



FCC SAR TEST REPORT

Report No: E5/2018/20024
Applicant: Huawei Technologies Co., Ltd.
Manufacturer: Huawei Technologies Co., Ltd.
Factory: Huawei Technologies Co., Ltd.
Product Name: Smart Phone
Model No.(EUT): EML-L09
Trade Mark: HUAWEI
FCC ID: QISEML-L09
Standards: FCC 47CFR §2.1093
Date of Receipt: 2018-01-06
Date of Test: 2018-01-06 to 2018-02-02
Date of Issue: 2018-02-23
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

Asst. Manager

Matt Kuo

John Yeh

Date: Feb.23 , 2018

Date: Feb.23 , 2018

REVISION HISTORY

Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2018-02-23		Original

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TEST SUMMARY

Frequency Band	Maximum Reported SAR(W/kg)		
	Head	Body-worn	Hotspot
GSM850	0.73	0.48	0.69
GSM1900	0.74	0.51	0.67
WCDMA Band II	0.67	0.72	0.70
WCDMA Band IV	0.57	0.54	0.81
WCDMA Band V	0.79	0.38	0.56
LTE Band 2	0.56	0.61	0.74
LTE Band 4	0.48	0.43	0.71
LTE Band 5	0.71	0.36	0.55
LTE Band 7	0.99	0.42	0.92
LTE Band 12	0.76	0.33	0.44
LTE Band 17	0.74	0.34	0.45
LTE Band 26	0.67	0.35	0.49
LTE Band 38	0.82	0.38	0.72
LTE Band 41	0.97	0.40	0.87
WI-FI (2.4GHz)	0.93	0.18	0.76
WI-FI (5GHz)	0.61	<0.10	<0.10
Bluetooth	0.39	<0.10	0.12
SAR Limited(W/kg)	1.6		
Maximum Simultaneous Transmission SAR (W/kg)			
Scenario	Head	Body-worn	Hotspot
Sum SAR	1.59	0.93	1.27
SPLSR	N/A	N/A	N/A
SPLSR Limited	0.04		

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1 General Information

1.1 Details of Client

Applicant:	Huawei Technologies Co., Ltd.
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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.
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1.3 General Description of EUT

Device Type :	portable device		
Exposure Category:	uncontrolled environment / general population		
Product Name:	Smart Phone		
Model No.(EUT):	EML-L09		
FCC ID:	QISEML-L09		
Trade Mark:	HUAWEI		
Product Phase:	production unit		
SN:	AEJ0117C11000176 / AEJ0117C11000179 / AEJ0117C11000172 / AEJ0117C11000170 / AEJ0117C11000264 / AEJ0117C11000249		
Hardware Version:	HL1EMILYM		
Software Version:	EML-L29 8.1.0.71(SP9C900)		
Antenna Type:	Inner Antenna		
Device Operating Configurations :			
Modulation Mode:	GSM:GMSK, 8PSK;WCDMA: QPSK;LTE:QPSK,16QAM,64QAM WIFI: DSSS,OFDM;BT: GFSK, $\pi/4$ DQPSK,8DPSK		
Device Class:	B		
GPRS Multi-slots Class:	12	EGPRS Multi-slots Class:	12
HSDPA UE Category:	14	HSUPA UE Category	6
DC-HSDPA UE Category:	24		
LTE Release	13		
Power Class	4,tested with power level 5(GSM850)		
	1,tested with power level 0(GSM1900)		
	3, tested with power control “all 1”(UMTS Band II/IV/V)		
	3, tested with power control Max Power(LTE Band 2/4/5/7/12/17/26/38/41)		
Frequency Bands:	Band	Tx (MHz)	Rx (MHz)
	GSM850	824 - 849	869 - 894
	GSM1900	1850-1910	1930-1990
	WCDMA Band V	824 - 849	869 - 894
	WCDMA Band IV	1710–1755	2110–2155
	WCDMA Band II	1850-1910	1930-1990
	LTE Band 2	1850-1910	1930-1990
	LTE Band 4	1710–1755	2110–2155
	LTE Band 5	824 - 849	869 - 894
	LTE Band 7	2500-2570	2620-2690
	LTE Band 12	699-716	729-746
	LTE Band 17	704-716	734-746
	LTE Band 26	814-849	859-894
	LTE Band 38	2570-2620	2570-2620
	LTE Band 41	2545-2655	2545-2655
	Bluetooth	2400-2483.5	2400-2483.5
	Wi-Fi 2.4G	2412-2462	2412-2462
	Wi-Fi 5G	5150-5350	5150-5350
		5470-5850	5470-5850
	NFC	13.56	13.56

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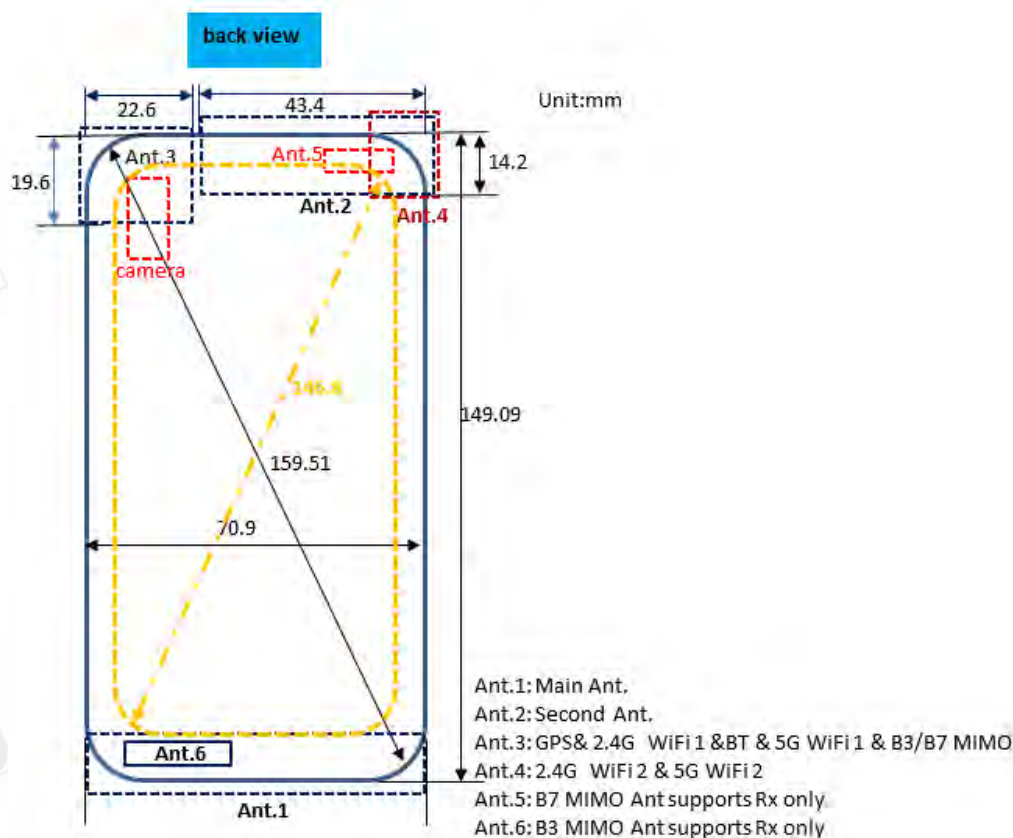
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Battery Information1#:	Model: HB396285ECW
	Rated capacity: 3320mAh
	Battery Type: Rechargeable Li-ion Battery
	Manufacturer: Sunwoda Electronic Co., LTD
Battery Information2#:	Model: HB396285ECW
	Rated capacity: 3320mAh
	Battery Type: Rechargeable Li-ion Battery
	Manufacturer: SCUD (FUJIAN) Electronics Co., Ltd
Battery Information3#:	Model: HB396285ECW
	Rated capacity: 3320mAh
	Battery Type: Rechargeable Li-ion Battery
	Manufacturer: Desay Battery Co., Ltd.
Headset Information1#:	Model: MEND1632B729000
	Manufacturer: JIANGXI LIANCHUANG HONGSHENG ELECTRONIC CO., LTD
Headset Information2#:	Model: 1331-3301-6001-TC-296
	Manufacturer: BOLUO COUNTY QUANCHENG ELECTRONIC CO., LTD
Headset Information3#:	Model: WINDY-C
	Manufacturer: Goer Tek Inc
Headset Information4#:	Model: L99EP003-CS-H
	Manufacturer: MERRY ELECTRONICS (SHENZHEN) CO., LTD.

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1.3.1 DUT Antenna Locations



The test device is a mobile phone. The display diagonal dimension is 146.8mm and the overall diagonal dimension of this device is 159.51mm.

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

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

Table 1 : EUT Sides for SAR Testing

Note:

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

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.

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: Summary 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.

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

Second antenna														
Power Reduction Scenario	GSM 850	GSM1 900	UMT S B2	UMT S B4	UMT S B5	LTE B2	LTE B4	LTE B5	LTE B7	LTE B12	LTE B17	LTE B26	LTE B38	LTE B41
Receiver on (left head)	4.5	4.0	4.0	2.0	4.0	3.5	1.0	4.0	3.0	2.5	3.5	4.5	2.0	2.5
Receiver on (right head)	4.0	4.5	5.0	3.5	4.0	5.5	3.5	4.0	4.0	3.0	3.0	4.0	3.0	3.0
Receiver off	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Receiver on (left head)+BT	6.5	6.0	6.0	4.0	6.0	5.5	3.0	6.0	5.0	4.5	5.5	6.5	4.0	4.5
Receiver on (right head)+BT	6.0	6.5	7.0	5.5	6.0	7.5	5.5	6.0	6.0	5.0	5.0	6.0	5.0	5.0
Receiver off+BT	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Receiver on (left head)+wifi 2.4G	7.5	7.0	7.0	5.0	7.0	6.5	4.0	7.0	6.0	5.5	6.5	7.5	5.0	5.5
Receiver on (right head)+wifi 2.4G	7.0	7.5	8.0	6.5	7.0	8.5	6.5	7.0	7.0	6.0	6.0	7.0	6.0	6.0
Receiver off+wifi 2.4G	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0

Receiver on (left head)+wifi 5G	9.5	9.0	9.0	7.0	9.0	8.5	6.0	9.0	8.0	7.5	8.5	9.5	7.0	7.5
Receiver on (right head)+wifi 5G	9.0	9.5	10.0	8.5	9.0	10.5	8.5	9.0	9.0	8.0	8.0	9.0	8.0	8.0
Receiver off+wifi 5G	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Receiver on (left head)+BT+wifi 5G	9.5	9.0	9.0	7.0	9.0	8.5	6.0	9.0	8.0	7.5	8.5	9.5	7.0	7.5
Receiver on (right head)+BT+wifi 5G	9.0	9.5	10.0	8.5	9.0	10.5	8.5	9.0	9.0	8.0	8.0	9.0	8.0	8.0
Receiver off+BT+wifi 5G	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Receiver on (left head)+wifi 2.4G+wifi 5G	7.5	7.0	7.0	5.0	7.0	6.5	4.0	7.0	6.0	5.5	6.5	7.5	5.0	5.5
Receiver on (right head)+wifi 2.4G+wifi 5G	7.0	7.5	8.0	6.5	7.0	8.5	6.5	7.0	7.0	6.0	6.0	7.0	6.0	6.0
Receiver off+wifi 2.4G+wifi 5G	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Receiver on (left head)+hotspot 2.4G	7.5	7.0	7.0	5.0	7.0	6.5	4.0	7.0	6.0	5.5	6.5	7.5	5.0	5.5
Receiver on (right head)+hotspot 2.4G	7.0	7.5	8.0	6.5	7.0	8.5	6.5	7.0	7.0	6.0	6.0	7.0	6.0	6.0
Receiver off+hotspot 2.4G	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Receiver on (left head)+hotspot 5G	9.5	9.0	9.0	7.0	9.0	8.5	6.0	9.0	8.0	7.5	8.5	9.5	7.0	7.5
Receiver on (right head)+hotspot 5G	9.0	9.5	10.0	8.5	9.0	10.5	8.5	9.0	9.0	8.0	8.0	9.0	8.0	8.0
Receiver off+hotspot 5G	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0

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Main antenna														
Power Reduction Scenario	GSM 850	GSM1 900	UMT S B2	UMT S B4	UMT S B5	LTE B2	LTE B4	LTE B5	LTE B7	LTE B12	LTE B17	LTE B26	LTE B38	LTE B41
Receiver on	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Receiver off	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
hotspot 2.4G	0.0	4.0	5.5	4.0	0.0	5.0	4.0	0.0	3.0	0.0	0.0	0.0	2.0	2.0
hotspot 5G	0.0	4.0	5.5	4.0	0.0	5.0	4.0	0.0	3.0	0.0	0.0	0.0	2.0	2.0
WiFi antenna														
Power Reduction Scenario	WiFi 2.4G Ant1	WiFi 5G Ant1	WiFi 2.4G Ant2	WiFi 5G Ant2										
wifi only-- Receiver on	4.5	5.0	0.0	0.0										
wifi only-- Receiver off	0.0	0.0	0.0	0.0										
wifi simultaneously -- Receiver on	4.5	5.0	0.0	0.0										
wifi simultaneously -- Receiver off	0.0	0.0	0.0	0.0										

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1.3.4 Downlink LTE CA additional specification

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

The possible downlink LTE CA combinations supported by this device are as below tables per 3GPP TS 36.101 V13.5.0 (2016-09). The conducted power measurement results of downlink LTE CA are provided in Section 7 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.

Intra-band contiguous CA operating bands

E-UTRA CA Band	E-UTRA Band	Uplink (UL) operating band			Downlink (DL) operating band			Duplex Mode
		BS receive / UE transmit			BS transmit / UE receive			
		F _{UL_low} – F _{UL_high}			F _{DL_low} – F _{DL_high}			
CA_2	2	1850 MHz	–	1910 MHz	1930 MHz	–	1990 MHz	FDD
CA_5	5	824 MHz		849 MHz	869 MHz		894 MHz	FDD
CA_7	7	2500 MHz	–	2570 MHz	2620 MHz	–	2690 MHz	FDD
CA_12	12	699 MHz		716 MHz	729 MHz		746 MHz	FDD
CA_38	38	2570 MHz	–	2620 MHz	2570 MHz	–	2620 MHz	TDD
CA_41	41	2545 MHz	–	2655 MHz	2545 MHz	–	2655 MHz	TDD

Test frequencies for CA_2C

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

Note 1: Carriers in increasing frequency order.

Test frequencies for CA 5B

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

Note 1: Carriers in increasing frequency order.

Test frequencies for CA 7C

Range	CC-Combo / NRB_agg [RB]	CC1 Note1					CC2 Note1				
		BW [RB]	N _{UL}	f _{UL} [MHz]	N _{DL}	f _{DL} [MHz]	BW [RB]	N _{UL}	f _{UL} [MHz]	N _{DL}	f _{DL} [MHz]
Low	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
Mid	100+100	100	20850	2510	2850	2630	100	21048	2529.8	3048	2649.8
		100	21006	2525.6	3006	2645.6	100	21150	2540	3150	2660
	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
High	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
		100	21206	2545.6	3206	2665.6	100	21350	2560	3350	2680
	50+100	50	21206	2545.6	3206	2665.6	100	21350	2560	3350	2680
	100+100	100	21251	2550.1	3251	2670.1	50	21395	2564.5	3395	2684.5
		100	21225	2547.5	3225	2667.5	75	21375	2562.5	3375	2682.5
	75+75	75	21225	2547.5	3225	2667.5	75	21375	2562.5	3375	2682.5
		75	21179	2542.9	3179	2662.9	100	21350	2560	3350	2680
	75+100	75	21179	2542.9	3179	2662.9	100	21350	2560	3350	2680
	100+100	100	21201	2545.1	3201	2665.1	75	21372	2562.2	3372	2682.2
		100	21152	2540.2	3152	2660.2	100	21350	2560	3350	2680

Note 1: Carriers in increasing frequency order.

Test frequencies for CA 12B

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

Note 1: Carriers in increasing frequency order.

Test frequencies for CA 38C

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

Note 1: Carriers in increasing frequency order.

Test frequencies for CA 41C

Range	CC-Combo / NRB_agg [RB]	CC1 Note1			CC2 Note1		
		BW [RB]	N _{UL/DL}	f _{UL/DL} [MHz]	BW [RB]	N _{UL/DL}	f _{UL/DL} [MHz]
Low	25+100	25	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
	25+100	25	40598	2590.8	100	40715	2602.5
		100	40665	2597.5	25	40782	2609.2
Mid	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
	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
High	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
	25+100	25	41023	2633.3	100	41140	2645
		100	41098	2640.8	25	41215	2652.5

Note 1: Carriers in increasing frequency order.

Test frequencies for CA_41D

Range	CC-Combo / NRB_agg [RB]	CC1 Note1			CC2 Note1			CC3 Note1		
		BW [RB]	N _{UL/DL}	f _{UL/DL} [MHz]	BW [RB]	N _{UL/DL}	f _{UL/DL} [MHz]	BW [RB]	N _{UL/DL}	f _{UL/DL} [MHz]
Low	50+75+100	50	40195	2550.5	75	40315	2562.5	100	40486	2579.6
		50	40195	2550.5	100	40339	2564.9	75	40510	2582.0
		75	40218	2552.8	50	40338	2564.8	100	40482	2579.2
		75	40218	2552.8	100	40389	2569.9	50	40533	2584.3
		100	40240	2555	50	40384	2569.4	75	40504	2581.4
		100	40340	2565	75	40511	2582.1	50	40631	2594.1
	50+100+100	50	40195	2550.5	100	40339	2564.9	100	40537	2584.7
		100	40240	2555	50	40384	2569.4	100	40528	2583.8
		100	40240	2555	100	40438	2574.8	50	40582	2589.2
	75+75+100	75	40218	2552.8	75	40368	2567.8	100	40539	2584.9
		75	40218	2552.8	100	40389	2569.9	75	40560	2587.0
		100	40240	2555	75	40411	2572.1	75	40561	2587.1
	75+100+100	75	40218	2552.8	100	40389	2569.9	100	40587	2589.7
		100	40240	2555	75	40411	2572.1	100	40582	2589.2
		100	40240	2555	100	40438	2574.8	75	40609	2591.9
	100+100+100	100	40340	2565	100	40538	2584.8	100	40736	2604.6
Mid	50+75+100	50	40522	2583.2	75	40642	2595.2	100	40813	2612.3
		50	40521	2583.1	100	40665	2597.5	75	40836	2614.6
		75	40547	2585.7	50	40667	2597.7	100	40811	2612.1
		75	40544	2585.4	100	40715	2602.5	50	40859	2616.9
		100	40569	2587.9	50	40713	2602.3	75	40833	2614.3
		100	40567	2587.7	75	40738	2604.8	50	40858	2616.8
	50+100+100	50	40497	2580.7	100	40641	2595.1	100	40839	2614.9
		100	40546	2585.6	50	40690	2600	100	40834	2614.4
		100	40542	2585.2	100	40740	2605	50	40894	2619.4
	75+75+100	75	40518	2582.8	75	40668	2597.8	100	40839	2614.9
		75	40519	2582.9	100	40690	2600	75	40861	2617.1
		100	40541	2585.1	75	40712	2602.2	75	40862	2617.2
	75+100+100	75	40494	2580.4	100	40665	2597.5	100	40863	2617.3
		100	40519	2582.9	75	40690	2600	100	40861	2617.1
		100	40517	2582.7	100	40715	2602.5	75	40886	2619.6
	100+100+100	100	40492	2580.2	100	40690	2600	100	40888	2619.8

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		50	40847	2615.7	100	40991	2630.1	75	41162	2647.2
		75	40876	2618.6	50	40996	2630.6	100	41140	2645
		75	40870	2618.0	100	41041	2635.1	50	41185	2649.5
		100	40898	2620.8	50	41042	2635.2	75	41162	2647.2
		100	40894	2620.4	75	41065	2637.5	50	41185	2649.5
	50+100+100	50	40798	2610.8	100	40942	2625.2	100	41140	2645
		100	40852	2616.2	50	40996	2630.6	100	41140	2645
		100	40843	2615.3	100	41041	2635.1	50	41185	2649.5
	75+75+100	75	40819	2612.9	75	40969	2627.9	100	41140	2645
		75	40820	2613.0	100	40991	2630.1	75	41162	2647.2
		100	40841	2615.1	75	41012	2632.2	75	41162	2647.2
	75+100+100	75	40771	2608.1	100	40942	2625.2	100	41140	2645
		100	40798	2610.8	75	40969	2627.9	100	41140	2645
		100	40793	2610.3	100	40991	2630.1	75	41162	2647.2
	100+100+100	100	40744	2605.4	100	40942	2625.2	100	41140	2645

Note 1: Carriers in increasing frequency order.

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non-contiguous intra-band CA

E-UTRA CA Band	E-UTRA Band	Uplink (UL) operating band			Downlink (DL) operating band			Duplex Mode
		BS receive / UE transmit			BS transmit / UE receive			
		F _{UL_low} – F _{UL_high}			F _{DL_low} – F _{DL_high}			
CA 41-41	41	2496 MHz	–	2690 MHz	2496 MHz	–	2690 MHz	TDD

E-UTRA CA configuration / Bandwidth combination set							
E-UTRA CA configuration	Uplink CA configurations (NOTE 1)	Component carriers in order of increasing carrier frequency			Maximum aggregated bandwidth [MHz]	Bandwidth combination set	uplink CA capability
		Channel bandwidths for carrier [MHz]	Channel bandwidths for carrier [MHz]	Channel bandwidths for carrier [MHz]			
CA_7A-7A	-	5	15		40	0	NO
		10	10, 15				
		15	15, 20				
		20	20				
		5, 10, 15, 20	5, 10, 15, 20				
CA_41A-41A	-	10, 15, 20	10, 15, 20		40	0	No
		5, 10, 15, 20	5, 10, 15, 20		40	1	No
CA_41A-41C	-	5, 10, 15, 20	See CA_41C Bandwidth Combination Set 1 in Table 5.4.2A.1-1		60	0	No
CA_41C-41A	-	See CA_41C Bandwidth Combination Set 1 in Table 5.4.2A.1-1		5, 10, 15, 20	60	0	No

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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 _{UL} [MHz]	N _{DL}	f _{DL} [MHz]		BW [RB]	N _{UL}	f _{UL} [MHz]	N _{DL}	f _{DL} [MHz]
Max WGap	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
	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
Refsens ²	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
	100+100	100	21000	2525	3000	2645	15	100	21350	2560	3350	2680
	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.												
Note 2: Test point derived with regard to REFSSENS requirements.												

Test frequencies for CA_41A-41A

Test Frequency ID	CC-Combo / NRB_agg [RB]	CC1 Note1			Wgap [MHz]	CC2 Note1		
		BW [RB]	N _{UL/DL}	f _{UL/DL} [MHz]		BW [RB]	N _{UL/DL}	f _{UL/DL} [MHz]
Max WGap	25+25	25	39675	2498.5	184	25	41565	2687.5
	25+50	25	39675	2498.5	179	50	41540	2685
		50	39700	2501	179	25	41565	2687.5
	25+75	25	39675	2498.5	174	75	41515	2682.5
		75	39725	2503.5	174	25	41565	2687.5
	50+50	50	39700	2501	174	50	41540	2685
	25+100	25	39675	2498.5	169	100	41490	2680
		100	39750	2506	169	25	41565	2687.5
	50+75	50	39700	2501	169	75	41515	2682.5
		75	39725	2503.5	169	50	41540	2685
	50+100	50	39700	2501	164	100	41490	2680
		100	39750	2506	164	50	41540	2685
	75+75	75	39725	2503.5	164	75	41515	2682.5
	75+100	75	39725	2503.5	159	100	41490	2680
		100	39750	2506	159	75	41515	2682.5
	100+100	100	39750	2506	154	100	41490	2680

Note 1: Carriers in increasing frequency order.

Test frequencies for CA_41C-41A

Test Frequency ID	CC-Combo / NRB_agg [RB]	CC1 Note1			CC2 Note1			Wgap [MHz]	CC3 Note1		
		BW [RB]	N _{UL/DL}	f _{UL/DL} [MHz]	BW [RB]	N _{UL/DL}	f _{UL/DL} [MHz]		BW [RB]	N _{UL/DL}	f _{UL/DL} [MHz]
Max WGap	25+25+100	25	39683	2499.3	100	39800	2511	164	25	41565	2687.5
		100	39750	2506	25	39867	2517.7	164.05	25	41565	2687.5
	25+50+100	25	39683	2499.3	100	39800	2511	159	50	41540	2685
		50	39705	2501.5	100	39849	2515.9	159.1	25	41565	2687.5
		100	39750	2506	25	39867	2517.7	159.05	50	41540	2685
		100	39750	2506	50	39894	2520.4	159.1	25	41565	2687.5
	25+75+75	75	39725	2503.5	75	39875	2518.5	159	25	41565	2687.5
	25+75+100	25	39683	2499.3	100	39800	2511	154	75	41515	2682.5
		75	39728	2503.8	100	39899	2520.9	154.1	25	41565	2687.5
		100	39750	2506	25	39867	2517.7	154.05	75	41515	2682.5
		100	39750	2506	75	39921	2523.1	154.15	25	41565	2687.5
	50+50+100	50	39705	2501.5	100	39849	2515.9	154.1	50	41540	2685
		100	39750	2506	50	39894	2520.4	154.1	50	41540	2685
	50+75+75	75	39725	2503.5	75	39875	2518.5	154	50	41540	2685
	25+100+100	25	39683	2499.3	100	39800	2511	149	100	41490	2680
		100	39750	2506	25	39867	2517.7	149.05	100	41490	2680
		100	39750	2506	100	39948	2525.8	149.2	25	41565	2687.5
	50+75+100	50	39705	2501.5	100	39849	2515.9	149.1	75	41515	2682.5
		75	39728	2503.8	100	39899	2520.9	149.1	50	41540	2685
		100	39750	2506	50	39894	2520.4	149.1	75	41515	2682.5
		100	39750	2506	75	39921	2523.1	149.15	50	41540	2685
	75+75+75	75	39725	2503.5	75	39875	2518.5	149	75	41515	2682.5
	50+100+100	50	39705	2501.5	100	39849	2515.9	144.1	100	41490	2680
		100	39750	2506	50	39894	2520.4	144.1	100	41490	2680
		100	39750	2506	100	39948	2525.8	144.2	50	41540	2685
	75+75+100	75	39725	2503.5	75	39875	2518.5	144	100	41490	2680
		75	39728	2503.8	100	39899	2520.9	144.1	75	41515	2682.5
		100	39750	2506	75	39921	2523.1	144.15	75	41515	2682.5
	75+100+100	75	39728	2503.8	100	39899	2520.9	139.1	100	41490	2680
		100	39750	2506	75	39921	2523.1	139.15	100	41490	2680
		100	39750	2506	100	39948	2525.8	139.2	75	41515	2682.5
	100+100+100	100	39750	2506	100	39948	2525.8	134.2	100	41490	2680

Note 1: Carriers in increasing frequency order.

Test frequencies for CA_41A-41C

Test Frequency ID	CC-Combo / NRB_agg [RB]	CC1 Note1			Wgap [MHz]	CC2 Note1			CC3 Note1		
		BW [RB]	N _{UL/DL}	f _{UL/DL} [MHz]		BW [RB]	N _{UL/DL}	f _{UL/DL} [MHz]	BW [RB]	N _{UL/DL}	f _{UL/DL} [MHz]
Max WGap	25+25+100	25	39675	2498.5	164.05	25	41373	2668.3	100	41490	2680
		25	39675	2498.5	164	100	41440	2675	25	41557	2686.7
	25+50+100	25	39675	2498.5	159.1	50	41346	2665.6	100	41490	2680
		25	39675	2498.5	159.1	100	41391	2670.1	50	41535	2684.5
		50	39700	2501	159.05	25	41373	2668.3	100	41490	2680
		50	39700	2501	159	100	41440	2675	25	41557	2686.7
	25+75+75	25	39675	2498.5	159	75	41365	2667.5	75	41515	2682.5
	25+75+100	25	39675	2498.5	154.15	75	41319	2662.9	100	41490	2680
		25	39675	2498.5	154.1	100	41341	2665.1	75	41512	2682.2
		75	39725	2503.5	154.05	25	41373	2668.3	100	41490	2680
		75	39725	2503.5	154	100	41440	2675	25	41557	2686.7
	50+50+100	50	39700	2501	154.1	50	41346	2665.6	100	41490	2680
		50	39700	2501	154.1	100	41391	2670.1	50	41535	2684.5
	25+100+100	25	39675	2498.5	149.2	100	41292	2660.2	100	41490	2680
		100	39750	2506	149.05	25	41373	2668.3	100	41490	2680
		100	39750	2506	149	100	41440	2675	25	41557	2686.7
	50+75+75	50	39700	2501	154	75	41365	2667.5	75	41515	2682.5
	50+75+100	50	39700	2501	149.15	75	41319	2662.9	100	41490	2680
		50	39700	2501	149.1	100	41341	2665.1	75	41512	2682.2
		75	39725	2503.5	149.1	50	41346	2665.6	100	41490	2680
		75	39725	2503.5	149.1	100	41391	2670.1	50	41535	2684.5
	75+75+75	75	39725	2503.5	149	75	41365	2667.5	75	41515	2682.5
	50+100+100	50	39700	2501	144.2	100	41292	2660.2	100	41490	2680
		100	39750	2506	144.1	50	41346	2665.6	100	41490	2680
		100	39750	2506	144.1	100	41391	2670.1	50	41535	2684.5
	75+75+100	75	39725	2503.5	144.15	75	41319	2662.9	100	41490	2680
		75	39725	2503.5	144.1	100	41341	2665.1	75	41512	2682.2
		100	39750	2506	144	75	41365	2667.5	75	41515	2682.5
	75+100+100	75	39725	2503.5	139.2	100	41292	2660.2	100	41490	2680
		100	39750	2506	139.15	75	41319	2662.9	100	41490	2680
		100	39750	2506	139.1	100	41341	2665.1	75	41512	2682.2
	100+100+100	100	39750	2506	134.2	100	41292	2660.2	100	41490	2680

Note 1: Carriers in increasing frequency order.

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
CA_2A-5A	2			Yes	Yes	Yes	Yes	30	0
	5			Yes	Yes				
	2			Yes	Yes			20	1
	5			Yes	Yes				
CA_2A-12A	2			Yes	Yes	Yes	Yes	30	0
	12			Yes	Yes				
	2			Yes	Yes	Yes	Yes	30	1
	12		Yes	Yes	Yes			20	2
CA_2A-12B	2			Yes	Yes	Yes	Yes	35	0
	12	See CA_12B Bandwidth Combination Set 0 in table 5.4.2A.1-1							
	2			Yes	Yes			20	0
	17			Yes	Yes				
CA_4A-5A	28			Yes	Yes	Yes	Yes		
	4			Yes	Yes	Yes	Yes	20	0
	5			Yes	Yes				
	4			Yes	Yes	Yes	Yes	30	1
CA_4A-12A	5			Yes	Yes				
	4	Yes	Yes	Yes	Yes			20	0
	12			Yes	Yes				
	4	Yes	Yes	Yes	Yes	Yes	Yes	30	1
	12			Yes	Yes				
	4			Yes	Yes	Yes	Yes	30	2
	12		Yes	Yes	Yes			20	3
	4			Yes	Yes				
	12			Yes	Yes	Yes	Yes	30	4
	4			Yes	Yes				
	12			Yes	Yes	Yes	Yes	20	5
	4			Yes	Yes				
CA_4A-12B	4			Yes	Yes	Yes	Yes	35	0
	12	See CA_12B Bandwidth Combination Set 0 in Table 5.4.2A.1-1							
CA_4A-17A	4			Yes	Yes			20	0
	17			Yes	Yes				
CA_4A-7A	4			Yes	Yes			30	0
	7			Yes	Yes	Yes	Yes		
	4			Yes	Yes	Yes	Yes	40	0
	7			Yes	Yes	Yes	Yes		
	40			Yes	Yes	Yes	Yes		
	5		Yes	Yes	Yes			30	1
CA_5A-7A	40			Yes	Yes	Yes	Yes		
	5	Yes	Yes	Yes	Yes			30	0
	7				Yes	Yes	Yes		
	5			Yes	Yes			30	1
CA_7A-12A	7				Yes	Yes	Yes		
	7				Yes	Yes	Yes	30	0
	12			Yes	Yes				

Note:

- For the inter-band CA combinations, Except CA_4A-12A, CA_4A-12B, CA_4A-17A, B12/B17 cannot be PCC, other the listed bands above can be used as PCC or SCC.
- 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).
- The reference test frequencies for CA refers to 3GPP TS 36.508 V13.1.0

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 Procedures v03r01	3G SAR Measurement Procedures
KDB 941225 D05 SAR for LTE Devices v02r05	SAR EVALUATION CONSIDERATIONS FOR LTE DEVICES
KDB 941225 D05A LTE Rel.10 KDB Inquiry Sheet v01r02	Rel. 10 LTE SAR Test Guidance and KDB Inquiries
KDB 248227 D01 802.11 Wi-Fi SAR v02r02	SAR GUIDANCE FOR IEEE 802.11 (Wi-Fi) TRANSMITTERS
KDB 941225 D06 Hotspot Mode SAR v02r01	SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities
KDB 648474 D04 Handset SAR v01r03	SAR Evaluation Considerations for Wireless Handsets
KDB447498 D01 General RF Exposure Guidance v06	Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies
KDB447498 D03 Supplement C Cross-Reference v01	OET Bulletin 65, Supplement C Cross-Reference
KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04	SAR Measurement Requirements for 100 MHz to 6 GHz
KDB 865664 D02 RF Exposure Reporting v01r02	RF Exposure Compliance Reporting and Documentation Considerations

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1.5 RF exposure limits

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

Notes:

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

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

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

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

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

2 Laboratory Environment

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

Table 2 : The Ambient Conditions

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3 SAR Measurements System Configuration

3.1 The SAR Measurement System

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

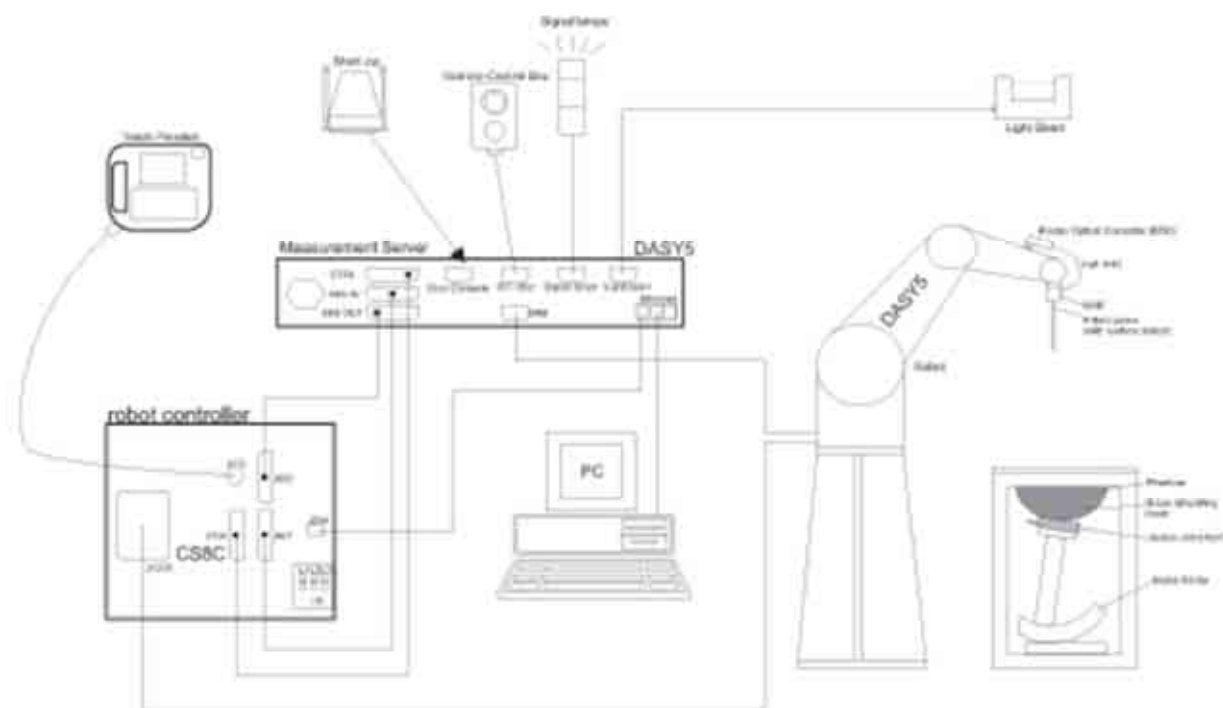
The DASY5 system for performing compliance tests consists of the following items:

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: ± 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

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.

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.

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 $\epsilon=3$ and loss tangent $\delta=0.02$. 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.

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 ($f \leq 2\text{GHz}$), 30mm*30mm*30mm (f for 2-3GHz) and 24mm*24mm*22mm (f for 5-6GHz) was assessed by measuring 5x5x7 points ($f \leq 2\text{GHz}$), 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.

			$\leq 3 \text{ GHz}$	$\geq 3 \text{ GHz}$
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface			$5 \pm 1 \text{ mm}$	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5 \text{ mm}$
Maximum probe angle from probe axis to phantom surface normal at the measurement location			$30^\circ \pm 1^\circ$	$20^\circ \pm 1^\circ$
Maximum area scan spatial resolution: Δx_{Area} , Δy_{Area}			$\leq 2 \text{ GHz: } \leq 15 \text{ mm}$ $2 - 3 \text{ GHz: } \leq 12 \text{ mm}$	$3 - 4 \text{ GHz: } \leq 12 \text{ mm}$ $4 - 6 \text{ GHz: } \leq 10 \text{ mm}$
			When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be $\leq$ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	
Maximum zoom scan spatial resolution: Δx_{Zoom} , Δy_{Zoom}			$\leq 2 \text{ GHz: } \leq 8 \text{ mm}$ $2 - 3 \text{ GHz: } \leq 5 \text{ mm}^*$	$3 - 4 \text{ GHz: } \leq 5 \text{ mm}^*$ $4 - 6 \text{ GHz: } \leq 4 \text{ mm}^*$
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{Zoom}(n)$		$\leq 5 \text{ mm}$	$3 - 4 \text{ GHz: } \leq 4 \text{ mm}$ $4 - 5 \text{ GHz: } \leq 3 \text{ mm}$ $5 - 6 \text{ GHz: } \leq 2 \text{ mm}$
	graded grid	$\Delta z_{Zoom}(1)$: between 1" two points closest to phantom surface	$\leq 4 \text{ mm}$	$3 - 4 \text{ GHz: } \leq 3 \text{ mm}$ $4 - 5 \text{ GHz: } \leq 2.5 \text{ mm}$ $5 - 6 \text{ GHz: } \leq 2 \text{ mm}$
		$\Delta z_{Zoom}(n>1)$: between subsequent points	$\leq 1.5 \cdot \Delta z_{Zoom}(n-1)$	
Minimum zoom scan volume	x, y, z		$\geq 30 \text{ mm}$	$3 - 4 \text{ GHz: } \geq 28 \text{ mm}$ $4 - 5 \text{ GHz: } \geq 25 \text{ mm}$ $5 - 6 \text{ GHz: } \geq 22 \text{ mm}$

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. $\pm 5 \%$

3.7.2 Data Storage

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

3.7.3 Data Evaluation by SEMCAD

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

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

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

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

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

The formula for each channel can be given as:

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

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

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

cf = crest factor of exciting field (DASY parameter)

dcpi = diode compression point (DASY parameter)

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

E-field probes:

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

H-field probes:

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

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

Norm_i = sensor sensitivity of channel i ($i = x, y, z$)

[mV/(V/m)²] for E-field Probes

ConvF = sensitivity enhancement in solution

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

f = carrier frequency [GHz]

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

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

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

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

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

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

with SAR = local specific absorption rate in mW/g

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

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

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.

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

with P_{pwe} = equivalent power density of a plane wave in mW/cm²

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

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

4 SAR measurement variability and uncertainty

4.1 SAR measurement variability

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

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

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

3) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg ($\sim 10\%$ 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.

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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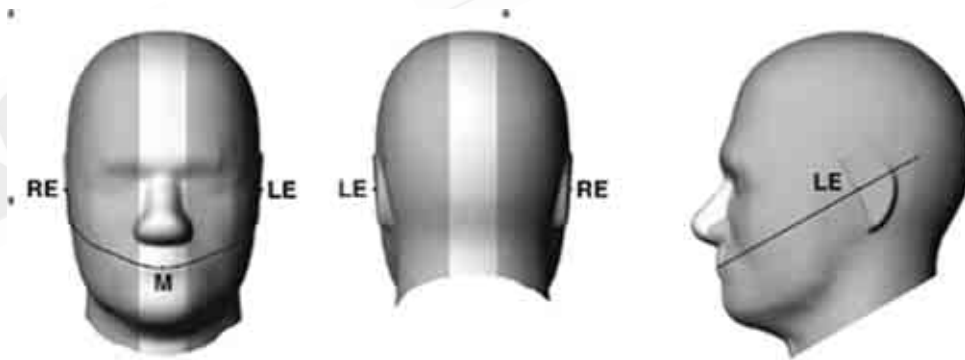
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5 Description of Test Position

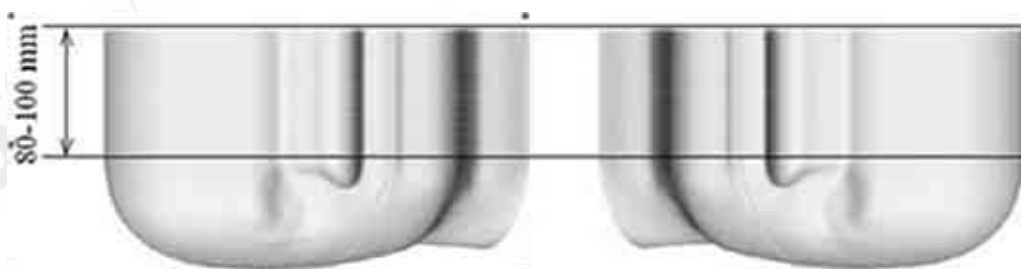
5.1 Head Exposure Condition

5.1.1 SAM Phantom Shape

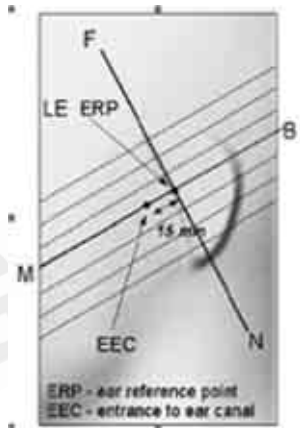


F-3. Front, back, and side views of SAM (model for the phantom shell). Full-head model is for illustration purposes only-procedures in this recommended practice are intended primarily for the phantom setup.

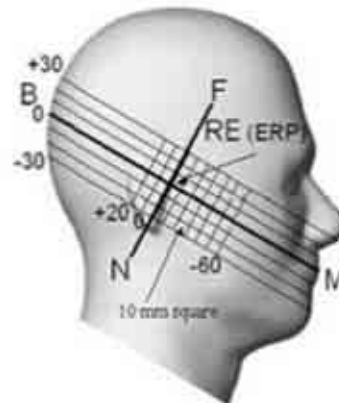
Note: The centre strip including the nose region has a different thickness tolerance.



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

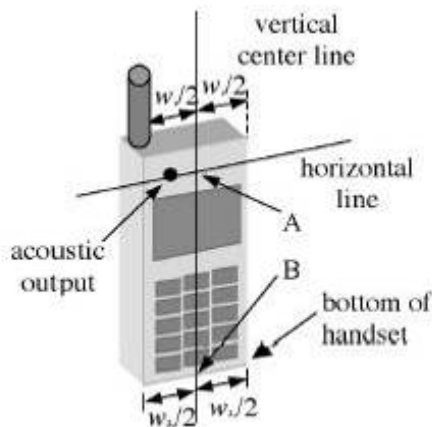


F-5. Close-up side view of phantom, showing the ear region, N-F and B-M lines, and seven cross-sectional plane locations

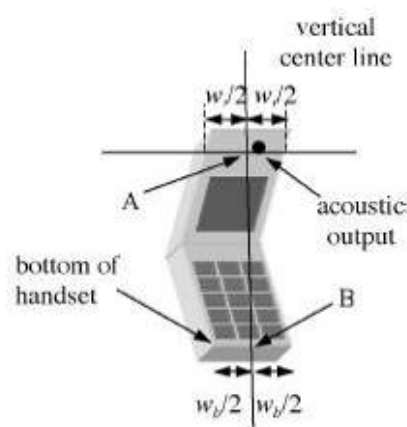


F-6. Side view of the phantom showing relevant markings and seven cross-sectional plane locations

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"

5.1.3 Definition of the “cheek” position

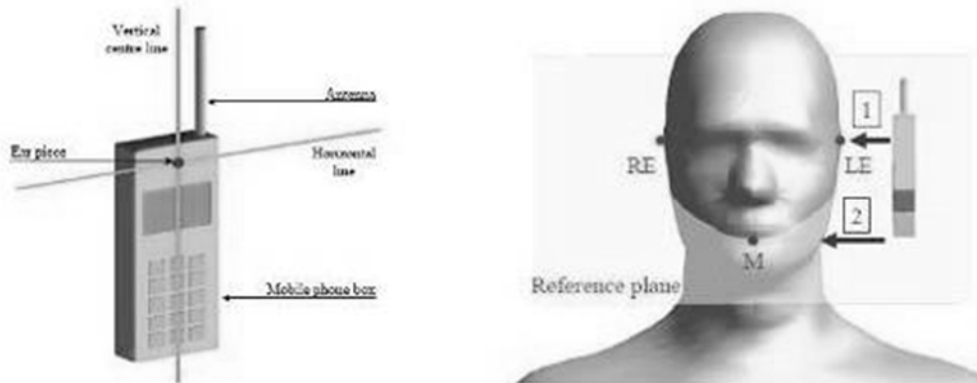
- a) Position the device with the vertical centre line of the body of the device and the horizontal line crossing the centre of the ear piece in a plane parallel to the sagittal plane of the phantom ("initial position"). While maintaining the device in this plane, align the vertical centre line with 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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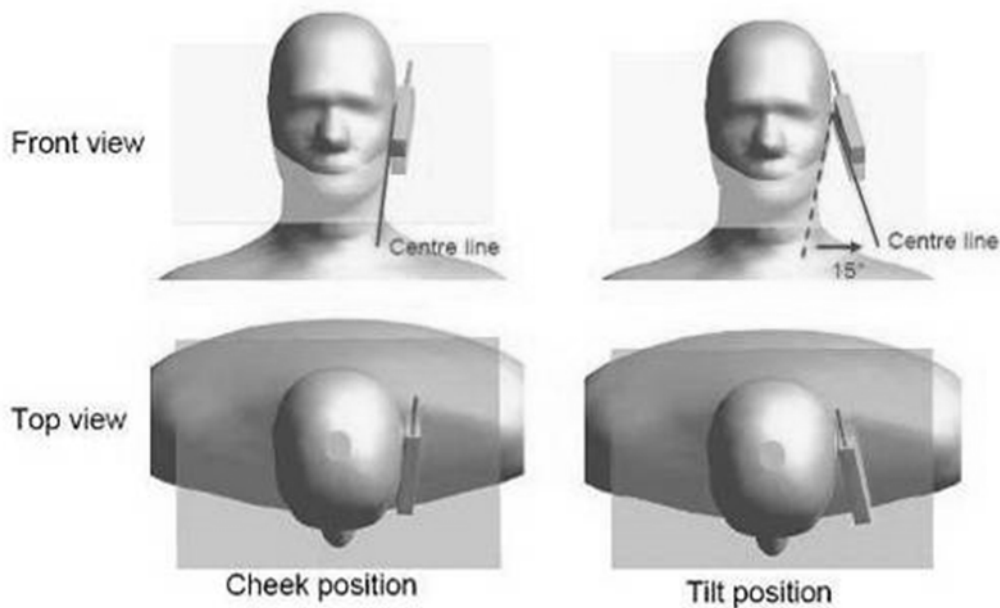
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5.1.4 Definition of the “tilted” position

- Position the device in the “cheek” position described above;
- 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

5.2 Body Exposure Condition

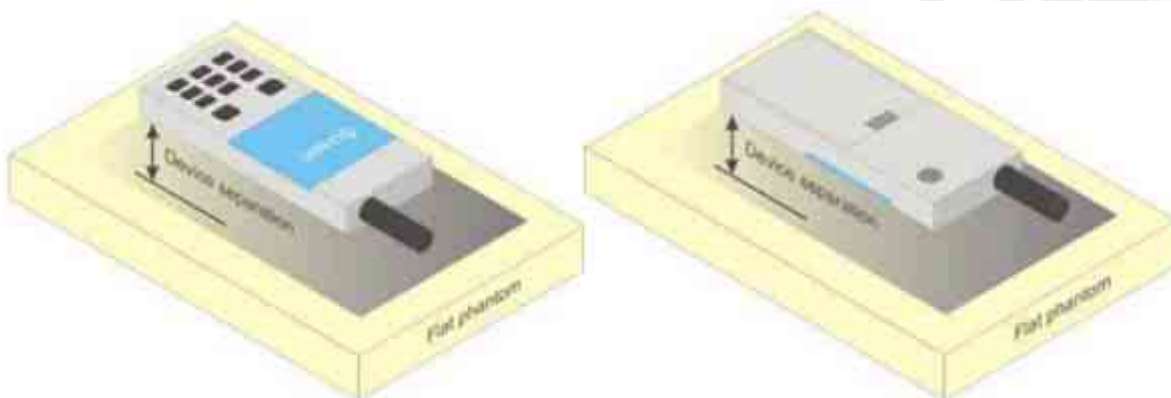
5.2.1 Body-worn accessory exposure conditions

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

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

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

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



F-11. Test positions for body-worn devices

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5.2.2 Wireless Router exposure conditions

Some battery-operated handsets have the capability to transmit and receive user data through simultaneous transmission of WIFI simultaneously with a separate licensed transmitter. The FCC has provided guidance in FCC KDB Publication 941225 D06 where SAR test considerations for handsets ($L \times W \geq 9 \text{ cm} \times 5 \text{ cm}$) 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.

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6 SAR System Verification Procedure

6.1 Tissue Simulate Liquid

6.1.1 Recipes for Tissue Simulate Liquid

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

Ingredients (% by weight)	Frequency (MHz)							
	450		835		1800-2000		2300-2700	
Tissue Type	Head	Body	Head	Body	Head	Body	Head	Body
Water	38.56	51.16	40.30	50.75	55.24	70.17	55.00	68.53
Salt (NaCl)	3.95	1.49	1.38	0.94	0.31	0.39	0.2	0.1
Sucrose	56.32	46.78	57.90	48.21	0	0	0	0
HEC	0.98	0.52	0.24	0	0	0	0	0
Bactericide	0.19	0.05	0.18	0.10	0	0	0	0
Tween	0	0	0	0	44.45	29.44	44.80	31.37
Salt: 99+% Pure Sodium Chloride Water: De-ionized, 16 MΩ ⁺ resistivity Tween: Polyoxyethylene (20) sorbitan monolaurate								
Sucrose: 98+% Pure Sucrose HEC: Hydroxyethyl Cellulose								
HSL5GHz is composed of the following ingredients : Water : 50-65% Mineral oil : 10-30% Emulsifiers : 8-25% Sodium salt : 0-1.5%								
MSL5GHz is composed of the following ingredients : Water : 64-78% Mineral oil : 11-18% Emulsifiers : 9-15% Sodium salt : 2-3%								

Table 3 : Recipe of Tissue Simulate Liquid

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 $22 \pm 2^\circ\text{C}$.

Tissue Type	Measured Frequency (MHz)	Target Tissue ($\pm 5\%$)		Measured Tissue		Liquid Temp. ($^\circ\text{C}$)	Measured Date
		ϵ_r	$\sigma(\text{S/m})$	ϵ_r	$\sigma(\text{S/m})$		
750 Head	750	41.9 (39.81~44)	0.89 (0.85~0.94)	43.027	0.878	22.1	2018/1/12
750 Head	750	41.9 (39.81~44)	0.89 (0.85~0.94)	43.068	0.873	22.1	2018/1/13
750 Body	750	55.5 (52.73~58.28)	0.96 (0.91~1.00)	55.223	0.955	22.1	2018/1/8
750 Body	750	55.5 (52.73~58.28)	0.96 (0.91~1.00)	55.821	0.943	22.1	2018/1/26
835 Head	835	41.5 (39.43~43.58)	0.90 (0.86~0.95)	40.849	0.886	22.1	2018/1/11
835 Head	835	41.5 (39.43~43.58)	0.90 (0.86~0.95)	40.83	0.887	22.1	2018/1/14
835 Body	835	55.2 (52.44~57.96)	0.97 (0.92~1.02)	56.261	1	22.1	2018/1/6
835 Body	835	55.2 (52.44~57.96)	0.97 (0.92~1.02)	53.955	0.98	22.1	2018/1/7
835 Body	835	55.2 (52.44~57.96)	0.97 (0.92~1.02)	53.807	0.985	22.1	2018/1/25
835 Body	835	55.2 (52.44~57.96)	0.97 (0.92~1.02)	56.316	0.992	22.1	2018/1/27
1750 Head	1750	40.1 (38.10~42.11)	1.37 (1.30~1.44)	40.794	1.33	22.2	2018/1/9
1750 Head	1750	40.1 (38.10~42.11)	1.37 (1.30~1.44)	40.413	1.318	22.2	2018/1/24
1750 Body	1750	53.4 (50.73~56.07)	1.49 (1.42~1.56)	52.159	1.493	22.2	2018/1/10
1750 Body	1750	53.4 (50.73~56.07)	1.49 (1.42~1.56)	52.203	1.493	22.2	2018/1/30
1900 Head	1900	40.0 (38.00~42.00)	1.40 (1.33~1.47)	41.79	1.413	22.3	2018/1/8
1900 Head	1900	40.0 (38.00~42.00)	1.40 (1.33~1.47)	40.029	1.362	22.3	2018/1/23
1900 Body	1900	53.3 (50.64~55.97)	1.52 (1.44~1.60)	53.84	1.514	22.3	2018/1/7
1900 Body	1900	53.3 (50.64~55.97)	1.52 (1.44~1.60)	52.421	1.519	22.3	2018/1/28
1900 Body	1900	53.3 (50.64~55.97)	1.52 (1.44~1.60)	53.897	1.523	22.3	2018/1/29
2300 Head	2300	39.5 (37.53~41.48)	1.67 (1.59~1.75)	40.475	1.645	22.0	2018/1/12

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2300 Head	2300	39.5 (37.53~41.48)	1.67 (1.59~1.75)	40.496	1.639	22.0	2018/1/15
2300 Body	2300	52.9 (50.26~55.55)	1.81 (1.72~1.90)	53.148	1.775	22.0	2018/1/10
2300 Body	2300	52.9 (50.26~55.55)	1.81 (1.72~1.90)	51.259	1.746	22.0	2018/1/17
2450 Head	2450	39.20 (37.24~41.16)	1.80 (1.71~1.89)	39.901	1.826	22	2018/1/22
2450 Head	2450	39.20 (37.24~41.16)	1.80 (1.71~1.89)	39.924	1.819	22	2018/1/24
2450 Body	2450	52.70 (50.07~55.34)	1.95 (1.85~2.05)	52.683	1.969	22	2018/1/22
2450 Body	2450	52.70 (50.07~55.34)	1.95 (1.85~2.05)	52.708	1.97	22	2018/1/23
2600 Head	2600	39.0 (37.05~40.95)	1.96 (1.86~2.06)	39.388	2	22.1	2018/1/11
2600 Head	2600	39.0 (37.05~40.95)	1.96 (1.86~2.06)	39.429	1.994	22.1	2018/1/16
2600 Body	2600	52.50 (49.88~55.13)	2.16 (2.05~2.27)	50.306	2.115	22.1	2018/1/9
2600 Body	2600	52.50 (49.88~55.13)	2.16 (2.05~2.27)	50.335	2.127	22.2	2018/1/10
2600 Body	2600	52.50 (49.88~55.13)	2.16 (2.05~2.27)	52.093	2.158	22.2	2018/1/18
2600 Body	2600	52.50 (49.88~55.13)	2.16 (2.05~2.27)	52.234	2.161	22.2	2018/1/19
2600 Body	2600	52.50 (49.88~55.13)	2.16 (2.05~2.27)	52.248	2.162	22.2	2018/1/20
5250 Head	5250	35.9 (34.11~37.70)	4.71 (4.47~4.95)	36.011	4.767	22.2	2018/1/31
5250 Body	5250	48.9 (46.46~51.35)	5.36 (5.09~5.63)	48.118	5.421	22.2	2018/2/1
5250 Body	5250	48.9 (46.46~51.35)	5.36 (5.09~5.63)	48.002	5.377	22.2	2018/2/2
5600 Head	5600	35.5 (33.73~37.28)	5.07 (4.82~5.32)	35.059	5.157	22.2	2018/1/31
5600 Body	5600	48.5 (46.08~50.93)	5.77 (5.48~6.06)	47.152	5.842	22.2	2018/2/1
5600 Body	5600	48.5 (46.08~50.93)	5.77 (5.48~6.06)	47.027	5.821	22.2	2018/2/2
5750 Head	5750	35.4 (33.63~37.17)	5.22 (4.96~5.48)	34.695	5.329	22.2	2018/1/31
5750 Body	5750	48.3 (45.89~50.72)	5.94 (5.64~6.24)	46.833	6.009	22.2	2018/2/1
5750 Body	5750	48.3 (45.89~50.72)	5.94 (5.64~6.24)	46.742	5.978	22.2	2018/2/2

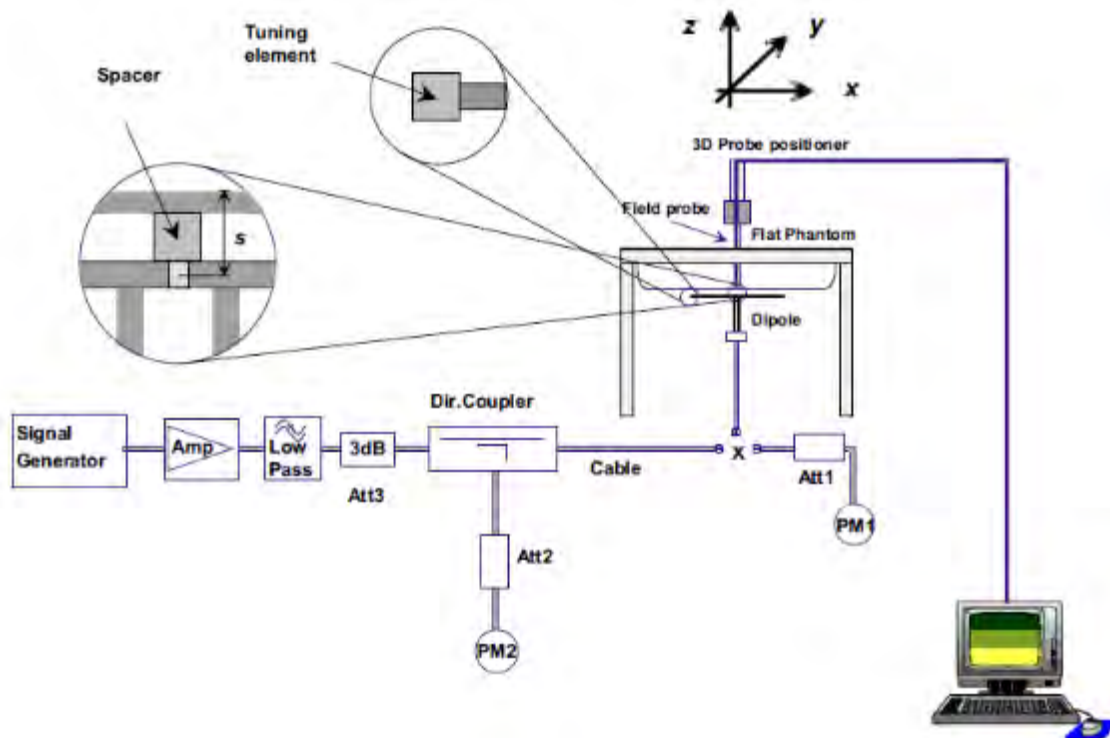
Table 4 : Measurement result of Tissue electric parameters

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6.2 SAR System Check

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



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

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.

6.2.2 Summary System Check Result(s)

Validation Kit		Measured SAR 250mW	Measured SAR 250mW	Measured SAR (normalized to 1w)	Measured SAR (normalized to 1w)	Target SAR (normalized to 1w) (±10%)	Target SAR (normalized to 1w) (±10%)	Liquid Temp. (°C)	Measured Date
		1g (W/kg)	10g (W/kg)	1g (W/kg)	10g (W/kg)	1-g(W/kg)	10-g(W/kg)		
D750V2	Head	1.95	1.29	7.8	5.16	8.17 (7.35~8.99)	5.36 (4.82~5.9)	22.1	2018/1/12
	Head	1.94	1.28	7.76	5.12	8.17 (7.35~8.99)	5.36 (4.82~5.9)	22.1	2018/1/13
	Body	2.11	1.41	8.44	5.64	8.57 (7.71~9.43)	5.66 (5.09~6.23)	22.1	2018/1/8
	Body	2.09	1.39	8.36	5.56	8.57 (7.71~9.43)	5.66 (5.09~6.23)	22.1	2018/1/26
D835V2	Head	2.43	1.58	9.72	6.32	9.59 (8.63~10.55)	6.29 (5.66~6.92)	22.1	2018/1/11
	Head	2.42	1.61	9.68	6.44	9.59 (8.63~10.55)	6.29 (5.66~6.92)	22.1	2018/1/14
	Body	2.51	1.66	10.04	6.64	9.65 (8.69~10.62)	6.46 (5.81~7.11)	22.1	2018/1/6
	Body	2.58	1.71	10.32	6.84	9.65 (8.69~10.62)	6.46 (5.81~7.11)	22.1	2018/1/7
	Body	2.54	1.67	10.16	6.68	9.65 (8.69~10.62)	6.46 (5.81~7.11)	22.1	2018/1/25
	Body	2.49	1.64	9.96	6.56	9.65 (8.69~10.62)	6.46 (5.81~7.11)	22.1	2018/1/27
D1750V2	Head	8.82	4.73	35.28	18.92	36.7 (33.03~40.37)	19.5 (17.55~21.45)	22.2	2018/1/9
	Head	8.74	4.69	34.96	18.76	36.7 (33.03~40.37)	19.5 (17.55~21.45)	22.2	2018/1/24
	Body	9.5	5.05	38	20.2	37 (33.30~40.70)	19.7 (17.73~21.67)	22.2	2018/1/10
	Body	9.52	5.06	38.08	20.24	37 (33.30~40.70)	19.7 (17.73~21.67)	22.2	2018/1/30
D1900V2	Head	10.5	5.42	42	21.68	40.7 (36.63~44.77)	21.1 (18.99~23.21)	22.3	2018/1/8
	Head	10.1	5.22	40.4	20.88	40.7 (36.63~44.77)	21.1 (18.99~23.21)	22.3	2018/1/23
	Body	10.3	5.45	41.2	21.8	41.6 (37.44~45.76)	21.4 (19.26~23.54)	22.3	2018/1/7
	Body	10.3	5.46	41.2	21.84	41.6 (37.44~45.76)	21.4 (19.26~23.54)	22.3	2018/1/28
	Body	10.4	5.48	41.6	21.92	41.6 (37.44~45.76)	21.4 (19.26~23.54)	22.3	2018/1/29
D2300V2	Head	12.3	5.85	49.2	23.4	48.1 (43.29~52.91)	23.1 (20.79~25.41)	22.0	2018/1/12
	Head	12.2	5.83	48.8	23.32	48.1 (43.29~52.91)	23.1 (20.79~25.41)	22.0	2018/1/15
	Body	11.6	5.64	46.4	22.56	47.5 (42.75~52.25)	22.9 (20.61~25.19)	22.0	2018/1/10
	Body	11.4	5.55	45.6	22.2	47.5 (42.75~52.25)	22.9 (20.61~25.19)	22.0	2018/1/17
D2450V2	Head	13.3	6.16	53.2	24.64	53.1 (47.79~58.41)	24.9 (22.41~27.39)	22	2018/1/22
	Head	12.9	6.16	51.6	24.64	53.1 (47.79~58.41)	24.9 (22.41~27.39)	22	2018/1/24
	Body	12.6	5.93	50.4	23.72	51.0 (45.9~56.1)	23.5 (21.15~25.85)	22	2018/1/22
	Body	12.8	5.94	51.2	23.76	51.0 (45.9~56.1)	23.5 (21.15~25.85)	22	2018/1/23

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D2600V2	Head	14.2	6.25	56.8	25	56.6 (50.94~62.26)	25.4 (22.86~27.94)	22.1	2018/1/11
	Head	14.1	6.21	56.4	24.84	56.6 (50.94~62.26)	25.4 (22.86~27.94)	22.1	2018/1/16
	Body	13.9	6.29	55.6	25.16	54.2 (48.78~59.62)	24.3 (21.87~26.73)	22.1	2018/1/9
	Body	14	6.33	56	25.32	54.2 (48.78~59.62)	24.3 (21.87~26.73)	22.2	2018/1/10
	Body	13.4	6.08	53.6	24.32	54.2 (48.78~59.62)	24.3 (21.87~26.73)	22.2	2018/1/18
	Body	13.3	6.02	53.2	24.08	54.2 (48.78~59.62)	24.3 (21.87~26.73)	22.2	2018/1/19
	Body	13.3	6.03	53.2	24.12	54.2 (48.78~59.62)	24.3 (21.87~26.73)	22.2	2018/1/20
Validation Kit		Measured SAR 100mW	Measured SAR 100mW	Measured SAR (normalized to 1w)	Measured SAR (normalized to 1w)	Target SAR (normalized to 1w) (±10%)	Target SAR (normalized to 1w) (±10%)	Liquid Temp. (°C)	Measured Date
		1g (W/kg)	10g (W/kg)	1g (W/kg)	10g (W/kg)	1-g(W/kg)	10-g(W/kg)		
D5GHzV2	Head(5.25GHz)	7.08	2.01	70.8	20.1	76.6 (68.94~84.26)	21.9 (19.71~24.09)	22.2	2018/1/31
	Body(5.25GHz)	8.11	2.21	81.1	22.1	75.6 (68.04~83.16)	21.3 (19.17~23.43)	22.2	2018/2/1
	Body(5.25GHz)	8.08	2.19	80.8	21.9	75.6 (68.04~83.16)	21.3 (19.17~23.43)	22.2	2018/2/2
	Head(5.6GHz)	7.9	2.23	79	22.3	80.4 (72.36~88.44)	22.8 (20.52~25.08)	22.2	2018/1/31
	Body(5.6GHz)	8.71	2.4	87.1	24	81.1 (72.99~89.21)	22.9 (20.61~25.19)	22.2	2018/2/1
	Body(5.6GHz)	8.67	2.38	86.7	23.8	81.1 (72.99~89.21)	22.9 (20.61~25.19)	22.2	2018/2/2
	Head(5.75GHz)	8.12	2.31	81.2	23.1	80 (72~88)	22.7 (20.43~24.97)	22.2	2018/1/31
	Body(5.75GHz)	7.15	1.94	71.5	19.4	74.8 (67.32~82.28)	21 (18.9~23.1)	22.2	2018/2/1
	Body(5.75GHz)	7.12	1.92	71.2	19.2	74.8 (67.32~82.28)	21 (18.9~23.1)	22.2	2018/2/2

Table 5 : SAR System Check Result

6.2.3 Detailed System Check Results

Please see the Appendix A

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 CMU200 the power level 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

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 spreading 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 $\leq \frac{1}{4}$ dB higher than RMC 12.2Kbps or when the highest reported SAR of the RMC12.2Kbps is scaled by the ratio of specified maximum output power and tune-up tolerance of HSDPA / HSUPA / DC-HSDPA to RMC12.2Kbps and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA

a) HSDPA

HSDPA is configured according to the applicable UE category of a test device. The number of HS-DSCH/HS-PDSCHs, HARQ processes, minimum inter-TTI interval, transport block sizes and RV coding sequence are defined by the H-set. To maintain a consistent test configuration and stable transmission conditions, QPSK is used in the H-set for SAR testing. HS-DPCCH should be configured with a CQI feedback cycle of 4 ms and a CQI repetition factor of 2 to maintain a constant rate of active CQI slots. DPCCH and DPDCH gain factors (β_c , β_d), and HS-DPCCH power offset parameters (Δ_{ACK} , Δ_{NACK} , Δ_{CQI}) 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.

Sub-test	β_c	Bd	β_d (SF)	β_c/β_d	β_{hs}	CM(dB)	MPR (dB)
1	2/15	15/15	64	2/15	4/15	0.0	0
2	12/15(3)	15/15(3)	64	12/15(3)	24/15	1.0	0
3	15/15	8/15	64	15/8	30/15	1.5	0.5
4	15/15	4/15	64	15/4	30/15	1.5	0.5
Note1: ΔACK, $\Delta NACK$ and $\Delta CQI = 8$ Ahs = $\beta_{hs}/\beta_c = 30/15$ $\beta_{hs} = 30/15 * \beta_c$ 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, ΔACK and $\Delta NACK = 8$ (Ahs = 30/15) with $\beta_{hs} = 30/15 * \beta_c$, and $\Delta CQI = 7$ (Ahs = 24/15) with $\beta_{hs} = 24/15 * \beta_c$. Note3: 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.							

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

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

Table 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.

Sub-test ^⓪	β_c ^⓪	β_d ^⓪	β_d (SF) ^⓪	β_c/β_d ^⓪	β_{hs} ⁽¹⁾ ^⓪	β_{ac} ^⓪	β_{ad} ^⓪	β_c ^(⓪) (SF) ^⓪	β_{ad} ^(⓪) (code) ^⓪	CM ⁽²⁾ ^⓪ (dB) ^⓪	MP R ^(⓪) (dB) ^⓪	AG ⁽⁴⁾ ^⓪ Inde ^x ^⓪	E-TFC I ^⓪
1 ^⓪	11/15 ⁽³⁾ ^⓪	15/15 ⁽³⁾ ^⓪	64 ^⓪	11/15 ⁽³⁾ ^⓪	22/15 ^⓪	209/225 ^⓪	1039/225 ^⓪	4 ^⓪	1 ^⓪	1.0 ^⓪	0.0 ^⓪	20 ^⓪	75 ^⓪
2 ^⓪	6/15 ^⓪	15/15 ^⓪	64 ^⓪	6/15 ^⓪	12/15 ^⓪	12/15 ^⓪	94/75 ^⓪	4 ^⓪	1 ^⓪	3.0 ^⓪	2.0 ^⓪	12 ^⓪	67 ^⓪
3 ^⓪	15/15 ^⓪	9/15 ^⓪	64 ^⓪	15/9 ^⓪	30/15 ^⓪	30/15 ^⓪	$\beta_{ad1}:47/15$ ^⓪ $\beta_{ad2}:47/15$ ^⓪	4 ^⓪	2 ^⓪	2.0 ^⓪	1.0 ^⓪	15 ^⓪	92 ^⓪
4 ^⓪	2/15 ^⓪	15/15 ^⓪	64 ^⓪	2/15 ^⓪	4/15 ^⓪	2/15 ^⓪	56/75 ^⓪	4 ^⓪	1 ^⓪	3.0 ^⓪	2.0 ^⓪	17 ^⓪	71 ^⓪
5 ^⓪	15/15 ⁽⁴⁾ ^⓪	15/15 ⁽⁴⁾ ^⓪	64 ^⓪	15/15 ⁽⁴⁾ ^⓪	30/15 ^⓪	24/15 ^⓪	134/15 ^⓪	4 ^⓪	1 ^⓪	1.0 ^⓪	0.0 ^⓪	21 ^⓪	81 ^⓪

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

Note 2: CM = 1 for $\beta_c/\beta_d = 12/15$, $\beta_{hs}/\beta_c = 24/15$. For all other combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference^⓪

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 $\beta_d = 15/15$ ^⓪

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 $\beta_d = 15/15$ ^⓪

Note 5 : Testing UE using E-DPDCH Physical Layer category 1 Sub-test 3 is not required according to TS 25.306 Table 5.1g^⓪

Note 6: β_{ad} can not be set directly; it is set by Absolute Grant Value.^⓪

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 Spreading Factor	Maximum E-DCH Transport Block Bits	Max Rate (Mbps)
1	1	4	10	4	7110	0.7296
2	2	8	2	4	2798	1.4592
	2	4	10	4	14484	
3	2	4	10	4	14484	1.4592
4	2	8	2	2	5772	2.9185
	2	4	10	2	20000	2.00
5	2	4	10	2	20000	2.00
6 (No DPDCH)	4	8	10	2SF2&2SF	11484	5.76
	4	4	2	4	20000	2.00
7 (No DPDCH)	4	8	2	2SF2&2SF	22996	?
	4	4	10	4	20000	?

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

Table 9 : HSUPA UE category

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 E_c/I_{or}	dB	-10
P-CCPCH and SCH E_c/I_{or}	dB	-12
PICH E_c/I_{or}	dB	-15
HS-PDSCH	dB	off
HS-SCCH_1	dB	off
DPCH E_c/I_{or}	dB	-5
OCNS E_c/I_{or}	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.

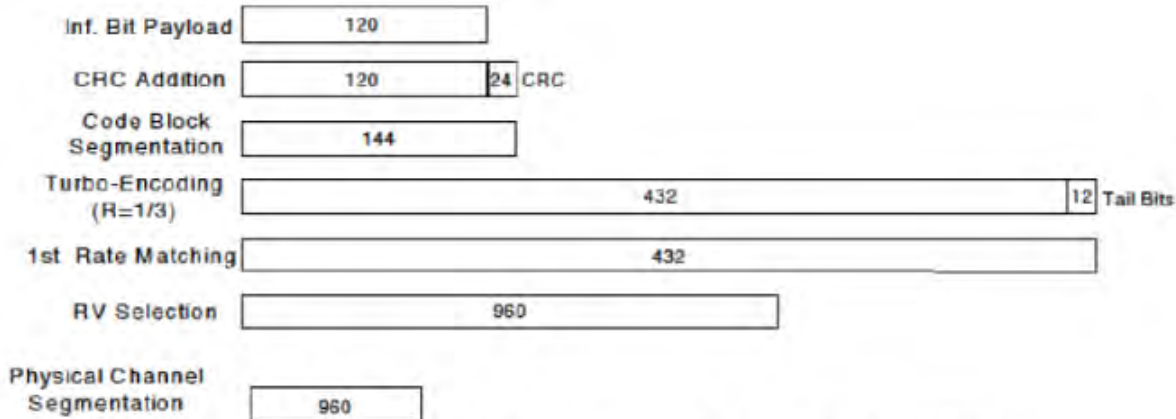


Figure C.8.19: Coding rate for Fixed reference Channel H-Set 12 (QPSK)

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

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

Note 1: Δ ACK, Δ NACK and Δ CQI = 8 $A_{1st} = \beta_{1st}/\beta_c = 30/15$ $\beta_{1st} = 30/15 * \beta_c$
Note 2: CM=1 for β_c/β_d 12/15, $\beta_{1st}/\beta_c = 24/15$. For all other combinations of DPDCH, DPCCCH 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.

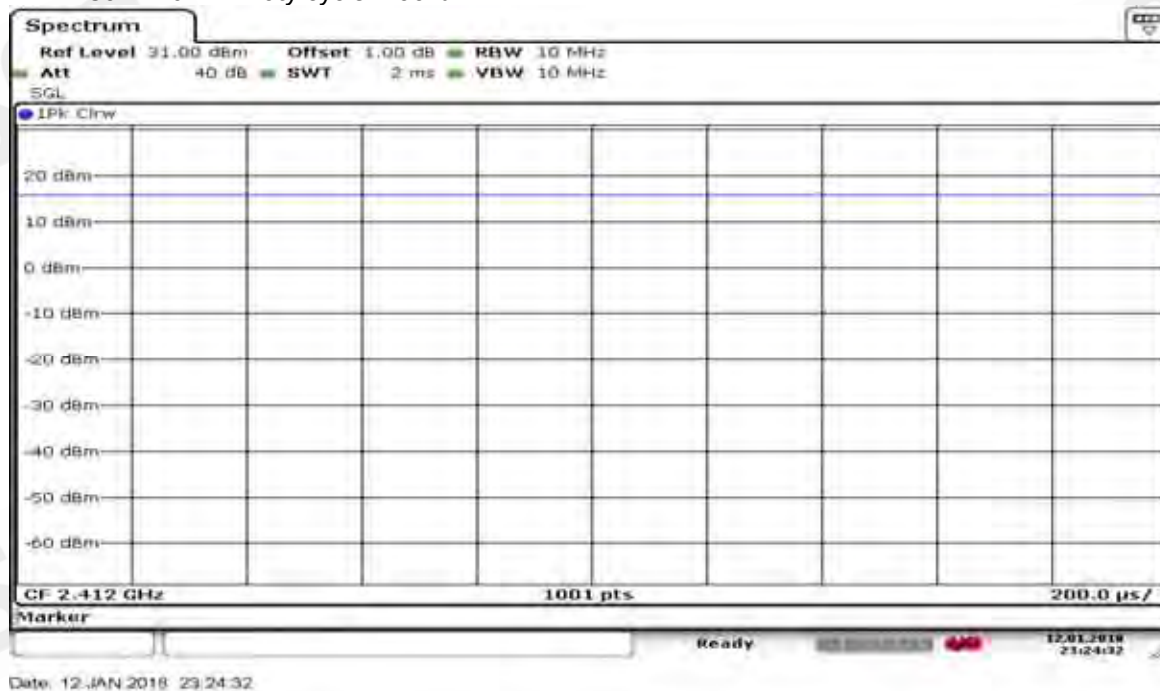
7.2.3 WiFi Test Configuration

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

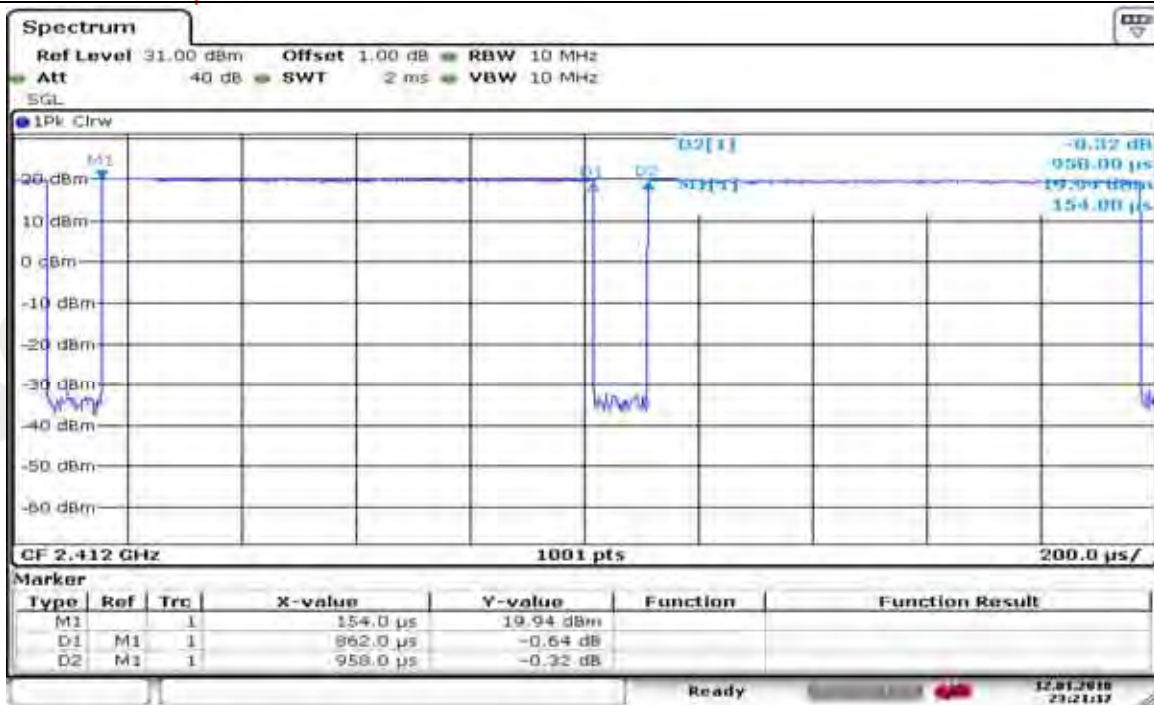
7.2.3.1 Duty cycle

1) 2.4GHz Wi-Fi 802.11b:

WIFI1 802.11b 1M: Duty cycle=100%



WIFI1 802.11b 11M: Duty cycle=0.862/0.958=89.98%



Date: 12 JAN 2018 23:21 (7)

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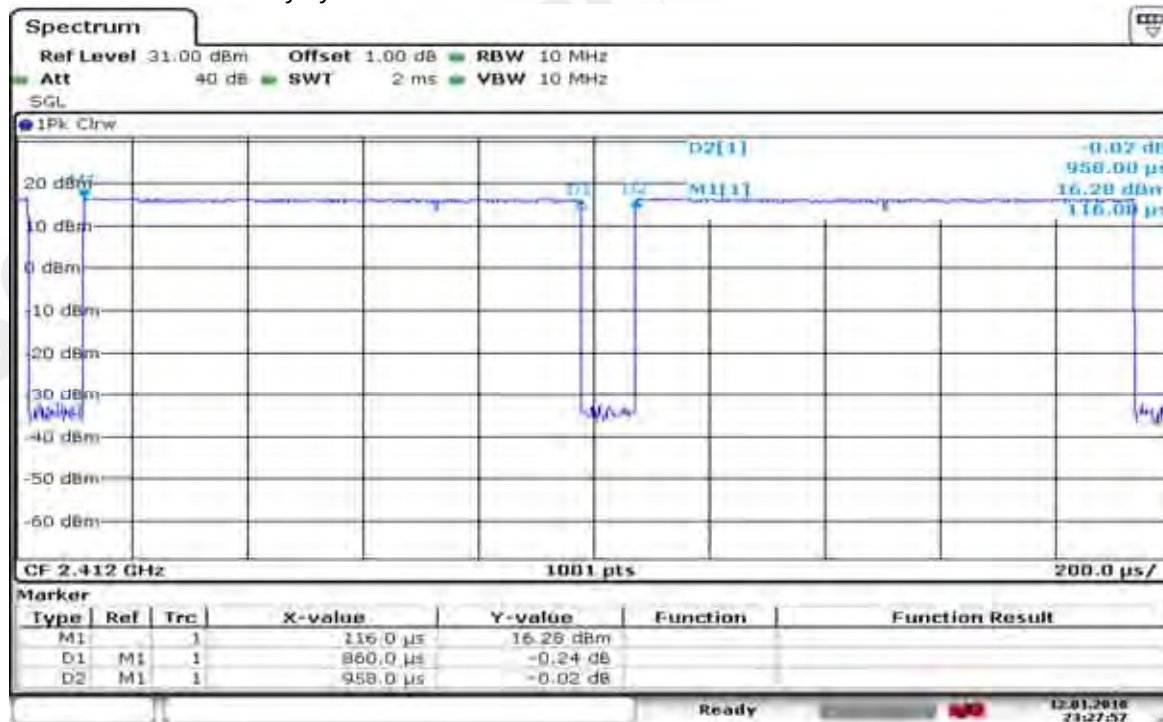
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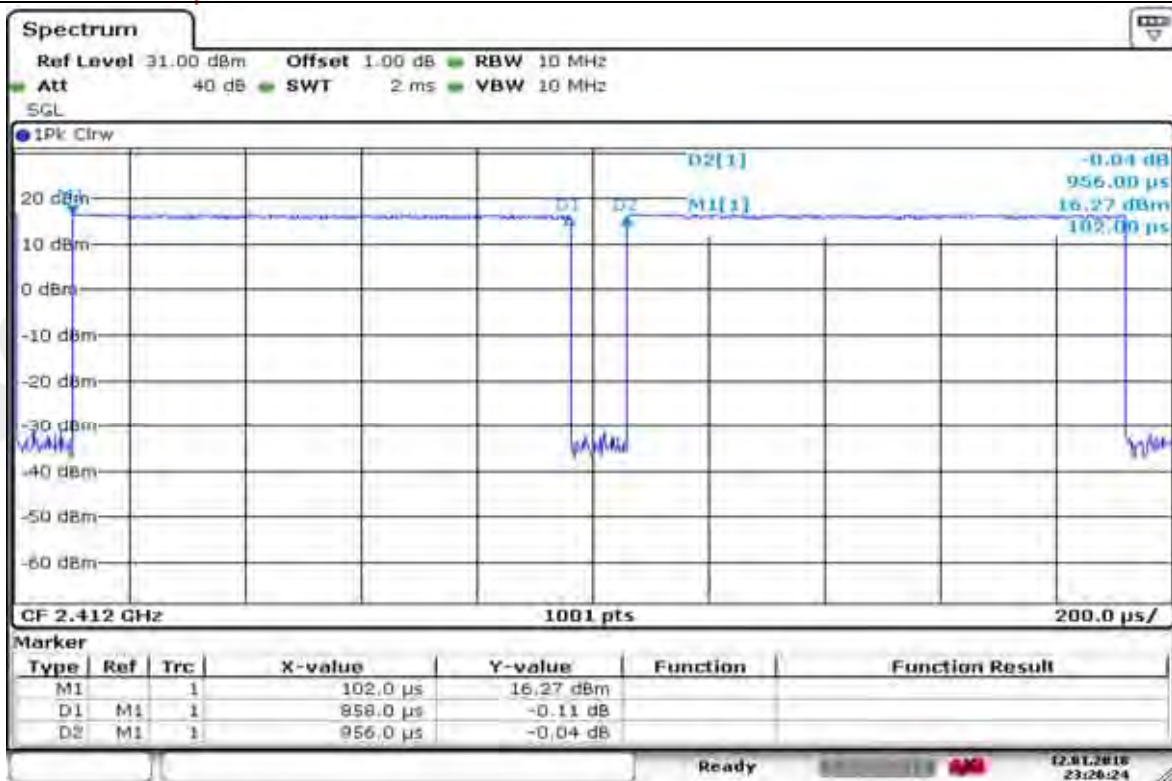
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WIFI2 802.11b 1M: Duty cycle=0.860/0.958=89.77%



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WIFI2 802.11b 11M: Duty cycle=0.858/0.956=89.75%



Date: 12.JAN.2018 23:26:24

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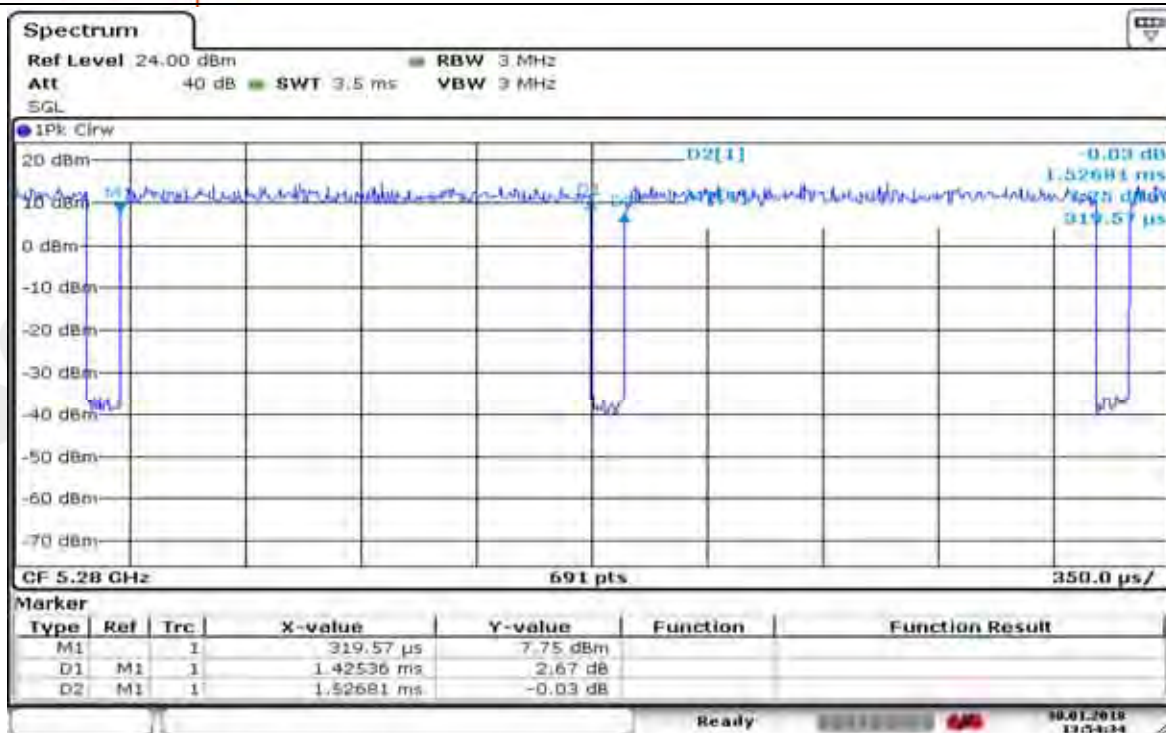
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2) 5GHz Wi-Fi 802.11a:
WIFI1 802.11ac MCS0: Duty cycle=670.36/734.93=91.21%



WIFI1 802.11a 6M: Duty cycle=1.42536/1.52681=93.36%



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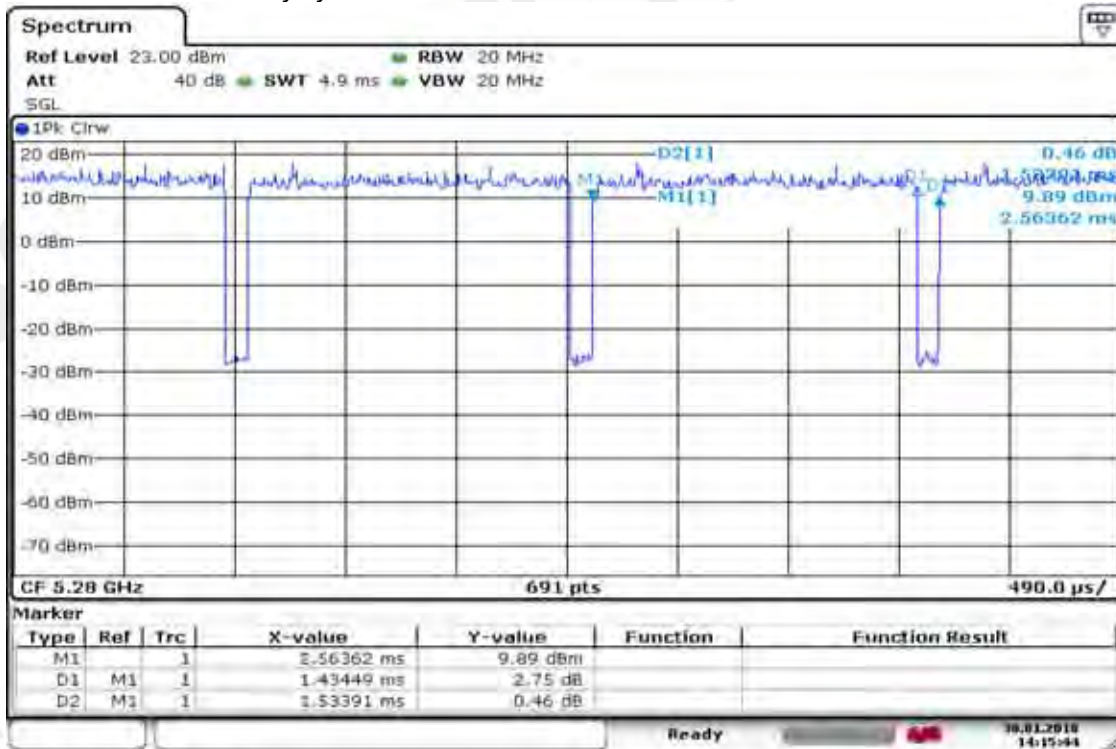
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WIFI2 802.11a 6M: Duty cycle=1.43449/1.53391=93.52%



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7.2.3.2 Initial Test Position SAR Test Reduction Procedure

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

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

7.2.3.3 Initial Test Configuration Procedures

An initial test configuration is determined for OFDM transmission modes according to the channel bandwidth, modulation and data rate combination(s) with the highest maximum output power specified for production units in each standalone and aggregated frequency band. SAR is measured using the highest measured maximum output power channel. For configurations with the same specified or measured maximum output power, additional transmission mode and test channel selection procedures are required. SAR test reduction for subsequent highest output test channels is determined according to *reported* SAR of the initial test configuration.

For next to the ear, hotspot mode and UMC mini-tablet exposure configurations where multiple test positions are required, the initial test position procedure is applied to minimize the number of test positions required for SAR measurement using the initial test configuration transmission mode. For fixed exposure conditions that do not have multiple SAR test positions, SAR is measured in the transmission mode determined by the initial test configuration.

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

7.2.3.4 Subsequent Test Configuration Procedures

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

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

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

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.

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.

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

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

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

- **SAR Test Requirements for OFDM configurations**

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

7.2.3.7 WiFi CDD/MIMO SAR Considerations

Per KDB 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-g SAR single transmission SAR measurement is $<1.6\text{W/kg}$, 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.

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.

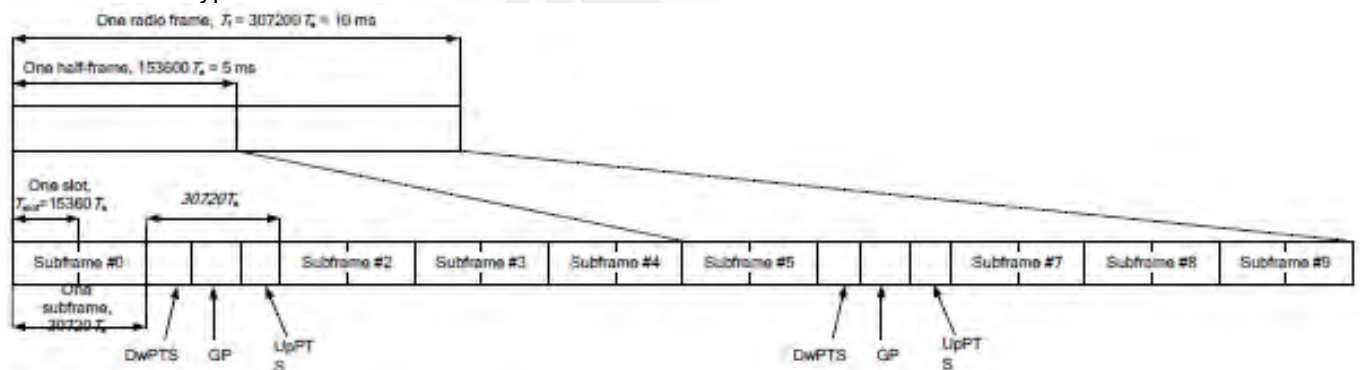
TDD LTE test consideration

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 configurations.

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

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

Frame structure type 2:



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

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

Uplink-downlink configurations.

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

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

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

A) Spectrum Plots for RB Configurations

A properly configured base station simulator was used for SAR tests and power measurements. Therefore, 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 ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required for 1 RB allocation; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel. When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.

2) QPSK with 50% RB allocation

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

3) QPSK with 100% RB allocation

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

4) Higher order modulations

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

8 Test Result

8.1 Measurement of RF Conducted Power

8.1.1 Conducted Power of Main Antenna

8.1.1.1 Conducted Power Of GSM

GSM 850 Full Power										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	32.38	32.57	32.49	33.8	-9.19	23.19	23.38	23.3	24.61
GPRS/EGPRS (GMSK)	1 TX Slot	32.41	32.57	32.53	33.8	-9.19	23.22	23.38	23.34	24.61
	2 TX Slots	30.5	30.64	30.53	31.8	-6.18	24.32	24.46	24.35	25.62
	3 TX Slots	28.4	28.55	28.51	29.8	-4.42	23.98	24.13	24.09	25.38
	4 TX Slots	26.24	26.46	26.41	27.8	-3.17	23.07	23.29	23.24	24.63
EGPRS(8PSK)	1 TX Slot	27.04	27.13	27.16	27.8	-9.19	17.85	17.94	17.97	18.61
	2 TX Slots	25.2	25.32	25.33	25.8	-6.18	19.02	19.14	19.15	19.62
	3 TX Slots	22.79	22.98	22.93	23.8	-4.42	18.37	18.56	18.51	19.38
	4 TX Slots	20.82	21.06	21.04	21.8	-3.17	17.65	17.89	17.87	18.63
GSM 1900 Full Power										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	29.98	29.91	29.93	31	-9.19	20.79	20.72	20.74	21.81
GPRS/EGPRS (GMSK)	1 TX Slot	29.99	29.89	29.92	31	-9.19	20.8	20.7	20.73	21.81
	2 TX Slots	27.92	27.77	27.7	29	-6.18	21.74	21.59	21.52	22.82
	3 TX Slots	25.85	25.74	25.62	27	-4.42	21.43	21.32	21.2	22.58
	4 TX Slots	23.69	23.59	23.47	25	-3.17	20.52	20.42	20.3	21.83
EGPRS(8PSK)	1 TX Slot	26.42	26.32	26.27	27	-9.19	17.23	17.13	17.08	17.81
	2 TX Slots	23.98	23.92	23.91	24	-6.18	17.8	17.74	17.73	17.82
	3 TX Slots	21.97	21.82	21.72	22	-4.42	17.55	17.4	17.3	17.58
	4 TX Slots	19.78	19.71	19.63	20	-3.17	16.61	16.54	16.46	16.83

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GSM 1900 Hotspot 2.4G										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	26.12	26.03	25.89	27	-9.19	16.93	16.84	16.7	17.81
GPRS/EGPRS (GMSK)	1 TX Slot	26.13	26.01	25.92	27	-9.19	16.94	16.82	16.73	17.81
	2 TX Slots	24.06	23.92	23.82	25	-6.18	17.88	17.74	17.64	18.82
	3 TX Slots	22.07	21.86	21.84	23	-4.42	17.65	17.44	17.42	18.58
	4 TX Slots	19.97	19.87	19.73	21	-3.17	16.8	16.7	16.56	17.83
EGPRS(8PSK)	1 TX Slot	22.22	22.06	22.03	23	-9.19	13.03	12.87	12.84	13.81
	2 TX Slots	19.98	19.94	19.89	20	-6.18	13.8	13.76	13.71	13.82
	3 TX Slots	17.96	17.96	17.94	18	-4.42	13.54	13.54	13.52	13.58
	4 TX Slots	15.82	15.8	15.78	16	-3.17	12.65	12.63	12.61	12.83

Table 11 : Conducted Power Of GSM

Note:

- 1) . CMU200 measures GSM peak and average output power for active timeslots. For SAR the time based average power is relevant. The difference in between depends on the duty cycle of the TDMA signal:

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

- 2) . The frame-averaged power is linearly proportion to the slot number configured and it is linearly scaled the maximum burst-averaged power based on time slots. The calculated method is shown as below:
Frame-averaged power = $10 \times \log (\text{Burst-averaged power mW} \times \text{Slot used} / 8)$
- 3) . When the maximum output power variation across the required test channels is $> \frac{1}{2}$ dB, instead of the middle channel, the highest output power channel must be used

8.1.1.2 Conducted Power Of WCDMA

WCDMA Band II Full Power					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	23.58	23.47	23.38	24.5
	12.2kbps AMR	23.52	23.42	23.34	24.5
HSDPA	Subtest 1	22.92	22.74	22.86	24
	Subtest 2	22.59	22.51	22.53	23
	Subtest 3	22.15	21.76	22.08	22.5
	Subtest 4	22.06	21.58	21.98	22.5
HSUPA	Subtest 1	22.02	21.98	21.97	22.5
	Subtest 2	19.04	18.88	18.92	19.5
	Subtest 3	21.16	21.08	21.21	21.5
	Subtest 4	19.78	19.86	18.62	20
	Subtest 5	21.99	21.92	21.99	22.5
DC-HSDPA	Subtest 1	22.87	22.69	22.8	24
	Subtest 2	22.51	22.37	22.42	23
	Subtest 3	22.03	21.75	22.02	22.5
	Subtest 4	21.93	21.56	21.89	22.5

WCDMA Band II Hotspot 2.4G					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	18.05	17.96	17.84	19
	12.2kbps AMR	18.01	17.92	17.82	19
HSDPA	Subtest 1	17.36	17.16	17.25	18.5
	Subtest 2	16.01	15.81	15.98	17.5
	Subtest 3	15.98	15.77	15.91	17
	Subtest 4	16.02	15.8	15.89	17
HSUPA	Subtest 1	16.48	16.38	16.4	17
	Subtest 2	13.51	13.38	13.41	14
	Subtest 3	15.48	15.38	15.41	16
	Subtest 4	13.82	13.91	13.73	14.5
	Subtest 5	16.48	16.38	16.41	17
DC-HSDPA	Subtest 1	17.36	17.09	17.17	18.5
	Subtest 2	15.92	15.75	15.87	17.5
	Subtest 3	15.91	15.68	15.87	17
	Subtest 4	15.94	15.7	15.84	17

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WCDMA Band IV Full Power					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	22.96	22.92	22.94	24
	12.2kbps AMR	22.93	22.89	22.91	24
HSDPA	Subtest 1	22.16	21.94	21.89	23.5
	Subtest 2	21.93	21.6	21.74	22.5
	Subtest 3	21.37	20.98	21.08	22
	Subtest 4	21.35	20.87	20.97	22
HSUPA	Subtest 1	21.32	21.23	21.26	22
	Subtest 2	19.01	18.95	18.93	19.5
	Subtest 3	19.76	19.82	19.79	20
	Subtest 4	19.81	19.86	19.82	20
	Subtest 5	21.33	21.26	21.27	22
DC-HSDPA	Subtest 1	22.16	21.93	21.84	23.5
	Subtest 2	21.89	21.59	21.6	22.5
	Subtest 3	21.26	20.97	20.99	22
	Subtest 4	21.24	20.86	20.84	22

WCDMA Band IV Hotspot 2.4G					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	18.95	18.89	18.93	20
	12.2kbps AMR	18.92	18.86	18.89	20
HSDPA	Subtest 1	18.12	17.97	17.99	19.5
	Subtest 2	17.07	16.7	16.91	18.5
	Subtest 3	16.92	16.89	16.93	18
	Subtest 4	17.01	16.82	16.85	18
HSUPA	Subtest 1	17.34	17.25	17.25	18
	Subtest 2	14.82	14.86	14.91	15.5
	Subtest 3	15.33	15.23	15.25	16
	Subtest 4	15.35	15.25	15.22	16
	Subtest 5	17.31	17.17	17.19	18
DC-HSDPA	Subtest 1	18.03	17.95	17.98	19.5
	Subtest 2	17.03	16.68	16.88	18.5
	Subtest 3	16.81	16.88	16.82	18
	Subtest 4	16.92	16.8	16.83	18

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WCDMA Band V Full Power					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	23.47	23.51	23.49	24.5
	12.2kbps AMR	23.43	23.49	23.46	24.5
HSDPA	Subtest 1	22.82	22.87	22.69	24.5
	Subtest 2	22.37	22.41	22.18	24
	Subtest 3	21.72	21.74	21.54	23.5
	Subtest 4	21.64	21.66	21.59	23.5
HSUPA	Subtest 1	22.53	22.56	22.55	24
	Subtest 2	20.56	20.54	20.53	21.5
	Subtest 3	21.55	21.56	21.53	22
	Subtest 4	20.03	20.16	20.08	21
	Subtest 5	21.54	21.54	21.53	22.5
DC-HSDPA	Subtest 1	22.78	22.85	22.62	24.5
	Subtest 2	22.26	22.33	22.09	24
	Subtest 3	21.61	21.68	21.48	23.5
	Subtest 4	21.6	21.63	21.54	23.5

Table 12 : Conducted Power Of WCDMA

Note:

- 1) when the maximum output power variation across the required test channels is $> \frac{1}{2}$ dB, instead of the middle channel, the highest output power channel must be used.

8.1.1.3 Conducted Power Of LTE

LTE Band 2 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	22.94	22.92	22.86	24
		1	2	22.56	22.42	22.23	24
		1	5	22.97	22.95	22.97	24
		3	0	22.88	22.82	22.81	24
		3	2	22.7	22.8	22.64	24
		3	3	22.84	22.78	22.87	24
		6	0	21.91	21.8	21.89	23
	16QAM	1	0	22.14	22.22	22.11	23
		1	2	21.9	21.96	21.85	23
		1	5	22.19	22.24	22.12	23
		3	0	21.98	21.94	21.89	23
		3	2	21.63	21.62	21.79	23
		3	3	21.97	21.96	21.88	23
		6	0	20.96	20.81	20.88	22
	64QAM	1	0	21.02	20.73	20.65	22
		1	2	20.52	20.47	20.18	22
		1	5	20.9	20.87	20.71	22
		3	0	20.87	20.82	20.73	22
		3	2	20.47	20.56	20.13	22
		3	3	20.77	20.83	20.8	22
		6	0	19.62	19.51	19.37	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	23	22.95	22.95	24
		1	7	22.55	22.41	22.37	24
		1	14	22.95	22.89	22.96	24
		8	0	21.92	21.86	21.85	23
		8	4	21.9	21.83	21.87	23
		8	7	21.88	21.84	21.85	23
		15	0	21.96	21.89	21.85	23
	16QAM	1	0	22.35	22.26	22.24	23
		1	7	21.72	21.57	21.76	23
		1	14	22.21	22.14	22.17	23
		8	0	20.85	20.8	20.84	22
		8	4	20.92	20.76	20.78	22
		8	7	20.86	20.79	20.74	22
		15	0	20.87	20.83	20.79	22
	64QAM	1	0	20.97	20.84	20.76	22
		1	7	20.56	20.49	20.13	22
		1	14	20.93	20.78	20.68	22
		8	0	19.68	19.66	19.59	21

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		8	4	19.6	19.56	19.44	21
		8	7	19.6	19.48	19.53	21
		15	0	19.68	19.55	19.53	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	22.98	22.92	22.94	24
		1	13	22.97	22.93	22.91	24
		1	24	22.9	22.89	22.95	24
		12	0	22.03	21.95	21.92	23
		12	6	21.87	21.89	21.84	23
		12	13	21.96	21.9	21.92	23
		25	0	21.93	21.88	21.89	23
	16QAM	1	0	22.2	22.23	22.16	23
		1	13	22.18	22.12	22.05	23
		1	24	22.16	22.19	22.21	23
		12	0	20.94	20.94	20.88	22
		12	6	20.9	20.87	20.84	22
		12	13	20.97	20.92	20.91	22
		25	0	20.86	20.84	20.79	22
	64QAM	1	0	20.99	20.72	20.75	22
		1	13	20.48	20.65	20.18	22
		1	24	20.84	20.84	20.79	22
		12	0	19.71	19.65	19.45	21
		12	6	19.62	19.46	19.44	21
		12	13	19.61	19.51	19.56	21
		25	0	19.61	19.45	19.36	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	22.99	22.93	22.95	24
		1	25	22.79	22.86	22.83	24
		1	49	22.95	22.88	22.92	24
		25	0	21.94	21.93	21.96	23
		25	13	21.92	21.87	21.89	23
		25	25	21.93	21.93	21.94	23
		50	0	21.96	21.96	21.9	23
	16QAM	1	0	22.24	22.3	22.23	23
		1	25	21.96	21.95	21.92	23
		1	49	22.21	22.13	22.26	23
		25	0	20.95	20.93	20.93	22
		25	13	20.88	20.87	20.9	22
		25	25	20.88	20.84	20.84	22
		50	0	20.85	20.85	20.85	22
	64QAM	1	0	20.98	20.73	20.69	22
		1	25	20.48	20.63	20.18	22
		1	49	20.83	20.76	20.7	22
		25	0	19.62	19.57	19.54	21
		25	13	19.53	19.44	19.51	21

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		25	25	19.51	19.51	19.4	21
		50	0	19.6	19.5	19.39	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	23	22.94	22.91	24
		1	38	23.01	22.94	22.96	24
		1	74	22.86	22.91	22.85	24
		36	0	21.98	22.01	21.96	23
		36	18	21.98	21.98	21.97	23
		36	39	21.94	21.93	21.94	23
		75	0	21.99	21.98	21.95	23
	16QAM	1	0	22.23	22.3	22.19	23
		1	38	22.25	22.3	22.18	23
		1	74	22.05	22.19	22.07	23
		36	0	20.96	20.98	20.94	22
		36	18	20.93	20.93	20.92	22
		36	39	20.93	20.94	20.9	22
		75	0	20.91	20.88	20.89	22
	64QAM	1	0	21.03	20.89	20.64	22
		1	38	20.43	20.49	20.17	22
		1	74	20.79	20.8	20.75	22
		36	0	19.59	19.62	19.55	21
		36	18	19.66	19.47	19.47	21
		36	39	19.51	19.43	19.4	21
		75	0	19.57	19.44	19.48	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	23.16	23.11	23.09	24
		1	50	22.47	22.42	22.82	24
		1	99	22.99	22.94	22.96	24
		50	0	22.05	22.02	21.95	23
		50	25	21.96	21.93	21.94	23
		50	50	21.93	21.94	21.93	23
		100	0	22.04	21.96	21.96	23
	16QAM	1	0	22.39	22.37	22.43	23
		1	50	21.82	21.77	21.94	23
		1	99	22.25	22.23	22.17	23
		50	0	20.99	20.93	20.93	22
		50	25	20.9	20.84	20.87	22
		50	50	20.91	20.87	20.87	22
		100	0	20.92	20.9	20.92	22

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	64QAM	1	0	21.08	20.89	20.81	22
		1	50	20.62	20.66	20.26	22
		1	99	20.94	20.87	20.87	22
		50	0	19.73	19.67	19.6	21
		50	25	19.67	19.58	19.57	21
		50	50	19.69	19.62	19.56	21
		100	0	19.7	19.61	19.55	21

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LTE Band 2 Hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	18.04	17.96	17.97	19
		1	2	17.56	17.47	17.49	19
		1	5	18.03	17.97	17.98	19
		3	0	17.88	17.91	17.82	19
		3	2	17.98	17.89	17.86	19
		3	3	17.98	17.87	17.93	19
		6	0	18.01	17.92	17.82	19
	16QAM	1	0	18.34	18.28	18.22	19
		1	2	18.18	18.14	18.08	19
		1	5	18.23	18.29	18.25	19
		3	0	17.96	17.96	17.92	19
		3	2	17.89	17.87	17.75	19
		3	3	18.01	17.89	17.91	19
		6	0	17.97	17.94	17.87	19
	64QAM	1	0	17.89	17.83	17.79	19
		1	2	17.54	17.46	17.35	19
		1	5	17.71	17.93	17.97	19
		3	0	17.53	17.7	17.43	19
		3	2	17.56	17.51	17.57	19
		3	3	17.63	17.67	17.54	19
		6	0	17.5	17.43	17.49	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	18.06	17.99	17.95	19
		1	7	17.79	17.63	17.58	19
		1	14	18.01	17.94	17.95	19
		8	0	17.98	17.93	17.9	19
		8	4	17.87	17.86	17.91	19
		8	7	17.96	17.9	17.93	19
		15	0	17.99	17.92	17.95	19
	16QAM	1	0	18.26	18.19	18.24	19
		1	7	17.83	17.86	17.89	19
		1	14	18.25	18.25	18.21	19
		8	0	17.96	17.94	17.95	19
		8	4	17.87	17.89	17.82	19
		8	7	17.94	17.94	17.85	19
		15	0	17.96	17.86	17.88	19
	64QAM	1	0	18.02	18.2	17.64	19
		1	7	17.69	17.38	17.22	19
		1	14	17.71	17.96	17.87	19
		8	0	17.75	17.62	17.53	19

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		8	4	17.67	17.49	17.45	19
		8	7	17.59	17.6	17.52	19
		15	0	17.62	17.58	17.42	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	18.06	17.97	17.97	19
		1	13	18.03	17.97	17.95	19
		1	24	17.92	17.95	18.01	19
		12	0	18.04	18.02	18.01	19
		12	6	18.05	17.97	17.89	19
		12	13	18.06	18.01	17.97	19
		25	0	18.05	17.98	17.96	19
	16QAM	1	0	18.37	18.36	18.27	19
		1	13	18.36	18.24	18.2	19
		1	24	18.25	18.15	18.29	19
		12	0	18.02	17.96	17.97	19
		12	6	18	17.95	17.91	19
		12	13	18.05	17.98	17.94	19
		25	0	17.95	17.92	17.89	19
	64QAM	1	0	18.02	18.2	17.64	19
		1	13	17.69	17.38	17.22	19
		1	24	17.71	17.96	17.87	19
		12	0	17.75	17.62	17.53	19
		12	6	17.67	17.49	17.45	19
		12	13	17.59	17.6	17.52	19
		25	0	17.62	17.58	17.42	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	18.07	18.01	18	19
		1	25	17.7	17.61	17.75	19
		1	49	18	17.93	17.99	19
		25	0	18.02	17.96	17.95	19
		25	13	17.96	17.94	17.97	19
		25	25	17.97	17.96	17.9	19
		50	0	18.01	17.99	17.91	19
	16QAM	1	0	18.44	18.4	18.27	19
		1	25	17.94	17.95	17.99	19
		1	49	18.24	18.24	18.31	19
		25	0	17.93	17.92	17.95	19
		25	13	17.94	17.88	17.88	19
		25	25	17.89	17.92	17.89	19
		50	0	17.96	17.88	17.89	19
	64QAM	1	0	18.02	18.2	17.64	19
		1	25	17.69	17.38	17.22	19
		1	49	17.71	17.96	17.87	19
		25	0	17.75	17.62	17.53	19
		25	13	17.67	17.49	17.45	19

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		25	25	17.59	17.6	17.52	19
		50	0	17.62	17.58	17.42	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	18.02	18.01	17.94	19
		1	38	18.02	17.99	17.98	19
		1	74	17.9	17.88	17.9	19
		36	0	18.06	18.02	17.99	19
		36	18	18.03	17.98	17.98	19
		36	39	18.03	17.96	18.03	19
		75	0	18.02	18.01	17.96	19
	16QAM	1	0	18.16	18.4	18.25	19
		1	38	18.33	18.27	18.31	19
		1	74	18.23	18.25	18.26	19
		36	0	17.99	17.98	17.95	19
		36	18	18	17.88	17.93	19
		36	39	17.99	17.91	17.95	19
		75	0	17.95	17.94	17.93	19
	64QAM	1	0	18.02	18.2	17.64	19
		1	38	17.69	17.38	17.22	19
		1	74	17.71	17.96	17.87	19
		36	0	17.75	17.62	17.53	19
		36	18	17.67	17.49	17.45	19
		36	39	17.59	17.6	17.52	19
		75	0	17.62	17.58	17.42	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	18.2	18.15	18.11	19
		1	50	17.69	17.65	17.49	19
		1	99	17.98	17.99	18.02	19
		50	0	18.09	18.03	17.97	19
		50	25	18.07	17.95	17.98	19
		50	50	18.02	17.98	17.98	19
		100	0	18.06	17.98	17.99	19
	16QAM	1	0	18.42	18.42	18.33	19
		1	50	18.02	17.74	17.5	19
		1	99	18.38	18.26	18.29	19
		50	0	18.07	17.98	17.96	19
		50	25	17.96	17.87	17.93	19
		50	50	17.94	17.89	17.9	19
		100	0	18	17.9	17.93	19

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	64QAM	1	0	18.26	18.35	18.12	19
		1	50	17.89	17.77	17.65	19
		1	99	18.14	18.19	18.11	19
		50	0	18.04	17.97	17.87	19
		50	25	18.01	17.91	17.83	19
		50	50	17.95	17.9	17.82	19
		100	0	17.99	17.89	17.83	19

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LTE Band 4 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	23.51	23.44	23.43	24
		1	2	23	22.72	22.87	24
		1	5	23.52	23.49	23.38	24
		3	0	23.45	23.46	23.37	24
		3	2	23.33	23.27	23.29	24
		3	3	23.48	23.5	23.37	24
		6	0	21.46	21.4	21.3	23
	16QAM	1	0	22.24	22.28	22.14	23
		1	2	22.2	21.88	22.14	23
		1	5	22.39	22.26	22.12	23
		3	0	22.12	22.05	21.91	23
		3	2	21.84	21.95	21.67	23
		3	3	22.09	21.99	21.9	23
		6	0	20.92	20.93	20.96	22
	64QAM	1	0	21.26	21.3	21.25	22
		1	2	21.06	20.74	20.97	22
		1	5	21.28	21.33	21.2	22
		3	0	21.32	21.41	21.24	22
		3	2	21.13	20.87	20.93	22
		3	3	21.26	21.43	21.24	22
		6	0	19.99	20.07	19.91	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	23.56	23.37	23.37	24
		1	7	23.16	22.92	22.8	24
		1	14	23.46	23.41	23.34	24
		8	0	21.41	21.38	21.3	23
		8	4	21.44	21.41	21.34	23
		8	7	21.44	21.29	21.23	23
		15	0	21.45	21.41	21.34	23
	16QAM	1	0	22.24	22.08	22.23	23
		1	7	21.92	21.73	21.63	23
		1	14	22.17	22.1	22.05	23
		8	0	20.82	20.95	20.66	22
		8	4	20.87	20.88	20.74	22
		8	7	20.89	20.74	20.76	22
		15	0	20.88	20.85	20.81	22
	64QAM	1	0	21.31	21.28	21.16	22
		1	7	21.03	20.79	20.86	22
		1	14	21.21	21.33	21.19	22
		8	0	20.06	19.95	19.95	21

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		8	4	20.01	20.04	19.82	21
		8	7	20.03	20.03	20.01	21
		15	0	20.08	19.97	19.9	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	23.53	23.5	23.46	24
		1	13	23.5	23.4	23.37	24
		1	24	23.44	23.4	23.28	24
		12	0	21.5	21.4	21.35	23
		12	6	21.42	21.39	21.35	23
		12	13	21.47	21.42	21.37	23
		25	0	21.48	21.43	21.37	23
	16QAM	1	0	22.32	22.2	22.2	23
		1	13	22.21	22.27	22.26	23
		1	24	22.21	22.07	22	23
		12	0	20.99	20.9	20.85	22
		12	6	20.91	20.86	20.76	22
		12	13	20.95	20.87	20.82	22
		25	0	20.87	20.85	20.82	22
	64QAM	1	0	21.27	21.37	21.25	22
		1	13	21.1	20.83	20.92	22
		1	24	21.2	21.26	21.34	22
		12	0	19.99	20.02	19.93	21
		12	6	20.01	19.99	19.92	21
		12	13	19.94	20.05	20.03	21
		25	0	20.01	19.9	19.91	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	23.58	23.41	23.48	24
		1	25	23.1	22.94	22.98	24
		1	49	23.46	23.37	23.32	24
		25	0	21.48	21.4	21.39	23
		25	13	21.46	21.44	21.37	23
		25	25	21.49	21.41	21.34	23
		50	0	21.5	21.39	21.4	23
	16QAM	1	0	22.32	22.23	22.12	23
		1	25	21.85	22	21.71	23
		1	49	22.17	22.22	22.01	23
		25	0	20.96	20.87	20.87	22
		25	13	20.9	20.84	20.82	22
		25	25	20.9	20.88	20.78	22
		50	0	20.86	20.82	20.78	22
	64QAM	1	0	21.38	21.34	21.21	22
		1	25	21.14	20.73	20.94	22
		1	49	21.17	21.32	21.24	22
		25	0	20.11	19.97	19.83	21
		25	13	19.98	19.96	19.91	21

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		25	25	19.99	20.01	19.97	21
		50	0	19.92	20	19.82	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	23.49	23.47	23.36	24
		1	38	23.5	23.45	23.41	24
		1	74	23.4	23.33	23.31	24
		36	0	21.56	21.48	21.46	23
		36	18	21.49	21.44	21.42	23
		36	39	21.46	21.41	21.43	23
		75	0	21.5	21.41	21.41	23
	16QAM	1	0	22.26	22.22	22.14	23
		1	38	22.29	22.23	22.14	23
		1	74	22.16	22.17	22.02	23
		36	0	20.97	20.97	20.86	22
		36	18	20.91	20.87	20.82	22
		36	39	20.91	20.9	20.86	22
		75	0	20.93	20.83	20.82	22
	64QAM	1	0	21.28	21.36	21.14	22
		1	38	21	20.74	20.98	22
		1	74	21.21	21.27	21.2	22
		36	0	20.08	19.97	19.98	21
		36	18	20.1	19.93	19.95	21
		36	39	20.01	19.89	19.96	21
		75	0	19.93	19.95	19.9	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	23.62	23.6	23.57	24
		1	50	23.13	22.95	22.92	24
		1	99	23.42	23.31	23.43	24
		50	0	21.55	21.47	21.45	23
		50	25	21.44	21.41	21.37	23
		50	50	21.43	21.43	21.38	23
		100	0	21.49	21.45	21.38	23
	16QAM	1	0	22.46	22.37	22.3	23
		1	50	21.86	21.87	21.84	23
		1	99	22.3	22.11	22.15	23
		50	0	20.94	20.91	20.84	22
		50	25	20.91	20.85	20.81	22
		50	50	20.84	20.82	20.84	22
		100	0	20.92	20.84	20.84	22

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	64QAM	1	0	21.45	21.44	21.32	22
		1	50	21.16	20.88	20.99	22
		1	99	21.34	21.44	21.35	22
		50	0	20.12	20.11	20.01	21
		50	25	20.11	20.06	20	21
		50	50	20.07	20.06	20.04	21
		100	0	20.11	20.09	20.01	21

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LTE Band 4 Hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	19.54	19.42	19.39	20
		1	2	18.9	19.09	18.77	20
		1	5	19.49	19.49	19.36	20
		3	0	19.4	19.43	19.34	20
		3	2	19.39	19.37	19.23	20
		3	3	19.39	19.33	19.25	20
		6	0	19.37	19.28	19.27	20
	16QAM	1	0	19.81	19.81	19.64	20
		1	2	19.42	19.25	19.74	20
		1	5	19.85	19.79	19.77	20
		3	0	19.52	19.46	19.29	20
		3	2	19.43	19.28	19.33	20
		3	3	19.4	19.41	19.29	20
		6	0	19.41	19.37	19.29	20
	64QAM	1	0	19.68	19.57	19.6	20
		1	2	19.27	19.18	19.18	20
		1	5	19.68	19.64	19.54	20
		3	0	19.22	19.31	19.33	20
		3	2	19.27	19.28	19.18	20
		3	3	19.21	19.28	19.2	20
		6	0	19.26	19.2	19.25	20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	19.52	19.38	19.36	20
		1	7	19.14	19.24	19.15	20
		1	14	19.46	19.39	19.34	20
		8	0	19.49	19.47	19.28	20
		8	4	19.46	19.44	19.34	20
		8	7	19.42	19.41	19.36	20
		15	0	19.5	19.43	19.4	20
	16QAM	1	0	19.8	19.73	19.6	20
		1	7	19.13	19.39	18.85	20
		1	14	19.87	19.75	19.57	20
		8	0	19.48	19.37	19.28	20
		8	4	19.49	19.35	19.33	20
		8	7	19.45	19.31	19.18	20
		15	0	19.47	19.44	19.33	20
	64QAM	1	0	19.69	19.56	19.72	20
		1	7	19.25	19.21	19.04	20
		1	14	19.7	19.66	19.55	20
		8	0	19.24	19.33	19.19	20

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		8	4	19.31	19.31	19.29	20
		8	7	19.27	19.23	19.17	20
		15	0	19.37	19.31	19.31	20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	19.54	19.43	19.39	20
		1	13	19.5	19.47	19.41	20
		1	24	19.47	19.38	19.32	20
		12	0	19.57	19.47	19.44	20
		12	6	19.47	19.45	19.31	20
		12	13	19.53	19.5	19.42	20
		25	0	19.52	19.49	19.42	20
	16QAM	1	0	19.88	19.83	19.8	20
		1	13	19.81	19.78	19.78	20
		1	24	19.72	19.69	19.7	20
		12	0	19.57	19.48	19.41	20
		12	6	19.46	19.46	19.39	20
		12	13	19.48	19.45	19.35	20
		25	0	19.46	19.37	19.31	20
	64QAM	1	0	19.65	19.55	19.65	20
		1	13	19.25	19.3	19.12	20
		1	24	19.67	19.55	19.59	20
		12	0	19.39	19.35	19.36	20
		12	6	19.3	19.35	19.29	20
		12	13	19.36	19.33	19.3	20
		25	0	19.35	19.21	19.29	20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	19.55	19.47	19.42	20
		1	25	19.21	18.98	18.77	20
		1	49	19.42	19.34	19.32	20
		25	0	19.56	19.48	19.47	20
		25	13	19.48	19.48	19.38	20
		25	25	19.42	19.44	19.4	20
		50	0	19.47	19.41	19.4	20
	16QAM	1	0	19.87	19.77	19.77	20
		1	25	19.61	19.5	19.45	20
		1	49	19.82	19.76	19.67	20
		25	0	19.5	19.41	19.38	20
		25	13	19.38	19.37	19.34	20
		25	25	19.41	19.43	19.32	20
		50	0	19.43	19.36	19.35	20
	64QAM	1	0	19.66	19.59	19.74	20
		1	25	19.35	19.23	19.18	20
		1	49	19.59	19.61	19.55	20
		25	0	19.28	19.25	19.3	20
		25	13	19.26	19.3	19.21	20

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		25	25	19.3	19.37	19.22	20
		50	0	19.24	19.21	19.29	20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	19.54	19.46	19.42	20
		1	38	19.51	19.47	19.37	20
		1	74	19.33	19.35	19.28	20
		36	0	19.51	19.5	19.44	20
		36	18	19.48	19.45	19.46	20
		36	39	19.45	19.42	19.45	20
		75	0	19.53	19.44	19.43	20
	16QAM	1	0	19.78	19.78	19.76	20
		1	38	19.83	19.84	19.75	20
		1	74	19.74	19.74	19.59	20
		36	0	19.5	19.45	19.43	20
		36	18	19.47	19.39	19.38	20
		36	39	19.43	19.42	19.31	20
		75	0	19.41	19.35	19.3	20
	64QAM	1	0	19.61	19.66	19.7	20
		1	38	19.18	19.23	19.11	20
		1	74	19.71	19.71	19.5	20
		36	0	19.38	19.33	19.32	20
		36	18	19.28	19.38	19.22	20
		36	39	19.28	19.37	19.19	20
		75	0	19.32	19.26	19.31	20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	19.68	19.68	19.64	20
		1	50	19.05	19.02	19.03	20
		1	99	19.54	19.47	19.5	20
		50	0	19.63	19.57	19.53	20
		50	25	19.58	19.46	19.49	20
		50	50	19.56	19.5	19.48	20
		100	0	19.54	19.54	19.54	20
	16QAM	1	0	19.89	19.92	9.88	20
		1	50	19.14	19.39	19.37	20
		1	99	19.84	19.81	19.77	20
		50	0	19.58	19.52	19.43	20
		50	25	19.51	19.44	19.47	20
		50	50	19.46	19.43	19.44	20
		100	0	19.54	19.44	19.44	20

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	64QAM	1	0	19.76	19.7	19.77	20
		1	50	19.36	19.32	19.21	20
		1	99	19.71	19.72	19.64	20
		50	0	19.4	19.42	19.37	20
		50	25	19.37	19.39	19.36	20
		50	50	19.38	19.39	19.35	20
		100	0	19.38	19.35	19.31	20

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LTE Band 5 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	23.48	23.39	23.39	24.5
		1	2	22.8	22.81	22.75	24.5
		1	5	23.42	23.41	23.41	24.5
		3	0	23.33	23.32	23.39	24.5
		3	2	23.21	23.21	23.15	24.5
		3	3	23.27	23.27	23.28	24.5
		6	0	21.79	21.86	21.72	23.5
	16QAM	1	0	22.18	22.06	22.02	23.5
		1	2	21.84	22.12	21.83	23.5
		1	5	21.99	22.08	22.03	23.5
		3	0	21.79	21.86	21.86	23.5
		3	2	21.59	21.81	21.72	23.5
		3	3	21.88	21.76	21.84	23.5
		6	0	20.85	20.77	20.74	22.5
	64QAM	1	0	21.71	21.46	21.56	22.5
		1	2	21.18	21.41	21.3	22.5
		1	5	21.41	21.53	21.58	22.5
		3	0	21.66	21.62	21.52	22.5
		3	2	21.12	21.34	21.33	22.5
		3	3	21.39	21.63	21.43	22.5
		6	0	20.26	20.24	20.37	21.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	23.46	23.4	23.43	24.5
		1	7	23.05	23.12	22.83	24.5
		1	14	23.43	23.43	23.4	24.5
		8	0	21.83	21.82	21.8	23.5
		8	4	21.77	21.8	21.79	23.5
		8	7	21.75	21.88	21.76	23.5
		15	0	21.82	21.83	21.84	23.5
	16QAM	1	0	22.21	22.2	22.09	23.5
		1	7	21.52	21.69	21.64	23.5
		1	14	22.1	22.18	22.06	23.5
		8	0	20.74	20.84	20.78	22.5
		8	4	20.76	20.76	20.8	22.5
		8	7	20.72	20.76	20.69	22.5
		15	0	20.81	20.81	20.79	22.5
	64QAM	1	0	21.64	21.45	21.57	22.5
		1	7	21.14	21.28	21.25	22.5
		1	14	21.41	21.63	21.48	22.5
		8	0	20.38	20.31	20.38	21.5

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		8	4	20.39	20.46	20.35	21.5
		8	7	20.29	20.29	20.3	21.5
		15	0	20.18	20.36	20.29	21.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	23.47	23.42	23.36	24.5
		1	13	23.53	23.47	23.41	24.5
		1	24	23.39	23.39	23.49	24.5
		12	0	21.91	21.93	21.9	23.5
		12	6	21.86	21.88	21.85	23.5
		12	13	21.85	21.92	21.89	23.5
		25	0	21.83	21.86	21.9	23.5
	16QAM	1	0	22.15	22.17	22.07	23.5
		1	13	22.09	22.11	22.05	23.5
		1	24	22.1	22.1	22.1	23.5
		12	0	20.85	20.9	20.84	22.5
		12	6	20.75	20.83	20.8	22.5
		12	13	20.83	20.88	20.85	22.5
		25	0	20.79	20.78	20.81	22.5
	64QAM	1	0	21.64	21.55	21.44	22.5
		1	13	21.16	21.36	21.37	22.5
		1	24	21.5	21.56	21.41	22.5
		12	0	20.35	20.27	20.41	21.5
		12	6	20.21	20.44	20.36	21.5
		12	13	20.24	20.37	20.35	21.5
		25	0	20.27	20.3	20.3	21.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	23.38	23.33	23.36	24.5
		1	25	23.2	23.19	22.97	24.5
		1	49	23.37	23.36	23.28	24.5
		25	0	21.83	21.87	21.92	23.5
		25	13	21.82	21.87	21.89	23.5
		25	25	21.82	21.88	21.87	23.5
		50	0	21.81	21.87	21.89	23.5
	16QAM	1	0	22.1	21.99	22.17	23.5
		1	25	21.99	21.98	22.05	23.5
		1	49	22.06	22.13	22.03	23.5
		25	0	20.78	20.76	20.84	22.5
		25	13	20.77	20.8	20.78	22.5
		25	25	20.78	20.83	20.84	22.5
		50	0	20.79	20.78	20.8	22.5

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	64QAM	1	0	21.72	21.63	21.62	22.5
		1	25	21.28	21.42	21.4	22.5
		1	49	21.53	21.68	21.58	22.5
		25	0	20.42	20.4	20.47	21.5
		25	13	20.39	20.46	20.43	21.5
		25	25	20.4	20.43	20.42	21.5
		50	0	20.36	20.44	20.42	21.5

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LTE Band 7 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	22.69	22.71	22.67	23.8
		1	13	22.68	22.71	22.7	23.8
		1	24	22.71	22.75	22.64	23.8
		12	0	21.18	21.2	21.2	22.8
		12	6	21.11	21.17	21.11	22.8
		12	13	21.19	21.21	21.2	22.8
		25	0	21.17	21.2	21.15	22.8
	16QAM	1	0	21.47	21.55	21.5	22.8
		1	13	21.42	21.5	21.5	22.8
		1	24	21.49	21.57	21.36	22.8
		12	0	20.16	20.21	20.17	21.8
		12	6	20.14	20.14	20.12	21.8
		12	13	20.19	20.23	20.15	21.8
		25	0	20.13	20.13	20.08	21.8
	64QAM	1	0	20.75	20.45	20.63	21.8
		1	13	20.24	19.93	20.11	21.8
		1	24	20.84	20.65	20.45	21.8
		12	0	19.64	19.18	19.18	20.8
		12	6	19.5	19.3	19.14	20.8
		12	13	19.54	19.26	19.27	20.8
		25	0	19.58	19.23	19.14	20.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	22.64	22.66	22.65	23.8
		1	25	22.68	22.46	22.39	23.8
		1	49	22.71	22.67	22.64	23.8
		25	0	21.16	21.24	21.17	22.8
		25	13	21.15	21.18	21.1	22.8
		25	25	21.2	21.22	21.21	22.8
		50	0	21.18	21.2	21.13	22.8
	16QAM	1	0	21.31	21.48	21.48	22.8
		1	25	21.32	21.34	21.25	22.8
		1	49	21.47	21.58	21.53	22.8
		25	0	20.13	20.2	20.11	21.8
		25	13	20.13	20.13	20.09	21.8
		25	25	20.14	20.15	20.11	21.8
		50	0	20.1	20.14	20.09	21.8
	64QAM	1	0	20.8	20.57	20.63	21.8
		1	25	20.14	20.06	20.11	21.8
		1	49	20.67	20.51	20.39	21.8
		25	0	19.47	19.18	19.18	20.8

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		25	13	19.59	19.28	19.12	20.8
		25	25	19.47	19.16	19.13	20.8
		50	0	19.64	19.26	19.09	20.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	22.66	22.64	22.63	23.8
		1	38	22.77	22.78	22.7	23.8
		1	74	22.71	22.74	22.7	23.8
		36	0	21.21	21.24	21.22	22.8
		36	18	21.26	21.27	21.23	22.8
		36	39	21.24	21.25	21.25	22.8
		75	0	21.24	21.24	21.22	22.8
	16QAM	1	0	21.41	21.41	21.42	22.8
		1	38	21.43	21.53	21.49	22.8
		1	74	21.51	21.46	21.5	22.8
		36	0	20.2	20.23	20.13	21.8
		36	18	20.19	20.18	20.16	21.8
		36	39	20.24	20.24	20.19	21.8
		75	0	20.16	20.19	20.16	21.8
	64QAM	1	0	20.77	20.42	20.62	21.8
		1	38	20.31	19.91	19.95	21.8
		1	74	20.67	20.59	20.44	21.8
		36	0	19.5	19.34	19.14	20.8
		36	18	19.5	19.15	19.09	20.8
		36	39	19.56	19.27	19.09	20.8
		75	0	19.51	19.19	19.14	20.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	22.74	22.77	22.79	23.8
		1	50	22.48	22.2	22.25	23.8
		1	99	22.82	22.86	22.83	23.8
		50	0	21.21	21.29	21.16	22.8
		50	25	21.17	21.23	21.14	22.8
		50	50	21.2	21.23	21.24	22.8
		100	0	21.23	21.28	21.18	22.8
	16QAM	1	0	21.44	21.49	21.53	22.8
		1	50	20.98	20.94	21.14	22.8
		1	99	21.56	21.69	21.58	22.8
		50	0	20.16	20.21	20.13	21.8
		50	25	20.12	20.14	20.13	21.8
		50	50	20.19	20.21	20.16	21.8
		100	0	20.17	20.18	20.09	21.8

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	64QAM	1	0	20.82	20.58	20.67	21.8
		1	50	20.33	20.1	20.13	21.8
		1	99	20.86	20.69	20.53	21.8
		50	0	19.65	19.36	19.29	20.8
		50	25	19.64	19.34	19.25	20.8
		50	50	19.67	19.34	19.28	20.8
		100	0	19.65	19.34	19.25	20.8

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LTE Band 7 Hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	19.64	19.74	19.67	20.8
		1	13	19.74	19.73	19.7	20.8
		1	24	19.76	19.71	19.72	20.8
		12	0	19.74	19.75	19.71	20.8
		12	6	19.71	19.77	19.57	20.8
		12	13	19.71	19.81	19.71	20.8
		25	0	19.7	19.71	19.68	20.8
	16QAM	1	0	19.94	20.07	19.94	20.8
		1	13	19.97	20.12	20.05	20.8
		1	24	19.98	20.02	19.89	20.8
		12	0	19.69	19.78	19.77	20.8
		12	6	19.68	19.71	19.74	20.8
		12	13	19.73	19.74	19.72	20.8
		25	0	19.66	19.69	19.64	20.8
	64QAM	1	0	19.66	19.66	19.66	20.8
		1	13	19.66	19.66	19.66	20.8
		1	24	19.66	19.66	19.66	20.8
		12	0	19.66	19.66	19.66	20.8
		12	6	19.66	19.66	19.66	20.8
		12	13	19.66	19.66	19.66	20.8
		25	0	19.66	19.66	19.66	20.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	19.63	19.7	19.66	20.8
		1	25	19.14	19.45	19.5	20.8
		1	49	19.72	19.7	19.69	20.8
		25	0	19.73	19.76	19.7	20.8
		25	13	19.74	19.73	19.71	20.8
		25	25	19.73	19.78	19.73	20.8
		50	0	19.68	19.74	19.7	20.8
	16QAM	1	0	20.08	19.98	20.02	20.8
		1	25	19.64	19.61	19.81	20.8
		1	49	19.96	20.08	19.98	20.8
		25	0	19.66	19.65	19.66	20.8
		25	13	19.67	19.69	19.64	20.8
		25	25	19.68	19.71	19.68	20.8
		50	0	19.63	19.68	19.62	20.8
	64QAM	1	0	19.66	19.66	19.66	20.8
		1	25	19.66	19.66	19.66	20.8
		1	49	19.66	19.66	19.66	20.8
		25	0	19.66	19.66	19.66	20.8

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		25	13	19.66	19.66	19.66	20.8
		25	25	19.66	19.66	19.66	20.8
		50	0	19.66	19.66	19.66	20.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	19.67	19.58	19.65	20.8
		1	38	19.72	19.79	19.73	20.8
		1	74	19.71	19.76	19.74	20.8
		36	0	19.77	19.84	19.74	20.8
		36	18	19.78	19.76	19.76	20.8
		36	39	19.81	19.82	19.78	20.8
		75	0	19.76	19.79	19.77	20.8
	16QAM	1	0	19.95	19.93	19.92	20.8
		1	38	20.14	20.1	20.04	20.8
		1	74	20.08	20.08	20.05	20.8
		36	0	19.69	19.77	19.71	20.8
		36	18	19.72	19.73	19.71	20.8
		36	39	19.71	19.78	19.73	20.8
		75	0	19.67	19.73	19.68	20.8
	64QAM	1	0	19.66	19.66	19.66	20.8
		1	38	19.66	19.66	19.66	20.8
		1	74	19.66	19.66	19.66	20.8
		36	0	19.66	19.66	19.66	20.8
		36	18	19.66	19.66	19.66	20.8
		36	39	19.66	19.66	19.66	20.8
		75	0	19.66	19.66	19.66	20.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	19.78	19.72	19.8	20.8
		1	50	19.35	19.4	19.19	20.8
		1	99	19.81	19.86	19.82	20.8
		50	0	19.73	19.79	19.68	20.8
		50	25	19.69	19.74	19.68	20.8
		50	50	19.7	19.75	19.76	20.8
		100	0	19.73	19.78	19.71	20.8
	16QAM	1	0	19.95	19.97	20.1	20.8
		1	50	19.66	19.82	19.67	20.8
		1	99	20.06	20.19	20.04	20.8
		50	0	19.64	19.71	19.61	20.8
		50	25	19.62	19.68	19.59	20.8
		50	50	19.68	19.71	19.68	20.8
		100	0	19.67	19.72	19.65	20.8

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	64QAM	1	0	19.76	19.95	19.85	20.8
		1	50	19.28	19.4	19.32	20.8
		1	99	19.89	19.99	19.88	20.8
		50	0	19.52	19.71	19.57	20.8
		50	25	19.48	19.67	19.53	20.8
		50	50	19.52	19.66	19.53	20.8
		100	0	19.54	19.65	19.51	20.8

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LTE Band 12 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	22.85	22.8	22.83	24
		1	2	22.15	22.22	22.31	24
		1	5	22.87	22.81	22.84	24
		3	0	22.89	22.73	22.68	24
		3	2	22.69	22.6	22.52	24
		3	3	22.77	22.48	22.6	24
		6	0	21.72	21.75	21.78	23
	16QAM	1	0	22.15	22.03	22.08	23
		1	2	21.85	21.6	21.67	23
		1	5	22.14	22.09	22.03	23
		3	0	21.83	21.78	21.86	23
		3	2	21.8	21.58	21.54	23
		3	3	21.84	21.83	21.7	23
		6	0	20.8	20.79	20.79	22
	64QAM	1	0	20.98	20.95	20.82	22
		1	2	20.62	20.68	20.68	22
		1	5	20.82	20.86	20.97	22
		3	0	21	21.06	20.89	22
		3	2	20.75	20.72	20.69	22
		3	3	20.95	20.93	20.88	22
		6	0	19.7	19.83	19.73	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	22.91	22.79	22.9	24
		1	7	22.3	22.18	22.37	24
		1	14	22.82	22.83	22.85	24
		8	0	21.84	21.74	21.9	23
		8	4	21.78	21.8	21.77	23
		8	7	21.72	21.79	21.72	23
		15	0	21.76	21.82	21.84	23
	16QAM	1	0	22.16	22.07	22.05	23
		1	7	21.77	21.85	21.85	23
		1	14	22.19	22.14	22.11	23
		8	0	20.75	20.74	20.74	22
		8	4	20.79	20.72	20.81	22
		8	7	20.7	20.73	20.73	22
		15	0	20.73	20.78	20.79	22
	64QAM	1	0	21.11	20.93	20.82	22
		1	7	20.68	20.68	20.66	22
		1	14	20.79	20.89	21.01	22
		8	0	19.74	19.76	19.71	21

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		8	4	19.68	19.67	19.79	21
		8	7	19.71	19.64	19.69	21
		15	0	19.66	19.81	19.81	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	23.03	22.91	22.93	24
		1	13	22.95	22.93	22.9	24
		1	24	22.93	22.92	22.92	24
		12	0	21.95	21.86	21.84	23
		12	6	21.85	21.87	21.79	23
		12	13	21.9	21.9	21.99	23
		25	0	21.86	21.84	21.84	23
	16QAM	1	0	22.21	22.15	22.08	23
		1	13	22.21	22.06	22.19	23
		1	24	22.27	22.21	22.04	23
		12	0	20.92	20.86	20.81	22
		12	6	20.86	20.86	20.78	22
		12	13	20.92	20.85	20.94	22
		25	0	20.77	20.73	20.79	22
	64QAM	1	0	21	20.91	20.84	22
		1	13	20.77	20.69	20.62	22
		1	24	20.97	20.85	20.94	22
		12	0	19.76	19.74	19.85	21
		12	6	19.69	19.61	19.71	21
		12	13	19.75	19.73	19.81	21
		25	0	19.75	19.71	19.74	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	22.9	22.86	22.81	24
		1	25	22.59	22.6	22.78	24
		1	49	22.9	22.96	22.97	24
		25	0	21.87	21.85	21.87	23
		25	13	21.89	21.84	21.88	23
		25	25	21.85	21.87	21.91	23
		50	0	21.87	21.9	21.91	23
	16QAM	1	0	22.28	22.15	22.11	23
		1	25	22.06	22.15	21.92	23
		1	49	22.25	22.19	22.12	23
		25	0	20.81	20.77	20.79	22
		25	13	20.83	20.77	20.81	22
		25	25	20.81	20.81	20.85	22
		50	0	20.77	20.88	20.87	22

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	64QAM	1	0	21.16	21.07	20.94	22
		1	25	20.78	20.76	20.72	22
		1	49	20.97	21	21.06	22
		25	0	19.86	19.82	19.88	21
		25	13	19.83	19.77	19.82	21
		25	25	19.76	19.81	19.85	21
		50	0	19.8	19.84	19.86	21

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LTE Band 17 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	22.9	22.84	22.84	24
		1	13	22.88	22.91	22.84	24
		1	24	22.88	22.87	22.94	24
		12	0	21.89	21.88	21.84	23
		12	6	21.9	21.85	21.76	23
		12	13	21.93	21.91	21.82	23
		25	0	21.87	21.86	21.82	23
	16QAM	1	0	22.11	22.04	21.93	23
		1	13	22.15	22.17	22.21	23
		1	24	22.19	22.02	22.11	23
		12	0	20.85	20.86	20.87	22
		12	6	20.84	20.8	20.75	22
		12	13	20.88	20.92	20.86	22
		25	0	20.81	20.74	20.76	22
	64QAM	1	0	21.01	20.93	20.87	22
		1	13	20.51	20.79	20.6	22
		1	24	20.79	20.95	21.02	22
		12	0	19.71	19.72	19.74	21
		12	6	19.7	19.79	19.65	21
		12	13	19.75	19.69	19.6	21
		25	0	19.8	19.77	19.64	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	22.8	22.9	22.8	24
		1	25	22.68	22.58	22.73	24
		1	49	22.91	22.86	22.98	24
		25	0	21.87	21.86	21.8	23
		25	13	21.85	21.83	21.84	23
		25	25	21.87	21.87	21.88	23
		50	0	21.87	21.91	21.84	23
	16QAM	1	0	22.12	22.15	22.05	23
		1	25	22.11	21.94	21.93	23
		1	49	22.15	22.13	22.2	23
		25	0	20.79	20.78	20.75	22
		25	13	20.82	20.77	20.81	22
		25	25	20.84	20.86	20.82	22
		50	0	20.84	20.88	20.83	22

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	64QAM	1	0	21.1	21.08	20.98	22
		1	25	20.7	20.81	20.77	22
		1	49	20.89	21.03	21.08	22
		25	0	19.86	19.83	19.82	21
		25	13	19.8	19.79	19.81	21
		25	25	19.85	19.82	19.79	21
		50	0	19.81	19.86	19.81	21

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LTE Band 26 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	22.73	22.12	22.04	24
		1	2	22.09	22.2	22.25	24
		1	5	22.85	22.84	22.89	24
		3	0	22.08	22.15	22.02	24
		3	2	22.53	22.69	22.52	24
		3	3	22.67	22.63	22.64	24
		6	0	21.26	21.3	21.23	23
	16QAM	1	0	21.14	21.19	21.08	23
		1	2	21.91	21.68	21.74	23
		1	5	22.05	22.12	22.11	23
		3	0	20.53	20.72	20.77	23
		3	2	21.61	21.68	21.63	23
		3	3	21.9	21.76	21.74	23
		6	0	20.26	20.26	20.33	22
	64QAM	1	0	21.01	20.89	21.04	22
		1	2	20.96	21.04	21.16	22
		1	5	21.02	21.06	21.07	22
		3	0	21.08	21	20.96	22
		3	2	21.04	21.1	21.05	22
		3	3	20.92	20.94	20.93	22
		6	0	19.74	19.78	19.86	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	22.92	22.96	22.96	24
		1	7	22.58	22.3	22.34	24
		1	14	22.83	22.9	22.92	24
		8	0	21.29	21.31	21.26	23
		8	4	21.28	21.19	21.23	23
		8	7	21.31	21.32	21.35	23
		15	0	21.33	21.33	21.28	23
	16QAM	1	0	22.13	22.06	22.04	23
		1	7	21.79	21.99	21.69	23
		1	14	22.07	22.03	22.06	23
		8	0	20.25	20.27	20.24	22
		8	4	20.26	20.21	20.16	22
		8	7	20.21	20.24	20.12	22
		15	0	20.24	20.32	20.26	22
	64QAM	1	0	20.99	20.9	20.97	22

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		1	7	21.07	21.1	21.17	22
		1	14	21.02	21.04	21.01	22
		8	0	19.93	19.81	19.96	21
		8	4	19.85	19.85	19.8	21
		8	7	19.81	19.84	19.95	21
		15	0	19.81	19.82	19.82	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	22.92	22.96	22.92	24
		1	13	22.88	22.92	22.89	24
		1	24	22.93	22.88	22.9	24
		12	0	21.36	21.35	21.35	23
		12	6	21.38	21.28	21.24	23
		12	13	21.39	21.38	21.33	23
		25	0	21.34	21.37	21.31	23
	16QAM	1	0	22.1	22.23	22.13	23
		1	13	22.1	22.13	22.17	23
		1	24	22.11	22.14	22.16	23
		12	0	20.34	20.37	20.37	22
		12	6	20.31	20.32	20.32	22
		12	13	20.36	20.38	20.33	22
		25	0	20.22	20.28	20.21	22
	64QAM	1	0	20.99	20.99	20.97	22
		1	13	21.01	21.1	21.16	22
		1	24	20.99	20.95	20.92	22
		12	0	19.85	19.8	19.82	21
		12	6	19.86	19.84	19.95	21
		12	13	19.9	19.8	19.95	21
		25	0	19.73	19.85	19.86	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26750	26865	26990	
10MHz	QPSK	1	0	22.84	22.87	22.87	24
		1	25	22.74	22.69	22.7	24
		1	49	22.87	22.84	22.88	24
		25	0	21.41	21.37	21.35	23
		25	13	21.34	21.37	21.34	23
		25	25	21.31	21.37	21.35	23
		50	0	21.36	21.34	21.35	23
	16QAM	1	0	22.01	22.03	22.06	23
		1	25	22	22.09	21.9	23
		1	49	21.97	22.04	22.12	23
		25	0	20.35	20.31	20.31	22

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		25	13	20.28	20.35	20.31	22
		25	25	20.29	20.28	20.26	22
		50	0	20.24	20.3	20.29	22
	64QAM	1	0	20.97	20.92	21	22
		1	25	21.08	20.96	21.11	22
		1	49	21.01	21	21.04	22
		25	0	19.92	19.92	19.82	21
		25	13	19.8	19.87	19.95	21
		25	25	19.8	19.76	19.87	21
		50	0	19.85	19.85	19.82	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26775	26865	26965	
15MHz	QPSK	1	0	22.9	22.81	22.89	24
		1	38	22.94	22.88	22.93	24
		1	74	22.89	22.84	22.82	24
		36	0	21.42	21.43	21.45	23
		36	18	21.45	21.42	21.41	23
		36	39	21.39	21.41	21.4	23
		75	0	21.37	21.4	21.36	23
	16QAM	1	0	22.01	22.14	22.09	23
		1	38	22.16	22.05	22.16	23
		1	74	22.08	22.06	21.99	23
		36	0	20.4	20.36	20.39	22
		36	18	20.33	20.38	20.33	22
		36	39	20.39	20.33	20.35	22
		75	0	20.28	20.34	20.31	22
	64QAM	1	0	21.13	21.05	21.1	22
		1	38	21.11	21.11	21.19	22
		1	74	21.04	21.09	21.07	22
		36	0	19.94	19.96	19.96	21
		36	18	19.95	19.94	19.95	21
		36	39	19.93	19.91	19.98	21
		75	0	19.89	19.91	19.91	21

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LTE Band 38 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	23.16	23.2	23.22	24
		1	13	23.1	23.15	23.21	24
		1	24	23.19	23.11	23.28	24
		12	0	22.22	22.21	22.32	23
		12	6	22.15	22.15	22.2	23
		12	13	22.23	22.21	22.26	23
		25	0	22.08	22.1	22.2	23
	16QAM	1	0	22.08	22.1	22.12	23
		1	13	22.14	22.19	22.11	23
		1	24	22.1	22.16	22.16	23
		12	0	21.14	21.14	21.26	22
		12	6	21.13	21.1	21.21	22
		12	13	21.14	21.11	21.21	22
		25	0	21.1	21.08	21.21	22
	64QAM	1	0	21.71	21.78	21.8	22
		1	13	21.16	21.19	21.3	22
		1	24	21.68	21.7	21.45	22
		12	0	20.48	20.6	20.68	21
		12	6	20.41	20.53	20.52	21
		12	13	20.42	20.48	20.76	21
		25	0	20.37	20.6	20.53	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	23.17	23.1	23.22	24
		1	25	22.16	22.11	22.41	24
		1	49	23.15	23.19	23.22	24
		25	0	22.16	22.22	22.16	23
		25	13	22.13	22.17	22.23	23
		25	25	22.18	22.2	22.28	23
		50	0	22.14	22.16	22.26	23
	16QAM	1	0	22.13	22.14	22.35	23
		1	25	22	22.04	22.13	23
		1	49	22.17	22.24	22.38	23
		25	0	21.11	21.09	21.15	22
		25	13	21.04	21.05	21.18	22
		25	25	21.1	21.04	21.22	22
		50	0	21.08	21.08	21.16	22
	64QAM	1	0	21.66	21.62	21.74	22
		1	25	21.28	21.31	21.29	22
		1	49	21.64	21.6	21.45	22
		25	0	20.48	20.52	20.57	21
		25	13	20.42	20.45	20.62	21

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		25	25	20.46	20.52	20.62	21
		50	0	20.44	20.55	20.51	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	23.12	23.04	23.14	24
		1	38	23.18	23.19	23.2	24
		1	74	23.1	23.13	23.24	24
		36	0	22.22	22.12	22.27	23
		36	18	22.2	22.18	22.22	23
		36	39	22.2	22.24	22.21	23
		75	0	22.09	22.2	22.18	23
	16QAM	1	0	22.12	22.05	22.19	23
		1	38	22.15	22.2	22.24	23
		1	74	22.1	22.21	22.4	23
		36	0	21.1	21.02	21.2	22
		36	18	21.16	21.06	21.17	22
		36	39	21.11	21.16	21.22	22
		75	0	21.07	21.04	21.13	22
	64QAM	1	0	21.71	21.65	21.77	22
		1	38	21.33	21.25	21.2	22
		1	74	21.69	21.68	21.47	22
		36	0	20.54	20.59	20.63	21
		36	18	20.43	20.55	20.6	21
		36	39	20.41	20.62	20.63	21
		75	0	20.46	20.45	20.63	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	22.17	22.73	22.83	24
		1	50	22.66	22.77	22.92	24
		1	99	22.71	22.71	22.22	24
		50	0	22.12	22.12	22.18	23
		50	25	22.09	22.19	22.16	23
		50	50	22.1	22.21	22.24	23
		100	0	22.1	22.17	22.2	23
	16QAM	1	0	21.99	22.13	22.21	23
		1	50	22.01	21.81	22.06	23
		1	99	22.28	22.26	22.03	23
		50	0	21.05	21.01	21.08	22
		50	25	20.98	20.99	21.06	22
		50	50	21.01	21.08	21.15	22
		100	0	20.98	21.06	21.08	22

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	64QAM	1	0	21.74	21.8	21.92	22
		1	50	21.33	21.36	21.34	22
		1	99	21.77	21.76	21.63	22
		50	0	20.6	20.66	20.74	21
		50	25	20.55	20.59	20.66	21
		50	50	20.59	20.63	20.76	21
		100	0	20.53	20.62	20.68	21

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LTE Band 38 Hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	21.2	21.22	21.28	22
		1	13	21.18	21.21	21.33	22
		1	24	21.2	21.25	21.32	22
		12	0	21.26	21.23	21.38	22
		12	6	21.17	21.14	21.28	22
		12	13	21.28	21.29	21.36	22
		25	0	21.2	21.2	21.31	22
	16QAM	1	0	21.36	21.36	21.45	22
		1	13	21.41	21.39	21.47	22
		1	24	21.42	21.39	21.37	22
		12	0	21.17	21.15	21.3	22
		12	6	21.14	21.15	21.3	22
		12	13	21.2	21.12	21.27	22
		25	0	21.11	21.1	21.23	22
	64QAM	1	0	20.68	20.83	20.64	22
		1	13	20.07	20.14	20.16	22
		1	24	20.59	20.7	20.67	22
		12	0	20.53	20.53	20.63	21
		12	6	20.44	20.49	20.61	21
		12	13	20.58	20.58	20.6	21
		25	0	20.53	20.65	20.68	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	21.2	21.13	21.29	22
		1	25	21.01	21.03	21.02	22
		1	49	21.26	21.22	21.24	22
		25	0	21.24	21.19	21.24	22
		25	13	21.18	21.2	21.32	22
		25	25	21.21	21.23	21.33	22
		50	0	21.17	21.21	21.35	22
	16QAM	1	0	21.19	21.1	21.27	22
		1	25	20.7	21.01	20.92	22
		1	49	21.22	21.23	21.26	22
		25	0	21.19	21.17	21.26	22
		25	13	21.14	21.11	21.26	22
		25	25	21.16	21.16	21.27	22
		50	0	21.11	21.08	21.23	22
	64QAM	1	0	20.66	20.88	20.6	22
		1	25	20.03	20.2	20.08	22
		1	49	20.58	20.66	20.65	22
		25	0	20.54	20.56	20.6	21
		25	13	20.5	20.5	20.65	21

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		25	25	20.59	20.67	20.67	21
		50	0	20.53	20.55	20.58	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	21.2	21.1	21.18	22
		1	38	21.27	21.24	21.26	22
		1	74	21.17	21.16	21.3	22
		36	0	21.25	21.2	21.31	22
		36	18	21.29	21.21	21.29	22
		36	39	21.24	21.32	21.32	22
		75	0	21.25	21.18	21.24	22
	16QAM	1	0	21.4	21.14	21.28	22
		1	38	21.39	21.15	21.27	22
		1	74	21.38	21.14	21.29	22
		36	0	21.17	21.18	21.22	22
		36	18	21.25	21.12	21.23	22
		36	39	21.2	21.23	21.29	22
		75	0	21.15	21.15	21.17	22
	64QAM	1	0	20.58	20.85	20.74	22
		1	38	20.02	20.09	20.1	22
		1	74	20.65	20.76	20.67	22
		36	0	20.62	20.61	20.58	21
		36	18	20.54	20.6	20.54	21
		36	39	20.49	20.61	20.64	21
		75	0	20.51	20.64	20.63	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	21.24	21.19	21.26	22
		1	50	19.92	20.11	20.18	22
		1	99	21.28	21.26	21.38	22
		50	0	21.22	21.22	21.25	22
		50	25	21.19	21.17	21.25	22
		50	50	21.17	21.25	21.32	22
		100	0	21.17	21.22	21.27	22
	16QAM	1	0	21.25	21.35	21.55	22
		1	50	21.03	21.14	21.06	22
		1	99	21.31	21.47	21.61	22
		50	0	21.13	21.15	21.19	22
		50	25	21.12	21.07	21.18	22
		50	50	21.14	21.2	21.25	22
		100	0	21.09	21.18	21.18	22

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	64QAM	1	0	20.71	20.89	20.74	22
		1	50	20.08	20.24	20.23	22
		1	99	20.72	20.77	20.78	22
		50	0	20.65	20.66	20.71	21
		50	25	20.58	20.61	20.68	21
		50	50	20.61	20.69	20.72	21
		100	0	20.62	20.66	20.69	21

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LTE Band 41 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40165	40690	41215	
5MHz	QPSK	1	0	23.12	23.19	23.19	24
		1	13	23.08	23.11	23.12	24
		1	24	23.12	23.21	23.16	24
		12	0	22.13	22.26	22.26	23
		12	6	22.11	22.19	22.16	23
		12	13	22.18	22.21	22.25	23
		25	0	22.1	22.21	22.2	23
	16QAM	1	0	21.58	21.88	21.66	23
		1	13	21.55	21.86	21.66	23
		1	24	21.59	21.79	21.66	23
		12	0	21.1	21.16	21.17	22
		12	6	21.04	21.12	21.17	22
		12	13	21.06	21.2	21.14	22
		25	0	21.08	21.1	21.12	22
	64QAM	1	0	21.34	21.36	21.63	22
		1	13	21.6	21.55	21.38	22
		1	24	21.35	21.41	21.49	22
		12	0	20.6	20.76	20.69	21
		12	6	20.52	20.56	20.6	21
		12	13	20.5	20.7	20.56	21
		25	0	20.56	20.62	20.59	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40190	40690	41190	
10MHz	QPSK	1	0	23.22	23.26	23.15	24
		1	25	22.32	22.09	22.24	24
		1	49	23.05	23.27	23.27	24
		25	0	22.12	22.25	22.18	23
		25	13	22.14	22.18	22.18	23
		25	25	22.17	22.31	22.27	23
		50	0	22.14	22.19	22.19	23
	16QAM	1	0	21.69	21.77	21.69	23
		1	25	21.3	21.5	21.42	23
		1	49	21.73	21.81	21.75	23
		25	0	21.12	21.17	21.2	22
		25	13	21.03	21.18	21.19	22
		25	25	21.13	21.19	21.19	22
		50	0	21	21.11	21.14	22
	64QAM	1	0	21.34	21.35	21.64	22
		1	25	21.57	21.41	21.31	22
		1	49	21.35	21.38	21.53	22
		25	0	20.68	20.66	20.69	21
		25	13	20.47	20.64	20.52	21

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		25	25	20.62	20.69	20.53	21
		50	0	20.5	20.62	20.57	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40215	40690	41165	
15MHz	QPSK	1	0	23.26	23.25	23.23	24
		1	38	23.16	23.24	23.24	24
		1	74	23.1	23.25	23.35	24
		36	0	22.23	22.32	22.3	23
		36	18	22.21	22.2	22.17	23
		36	39	22.22	22.28	22.3	23
		75	0	22.13	22.19	22.24	23
	16QAM	1	0	21.74	21.81	21.73	23
		1	38	21.78	21.69	21.7	23
		1	74	21.65	21.79	21.76	23
		36	0	21.17	21.23	21.21	22
		36	18	21.17	21.16	21.11	22
		36	39	21.13	21.24	21.17	22
		75	0	21.09	21.15	21.11	22
	64QAM	1	0	21.25	21.34	21.65	22
		1	38	21.66	21.47	21.41	22
		1	74	21.38	21.29	21.4	22
		36	0	20.64	20.66	20.66	21
		36	18	20.49	20.65	20.58	21
		36	39	20.53	20.71	20.65	21
		75	0	20.57	20.65	20.71	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40240	40690	41140	
20MHz	QPSK	1	0	23.36	23.35	23.28	24
		1	50	22.6	22.27	22.32	24
		1	99	23.24	23.41	23.36	24
		50	0	22.17	22.24	22.28	23
		50	25	22.06	22.13	22.18	23
		50	50	22.16	22.23	22.17	23
		100	0	22.11	22.25	22.24	23
	16QAM	1	0	21.77	21.9	21.9	23
		1	50	21.03	21.41	21.25	23
		1	99	21.92	21.97	21.94	23
		50	0	21.05	21.18	21.16	22
		50	25	20.98	21.11	21.08	22
		50	50	21.08	21.24	21.17	22
		100	0	21.1	21.12	21.13	22

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	64QAM	1	0	21.42	21.46	21.67	22
		1	50	21.66	21.58	21.43	22
		1	99	21.5	21.46	21.54	22
		50	0	20.73	20.8	20.72	21
		50	25	20.62	20.69	20.65	21
		50	50	20.66	20.76	20.68	21
		100	0	20.64	20.77	20.72	21

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LTE Band 41 Hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40165	40690	41215	
5MHz	QPSK	1	0	21.2	21.29	21.27	22
		1	13	21.18	21.25	21.26	22
		1	24	21.12	21.32	21.29	22
		12	0	21.27	21.37	21.33	22
		12	6	21.19	21.14	21.22	22
		12	13	21.26	21.3	21.28	22
		25	0	21.23	21.32	21.32	22
	16QAM	1	0	21.18	21.2	21.27	22
		1	13	21.17	21.21	21.25	22
		1	24	21.22	21.29	21.29	22
		12	0	21.17	21.23	21.21	22
		12	6	21.13	21.19	21.24	22
		12	13	21.12	21.21	21.2	22
		25	0	21.16	21.2	21.19	22
	64QAM	1	0	20.74	20.89	20.98	22
		1	13	20.44	20.7	20.41	22
		1	24	20.74	20.91	20.95	22
		12	0	20.69	20.72	20.77	21
		12	6	20.5	20.68	20.55	21
		12	13	20.5	20.76	20.66	21
		25	0	20.56	20.61	20.56	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40190	40690	41190	
10MHz	QPSK	1	0	21.2	21.3	21.23	22
		1	25	20.14	20.04	20.07	22
		1	49	21.23	21.32	21.3	22
		25	0	21.23	21.28	21.29	22
		25	13	21.19	21.24	21.26	22
		25	25	21.21	21.31	21.3	22
		50	0	21.17	21.27	21.28	22
	16QAM	1	0	21.29	21.22	21.37	22
		1	25	21.04	20.93	20.91	22
		1	49	21.28	21.29	21.36	22
		25	0	21.17	21.2	21.16	22
		25	13	21.08	21.18	21.19	22
		25	25	21.14	21.21	21.19	22
		50	0	21.13	21.2	21.19	22
	64QAM	1	0	20.82	20.9	20.89	22
		1	25	20.52	20.57	20.45	22
		1	49	20.63	20.93	20.93	22
		25	0	20.61	20.83	20.76	21
		25	13	20.6	20.7	20.54	21

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		25	25	20.58	20.73	20.67	21
		50	0	20.47	20.58	20.64	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40215	40690	41165	
15MHz	QPSK	1	0	21.25	21.35	21.37	22
		1	38	21.23	21.25	21.25	22
		1	74	21.24	21.38	21.29	22
		36	0	21.33	21.32	21.33	22
		36	18	21.25	21.29	21.25	22
		36	39	21.24	21.36	21.28	22
		75	0	21.23	21.28	21.31	22
	16QAM	1	0	21.43	21.38	21.29	22
		1	38	21.35	21.19	21.18	22
		1	74	21.37	21.4	21.32	22
		36	0	21.25	21.27	21.26	22
		36	18	21.22	21.24	21.25	22
		36	39	21.22	21.29	21.23	22
		75	0	21.18	21.17	21.25	22
	64QAM	1	0	20.77	20.83	20.91	22
		1	38	20.49	20.54	20.42	22
		1	74	20.68	20.95	20.84	22
		36	0	20.71	20.68	20.71	21
		36	18	20.53	20.51	20.59	21
		36	39	20.64	20.72	20.7	21
		75	0	20.62	20.61	20.5	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40240	40690	41140	
20MHz	QPSK	1	0	21.43	21.52	21.47	22
		1	50	20.04	20.03	20.25	22
		1	99	21.37	21.5	21.49	22
		50	0	21.3	21.32	21.3	22
		50	25	21.17	21.27	21.27	22
		50	50	21.24	21.35	21.33	22
		100	0	21.24	21.31	21.33	22
	16QAM	1	0	21.51	21.64	21.62	22
		1	50	21.04	21.15	21.05	22
		1	99	21.55	21.68	21.63	22
		50	0	21.15	21.25	21.26	22
		50	25	21.1	21.15	21.15	22
		50	50	21.19	21.29	21.24	22
		100	0	21.17	21.23	21.24	22

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	64QAM	1	0	20.89	21.01	21.01	22
		1	50	20.63	20.72	20.53	22
		1	99	20.78	21	21.02	22
		50	0	20.73	20.84	20.79	21
		50	25	20.61	20.7	20.61	21
		50	50	20.69	20.77	20.74	21
		100	0	20.65	20.74	20.66	21

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8.1.2 Conducted Power of Second Antenna

8.1.2.1 Conducted Power Of GSM

GSM 850 Receiver on(Left head)										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	28.06	28.18	28.14	29.3	-9.19	18.87	18.99	18.95	20.11
GPRS/EGPRS (GMSK)	1 TX Slot	28.14	28.21	28.19	29.3	-9.19	18.95	19.02	19	20.11
	2 TX Slots	26.1	26.23	26.18	27.3	-6.18	19.92	20.05	20	21.12
	3 TX Slots	23.96	24.08	24.04	25.3	-4.42	19.54	19.66	19.62	20.88
	4 TX Slots	21.91	22.08	22.01	23.3	-3.17	18.74	18.91	18.84	20.13
EGPRS(8PSK)	1 TX Slot	22.46	22.53	22.56	23.3	-9.19	13.27	13.34	13.37	14.11
	2 TX Slots	20.48	20.61	20.63	21.3	-6.18	14.3	14.43	14.45	15.12
	3 TX Slots	18.47	18.56	18.58	19.3	-4.42	14.05	14.14	14.16	14.88
	4 TX Slots	16.31	16.46	16.51	17.3	-3.17	13.14	13.29	13.34	14.13
GSM 1900 Receiver on(Left head)										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	26.04	25.93	26.03	26.5	-9.19	16.85	16.74	16.84	17.31
GPRS/EGPRS (GMSK)	1 TX Slot	26.02	25.96	26.02	26.5	-9.19	16.83	16.77	16.83	17.31
	2 TX Slots	23.84	23.67	23.72	24.5	-6.18	17.66	17.49	17.54	18.32
	3 TX Slots	21.69	21.56	21.63	22.5	-4.42	17.27	17.14	17.21	18.08
	4 TX Slots	19.92	19.76	19.78	20.5	-3.17	16.75	16.59	16.61	17.33
EGPRS(8PSK)	1 TX Slot	21.87	21.7	21.79	22.5	-9.19	12.68	12.51	12.6	13.31
	2 TX Slots	19.46	19.46	19.42	19.5	-6.18	13.28	13.28	13.24	13.32
	3 TX Slots	17.47	17.38	17.43	17.5	-4.42	13.05	12.96	13.01	13.08
	4 TX Slots	15.48	15.32	15.4	15.5	-3.17	12.31	12.15	12.23	12.33

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GSM 850 Receiver on(Right head)										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	28.58	28.74	28.67	29.8	-9.19	19.39	19.55	19.48	20.61
GPRS/EGPRS (GMSK)	1 TX Slot	28.68	28.75	28.76	29.8	-9.19	19.49	19.56	19.57	20.61
	2 TX Slots	26.62	26.68	26.64	27.8	-6.18	20.44	20.5	20.46	21.62
	3 TX Slots	24.44	24.56	24.52	25.8	-4.42	20.02	20.14	20.1	21.38
	4 TX Slots	22.41	22.52	22.53	23.8	-3.17	19.24	19.35	19.36	20.63
EGPRS(8PSK)	1 TX Slot	23.01	22.97	23.11	23.8	-9.19	13.82	13.78	13.92	14.61
	2 TX Slots	21.01	21.06	21.19	21.8	-6.18	14.83	14.88	15.01	15.62
	3 TX Slots	18.92	19.12	19.13	19.8	-4.42	14.5	14.7	14.71	15.38
	4 TX Slots	16.76	16.95	16.96	17.8	-3.17	13.59	13.78	13.79	14.63
GSM 1900 Receiver on(Right head)										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	25.52	25.44	25.53	26	-9.19	16.33	16.25	16.34	16.81
GPRS/EGPRS (GMSK)	1 TX Slot	25.53	25.44	25.56	26	-9.19	16.34	16.25	16.37	16.81
	2 TX Slots	23.49	23.42	23.39	24	-6.18	17.31	17.24	17.21	17.82
	3 TX Slots	21.2	21.17	21.24	22	-4.42	16.78	16.75	16.82	17.58
	4 TX Slots	19.37	19.24	19.3	20	-3.17	16.2	16.07	16.13	16.83
EGPRS(8PSK)	1 TX Slot	21.39	21.28	21.33	22	-9.19	12.2	12.09	12.14	12.81
	2 TX Slots	18.96	18.91	18.92	19	-6.18	12.78	12.73	12.74	12.82
	3 TX Slots	16.98	16.94	16.99	17	-4.42	12.56	12.52	12.57	12.58
	4 TX Slots	14.91	14.94	14.92	15	-3.17	11.74	11.77	11.75	11.83

GSM 850 Receiver off (Full power)										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	32.82	32.95	33.02	33.8	-9.19	23.63	23.76	23.83	24.61
GPRS/EGPRS (GMSK)	1 TX Slot	32.78	32.96	33.02	33.8	-9.19	23.59	23.77	23.83	24.61
	2 TX Slots	30.59	30.82	30.91	31.8	-6.18	24.41	24.64	24.73	25.62
	3 TX Slots	28.29	28.54	28.48	29.8	-4.42	23.87	24.12	24.06	25.38
	4 TX Slots	26.29	26.44	26.33	27.8	-3.17	23.12	23.27	23.16	24.63
EGPRS(8PSK)	1 TX Slot	27.02	27.06	27.07	27.8	-9.19	17.83	17.87	17.88	18.61
	2 TX Slots	25.17	25.21	25.31	25.8	-6.18	18.99	19.03	19.13	19.62
	3 TX Slots	22.68	22.81	22.84	23.8	-4.42	18.26	18.39	18.42	19.38
	4 TX Slots	20.65	20.82	20.78	21.8	-3.17	17.48	17.65	17.61	18.63
GSM 1900 Receiver off (Full power)										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	30.19	30.15	30.25	30.5	-9.19	21	20.96	21.06	21.31
GPRS/EGPRS (GMSK)	1 TX Slot	30.17	30.16	30.25	30.5	-9.19	20.98	20.97	21.06	21.31
	2 TX Slots	27.76	27.67	27.84	28.5	-6.18	21.58	21.49	21.66	22.32
	3 TX Slots	25.6	25.46	25.49	26.5	-4.42	21.18	21.04	21.07	22.08
	4 TX Slots	23.45	23.39	23.44	24.5	-3.17	20.28	20.22	20.27	21.33
EGPRS(8PSK)	1 TX Slot	26.19	26	26.1	26.5	-9.19	17	16.81	16.91	17.31
	2 TX Slots	23.41	23.17	23.47	23.5	-6.18	17.23	16.99	17.29	17.32
	3 TX Slots	21.33	21.23	21.29	21.5	-4.42	16.91	16.81	16.87	17.08
	4 TX Slots	19.22	19.21	19.13	19.5	-3.17	16.05	16.04	15.96	16.33

GSM 850 Receiver off + hotspot 2.4G										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	29.58	29.68	29.63	30.8	-9.19	20.39	20.49	20.44	21.61
GPRS/EGPRS (GMSK)	1 TX Slot	29.53	29.62	29.59	30.8	-9.19	20.34	20.43	20.4	21.61
	2 TX Slots	27.42	27.48	27.46	28.8	-6.18	21.24	21.3	21.28	22.62
	3 TX Slots	25.43	25.55	25.43	26.8	-4.42	21.01	21.13	21.01	22.38
	4 TX Slots	23.29	23.45	23.35	24.8	-3.17	20.12	20.28	20.18	21.63
EGPRS(8PSK)	1 TX Slot	23.73	23.74	23.82	24.8	-9.19	14.54	14.55	14.63	15.61
	2 TX Slots	21.76	21.95	21.95	22.8	-6.18	15.58	15.77	15.77	16.62
	3 TX Slots	19.76	19.97	20.01	20.8	-4.42	15.34	15.55	15.59	16.38
	4 TX Slots	17.72	17.88	17.92	18.8	-3.17	14.55	14.71	14.75	15.63
GSM 1900 Receiver off + hotspot 2.4G										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	26.94	26.91	26.98	27.5	-9.19	17.75	17.72	17.79	18.31
GPRS/EGPRS (GMSK)	1 TX Slot	26.98	26.89	26.97	27.5	-9.19	17.79	17.7	17.78	18.31
	2 TX Slots	24.84	24.74	24.78	25.5	-6.18	18.66	18.56	18.6	19.32
	3 TX Slots	22.66	22.56	22.63	23.5	-4.42	18.24	18.14	18.21	19.08
	4 TX Slots	20.63	20.51	20.52	21.5	-3.17	17.46	17.34	17.35	18.33
EGPRS(8PSK)	1 TX Slot	22.77	22.55	22.68	23.5	-9.19	13.58	13.36	13.49	14.31
	2 TX Slots	20.38	20.36	20.41	20.5	-6.18	14.2	14.18	14.23	14.32
	3 TX Slots	18.48	18.43	18.47	18.5	-4.42	14.06	14.01	14.05	14.08
	4 TX Slots	16.29	16.19	16.25	16.5	-3.17	13.12	13.02	13.08	13.33

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GSM 850 Receiver off + hotspot 5G										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	27.53	27.61	27.58	28.8	-9.19	18.34	18.42	18.39	19.61
GPRS/EGPRS (GMSK)	1 TX Slot	27.62	27.67	27.65	28.8	-9.19	18.43	18.48	18.46	19.61
	2 TX Slots	25.45	25.62	25.58	26.8	-6.18	19.27	19.44	19.4	20.62
	3 TX Slots	23.44	23.48	23.43	24.8	-4.42	19.02	19.06	19.01	20.38
	4 TX Slots	21.24	21.34	21.28	22.8	-3.17	18.07	18.17	18.11	19.63
EGPRS(8PSK)	1 TX Slot	21.88	21.99	22.01	22.8	-9.19	12.69	12.8	12.82	13.61
	2 TX Slots	19.93	20.07	20.14	20.8	-6.18	13.75	13.89	13.96	14.62
	3 TX Slots	17.86	17.96	18.01	18.8	-4.42	13.44	13.54	13.59	14.38
	4 TX Slots	15.76	15.93	15.97	16.8	-3.17	12.59	12.76	12.8	13.63
GSM 1900 Receiver off + hotspot 5G										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	24.89	24.78	24.86	25.5	-9.19	15.7	15.59	15.67	16.31
GPRS/EGPRS (GMSK)	1 TX Slot	24.98	24.82	24.91	25.5	-9.19	15.79	15.63	15.72	16.31
	2 TX Slots	22.73	22.63	22.76	23.5	-6.18	16.55	16.45	16.58	17.32
	3 TX Slots	20.68	20.61	20.59	21.5	-4.42	16.26	16.19	16.17	17.08
	4 TX Slots	18.75	18.73	18.72	19.5	-3.17	15.58	15.56	15.55	16.33
EGPRS(8PSK)	1 TX Slot	20.84	20.69	20.73	21.5	-9.19	11.65	11.5	11.54	12.31
	2 TX Slots	18.44	18.42	18.45	18.5	-6.18	12.26	12.24	12.27	12.32
	3 TX Slots	16.39	16.42	16.47	16.5	-4.42	11.97	12	12.05	12.08
	4 TX Slots	14.46	14.33	14.38	14.5	-3.17	11.29	11.16	11.21	11.33

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GSM 850 Receiver on(Left head)+hotspot 2.4G										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	25.15	25.23	25.17	26.3	-9.19	15.96	16.04	15.98	17.11
GPRS/EGPRS (GMSK)	1 TX Slot	25.17	25.3	25.21	26.3	-9.19	15.98	16.11	16.02	17.11
	2 TX Slots	23.09	23.2	23.13	24.3	-6.18	16.91	17.02	16.95	18.12
	3 TX Slots	20.72	20.85	20.81	22.3	-4.42	16.3	16.43	16.39	17.88
	4 TX Slots	18.84	19.04	19.03	20.3	-3.17	15.67	15.87	15.86	17.13
EGPRS(8PSK)	1 TX Slot	19.52	19.66	19.75	20.3	-9.19	10.33	10.47	10.56	11.11
	2 TX Slots	17.41	17.56	17.63	18.3	-6.18	11.23	11.38	11.45	12.12
	3 TX Slots	15.49	15.54	15.57	16.3	-4.42	11.07	11.12	11.15	11.88
	4 TX Slots	13.18	13.78	13.67	14.3	-3.17	10.01	10.61	10.5	11.13
GSM 1900 Receiver on(Left head)+ hotspot 2.4G										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	22.95	22.93	22.94	23.5	-9.19	13.76	13.74	13.75	14.31
GPRS/EGPRS (GMSK)	1 TX Slot	22.97	22.93	22.97	23.5	-9.19	13.78	13.74	13.78	14.31
	2 TX Slots	20.81	20.78	20.81	21.5	-6.18	14.63	14.6	14.63	15.32
	3 TX Slots	18.89	18.83	18.93	19.5	-4.42	14.47	14.41	14.51	15.08
	4 TX Slots	16.92	17.14	17.46	17.5	-3.17	13.75	13.97	14.29	14.33
EGPRS(8PSK)	1 TX Slot	18.79	18.78	18.88	19.5	-9.19	9.6	9.59	9.69	10.31
	2 TX Slots	16.44	16.39	16.47	17	-6.18	10.26	10.21	10.29	10.82
	3 TX Slots	14.49	14.23	14.41	15.5	-4.42	10.07	9.81	9.99	11.08
	4 TX Slots	13.83	13.57	13.77	14	-3.17	10.66	10.4	10.6	10.83

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GSM 850 Receiver on(Right head) +hotspot 2.4G										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	25.65	25.76	25.74	26.8	-9.19	16.46	16.57	16.55	17.61
GPRS/EGPRS (GMSK)	1 TX Slot	25.66	25.77	25.72	26.8	-9.19	16.47	16.58	16.53	17.61
	2 TX Slots	23.5	23.67	23.59	24.8	-6.18	17.32	17.49	17.41	18.62
	3 TX Slots	21.35	21.49	21.43	22.8	-4.42	16.93	17.07	17.01	18.38
	4 TX Slots	19.31	19.45	19.38	20.8	-3.17	16.14	16.28	16.21	17.63
EGPRS(8PSK)	1 TX Slot	20	20.16	20.17	20.8	-9.19	10.81	10.97	10.98	11.61
	2 TX Slots	17.93	18.06	18.09	18.8	-6.18	11.75	11.88	11.91	12.62
	3 TX Slots	15.75	15.94	16.03	16.8	-4.42	11.33	11.52	11.61	12.38
	4 TX Slots	14.07	14.23	14.18	14.8	-3.17	10.9	11.06	11.01	11.63
GSM 1900 Receiver on(Right head) +hotspot 2.4G										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	22.45	22.44	22.51	23	-9.19	13.26	13.25	13.32	13.81
GPRS/EGPRS (GMSK)	1 TX Slot	22.46	22.42	22.54	23	-9.19	13.27	13.23	13.35	13.81
	2 TX Slots	20.39	20.27	20.31	21	-6.18	14.21	14.09	14.13	14.82
	3 TX Slots	18.43	18.37	18.37	19	-4.42	14.01	13.95	13.95	14.58
	4 TX Slots	16.37	16.32	16.56	17	-3.17	13.2	13.15	13.39	13.83
EGPRS(8PSK)	1 TX Slot	18.34	18.28	18.33	19	-9.19	9.15	9.09	9.14	9.81
	2 TX Slots	15.99	15.95	15.96	16.5	-6.18	9.81	9.77	9.78	10.32
	3 TX Slots	13.98	13.94	14	14.5	-4.42	9.56	9.52	9.58	10.08
	4 TX Slots	13.26	13.07	13.38	13.5	-3.17	10.09	9.9	10.21	10.33

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GSM 850 Receiver on(Left head)+hotspot 5G										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	23.22	23.33	23.25	24.3	-9.19	14.03	14.14	14.06	15.11
GPRS/EGPRS (GMSK)	1 TX Slot	23.21	23.31	23.24	24.3	-9.19	14.02	14.12	14.05	15.11
	2 TX Slots	20.79	20.91	20.86	22.3	-6.18	14.61	14.73	14.68	16.12
	3 TX Slots	18.91	19.12	19.07	20.3	-4.42	14.49	14.7	14.65	15.88
	4 TX Slots	17.06	17.13	17.1	18.3	-3.17	13.89	13.96	13.93	15.13
EGPRS(8PSK)	1 TX Slot	17.57	17.75	17.78	18.3	-9.19	8.38	8.56	8.59	9.11
	2 TX Slots	15.58	15.63	15.6	16.3	-6.18	9.4	9.45	9.42	10.12
	3 TX Slots	13.19	13.25	13.85	14.3	-4.42	8.77	8.83	9.43	9.88
	4 TX Slots	11.32	11.36	11.45	12.3	-3.17	8.15	8.19	8.28	9.13
GSM 1900 Receiver on(Left head)+ hotspot 5G										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	21	20.97	20.98	21.5	-9.19	11.81	11.78	11.79	12.31
GPRS/EGPRS (GMSK)	1 TX Slot	20.98	20.99	21	21.5	-9.19	11.79	11.8	11.81	12.31
	2 TX Slots	19.01	18.93	18.94	19.5	-6.18	12.83	12.75	12.76	13.32
	3 TX Slots	17.63	17.84	17.81	17.5	-4.42	13.21	13.42	13.39	13.08
	4 TX Slots	14.67	14.78	14.95	15.5	-3.17	11.5	11.61	11.78	12.33
EGPRS(8PSK)	1 TX Slot	16.83	16.78	16.81	17.5	-9.19	7.64	7.59	7.62	8.31
	2 TX Slots	14.48	14.39	14.45	15	-6.18	8.3	8.21	8.27	8.82
	3 TX Slots	13.86	13.59	13.85	14	-4.42	9.44	9.17	9.43	9.58
	4 TX Slots	11.09	10.81	11.74	12	-3.17	7.92	7.64	8.57	8.83

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GSM 850 Receiver on(Right head) +hotspot 5G										
Burst Output Power(dBm)				Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up	
Channel		128	190	251		128	190	251		
GSM(GMSK)	GSM	23.71	23.73	23.66	24.8	-9.19	14.52	14.54	14.47	15.61
GPRS/EGPRS (GMSK)	1 TX Slot	23.71	23.77	23.69	24.8	-9.19	14.52	14.58	14.5	15.61
	2 TX Slots	21.33	21.56	21.49	22.8	-6.18	15.15	15.38	15.31	16.62
	3 TX Slots	19.46	19.53	19.46	20.8	-4.42	15.04	15.11	15.04	16.38
	4 TX Slots	17.45	17.65	17.56	18.8	-3.17	14.28	14.48	14.39	15.63
EGPRS(8PSK)	1 TX Slot	18.05	18.15	18.21	18.8	-9.19	8.86	8.96	9.02	9.61
	2 TX Slots	15.88	16.06	16.1	16.8	-6.18	9.7	9.88	9.92	10.62
	3 TX Slots	14.16	14.21	14.21	14.8	-4.42	9.74	9.79	9.79	10.38
	4 TX Slots	11.76	11.82	11.75	12.8	-3.17	8.59	8.65	8.58	9.63
GSM 1900 Receiver on(Right head) +hotspot 5G										
Burst Output Power(dBm)				Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up	
Channel		512	661	810		512	661	810		
GSM(GMSK)	GSM	20.5	20.51	20.55	21	-9.19	11.31	11.32	11.36	11.81
GPRS/EGPRS (GMSK)	1 TX Slot	20.55	20.54	20.54	21	-9.19	11.36	11.35	11.35	11.81
	2 TX Slots	18.54	18.47	18.51	19	-6.18	12.36	12.29	12.33	12.82
	3 TX Slots	17.04	17.25	17.57	17	-4.42	12.62	12.83	13.15	12.58
	4 TX Slots	14.16	14.22	14.41	15	-3.17	10.99	11.05	11.24	11.83
EGPRS(8PSK)	1 TX Slot	16.34	16.26	16.32	17	-9.19	7.15	7.07	7.13	7.81
	2 TX Slots	13.98	13.78	13.96	14.5	-6.18	7.8	7.6	7.78	8.32
	3 TX Slots	13.27	13.12	13.33	13.5	-4.42	8.85	8.7	8.91	9.08
	4 TX Slots	10.59	10.31	10.55	11.5	-3.17	7.42	7.14	7.38	8.33

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GSM 850 Receiver on(Left head) + BT										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	26.19	26.29	26.24	27.3	-9.19	17	17.1	17.05	18.11
GPRS/EGPRS (GMSK)	1 TX Slot	26.13	26.31	26.23	27.3	-9.19	16.94	17.12	17.04	18.11
	2 TX Slots	23.97	24.03	24.07	25.3	-6.18	17.79	17.85	17.89	19.12
	3 TX Slots	21.94	22.11	22.02	23.3	-4.42	17.52	17.69	17.6	18.88
	4 TX Slots	19.64	19.81	19.83	21.3	-3.17	16.47	16.64	16.66	18.13
EGPRS(8PSK)	1 TX Slot	20.53	20.65	20.61	21.3	-9.19	11.34	11.46	11.42	12.11
	2 TX Slots	18.54	18.58	18.71	19.3	-6.18	12.36	12.4	12.53	13.12
	3 TX Slots	16.41	16.58	16.64	17.3	-4.42	11.99	12.16	12.22	12.88
	4 TX Slots	14.75	14.87	14.81	15.3	-3.17	11.58	11.7	11.64	12.13
GSM 1900 Receiver on(Left head) + BT										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	24.01	23.97	24.02	24.5	-9.19	14.82	14.78	14.83	15.31
GPRS/EGPRS (GMSK)	1 TX Slot	24.01	23.96	24.03	24.5	-9.19	14.82	14.77	14.84	15.31
	2 TX Slots	21.77	21.75	21.79	22.5	-6.18	15.59	15.57	15.61	16.32
	3 TX Slots	19.83	19.89	19.89	20.5	-4.42	15.41	15.47	15.47	16.08
	4 TX Slots	17.34	17.23	17.28	18.5	-3.17	14.17	14.06	14.11	15.33
EGPRS(8PSK)	1 TX Slot	19.81	19.76	19.84	20.5	-9.19	10.62	10.57	10.65	11.31
	2 TX Slots	17.4	17.42	17.46	17.5	-6.18	11.22	11.24	11.28	11.32
	3 TX Slots	15.36	15.39	15.36	15.5	-4.42	10.94	10.97	10.94	11.08
	4 TX Slots	13.27	13.23	13.35	13.5	-3.17	10.1	10.06	10.18	10.33

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GSM 850 Receiver on(Right head) + BT										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	26.63	26.75	26.65	27.8	-9.19	17.44	17.56	17.46	18.61
GPRS/EGPRS (GMSK)	1 TX Slot	26.61	26.78	26.73	27.8	-9.19	17.42	17.59	17.54	18.61
	2 TX Slots	24.51	24.63	24.56	25.8	-6.18	18.33	18.45	18.38	19.62
	3 TX Slots	22.46	22.65	22.54	23.8	-4.42	18.04	18.23	18.12	19.38
	4 TX Slots	20.15	20.31	20.26	21.8	-3.17	16.98	17.14	17.09	18.63
EGPRS(8PSK)	1 TX Slot	21.04	21.12	21.15	21.8	-9.19	11.85	11.93	11.96	12.61
	2 TX Slots	18.98	19.13	19.17	19.8	-6.18	12.8	12.95	12.99	13.62
	3 TX Slots	16.97	17.03	17.08	17.8	-4.42	12.55	12.61	12.66	13.38
	4 TX Slots	15.19	15.28	15.29	15.8	-3.17	12.02	12.11	12.12	12.63
GSM 1900 Receiver on(Right head) + BT										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	23.51	23.46	23.56	24	-9.19	14.32	14.27	14.37	14.81
GPRS/EGPRS (GMSK)	1 TX Slot	23.52	23.52	23.57	24	-9.19	14.33	14.33	14.38	14.81
	2 TX Slots	21.27	21.24	21.26	22	-6.18	15.09	15.06	15.08	15.82
	3 TX Slots	19.45	19.38	19.46	20	-4.42	15.03	14.96	15.04	15.58
	4 TX Slots	17.75	17.85	17.63	18	-3.17	14.58	14.68	14.46	14.83
EGPRS(8PSK)	1 TX Slot	19.34	19.2	19.27	20	-9.19	10.15	10.01	10.08	10.81
	2 TX Slots	16.98	16.75	16.87	17	-6.18	10.8	10.57	10.69	10.82
	3 TX Slots	15	14.92	14.96	15	-4.42	10.58	10.5	10.54	10.58
	4 TX Slots	12.24	12.77	12.79	13	-3.17	9.07	9.6	9.62	9.83

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GSM 850 Receiver off + BT										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	30.61	30.72	30.71	31.8	-9.19	21.42	21.53	21.52	22.61
GPRS/EGPRS (GMSK)	1 TX Slot	30.61	30.78	30.59	31.8	-9.19	21.42	21.59	21.4	22.61
	2 TX Slots	28.39	28.47	28.46	29.8	-6.18	22.21	22.29	22.28	23.62
	3 TX Slots	26.31	26.47	26.39	27.8	-4.42	21.89	22.05	21.97	23.38
	4 TX Slots	24.25	24.39	24.31	25.8	-3.17	21.08	21.22	21.14	22.63
EGPRS(8PSK)	1 TX Slot	25.13	25.21	25.26	25.8	-9.19	15.94	16.02	16.07	16.61
	2 TX Slots	22.73	22.87	22.94	23.8	-6.18	16.55	16.69	16.76	17.62
	3 TX Slots	20.7	20.87	20.84	21.8	-4.42	16.28	16.45	16.42	17.38
	4 TX Slots	18.55	18.78	18.77	19.8	-3.17	15.38	15.61	15.6	16.63
GSM 1900 Receiver off + BT										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	28.04	28.10	28.12	28.5	-9.19	18.85	18.91	18.93	19.31
GPRS/EGPRS (GMSK)	1 TX Slot	28.11	28.08	28.17	28.5	-9.19	18.92	18.89	18.98	19.31
	2 TX Slots	25.85	25.83	25.88	26.5	-6.18	19.67	19.65	19.7	20.32
	3 TX Slots	23.7	23.73	23.72	24.5	-4.42	19.28	19.31	19.3	20.08
	4 TX Slots	21.01	21.06	21.03	22.5	-3.17	17.84	17.89	17.86	19.33
EGPRS(8PSK)	1 TX Slot	23.59	23.55	23.84	24.5	-9.19	14.4	14.36	14.65	15.31
	2 TX Slots	21.38	21.38	21.41	21.5	-6.18	15.2	15.2	15.23	15.32
	3 TX Slots	19.33	19.29	19.27	19.5	-4.42	14.91	14.87	14.85	15.08
	4 TX Slots	17.2	17.14	17.13	17.5	-3.17	14.03	13.97	13.96	14.33

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GSM 850 Receiver on(Right head) + BT										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	26.63	26.75	26.65	27.8	-9.19	17.44	17.56	17.46	18.61
GPRS/EGPRS (GMSK)	1 TX Slot	26.61	26.78	26.73	27.8	-9.19	17.42	17.59	17.54	18.61
	2 TX Slots	24.51	24.63	24.56	25.8	-6.18	18.33	18.45	18.38	19.62
	3 TX Slots	22.46	22.65	22.54	23.8	-4.42	18.04	18.23	18.12	19.38
	4 TX Slots	20.15	20.31	20.26	21.8	-3.17	16.98	17.14	17.09	18.63
EGPRS(8PSK)	1 TX Slot	21.04	21.12	21.15	21.8	-9.19	11.85	11.93	11.96	12.61
	2 TX Slots	18.98	19.13	19.17	19.8	-6.18	12.8	12.95	12.99	13.62
	3 TX Slots	16.97	17.03	17.08	17.8	-4.42	12.55	12.61	12.66	13.38
	4 TX Slots	15.19	15.28	15.29	15.8	-3.17	12.02	12.11	12.12	12.63
GSM 1900 Receiver on(Right head) + BT										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	23.51	23.46	23.56	24	-9.19	14.32	14.27	14.37	14.81
GPRS/EGPRS (GMSK)	1 TX Slot	23.52	23.52	23.57	24	-9.19	14.33	14.33	14.38	14.81
	2 TX Slots	21.27	21.24	21.26	22	-6.18	15.09	15.06	15.08	15.82
	3 TX Slots	19.45	19.38	19.46	20	-4.42	15.03	14.96	15.04	15.58
	4 TX Slots	17.75	17.85	17.63	18	-3.17	14.58	14.68	14.46	14.83
EGPRS(8PSK)	1 TX Slot	19.34	19.2	19.27	20	-9.19	10.15	10.01	10.08	10.81
	2 TX Slots	16.98	16.75	16.87	17	-6.18	10.8	10.57	10.69	10.82
	3 TX Slots	15	14.92	14.96	15	-4.42	10.58	10.5	10.54	10.58
	4 TX Slots	12.24	12.77	12.79	13	-3.17	9.07	9.6	9.62	9.83

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GSM 850 Receiver off + BT										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	30.61	30.72	30.71	31.8	-9.19	21.42	21.53	21.52	22.61
GPRS/EGPRS (GMSK)	1 TX Slot	30.61	30.78	30.59	31.8	-9.19	21.42	21.59	21.4	22.61
	2 TX Slots	28.39	28.47	28.46	29.8	-6.18	22.21	22.29	22.28	23.62
	3 TX Slots	26.31	26.47	26.39	27.8	-4.42	21.89	22.05	21.97	23.38
	4 TX Slots	24.25	24.39	24.31	25.8	-3.17	21.08	21.22	21.14	22.63
EGPRS(8PSK)	1 TX Slot	25.13	25.21	25.26	25.8	-9.19	15.94	16.02	16.07	16.61
	2 TX Slots	22.73	22.87	22.94	23.8	-6.18	16.55	16.69	16.76	17.62
	3 TX Slots	20.7	20.87	20.84	21.8	-4.42	16.28	16.45	16.42	17.38
	4 TX Slots	18.55	18.78	18.77	19.8	-3.17	15.38	15.61	15.6	16.63
GSM 1900 Receiver off + BT										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	28.04	28.10	28.12	28.5	-9.19	18.85	18.91	18.93	19.31
GPRS/EGPRS (GMSK)	1 TX Slot	28.11	28.08	28.17	28.5	-9.19	18.92	18.89	18.98	19.31
	2 TX Slots	25.85	25.83	25.88	26.5	-6.18	19.67	19.65	19.7	20.32
	3 TX Slots	23.7	23.73	23.72	24.5	-4.42	19.28	19.31	19.3	20.08
	4 TX Slots	21.01	21.06	21.03	22.5	-3.17	17.84	17.89	17.86	19.33
EGPRS(8PSK)	1 TX Slot	23.59	23.55	23.84	24.5	-9.19	14.4	14.36	14.65	15.31
	2 TX Slots	21.38	21.38	21.41	21.5	-6.18	15.2	15.2	15.23	15.32
	3 TX Slots	19.33	19.29	19.27	19.5	-4.42	14.91	14.87	14.85	15.08
	4 TX Slots	17.2	17.14	17.13	17.5	-3.17	14.03	13.97	13.96	14.33

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GSM 850 Receiver on(Left head)+hotspot 2.4G										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	25.15	25.23	25.17	26.3	-9.19	15.96	16.04	15.98	17.11
GPRS/EGPRS (GMSK)	1 TX Slot	25.17	25.3	25.21	26.3	-9.19	15.98	16.11	16.02	17.11
	2 TX Slots	23.09	23.2	23.13	24.3	-6.18	16.91	17.02	16.95	18.12
	3 TX Slots	20.72	20.85	20.81	22.3	-4.42	16.3	16.43	16.39	17.88
	4 TX Slots	18.84	19.04	19.03	20.3	-3.17	15.67	15.87	15.86	17.13
EGPRS(8PSK)	1 TX Slot	19.52	19.66	19.75	20.3	-9.19	10.33	10.47	10.56	11.11
	2 TX Slots	17.41	17.56	17.63	18.3	-6.18	11.23	11.38	11.45	12.12
	3 TX Slots	15.49	15.54	15.57	16.3	-4.42	11.07	11.12	11.15	11.88
	4 TX Slots	13.18	13.78	13.67	14.3	-3.17	10.01	10.61	10.5	11.13
GSM 1900 Receiver on(Left head)+ hotspot 2.4G										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	22.95	22.93	22.94	23.5	-9.19	13.76	13.74	13.75	14.31
GPRS/EGPRS (GMSK)	1 TX Slot	22.97	22.93	22.97	23.5	-9.19	13.78	13.74	13.78	14.31
	2 TX Slots	20.81	20.78	20.81	21.5	-6.18	14.63	14.6	14.63	15.32
	3 TX Slots	18.89	18.83	18.93	19.5	-4.42	14.47	14.41	14.51	15.08
	4 TX Slots	16.92	17.14	17.46	17.5	-3.17	13.75	13.97	14.29	14.33
EGPRS(8PSK)	1 TX Slot	18.79	18.78	18.88	19.5	-9.19	9.6	9.59	9.69	10.31
	2 TX Slots	16.44	16.39	16.47	17	-6.18	10.26	10.21	10.29	10.82
	3 TX Slots	14.49	14.23	14.41	15.5	-4.42	10.07	9.81	9.99	11.08
	4 TX Slots	13.83	13.57	13.77	14	-3.17	10.66	10.4	10.6	10.83

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GSM 850 Receiver on(Right head) +hotspot 2.4G										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	25.65	25.76	25.74	26.8	-9.19	16.46	16.57	16.55	17.61
GPRS/EGPRS (GMSK)	1 TX Slot	25.66	25.77	25.72	26.8	-9.19	16.47	16.58	16.53	17.61
	2 TX Slots	23.5	23.67	23.59	24.8	-6.18	17.32	17.49	17.41	18.62
	3 TX Slots	21.35	21.49	21.43	22.8	-4.42	16.93	17.07	17.01	18.38
	4 TX Slots	19.31	19.45	19.38	20.8	-3.17	16.14	16.28	16.21	17.63
EGPRS(8PSK)	1 TX Slot	20	20.16	20.17	20.8	-9.19	10.81	10.97	10.98	11.61
	2 TX Slots	17.93	18.06	18.09	18.8	-6.18	11.75	11.88	11.91	12.62
	3 TX Slots	15.75	15.94	16.03	16.8	-4.42	11.33	11.52	11.61	12.38
	4 TX Slots	14.07	14.23	14.18	14.8	-3.17	10.9	11.06	11.01	11.63
GSM 1900 Receiver on(Right head) +hotspot 2.4G										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	22.45	22.44	22.51	23	-9.19	13.26	13.25	13.32	13.81
GPRS/EGPRS (GMSK)	1 TX Slot	22.46	22.42	22.54	23	-9.19	13.27	13.23	13.35	13.81
	2 TX Slots	20.39	20.27	20.31	21	-6.18	14.21	14.09	14.13	14.82
	3 TX Slots	18.43	18.37	18.37	19	-4.42	14.01	13.95	13.95	14.58
	4 TX Slots	16.37	16.32	16.56	17	-3.17	13.2	13.15	13.39	13.83
EGPRS(8PSK)	1 TX Slot	18.34	18.28	18.33	19	-9.19	9.15	9.09	9.14	9.81
	2 TX Slots	15.99	15.95	15.96	16.5	-6.18	9.81	9.77	9.78	10.32
	3 TX Slots	13.98	13.94	14	14.5	-4.42	9.56	9.52	9.58	10.08
	4 TX Slots	13.26	13.07	13.38	13.5	-3.17	10.09	9.9	10.21	10.33

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GSM 850 Receiver on(Left head)+hotspot 5G										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	23.22	23.33	23.25	24.3	-9.19	14.03	14.14	14.06	15.11
GPRS/EGPRS (GMSK)	1 TX Slot	23.21	23.31	23.24	24.3	-9.19	14.02	14.12	14.05	15.11
	2 TX Slots	20.79	20.91	20.86	22.3	-6.18	14.61	14.73	14.68	16.12
	3 TX Slots	18.91	19.12	19.07	20.3	-4.42	14.49	14.7	14.65	15.88
	4 TX Slots	17.06	17.13	17.1	18.3	-3.17	13.89	13.96	13.93	15.13
EGPRS(8PSK)	1 TX Slot	17.57	17.75	17.78	18.3	-9.19	8.38	8.56	8.59	9.11
	2 TX Slots	15.58	15.63	15.6	16.3	-6.18	9.4	9.45	9.42	10.12
	3 TX Slots	13.19	13.25	13.85	14.3	-4.42	8.77	8.83	9.43	9.88
	4 TX Slots	11.32	11.36	11.45	12.3	-3.17	8.15	8.19	8.28	9.13
GSM 1900 Receiver on(Left head)+ hotspot 5G										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	21	20.97	20.98	21.5	-9.19	11.81	11.78	11.79	12.31
GPRS/EGPRS (GMSK)	1 TX Slot	20.98	20.99	21	21.5	-9.19	11.79	11.8	11.81	12.31
	2 TX Slots	19.01	18.93	18.94	19.5	-6.18	12.83	12.75	12.76	13.32
	3 TX Slots	17.63	17.84	17.81	17.5	-4.42	13.21	13.42	13.39	13.08
	4 TX Slots	14.67	14.78	14.95	15.5	-3.17	11.5	11.61	11.78	12.33
EGPRS(8PSK)	1 TX Slot	16.83	16.78	16.81	17.5	-9.19	7.64	7.59	7.62	8.31
	2 TX Slots	14.48	14.39	14.45	15	-6.18	8.3	8.21	8.27	8.82
	3 TX Slots	13.86	13.59	13.85	14	-4.42	9.44	9.17	9.43	9.58
	4 TX Slots	11.09	10.81	11.74	12	-3.17	7.92	7.64	8.57	8.83

GSM 850 Receiver on(Right head) +hotspot 5G										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	23.71	23.73	23.66	24.8	-9.19	14.52	14.54	14.47	15.61
GPRS/EGPRS (GMSK)	1 TX Slot	23.71	23.77	23.69	24.8	-9.19	14.52	14.58	14.5	15.61
	2 TX Slots	21.33	21.56	21.49	22.8	-6.18	15.15	15.38	15.31	16.62
	3 TX Slots	19.46	19.53	19.46	20.8	-4.42	15.04	15.11	15.04	16.38
	4 TX Slots	17.45	17.65	17.56	18.8	-3.17	14.28	14.48	14.39	15.63
EGPRS(8PSK)	1 TX Slot	18.05	18.15	18.21	18.8	-9.19	8.86	8.96	9.02	9.61
	2 TX Slots	15.88	16.06	16.1	16.8	-6.18	9.7	9.88	9.92	10.62
	3 TX Slots	14.16	14.21	14.21	14.8	-4.42	9.74	9.79	9.79	10.38
	4 TX Slots	11.76	11.82	11.75	12.8	-3.17	8.59	8.65	8.58	9.63
GSM 1900 Receiver on(Right head) +hotspot 5G										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	20.5	20.51	20.55	21	-9.19	11.31	11.32	11.36	11.81
GPRS/EGPRS (GMSK)	1 TX Slot	20.55	20.54	20.54	21	-9.19	11.36	11.35	11.35	11.81
	2 TX Slots	18.54	18.47	18.51	19	-6.18	12.36	12.29	12.33	12.82
	3 TX Slots	17.04	17.25	17.57	17	-4.42	12.62	12.83	13.15	12.58
	4 TX Slots	14.16	14.22	14.41	15	-3.17	10.99	11.05	11.24	11.83
EGPRS(8PSK)	1 TX Slot	16.34	16.26	16.32	17	-9.19	7.15	7.07	7.13	7.81
	2 TX Slots	13.98	13.78	13.96	14.5	-6.18	7.8	7.6	7.78	8.32
	3 TX Slots	13.27	13.12	13.33	13.5	-4.42	8.85	8.7	8.91	9.08
	4 TX Slots	10.59	10.31	10.55	11.5	-3.17	7.42	7.14	7.38	8.33

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GSM 850 Receiver on(Left head) + BT										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	26.19	26.29	26.24	27.3	-9.19	17	17.1	17.05	18.11
GPRS/EGPRS (GMSK)	1 TX Slot	26.13	26.31	26.23	27.3	-9.19	16.94	17.12	17.04	18.11
	2 TX Slots	23.97	24.03	24.07	25.3	-6.18	17.79	17.85	17.89	19.12
	3 TX Slots	21.94	22.11	22.02	23.3	-4.42	17.52	17.69	17.6	18.88
	4 TX Slots	19.64	19.81	19.83	21.3	-3.17	16.47	16.64	16.66	18.13
EGPRS(8PSK)	1 TX Slot	20.53	20.65	20.61	21.3	-9.19	11.34	11.46	11.42	12.11
	2 TX Slots	18.54	18.58	18.71	19.3	-6.18	12.36	12.4	12.53	13.12
	3 TX Slots	16.41	16.58	16.64	17.3	-4.42	11.99	12.16	12.22	12.88
	4 TX Slots	14.75	14.87	14.81	15.3	-3.17	11.58	11.7	11.64	12.13
GSM 1900 Receiver on(Left head) + BT										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	24.01	23.97	24.02	24.5	-9.19	14.82	14.78	14.83	15.31
GPRS/EGPRS (GMSK)	1 TX Slot	24.01	23.96	24.03	24.5	-9.19	14.82	14.77	14.84	15.31
	2 TX Slots	21.77	21.75	21.79	22.5	-6.18	15.59	15.57	15.61	16.32
	3 TX Slots	19.83	19.89	19.89	20.5	-4.42	15.41	15.47	15.47	16.08
	4 TX Slots	17.34	17.23	17.28	18.5	-3.17	14.17	14.06	14.11	15.33
EGPRS(8PSK)	1 TX Slot	19.81	19.76	19.84	20.5	-9.19	10.62	10.57	10.65	11.31
	2 TX Slots	17.4	17.42	17.46	17.5	-6.18	11.22	11.24	11.28	11.32
	3 TX Slots	15.36	15.39	15.36	15.5	-4.42	10.94	10.97	10.94	11.08
	4 TX Slots	13.27	13.23	13.35	13.5	-3.17	10.1	10.06	10.18	10.33

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GSM 850 Receiver on(Right head) + BT										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	26.63	26.75	26.65	27.8	-9.19	17.44	17.56	17.46	18.61
GPRS/EGPRS (GMSK)	1 TX Slot	26.61	26.78	26.73	27.8	-9.19	17.42	17.59	17.54	18.61
	2 TX Slots	24.51	24.63	24.56	25.8	-6.18	18.33	18.45	18.38	19.62
	3 TX Slots	22.46	22.65	22.54	23.8	-4.42	18.04	18.23	18.12	19.38
	4 TX Slots	20.15	20.31	20.26	21.8	-3.17	16.98	17.14	17.09	18.63
EGPRS(8PSK)	1 TX Slot	21.04	21.12	21.15	21.8	-9.19	11.85	11.93	11.96	12.61
	2 TX Slots	18.98	19.13	19.17	19.8	-6.18	12.8	12.95	12.99	13.62
	3 TX Slots	16.97	17.03	17.08	17.8	-4.42	12.55	12.61	12.66	13.38
	4 TX Slots	15.19	15.28	15.29	15.8	-3.17	12.02	12.11	12.12	12.63
GSM 1900 Receiver on(Right head) + BT										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	23.51	23.46	23.56	24	-9.19	14.32	14.27	14.37	14.81
GPRS/EGPRS (GMSK)	1 TX Slot	23.52	23.52	23.57	24	-9.19	14.33	14.33	14.38	14.81
	2 TX Slots	21.27	21.24	21.26	22	-6.18	15.09	15.06	15.08	15.82
	3 TX Slots	19.45	19.38	19.46	20	-4.42	15.03	14.96	15.04	15.58
	4 TX Slots	17.75	17.85	17.63	18	-3.17	14.58	14.68	14.46	14.83
EGPRS(8PSK)	1 TX Slot	19.34	19.2	19.27	20	-9.19	10.15	10.01	10.08	10.81
	2 TX Slots	16.98	16.75	16.87	17	-6.18	10.8	10.57	10.69	10.82
	3 TX Slots	15	14.92	14.96	15	-4.42	10.58	10.5	10.54	10.58
	4 TX Slots	12.24	12.77	12.79	13	-3.17	9.07	9.6	9.62	9.83

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GSM 850 Receiver off + BT										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	30.61	30.72	30.71	31.8	-9.19	21.42	21.53	21.52	22.61
GPRS/EGPRS (GMSK)	1 TX Slot	30.61	30.78	30.59	31.8	-9.19	21.42	21.59	21.4	22.61
	2 TX Slots	28.39	28.47	28.46	29.8	-6.18	22.21	22.29	22.28	23.62
	3 TX Slots	26.31	26.47	26.39	27.8	-4.42	21.89	22.05	21.97	23.38
	4 TX Slots	24.25	24.39	24.31	25.8	-3.17	21.08	21.22	21.14	22.63
EGPRS(8PSK)	1 TX Slot	25.13	25.21	25.26	25.8	-9.19	15.94	16.02	16.07	16.61
	2 TX Slots	22.73	22.87	22.94	23.8	-6.18	16.55	16.69	16.76	17.62
	3 TX Slots	20.7	20.87	20.84	21.8	-4.42	16.28	16.45	16.42	17.38
	4 TX Slots	18.55	18.78	18.77	19.8	-3.17	15.38	15.61	15.6	16.63
GSM 1900 Receiver off + BT										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	28.04	28.10	28.12	28.5	-9.19	18.85	18.91	18.93	19.31
GPRS/EGPRS (GMSK)	1 TX Slot	28.11	28.08	28.17	28.5	-9.19	18.92	18.89	18.98	19.31
	2 TX Slots	25.85	25.83	25.88	26.5	-6.18	19.67	19.65	19.7	20.32
	3 TX Slots	23.7	23.73	23.72	24.5	-4.42	19.28	19.31	19.3	20.08
	4 TX Slots	21.01	21.06	21.03	22.5	-3.17	17.84	17.89	17.86	19.33
EGPRS(8PSK)	1 TX Slot	23.59	23.55	23.84	24.5	-9.19	14.4	14.36	14.65	15.31
	2 TX Slots	21.38	21.38	21.41	21.5	-6.18	15.2	15.2	15.23	15.32
	3 TX Slots	19.33	19.29	19.27	19.5	-4.42	14.91	14.87	14.85	15.08
	4 TX Slots	17.2	17.14	17.13	17.5	-3.17	14.03	13.97	13.96	14.33

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GSM 850 Receiver on(Left head) + WiFi2.4G Ant1										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	25.15	25.23	25.18	26.3	-9.19	15.96	16.04	15.99	17.11
GPRS/EGPRS (GMSK)	1 TX Slot	25.11	25.21	25.14	26.3	-9.19	15.92	16.02	15.95	17.11
	2 TX Slots	23.12	23.22	23.18	24.3	-6.18	16.94	17.04	17	18.12
	3 TX Slots	20.69	20.89	20.86	22.3	-4.42	16.27	16.47	16.44	17.88
	4 TX Slots	18.82	18.99	19.04	20.3	-3.17	15.65	15.82	15.87	17.13
EGPRS(8PSK)	1 TX Slot	19.56	19.64	19.72	20.3	-9.19	10.37	10.45	10.53	11.11
	2 TX Slots	17.38	17.51	17.58	18.3	-6.18	11.2	11.33	11.4	12.12
	3 TX Slots	15.43	15.56	15.56	16.3	-4.42	11.01	11.14	11.14	11.88
	4 TX Slots	13.11	13.67	13.68	14.3	-3.17	9.94	10.5	10.51	11.13
GSM 1900 Receiver on(Left head) + WiFi2.4G Ant1										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	22.93	22.94	23.04	23.5	-9.19	13.74	13.75	13.85	14.31
GPRS/EGPRS (GMSK)	1 TX Slot	23.01	23.02	23.05	23.5	-9.19	13.82	13.83	13.86	14.31
	2 TX Slots	20.84	20.83	20.81	21.5	-6.18	14.66	14.65	14.63	15.32
	3 TX Slots	18.88	18.8	18.83	19.5	-4.42	14.46	14.38	14.41	15.08
	4 TX Slots	16.91	17.13	17.45	17.5	-3.17	13.74	13.96	14.28	14.33
EGPRS(8PSK)	1 TX Slot	18.87	18.71	18.81	19.5	-9.19	9.68	9.52	9.62	10.31
	2 TX Slots	16.72	16.42	16.48	17	-6.18	10.54	10.24	10.3	10.82
	3 TX Slots	14.66	14.47	14.39	15.5	-4.42	10.24	10.05	9.97	11.08
	4 TX Slots	13.82	13.56	13.78	14	-3.17	10.65	10.39	10.61	10.83

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GSM 850 Receiver on(Right head) + WiFi2.4G Ant1										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	25.67	25.79	25.75	26.8	-9.19	16.48	16.6	16.56	17.61
GPRS/EGPRS (GMSK)	1 TX Slot	25.68	25.77	25.74	26.8	-9.19	16.49	16.58	16.55	17.61
	2 TX Slots	23.56	23.58	23.51	24.8	-6.18	17.38	17.4	17.33	18.62
	3 TX Slots	21.31	21.42	21.39	22.8	-4.42	16.89	17	16.97	18.38
	4 TX Slots	19.34	19.49	19.39	20.8	-3.17	16.17	16.32	16.22	17.63
EGPRS(8PSK)	1 TX Slot	20.01	20.17	20.21	20.8	-9.19	10.82	10.98	11.02	11.61
	2 TX Slots	17.95	18.02	18.09	18.8	-6.18	11.77	11.84	11.91	12.62
	3 TX Slots	15.78	15.94	16.04	16.8	-4.42	11.36	11.52	11.62	12.38
	4 TX Slots	14.07	14.14	14.26	14.8	-3.17	10.9	10.97	11.09	11.63
GSM 1900 Receiver on(Right head) + WiFi2.4G Ant1										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	22.50	22.52	22.54	23	-9.19	13.31	13.33	13.35	13.81
GPRS/EGPRS (GMSK)	1 TX Slot	22.51	22.52	22.53	23	-9.19	13.32	13.33	13.34	13.81
	2 TX Slots	20.34	20.33	20.35	21	-6.18	14.16	14.15	14.17	14.82
	3 TX Slots	18.42	18.37	18.41	19	-4.42	14	13.95	13.99	14.58
	4 TX Slots	16.32	16.41	16.63	17	-3.17	13.15	13.24	13.46	13.83
EGPRS(8PSK)	1 TX Slot	18.39	18.29	18.34	19	-9.19	9.2	9.1	9.15	9.81
	2 TX Slots	15.98	15.78	15.93	16.5	-6.18	9.8	9.6	9.75	10.32
	3 TX Slots	13.99	13.91	13.94	15	-4.42	9.57	9.49	9.52	10.58
	4 TX Slots	13.27	13.08	13.27	13.5	-3.17	10.1	9.91	10.1	10.33

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GSM 850 Receiver off + WiFi2.4G Ant1										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	29.61	29.69	29.67	30.8	-9.19	20.42	20.5	20.48	21.61
GPRS/EGPRS (GMSK)	1 TX Slot	29.63	29.71	29.65	30.8	-9.19	20.44	20.52	#REF!	21.61
	2 TX Slots	27.45	27.54	27.52	28.8	-6.18	21.27	21.36	23.47	22.62
	3 TX Slots	25.37	25.58	25.46	26.8	-4.42	20.95	21.16	21.04	22.38
	4 TX Slots	23.31	23.48	23.28	24.8	-3.17	20.14	20.31	20.11	21.63
EGPRS(8PSK)	1 TX Slot	23.79	23.84	23.88	24.8	-9.19	14.6	14.65	14.69	15.61
	2 TX Slots	21.75	21.85	21.93	22.8	-6.18	15.57	15.67	15.75	16.62
	3 TX Slots	19.75	19.85	19.91	20.8	-4.42	15.33	15.43	15.49	16.38
	4 TX Slots	17.61	17.77	17.78	18.8	-3.17	14.44	14.6	14.61	15.63
GSM 1900 Receiver off + WiFi2.4G Ant1										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	27.00	26.98	27.04	27.5	-9.19	17.81	17.79	17.85	18.31
GPRS/EGPRS (GMSK)	1 TX Slot	26.99	26.97	27.02	27.5	-9.19	17.8	17.78	17.83	18.31
	2 TX Slots	24.87	24.81	24.86	25.5	-6.18	18.69	18.63	18.68	19.32
	3 TX Slots	22.74	22.82	22.74	23.5	-4.42	18.32	18.4	18.32	19.08
	4 TX Slots	20.14	20.07	20.09	21.5	-3.17	16.97	16.9	16.92	18.33
EGPRS(8PSK)	1 TX Slot	22.63	22.59	22.67	23.5	-9.19	13.44	13.4	13.48	14.31
	2 TX Slots	20.44	20.4	20.48	20.5	-6.18	14.26	14.22	14.3	14.32
	3 TX Slots	18.34	18.29	18.36	18.5	-4.42	13.92	13.87	13.94	14.08
	4 TX Slots	16.14	16.17	16.22	16.5	-3.17	12.97	13	13.05	13.33

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GSM 850 Receiver on(Left head) + WiFi5G Ant1/Ant2/MIMO										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	23.24	23.34	23.29	24.3	-9.19	14.05	14.15	14.1	15.11
GPRS/EGPRS (GMSK)	1 TX Slot	23.18	23.34	23.25	24.3	-9.19	13.99	14.15	14.06	15.11
	2 TX Slots	20.81	20.95	20.89	22.3	-6.18	14.63	14.77	14.71	16.12
	3 TX Slots	18.95	19.08	19.07	20.3	-4.42	14.53	14.66	14.65	15.88
	4 TX Slots	16.95	17.1	17.14	18.3	-3.17	13.78	13.93	13.97	15.13
EGPRS(8PSK)	1 TX Slot	17.61	17.7	17.77	18.3	-9.19	8.42	8.51	8.58	9.11
	2 TX Slots	15.654	15.62	15.61	16.3	-6.18	9.474	9.44	9.43	10.12
	3 TX Slots	13.25	13.26	13.82	14.3	-4.42	8.83	8.84	9.4	9.88
	4 TX Slots	11.31	11.38	11.37	12.3	-3.17	8.14	8.21	8.2	9.13
GSM 1900 Receiver on(Left head) + WiFi5G Ant1/Ant2/MIMO										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	20.99	20.97	20.99	24.3	-9.19	11.8	11.78	11.8	15.11
GPRS/EGPRS (GMSK)	1 TX Slot	21.02	20.95	21.01	21.5	-9.19	11.83	11.76	11.82	12.31
	2 TX Slots	19.02	18.95	18.98	19.5	-6.18	12.84	12.77	12.8	13.32
	3 TX Slots	17.69	17.93	17.87	17.5	-4.42	13.27	13.51	13.45	13.08
	4 TX Slots	14.57	14.67	14.89	15.5	-3.17	11.4	11.5	11.72	12.33
EGPRS(8PSK)	1 TX Slot	16.91	16.78	16.84	17.5	-9.19	7.72	7.59	7.65	8.31
	2 TX Slots	13.98	13.89	13.99	15	-6.18	7.8	7.71	7.81	8.82
	3 TX Slots	13.84	13.69	13.82	14	-4.42	9.42	9.27	9.4	9.58
	4 TX Slots	11.04	10.75	11.86	12	-3.17	7.87	7.58	8.69	8.83

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GSM 850 Receiver on(Right head) + WiFi5G Ant1/Ant2/MIMO										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	23.71	23.76	23.68	24.8	-9.19	14.52	14.57	14.49	15.61
GPRS/EGPRS (GMSK)	1 TX Slot	23.73	23.79	23.71	24.8	-9.19	14.54	14.6	14.52	15.61
	2 TX Slots	21.36	21.45	21.47	22.8	-6.18	15.18	15.27	15.29	16.62
	3 TX Slots	19.43	19.57	19.49	20.8	-4.42	15.01	15.15	15.07	16.38
	4 TX Slots	17.52	17.62	17.57	18.8	-3.17	14.35	14.45	14.4	15.63
EGPRS(8PSK)	1 TX Slot	18.13	18.21	18.23	18.8	-9.19	8.94	9.02	9.04	9.61
	2 TX Slots	15.9	16.06	16.07	16.8	-6.18	9.72	9.88	9.89	10.62
	3 TX Slots	14.17	14.28	14.23	14.8	-4.42	9.75	9.86	9.81	10.38
	4 TX Slots	11.74	11.87	11.85	12.8	-3.17	8.57	8.7	8.68	9.63
GSM 1900 Receiver on(Right head) + WiFi5G Ant1/Ant2/MIMO										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	20.49	20.54	20.56	21	-9.19	11.3	11.35	11.37	11.81
GPRS/EGPRS (GMSK)	1 TX Slot	20.53	20.56	20.57	21	-9.19	11.34	11.37	11.38	11.81
	2 TX Slots	18.52	18.47	18.49	19	-6.18	12.34	12.29	12.31	12.82
	3 TX Slots	16.98	17.21	17.49	17	-4.42	12.56	12.79	13.07	12.58
	4 TX Slots	14.16	14.21	14.39	15	-3.17	10.99	11.04	11.22	11.83
EGPRS(8PSK)	1 TX Slot	16.35	16.28	16.33	17	-9.19	7.16	7.09	7.14	7.81
	2 TX Slots	13.99	13.78	13.98	14.5	-6.18	7.81	7.6	7.8	8.32
	3 TX Slots	13.26	13.14	13.31	13.5	-4.42	8.84	8.72	8.89	9.08
	4 TX Slots	10.59	10.52	10.64	11.5	-3.17	7.42	7.35	7.47	8.33

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GSM 850 Receiver off + WiFi5G Ant1/Ant2/MIMO										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	27.62	27.71	27.63	28.8	-9.19	18.43	18.52	18.44	19.61
GPRS/EGPRS (GMSK)	1 TX Slot	27.61	27.66	27.59	28.8	-9.19	18.42	18.47	18.4	19.61
	2 TX Slots	25.46	25.65	25.55	26.8	-6.18	19.28	19.47	19.37	20.62
	3 TX Slots	23.51	23.65	23.56	24.8	-4.42	19.09	19.23	19.14	20.38
	4 TX Slots	21.31	21.46	21.45	22.8	-3.17	18.14	18.29	18.28	19.63
EGPRS(8PSK)	1 TX Slot	21.91	22.02	22.13	22.8	-9.19	12.72	12.83	12.94	13.61
	2 TX Slots	19.89	20.02	20.05	20.8	-6.18	13.71	13.84	13.87	14.62
	3 TX Slots	17.72	17.96	17.94	18.8	-4.42	13.3	13.54	13.52	14.38
	4 TX Slots	15.71	15.85	15.89	16.8	-3.17	12.54	12.68	12.72	13.63
GSM 1900 Receiver off + WiFi5G Ant1/Ant2/MIMO										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	24.97	24.96	24.94	25.5	-9.19	15.78	15.77	15.75	16.31
GPRS/EGPRS (GMSK)	1 TX Slot	24.96	24.98	24.94	25.5	-9.19	15.77	15.79	15.75	16.31
	2 TX Slots	22.75	22.74	22.77	23.5	-6.18	16.57	16.56	16.59	17.32
	3 TX Slots	20.66	20.63	20.67	21.5	-4.42	16.24	16.21	16.25	17.08
	4 TX Slots	18.36	18.32	18.31	19.5	-3.17	15.19	15.15	15.14	16.33
EGPRS(8PSK)	1 TX Slot	20.78	20.67	20.74	21.5	-9.19	11.59	11.48	11.55	12.31
	2 TX Slots	18.63	18.66	18.71	18.5	-6.18	12.45	12.48	12.53	12.32
	3 TX Slots	16.34	16.35	16.39	16.5	-4.42	11.92	11.93	11.97	12.08
	4 TX Slots	14.29	14.3	14.33	14.5	-3.17	11.12	11.13	11.16	11.33

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GSM 850 Receiver on(Left head) + BT + WiFi5G Ant1/Ant2/MIMO										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	23.24	23.34	23.29	24.3	-9.19	14.05	14.15	14.1	15.11
GPRS/EGPRS (GMSK)	1 TX Slot	23.18	23.34	23.25	24.3	-9.19	13.99	14.15	14.06	15.11
	2 TX Slots	20.81	20.95	20.89	22.3	-6.18	14.63	14.77	14.71	16.12
	3 TX Slots	18.95	19.08	19.07	20.3	-4.42	14.53	14.66	14.65	15.88
	4 TX Slots	16.95	17.1	17.14	18.3	-3.17	13.78	13.93	13.97	15.13
EGPRS(8PSK)	1 TX Slot	17.61	17.7	17.77	18.3	-9.19	8.42	8.51	8.58	9.11
	2 TX Slots	15.654	15.62	15.61	16.3	-6.18	9.474	9.44	9.43	10.12
	3 TX Slots	13.25	13.26	13.82	14.3	-4.42	8.83	8.84	9.4	9.88
	4 TX Slots	11.31	11.38	11.37	12.3	-3.17	8.14	8.21	8.2	9.13

GSM 850 Receiver on(Right head) + BT + WiFi5G Ant1/Ant2/MIMO										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	23.71	23.76	23.68	24.8	-9.19	14.52	14.57	14.49	15.61
GPRS/EGPRS (GMSK)	1 TX Slot	23.73	23.79	23.71	24.8	-9.19	14.54	14.6	14.52	15.61
	2 TX Slots	21.36	21.45	21.47	22.8	-6.18	15.18	15.27	15.29	16.62
	3 TX Slots	19.43	19.57	19.49	20.8	-4.42	15.01	15.15	15.07	16.38
	4 TX Slots	17.52	17.62	17.57	18.8	-3.17	14.35	14.45	14.4	15.63
EGPRS(8PSK)	1 TX Slot	18.13	18.21	18.23	18.8	-9.19	8.94	9.02	9.04	9.61
	2 TX Slots	15.9	16.06	16.07	16.8	-6.18	9.72	9.88	9.89	10.62
	3 TX Slots	14.17	14.28	14.23	14.8	-4.42	9.75	9.86	9.81	10.38
	4 TX Slots	11.74	11.87	11.85	12.8	-3.17	8.57	8.7	8.68	9.63

GSM 850 Receiver off + BT + WiFi5G Ant1/Ant2/MIMO										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	27.62	27.71	27.63	28.8	-9.19	18.43	18.52	18.44	19.61
GPRS/EGPRS (GMSK)	1 TX Slot	27.61	27.66	27.59	28.8	-9.19	18.42	18.47	18.4	19.61
	2 TX Slots	25.46	25.65	25.55	26.8	-6.18	19.28	19.47	19.37	20.62
	3 TX Slots	23.51	23.65	23.56	24.8	-4.42	19.09	19.23	19.14	20.38
	4 TX Slots	21.31	21.46	21.45	22.8	-3.17	18.14	18.29	18.28	19.63
EGPRS(8PSK)	1 TX Slot	21.91	22.02	22.13	22.8	-9.19	12.72	12.83	12.94	13.61
	2 TX Slots	19.89	20.02	20.05	20.8	-6.18	13.71	13.84	13.87	14.62
	3 TX Slots	17.72	17.96	17.94	18.8	-4.42	13.3	13.54	13.52	14.38
	4 TX Slots	15.71	15.85	15.89	16.8	-3.17	12.54	12.68	12.72	13.63

GSM 850 Receiver on(Left head) + Wi-Fi2.4G Ant1 + Wi-Fi5G Ant2										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	25.15	25.23	25.18	26.3	-9.19	15.96	16.04	15.99	17.11
GPRS/EGPRS (GMSK)	1 TX Slot	25.11	25.21	25.14	26.3	-9.19	15.92	16.02	15.95	17.11
	2 TX Slots	23.12	23.22	23.18	24.3	-6.18	16.94	17.04	17	18.12
	3 TX Slots	20.69	20.89	20.86	22.3	-4.42	16.27	16.47	16.44	17.88
	4 TX Slots	18.82	18.99	19.04	20.3	-3.17	15.65	15.82	15.87	17.13
EGPRS(8PSK)	1 TX Slot	19.56	19.64	19.72	20.3	-9.19	10.37	10.45	10.53	11.11
	2 TX Slots	17.38	17.51	17.58	18.3	-6.18	11.2	11.33	11.4	12.12
	3 TX Slots	15.43	15.56	15.56	16.3	-4.42	11.01	11.14	11.14	11.88
	4 TX Slots	13.11	13.67	13.68	14.3	-3.17	9.94	10.5	10.51	11.13

GSM 850 Receiver on(Right head) + Wi-Fi2.4G Ant1 + Wi-Fi5G Ant2										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	25.67	25.79	25.75	26.8	-9.19	16.48	16.6	16.56	17.61
GPRS/EGPRS (GMSK)	1 TX Slot	25.68	25.77	25.74	26.8	-9.19	16.49	16.58	16.55	17.61
	2 TX Slots	23.56	23.58	23.51	24.8	-6.18	17.38	17.4	17.33	18.62
	3 TX Slots	21.31	21.42	21.39	22.8	-4.42	16.89	17	16.97	18.38
	4 TX Slots	19.34	19.49	19.39	20.8	-3.17	16.17	16.32	16.22	17.63
EGPRS(8PSK)	1 TX Slot	20.01	20.17	20.21	20.8	-9.19	10.82	10.98	11.02	11.61
	2 TX Slots	17.95	18.02	18.09	18.8	-6.18	11.77	11.84	11.91	12.62
	3 TX Slots	15.78	15.94	16.04	16.8	-4.42	11.36	11.52	11.62	12.38
	4 TX Slots	14.07	14.14	14.26	14.8	-3.17	10.9	10.97	11.09	11.63

GSM 850 Receiver off + Wi-Fi2.4G Ant1 + Wi-Fi5G Ant2										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	29.61	29.69	29.67	30.8	-9.19	20.42	20.5	20.48	21.61
GPRS/EGPRS (GMSK)	1 TX Slot	29.63	29.71	29.65	30.8	-9.19	20.44	20.52	#REF!	21.61
	2 TX Slots	27.45	27.54	27.52	28.8	-6.18	21.27	21.36	23.47	22.62
	3 TX Slots	25.37	25.58	25.46	26.8	-4.42	20.95	21.16	21.04	22.38
	4 TX Slots	23.31	23.48	23.28	24.8	-3.17	20.14	20.31	20.11	21.63
EGPRS(8PSK)	1 TX Slot	23.79	23.84	23.88	24.8	-9.19	14.6	14.65	14.69	15.61
	2 TX Slots	21.75	21.85	21.93	22.8	-6.18	15.57	15.67	15.75	16.62
	3 TX Slots	19.75	19.85	19.91	20.8	-4.42	15.33	15.43	15.49	16.38
	4 TX Slots	17.61	17.77	17.78	18.8	-3.17	14.44	14.6	14.61	15.63

Table 13 : Conducted Power Of GSM

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Note:

- 1) . CMU200 measures GSM peak and average output power for active timeslots. For SAR the time based average power is relevant. The difference in between depends on the duty cycle of the TDMA signal:

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

- 2) . The frame-averaged power is linearly proportion to the slot number configured and it is linearly scaled the maximum burst-averaged power based on time slots. The calculated method is shown as below:

Frame-averaged power = $10 \times \log (\text{Burst-averaged power mW} \times \text{Slot used} / 8)$

- 3) . When the maximum output power variation across the required test channels is $> \frac{1}{2}$ dB, instead of the middle channel, the highest output power channel must be used

8.1.2.2 Conducted Power Of WCDMA

WCDMA Band II Receiver on(Left head)					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	16.7	16.64	16.56	17.5
	12.2kbps AMR	16.68	16.61	16.52	17.5
HSDPA	Subtest 1	16.12	15.94	15.91	17
	Subtest 2	15.49	15.41	15.29	16
	Subtest 3	14.59	14.74	14.67	15.5
	Subtest 4	15.11	14.86	14.72	15.5
HSUPA	Subtest 1	15.31	15.18	15.16	15.5
	Subtest 2	12.28	12.18	12.17	12.5
	Subtest 3	14.29	14.17	14.19	14.5
	Subtest 4	12.52	12.61	12.57	13
	Subtest 5	15.31	15.18	15.08	15.5
DC-HSDPA	Subtest 1	16.09	15.87	15.8	17
	Subtest 2	15.38	15.39	15.18	16
	Subtest 3	14.58	14.7	14.64	15.5
	Subtest 4	15.03	14.76	14.68	15.5

WCDMA Band II Receiver on(Right head)					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	15.69	15.63	15.52	16.5
	12.2kbps AMR	15.66	15.59	15.5	16.5
HSDPA	Subtest 1	15.01	14.97	14.95	16
	Subtest 2	14.4	14.37	14.45	15
	Subtest 3	13.57	13.53	13.68	14.5
	Subtest 4	14.96	13.71	13.54	14.5
HSUPA	Subtest 1	14.27	14.16	14.07	14.5
	Subtest 2	11.26	11.16	11.16	11.5
	Subtest 3	12.25	12.15	12.17	13.5
	Subtest 4	11.66	11.68	11.57	12
	Subtest 5	14.13	14.15	14.17	14.5
DC-HSDPA	Subtest 1	14.88	14.84	14.91	16
	Subtest 2	14.38	14.34	14.44	15
	Subtest 3	13.49	13.45	13.57	14.5
	Subtest 4	14.37	13.71	13.45	14.5

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WCDMA Band II Receiver off (Full Power)					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	20.75	20.72	20.61	21.5
	12.2kbps AMR	20.72	20.69	20.58	21.5
HSDPA	Subtest 1	20.29	19.95	19.83	21
	Subtest 2	19.92	19.54	19.65	20
	Subtest 3	19.05	18.82	18.85	19.5
	Subtest 4	19	18.71	18.73	19.5
HSUPA	Subtest 1	19.32	19.21	19.11	19.5
	Subtest 2	16.31	16.22	16.11	16.5
	Subtest 3	18.3	18.21	18.11	18.5
	Subtest 4	16.82	16.75	16.66	17
DC-HSDPA	Subtest 1	19.33	19.19	19.12	19.5
	Subtest 2	20.15	19.86	19.82	21
	Subtest 3	19.83	19.48	19.63	20
	Subtest 4	19.01	18.8	18.81	19.5
DC-HSDPA	Subtest 1	18.95	18.59	18.61	19.5
	Subtest 2	19.83	19.48	19.63	20
	Subtest 3	19.01	18.8	18.81	19.5
	Subtest 4	18.95	18.59	18.61	19.5

WCDMA Band II Receiver off + hotspot 2.4G					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	17.76	17.73	17.57	18.5
	12.2kbps AMR	17.72	17.69	17.54	18.5
HSDPA	Subtest 1	16.52	16.45	16.44	18
	Subtest 2	15.84	15.87	15.88	17
	Subtest 3	15.08	15.03	15.24	16.5
	Subtest 4	16.45	15.22	15.06	16.5
HSUPA	Subtest 1	15.74	15.69	15.54	16.5
	Subtest 2	12.82	12.71	12.63	13.5
	Subtest 3	13.77	13.65	13.71	15.5
	Subtest 4	13.12	13.2	13.11	14
DC-HSDPA	Subtest 1	15.63	15.7	15.64	16.5
	Subtest 2	16.36	16.37	16.44	18
	Subtest 3	15.95	15.84	15.91	17
	Subtest 4	14.94	14.9	15.04	16.5
DC-HSDPA	Subtest 1	16.3	15.29	14.9	16.5
	Subtest 2	15.95	15.84	15.91	17
	Subtest 3	14.94	14.9	15.04	16.5
	Subtest 4	16.3	15.29	14.9	16.5

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WCDMA Band II Receiver off + hotspot 5G					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	15.76	15.74	15.59	16.5
	12.2kbps AMR	15.73	15.71	15.55	16.5
HSDPA	Subtest 1	14.52	14.45	14.44	16
	Subtest 2	13.84	13.87	13.88	15
	Subtest 3	13.08	13.03	13.24	14.5
	Subtest 4	14.45	13.22	13.06	14.5
HSUPA	Subtest 1	13.74	13.69	13.54	14.5
	Subtest 2	10.82	10.71	10.63	11.5
	Subtest 3	11.77	11.65	11.71	13.5
	Subtest 4	11.12	11.2	11.11	12
	Subtest 5	13.63	13.7	13.64	14.5
DC-HSDPA	Subtest 1	14.36	14.37	14.44	16
	Subtest 2	13.95	13.84	13.91	15
	Subtest 3	12.94	12.9	13.04	14.5
	Subtest 4	14.3	13.29	12.9	14.5

WCDMA Band II Receiver on(Left head) +hotspot 2.4G					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	13.53	13.54	13.57	14.5
	12.2kbps AMR	13.5	13.51	13.53	14.5
HSDPA	Subtest 1	13.02	12.95	12.94	14
	Subtest 2	12.34	12.37	12.38	13
	Subtest 3	11.58	11.53	11.74	12.5
	Subtest 4	12.35	11.72	11.56	12.5
HSUPA	Subtest 1	12.24	12.19	12.04	12.5
	Subtest 2	9.32	9.21	9.13	9.5
	Subtest 3	10.27	10.15	10.21	11.5
	Subtest 4	9.62	9.7	9.61	10
	Subtest 5	12.13	12.2	12.14	12.5
DC-HSDPA	Subtest 1	12.86	12.87	12.94	14
	Subtest 2	12.45	12.34	12.41	13
	Subtest 3	11.44	11.4	11.54	12.5
	Subtest 4	12.3	11.79	11.4	12.5

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WCDMA Band II Receiver on(Right head) + hotspot 2.4G					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	12.61	12.54	12.58	13.5
	12.2kbps AMR	12.58	12.51	12.55	13.5
HSDPA	Subtest 1	12.08	12.03	12.04	13
	Subtest 2	11.36	11.46	11.41	12
	Subtest 3	10.68	10.63	10.83	11.5
	Subtest 4	11.96	10.79	10.63	11.5
HSUPA	Subtest 1	11.26	11.28	11.04	11.5
	Subtest 2	8.36	8.24	8.14	8.5
	Subtest 3	9.37	9.19	9.26	10.5
	Subtest 4	8.64	8.77	8.64	9
	Subtest 5	11.17	11.25	11.18	11.5
DC-HSDPA	Subtest 1	11.89	11.92	11.98	13
	Subtest 2	11.52	11.35	11.43	12
	Subtest 3	10.44	10.47	10.57	11.5
	Subtest 4	11.29	10.84	10.42	11.5

WCDMA Band II Receiver on(Left head) +hotspot 5G					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	11.55	11.57	11.59	12.5
	12.2kbps AMR	11.51	11.54	11.55	12.5
HSDPA	Subtest 1	10.98	10.99	11.01	12
	Subtest 2	10.33	10.43	10.36	11
	Subtest 3	9.6	9.59	9.79	10.5
	Subtest 4	10.94	9.72	9.61	10.5
HSUPA	Subtest 1	10.17	10.23	10	10.5
	Subtest 2	7.35	7.14	7.1	7.5
	Subtest 3	8.34	8.18	8.2	9.5
	Subtest 4	7.59	7.75	7.59	8
	Subtest 5	10.14	10.2	10.09	10.5
DC-HSDPA	Subtest 1	10.8	10.87	10.9	12
	Subtest 2	10.42	10.31	10.39	11
	Subtest 3	9.44	9.38	9.48	10.5
	Subtest 4	10.31	9.82	9.37	10.5

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Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	10.55	10.57	10.58	11.5
	12.2kbps AMR	10.52	10.54	10.54	11.5
HSDPA	Subtest 1	10.03	10.04	10.03	11
	Subtest 2	9.35	9.51	9.37	10
	Subtest 3	8.65	8.65	8.82	9.5
	Subtest 4	9.29	8.73	8.67	9.5
HSUPA	Subtest 1	9.27	9.32	9.06	9.5
	Subtest 2	6.35	6.17	6.16	6.5
	Subtest 3	7.4	7.18	7.3	8.5
	Subtest 4	6.63	6.82	6.68	7
	Subtest 5	9.23	9.23	9.13	9.5
DC-HSDPA	Subtest 1	9.8	9.93	9.97	11
	Subtest 2	9.49	9.4	9.42	10
	Subtest 3	8.49	8.46	8.54	9.5
	Subtest 4	9.35	8.91	8.43	9.5

WCDMA Band II Receiver on(Left head) + BT					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	14.57	14.58	14.62	15.5
	12.2kbps AMR	14.53	14.54	14.59	15.5
HSDPA	Subtest 1	14.02	14.02	13.99	15
	Subtest 2	13.27	13.5	13.36	14
	Subtest 3	12.39	12.64	12.78	13.5
	Subtest 4	13.27	12.73	12.58	13.5
HSUPA	Subtest 1	13.25	13.26	13.04	13.5
	Subtest 2	10.35	10.09	10.11	10.5
	Subtest 3	11.4	11.09	11.26	12.5
	Subtest 4	10.58	10.73	10.63	11
	Subtest 5	13.16	13.21	13.05	13.5
DC-HSDPA	Subtest 1	13.79	13.91	13.92	15
	Subtest 2	13.45	13.36	13.36	14
	Subtest 3	12.47	12.38	12.53	13.5
	Subtest 4	13.28	12.9	12.4	13.5

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WCDMA Band II Receiver on(Right head) + BT					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	13.56	13.55	13.59	14.5
	12.2kbps AMR	13.52	13.51	13.56	14.5
HSDPA	Subtest 1	13.06	13.11	13.02	14
	Subtest 2	12.28	12.55	12.38	13
	Subtest 3	11.61	11.64	11.79	12.5
	Subtest 4	12.02	11.77	11.58	12.5
HSUPA	Subtest 1	12.35	12.31	12.1	12.5
	Subtest 2	9.39	9.14	9.12	9.5
	Subtest 3	10.46	10.14	10.29	11.5
	Subtest 4	9.65	9.78	9.67	10
	Subtest 5	12.24	12.22	12.1	12.5
DC-HSDPA	Subtest 1	12.81	12.96	12.99	14
	Subtest 2	12.52	12.39	12.38	13
	Subtest 3	11.55	11.38	11.58	12.5
	Subtest 4	12.33	11.92	11.47	12.5

WCDMA Band II Receiver off + BT					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	18.61	18.57	18.47	19.5
	12.2kbps AMR	18.58	18.52	18.43	19.5
HSDPA	Subtest 1	18	18.06	17.97	19
	Subtest 2	17.19	17.49	17.35	18
	Subtest 3	16.56	16.54	16.77	17.5
	Subtest 4	17.29	16.73	16.53	17.5
HSUPA	Subtest 1	17.3	17.24	17.06	17.5
	Subtest 2	14.36	14.07	14.08	14.5
	Subtest 3	15.41	15.07	15.23	16.5
	Subtest 4	14.64	14.77	14.62	15
	Subtest 5	17.23	17.16	17.1	17.5
DC-HSDPA	Subtest 1	17.81	17.9	17.95	19
	Subtest 2	17.49	17.3	17.31	18
	Subtest 3	16.48	16.38	16.54	17.5
	Subtest 4	17.15	16.87	16.47	17.5

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WCDMA Band II Receiver on(Left head) + WiFi2.4G Ant1					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	13.56	13.57	13.51	14.5
	12.2kbps AMR	13.53	13.54	13.47	14.5
HSDPA	Subtest 1	12.96	12.99	12.89	14
	Subtest 2	12.17	12.4	12.32	13
	Subtest 3	11.54	11.5	11.74	12.5
	Subtest 4	12.19	11.72	11.52	12.5
HSUPA	Subtest 1	12.24	12.23	12.01	12.5
	Subtest 2	9.34	9.04	9	9.5
	Subtest 3	10.36	10.03	10.21	11.5
	Subtest 4	9.6	9.68	9.59	10
	Subtest 5	12.17	12.11	12.01	12.5
DC-HSDPA	Subtest 1	12.75	12.88	12.89	14
	Subtest 2	12.45	12.28	12.22	13
	Subtest 3	11.41	11.35	11.54	12.5
	Subtest 4	12.24	11.8	11.47	12.5

WCDMA Band II Receiver on(Right head) + WiFi2.4G Ant1					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	12.53	12.56	12.59	13.5
	12.2kbps AMR	12.49	12.53	12.55	13.5
HSDPA	Subtest 1	11.88	11.93	11.84	13
	Subtest 2	11.17	11.4	11.28	12
	Subtest 3	10.53	10.49	10.72	11.5
	Subtest 4	11.22	10.64	10.42	11.5
HSUPA	Subtest 1	11.17	11.12	10.98	11.5
	Subtest 2	8.28	7.93	7.95	8.5
	Subtest 3	9.33	9.02	9.13	10.5
	Subtest 4	8.58	8.62	8.58	9
	Subtest 5	11.16	11	10.99	11.5
DC-HSDPA	Subtest 1	11.7	11.8	11.83	13
	Subtest 2	11.4	11.23	11.15	12
	Subtest 3	10.37	10.28	10.51	11.5
	Subtest 4	11.24	10.7	10.36	11.5

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WCDMA Band II Receiver off + WiFi2.4G Ant1					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	17.62	17.58	17.47	18.5
	12.2kbps AMR	17.58	17.54	17.43	18.5
HSDPA	Subtest 1	16.92	16.93	16.93	18
	Subtest 2	16.26	16.44	16.36	17
	Subtest 3	15.55	15.52	15.76	16.5
	Subtest 4	16.17	15.73	15.46	16.5
HSUPA	Subtest 1	16.27	16.2	16.07	16.5
	Subtest 2	13.38	12.94	13.05	13.5
	Subtest 3	14.37	14.07	14.2	15.5
	Subtest 4	13.68	13.69	13.68	14
	Subtest 5	16.21	16.06	16.03	16.5
DC-HSDPA	Subtest 1	16.8	16.81	16.92	18
	Subtest 2	16.5	16.3	16.19	17
	Subtest 3	15.44	15.38	15.55	16.5
	Subtest 4	16.27	15.72	15.42	16.5

WCDMA Band II Receiver on(Left head) + WiFi5G Ant1/Ant2/MIMO					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	11.55	11.61	11.54	12.5
	12.2kbps AMR	11.52	11.57	11.49	12.5
HSDPA	Subtest 1	10.85	10.85	10.85	12
	Subtest 2	10.22	10.37	10.29	11
	Subtest 3	9.47	9.5	9.76	10.5
	Subtest 4	10.29	9.63	9.42	10.5
HSUPA	Subtest 1	10.26	10.14	10.01	10.5
	Subtest 2	7.3	6.87	7.05	7.5
	Subtest 3	8.28	8.04	8.12	9.5
	Subtest 4	7.64	7.67	7.6	8
	Subtest 5	10.13	9.99	9.98	10.5
DC-HSDPA	Subtest 1	10.76	10.79	10.91	12
	Subtest 2	10.46	10.25	10.11	11
	Subtest 3	9.38	9.33	9.48	10.5
	Subtest 4	10.15	9.69	9.42	10.5

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WCDMA Band II Receiver on(Right head) + WiFi5G Ant1/Ant2/MIMO					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	10.53	10.55	10.58	11.5
	12.2kbps AMR	10.49	10.51	10.56	11.5
HSDPA	Subtest 1	9.86	9.85	9.86	11
	Subtest 2	9.27	9.39	9.31	10
	Subtest 3	8.56	8.54	8.81	9.5
	Subtest 4	9.24	8.65	8.51	9.5
HSUPA	Subtest 1	9.31	9.23	9.04	9.5
	Subtest 2	6.34	5.93	6.07	6.5
	Subtest 3	7.33	7.14	7.18	8.5
	Subtest 4	6.65	6.68	6.69	7
	Subtest 5	9.15	9.08	9.07	9.5
DC-HSDPA	Subtest 1	9.79	9.85	9.93	11
	Subtest 2	9.5	9.33	9.14	10
	Subtest 3	8.45	8.4	8.52	9.5
	Subtest 4	9.22	8.74	8.45	9.5

WCDMA Band II Receiver off + WiFi5G Ant1/Ant2/MIMO					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	15.62	15.55	15.47	16.5
	12.2kbps AMR	15.58	15.51	15.44	16.5
HSDPA	Subtest 1	14.82	14.82	14.86	16
	Subtest 2	14.19	14.31	14.3	15
	Subtest 3	13.54	13.51	13.72	14.5
	Subtest 4	14.23	13.59	13.43	14.5
HSUPA	Subtest 1	14.22	14.16	14.01	14.5
	Subtest 2	11.28	10.85	11	11.5
	Subtest 3	12.33	12.12	12.11	13.5
	Subtest 4	11.62	11.62	11.63	12
	Subtest 5	14.12	14.07	14	14.5
DC-HSDPA	Subtest 1	14.72	14.84	14.92	16
	Subtest 2	14.38	14.27	14.05	15
	Subtest 3	13.43	13.36	13.4	14.5
	Subtest 4	14.3	13.65	13.35	14.5

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WCDMA Band II Receiver on(Left head) + BT + WiFi5G Ant1/Ant2/MIMO					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	11.55	11.61	11.54	12.5
	12.2kbps AMR	11.52	11.57	11.49	12.5
HSDPA	Subtest 1	10.85	10.85	10.85	12
	Subtest 2	10.22	10.37	10.29	11
	Subtest 3	9.47	9.5	9.76	10.5
	Subtest 4	10.19	9.63	9.42	10.5
HSUPA	Subtest 1	10.26	10.14	10.01	10.5
	Subtest 2	7.3	6.87	7.05	7.5
	Subtest 3	8.28	8.04	8.12	9.5
	Subtest 4	7.64	7.67	7.6	8
	Subtest 5	10.13	9.99	9.98	10.5
DC-HSDPA	Subtest 1	10.76	10.79	10.91	12
	Subtest 2	10.46	10.25	10.11	11
	Subtest 3	9.38	9.33	9.48	10.5
	Subtest 4	10.15	9.69	9.42	10.5

WCDMA Band II Receiver on(Right head) + BT + WiFi5G Ant1/Ant2/MIMO					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	10.53	10.55	10.58	11.5
	12.2kbps AMR	10.49	10.51	10.56	11.5
HSDPA	Subtest 1	9.86	9.85	9.86	11
	Subtest 2	9.27	9.39	9.31	10
	Subtest 3	8.56	8.54	8.81	9.5
	Subtest 4	9.24	8.65	8.51	9.5
HSUPA	Subtest 1	9.31	9.23	9.04	9.5
	Subtest 2	6.34	5.93	6.07	6.5
	Subtest 3	7.33	7.14	7.18	8.5
	Subtest 4	6.65	6.68	6.69	7
	Subtest 5	9.15	9.08	9.07	9.5
DC-HSDPA	Subtest 1	9.79	9.85	9.93	11
	Subtest 2	9.5	9.33	9.14	10
	Subtest 3	8.45	8.4	8.52	9.5
	Subtest 4	9.12	8.74	8.45	9.5

WCDMA Band II Receiver off + BT + WiFi5G Ant1/Ant2/MIMO					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	15.62	15.55	15.47	16.5
	12.2kbps AMR	15.58	15.51	15.44	16.5
HSDPA	Subtest 1	14.82	14.82	14.86	16
	Subtest 2	14.19	14.31	14.3	15
	Subtest 3	13.54	13.51	13.72	14.5
	Subtest 4	14.23	13.59	13.43	14.5
HSUPA	Subtest 1	14.22	14.16	14.01	14.5
	Subtest 2	11.28	10.85	11	11.5
	Subtest 3	12.33	12.12	12.11	13.5
	Subtest 4	11.62	11.62	11.63	12
	Subtest 5	14.12	14.07	14	14.5
DC-HSDPA	Subtest 1	14.72	14.84	14.92	16
	Subtest 2	14.38	14.27	14.05	15
	Subtest 3	13.43	13.36	13.4	14.5
	Subtest 4	14.1	13.65	13.35	14.5

WCDMA Band II Receiver on(Left head) + WiFi2.4G Ant1 + WiFi5G Ant2					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	13.56	13.57	13.51	14.5
	12.2kbps AMR	13.53	13.54	13.47	14.5
HSDPA	Subtest 1	12.96	12.99	12.89	14
	Subtest 2	12.17	12.4	12.32	13
	Subtest 3	11.54	11.5	11.74	12.5
	Subtest 4	12.19	11.72	11.52	12.5
HSUPA	Subtest 1	12.24	12.23	12.01	12.5
	Subtest 2	9.34	9.04	9	9.5
	Subtest 3	10.36	10.03	10.21	11.5
	Subtest 4	9.6	9.68	9.59	10
	Subtest 5	12.17	12.11	12.01	12.5
DC-HSDPA	Subtest 1	12.75	12.88	12.89	14
	Subtest 2	12.45	12.28	12.22	13
	Subtest 3	11.41	11.35	11.54	12.5
	Subtest 4	12.14	11.8	11.47	12.5

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WCDMA Band II Receiver on(Right head) + WiFi2.4G Ant1 + WiFi5G Ant2					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	12.53	12.56	12.59	13.5
	12.2kbps AMR	12.49	12.53	12.55	13.5
HSDPA	Subtest 1	11.88	11.93	11.84	13
	Subtest 2	11.17	11.4	11.28	12
	Subtest 3	10.53	10.49	10.72	11.5
	Subtest 4	11.12	10.64	10.42	11.5
HSUPA	Subtest 1	11.17	11.12	10.98	11.5
	Subtest 2	8.28	7.93	7.95	8.5
	Subtest 3	9.33	9.02	9.13	10.5
	Subtest 4	8.58	8.62	8.58	9
	Subtest 5	11.16	11	10.99	11.5
DC-HSDPA	Subtest 1	11.7	11.8	11.83	13
	Subtest 2	11.4	11.23	11.15	12
	Subtest 3	10.37	10.28	10.51	11.5
	Subtest 4	11.14	10.7	10.36	11.5

WCDMA Band II Receiver off + WiFi2.4G Ant1 + WiFi5G Ant2					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	17.62	17.58	17.47	18.5
	12.2kbps AMR	17.58	17.54	17.43	18.5
HSDPA	Subtest 1	16.92	16.93	16.93	18
	Subtest 2	16.26	16.44	16.36	17
	Subtest 3	15.55	15.52	15.76	16.5
	Subtest 4	16.17	15.73	15.46	16.5
HSUPA	Subtest 1	16.27	16.2	16.07	16.5
	Subtest 2	13.38	12.94	13.05	13.5
	Subtest 3	14.37	14.07	14.2	15.5
	Subtest 4	13.68	13.69	13.68	14
	Subtest 5	16.21	16.06	16.03	16.5
DC-HSDPA	Subtest 1	16.8	16.81	16.92	18
	Subtest 2	16.5	16.3	16.19	17
	Subtest 3	15.44	15.38	15.55	16.5
	Subtest 4	16.17	15.72	15.42	16.5

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WCDMA Band IV Receiver on(Left head)					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	18.61	18.59	18.58	19.5
	12.2kbps AMR	18.58	18.56	18.56	19.5
HSDPA	Subtest 1	18.03	17.72	17.85	19
	Subtest 2	17.54	17.32	17.43	18
	Subtest 3	16.91	16.53	16.72	17.5
	Subtest 4	16.83	16.61	16.6	17.5
HSUPA	Subtest 1	17.24	17.05	17.07	17.5
	Subtest 2	14.21	14.03	14.04	15
	Subtest 3	14.72	14.56	14.59	15.5
	Subtest 4	14.76	14.58	14.62	15.5
	Subtest 5	17.22	17.04	17.07	17.5
DC-HSDPA	Subtest 1	18.02	17.66	17.79	19
	Subtest 2	17.51	17.22	17.33	18
	Subtest 3	16.82	16.45	16.65	17.5
	Subtest 4	16.75	16.58	16.51	17.5

WCDMA Band IV Receiver on(Right head)					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	17.13	17.13	17.14	18
	12.2kbps AMR	17.11	17.12	17.12	18
HSDPA	Subtest 1	15.54	15.34	15.35	17.5
	Subtest 2	16.13	15.87	15.91	16.5
	Subtest 3	15.27	15.88	15.12	16
	Subtest 4	15.13	15.95	14.96	16
HSUPA	Subtest 1	15.71	15.54	15.56	16
	Subtest 2	12.69	12.52	12.58	13.5
	Subtest 3	13.21	13.13	13.05	14
	Subtest 4	13.24	13.16	13.09	14
	Subtest 5	15.69	15.56	15.57	16
DC-HSDPA	Subtest 1	15.46	15.28	15.34	17.5
	Subtest 2	16.05	15.84	15.86	16.5
	Subtest 3	15.18	15.85	15.09	16
	Subtest 4	15.11	15.95	14.88	16

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WCDMA Band IV Receiver off (Full Power)					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	20.69	20.62	20.65	21.5
	12.2kbps AMR	20.66	20.58	20.62	21.5
HSDPA	Subtest 1	20.15	19.95	19.94	21
	Subtest 2	19.69	19.45	19.47	20
	Subtest 3	19.05	18.84	18.84	19.5
	Subtest 4	18.93	18.67	18.81	19.5
HSUPA	Subtest 1	19.24	19.1	19.09	19.5
	Subtest 2	16.23	16.08	16.09	17
	Subtest 3	16.72	16.49	16.58	17.5
	Subtest 4	16.71	16.5	16.54	17.5
DC-HSDPA	Subtest 1	19.22	19.07	19.1	19.5
	Subtest 2	20.11	19.92	19.88	21
	Subtest 3	19.64	19.41	19.46	20
	Subtest 4	19.02	18.83	18.75	19.5
DC-HSDPA	Subtest 1	18.84	18.56	18.77	19.5
	Subtest 2				
	Subtest 3				
	Subtest 4				

WCDMA Band IV Receiver off + hotspot 2.4G					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	17.73	17.63	17.64	18.5
	12.2kbps AMR	17.69	17.6	17.61	18.5
HSDPA	Subtest 1	17.14	16.89	16.91	18
	Subtest 2	16.59	16.37	16.46	17
	Subtest 3	16.01	15.72	15.82	16.5
	Subtest 4	15.85	15.64	15.73	16.5
HSUPA	Subtest 1	16.13	16.01	16.05	16.5
	Subtest 2	13.21	13.01	13.02	14
	Subtest 3	13.67	13.44	13.5	14.5
	Subtest 4	13.62	13.42	13.49	14.5
DC-HSDPA	Subtest 1	16.14	15.99	16.05	16.5
	Subtest 2	17.03	16.81	16.81	18
	Subtest 3	16.6	16.33	16.4	17
	Subtest 4	16.01	15.77	15.73	16.5
DC-HSDPA	Subtest 1	15.15	15.54	15.68	16.5
	Subtest 2				
	Subtest 3				
	Subtest 4				

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WCDMA Band IV Receiver off + hotspot 5G					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	15.68	15.63	15.67	16.5
	12.2kbps AMR	15.66	15.61	15.64	16.5
HSDPA	Subtest 1	15.11	14.87	14.82	16
	Subtest 2	14.57	14.34	14.37	15
	Subtest 3	13.94	13.68	13.78	14.5
	Subtest 4	13.76	13.61	13.67	14.5
HSUPA	Subtest 1	14.11	13.94	14.05	14.5
	Subtest 2	11.2	10.99	10.97	12
	Subtest 3	11.63	11.4	11.5	12.5
	Subtest 4	11.57	11.37	11.43	12.5
	Subtest 5	14.12	13.96	14.05	14.5
DC-HSDPA	Subtest 1	14.98	14.79	14.78	16
	Subtest 2	14.54	14.29	14.31	15
	Subtest 3	13.92	13.67	13.67	14.5
	Subtest 4	13.7	13.52	13.61	14.5

WCDMA Band IV Receiver on(Left head) + hotspot 2.4G					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	15.67	15.5	15.52	16.5
	12.2kbps AMR	15.64	15.47	15.48	16.5
HSDPA	Subtest 1	15.02	14.85	14.75	16
	Subtest 2	14.48	14.25	14.35	15
	Subtest 3	13.9	13.64	13.77	14.5
	Subtest 4	13.68	13.57	13.58	14.5
HSUPA	Subtest 1	14.06	13.91	14.04	14.5
	Subtest 2	11.19	10.89	10.89	12
	Subtest 3	11.6	11.38	11.47	12.5
	Subtest 4	11.52	11.28	11.4	12.5
	Subtest 5	14.11	13.91	14.01	14.5
DC-HSDPA	Subtest 1	14.93	14.7	14.75	16
	Subtest 2	14.53	14.26	14.26	15
	Subtest 3	13.89	13.66	13.66	14.5
	Subtest 4	13.69	13.47	13.57	14.5

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WCDMA Band IV Receiver on(Right head) + hotspot 2.4G					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	14.12	14.03	14.07	15
	12.2kbps AMR	14.09	13.99	14.04	15
HSDPA	Subtest 1	13.43	13.31	13.18	14.5
	Subtest 2	12.95	12.72	12.84	13.5
	Subtest 3	12.33	12.08	12.24	13
	Subtest 4	12.14	11.97	12.06	13
HSUPA	Subtest 1	12.5	12.32	12.53	13
	Subtest 2	9.68	9.3	9.3	10.5
	Subtest 3	10.09	9.86	9.92	11
	Subtest 4	10	9.77	9.85	11
	Subtest 5	12.56	12.33	12.44	13
DC-HSDPA	Subtest 1	13.37	13.16	13.21	14.5
	Subtest 2	12.94	12.74	12.7	13.5
	Subtest 3	12.29	12.06	12.1	13
	Subtest 4	12.09	11.87	12.02	13

WCDMA Band IV Receiver on(Left head) + hotspot 5G					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	13.63	13.58	13.57	14.5
	12.2kbps AMR	13.61	13.55	13.54	14.5
HSDPA	Subtest 1	12.97	12.82	12.7	14
	Subtest 2	12.56	12.23	12.39	13
	Subtest 3	11.89	11.69	11.79	12.5
	Subtest 4	11.73	11.55	11.66	12.5
HSUPA	Subtest 1	12.02	11.86	12.1	12.5
	Subtest 2	9.23	8.84	8.81	10
	Subtest 3	9.66	9.46	9.44	10.5
	Subtest 4	9.57	9.34	9.38	10.5
	Subtest 5	12.16	11.92	11.98	12.5
DC-HSDPA	Subtest 1	12.98	12.76	12.73	14
	Subtest 2	12.49	12.31	12.29	13
	Subtest 3	11.89	11.67	11.69	12.5
	Subtest 4	11.69	11.46	11.57	12.5

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WCDMA Band IV Receiver on(Right head) + hotspot 5G					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	12.05	11.98	12	13
	12.2kbps AMR	12.02	11.95	11.96	13
HSDPA	Subtest 1	11.51	11.35	11.27	12.5
	Subtest 2	11.11	10.74	10.98	11.5
	Subtest 3	10.49	10.25	10.3	11
	Subtest 4	10.29	10.14	10.18	11
HSUPA	Subtest 1	10.54	10.43	10.67	11
	Subtest 2	7.78	7.35	7.34	8.5
	Subtest 3	8.24	8.05	7.99	9
	Subtest 4	8.13	7.93	7.91	9
	Subtest 5	10.69	10.5	10.5	11
DC-HSDPA	Subtest 1	11.53	11.33	11.26	12.5
	Subtest 2	11.06	10.88	10.82	11.5
	Subtest 3	10.41	10.19	10.24	11
	Subtest 4	10.24	9.97	10.11	11

WCDMA Band IV Receiver on(Left head) + BT					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	16.61	16.66	16.51	17.5
	12.2kbps AMR	16.58	16.64	16.47	17.5
HSDPA	Subtest 1	15.97	15.78	15.74	17
	Subtest 2	15.56	15.23	15.46	16
	Subtest 3	14.95	14.7	14.77	15.5
	Subtest 4	14.73	14.62	14.66	15.5
HSUPA	Subtest 1	14.94	14.9	15.12	15.5
	Subtest 2	12.25	11.82	11.8	13
	Subtest 3	12.64	12.53	12.48	13.5
	Subtest 4	12.54	12.42	12.38	13.5
	Subtest 5	15.15	15	14.94	15.5
DC-HSDPA	Subtest 1	16.02	15.75	15.7	17
	Subtest 2	15.47	15.37	15.31	16
	Subtest 3	14.86	14.65	14.71	15.5
	Subtest 4	14.69	14.37	14.54	15.5

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WCDMA Band IV Receiver on(Right head) + BT					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	15.13	14.98	15.02	16
	12.2kbps AMR	15.11	14.96	14.98	16
HSDPA	Subtest 1	14.51	14.38	14.29	15.5
	Subtest 2	14.06	13.74	13.99	14.5
	Subtest 3	13.45	13.28	13.33	14
	Subtest 4	13.31	13.15	13.18	14
HSUPA	Subtest 1	13.44	13.4	13.69	14
	Subtest 2	10.76	10.35	10.34	11.5
	Subtest 3	11.14	11.03	11.05	12
	Subtest 4	11.1	10.95	10.96	12
	Subtest 5	13.71	13.58	13.45	14
DC-HSDPA	Subtest 1	14.57	14.29	14.25	15.5
	Subtest 2	13.98	13.94	13.82	14.5
	Subtest 3	13.4	13.19	13.27	14
	Subtest 4	13.27	12.89	13.11	14

WCDMA Band IV Receiver off + BT					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	18.62	18.56	18.59	19.5
	12.2kbps AMR	18.59	18.53	18.56	19.5
HSDPA	Subtest 1	17.94	17.84	17.7	19
	Subtest 2	17.53	17.14	17.41	18
	Subtest 3	16.85	16.71	16.77	17.5
	Subtest 4	16.75	16.59	16.58	17.5
HSUPA	Subtest 1	16.89	16.89	17.17	17.5
	Subtest 2	14.24	13.76	13.75	15
	Subtest 3	14.55	14.45	14.44	15.5
	Subtest 4	14.56	14.42	14.42	15.5
	Subtest 5	17.17	17.03	16.87	17.5
DC-HSDPA	Subtest 1	18.06	17.7	17.67	19
	Subtest 2	17.41	17.37	17.26	18
	Subtest 3	16.8	16.58	16.67	17.5
	Subtest 4	16.69	16.28	16.55	17.5

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WCDMA Band IV Receiver on(Left head) + WiFi2.4G Ant1					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	15.61	15.52	15.57	16.5
	12.2kbps AMR	15.58	15.49	15.55	16.5
HSDPA	Subtest 1	15.01	14.87	14.84	16
	Subtest 2	14.54	14.26	14.43	15
	Subtest 3	13.87	13.77	13.82	14.5
	Subtest 4	13.77	13.7	13.64	14.5
HSUPA	Subtest 1	13.92	13.89	14.24	14.5
	Subtest 2	11.33	10.81	10.83	12
	Subtest 3	11.56	11.57	11.54	12.5
	Subtest 4	11.7	11.53	11.54	12.5
	Subtest 5	14.26	14.1	13.91	14.5
DC-HSDPA	Subtest 1	15.19	14.8	14.69	16
	Subtest 2	14.51	14.42	14.34	15
	Subtest 3	13.8	13.59	13.69	14.5
	Subtest 4	13.8	13.42	13.62	14.5

WCDMA Band IV Receiver on(Right head) + WiFi2.4G Ant1					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	14.08	14.05	14	15
	12.2kbps AMR	14.06	14.02	13.97	15
HSDPA	Subtest 1	13.56	13.43	13.35	14.5
	Subtest 2	13.06	12.81	12.96	13.5
	Subtest 3	12.45	12.38	12.43	13
	Subtest 4	12.35	12.2	12.16	13
HSUPA	Subtest 1	12.51	12.49	12.74	13
	Subtest 2	9.88	9.38	9.33	10.5
	Subtest 3	10.09	10.11	10.09	11
	Subtest 4	10.24	10.08	10.05	11
	Subtest 5	12.82	12.71	12.43	13
DC-HSDPA	Subtest 1	13.77	13.33	13.27	14.5
	Subtest 2	13.08	12.92	12.88	13.5
	Subtest 3	12.4	12.18	12.21	13
	Subtest 4	12.39	11.94	12.22	13

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WCDMA Band IV Receiver off + WiFi2.4G Ant1					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	17.66	17.56	17.57	18.5
	12.2kbps AMR	17.64	17.53	17.54	18.5
HSDPA	Subtest 1	17.14	17.02	16.89	18
	Subtest 2	16.62	16.37	16.47	17
	Subtest 3	15.97	15.96	16.01	16.5
	Subtest 4	15.86	15.75	15.67	16.5
HSUPA	Subtest 1	16.07	16.08	16.27	16.5
	Subtest 2	13.4	12.93	12.92	14
	Subtest 3	13.67	13.68	13.6	14.5
	Subtest 4	13.8	13.67	13.55	14.5
	Subtest 5	16.41	16.3	15.99	16.5
DC-HSDPA	Subtest 1	17.29	16.87	16.81	18
	Subtest 2	16.63	16.5	16.47	17
	Subtest 3	15.96	15.75	15.73	16.5
	Subtest 4	15.9	15.52	15.82	16.5

WCDMA Band IV Receiver on(Left head) + WiFi5G Ant1/Ant2/MIMO					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	13.63	13.62	13.54	14.5
	12.2kbps AMR	13.61	13.59	13.52	14.5
HSDPA	Subtest 1	13.14	13.09	12.93	14
	Subtest 2	12.73	12.45	12.56	13
	Subtest 3	12.02	12.03	12.06	12.5
	Subtest 4	11.96	11.76	11.75	12.5
HSUPA	Subtest 1	12.1	12.15	12.39	12.5
	Subtest 2	9.49	9.04	8.99	10
	Subtest 3	9.74	9.73	9.6	10.5
	Subtest 4	9.88	9.76	9.65	10.5
	Subtest 5	12.5	12.33	12.1	12.5
DC-HSDPA	Subtest 1	13.37	12.87	12.81	14
	Subtest 2	12.66	12.57	12.48	13
	Subtest 3	11.98	11.83	11.85	12.5
	Subtest 4	11.95	11.55	11.83	12.5

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WCDMA Band IV Receiver on(Right head) + WiFi5G Ant1/Ant2/MIMO					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	12.07	12.01	12.02	13
	12.2kbps AMR	12.04	11.98	11.98	13
HSDPA	Subtest 1	11.55	11.54	11.32	12.5
	Subtest 2	11.15	10.89	11.02	11.5
	Subtest 3	10.51	10.47	10.55	11
	Subtest 4	10.37	10.16	10.25	11
HSUPA	Subtest 1	10.59	10.62	10.85	11
	Subtest 2	7.91	7.52	7.39	8.5
	Subtest 3	8.23	8.13	7.98	9
	Subtest 4	8.28	8.25	8.03	9
	Subtest 5	10.88	10.82	10.55	11
DC-HSDPA	Subtest 1	11.78	11.32	11.31	12.5
	Subtest 2	11.14	11.06	10.9	11.5
	Subtest 3	10.42	10.26	10.23	11
	Subtest 4	10.44	10.01	10.24	11

WCDMA Band IV Receiver off + WiFi5G Ant1/Ant2/MIMO					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	15.58	15.53	15.52	16.5
	12.2kbps AMR	15.54	15.49	15.48	16.5
HSDPA	Subtest 1	15.17	15.04	14.9	16
	Subtest 2	14.79	14.47	14.45	15
	Subtest 3	13.91	13.98	14.03	14.5
	Subtest 4	13.95	13.74	13.75	14.5
HSUPA	Subtest 1	14.01	14.13	14.48	14.5
	Subtest 2	11.43	11.09	11	12
	Subtest 3	11.68	11.69	11.63	12.5
	Subtest 4	11.81	11.8	11.68	12.5
	Subtest 5	14.5	14.36	14.04	14.5
DC-HSDPA	Subtest 1	15.42	14.9	14.77	16
	Subtest 2	14.64	14.63	14.48	15
	Subtest 3	13.98	13.73	13.79	14.5
	Subtest 4	14.01	13.46	13.91	14.5

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WCDMA Band IV Receiver on(Left head) + BT + WiFi5G Ant1/Ant2/MIMO					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	13.63	13.62	13.54	14.5
	12.2kbps AMR	13.61	13.59	13.52	14.5
HSDPA	Subtest 1	13.14	13.09	12.93	14
	Subtest 2	12.73	12.45	12.56	13
	Subtest 3	12.02	12.03	12.06	12.5
	Subtest 4	11.96	11.76	11.75	12.5
HSUPA	Subtest 1	12.1	12.15	12.39	12.5
	Subtest 2	9.49	9.04	8.99	10
	Subtest 3	9.74	9.73	9.6	10.5
	Subtest 4	9.88	9.76	9.65	10.5
	Subtest 5	12.15	12.33	12.1	12.5
DC-HSDPA	Subtest 1	13.37	12.87	12.81	14
	Subtest 2	12.66	12.57	12.48	13
	Subtest 3	11.98	11.83	11.85	12.5
	Subtest 4	11.95	11.55	11.83	12.5

WCDMA Band IV Receiver on(Right head) + BT + WiFi5G Ant1/Ant2/MIMO					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	12.07	12.01	12.02	13
	12.2kbps AMR	12.04	11.98	11.98	13
HSDPA	Subtest 1	11.55	11.54	11.32	12.5
	Subtest 2	11.15	10.89	11.02	11.5
	Subtest 3	10.51	10.47	10.55	11
	Subtest 4	10.37	10.16	10.25	11
HSUPA	Subtest 1	10.59	10.62	10.85	11
	Subtest 2	7.91	7.52	7.39	8.5
	Subtest 3	8.23	8.13	7.98	9
	Subtest 4	8.28	8.25	8.03	9
	Subtest 5	10.88	10.82	10.55	11
DC-HSDPA	Subtest 1	11.78	11.32	11.31	12.5
	Subtest 2	11.14	11.06	10.9	11.5
	Subtest 3	10.42	10.26	10.23	11
	Subtest 4	10.44	10.01	10.24	11

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WCDMA Band IV Receiver off + BT + WiFi5G Ant1/Ant2/MIMO					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	15.58	15.53	15.52	16.5
	12.2kbps AMR	15.54	15.49	15.48	16.5
HSDPA	Subtest 1	15.17	15.04	14.9	16
	Subtest 2	14.79	14.47	14.45	15
	Subtest 3	13.91	13.98	14.03	14.5
	Subtest 4	13.95	13.74	13.75	14.5
HSUPA	Subtest 1	14.01	14.13	14.48	14.5
	Subtest 2	11.43	11.09	11	12
	Subtest 3	11.68	11.69	11.63	12.5
	Subtest 4	11.81	11.8	11.68	12.5
	Subtest 5	14.5	14.36	14.04	14.5
DC-HSDPA	Subtest 1	15.42	14.9	14.77	16
	Subtest 2	14.64	14.63	14.48	15
	Subtest 3	13.98	13.73	13.79	14.5
	Subtest 4	14.01	13.46	13.91	14.5

WCDMA Band IV Receiver on(Left head) + WiFi2.4G Ant1 + WiFi5G Ant2					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	15.61	15.52	15.57	16.5
	12.2kbps AMR	15.58	15.49	15.55	16.5
HSDPA	Subtest 1	15.01	14.87	14.84	16
	Subtest 2	14.54	14.26	14.43	15
	Subtest 3	13.87	13.77	13.82	14.5
	Subtest 4	13.77	13.7	13.64	14.5
HSUPA	Subtest 1	13.92	13.89	14.24	14.5
	Subtest 2	11.33	10.81	10.83	12
	Subtest 3	11.56	11.57	11.54	12.5
	Subtest 4	11.7	11.53	11.54	12.5
	Subtest 5	14.26	14.1	13.91	14.5
DC-HSDPA	Subtest 1	15.19	14.8	14.69	16
	Subtest 2	14.51	14.42	14.34	15
	Subtest 3	13.8	13.59	13.69	14.5
	Subtest 4	13.8	13.42	13.62	14.5

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WCDMA Band IV Receiver on(Right head) + Wi-Fi2.4G Ant1 + Wi-Fi5G Ant2					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	14.08	14.05	14	15
	12.2kbps AMR	14.06	14.02	13.97	15
HSDPA	Subtest 1	13.56	13.43	13.35	14.5
	Subtest 2	13.06	12.81	12.96	13.5
	Subtest 3	12.45	12.38	12.43	13
	Subtest 4	12.35	12.2	12.16	13
HSUPA	Subtest 1	12.51	12.49	12.74	13
	Subtest 2	9.88	9.38	9.33	10.5
	Subtest 3	10.09	10.11	10.09	11
	Subtest 4	10.24	10.08	10.05	11
	Subtest 5	12.82	12.71	12.43	13
DC-HSDPA	Subtest 1	13.77	13.33	13.27	14.5
	Subtest 2	13.08	12.92	12.88	13.5
	Subtest 3	12.4	12.18	12.21	13
	Subtest 4	12.39	11.94	12.22	13

WCDMA Band IV Receiver off + Wi-Fi2.4G Ant1 + Wi-Fi5G Ant2					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	17.66	17.56	17.57	18.5
	12.2kbps AMR	17.64	17.53	17.54	18.5
HSDPA	Subtest 1	17.14	17.02	16.89	18
	Subtest 2	16.62	16.37	16.47	17
	Subtest 3	15.97	15.96	16.01	16.5
	Subtest 4	15.86	15.75	15.67	16.5
HSUPA	Subtest 1	16.07	16.08	16.27	16.5
	Subtest 2	13.4	12.93	12.92	14
	Subtest 3	13.67	13.68	13.6	14.5
	Subtest 4	13.8	13.67	13.55	14.5
	Subtest 5	16.41	16.3	15.99	16.5
DC-HSDPA	Subtest 1	17.29	16.87	16.81	18
	Subtest 2	16.63	16.5	16.47	17
	Subtest 3	15.96	15.75	15.73	16.5
	Subtest 4	15.9	15.52	15.82	16.5

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WCDMA Band V Receiver on(Left head)					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	19.42	19.38	19.35	20.5
	12.2kbps AMR	19.39	19.36	19.32	20.5
HSDPA	Subtest 1	18.78	18.85	18.77	20.5
	Subtest 2	18.31	18.35	18.29	20
	Subtest 3	17.73	17.82	17.84	19.5
	Subtest 4	17.69	17.76	17.78	19.5
HSUPA	Subtest 1	18.53	18.51	18.45	20
	Subtest 2	16.16	16.09	16.15	17.5
	Subtest 3	16.68	16.61	16.67	18
	Subtest 4	16.02	16.13	16.12	17
	Subtest 5	17.06	17.02	17.14	18.5
DC-HSDPA	Subtest 1	18.75	18.79	18.68	20.5
	Subtest 2	18.27	18.23	18.17	20
	Subtest 3	17.62	17.72	17.83	19.5
	Subtest 4	17.68	17.76	17.81	19.5

WCDMA Band V Receiver on(Right head)					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	19.46	19.4	19.38	20.5
	12.2kbps AMR	19.43	19.37	19.35	20.5
HSDPA	Subtest 1	18.72	18.79	18.71	20.5
	Subtest 2	18.25	18.32	18.21	20
	Subtest 3	17.73	17.74	17.76	19.5
	Subtest 4	17.62	17.69	17.75	19.5
HSUPA	Subtest 1	18.46	18.42	18.39	20
	Subtest 2	16.11	16.01	16.11	17.5
	Subtest 3	16.65	16.54	16.64	18
	Subtest 4	15.94	16.1	16.03	17
	Subtest 5	16.99	16.99	17.09	18.5
DC-HSDPA	Subtest 1	18.71	18.77	18.65	20.5
	Subtest 2	18.18	18.21	18.14	20
	Subtest 3	17.56	17.67	17.79	19.5
	Subtest 4	17.67	17.66	17.79	19.5

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WCDMA Band V Receiver off (Full Power)					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	23.48	23.47	23.43	24.5
	12.2kbps AMR	23.45	23.44	23.4	24.5
HSDPA	Subtest 1	22.62	22.71	22.71	24.5
	Subtest 2	22.19	22.22	22.15	24
	Subtest 3	21.7	21.71	21.66	23.5
	Subtest 4	21.54	21.67	21.74	23.5
HSUPA	Subtest 1	22.41	22.42	22.35	24
	Subtest 2	20.07	19.96	20.04	21.5
	Subtest 3	20.56	20.46	20.63	22
	Subtest 4	19.85	20.01	20.01	21
	Subtest 5	20.91	20.91	21.06	22.5
DC-HSDPA	Subtest 1	22.66	22.72	22.56	24.5
	Subtest 2	22.12	22.15	22.13	24
	Subtest 3	21.51	21.65	21.73	23.5
	Subtest 4	21.61	21.64	21.72	23.5

WCDMA Band V Receiver off + hotspot 2.4G					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	20.47	20.44	20.41	21.5
	12.2kbps AMR	20.44	20.41	20.37	21.5
HSDPA	Subtest 1	19.53	19.68	19.68	21.5
	Subtest 2	19.15	19.1	19.07	21
	Subtest 3	18.68	18.71	18.58	20.5
	Subtest 4	18.44	18.67	18.65	20.5
HSUPA	Subtest 1	19.35	19.39	19.31	21
	Subtest 2	16.97	16.94	16.94	18.5
	Subtest 3	17.53	17.41	17.55	19
	Subtest 4	16.79	16.92	16.93	18
	Subtest 5	17.89	17.89	18.01	19.5
DC-HSDPA	Subtest 1	19.6	19.67	19.51	21.5
	Subtest 2	19.01	19.06	19.07	21
	Subtest 3	18.4	18.53	18.61	20.5
	Subtest 4	18.52	18.53	18.66	20.5

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WCDMA Band V Receiver off + hotspot 5G					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	18.45	18.43	18.38	19.5
	12.2kbps AMR	18.41	18.39	18.36	19.5
HSDPA	Subtest 1	17.61	17.68	17.68	19.5
	Subtest 2	17.15	17.17	17.09	19
	Subtest 3	16.7	16.81	16.65	18.5
	Subtest 4	16.54	16.7	16.74	18.5
HSUPA	Subtest 1	17.36	17.39	17.34	19
	Subtest 2	15.07	15.05	14.97	16.5
	Subtest 3	15.64	15.46	15.65	17
	Subtest 4	14.85	14.94	15	16
	Subtest 5	15.96	15.98	16.05	17.5
DC-HSDPA	Subtest 1	17.64	17.69	17.61	19.5
	Subtest 2	17.06	17.07	17.15	19
	Subtest 3	16.45	16.59	16.7	18.5
	Subtest 4	16.54	16.6	16.73	18.5

WCDMA Band V Receiver on(Left head) + hotspot 2.4G					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	16.43	16.41	16.43	17.5
	12.2kbps AMR	16.41	16.37	16.41	17.5
HSDPA	Subtest 1	15.67	15.8	15.75	17.5
	Subtest 2	15.15	15.26	15.18	17
	Subtest 3	14.73	14.93	14.7	16.5
	Subtest 4	14.58	14.78	14.8	16.5
HSUPA	Subtest 1	15.43	15.5	15.44	17
	Subtest 2	13.08	13.11	12.98	14.5
	Subtest 3	13.71	13.49	13.73	15
	Subtest 4	12.91	12.97	13.08	14
	Subtest 5	13.97	14.07	14.16	15.5
DC-HSDPA	Subtest 1	15.67	15.7	15.72	17.5
	Subtest 2	15.15	15.18	15.19	17
	Subtest 3	14.49	14.67	14.72	16.5
	Subtest 4	14.62	14.66	14.83	16.5

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WCDMA Band V Receiver on(Right head) + hotspot 2.4G					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	16.43	16.41	16.43	17.5
	12.2kbps AMR	16.41	16.37	16.4	17.5
HSDPA	Subtest 1	15.71	15.83	15.77	17.5
	Subtest 2	15.2	15.29	15.21	17
	Subtest 3	14.76	15	14.76	16.5
	Subtest 4	14.6	14.87	14.85	16.5
HSUPA	Subtest 1	15.53	15.5	15.45	17
	Subtest 2	13.17	13.18	13.01	14.5
	Subtest 3	13.72	13.55	13.74	15
	Subtest 4	12.93	13.04	13.13	14
	Subtest 5	13.98	14.13	14.23	15.5
DC-HSDPA	Subtest 1	15.67	15.7	15.82	17.5
	Subtest 2	15.23	15.23	15.22	17
	Subtest 3	14.55	14.68	14.75	16.5
	Subtest 4	14.66	14.72	14.9	16.5

WCDMA Band V Receiver on(Left head) + hotspot 5G					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	14.55	14.42	14.38	15.5
	12.2kbps AMR	14.52	14.41	14.35	15.5
HSDPA	Subtest 1	13.78	13.86	13.84	15.5
	Subtest 2	13.23	13.34	13.26	15
	Subtest 3	12.79	13.06	12.83	14.5
	Subtest 4	12.68	12.97	12.9	14.5
HSUPA	Subtest 1	13.55	13.53	13.53	15
	Subtest 2	11.17	11.22	11.08	12.5
	Subtest 3	11.75	11.62	11.81	13
	Subtest 4	11.03	11.08	11.17	12
	Subtest 5	12.01	12.19	12.29	13.5
DC-HSDPA	Subtest 1	13.75	13.75	13.89	15.5
	Subtest 2	13.23	13.25	13.26	15
	Subtest 3	12.56	12.71	12.79	14.5
	Subtest 4	12.72	12.8	12.9	14.5

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WCDMA Band V Receiver on(Right head) + hotspot 5G					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	14.55	14.42	14.38	15.5
	12.2kbps AMR	14.52	14.41	14.35	15.5
HSDPA	Subtest 1	13.72	13.83	13.82	15.5
	Subtest 2	13.12	13.24	13.24	15
	Subtest 3	12.74	13.02	12.76	14.5
	Subtest 4	12.62	12.94	12.87	14.5
HSUPA	Subtest 1	13.44	13.5	13.42	15
	Subtest 2	11.13	11.14	10.97	12.5
	Subtest 3	11.68	11.61	11.74	13
	Subtest 4	10.99	11	11.09	12
	Subtest 5	11.93	12.12	12.2	13.5
DC-HSDPA	Subtest 1	13.68	13.7	13.81	15.5
	Subtest 2	13.15	13.21	13.22	15
	Subtest 3	12.47	12.7	12.71	14.5
	Subtest 4	12.69	12.71	12.88	14.5

WCDMA Band V Receiver on(Left head) + BT					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	17.43	17.46	17.39	18.5
	12.2kbps AMR	17.41	17.43	17.37	18.5
HSDPA	Subtest 1	16.68	16.78	16.72	18.5
	Subtest 2	16.1	16.22	16.24	18
	Subtest 3	15.72	15.94	15.68	17.5
	Subtest 4	15.53	15.89	15.79	17.5
HSUPA	Subtest 1	16.35	16.43	16.38	18
	Subtest 2	14.03	14.07	13.94	15.5
	Subtest 3	14.58	14.51	14.68	16
	Subtest 4	13.96	13.93	14.04	15
	Subtest 5	14.86	15.02	15.16	16.5
DC-HSDPA	Subtest 1	16.64	16.65	16.74	18.5
	Subtest 2	16.14	16.11	16.22	18
	Subtest 3	15.46	15.61	15.66	17.5
	Subtest 4	15.65	15.63	15.82	17.5

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WCDMA Band V Receiver on(Right head) + BT					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	17.43	17.46	17.39	18.5
	12.2kbps AMR	17.41	17.43	17.37	18.5
HSDPA	Subtest 1	16.66	16.76	16.69	18.5
	Subtest 2	16.1	16.21	16.17	18
	Subtest 3	15.66	15.91	15.64	17.5
	Subtest 4	15.44	15.86	15.78	17.5
HSUPA	Subtest 1	16.29	16.42	16.32	18
	Subtest 2	14.02	14.03	13.9	15.5
	Subtest 3	14.56	14.42	14.66	16
	Subtest 4	13.9	13.85	13.99	15
	Subtest 5	14.77	14.97	15.1	16.5
DC-HSDPA	Subtest 1	16.61	16.62	16.65	18.5
	Subtest 2	16.11	16.09	16.15	18
	Subtest 3	15.4	15.59	15.63	17.5
	Subtest 4	15.61	15.59	15.74	17.5

WCDMA Band V Receiver off + BT					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	21.47	21.45	21.41	22.5
	12.2kbps AMR	21.43	21.41	21.37	22.5
HSDPA	Subtest 1	20.6	20.71	20.58	22.5
	Subtest 2	20.02	20.17	20.06	22
	Subtest 3	19.56	19.81	19.63	21.5
	Subtest 4	19.41	19.85	19.67	21.5
HSUPA	Subtest 1	20.19	20.39	20.32	22
	Subtest 2	17.93	17.94	17.8	19.5
	Subtest 3	18.5	18.38	18.56	20
	Subtest 4	17.81	17.79	17.96	19
	Subtest 5	18.71	18.88	19.07	20.5
DC-HSDPA	Subtest 1	20.51	20.53	20.62	22.5
	Subtest 2	20.08	20.07	20.13	22
	Subtest 3	19.32	19.57	19.62	21.5
	Subtest 4	19.61	19.52	19.72	21.5

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WCDMA Band V Receiver on(Left head) + WiFi2.4G Ant1					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	16.45	16.42	16.39	17.5
	12.2kbps AMR	16.42	16.38	16.37	17.5
HSDPA	Subtest 1	15.71	15.74	15.67	17.5
	Subtest 2	15.08	15.25	15.11	17
	Subtest 3	14.66	14.93	14.7	16.5
	Subtest 4	14.5	14.95	14.77	16.5
HSUPA	Subtest 1	15.22	15.45	15.37	17
	Subtest 2	13.04	12.99	12.88	14.5
	Subtest 3	13.56	13.47	13.6	15
	Subtest 4	12.84	12.89	12.99	14
	Subtest 5	13.73	13.88	14.09	15.5
DC-HSDPA	Subtest 1	15.56	15.57	15.63	17.5
	Subtest 2	15.19	15.07	15.15	17
	Subtest 3	14.39	14.59	14.73	16.5
	Subtest 4	14.65	14.64	14.75	16.5

WCDMA Band V Receiver on(Right head) + WiFi2.4G Ant1					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	16.45	16.42	16.39	17.5
	12.2kbps AMR	16.42	16.38	16.37	17.5
HSDPA	Subtest 1	15.73	15.78	15.77	17.5
	Subtest 2	15.13	15.29	15.17	17
	Subtest 3	14.67	15	14.73	16.5
	Subtest 4	14.52	15.03	14.81	16.5
HSUPA	Subtest 1	15.3	15.52	15.39	17
	Subtest 2	13.12	13.05	12.98	14.5
	Subtest 3	13.59	13.54	13.66	15
	Subtest 4	12.92	12.97	13.03	14
	Subtest 5	13.79	13.95	14.18	15.5
DC-HSDPA	Subtest 1	15.64	15.61	15.72	17.5
	Subtest 2	15.26	15.12	15.23	17
	Subtest 3	14.44	14.65	14.8	16.5
	Subtest 4	14.68	14.68	14.84	16.5

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WCDMA Band V Receiver off + WiFi2.4G Ant1					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	20.45	20.37	20.39	21.5
	12.2kbps AMR	20.41	20.34	20.37	21.5
HSDPA	Subtest 1	19.72	19.78	19.69	21.5
	Subtest 2	19.09	19.26	19.11	21
	Subtest 3	18.62	18.98	18.71	20.5
	Subtest 4	18.43	19.03	18.75	20.5
HSUPA	Subtest 1	19.25	19.46	19.34	21
	Subtest 2	17.03	17.02	16.98	18.5
	Subtest 3	17.51	17.49	17.65	19
	Subtest 4	16.85	16.9	16.97	18
	Subtest 5	17.74	17.88	18.09	19.5
DC-HSDPA	Subtest 1	19.55	19.53	19.67	21.5
	Subtest 2	19.23	19.12	19.2	21
	Subtest 3	18.36	18.62	18.74	20.5
	Subtest 4	18.67	18.64	18.78	20.5

WCDMA Band V Receiver on(Left head) + WiFi5G Ant1/Ant2/MIMO					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	14.56	14.42	14.38	15.5
	12.2kbps AMR	14.53	14.39	14.36	15.5
HSDPA	Subtest 1	13.7	13.7	13.68	15.5
	Subtest 2	13	13.25	13.03	15
	Subtest 3	12.6	12.93	12.64	14.5
	Subtest 4	12.33	13.03	12.64	14.5
HSUPA	Subtest 1	13.17	13.43	13.24	15
	Subtest 2	10.97	10.93	10.91	12.5
	Subtest 3	11.5	11.46	11.61	13
	Subtest 4	10.78	10.88	10.96	12
	Subtest 5	11.66	11.83	12.04	13.5
DC-HSDPA	Subtest 1	13.54	13.48	13.66	15.5
	Subtest 2	13.18	13.07	13.16	15
	Subtest 3	12.26	12.57	12.74	14.5
	Subtest 4	12.66	12.62	12.72	14.5

WCDMA Band V Receiver on(Right head) + WiFi5G Ant1/Ant2/MIMO					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	14.56	14.42	14.38	15.5
	12.2kbps AMR	14.53	14.4	14.36	15.5
HSDPA	Subtest 1	13.61	13.64	13.61	15.5
	Subtest 2	12.91	13.22	13	15
	Subtest 3	12.58	12.84	12.57	14.5
	Subtest 4	12.31	12.95	12.59	14.5
HSUPA	Subtest 1	13.09	13.42	13.21	15
	Subtest 2	10.89	10.92	10.88	12.5
	Subtest 3	11.4	11.36	11.54	13
	Subtest 4	10.77	10.8	10.88	12
	Subtest 5	11.63	11.73	11.99	13.5
DC-HSDPA	Subtest 1	13.45	13.46	13.65	15.5
	Subtest 2	13.18	12.99	13.09	15
	Subtest 3	12.16	12.5	12.69	14.5
	Subtest 4	12.57	12.52	12.61	14.5

WCDMA Band V Receiver off + WiFi5G Ant1/Ant2/MIMO					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	18.43	18.46	18.36	19.5
	12.2kbps AMR	18.4	18.42	18.34	19.5
HSDPA	Subtest 1	17.52	17.59	17.6	19.5
	Subtest 2	16.81	17.12	16.99	19
	Subtest 3	16.5	16.8	16.56	18.5
	Subtest 4	16.3	16.92	16.5	18.5
HSUPA	Subtest 1	17.03	17.38	17.14	19
	Subtest 2	14.89	14.9	14.82	16.5
	Subtest 3	15.36	15.29	15.48	17
	Subtest 4	14.69	14.74	14.78	16
	Subtest 5	15.56	15.64	15.94	17.5
DC-HSDPA	Subtest 1	17.36	17.43	17.63	19.5
	Subtest 2	17.09	16.93	17.06	19
	Subtest 3	16.14	16.42	16.66	18.5
	Subtest 4	16.47	16.42	16.56	18.5

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Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	14.56	14.42	14.38	15.5
	12.2kbps AMR	14.53	14.39	14.36	15.5
HSDPA	Subtest 1	13.7	13.7	13.68	15.5
	Subtest 2	13	13.25	13.03	15
	Subtest 3	12.6	12.93	12.64	14.5
	Subtest 4	12.33	13.03	12.64	14.5
HSUPA	Subtest 1	13.17	13.43	13.24	15
	Subtest 2	10.97	10.93	10.91	12.5
	Subtest 3	11.5	11.46	11.61	13
	Subtest 4	10.78	10.88	10.96	12
	Subtest 5	11.66	11.83	12.04	13.5
DC-HSDPA	Subtest 1	13.54	13.48	13.66	15.5
	Subtest 2	13.18	13.07	13.16	15
	Subtest 3	12.26	12.57	12.74	14.5
	Subtest 4	12.66	12.62	12.72	14.5

WCDMA Band V Receiver on(Right head) + BT + WiFi5G Ant1/Ant2/MIMO					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	14.56	14.42	14.38	15.5
	12.2kbps AMR	14.53	14.4	14.36	15.5
HSDPA	Subtest 1	13.61	13.64	13.61	15.5
	Subtest 2	12.91	13.22	13	15
	Subtest 3	12.58	12.84	12.57	14.5
	Subtest 4	12.31	12.95	12.59	14.5
HSUPA	Subtest 1	13.09	13.42	13.21	15
	Subtest 2	10.89	10.92	10.88	12.5
	Subtest 3	11.4	11.36	11.54	13
	Subtest 4	10.77	10.8	10.88	12
	Subtest 5	11.63	11.73	11.99	13.5
DC-HSDPA	Subtest 1	13.45	13.46	13.65	15.5
	Subtest 2	13.18	12.99	13.09	15
	Subtest 3	12.16	12.5	12.69	14.5
	Subtest 4	12.57	12.52	12.61	14.5

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WCDMA Band V Receiver off + BT + WiFi5G Ant1/Ant2/MIMO					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	18.43	18.46	18.36	19.5
	12.2kbps AMR	18.4	18.42	18.34	19.5
HSDPA	Subtest 1	17.52	17.59	17.6	19.5
	Subtest 2	16.81	17.12	16.99	19
	Subtest 3	16.5	16.8	16.56	18.5
	Subtest 4	16.3	16.92	16.5	18.5
HSUPA	Subtest 1	17.03	17.38	17.14	19
	Subtest 2	14.89	14.9	14.82	16.5
	Subtest 3	15.36	15.29	15.48	17
	Subtest 4	14.69	14.74	14.78	16
	Subtest 5	15.56	15.64	15.94	17.5
DC-HSDPA	Subtest 1	17.36	17.43	17.63	19.5
	Subtest 2	17.09	16.93	17.06	19
	Subtest 3	16.14	16.42	16.66	18.5
	Subtest 4	16.47	16.42	16.56	18.5

WCDMA Band V Receiver on(Left head) + WiFi2.4G Ant1 + WiFi5G Ant2					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	16.45	16.42	16.39	17.5
	12.2kbps AMR	16.42	16.38	16.37	17.5
HSDPA	Subtest 1	15.71	15.74	15.67	17.5
	Subtest 2	15.08	15.25	15.11	17
	Subtest 3	14.66	14.93	14.7	16.5
	Subtest 4	14.5	14.95	14.77	16.5
HSUPA	Subtest 1	15.22	15.45	15.37	17
	Subtest 2	13.04	12.99	12.88	14.5
	Subtest 3	13.56	13.47	13.6	15
	Subtest 4	12.84	12.89	12.99	14
	Subtest 5	13.73	13.88	14.09	15.5
DC-HSDPA	Subtest 1	15.56	15.57	15.63	17.5
	Subtest 2	15.19	15.07	15.15	17
	Subtest 3	14.39	14.59	14.73	16.5
	Subtest 4	14.65	14.64	14.75	16.5

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WCDMA Band V Receiver on(Right head) + WiFi2.4G Ant1 + WiFi5G Ant2					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	16.45	16.42	16.39	17.5
	12.2kbps AMR	16.42	16.38	16.37	17.5
HSDPA	Subtest 1	15.73	15.78	15.77	17.5
	Subtest 2	15.13	15.29	15.17	17
	Subtest 3	14.67	15	14.73	16.5
	Subtest 4	14.52	15.03	14.81	16.5
HSUPA	Subtest 1	15.3	15.52	15.39	17
	Subtest 2	13.12	13.05	12.98	14.5
	Subtest 3	13.59	13.54	13.66	15
	Subtest 4	12.92	12.97	13.03	14
	Subtest 5	13.79	13.95	14.18	15.5
DC-HSDPA	Subtest 1	15.64	15.61	15.72	17.5
	Subtest 2	15.26	15.12	15.23	17
	Subtest 3	14.44	14.65	14.8	16.5
	Subtest 4	14.68	14.68	14.84	16.5

WCDMA Band V Receiver off + WiFi2.4G Ant1 + WiFi5G Ant2					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	20.45	20.37	20.39	21.5
	12.2kbps AMR	20.41	20.34	20.37	21.5
HSDPA	Subtest 1	19.72	19.78	19.69	21.5
	Subtest 2	19.09	19.26	19.11	21
	Subtest 3	18.62	18.98	18.71	20.5
	Subtest 4	18.43	19.03	18.75	20.5
HSUPA	Subtest 1	19.25	19.46	19.34	21
	Subtest 2	17.03	17.02	16.98	18.5
	Subtest 3	17.51	17.49	17.65	19
	Subtest 4	16.85	16.9	16.97	18
	Subtest 5	17.74	17.88	18.09	19.5
DC-HSDPA	Subtest 1	19.55	19.53	19.67	21.5
	Subtest 2	19.23	19.12	19.2	21
	Subtest 3	18.36	18.62	18.74	20.5
	Subtest 4	18.67	18.64	18.78	20.5

Table 14 : Conducted Power Of WCDMA

Note:

- 1) when the maximum output power variation across the required test channels is $> \frac{1}{2}$ dB, instead of the middle channel, the highest output power channel must be used.

8.1.2.3 Conducted Power Of LTE

LTE Band 2 Receiver on(Left head)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	17.6	17.45	17.43	18
		1	2	17.15	16.83	17.03	18
		1	5	17.6	17.49	17.46	18
		3	0	17.49	17.4	17.36	18
		3	2	17.37	17.17	17.17	18
		3	3	17.48	17.34	17.44	18
	16QAM	6	0	17.47	17.36	17.39	18
		1	0	17.8	17.72	17.74	18
		1	2	17.52	17.59	17.6	18
		1	5	17.75	17.74	17.73	18
		3	0	17.55	17.38	17.38	18
		3	2	17.55	17.39	17.37	18
	64QAM	3	3	17.49	17.39	17.45	18
		6	0	17.37	17.32	17.36	18
		1	0	17.4	17.33	17.42	18
		1	2	17.11	17.18	17.06	18
		1	5	17.4	17.41	17.39	18
		3	0	17.32	17.26	17.36	18
3MHz	QPSK	3	2	17.1	17.06	17.11	18
		3	3	17.2	17.14	17.15	18
		6	0	17.36	17.28	17.29	18
	16QAM	1	0	17.54	17.46	17.4	18
		1	7	17.18	17.26	17.17	18
		1	14	17.49	17.44	17.49	18
	64QAM	8	0	17.43	17.37	17.37	18
		8	4	17.43	17.35	17.35	18
		8	7	17.48	17.4	17.42	18
	16QAM	15	0	17.52	17.43	17.43	18
		1	0	17.81	17.79	17.76	18
		1	7	17.48	17.25	17.42	18
		1	14	17.77	17.68	17.73	18
		8	0	17.46	17.35	17.29	18
		8	4	17.38	17.33	17.32	18
	64QAM	8	7	17.5	17.28	17.3	18
		15	0	17.5	17.38	17.39	18
		1	0	17.38	17.31	17.36	18
		1	7	17.06	17.22	17.01	18
		1	14	17.43	17.42	17.39	18
		8	0	17.36	17.28	17.34	18

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		8	4	17.09	17.1	17.13	18
		8	7	17.22	17.09	17.19	18
		15	0	17.32	17.28	17.29	18
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	17.49	17.5	17.46	18
		1	13	17.52	17.38	17.43	18
		1	24	17.44	17.41	17.48	18
		12	0	17.55	17.51	17.51	18
		12	6	17.49	17.45	17.34	18
		12	13	17.57	17.43	17.49	18
		25	0	17.5	17.46	17.39	18
	16QAM	1	0	17.79	17.7	17.7	18
		1	13	17.76	17.77	17.67	18
		1	24	17.74	17.68	17.75	18
		12	0	17.52	17.43	17.46	18
		12	6	17.49	17.28	17.3	18
		12	13	17.52	17.45	17.44	18
		25	0	17.45	17.36	17.38	18
	64QAM	1	0	17.38	17.33	17.34	18
		1	13	17.09	17.21	17	18
		1	24	17.39	17.47	17.37	18
		12	0	17.36	17.28	17.34	18
		12	6	17.11	17.13	17.2	18
		12	13	17.21	17.12	17.11	18
		25	0	17.35	17.24	17.27	18
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	17.54	17.47	17.43	18
		1	25	17.22	17.05	17.37	18
		1	49	17.43	17.4	17.46	18
		25	0	17.5	17.49	17.5	18
		25	13	17.47	17.41	17.46	18
		25	25	17.49	17.43	17.42	18
		50	0	17.51	17.43	17.44	18
	16QAM	1	0	17.8	17.67	17.66	18
		1	25	17.49	17.47	17.38	18
		1	49	17.69	17.55	17.78	18
		25	0	17.43	17.43	17.39	18
		25	13	17.45	17.39	17.35	18
		25	25	17.44	17.39	17.38	18
		50	0	17.45	17.4	17.41	18
	64QAM	1	0	17.4	17.36	17.38	18
		1	25	17.1	17.17	17.06	18
		1	49	17.4	17.41	17.39	18
		25	0	17.33	17.23	17.3	18
		25	13	17.14	17.1	17.16	18

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		25	25	17.2	17.17	17.13	18
		50	0	17.35	17.31	17.26	18
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	17.54	17.48	17.38	18
		1	38	17.55	17.44	17.48	18
		1	74	17.49	17.37	17.4	18
		36	0	17.52	17.52	17.47	18
		36	18	17.52	17.49	17.47	18
		36	39	17.54	17.47	17.43	18
		75	0	17.5	17.47	17.52	18
	16QAM	1	0	17.73	17.76	17.64	18
		1	38	17.87	17.67	17.67	18
		1	74	17.73	17.71	17.61	18
		36	0	17.54	17.45	17.45	18
		36	18	17.51	17.4	17.44	18
		36	39	17.53	17.39	17.44	18
		75	0	17.5	17.36	17.41	18
	64QAM	1	0	17.37	17.35	17.39	18
		1	38	17.08	17.13	17.05	18
		1	74	17.45	17.4	17.41	18
		36	0	17.32	17.3	17.28	18
		36	18	17.16	17.09	17.12	18
		36	39	17.23	17.13	17.09	18
		75	0	17.27	17.25	17.29	18
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	17.68	17.53	17.53	18
		1	50	17.16	17.1	17.08	18
		1	99	17.54	17.49	17.55	18
		50	0	17.61	17.51	17.47	18
		50	25	17.51	17.42	17.45	18
		50	50	17.54	17.48	17.52	18
		100	0	17.59	17.48	17.52	18
	16QAM	1	0	17.85	17.92	17.86	18
		1	50	17.51	17.46	17.6	18
		1	99	17.77	17.74	17.85	18
		50	0	17.51	17.44	17.4	18
		50	25	17.45	17.36	17.37	18
		50	50	17.47	17.41	17.44	18
		100	0	17.48	17.41	17.4	18

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	64QAM	1	0	17.37	17.35	17.39	18
		1	50	17.08	17.13	17.05	18
		1	99	17.45	17.4	17.41	18
		50	0	17.32	17.3	17.28	18
		50	25	17.16	17.09	17.12	18
		50	50	17.23	17.13	17.09	18
		100	0	17.27	17.25	17.29	18

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LTE Band 2 Receiver on(Right head)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	15.54	15.47	15.42	16
		1	2	15.22	15.12	15.19	16
		1	5	15.53	15.53	15.45	16
		3	0	15.44	15.38	15.32	16
		3	2	15.32	15.15	15.23	16
		3	3	15.37	15.32	15.34	16
		6	0	15.48	15.33	15.41	16
	16QAM	1	0	15.8	15.73	15.66	16
		1	2	15.74	15.32	15.39	16
		1	5	15.88	15.72	15.63	16
		3	0	15.52	15.41	15.32	16
		3	2	15.29	15.22	15.21	16
		3	3	15.44	15.32	15.27	16
		6	0	15.38	15.29	15.36	16
	64QAM	1	0	15.62	15.51	15.54	16
		1	2	14.9	15.09	15.11	16
		1	5	15.61	15.53	15.46	16
		3	0	15.26	15.2	15.22	16
		3	2	15.18	15.16	15.16	16
		3	3	15.28	15.22	15.18	16
		6	0	15.24	15.25	15.2	16
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	15.54	15.39	15.46	16
		1	7	15.08	15.32	15.1	16
		1	14	15.47	15.47	15.47	16
		8	0	15.5	15.35	15.26	16
		8	4	15.5	15.39	15.33	16
		8	7	15.5	15.44	15.4	16
		15	0	15.52	15.43	15.42	16
	16QAM	1	0	15.74	15.63	15.63	16
		1	7	15.31	15.47	15.28	16
		1	14	15.75	15.63	15.72	16
		8	0	15.43	15.36	15.4	16
		8	4	15.46	15.43	15.38	16
		8	7	15.49	15.39	15.41	16
		15	0	15.5	15.35	15.36	16
	64QAM	1	0	15.62	15.52	15.47	16
		1	7	14.95	15.08	15.21	16
		1	14	15.63	15.5	15.49	16
		8	0	15.26	15.22	15.14	16

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		8	4	15.17	15.17	15.16	16
		8	7	15.29	15.18	15.18	16
		15	0	15.25	15.19	15.26	16
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	15.51	15.44	15.45	16
		1	13	15.48	15.42	15.46	16
		1	24	15.41	15.42	15.47	16
		12	0	15.58	15.51	15.48	16
		12	6	15.47	15.37	15.4	16
		12	13	15.55	15.46	15.48	16
		25	0	15.5	15.41	15.41	16
	16QAM	1	0	15.89	15.84	15.68	16
		1	13	15.71	15.8	15.76	16
		1	24	15.7	15.71	15.74	16
		12	0	15.51	15.45	15.43	16
		12	6	15.4	15.43	15.41	16
		12	13	15.48	15.42	15.41	16
		25	0	15.4	15.37	15.35	16
	64QAM	1	0	15.53	15.53	15.53	16
		1	13	14.96	15.08	15.12	16
		1	24	15.64	15.45	15.51	16
		12	0	15.31	15.24	15.17	16
		12	6	15.19	15.21	15.15	16
		12	13	15.27	15.24	15.19	16
		25	0	15.24	15.25	15.24	16
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	15.56	15.41	15.4	16
		1	25	14.98	15.16	15.13	16
		1	49	15.45	15.41	15.51	16
		25	0	15.5	15.47	15.47	16
		25	13	15.49	15.41	15.47	16
		25	25	15.49	15.44	15.42	16
		50	0	15.49	15.43	15.46	16
	16QAM	1	0	15.89	15.74	15.55	16
		1	25	15.61	15.71	15.31	16
		1	49	15.8	15.74	15.64	16
		25	0	15.48	15.42	15.4	16
		25	13	15.41	15.38	15.35	16
		25	25	15.39	15.38	15.41	16
		50	0	15.44	15.36	15.37	16
	64QAM	1	0	15.57	15.45	15.5	16
		1	25	14.95	15.11	15.21	16
		1	49	15.63	15.49	15.44	16
		25	0	15.23	15.26	15.23	16
		25	13	15.2	15.17	15.17	16

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		25	25	15.26	15.24	15.16	16
		50	0	15.29	15.16	15.21	16
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	15.54	15.45	15.42	16
		1	38	15.53	15.45	15.49	16
		1	74	15.41	15.36	15.41	16
		36	0	15.54	15.58	15.47	16
		36	18	15.54	15.45	15.5	16
		36	39	15.53	15.48	15.45	16
		75	0	15.56	15.5	15.44	16
	16QAM	1	0	15.91	15.82	15.66	16
		1	38	15.84	15.73	15.84	16
		1	74	15.77	15.66	15.75	16
		36	0	15.47	15.45	15.42	16
		36	18	15.48	15.37	15.42	16
		36	39	15.45	15.38	15.47	16
		75	0	15.42	15.38	15.41	16
	64QAM	1	0	15.56	15.45	15.49	16
		1	38	14.9	15.07	15.17	16
		1	74	15.6	15.47	15.51	16
		36	0	15.31	15.23	15.2	16
		36	18	15.17	15.14	15.16	16
		36	39	15.25	15.17	15.23	16
		75	0	15.29	15.2	15.2	16
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	15.65	15.62	15.55	16
		1	50	15.34	15.31	15.25	16
		1	99	15.59	15.46	15.48	16
		50	0	15.58	15.52	15.52	16
		50	25	15.53	15.49	15.45	16
		50	50	15.53	15.45	15.47	16
		100	0	15.55	15.5	15.52	16
	16QAM	1	0	15.95	15.87	15.78	16
		1	50	15.75	15.23	15.58	16
		1	99	15.81	15.72	15.75	16
		50	0	15.53	15.44	15.4	16
		50	25	15.44	15.42	15.39	16
		50	50	15.45	15.4	15.43	16
		100	0	15.48	15.41	15.39	16

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	64QAM	1	0	15.53	15.47	15.49	16
		1	50	14.96	15.04	15.12	16
		1	99	15.56	15.52	15.47	16
		50	0	15.26	15.21	15.17	16
		50	25	15.18	15.19	15.22	16
		50	50	15.25	15.16	15.2	16
		100	0	15.25	15.24	15.24	16

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LTE Band 2 Receiver off (Full Power)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	21.02	20.98	20.93	21.5
		1	2	21.25	19.76	20.69	21.5
		1	5	20.86	20.85	20.94	21.5
		3	0	20.97	20.98	20.94	21.5
		3	2	21.14	21.23	20.55	21.5
		3	3	21.08	20.9	20.68	21.5
		6	0	21.2	20.85	20.88	21.5
	16QAM	1	0	21.09	21.02	21.23	21.5
		1	2	20.85	21.21	21.16	21.5
		1	5	21.08	21.34	21.06	21.5
		3	0	21.09	20.75	20.85	21.5
		3	2	21.15	21.03	20.92	21.5
		3	3	21.03	20.96	20.95	21.5
		6	0	21.22	20.92	20.81	21.5
	64QAM	1	0	21.06	21.02	21.04	21.5
		1	2	20.42	20.6	20.66	21.5
		1	5	21.07	21.01	20.99	21.5
		3	0	20.98	21	21.02	21.5
		3	2	20.35	20.54	20.64	21.5
		3	3	21.07	20.99	20.91	21.5
		6	0	20.16	20.24	20.23	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	20.9	20.83	20.96	21.5
		1	7	20.67	20.12	20.18	21.5
		1	14	20.99	20.87	20.94	21.5
		8	0	20.74	20.68	20.59	21.5
		8	4	20.84	20.71	20.82	21.5
		8	7	21.05	20.9	20.85	21.5
		15	0	20.92	21.15	20.94	21.5
	16QAM	1	0	21.11	21.38	21.38	21.5
		1	7	20.21	21.53	18.99	21.5
		1	14	20.95	21.59	21.39	21.5
		8	0	20.8	20.86	20.9	21.5
		8	4	21.08	20.99	20.99	21.5
		8	7	21.08	20.9	20.99	21.5
		15	0	20.86	20.91	20.67	21.5
	64QAM	1	0	21.1	20.91	21	21.5
		1	7	20.48	20.49	20.68	21.5
		1	14	21.14	20.95	20.91	21.5
		8	0	20.32	20.16	20.12	21

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		8	4	20.11	20.19	20.14	21
		8	7	20.3	20.2	20.2	21
		15	0	20.28	20.23	20.17	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	21.01	20.93	20.79	21.5
		1	13	20.93	20.91	20.91	21.5
		1	24	20.84	21.04	20.97	21.5
		12	0	20.97	20.97	20.93	21.5
		12	6	20.82	20.8	20.88	21.5
		12	13	21.02	21.02	20.96	21.5
		25	0	21.02	20.89	20.86	21.5
	16QAM	1	0	21.08	21.16	21.05	21.5
		1	13	21.35	21.38	21.45	21.5
		1	24	21.09	21.15	21.46	21.5
		12	0	21.06	20.94	20.91	21.5
		12	6	20.89	20.97	20.9	21.5
		12	13	20.88	21.01	20.95	21.5
		25	0	20.96	20.97	20.79	21.5
	64QAM	1	0	21.11	20.92	21.04	21.5
		1	13	20.36	20.59	20.58	21.5
		1	24	21.12	20.89	20.89	21.5
		12	0	20.19	20.18	20.21	21
		12	6	20.14	20.14	20.11	21
		12	13	20.24	20.17	20.18	21
		25	0	20.21	20.13	20.22	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	20.97	20.99	21.01	21.5
		1	25	20.44	20.99	21.3	21.5
		1	49	20.91	20.78	20.83	21.5
		25	0	20.95	20.95	20.94	21.5
		25	13	20.9	20.94	21.03	21.5
		25	25	21	20.9	20.98	21.5
		50	0	20.95	20.96	20.97	21.5
	16QAM	1	0	21.44	20.82	21.16	21.5
		1	25	21.27	21.31	20.75	21.5
		1	49	21.15	21.32	21.11	21.5
		25	0	20.89	20.89	20.99	21.5
		25	13	20.78	20.85	20.78	21.5
		25	25	20.97	20.79	20.93	21.5
		50	0	20.88	20.76	20.72	21.5
	64QAM	1	0	21.03	20.94	21.01	21.5
		1	25	20.35	20.6	20.69	21.5
		1	49	21.02	21	20.93	21.5
		25	0	20.26	20.2	20.09	21
		25	13	20.11	20.07	20.09	21

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		25	25	20.3	20.21	20.16	21
		50	0	20.26	20.12	20.26	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	20.96	21	20.81	21.5
		1	38	21.04	20.95	20.9	21.5
		1	74	20.74	20.81	20.88	21.5
		36	0	20.96	20.99	21	21.5
		36	18	20.93	20.9	20.97	21.5
		36	39	21	20.99	20.97	21.5
		75	0	20.99	20.97	20.95	21.5
	16QAM	1	0	21.52	21.44	21.19	21.5
		1	38	21.47	21.16	21.07	21.5
		1	74	20.99	21.32	21.3	21.5
		36	0	20.91	20.91	20.92	21.5
		36	18	20.97	20.98	20.89	21.5
		36	39	20.83	20.93	20.91	21.5
		75	0	20.96	20.92	20.91	21.5
	64QAM	1	0	21.07	21.02	21.01	21.5
		1	38	20.45	20.48	20.59	21.5
		1	74	21.02	21.02	20.94	21.5
		36	0	20.27	20.17	20.17	21
		36	18	20.11	20.15	20.21	21
		36	39	20.28	20.13	20.21	21
		75	0	20.2	20.23	20.25	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	21.06	21.26	20.95	21.5
		1	50	20.61	20.77	20.84	21.5
		1	99	20.94	20.93	20.93	21.5
		50	0	21.06	21.07	20.97	21.5
		50	25	20.96	20.92	20.94	21.5
		50	50	21.06	20.94	20.95	21.5
		100	0	21.07	21	20.92	21.5
	16QAM	1	0	21.23	21.67	20.8	21.5
		1	50	20.66	21.21	20.95	21.5
		1	99	21.23	21.28	20.71	21.5
		50	0	21.03	21.04	20.91	21.5
		50	25	20.86	20.91	20.78	21.5
		50	50	20.89	20.81	20.92	21.5
		100	0	20.9	20.93	20.95	21.5

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	64QAM	1	0	21.12	21.04	21.06	21.5
		1	50	20.49	20.63	20.71	21.5
		1	99	21.15	21.04	21.01	21.5
		50	0	20.32	20.26	20.24	21
		50	25	20.25	20.22	20.23	21
		50	50	20.32	20.25	20.24	21
		100	0	20.3	20.25	20.27	21

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	17.9	18.05	17.94	18.5
		1	2	17.88	17.74	17.03	18.5
		1	5	18.01	17.97	17.9	18.5
		3	0	18.02	17.88	17.84	18.5
		3	2	17.75	17.84	17.47	18.5
		3	3	18.06	17.78	17.74	18.5
		6	0	17.9	17.91	17.83	18.5
	16QAM	1	0	17.89	18.02	18.5	18.5
		1	2	17.77	17.49	17.02	18.5
		1	5	18.24	18.18	18.03	18.5
		3	0	17.82	17.91	17.86	18.5
		3	2	17.99	17.3	17.52	18.5
		3	3	17.8	17.77	17.75	18.5
		6	0	18.05	17.46	17.89	18.5
	64QAM	1	0	17.78	17.79	17.81	18.5
		1	2	17.53	17.6	17.5	18.5
		1	5	17.92	17.83	17.9	18.5
		3	0	17.79	17.71	17.77	18.5
		3	2	17.57	17.59	17.52	18.5
		3	3	17.7	17.54	17.51	18.5
		6	0	17.73	17.72	17.78	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	18	17.92	17.78	18.5
		1	7	17.91	17.89	17.58	18.5
		1	14	17.93	17.78	17.91	18.5
		8	0	17.82	17.9	17.82	18.5
		8	4	17.97	17.62	17.94	18.5
		8	7	17.78	17.95	17.75	18.5
		15	0	18.02	17.92	17.81	18.5
	16QAM	1	0	18.4	18.34	17.76	18.5
		1	7	16.68	18.02	17.72	18.5
		1	14	17.85	18.08	18.14	18.5
		8	0	18.06	17.97	17.83	18.5
		8	4	17.88	18.05	17.64	18.5
		8	7	18	17.98	17.72	18.5
		15	0	17.88	17.82	17.67	18.5
	64QAM	1	0	17.78	17.83	17.85	18.5
		1	7	17.56	17.57	17.48	18.5
		1	14	17.88	17.86	17.87	18.5
		8	0	17.8	17.74	17.74	18.5

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		8	4	17.6	17.54	17.53	18.5
		8	7	17.67	17.57	17.53	18.5
		15	0	17.68	17.71	17.75	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	17.96	17.9	17.89	18.5
		1	13	17.96	17.98	17.93	18.5
		1	24	17.8	17.91	17.99	18.5
		12	0	17.94	17.94	17.94	18.5
		12	6	17.87	17.88	17.86	18.5
		12	13	17.98	17.97	17.92	18.5
		25	0	17.99	17.99	17.84	18.5
	16QAM	1	0	17.65	17.89	18.25	18.5
		1	13	18.38	17.7	18.1	18.5
		1	24	18.01	18.48	18.25	18.5
		12	0	18.07	17.98	17.97	18.5
		12	6	17.87	17.84	17.64	18.5
		12	13	17.97	17.99	17.88	18.5
		25	0	17.89	17.84	17.78	18.5
	64QAM	1	0	17.83	17.83	17.84	18.5
		1	13	17.52	17.61	17.54	18.5
		1	24	17.93	17.82	17.88	18.5
		12	0	17.8	17.71	17.69	18.5
		12	6	17.62	17.58	17.58	18.5
		12	13	17.64	17.62	17.55	18.5
		25	0	17.75	17.71	17.71	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	18.03	18.01	17.82	18.5
		1	25	17.66	17.71	17.65	18.5
		1	49	17.85	17.89	17.89	18.5
		25	0	18.02	18.03	17.92	18.5
		25	13	17.74	17.75	17.89	18.5
		25	25	17.97	17.95	17.83	18.5
		50	0	17.92	17.92	17.86	18.5
	16QAM	1	0	17.86	18.26	18.33	18.5
		1	25	17.98	17.95	17.49	18.5
		1	49	18.33	18.19	18	18.5
		25	0	17.96	17.84	17.83	18.5
		25	13	17.9	17.91	17.75	18.5
		25	25	17.83	17.79	17.83	18.5
		50	0	17.81	17.88	17.75	18.5
	64QAM	1	0	17.86	17.77	17.81	18.5
		1	25	17.56	17.55	17.46	18.5
		1	49	17.92	17.81	17.82	18.5
		25	0	17.74	17.78	17.77	18.5
		25	13	17.57	17.57	17.6	18.5

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		25	25	17.69	17.6	17.55	18.5
		50	0	17.75	17.71	17.78	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	17.91	17.98	17.99	18.5
		1	38	18.01	18.06	18.02	18.5
		1	74	17.75	17.88	17.69	18.5
		36	0	18.01	17.99	17.97	18.5
		36	18	17.92	17.97	17.83	18.5
		36	39	17.96	17.92	17.91	18.5
		75	0	17.97	17.95	17.87	18.5
	16QAM	1	0	18.42	18.33	18.3	18.5
		1	38	18.02	18.23	17.99	18.5
		1	74	18.22	17.91	18.11	18.5
		36	0	17.95	17.92	17.85	18.5
		36	18	17.89	17.9	17.84	18.5
		36	39	17.85	17.78	17.84	18.5
		75	0	17.83	17.88	17.99	18.5
	64QAM	1	0	17.78	17.75	17.89	18.5
		1	38	17.51	17.58	17.51	18.5
		1	74	17.86	17.85	17.85	18.5
		36	0	17.77	17.78	17.72	18.5
		36	18	17.58	17.56	17.58	18.5
		36	39	17.64	17.62	17.51	18.5
		75	0	17.7	17.65	17.7	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	18.11	18.11	18.05	18.5
		1	50	18.37	17.95	17.97	18.5
		1	99	18	17.95	17.97	18.5
		50	0	18.07	17.98	17.89	18.5
		50	25	18.01	17.88	17.9	18.5
		50	50	18.01	17.98	17.86	18.5
		100	0	18.02	17.99	17.93	18.5
	16QAM	1	0	18.35	18.48	18.21	18.5
		1	50	18.34	18.3	18.01	18.5
		1	99	18.3	17.78	18.45	18.5
		50	0	18	17.95	17.93	18.5
		50	25	17.94	17.82	17.78	18.5
		50	50	17.96	17.88	17.94	18.5
		100	0	17.89	17.88	17.79	18.5

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	64QAM	1	0	17.85	17.76	17.86	18.5
		1	50	17.5	17.61	17.49	18.5
		1	99	17.95	17.81	17.9	18.5
		50	0	17.76	17.79	17.77	18.5
		50	25	17.64	17.5	17.54	18.5
		50	50	17.7	17.62	17.54	18.5
		100	0	17.69	17.73	17.74	18.5

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LTE Band 2 Receiver off + hotspot 5G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	15.76	15.95	15.97	16.5
		1	2	16.33	15.9	15.82	16.5
		1	5	16	16	15.96	16.5
		3	0	16.06	16.05	15.37	16.5
		3	2	15.18	15.69	16.08	16.5
		3	3	15.37	15.95	15.67	16.5
		6	0	15.75	15.88	15.94	16.5
	16QAM	1	0	16.1	16.14	16.23	16.5
		1	2	16.17	16.36	16.49	16.5
		1	5	16.15	16.43	16.45	16.5
		3	0	16.22	16.2	15.78	16.5
		3	2	16.18	16.08	15.9	16.5
		3	3	16.18	15.96	16.11	16.5
		6	0	16.04	15.84	15.85	16.5
	64QAM	1	0	15.72	15.74	15.8	16.5
		1	2	15.45	15.57	15.49	16.5
		1	5	15.84	15.82	15.87	16.5
		3	0	15.72	15.66	15.71	16.5
		3	2	15.51	15.57	15.45	16.5
		3	3	15.6	15.48	15.49	16.5
		6	0	15.67	15.64	15.69	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	15.94	15.95	15.81	16.5
		1	7	15.32	15.17	16.14	16.5
		1	14	15.97	15.86	15.81	16.5
		8	0	16	16.01	15.82	16.5
		8	4	15.76	15.86	15.71	16.5
		8	7	15.68	15.71	15.81	16.5
		15	0	16.06	15.95	15.92	16.5
	16QAM	1	0	16.4	16.15	15.69	16.5
		1	7	15.65	14.94	15.7	16.5
		1	14	16.23	16.36	16.49	16.5
		8	0	15.83	15.86	15.83	16.5
		8	4	15.86	15.82	15.7	16.5
		8	7	15.97	15.91	15.84	16.5
		15	0	16.05	16.02	15.69	16.5
	64QAM	1	0	15.72	15.74	15.8	16.5
		1	7	15.45	15.57	15.49	16.5
		1	14	15.84	15.82	15.87	16.5
		8	0	15.72	15.66	15.71	16.5

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		8	4	15.51	15.57	15.45	16.5
		8	7	15.6	15.48	15.49	16.5
		15	0	15.67	15.64	15.69	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	16.12	15.87	15.94	16.5
		1	13	15.94	16	15.76	16.5
		1	24	16.02	15.87	15.96	16.5
		12	0	16.08	16.01	15.99	16.5
		12	6	16.07	15.86	16.01	16.5
		12	13	16.03	15.94	15.88	16.5
		25	0	16.03	15.96	15.9	16.5
	16QAM	1	0	16.32	16.48	16.4	16.5
		1	13	16.41	16.27	15.7	16.5
		1	24	16.14	15.82	16.22	16.5
		12	0	15.99	15.91	15.9	16.5
		12	6	15.57	15.99	15.87	16.5
		12	13	15.92	16.07	15.89	16.5
		25	0	15.93	15.84	15.74	16.5
	64QAM	1	0	15.72	15.74	15.8	16.5
		1	13	15.45	15.57	15.49	16.5
		1	24	15.84	15.82	15.87	16.5
		12	0	15.72	15.66	15.71	16.5
		12	6	15.51	15.57	15.45	16.5
		12	13	15.6	15.48	15.49	16.5
		25	0	15.67	15.64	15.69	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	16.1	15.96	15.92	16.5
		1	25	15.88	15.76	15.68	16.5
		1	49	15.93	15.92	15.92	16.5
		25	0	15.96	15.92	15.94	16.5
		25	13	15.93	15.9	16	16.5
		25	25	15.9	15.88	15.83	16.5
		50	0	15.97	15.94	15.97	16.5
	16QAM	1	0	16.44	16.47	16.44	16.5
		1	25	16.17	15.86	15.69	16.5
		1	49	15.99	16.12	16.22	16.5
		25	0	15.78	15.92	15.97	16.5
		25	13	15.88	15.96	15.87	16.5
		25	25	15.96	15.87	15.9	16.5
		50	0	15.97	15.81	15.85	16.5
	64QAM	1	0	15.72	15.74	15.8	16.5
		1	25	15.45	15.57	15.49	16.5
		1	49	15.84	15.82	15.87	16.5
		25	0	15.72	15.66	15.71	16.5
		25	13	15.51	15.57	15.45	16.5

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		25	25	15.6	15.48	15.49	16.5
		50	0	15.67	15.64	15.69	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	15.98	15.93	15.89	16.5
		1	38	16.2	15.96	16.08	16.5
		1	74	15.7	15.85	15.82	16.5
		36	0	16.03	16.06	15.9	16.5
		36	18	16	15.97	16.04	16.5
		36	39	16.06	15.98	15.88	16.5
		75	0	16	15.95	16.03	16.5
	16QAM	1	0	16.37	16.08	16.32	16.5
		1	38	16.22	15.94	16.35	16.5
		1	74	16.3	15.63	16.11	16.5
		36	0	15.98	15.95	15.94	16.5
		36	18	15.87	15.99	15.92	16.5
		36	39	15.93	15.92	15.73	16.5
		75	0	15.96	15.83	15.82	16.5
	64QAM	1	0	15.72	15.74	15.8	16.5
		1	38	15.45	15.57	15.49	16.5
		1	74	15.84	15.82	15.87	16.5
		36	0	15.72	15.66	15.71	16.5
		36	18	15.51	15.57	15.45	16.5
		36	39	15.6	15.48	15.49	16.5
		75	0	15.67	15.64	15.69	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	16.14	16.08	15.92	16.5
		1	50	15.56	15.24	15.29	16.5
		1	99	15.98	15.93	15.95	16.5
		50	0	15.99	15.97	15.94	16.5
		50	25	15.83	15.98	15.88	16.5
		50	50	15.88	15.93	15.88	16.5
		100	0	16.06	15.97	15.91	16.5
	16QAM	1	0	16.23	16.29	15.95	16.5
		1	50	15.42	16.14	15.91	16.5
		1	99	16.38	16.04	16.3	16.5
		50	0	16.01	15.99	15.77	16.5
		50	25	15.8	15.92	15.77	16.5
		50	50	15.85	15.85	15.76	16.5
		100	0	15.92	15.82	15.87	16.5

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	64QAM	1	0	15.72	15.74	15.8	16.5
		1	50	15.45	15.57	15.49	16.5
		1	99	15.84	15.82	15.87	16.5
		50	0	15.72	15.66	15.71	16.5
		50	25	15.51	15.57	15.45	16.5
		50	50	15.6	15.48	15.49	16.5
		100	0	15.67	15.64	15.69	16.5

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LTE Band 2 Receiver on(Left head) + hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	14.03	14.01	14.14	15
		1	2	14.42	14.16	13.84	15
		1	5	14.19	14.1	14.08	15
		3	0	14.29	13.72	14.2	15
		3	2	13.78	14.36	14.17	15
		3	3	14.02	14.04	14.19	15
		6	0	14.19	14.14	13.85	15
	16QAM	1	0	14.03	14.44	14.22	15
		1	2	13.88	13.44	14.59	15
		1	5	14.61	14.53	14.74	15
		3	0	14.13	14.32	14.08	15
		3	2	14.27	14.02	13.85	15
		3	3	14.36	14.05	14.5	15
		6	0	14.25	14	13.99	15
	64QAM	1	0	14.18	14.23	14.23	15
		1	2	13.92	14	13.93	15
		1	5	14.27	14.31	14.29	15
		3	0	14.14	14.08	14.16	15
		3	2	13.93	14.05	13.87	15
		3	3	14.03	13.92	13.91	15
		6	0	14.08	14.1	14.16	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	14.22	14.36	14.29	15
		1	7	13.94	13.72	13.94	15
		1	14	14.16	14.15	14.03	15
		8	0	14.26	14.23	13.99	15
		8	4	14.01	14.26	13.97	15
		8	7	14.14	14.22	14.16	15
		15	0	14.21	14.17	14.17	15
	16QAM	1	0	14.59	14.76	14.47	15
		1	7	14.41	14.43	13.13	15
		1	14	14.66	14.51	14.43	15
		8	0	14.07	13.83	13.98	15
		8	4	14.18	14.12	14.21	15
		8	7	14.27	14.03	14.18	15
		15	0	14.11	14.02	14.15	15
	64QAM	1	0	14.18	14.15	14.24	15
		1	7	13.91	14.02	13.95	15
		1	14	14.34	14.29	14.37	15
		8	0	14.21	14.08	14.15	15

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		8	4	13.94	13.99	13.9	15
		8	7	14.02	13.98	13.91	15
		15	0	14.14	14.08	14.1	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	14.32	14.21	13.93	15
		1	13	14.24	14	14.24	15
		1	24	14.1	14.21	14.37	15
		12	0	14.21	14.19	14.13	15
		12	6	14.22	14.16	14.14	15
		12	13	14.19	14.14	14.11	15
		25	0	14.23	14.18	14.1	15
	16QAM	1	0	14.81	14.31	14.22	15
		1	13	14.37	14.7	14.45	15
		1	24	14.68	14.5	14.47	15
		12	0	14.27	14.13	14.26	15
		12	6	14.18	14.3	14.24	15
		12	13	14.22	14.16	14.16	15
		25	0	14.25	13.95	14.06	15
	64QAM	1	0	14.13	14.2	14.28	15
		1	13	13.92	14.03	13.95	15
		1	24	14.28	14.26	14.37	15
		12	0	14.19	14.07	14.16	15
		12	6	13.93	13.98	13.95	15
		12	13	14.04	13.89	13.91	15
		25	0	14.08	14.11	14.15	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	14.16	14.28	14.25	15
		1	25	13.9	13.85	13.66	15
		1	49	14.16	14.08	14.03	15
		25	0	14.07	14.27	14.13	15
		25	13	14.16	14.19	14.29	15
		25	25	14.16	14.2	14.19	15
		50	0	14.11	14.04	14.18	15
	16QAM	1	0	14.38	14.73	14.31	15
		1	25	13.87	15.08	14.58	15
		1	49	14.77	14.72	14.84	15
		25	0	14.17	14.08	14.1	15
		25	13	13.95	14.03	14.19	15
		25	25	14.15	14.11	14.1	15
		50	0	14.08	14.01	14.01	15
	64QAM	1	0	14.17	14.18	14.23	15
		1	25	13.88	14.05	13.92	15
		1	49	14.29	14.24	14.36	15
		25	0	14.2	14.08	14.12	15
		25	13	13.97	14.03	13.92	15

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		25	25	14.05	13.96	13.91	15
		50	0	14.09	14.07	14.17	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	14.18	14.18	14.11	15
		1	38	14.24	14.17	14.25	15
		1	74	13.88	14.09	14.06	15
		36	0	14.22	14.25	14.18	15
		36	18	14.19	14.17	14.18	15
		36	39	14.23	14.21	14.21	15
		75	0	14.16	14.16	14.22	15
	16QAM	1	0	14.73	14.4	14.53	15
		1	38	14.36	14.75	14.7	15
		1	74	14.39	14.51	14.47	15
		36	0	14.26	14.25	14.3	15
		36	18	14.15	14.28	14.16	15
		36	39	14.04	14.16	14.09	15
		75	0	14.16	14.09	14.17	15
	64QAM	1	0	14.15	14.14	14.26	15
		1	38	13.93	13.98	13.92	15
		1	74	14.28	14.26	14.33	15
		36	0	14.2	14.07	14.2	15
		36	18	14	14.05	13.92	15
		36	39	14.09	13.97	13.97	15
		75	0	14.17	14.06	14.18	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	14.36	14.37	14.37	15
		1	50	14.23	13.88	13.98	15
		1	99	14.3	14.18	14	15
		50	0	14.27	14.28	14.36	15
		50	25	14.24	14.09	14.16	15
		50	50	14.13	14.13	14.23	15
		100	0	14.15	14.09	14.12	15
	16QAM	1	0	14.83	15.1	14.88	15
		1	50	14.25	14.72	14.3	15
		1	99	14.36	14.13	14.62	15
		50	0	14.25	14.3	14.07	15
		50	25	14.16	14.06	14.12	15
		50	50	13.97	14.05	14.06	15
		100	0	14.09	14.21	14.19	15

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	64QAM	1	0	14.21	14.19	14.21	15
		1	50	13.85	14.06	13.9	15
		1	99	14.25	14.22	14.32	15
		50	0	14.14	14.14	14.14	15
		50	25	13.93	14.07	13.88	15
		50	50	14.01	13.95	13.97	15
		100	0	14.11	14.12	14.12	15

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LTE Band 2 Receiver on(Right head) + hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	12.26	12.26	12.06	13
		1	2	11.73	12.58	11.14	13
		1	5	12.2	12.17	12.28	13
		3	0	11.91	12.2	12.03	13
		3	2	12.27	12.34	12.05	13
		3	3	12.19	12.07	12.12	13
		6	0	11.92	12.24	12.18	13
	16QAM	1	0	12.55	12.41	12.48	13
		1	2	11.97	11.98	11.43	13
		1	5	12.55	12.21	12.46	13
		3	0	12.21	12.09	11.88	13
		3	2	12.24	12.27	12.23	13
		3	3	12.3	12.47	12.19	13
		6	0	11.87	12.23	11.97	13
	64QAM	1	0	12.12	12.17	12.16	13
		1	2	11.84	11.97	11.89	13
		1	5	12.23	12.23	12.25	13
		3	0	12.14	12.01	12.11	13
		3	2	11.89	12.05	11.85	13
		3	3	12	11.89	11.88	13
		6	0	12.02	12.02	12.14	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	12.19	12.15	12.14	13
		1	7	10.71	12.81	11.53	13
		1	14	12.09	12.12	12.25	13
		8	0	12.18	12.19	12.18	13
		8	4	12.12	12.14	11.84	13
		8	7	12.18	12.16	11.79	13
		15	0	12.18	12.23	12.17	13
	16QAM	1	0	11.89	12.21	12.45	13
		1	7	12.04	12.96	11.78	13
		1	14	12.6	12.48	12.53	13
		8	0	12.16	12.34	11.96	13
		8	4	12	12.25	11.98	13
		8	7	12.31	11.97	12	13
		15	0	12.11	12.18	12.18	13
	64QAM	1	0	12.15	12.22	12.13	13
		1	7	11.88	11.93	11.83	13
		1	14	12.17	12.23	12.22	13
		8	0	12.08	12.03	12.08	13

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		8	4	11.91	11.98	11.8	13
		8	7	11.94	11.87	11.86	13
		15	0	12.08	12.01	12.15	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	12.2	12.25	12.14	13
		1	13	12.18	12.24	12.14	13
		1	24	12.04	12.11	12.21	13
		12	0	12.32	12.21	12.19	13
		12	6	12.14	11.59	12.19	13
		12	13	12.09	12.16	12.15	13
		25	0	12.28	12.15	12.15	13
	16QAM	1	0	12.34	12.68	12.76	13
		1	13	12.54	12.43	12.49	13
		1	24	12.26	12.59	12.32	13
		12	0	12.27	12.22	12.08	13
		12	6	12.07	12.15	12.12	13
		12	13	12.16	12.12	12.17	13
		25	0	12.16	12.16	12.12	13
	64QAM	1	0	12.1	12.2	12.15	13
		1	13	11.87	11.96	11.83	13
		1	24	12.24	12.23	12.23	13
		12	0	12.14	12.04	12.14	13
		12	6	11.88	11.97	11.79	13
		12	13	11.94	11.89	11.88	13
		25	0	12	12.01	12.16	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	12.22	12.22	12.25	13
		1	25	11.61	12.1	11.4	13
		1	49	12.08	12.12	12.18	13
		25	0	12.18	12.13	12.11	13
		25	13	12.13	12.18	12.2	13
		25	25	12.13	12.09	12.16	13
		50	0	12.16	12.21	12.17	13
	16QAM	1	0	12.72	12.52	12.59	13
		1	25	12.38	12.8	12.33	13
		1	49	12.44	12.06	12.52	13
		25	0	12.24	12.26	12.04	13
		25	13	12.15	12.09	12.17	13
		25	25	12.13	12.03	12.08	13
		50	0	12.12	12.1	11.96	13
	64QAM	1	0	12.09	12.15	12.22	13
		1	25	11.83	11.97	11.84	13
		1	49	12.27	12.28	12.27	13
		25	0	12.05	11.99	12.07	13
		25	13	11.91	11.97	11.85	13

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		25	25	11.97	11.89	11.82	13
		50	0	12.07	12	12.11	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	12.39	12.22	12.16	13
		1	38	12.15	12.18	12.23	13
		1	74	12.11	11.98	12.16	13
		36	0	12.23	12.24	12.15	13
		36	18	12.28	12.18	12.29	13
		36	39	12.26	12.17	12.2	13
		75	0	12.17	12.26	12.1	13
	16QAM	1	0	12.4	11.83	12.21	13
		1	38	12.42	12.18	12.16	13
		1	74	12.56	12.28	12.4	13
		36	0	12.24	12.2	12.24	13
		36	18	12.14	12.18	12.09	13
		36	39	12.1	12.18	12.19	13
		75	0	12.2	12.21	12.15	13
	64QAM	1	0	12.15	12.17	12.23	13
		1	38	11.86	11.98	11.9	13
		1	74	12.21	12.27	12.21	13
		36	0	12.08	12.03	12.11	13
		36	18	11.93	11.96	11.82	13
		36	39	11.96	11.91	11.89	13
		75	0	12.06	12.09	12.11	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	12.35	12.28	12.26	13
		1	50	12.19	12.28	12.01	13
		1	99	12.29	12.18	12.24	13
		50	0	12.16	12.26	12.25	13
		50	25	12.13	12.26	12.25	13
		50	50	12.2	12.09	12.22	13
		100	0	12.18	12.19	12.23	13
	16QAM	1	0	12.4	12.75	12.33	13
		1	50	12.45	12.2	11.76	13
		1	99	12.48	12.31	12.8	13
		50	0	12.18	12.2	12.18	13
		50	25	12.12	12.08	12.08	13
		50	50	12.17	12.19	12.18	13
		100	0	12.1	12.14	12.18	13

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	64QAM	1	0	12.17	12.22	12.22	13
		1	50	11.84	11.93	11.89	13
		1	99	12.2	12.28	12.19	13
		50	0	12.11	12.06	12.08	13
		50	25	11.84	12.02	11.86	13
		50	50	12	11.9	11.85	13
		100	0	12.06	12.1	12.07	13

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LTE Band 2 Receiver on(Left head) + hotspot 5G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	12.21	12.1	12.13	13
		1	2	11.95	11.77	12.15	13
		1	5	12.22	12.11	12.18	13
		3	0	12.26	12.35	12.14	13
		3	2	12.03	11.96	12.18	13
		3	3	12.26	12.15	12.12	13
		6	0	12.11	12.12	12.04	13
	16QAM	1	0	12.29	12.41	12.7	13
		1	2	12.8	12.24	12.08	13
		1	5	12.32	12.52	12.75	13
		3	0	12.32	12.14	12.26	13
		3	2	11.82	12.03	12.62	13
		3	3	12.12	12.01	12.22	13
		6	0	12.17	12.04	12.31	13
	64QAM	1	0	12.1	12.16	12.1	13
		1	2	11.8	11.93	11.86	13
		1	5	12.19	12.21	12.25	13
		3	0	12.09	11.95	12.1	13
		3	2	11.83	11.99	11.79	13
		3	3	11.94	11.87	11.83	13
		6	0	12.02	11.97	12.09	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	12.18	12.06	12.24	13
		1	7	13.05	10.9	11.46	13
		1	14	12.13	12.24	12.19	13
		8	0	11.66	12.02	12.11	13
		8	4	12.14	12.11	12.16	13
		8	7	12.05	12.12	11.81	13
		15	0	12.14	11.91	12.1	13
	16QAM	1	0	12.47	12.6	12.47	13
		1	7	11.84	12.1	12.58	13
		1	14	12.34	12.32	12.28	13
		8	0	12.05	12.22	11.87	13
		8	4	12.19	12.05	12.08	13
		8	7	12.14	12.06	11.99	13
		15	0	12.02	11.93	11.85	13
	64QAM	1	0	12.09	12.11	12.12	13
		1	7	11.79	11.97	11.86	13
		1	14	12.2	12.18	12.2	13
		8	0	12.13	12.01	12.08	13

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		8	4	11.83	12	11.79	13
		8	7	11.96	11.84	11.87	13
		15	0	11.99	12.01	12.11	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	12.27	12.27	12.3	13
		1	13	12.12	12.18	12.16	13
		1	24	12.06	12.07	12.08	13
		12	0	12.27	12.15	12.13	13
		12	6	12.29	11.96	11.99	13
		12	13	12.25	12.12	12.24	13
		25	0	12.24	12.24	12.22	13
	16QAM	1	0	12.64	12.7	12.47	13
		1	13	12.44	12.45	12.14	13
		1	24	12.17	12.39	12.74	13
		12	0	12.29	12.24	12.15	13
		12	6	11.83	12.09	12.16	13
		12	13	12.21	12.14	12.06	13
		25	0	12.2	12.12	12	13
	64QAM	1	0	12.08	12.13	12.14	13
		1	13	11.78	11.94	11.86	13
		1	24	12.17	12.21	12.21	13
		12	0	12.07	11.96	12.08	13
		12	6	11.84	12.02	11.84	13
		12	13	11.93	11.84	11.85	13
		25	0	12	11.97	12.1	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	12.09	12.16	12.11	13
		1	25	11.88	11.51	12.16	13
		1	49	12.12	12.2	12.32	13
		25	0	12.27	12.19	12.24	13
		25	13	12.15	12.1	12.21	13
		25	25	12.22	12.15	12.18	13
		50	0	12.19	12.13	12.19	13
	16QAM	1	0	12.75	12.73	12.84	13
		1	25	10.37	12.14	11.97	13
		1	49	12.48	12.49	12.13	13
		25	0	12.21	12.17	12.05	13
		25	13	12.06	12.09	12.17	13
		25	25	11.96	12.13	12.17	13
		50	0	12.12	12.12	12.16	13
	64QAM	1	0	12.06	12.1	12.15	13
		1	25	11.8	11.89	11.84	13
		1	49	12.21	12.2	12.23	13
		25	0	12.1	11.95	12.07	13
		25	13	11.85	11.99	11.81	13

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		25	25	11.98	11.82	11.82	13
		50	0	11.97	12.01	12.12	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	12.26	12.37	12.14	13
		1	38	12.21	12.27	12.23	13
		1	74	12.04	12.09	12.02	13
		36	0	12.19	12.19	12.2	13
		36	18	12.24	12.13	12.2	13
		36	39	12.19	12.14	12.14	13
		75	0	12.23	12.23	12.22	13
	16QAM	1	0	12.71	12.46	12.45	13
		1	38	12.36	12.47	11.98	13
		1	74	12.2	12.24	12.08	13
		36	0	12.17	12.15	12.14	13
		36	18	12.19	12.14	12.2	13
		36	39	12.13	12.09	12.02	13
		75	0	12.07	12.06	12.13	13
	64QAM	1	0	12.08	12.15	12.15	13
		1	38	11.84	11.91	11.88	13
		1	74	12.16	12.15	12.24	13
		36	0	12.12	11.97	12.08	13
		36	18	11.81	11.98	11.77	13
		36	39	11.95	11.88	11.85	13
		75	0	11.98	11.97	12.11	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	12.36	12.39	12.23	13
		1	50	12.04	12.16	12.12	13
		1	99	12.02	12.18	12.29	13
		50	0	12.37	12.21	12.16	13
		50	25	12.26	12.1	12.24	13
		50	50	12.13	12.08	12.15	13
		100	0	12.25	12.22	12.32	13
	16QAM	1	0	12.57	12.52	12.4	13
		1	50	12.47	12.24	12.09	13
		1	99	12.77	11.85	12.5	13
		50	0	12.31	12.18	12.19	13
		50	25	12.04	12.02	12.11	13
		50	50	11.97	12.02	12.09	13
		100	0	12.18	12.08	12.11	13

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	64QAM	1	0	12.1	12.12	12.08	13
		1	50	11.83	11.94	11.85	13
		1	99	12.23	12.17	12.22	13
		50	0	12.13	11.96	12.11	13
		50	25	11.83	12.05	11.81	13
		50	50	11.94	11.89	11.8	13
		100	0	11.95	12.01	12.13	13

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LTE Band 2 Receiver on(Right head) + hotspot 5G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	10.17	10.18	10.08	11
		1	2	9.58	9.59	10.59	11
		1	5	10.13	10.19	10.23	11
		3	0	10.31	10.25	9.94	11
		3	2	10.35	10.29	10.02	11
		3	3	9.84	10.11	10.16	11
		6	0	10.19	10.22	10.05	11
	16QAM	1	0	10.68	10	10.36	11
		1	2	10.68	9.67	10.78	11
		1	5	10.36	10.33	10.59	11
		3	0	10.37	9.98	10.2	11
		3	2	9.55	9.57	10.4	11
		3	3	9.63	9.43	10.15	11
		6	0	10.05	9.98	9.96	11
	64QAM	1	0	10.14	10.2	10.17	11
		1	2	9.82	10	9.95	11
		1	5	10.21	10.29	10.26	11
		3	0	10.13	10.02	10.16	11
		3	2	9.9	10.04	9.86	11
		3	3	9.94	9.87	9.89	11
		6	0	10.08	10.04	10.17	11
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	10.25	10.24	10.19	11
		1	7	9.57	10.06	8.86	11
		1	14	10.1	10.11	10.12	11
		8	0	10.19	10.12	9.77	11
		8	4	10.1	10.22	10.13	11
		8	7	10.08	10.22	9.94	11
		15	0	10.18	9.99	10.2	11
	16QAM	1	0	10.17	10.6	10.79	11
		1	7	10.04	10.47	9.66	11
		1	14	10.65	10.6	10.43	11
		8	0	9.92	9.92	10.08	11
		8	4	9.95	10.19	10.04	11
		8	7	10.22	9.89	10.25	11
		15	0	10.06	10.06	10.12	11
	64QAM	1	0	10.17	10.24	10.18	11
		1	7	9.87	9.94	9.93	11
		1	14	10.22	10.22	10.27	11
		8	0	10.17	10.01	10.11	11

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		8	4	9.84	9.99	9.85	11
		8	7	10.04	9.93	9.86	11
		15	0	10.02	9.98	10.1	11
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	10.17	10.14	10.15	11
		1	13	10.16	10.17	10.17	11
		1	24	10.15	10.05	10.17	11
		12	0	10.2	10.13	10.22	11
		12	6	10.21	10.12	10.14	11
		12	13	10.19	10.1	10.2	11
		25	0	10.17	10.09	10.19	11
	16QAM	1	0	10.34	10.2	10.53	11
		1	13	10.46	10.56	10.56	11
		1	24	10.45	10.43	10.71	11
		12	0	10.06	10.2	10.25	11
		12	6	10.22	10.12	10.16	11
		12	13	10.24	10.2	10.09	11
		25	0	10.02	10.03	10.1	11
	64QAM	1	0	10.15	10.24	10.17	11
		1	13	9.88	9.95	9.94	11
		1	24	10.27	10.26	10.29	11
		12	0	10.1	10.04	10.18	11
		12	6	9.85	9.99	9.88	11
		12	13	9.98	9.95	9.88	11
		25	0	10.08	10	10.14	11
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	10.22	10.05	10.17	11
		1	25	9.53	9.93	9.85	11
		1	49	10.24	10.04	10.13	11
		25	0	10.22	10.17	10.27	11
		25	13	10.09	10.23	10.1	11
		25	25	10.06	10.13	10.03	11
		50	0	10.12	10.14	10.06	11
	16QAM	1	0	10.57	10.14	10.51	11
		1	25	9.91	10.38	10.52	11
		1	49	10.09	10.56	10.51	11
		25	0	10.02	10.2	10.19	11
		25	13	10.13	10.12	10.09	11
		25	25	10.1	10.18	10.1	11
		50	0	9.99	10.08	10.11	11
	64QAM	1	0	10.14	10.16	10.14	11
		1	25	9.86	10	9.89	11
		1	49	10.22	10.25	10.3	11
		25	0	10.14	10.02	10.14	11
		25	13	9.91	10.05	9.88	11

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		25	25	9.96	9.93	9.84	11
		50	0	10.09	10.03	10.12	11
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	10.14	10.14	10.15	11
		1	38	10.14	10.22	10.08	11
		1	74	10.16	9.97	10.11	11
		36	0	10.23	10.23	10.33	11
		36	18	10.21	10.23	10.17	11
		36	39	10.17	10.12	10.28	11
		75	0	10.13	10.17	10.21	11
	16QAM	1	0	10.74	10.48	10.41	11
		1	38	10.65	10.34	10.59	11
		1	74	10.37	10.58	10.2	11
		36	0	10.26	10.18	10.13	11
		36	18	10.09	10.14	10.05	11
		36	39	10.11	10.11	10.29	11
		75	0	10.03	10.06	10.12	11
	64QAM	1	0	10.17	10.22	10.15	11
		1	38	9.9	9.96	9.9	11
		1	74	10.21	10.25	10.27	11
		36	0	10.11	9.98	10.16	11
		36	18	9.87	10.06	9.86	11
		36	39	10	9.93	9.87	11
		75	0	10.05	9.98	10.17	11
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	10.27	10.33	10.36	11
		1	50	10.12	9.66	9.34	11
		1	99	10.18	10.14	10.26	11
		50	0	10.3	10.27	10.24	11
		50	25	10.16	10.22	10.22	11
		50	50	10.07	10.24	10.24	11
		100	0	10.16	10.04	10.32	11
	16QAM	1	0	10.86	10.3	10.89	11
		1	50	10.46	9.98	9.8	11
		1	99	10.34	10.17	10.52	11
		50	0	10.15	10.16	10.13	11
		50	25	10.19	10.15	10.14	11
		50	50	10.1	10.16	10.14	11
		100	0	10.05	10.03	9.96	11

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	64QAM	1	0	10.12	10.23	10.14	11
		1	50	9.86	9.93	9.95	11
		1	99	10.23	10.21	10.29	11
		50	0	10.15	9.96	10.17	11
		50	25	9.89	10.03	9.85	11
		50	50	10.03	9.89	9.86	11
		100	0	10.04	10	10.14	11

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LTE Band 2 Receiver on(Left head) + BT				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	15.26	15.23	15.2	16
		1	2	14.76	14.26	15.45	16
		1	5	15.3	15.16	15.13	16
		3	0	14.99	15.26	15.04	16
		3	2	14.97	14.48	15.13	16
		3	3	15.04	14.88	15.13	16
		6	0	15.12	14.9	15.1	16
	16QAM	1	0	15.19	15.7	15.48	16
		1	2	14.18	15.51	15.14	16
		1	5	15.91	15.25	15.42	16
		3	0	15.26	15.2	14.94	16
		3	2	15.4	15.43	15.15	16
		3	3	15.05	14.52	15.13	16
		6	0	15.13	15.31	14.71	16
	64QAM	1	0	15.15	15.22	15.2	16
		1	2	14.83	15.03	14.97	16
		1	5	15.23	15.31	15.28	16
		3	0	15.14	15.03	15.2	16
		3	2	14.94	15.05	14.9	16
		3	3	14.97	14.91	14.92	16
		6	0	15.11	15.06	15.21	16
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	15.17	14.99	15.15	16
		1	7	15.51	15.45	14.35	16
		1	14	15.22	15.25	15.17	16
		8	0	14.89	15.23	15	16
		8	4	15.21	15.21	15.2	16
		8	7	15.23	15.14	15.25	16
		15	0	15.24	15.07	15.2	16
	16QAM	1	0	15.81	15.5	15.29	16
		1	7	14.91	14.63	15.89	16
		1	14	15.41	15.31	15.45	16
		8	0	15.17	15.19	15	16
		8	4	15.19	15.18	15.27	16
		8	7	15.27	14.99	15.21	16
		15	0	15.11	15.26	15.1	16
	64QAM	1	0	15.17	15.21	15.2	16
		1	7	14.85	15.02	14.96	16
		1	14	15.24	15.32	15.28	16
		8	0	15.17	15.04	15.19	16

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		8	4	14.9	15.05	14.89	16
		8	7	14.97	14.89	14.91	16
		15	0	15.1	15.06	15.17	16
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	15.27	15.21	15.12	16
		1	13	15.18	15.17	15.18	16
		1	24	15.2	15.17	15.17	16
		12	0	15.25	15.29	15.27	16
		12	6	15.27	15.14	15.24	16
		12	13	15.23	15.14	15.22	16
		25	0	15.22	15.13	15.11	16
	16QAM	1	0	15.71	15.69	15.75	16
		1	13	15.57	15.25	15.56	16
		1	24	15.77	15.58	15.5	16
		12	0	15.29	15.27	15.19	16
		12	6	15.11	15.1	15.18	16
		12	13	15.12	15.22	15.11	16
		25	0	15.08	15.26	15.05	16
	64QAM	1	0	15.18	15.23	15.19	16
		1	13	14.83	15.01	14.97	16
		1	24	15.22	15.3	15.28	16
		12	0	15.13	15.05	15.18	16
		12	6	14.9	15.07	14.9	16
		12	13	14.97	14.89	14.92	16
		25	0	15.1	15.08	15.2	16
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	15.17	15.27	15.25	16
		1	25	14.8	15.31	14.68	16
		1	49	15.11	15.15	15.1	16
		25	0	15.14	15.12	15.13	16
		25	13	15.08	15.18	15.19	16
		25	25	15.1	15.08	15.2	16
		50	0	15.14	15.2	15.17	16
	16QAM	1	0	15.46	15.6	15.6	16
		1	25	15.66	15.36	15.34	16
		1	49	15.61	15.43	15.49	16
		25	0	15.1	15.16	15.1	16
		25	13	15.07	15.05	15	16
		25	25	15.12	15.08	15.19	16
		50	0	15.11	15.01	15.12	16
	64QAM	1	0	15.16	15.2	15.19	16
		1	25	14.86	15.04	14.96	16
		1	49	15.22	15.32	15.29	16
		25	0	15.14	15.04	15.2	16
		25	13	14.91	15.04	14.88	16

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		25	25	14.97	14.88	14.91	16
		50	0	15.1	15.05	15.18	16
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	15.29	15.18	15.19	16
		1	38	15.21	15.2	15.19	16
		1	74	15.02	15.11	15.07	16
		36	0	15.22	15.29	15.25	16
		36	18	15.21	15.14	15.15	16
		36	39	15.19	15.23	15.26	16
		75	0	15.22	15.13	15.19	16
	16QAM	1	0	15.77	15.28	15.43	16
		1	38	15.81	15.46	15.58	16
		1	74	15.19	15.08	15.4	16
		36	0	15.23	15.2	15.12	16
		36	18	15.2	15.04	15.13	16
		36	39	15.19	15.14	15.2	16
		75	0	15.11	15.15	15.18	16
	64QAM	1	0	15.15	15.23	15.19	16
		1	38	14.84	15.02	14.95	16
		1	74	15.24	15.31	15.28	16
		36	0	15.14	15.03	15.19	16
		36	18	14.91	15.07	14.88	16
		36	39	14.97	14.89	14.89	16
		75	0	15.1	15.05	15.19	16
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	15.27	15.3	15.32	16
		1	50	14.49	15.24	15.33	16
		1	99	15.17	15.23	15.28	16
		50	0	15.23	15.27	15.24	16
		50	25	15.1	15.17	15.2	16
		50	50	15.13	15.09	15.15	16
		100	0	15.23	15.18	15.26	16
	16QAM	1	0	15.69	15.73	15.54	16
		1	50	15.54	15.52	14.91	16
		1	99	15.6	15.47	15.87	16
		50	0	15.11	15.17	15.13	16
		50	25	15.07	15.08	15.03	16
		50	50	15.16	15.17	15.15	16
		100	0	15.11	15.06	15.09	16

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	64QAM	1	0	15.17	15.21	15.19	16
		1	50	14.84	15	14.96	16
		1	99	15.22	15.29	15.28	16
		50	0	15.17	15.06	15.18	16
		50	25	14.91	15.07	14.87	16
		50	50	14.95	14.9	14.91	16
		100	0	15.12	15.06	15.19	16

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LTE Band 2 Receiver on(Right head) + BT				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	13.23	13.16	12.88	14
		1	2	12.45	13.1	13.09	14
		1	5	13.24	13.25	13.14	14
		3	0	13.04	13.09	13.11	14
		3	2	12.92	12.86	12.99	14
		3	3	13.12	12.86	13.11	14
		6	0	13.26	13.09	12.79	14
	16QAM	1	0	13.53	13.29	13.66	14
		1	2	13.33	13.16	12.68	14
		1	5	13.78	13.76	13.36	14
		3	0	12.86	13.32	12.89	14
		3	2	12.87	12.87	13.53	14
		3	3	13.15	13.43	13.37	14
		6	0	13.35	13.26	13.07	14
	64QAM	1	0	13.07	13.13	13.13	14
		1	2	12.77	12.97	12.88	14
		1	5	13.14	13.24	13.22	14
		3	0	13.11	12.95	13.19	14
		3	2	12.93	12.97	12.81	14
		3	3	12.95	12.88	12.89	14
		6	0	13.03	12.98	13.13	14
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	13.17	13.27	13.03	14
		1	7	12	10.45	13.28	14
		1	14	13.1	13.19	13.17	14
		8	0	13.29	13.13	13.05	14
		8	4	13.09	12.97	13.2	14
		8	7	13.08	13.1	13.16	14
		15	0	13.27	12.97	13.05	14
	16QAM	1	0	13.56	13.47	13.55	14
		1	7	13.32	12.82	12.61	14
		1	14	12.89	13.65	13.58	14
		8	0	13.17	13.29	12.92	14
		8	4	13.16	13.08	13.01	14
		8	7	13.16	13.14	13.02	14
		15	0	13.04	13.1	13	14
	64QAM	1	0	13.08	13.21	13.17	14
		1	7	12.82	12.96	12.95	14
		1	14	13.16	13.3	13.24	14
		8	0	13.08	13.02	13.12	14

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		8	4	12.93	13.04	12.82	14
		8	7	12.96	12.89	12.89	14
		15	0	13.04	13.03	13.17	14
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	13.13	13.19	13.06	14
		1	13	13.16	13.16	13.11	14
		1	24	13.1	13.11	13.2	14
		12	0	13.19	13.16	13.2	14
		12	6	13.13	13.24	13.22	14
		12	13	13.17	13.23	13.15	14
		25	0	13.15	13.11	13.03	14
	16QAM	1	0	12.82	13.24	13.67	14
		1	13	13.3	12.95	13.47	14
		1	24	13.44	13.5	13.13	14
		12	0	13.23	13.11	13.24	14
		12	6	13.05	13.04	13.15	14
		12	13	13.15	13.02	13.18	14
		25	0	13.08	13.06	12.85	14
	64QAM	1	0	13.09	13.16	13.15	14
		1	13	12.78	12.94	12.95	14
		1	24	13.2	13.29	13.24	14
		12	0	13.06	12.98	13.17	14
		12	6	12.87	12.99	12.83	14
		12	13	12.95	12.85	12.89	14
		25	0	13.05	13	13.12	14
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	13.22	13.3	13.1	14
		1	25	12.87	12.84	12.91	14
		1	49	13.14	13.15	13.25	14
		25	0	13.12	13.21	13.22	14
		25	13	13.1	13.1	13.15	14
		25	25	13.15	13.09	13.08	14
		50	0	13.15	13.13	13.12	14
	16QAM	1	0	13.53	13.48	13.77	14
		1	25	13.35	13.87	13.26	14
		1	49	13.38	12.95	13.58	14
		25	0	13.02	13.24	13.23	14
		25	13	13.11	13.04	13.16	14
		25	25	13.12	13.04	12.98	14
		50	0	13.11	13.02	13.13	14
	64QAM	1	0	13.11	13.17	13.19	14
		1	25	12.8	12.99	12.9	14
		1	49	13.13	13.24	13.21	14
		25	0	13.11	13	13.18	14
		25	13	12.88	13.05	12.88	14

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		25	25	12.87	12.88	12.86	14
		50	0	13.06	13.06	13.17	14
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	13.28	13.24	13.15	14
		1	38	13.24	13.03	13.2	14
		1	74	13.07	13.05	12.84	14
		36	0	13.15	13.18	13.24	14
		36	18	13.24	13.26	13.22	14
		36	39	13.13	13.26	13.28	14
		75	0	13.13	13.14	13.17	14
	16QAM	1	0	13.6	13.5	13.44	14
		1	38	13.41	13.46	13.78	14
		1	74	12.83	13.44	13.5	14
		36	0	13.28	13.17	13.17	14
		36	18	13.18	13.19	13.15	14
		36	39	13.11	13.09	13.09	14
		75	0	13.06	13.07	13.15	14
	64QAM	1	0	13.13	13.15	13.18	14
		1	38	12.77	12.98	12.94	14
		1	74	13.15	13.26	13.22	14
		36	0	13.09	12.95	13.19	14
		36	18	12.89	12.98	12.86	14
		36	39	12.91	12.83	12.9	14
		75	0	13.11	13.06	13.19	14
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	13.39	13.3	13.23	14
		1	50	13.11	12.21	13.01	14
		1	99	13.23	13.16	13.08	14
		50	0	13.2	13.32	13.14	14
		50	25	13.2	13.19	13.19	14
		50	50	13.17	13.17	13.15	14
		100	0	13.09	13.13	13.31	14
	16QAM	1	0	13.82	14.23	14.06	14
		1	50	13.32	12.39	13.54	14
		1	99	13.66	13.52	13.12	14
		50	0	13.15	13.11	13.11	14
		50	25	13.11	13.19	13.13	14
		50	50	13.14	13.12	13.14	14
		100	0	13.14	13.05	13.1	14

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	64QAM	1	0	13.13	13.16	13.15	14
		1	50	12.79	13.02	12.96	14
		1	99	13.16	13.25	13.18	14
		50	0	13.08	12.96	13.19	14
		50	25	12.91	13.03	12.81	14
		50	50	12.95	12.91	12.83	14
		100	0	13.08	12.98	13.12	14

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LTE Band 2 Receiver off + BT				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	18.77	18.6	18.55	19.5
		1	2	18.11	18.59	18.3	19.5
		1	5	18.81	18.8	18.72	19.5
		3	0	18.7	18.72	18.7	19.5
		3	2	18.72	18.67	18.76	19.5
		3	3	18.51	18.68	18.67	19.5
		6	0	18.51	18.63	18.53	19.5
	16QAM	1	0	18.78	19.2	18.38	19.5
		1	2	18.65	18.95	18.69	19.5
		1	5	19.33	18.94	19.26	19.5
		3	0	18.7	18.52	18.79	19.5
		3	2	18.96	18.67	18.87	19.5
		3	3	18.74	18.89	18.7	19.5
		6	0	18.77	18.51	18.45	19.5
	64QAM	1	0	18.62	18.62	18.57	19.5
		1	2	18.21	18.52	18.44	19.5
		1	5	18.64	18.69	18.62	19.5
		3	0	18.5	18.44	18.6	19.5
		3	2	18.34	18.43	18.3	19.5
		3	3	18.41	18.33	18.31	19.5
		6	0	18.55	18.43	18.6	19.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	18.71	18.66	18.75	19.5
		1	7	18.71	17.67	17.93	19.5
		1	14	18.67	18.67	18.81	19.5
		8	0	18.75	18.5	18.68	19.5
		8	4	18.61	18.18	18.5	19.5
		8	7	18.76	18.59	18.75	19.5
		15	0	18.78	18.72	18.71	19.5
	16QAM	1	0	18.82	18.89	18.83	19.5
		1	7	17.71	18.67	19.2	19.5
		1	14	19.04	19.05	18.83	19.5
		8	0	18.71	18.45	18.81	19.5
		8	4	18.78	18.62	18.55	19.5
		8	7	18.54	18.71	18.59	19.5
		15	0	18.71	18.55	18.71	19.5
	64QAM	1	0	18.55	18.57	18.61	19.5
		1	7	18.23	18.45	18.43	19.5
		1	14	18.65	18.69	18.59	19.5
		8	0	18.55	18.39	18.67	19.5

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		8	4	18.35	18.49	18.27	19.5
		8	7	18.36	18.37	18.32	19.5
		15	0	18.52	18.39	18.61	19.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	18.72	18.74	18.59	19.5
		1	13	18.74	18.74	18.67	19.5
		1	24	18.65	18.61	18.71	19.5
		12	0	18.77	18.73	18.74	19.5
		12	6	18.63	18.59	18.86	19.5
		12	13	18.77	18.69	18.73	19.5
		25	0	18.62	18.68	18.6	19.5
	16QAM	1	0	19.12	19.03	19.12	19.5
		1	13	19	19.08	18.98	19.5
		1	24	18.98	19.03	19.05	19.5
		12	0	18.76	18.72	18.72	19.5
		12	6	18.7	18.63	18.68	19.5
		12	13	18.75	18.7	18.72	19.5
		25	0	18.57	18.63	18.56	19.5
	64QAM	1	0	18.63	18.63	18.56	19.5
		1	13	18.19	18.44	18.45	19.5
		1	24	18.62	18.69	18.58	19.5
		12	0	18.5	18.41	18.62	19.5
		12	6	18.31	18.46	18.29	19.5
		12	13	18.36	18.38	18.26	19.5
		25	0	18.54	18.38	18.61	19.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	18.79	18.72	18.71	19.5
		1	25	18.53	18.61	18.66	19.5
		1	49	18.67	18.6	18.71	19.5
		25	0	18.63	18.74	18.79	19.5
		25	13	18.68	18.7	18.75	19.5
		25	25	18.61	18.62	18.68	19.5
		50	0	18.67	18.73	18.71	19.5
	16QAM	1	0	18.95	19.14	19.25	19.5
		1	25	18.38	18.67	19.48	19.5
		1	49	19.16	18.99	18.81	19.5
		25	0	18.53	18.54	18.8	19.5
		25	13	18.59	18.66	18.63	19.5
		25	25	18.72	18.69	18.62	19.5
		50	0	18.73	18.71	18.66	19.5
	64QAM	1	0	18.6	18.62	18.64	19.5
		1	25	18.19	18.44	18.38	19.5
		1	49	18.59	18.65	18.59	19.5
		25	0	18.55	18.42	18.66	19.5
		25	13	18.4	18.44	18.28	19.5

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		25	25	18.37	18.32	18.27	19.5
		50	0	18.54	18.42	18.54	19.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	18.65	18.8	18.75	19.5
		1	38	18.61	18.76	18.75	19.5
		1	74	18.59	18.58	18.55	19.5
		36	0	18.71	18.81	18.71	19.5
		36	18	18.73	18.67	18.8	19.5
		36	39	18.68	18.66	18.74	19.5
		75	0	18.65	18.67	18.72	19.5
	16QAM	1	0	19.12	19.04	18.47	19.5
		1	38	19.2	19.24	18.71	19.5
		1	74	19.05	19.1	19.07	19.5
		36	0	18.69	18.77	18.78	19.5
		36	18	18.66	18.65	18.6	19.5
		36	39	18.63	18.62	18.65	19.5
		75	0	18.7	18.55	18.67	19.5
	64QAM	1	0	18.59	18.59	18.59	19.5
		1	38	18.29	18.49	18.42	19.5
		1	74	18.57	18.7	18.59	19.5
		36	0	18.56	18.41	18.66	19.5
		36	18	18.33	18.47	18.3	19.5
		36	39	18.4	18.37	18.25	19.5
		75	0	18.49	18.45	18.56	19.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	18.84	18.87	18.9	19.5
		1	50	18.59	18.58	18.44	19.5
		1	99	18.71	18.64	18.72	19.5
		50	0	18.67	18.75	18.72	19.5
		50	25	18.75	18.7	18.66	19.5
		50	50	18.67	18.68	18.69	19.5
		100	0	18.79	18.69	18.77	19.5
	16QAM	1	0	19.59	19.41	19.06	19.5
		1	50	19.15	18.13	19.11	19.5
		1	99	19.17	19.19	19.02	19.5
		50	0	18.66	18.72	18.68	19.5
		50	25	18.58	18.66	18.59	19.5
		50	50	18.6	18.6	18.61	19.5
		100	0	18.72	18.63	18.6	19.5

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	64QAM	1	0	18.55	18.66	18.61	19.5
		1	50	18.25	18.44	18.45	19.5
		1	99	18.6	18.7	18.65	19.5
		50	0	18.55	18.42	18.66	19.5
		50	25	18.39	18.48	18.3	19.5
		50	50	18.43	18.37	18.28	19.5
		100	0	18.56	18.41	18.59	19.5

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LTE Band 2 Receiver on(Left head) + WiFi2.4G Ant1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	14.21	14.2	14.21	15
		1	2	14.13	13.25	13.75	15
		1	5	14.18	14.04	14.13	15
		3	0	14.24	13.87	14.09	15
		3	2	14.26	14.18	14.12	15
		3	3	14.03	14.03	14.18	15
		6	0	14.12	14.53	14.37	15
	16QAM	1	0	14.79	14.24	14.42	15
		1	2	14.73	13.37	14.15	15
		1	5	14.54	14.46	14.7	15
		3	0	14.09	14.58	13.71	15
		3	2	14.22	13.23	13.82	15
		3	3	14.5	14.28	14.05	15
		6	0	14	14.13	14.26	15
	64QAM	1	0	14.05	14.05	13.97	15
		1	2	13.67	14.01	13.93	15
		1	5	14.06	14.14	14.05	15
		3	0	13.93	13.87	14.02	15
		3	2	13.78	13.91	13.7	15
		3	3	13.9	13.78	13.72	15
		6	0	13.95	13.92	14.05	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	14.14	14.18	14.08	15
		1	7	14.39	14.02	13.9	15
		1	14	14.07	14.24	14.03	15
		8	0	14.16	14.15	14.07	15
		8	4	14.29	13.75	14.06	15
		8	7	14.04	13.97	14.15	15
		15	0	14.15	14.1	14.3	15
	16QAM	1	0	14.79	14	14.56	15
		1	7	13.59	13.2	13.64	15
		1	14	14.31	13.72	14.58	15
		8	0	14.23	14.06	14.12	15
		8	4	14.15	13.89	14.18	15
		8	7	14.08	14.18	14.2	15
		15	0	14.1	14.26	14.23	15
	64QAM	1	0	14.04	14.05	14.04	15
		1	7	13.67	13.96	13.86	15
		1	14	14.12	14.15	14.07	15
		8	0	13.92	13.88	14	15

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		8	4	13.76	13.89	13.77	15
		8	7	13.83	13.78	13.74	15
		15	0	13.95	13.93	14.01	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	14.28	14.06	14	15
		1	13	14.13	14.11	14.38	15
		1	24	14.15	14.11	14.21	15
		12	0	14.25	14.2	14.2	15
		12	6	14.09	14.21	13.86	15
		12	13	14.25	14.3	14.16	15
		25	0	14.17	14.3	14.16	15
	16QAM	1	0	14.49	14.84	14.65	15
		1	13	14.49	14.86	14.61	15
		1	24	14.39	14.4	14.56	15
		12	0	14.21	14.17	14.23	15
		12	6	14.09	14.07	14.21	15
		12	13	14.23	14.2	14.22	15
		25	0	14.06	14.2	14.26	15
	64QAM	1	0	14.07	14.08	14	15
		1	13	13.62	13.94	13.86	15
		1	24	14.09	14.09	14.04	15
		12	0	13.95	13.87	14.07	15
		12	6	13.77	13.85	13.79	15
		12	13	13.87	13.78	13.76	15
		25	0	13.97	13.9	14.01	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	14.27	14.21	14.03	15
		1	25	14.41	14.47	13.75	15
		1	49	14.02	14.08	14.15	15
		25	0	14.22	14.26	14.14	15
		25	13	14.19	14.08	14.14	15
		25	25	14.17	14.21	14.2	15
		50	0	14.1	14.17	14.14	15
	16QAM	1	0	14.14	15.08	14.48	15
		1	25	13.91	14.57	14.48	15
		1	49	14.5	14.49	14.55	15
		25	0	14.11	14.07	14.09	15
		25	13	14.03	14.12	14.11	15
		25	25	14.15	14.08	14.05	15
		50	0	14.1	14.03	14.11	15
	64QAM	1	0	14.07	14.06	14.01	15
		1	25	13.69	13.95	13.9	15
		1	49	14.1	14.1	14.08	15
		25	0	13.9	13.87	14.09	15
		25	13	13.84	13.84	13.71	15

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		25	25	13.89	13.75	13.79	15
		50	0	14.04	13.88	14.04	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	14.18	14.29	14.13	15
		1	38	14.09	14.02	14.33	15
		1	74	14.06	13.95	14.12	15
		36	0	14.24	14.25	14.21	15
		36	18	14.2	14.22	14.27	15
		36	39	14.22	14.21	14.21	15
		75	0	14.23	14.18	14.09	15
	16QAM	1	0	14.67	14.84	14.57	15
		1	38	14.83	14.64	14.52	15
		1	74	14.64	14.31	14.4	15
		36	0	14.09	14.14	14.13	15
		36	18	14.14	14.16	14.23	15
		36	39	14.18	14.09	14.17	15
		75	0	14.1	14.01	13.99	15
	64QAM	1	0	14.07	14.03	14.03	15
		1	38	13.63	13.97	13.87	15
		1	74	14.13	14.11	14.08	15
		36	0	13.91	13.92	14.04	15
		36	18	13.82	13.86	13.72	15
		36	39	13.88	13.83	13.77	15
		75	0	13.99	13.88	14.01	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	14.4	14.29	14.22	15
		1	50	14.28	13.87	13.51	15
		1	99	14.24	14.25	14.45	15
		50	0	14.24	14.24	14.23	15
		50	25	14.17	14.27	14.13	15
		50	50	14.21	14.1	14.21	15
		100	0	14.24	14.08	14.26	15
	16QAM	1	0	14.62	14.67	14.33	15
		1	50	14.19	14.73	13.86	15
		1	99	14.53	14.39	14.66	15
		50	0	14.19	14.2	14.16	15
		50	25	14.1	14.13	14.16	15
		50	50	14.05	14.09	14.12	15
		100	0	14.23	14.14	14.25	15

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	64QAM	1	0	14.1	14.12	14.02	15
		1	50	13.67	14.01	13.9	15
		1	99	14.05	14.09	14.11	15
		50	0	13.93	13.88	14.04	15
		50	25	13.79	13.85	13.75	15
		50	50	13.85	13.76	13.78	15
		100	0	14.04	13.87	14.07	15

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LTE Band 2 Receiver on(Right head) + WiFi2.4G Ant1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 18607	Channel 18900	Channel 19193	Tune up
1.4MHz	QPSK	1	0	12.24	12.27	12.13	13
		1	2	11.34	12.27	12.2	13
		1	5	12.25	12.05	12.19	13
		3	0	12.26	12.17	11.94	13
		3	2	12.06	12.14	12.45	13
		3	3	11.83	12.25	12.28	13
		6	0	12.05	11.97	12.3	13
	16QAM	1	0	12.84	12.69	12.46	13
		1	2	11.97	11.92	11.61	13
		1	5	12.62	12.55	12.41	13
		3	0	11.84	12.33	11.8	13
		3	2	12.15	12.14	11.83	13
		3	3	11.97	12.15	11.73	13
		6	0	12.32	12.34	12.2	13
	64QAM	1	0	12.06	12.22	12.09	13
		1	2	11.67	12.06	12.07	13
		1	5	12.24	12.17	12.15	13
		3	0	12.03	11.97	12.04	13
		3	2	11.95	12.02	11.71	13
		3	3	12.02	11.84	11.87	13
		6	0	11.96	11.98	12.23	13
Bandwidth	Modulation	RB size	RB offset	Channel 18615	Channel 18900	Channel 19185	Tune up
3MHz	QPSK	1	0	12.09	12.22	12.14	13
		1	7	12.25	11.21	11.63	13
		1	14	12.21	12.05	12.14	13
		8	0	12.23	12.08	12.21	13
		8	4	12.05	11.98	12	13
		8	7	12.02	12.09	12.22	13
		15	0	11.99	12.27	12.22	13
	16QAM	1	0	12.81	12.5	12.17	13
		1	7	11.71	12.11	12.16	13
		1	14	12.4	12.51	12.4	13
		8	0	12.1	12.08	12.07	13
		8	4	12.06	11.88	12.05	13
		8	7	12.13	12.05	12.08	13
		15	0	12.12	12.13	11.88	13
	64QAM	1	0	12.08	12.1	12.05	13
		1	7	11.78	12.06	12.03	13
		1	14	12.19	12.15	12.19	13
		8	0	12.11	11.98	12.19	13

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		8	4	11.9	11.98	11.86	13
		8	7	11.91	11.83	11.84	13
		15	0	12.11	11.96	12.13	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	12.19	12.23	12	13
		1	13	12.06	12.12	12.19	13
		1	24	12.15	12.05	12.27	13
		12	0	12.33	12.21	12.2	13
		12	6	12.12	12.08	12.2	13
		12	13	12.21	12.16	12.18	13
		25	0	12.1	12.16	11.99	13
	16QAM	1	0	12.81	12.42	12.68	13
		1	13	12.58	12.71	12.36	13
		1	24	12.66	11.96	12.15	13
		12	0	12.15	12.18	12.19	13
		12	6	12.26	12.26	12.29	13
		12	13	12.22	12.17	12.26	13
		25	0	12.25	12.12	12.2	13
	64QAM	1	0	12.18	12.09	12.06	13
		1	13	11.79	12.02	12.06	13
		1	24	12.19	12.26	12.18	13
		12	0	12.03	11.9	12.06	13
		12	6	11.84	11.97	11.72	13
		12	13	11.92	11.82	11.72	13
		25	0	12.03	12.09	12.19	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	12.17	12.21	12.2	13
		1	25	11.59	12.07	11.28	13
		1	49	12.16	12.21	12.19	13
		25	0	12.23	12.24	12.21	13
		25	13	12.2	12.15	12.16	13
		25	25	12.19	12.09	12.16	13
		50	0	12.24	12.2	12.14	13
	16QAM	1	0	12.79	12.57	12.55	13
		1	25	11.99	12.01	12.39	13
		1	49	12.89	12.5	12.51	13
		25	0	12.14	12.09	12.15	13
		25	13	12.09	12.21	12.18	13
		25	25	12.08	12.09	12.08	13
		50	0	12.04	12.18	12.11	13
	64QAM	1	0	12.19	12.1	11.98	13
		1	25	11.84	12.16	12.09	13
		1	49	12.14	12.26	12.15	13
		25	0	12.1	11.98	12.2	13
		25	13	11.79	11.91	11.86	13

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		25	25	11.97	11.83	11.8	13
		50	0	12.02	12.06	12.1	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	12.12	12.29	12.21	13
		1	38	12.09	12.17	12.14	13
		1	74	12.08	12.09	11.94	13
		36	0	12.22	12.26	12.15	13
		36	18	12.18	12.19	12.21	13
		36	39	12.13	12.19	12.21	13
		75	0	12.28	12.27	12.21	13
	16QAM	1	0	12.45	12.43	12.61	13
		1	38	12.7	12.77	12.49	13
		1	74	12.6	12.55	12.48	13
		36	0	12.18	12.22	12.18	13
		36	18	12.12	12.16	12.07	13
		36	39	12.09	12.17	11.98	13
		75	0	12.01	12.2	12.13	13
	64QAM	1	0	12.1	12.09	12.12	13
		1	38	11.79	12.08	12.01	13
		1	74	12.08	12.21	12.05	13
		36	0	12.09	11.88	12.04	13
		36	18	11.88	12.04	11.84	13
		36	39	12.02	11.79	11.82	13
		75	0	11.98	12.07	12.21	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	12.28	12.34	12.37	13
		1	50	12.58	11.97	11.76	13
		1	99	12.19	12.07	12.27	13
		50	0	12.16	12.13	12.13	13
		50	25	12.11	12.14	12.11	13
		50	50	12.13	12.24	12.24	13
		100	0	12.18	12.2	12.23	13
	16QAM	1	0	12.77	12.84	12.71	13
		1	50	12.34	12.19	12.07	13
		1	99	12.64	12.26	12.51	13
		50	0	12.09	12.21	12.2	13
		50	25	12.16	12.15	12.1	13
		50	50	12.11	12.03	11.99	13
		100	0	12.12	12.16	12.02	13

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	64QAM	1	0	12.13	12.22	12.1	13
		1	50	11.69	12.15	11.99	13
		1	99	12.22	12.14	12.21	13
		50	0	11.94	12.04	12.02	13
		50	25	11.84	12.02	11.87	13
		50	50	11.91	11.88	11.82	13
		100	0	12.02	12	12.15	13

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LTE Band 2 Receiver off + WiFi2.4G Ant1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	17.64	17.72	17.78	18.5
		1	2	17.64	17.79	18.02	18.5
		1	5	17.67	17.64	17.78	18.5
		3	0	17.68	17.75	17.61	18.5
		3	2	17.51	17.46	17.44	18.5
		3	3	17.67	17.77	17.65	18.5
		6	0	17.58	17.62	17.65	18.5
	16QAM	1	0	18.22	18	17.93	18.5
		1	2	18.06	18.03	18.04	18.5
		1	5	18.1	18.25	18.04	18.5
		3	0	17.95	17.69	17.8	18.5
		3	2	17.74	17.45	17.43	18.5
		3	3	17.95	17.83	17.48	18.5
		6	0	17.54	17.51	17.41	18.5
	64QAM	1	0	17.55	17.64	17.52	18.5
		1	2	17.17	17.65	17.45	18.5
		1	5	17.68	17.59	17.68	18.5
		3	0	17.41	17.48	17.45	18.5
		3	2	17.26	17.47	17.29	18.5
		3	3	17.4	17.29	17.25	18.5
		6	0	17.47	17.46	17.63	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	17.76	17.69	17.74	18.5
		1	7	17.62	16.95	15.86	18.5
		1	14	17.7	17.77	17.6	18.5
		8	0	17.61	17.7	17.52	18.5
		8	4	17.67	17.61	17.65	18.5
		8	7	17.75	17.68	17.7	18.5
		15	0	17.75	17.62	17.64	18.5
	16QAM	1	0	17.74	17.52	17.93	18.5
		1	7	17.79	17.76	17.2	18.5
		1	14	17.89	18.11	18.37	18.5
		8	0	17.55	17.59	17.61	18.5
		8	4	17.45	17.62	17.64	18.5
		8	7	17.45	17.78	17.48	18.5
		15	0	17.67	17.61	17.68	18.5
	64QAM	1	0	17.6	17.63	17.58	18.5
		1	7	17.17	17.62	17.48	18.5
		1	14	17.65	17.63	17.7	18.5
		8	0	17.36	17.47	17.43	18.5

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		8	4	17.31	17.51	17.34	18.5
		8	7	17.32	17.29	17.24	18.5
		15	0	17.44	17.4	17.63	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	17.77	17.66	17.75	18.5
		1	13	17.71	17.77	17.64	18.5
		1	24	17.7	17.74	17.67	18.5
		12	0	17.78	17.73	17.79	18.5
		12	6	17.78	17.58	17.43	18.5
		12	13	17.75	17.71	17.76	18.5
		25	0	17.85	17.65	17.75	18.5
	16QAM	1	0	17.59	18	18.06	18.5
		1	13	18.01	18.01	17.95	18.5
		1	24	17.57	17.78	18.03	18.5
		12	0	17.73	17.73	17.78	18.5
		12	6	17.37	17.7	17.8	18.5
		12	13	17.69	17.67	17.74	18.5
		25	0	17.79	17.62	17.56	18.5
	64QAM	1	0	17.62	17.68	17.59	18.5
		1	13	17.11	17.56	17.4	18.5
		1	24	17.69	17.56	17.64	18.5
		12	0	17.43	17.51	17.43	18.5
		12	6	17.34	17.46	17.3	18.5
		12	13	17.36	17.37	17.3	18.5
		25	0	17.49	17.49	17.57	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	17.78	17.75	17.68	18.5
		1	25	17.13	17.09	17.47	18.5
		1	49	17.49	17.7	17.74	18.5
		25	0	17.68	17.69	17.77	18.5
		25	13	17.66	17.72	17.7	18.5
		25	25	17.76	17.64	17.63	18.5
		50	0	17.7	17.65	17.68	18.5
	16QAM	1	0	17.84	18.19	17.96	18.5
		1	25	17.72	18.46	17.93	18.5
		1	49	17.97	18.23	18.02	18.5
		25	0	17.64	17.72	17.68	18.5
		25	13	17.47	17.66	17.62	18.5
		25	25	17.68	17.57	17.58	18.5
		50	0	17.59	17.54	17.68	18.5
	64QAM	1	0	17.55	17.67	17.55	18.5
		1	25	17.12	17.55	17.42	18.5
		1	49	17.71	17.55	17.66	18.5
		25	0	17.43	17.51	17.45	18.5
		25	13	17.25	17.42	17.33	18.5

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		25	25	17.34	17.31	17.28	18.5
		50	0	17.44	17.45	17.56	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	17.62	17.74	17.73	18.5
		1	38	17.76	17.69	17.73	18.5
		1	74	17.52	17.58	17.67	18.5
		36	0	17.68	17.73	17.77	18.5
		36	18	17.77	17.7	17.77	18.5
		36	39	17.71	17.69	17.7	18.5
		75	0	17.69	17.69	17.69	18.5
	16QAM	1	0	17.8	17.6	17.82	18.5
		1	38	18.25	17.98	18.23	18.5
		1	74	17.82	17.85	17.99	18.5
		36	0	17.71	17.69	17.67	18.5
		36	18	17.6	17.73	17.66	18.5
		36	39	17.57	17.59	17.63	18.5
		75	0	17.66	17.75	17.64	18.5
	64QAM	1	0	17.59	17.65	17.56	18.5
		1	38	17.1	17.55	17.46	18.5
		1	74	17.68	17.63	17.69	18.5
		36	0	17.43	17.46	17.51	18.5
		36	18	17.27	17.46	17.29	18.5
		36	39	17.4	17.3	17.32	18.5
		75	0	17.48	17.5	17.58	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	17.85	17.91	17.78	18.5
		1	50	17.27	17.13	17.16	18.5
		1	99	17.79	17.74	17.73	18.5
		50	0	17.78	17.71	17.76	18.5
		50	25	17.63	17.73	17.6	18.5
		50	50	17.72	17.72	17.76	18.5
		100	0	17.73	17.76	17.79	18.5
	16QAM	1	0	17.9	18.13	18.19	18.5
		1	50	17.84	17.62	16.83	18.5
		1	99	18.06	18.03	18.01	18.5
		50	0	17.72	17.79	17.76	18.5
		50	25	17.59	17.64	17.71	18.5
		50	50	17.67	17.73	17.71	18.5
		100	0	17.7	17.7	17.64	18.5

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	64QAM	1	0	17.59	17.71	17.53	18.5
		1	50	17.17	17.63	17.44	18.5
		1	99	17.63	17.61	17.68	18.5
		50	0	17.4	17.53	17.43	18.5
		50	25	17.25	17.44	17.3	18.5
		50	50	17.33	17.37	17.23	18.5
		100	0	17.46	17.47	17.62	18.5

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LTE Band 2 Receiver on(Left head) + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 18607	Channel 18900	Channel 19193	Tune up
1.4MHz	QPSK	1	0	12.23	12.21	12.18	13
		1	2	12.46	12.14	11.05	13
		1	5	12.12	12.26	12.34	13
		3	0	12.19	12.13	11.74	13
		3	2	12.22	12.22	12.08	13
		3	3	12.32	12.2	11.8	13
		6	0	11.94	12.05	12.16	13
	16QAM	1	0	12.39	12.27	12.31	13
		1	2	12.73	12.44	12.62	13
		1	5	12.58	12	12.69	13
		3	0	12.18	12.23	12.38	13
		3	2	12.15	12.05	11.76	13
		3	3	12.26	12.12	12.16	13
		6	0	12.25	12.11	12.37	13
	64QAM	1	0	12.09	12.21	12.05	13
		1	2	11.68	12.11	11.91	13
		1	5	12.22	12.1	12.16	13
		3	0	11.88	12.03	11.95	13
		3	2	11.79	11.95	11.86	13
		3	3	11.86	11.84	11.79	13
		6	0	11.94	11.93	12.09	13
Bandwidth	Modulation	RB size	RB offset	Channel 18615	Channel 18900	Channel 19185	Tune up
3MHz	QPSK	1	0	12.19	12.14	12.14	13
		1	7	12.49	12.46	11.77	13
		1	14	12.15	12.22	12.25	13
		8	0	12.2	12.18	12.09	13
		8	4	12.25	12.18	12.37	13
		8	7	12.21	11.99	12.22	13
		15	0	12.19	12.28	12.44	13
	16QAM	1	0	12.66	12.9	11.97	13
		1	7	12.24	12.06	11.81	13
		1	14	12.55	12.78	12.08	13
		8	0	12.11	12.09	12.23	13
		8	4	11.85	12.25	12.03	13
		8	7	11.84	12.1	12.21	13
		15	0	11.94	12.2	12.24	13
	64QAM	1	0	12.13	12.2	12.08	13
		1	7	11.68	12.12	11.92	13
		1	14	12.16	12.09	12.15	13
		8	0	11.87	11.99	11.99	13

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		8	4	11.8	11.96	11.86	13
		8	7	11.88	11.82	11.77	13
		15	0	11.95	11.98	12.09	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	12.28	12.2	12.2	13
		1	13	12.16	12.15	12.12	13
		1	24	12.07	12.28	12.14	13
		12	0	12.34	12.23	12.23	13
		12	6	12.09	12.22	12.1	13
		12	13	12.13	12.16	12.2	13
		25	0	12.03	12.18	11.95	13
	16QAM	1	0	12.69	12.69	12.44	13
		1	13	12.6	12.61	12.79	13
		1	24	12.6	12	12.75	13
		12	0	12.01	12.18	12.11	13
		12	6	12	12	12.08	13
		12	13	12.05	12.22	12.16	13
		25	0	12.2	11.9	12.2	13
	64QAM	1	0	12.07	12.16	12.06	13
		1	13	11.63	12.12	11.96	13
		1	24	12.2	12.14	12.19	13
		12	0	11.88	11.98	12	13
		12	6	11.79	11.95	11.83	13
		12	13	11.86	11.84	11.82	13
		25	0	11.98	11.99	12.13	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	12.2	12.02	12.14	13
		1	25	12.03	12.21	12.12	13
		1	49	12.07	12.16	12.13	13
		25	0	12.17	12.17	12.19	13
		25	13	12.09	12.19	12.25	13
		25	25	12.18	12.2	12.21	13
		50	0	12.2	12.23	12.22	13
	16QAM	1	0	12.42	12.63	12.43	13
		1	25	12.42	12.62	12.35	13
		1	49	12.59	12.03	12.39	13
		25	0	12.18	12.15	12.11	13
		25	13	12.21	12.11	12.15	13
		25	25	12.08	12.13	11.92	13
		50	0	12.13	12.22	11.97	13
	64QAM	1	0	12.08	12.21	12.09	13
		1	25	11.66	12.13	11.95	13
		1	49	12.17	12.07	12.2	13
		25	0	11.9	11.99	11.95	13
		25	13	11.77	12	11.81	13

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		25	25	11.84	11.82	11.78	13
		50	0	11.97	11.99	12.15	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	12.21	12.07	12.13	13
		1	38	12.17	12.03	12.21	13
		1	74	12.11	12.07	12.05	13
		36	0	12.13	12.25	12.19	13
		36	18	12.21	12.2	12.18	13
		36	39	12.15	12.19	12.22	13
		75	0	12.23	12.28	12.16	13
	16QAM	1	0	12.39	12.51	12.43	13
		1	38	12.54	12.91	12.41	13
		1	74	12	12.67	12.61	13
		36	0	12.22	12.28	12.19	13
		36	18	12.07	12.17	12.19	13
		36	39	12.1	12.1	12.02	13
		75	0	12.25	12.22	12.07	13
	64QAM	1	0	12.08	12.17	12.04	13
		1	38	11.63	12.09	11.94	13
		1	74	12.21	12.06	12.18	13
		36	0	11.91	11.97	12	13
		36	18	11.83	11.98	11.8	13
		36	39	11.89	11.88	11.77	13
		75	0	12.02	11.98	12.14	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	12.34	12.3	12.25	13
		1	50	12.37	11.67	11.97	13
		1	99	12.18	12.23	12.25	13
		50	0	12.18	12.26	12.15	13
		50	25	12.14	12.15	12.16	13
		50	50	12.14	12.12	12.24	13
		100	0	12.19	12.2	12.13	13
	16QAM	1	0	12.33	12.39	12.67	13
		1	50	12.64	12.8	12.46	13
		1	99	12.63	12.51	12.75	13
		50	0	12.11	12.24	12.17	13
		50	25	12.11	12.22	12.07	13
		50	50	12.07	12.03	12.21	13
		100	0	12.13	12.2	12.05	13

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	64QAM	1	0	12.07	12.18	12.03	13
		1	50	11.63	12.14	11.96	13
		1	99	12.17	12.09	12.21	13
		50	0	11.91	11.97	12	13
		50	25	11.77	12.02	11.8	13
		50	50	11.89	11.84	11.81	13
		100	0	12.01	11.98	12.08	13

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LTE Band 2 Receiver on(Right head) + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	10.28	10.24	10.15	11
		1	2	9.86	9.34	9.73	11
		1	5	10.23	10.23	10.12	11
		3	0	10.19	10.14	9.98	11
		3	2	10.19	10.47	9.9	11
		3	3	10.12	9.5	10.15	11
		6	0	10.14	10.14	10.24	11
	16QAM	1	0	10.3	10.47	10.6	11
		1	2	9.49	10.57	10.31	11
		1	5	10.41	10.52	9.91	11
		3	0	10.1	10.1	10.02	11
		3	2	10.29	10.32	9.98	11
		3	3	10.04	9.97	9.97	11
		6	0	9.86	9.73	10.34	11
	64QAM	1	0	10.09	10.22	10.08	11
		1	2	9.65	10.27	10.04	11
		1	5	10.17	10.17	10.27	11
		3	0	9.99	10.05	10.08	11
		3	2	9.79	10.11	9.91	11
		3	3	10.04	9.86	9.92	11
		6	0	10.06	10	10.17	11
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	10.12	10.1	10.08	11
		1	7	9.5	9.59	9.29	11
		1	14	10.14	10.18	10.11	11
		8	0	10.01	10.02	10.41	11
		8	4	10.17	10.15	10.08	11
		8	7	9.93	10.17	9.86	11
		15	0	10.15	10.21	10.18	11
	16QAM	1	0	10.21	10.15	10.36	11
		1	7	9.22	8.39	9.96	11
		1	14	10.52	10.65	10.5	11
		8	0	10.13	9.88	9.98	11
		8	4	9.94	10.29	9.97	11
		8	7	10.13	9.97	10.22	11
		15	0	10.08	10.23	10.12	11
	64QAM	1	0	10.09	10.21	10.11	11
		1	7	9.71	10.22	9.96	11
		1	14	10.19	10.22	10.25	11
		8	0	10.03	10.05	10.05	11

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		8	4	9.81	10.13	9.89	11
		8	7	9.95	9.91	9.94	11
		15	0	10.07	10.11	10.1	11
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	10.17	10.11	10.13	11
		1	13	10.05	10.11	10.15	11
		1	24	10.05	10.13	10.25	11
		12	0	10.21	10.17	10.16	11
		12	6	10.24	10.19	10.17	11
		12	13	10.22	10.15	10.15	11
		25	0	10.2	10.13	10.24	11
	16QAM	1	0	10.58	10.59	9.62	11
		1	13	10.62	10.53	10.66	11
		1	24	10.35	10.41	10.62	11
		12	0	10.32	10.22	10.2	11
		12	6	10.21	10.01	10.17	11
		12	13	10.15	10.24	10.3	11
		25	0	10.15	10.02	10.03	11
	64QAM	1	0	10.07	10.25	10.16	11
		1	13	9.67	10.25	10.01	11
		1	24	10.28	10.15	10.21	11
		12	0	9.94	10	10.07	11
		12	6	9.9	10.06	9.94	11
		12	13	9.96	9.99	9.92	11
		25	0	10.16	9.99	10.14	11
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	10.15	10.12	10.24	11
		1	25	9.4	9.9	9.81	11
		1	49	10.11	10.15	10.21	11
		25	0	10.15	10.22	10.25	11
		25	13	10.02	10.16	10.18	11
		25	25	10.12	10.17	10.11	11
		50	0	10.16	10.18	10.15	11
	16QAM	1	0	10.61	10.47	10.37	11
		1	25	10.35	10.03	10.1	11
		1	49	10.55	10.4	10.25	11
		25	0	10.01	10.1	10.16	11
		25	13	10.03	10.05	10.05	11
		25	25	10.13	10.16	10.12	11
		50	0	10.05	10.14	10.05	11
	64QAM	1	0	10.2	10.23	10.11	11
		1	25	9.69	10.24	10.06	11
		1	49	10.17	10.12	10.34	11
		25	0	9.92	9.98	10.1	11
		25	13	9.87	10.09	9.83	11

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		25	25	9.92	9.96	9.91	11
		50	0	10.02	10.1	10.15	11
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	10.24	10.18	10.11	11
		1	38	10.19	10.16	10.1	11
		1	74	10.06	9.99	10.1	11
		36	0	10.17	10.29	10.24	11
		36	18	10.29	10.15	10.2	11
		36	39	10.16	10.17	10.17	11
		75	0	10.22	10.22	10.19	11
	16QAM	1	0	10.74	10.15	10.18	11
		1	38	10.31	10.55	10.37	11
		1	74	10.08	10.58	10.34	11
		36	0	10.2	10.28	10.24	11
		36	18	10.17	10.11	10.1	11
		36	39	10.06	10.11	10.07	11
		75	0	10.12	10.15	10.24	11
	64QAM	1	0	10.08	10.23	10.14	11
		1	38	9.71	10.15	10.01	11
		1	74	10.19	10.2	10.27	11
		36	0	9.95	10	10.03	11
		36	18	9.91	10.12	9.9	11
		36	39	9.95	9.94	9.83	11
		75	0	10.08	10	10.18	11
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	10.39	10.39	10.34	11
		1	50	10.35	10.1	10.11	11
		1	99	10.08	10.16	10.19	11
		50	0	10.24	10.2	10.25	11
		50	25	10.24	10.13	10.23	11
		50	50	10.18	10.12	10.2	11
		100	0	10.1	10.18	10.17	11
	16QAM	1	0	10.79	10.09	10.37	11
		1	50	10.48	10.3	10.45	11
		1	99	10.56	10.68	9.97	11
		50	0	10.14	10.13	10.11	11
		50	25	9.99	10.13	10.09	11
		50	50	10.09	10.09	10.14	11
		100	0	10	10.1	10.08	11

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	64QAM	1	0	10.18	10.28	10.12	11
		1	50	9.77	10.27	9.96	11
		1	99	10.17	10.21	10.36	11
		50	0	9.91	10.12	10.11	11
		50	25	9.77	10.1	9.91	11
		50	50	10.02	9.9	9.92	11
		100	0	10.12	10.04	10.18	11

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LTE Band 2 Receiver off + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	15.53	15.76	15.67	16.5
		1	2	14.7	15.78	15.7	16.5
		1	5	15.7	15.79	15.69	16.5
		3	0	15.29	15.7	15.48	16.5
		3	2	15.74	15.25	15.41	16.5
		3	3	15.76	15.53	15.71	16.5
		6	0	15.67	15.81	15.65	16.5
	16QAM	1	0	16.44	15.99	16.37	16.5
		1	2	15.5	15.66	15.75	16.5
		1	5	15.94	15.98	16.07	16.5
		3	0	15.64	15.72	15.44	16.5
		3	2	15.98	15.47	15.42	16.5
		3	3	15.68	15.24	15.44	16.5
		6	0	15.53	15.52	15.49	16.5
	64QAM	1	0	15.68	15.74	15.6	16.5
		1	2	15.19	15.72	15.37	16.5
		1	5	15.67	15.63	15.83	16.5
		3	0	15.32	15.58	15.52	16.5
		3	2	15.22	15.51	15.37	16.5
		3	3	15.43	15.39	15.33	16.5
		6	0	15.61	15.44	15.61	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	15.87	15.74	15.63	16.5
		1	7	14.91	15.35	15.18	16.5
		1	14	15.72	15.71	15.67	16.5
		8	0	15.45	15.76	15.46	16.5
		8	4	15.49	15.72	15.62	16.5
		8	7	15.42	15.73	15.38	16.5
		15	0	15.91	15.77	15.69	16.5
	16QAM	1	0	16.2	16.19	15.88	16.5
		1	7	15.77	14.8	15.22	16.5
		1	14	16.23	15.6	16	16.5
		8	0	15.7	15.76	15.52	16.5
		8	4	15.6	15.52	15.66	16.5
		8	7	15.51	15.55	15.64	16.5
		15	0	15.75	15.71	15.64	16.5
	64QAM	1	0	15.68	15.77	15.54	16.5
		1	7	15.25	15.72	15.44	16.5
		1	14	15.66	15.62	15.77	16.5
		8	0	15.33	15.6	15.55	16.5

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		8	4	15.23	15.58	15.37	16.5
		8	7	15.46	15.3	15.36	16.5
		15	0	15.54	15.5	15.58	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	15.82	15.76	15.75	16.5
		1	13	15.84	15.72	15.69	16.5
		1	24	15.62	15.71	15.87	16.5
		12	0	15.77	15.76	15.73	16.5
		12	6	15.57	15.62	15.72	16.5
		12	13	15.74	15.73	15.81	16.5
		25	0	15.73	15.72	15.68	16.5
	16QAM	1	0	16.23	15.67	16.2	16.5
		1	13	16.32	16.12	16.17	16.5
		1	24	16.28	15.85	15.85	16.5
		12	0	15.74	15.88	15.72	16.5
		12	6	15.86	15.54	15.57	16.5
		12	13	15.69	15.7	15.77	16.5
		25	0	15.74	15.63	15.59	16.5
	64QAM	1	0	15.62	15.77	15.53	16.5
		1	13	15.27	15.71	15.39	16.5
		1	24	15.64	15.63	15.76	16.5
		12	0	15.4	15.61	15.58	16.5
		12	6	15.2	15.55	15.35	16.5
		12	13	15.51	15.39	15.35	16.5
		25	0	15.6	15.48	15.67	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	15.79	15.75	15.78	16.5
		1	25	15.32	15.02	15.13	16.5
		1	49	15.7	15.67	15.78	16.5
		25	0	15.77	15.79	15.78	16.5
		25	13	15.62	15.61	15.72	16.5
		25	25	15.72	15.65	15.66	16.5
		50	0	15.67	15.65	15.7	16.5
	16QAM	1	0	16.67	16.09	15.86	16.5
		1	25	16.02	16.24	15.8	16.5
		1	49	15.41	15.87	15.75	16.5
		25	0	15.67	15.66	15.69	16.5
		25	13	15.61	15.65	15.64	16.5
		25	25	15.57	15.59	15.55	16.5
		50	0	15.7	15.7	15.6	16.5
	64QAM	1	0	15.65	15.74	15.57	16.5
		1	25	15.26	15.74	15.43	16.5
		1	49	15.63	15.62	15.79	16.5
		25	0	15.36	15.53	15.6	16.5
		25	13	15.22	15.52	15.34	16.5

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		25	25	15.43	15.37	15.33	16.5
		50	0	15.56	15.52	15.67	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	15.6	15.73	15.61	16.5
		1	38	15.81	15.65	15.66	16.5
		1	74	15.62	15.53	15.62	16.5
		36	0	15.71	15.76	15.72	16.5
		36	18	15.73	15.63	15.76	16.5
		36	39	15.73	15.72	15.63	16.5
		75	0	15.58	15.63	15.82	16.5
	16QAM	1	0	15.56	15.5	15.55	16.5
		1	38	15.88	15.66	15.96	16.5
		1	74	15.85	15.43	15.82	16.5
		36	0	15.81	15.81	15.7	16.5
		36	18	15.57	15.69	15.56	16.5
		36	39	15.62	15.62	15.57	16.5
		75	0	15.6	15.6	15.71	16.5
	64QAM	1	0	15.63	15.71	15.55	16.5
		1	38	15.23	15.7	15.44	16.5
		1	74	15.65	15.66	15.82	16.5
		36	0	15.37	15.52	15.59	16.5
		36	18	15.25	15.54	15.41	16.5
		36	39	15.44	15.38	15.35	16.5
		75	0	15.58	15.5	15.58	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	15.8	15.93	15.77	16.5
		1	50	15.73	15.61	15.63	16.5
		1	99	15.67	15.63	15.72	16.5
		50	0	15.66	15.73	15.69	16.5
		50	25	15.69	15.63	15.63	16.5
		50	50	15.6	15.74	15.62	16.5
		100	0	15.7	15.77	15.74	16.5
	16QAM	1	0	16.28	16.2	16.26	16.5
		1	50	16.05	16.08	16.11	16.5
		1	99	15.82	16.01	16.09	16.5
		50	0	15.71	15.62	15.63	16.5
		50	25	15.63	15.55	15.56	16.5
		50	50	15.63	15.64	15.6	16.5
		100	0	15.59	15.66	15.63	16.5

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	64QAM	1	0	15.68	15.7	15.56	16.5
		1	50	15.24	15.76	15.44	16.5
		1	99	15.57	15.61	15.78	16.5
		50	0	15.38	15.55	15.52	16.5
		50	25	15.27	15.54	15.34	16.5
		50	50	15.5	15.37	15.32	16.5
		100	0	15.59	15.52	15.62	16.5

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LTE Band 2 Receiver on(Left head) + BT + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	12.23	12.21	12.18	13
		1	2	12.46	12.14	11.05	13
		1	5	12.12	12.26	12.34	13
		3	0	12.19	12.13	11.74	13
		3	2	12.22	12.22	12.08	13
		3	3	12.32	12.2	11.8	13
		6	0	11.94	12.05	12.16	13
	16QAM	1	0	12.39	12.27	12.31	13
		1	2	12.73	12.44	12.62	13
		1	5	12.58	12	12.69	13
		3	0	12.18	12.23	12.38	13
		3	2	12.15	12.05	11.76	13
		3	3	12.26	12.12	12.16	13
		6	0	12.25	12.11	12.37	13
	64QAM	1	0	12.09	12.21	12.05	13
		1	2	11.68	12.11	11.91	13
		1	5	12.22	12.1	12.16	13
		3	0	11.88	12.03	11.95	13
		3	2	11.79	11.95	11.86	13
		3	3	11.86	11.84	11.79	13
		6	0	11.94	11.93	12.09	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	12.19	12.14	12.14	13
		1	7	12.49	12.46	11.77	13
		1	14	12.15	12.22	12.25	13
		8	0	12.2	12.18	12.09	13
		8	4	12.25	12.18	12.37	13
		8	7	12.21	11.99	12.22	13
		15	0	12.19	12.28	12.44	13
	16QAM	1	0	12.66	12.9	11.97	13
		1	7	12.24	12.06	11.81	13
		1	14	12.55	12.78	12.08	13
		8	0	12.11	12.09	12.23	13
		8	4	11.85	12.25	12.03	13
		8	7	11.84	12.1	12.21	13
		15	0	11.94	12.2	12.24	13
	64QAM	1	0	12.13	12.2	12.08	13
		1	7	11.68	12.12	11.92	13
		1	14	12.16	12.09	12.15	13
		8	0	11.87	11.99	11.99	13

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		8	4	11.8	11.96	11.86	13
		8	7	11.88	11.82	11.77	13
		15	0	11.95	11.98	12.09	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	12.28	12.2	12.2	13
		1	13	12.16	12.15	12.12	13
		1	24	12.07	12.28	12.14	13
		12	0	12.34	12.23	12.23	13
		12	6	12.09	12.22	12.1	13
		12	13	12.13	12.16	12.2	13
		25	0	12.03	12.18	11.95	13
	16QAM	1	0	12.69	12.69	12.44	13
		1	13	12.6	12.61	12.79	13
		1	24	12.6	12	12.75	13
		12	0	12.01	12.18	12.11	13
		12	6	12	12	12.08	13
		12	13	12.05	12.22	12.16	13
		25	0	12.2	11.9	12.2	13
	64QAM	1	0	12.07	12.16	12.06	13
		1	13	11.63	12.12	11.96	13
		1	24	12.2	12.14	12.19	13
		12	0	11.88	11.98	12	13
		12	6	11.79	11.95	11.83	13
		12	13	11.86	11.84	11.82	13
		25	0	11.98	11.99	12.13	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	12.2	12.02	12.14	13
		1	25	12.03	12.21	12.12	13
		1	49	12.07	12.16	12.13	13
		25	0	12.17	12.17	12.19	13
		25	13	12.09	12.19	12.25	13
		25	25	12.18	12.2	12.21	13
		50	0	12.2	12.23	12.22	13
	16QAM	1	0	12.42	12.63	12.43	13
		1	25	12.42	12.62	12.35	13
		1	49	12.59	12.03	12.39	13
		25	0	12.18	12.15	12.11	13
		25	13	12.21	12.11	12.15	13
		25	25	12.08	12.13	11.92	13
		50	0	12.13	12.22	11.97	13
	64QAM	1	0	12.08	12.21	12.09	13
		1	25	11.66	12.13	11.95	13
		1	49	12.17	12.07	12.2	13
		25	0	11.9	11.99	11.95	13
		25	13	11.77	12	11.81	13
		25	25	11.77	12	11.81	13

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		25	25	11.84	11.82	11.78	13
		50	0	11.97	11.99	12.15	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	12.21	12.07	12.13	13
		1	38	12.17	12.03	12.21	13
		1	74	12.11	12.07	12.05	13
		36	0	12.13	12.25	12.19	13
		36	18	12.21	12.2	12.18	13
		36	39	12.15	12.19	12.22	13
		75	0	12.23	12.28	12.16	13
	16QAM	1	0	12.39	12.51	12.43	13
		1	38	12.54	12.91	12.41	13
		1	74	12	12.67	12.61	13
		36	0	12.22	12.28	12.19	13
		36	18	12.07	12.17	12.19	13
		36	39	12.1	12.1	12.02	13
		75	0	12.25	12.22	12.07	13
	64QAM	1	0	12.08	12.17	12.04	13
		1	38	11.63	12.09	11.94	13
		1	74	12.21	12.06	12.18	13
		36	0	11.91	11.97	12	13
		36	18	11.83	11.98	11.8	13
		36	39	11.89	11.88	11.77	13
		75	0	12.02	11.98	12.14	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	12.34	12.3	12.25	13
		1	50	12.37	11.67	11.97	13
		1	99	12.18	12.23	12.25	13
		50	0	12.18	12.26	12.15	13
		50	25	12.14	12.15	12.16	13
		50	50	12.14	12.12	12.24	13
		100	0	12.19	12.2	12.13	13
	16QAM	1	0	12.33	12.39	12.67	13
		1	50	12.64	12.8	12.46	13
		1	99	12.63	12.51	12.75	13
		50	0	12.11	12.24	12.17	13
		50	25	12.11	12.22	12.07	13
		50	50	12.07	12.03	12.21	13
		100	0	12.13	12.2	12.05	13

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	64QAM	1	0	12.07	12.18	12.03	13
		1	50	11.63	12.14	11.96	13
		1	99	12.17	12.09	12.21	13
		50	0	11.91	11.97	12	13
		50	25	11.77	12.02	11.8	13
		50	50	11.89	11.84	11.81	13
		100	0	12.01	11.98	12.08	13

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LTE Band 2 Receiver on(Right head) + BT + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	10.28	10.24	10.15	11
		1	2	9.86	9.34	9.73	11
		1	5	10.23	10.23	10.12	11
		3	0	10.19	10.14	9.98	11
		3	2	10.19	10.47	9.9	11
		3	3	10.12	9.5	10.15	11
		6	0	10.14	10.14	10.24	11
	16QAM	1	0	10.3	10.47	10.6	11
		1	2	9.49	10.57	10.31	11
		1	5	10.41	10.52	9.91	11
		3	0	10.1	10.1	10.02	11
		3	2	10.29	10.32	9.98	11
		3	3	10.04	9.97	9.97	11
		6	0	9.86	9.73	10.34	11
	64QAM	1	0	10.09	10.22	10.08	11
		1	2	9.65	10.27	10.04	11
		1	5	10.17	10.17	10.27	11
		3	0	9.99	10.05	10.08	11
		3	2	9.79	10.11	9.91	11
		3	3	10.04	9.86	9.92	11
		6	0	10.06	10	10.17	11
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	10.12	10.1	10.08	11
		1	7	9.5	9.59	9.29	11
		1	14	10.14	10.18	10.11	11
		8	0	10.01	10.02	10.41	11
		8	4	10.17	10.15	10.08	11
		8	7	9.93	10.17	9.86	11
		15	0	10.15	10.21	10.18	11
	16QAM	1	0	10.21	10.15	10.36	11
		1	7	9.22	8.39	9.96	11
		1	14	10.52	10.65	10.5	11
		8	0	10.13	9.88	9.98	11
		8	4	9.94	10.29	9.97	11
		8	7	10.13	9.97	10.22	11
		15	0	10.08	10.23	10.12	11
	64QAM	1	0	10.09	10.21	10.11	11
		1	7	9.71	10.22	9.96	11
		1	14	10.19	10.22	10.25	11
		8	0	10.03	10.05	10.05	11

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		8	4	9.81	10.13	9.89	11
		8	7	9.95	9.91	9.94	11
		15	0	10.07	10.11	10.1	11
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	10.17	10.11	10.13	11
		1	13	10.05	10.11	10.15	11
		1	24	10.05	10.13	10.25	11
		12	0	10.21	10.17	10.16	11
		12	6	10.24	10.19	10.17	11
		12	13	10.22	10.15	10.15	11
		25	0	10.2	10.13	10.24	11
	16QAM	1	0	10.58	10.59	9.62	11
		1	13	10.62	10.53	10.66	11
		1	24	10.35	10.41	10.62	11
		12	0	10.32	10.22	10.2	11
		12	6	10.21	10.01	10.17	11
		12	13	10.15	10.24	10.3	11
		25	0	10.15	10.02	10.03	11
	64QAM	1	0	10.07	10.25	10.16	11
		1	13	9.67	10.25	10.01	11
		1	24	10.28	10.15	10.21	11
		12	0	9.94	10	10.07	11
		12	6	9.9	10.06	9.94	11
		12	13	9.96	9.99	9.92	11
		25	0	10.16	9.99	10.14	11
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	10.15	10.12	10.24	11
		1	25	9.4	9.9	9.81	11
		1	49	10.11	10.15	10.21	11
		25	0	10.15	10.22	10.25	11
		25	13	10.02	10.16	10.18	11
		25	25	10.12	10.17	10.11	11
		50	0	10.16	10.18	10.15	11
	16QAM	1	0	10.61	10.47	10.37	11
		1	25	10.35	10.03	10.1	11
		1	49	10.55	10.4	10.25	11
		25	0	10.01	10.1	10.16	11
		25	13	10.03	10.05	10.05	11
		25	25	10.13	10.16	10.12	11
		50	0	10.05	10.14	10.05	11
	64QAM	1	0	10.2	10.23	10.11	11
		1	25	9.69	10.24	10.06	11
		1	49	10.17	10.12	10.34	11
		25	0	9.92	9.98	10.1	11
		25	13	9.87	10.09	9.83	11

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		25	25	9.92	9.96	9.91	11
		50	0	10.02	10.1	10.15	11
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	10.24	10.18	10.11	11
		1	38	10.19	10.16	10.1	11
		1	74	10.06	9.99	10.1	11
		36	0	10.17	10.29	10.24	11
		36	18	10.29	10.15	10.2	11
		36	39	10.16	10.17	10.17	11
		75	0	10.22	10.22	10.19	11
	16QAM	1	0	10.74	10.15	10.18	11
		1	38	10.31	10.55	10.37	11
		1	74	10.08	10.58	10.34	11
		36	0	10.2	10.28	10.24	11
		36	18	10.17	10.11	10.1	11
		36	39	10.06	10.11	10.07	11
		75	0	10.12	10.15	10.24	11
	64QAM	1	0	10.08	10.23	10.14	11
		1	38	9.71	10.15	10.01	11
		1	74	10.19	10.2	10.27	11
		36	0	9.95	10	10.03	11
		36	18	9.91	10.12	9.9	11
		36	39	9.95	9.94	9.83	11
		75	0	10.08	10	10.18	11
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	10.39	10.39	10.34	11
		1	50	10.35	10.1	10.11	11
		1	99	10.08	10.16	10.19	11
		50	0	10.24	10.2	10.25	11
		50	25	10.24	10.13	10.23	11
		50	50	10.18	10.12	10.2	11
		100	0	10.1	10.18	10.17	11
	16QAM	1	0	10.79	10.09	10.37	11
		1	50	10.48	10.3	10.45	11
		1	99	10.56	10.68	9.97	11
		50	0	10.14	10.13	10.11	11
		50	25	9.99	10.13	10.09	11
		50	50	10.09	10.09	10.14	11
		100	0	10	10.1	10.08	11

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	64QAM	1	0	10.18	10.28	10.12	11
		1	50	9.77	10.27	9.96	11
		1	99	10.17	10.21	10.36	11
		50	0	9.91	10.12	10.11	11
		50	25	9.77	10.1	9.91	11
		50	50	10.02	9.9	9.92	11
		100	0	10.12	10.04	10.18	11

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LTE Band 2 Receiver off + BT + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	15.53	15.76	15.67	16.5
		1	2	14.7	15.78	15.7	16.5
		1	5	15.7	15.79	15.69	16.5
		3	0	15.29	15.7	15.48	16.5
		3	2	15.74	15.25	15.41	16.5
		3	3	15.76	15.53	15.71	16.5
		6	0	15.67	15.81	15.65	16.5
	16QAM	1	0	16.44	15.99	16.37	16.5
		1	2	15.5	15.66	15.75	16.5
		1	5	15.94	15.98	16.07	16.5
		3	0	15.64	15.72	15.44	16.5
		3	2	15.98	15.47	15.42	16.5
		3	3	15.68	15.24	15.44	16.5
		6	0	15.53	15.52	15.49	16.5
	64QAM	1	0	15.68	15.74	15.6	16.5
		1	2	15.19	15.72	15.37	16.5
		1	5	15.67	15.63	15.83	16.5
		3	0	15.32	15.58	15.52	16.5
		3	2	15.22	15.51	15.37	16.5
		3	3	15.43	15.39	15.33	16.5
		6	0	15.61	15.44	15.61	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	15.87	15.74	15.63	16.5
		1	7	14.91	15.35	15.18	16.5
		1	14	15.72	15.71	15.67	16.5
		8	0	15.45	15.76	15.46	16.5
		8	4	15.49	15.72	15.62	16.5
		8	7	15.42	15.73	15.38	16.5
		15	0	15.91	15.77	15.69	16.5
	16QAM	1	0	16.2	16.19	15.88	16.5
		1	7	15.77	14.8	15.22	16.5
		1	14	16.23	15.6	16	16.5
		8	0	15.7	15.76	15.52	16.5
		8	4	15.6	15.52	15.66	16.5
		8	7	15.51	15.55	15.64	16.5
		15	0	15.75	15.71	15.64	16.5
	64QAM	1	0	15.68	15.77	15.54	16.5
		1	7	15.25	15.72	15.44	16.5
		1	14	15.66	15.62	15.77	16.5
		8	0	15.33	15.6	15.55	16.5

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		8	4	15.23	15.58	15.37	16.5
		8	7	15.46	15.3	15.36	16.5
		15	0	15.54	15.5	15.58	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	15.82	15.76	15.75	16.5
		1	13	15.84	15.72	15.69	16.5
		1	24	15.62	15.71	15.87	16.5
		12	0	15.77	15.76	15.73	16.5
		12	6	15.57	15.62	15.72	16.5
		12	13	15.74	15.73	15.81	16.5
		25	0	15.73	15.72	15.68	16.5
	16QAM	1	0	16.23	15.67	16.2	16.5
		1	13	16.32	16.12	16.17	16.5
		1	24	16.28	15.85	15.85	16.5
		12	0	15.74	15.88	15.72	16.5
		12	6	15.86	15.54	15.57	16.5
		12	13	15.69	15.7	15.77	16.5
		25	0	15.74	15.63	15.59	16.5
	64QAM	1	0	15.62	15.77	15.53	16.5
		1	13	15.27	15.71	15.39	16.5
		1	24	15.64	15.63	15.76	16.5
		12	0	15.4	15.61	15.58	16.5
		12	6	15.2	15.55	15.35	16.5
		12	13	15.51	15.39	15.35	16.5
		25	0	15.6	15.48	15.67	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	15.79	15.75	15.78	16.5
		1	25	15.32	15.02	15.13	16.5
		1	49	15.7	15.67	15.78	16.5
		25	0	15.77	15.79	15.78	16.5
		25	13	15.62	15.61	15.72	16.5
		25	25	15.72	15.65	15.66	16.5
		50	0	15.67	15.65	15.7	16.5
	16QAM	1	0	16.67	16.09	15.86	16.5
		1	25	16.02	16.24	15.8	16.5
		1	49	15.41	15.87	15.75	16.5
		25	0	15.67	15.66	15.69	16.5
		25	13	15.61	15.65	15.64	16.5
		25	25	15.57	15.59	15.55	16.5
		50	0	15.7	15.7	15.6	16.5
	64QAM	1	0	15.65	15.74	15.57	16.5
		1	25	15.26	15.74	15.43	16.5
		1	49	15.63	15.62	15.79	16.5
		25	0	15.36	15.53	15.6	16.5
		25	13	15.22	15.52	15.34	16.5

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		25	25	15.43	15.37	15.33	16.5
		50	0	15.56	15.52	15.67	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	15.6	15.73	15.61	16.5
		1	38	15.81	15.65	15.66	16.5
		1	74	15.62	15.53	15.62	16.5
		36	0	15.71	15.76	15.72	16.5
		36	18	15.73	15.63	15.76	16.5
		36	39	15.73	15.72	15.63	16.5
		75	0	15.58	15.63	15.82	16.5
	16QAM	1	0	15.56	15.5	15.55	16.5
		1	38	15.88	15.66	15.96	16.5
		1	74	15.85	15.43	15.82	16.5
		36	0	15.81	15.81	15.7	16.5
		36	18	15.57	15.69	15.56	16.5
		36	39	15.62	15.62	15.57	16.5
		75	0	15.6	15.6	15.71	16.5
	64QAM	1	0	15.63	15.71	15.55	16.5
		1	38	15.23	15.7	15.44	16.5
		1	74	15.65	15.66	15.82	16.5
		36	0	15.37	15.52	15.59	16.5
		36	18	15.25	15.54	15.41	16.5
		36	39	15.44	15.38	15.35	16.5
		75	0	15.58	15.5	15.58	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	15.8	15.93	15.77	16.5
		1	50	15.73	15.61	15.63	16.5
		1	99	15.67	15.63	15.72	16.5
		50	0	15.66	15.73	15.69	16.5
		50	25	15.69	15.63	15.63	16.5
		50	50	15.6	15.74	15.62	16.5
		100	0	15.7	15.77	15.74	16.5
	16QAM	1	0	16.28	16.2	16.26	16.5
		1	50	16.05	16.08	16.11	16.5
		1	99	15.82	16.01	16.09	16.5
		50	0	15.71	15.62	15.63	16.5
		50	25	15.63	15.55	15.56	16.5
		50	50	15.63	15.64	15.6	16.5
		100	0	15.59	15.66	15.63	16.5

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	64QAM	1	0	15.68	15.7	15.56	16.5
		1	50	15.24	15.76	15.44	16.5
		1	99	15.57	15.61	15.78	16.5
		50	0	15.38	15.55	15.52	16.5
		50	25	15.27	15.54	15.34	16.5
		50	50	15.5	15.37	15.32	16.5
		100	0	15.59	15.52	15.62	16.5

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LTE Band 2 Receiver on(Left head) + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	14.21	14.2	14.21	15
		1	2	14.13	13.25	13.75	15
		1	5	14.18	14.04	14.13	15
		3	0	14.24	13.87	14.09	15
		3	2	14.26	14.18	14.12	15
		3	3	14.03	14.03	14.18	15
		6	0	14.12	14.53	14.37	15
	16QAM	1	0	14.79	14.24	14.42	15
		1	2	14.73	13.37	14.15	15
		1	5	14.54	14.46	14.7	15
		3	0	14.09	14.58	13.71	15
		3	2	14.22	13.23	13.82	15
		3	3	14.5	14.28	14.05	15
		6	0	14	14.13	14.26	15
	64QAM	1	0	14.05	14.05	13.97	15
		1	2	13.67	14.01	13.93	15
		1	5	14.06	14.14	14.05	15
		3	0	13.93	13.87	14.02	15
		3	2	13.78	13.91	13.7	15
		3	3	13.9	13.78	13.72	15
		6	0	13.95	13.92	14.05	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	14.14	14.18	14.08	15
		1	7	14.39	14.02	13.9	15
		1	14	14.07	14.24	14.03	15
		8	0	14.16	14.15	14.07	15
		8	4	14.29	13.75	14.06	15
		8	7	14.04	13.97	14.15	15
		15	0	14.15	14.1	14.3	15
	16QAM	1	0	14.79	14	14.56	15
		1	7	13.59	13.2	13.64	15
		1	14	14.31	13.72	14.58	15
		8	0	14.23	14.06	14.12	15
		8	4	14.15	13.89	14.18	15
		8	7	14.08	14.18	14.2	15
		15	0	14.1	14.26	14.23	15
	64QAM	1	0	14.04	14.05	14.04	15
		1	7	13.67	13.96	13.86	15
		1	14	14.12	14.15	14.07	15
		8	0	13.92	13.88	14	15

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		8	4	13.76	13.89	13.77	15
		8	7	13.83	13.78	13.74	15
		15	0	13.95	13.93	14.01	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	14.28	14.06	14	15
		1	13	14.13	14.11	14.38	15
		1	24	14.15	14.11	14.21	15
		12	0	14.25	14.2	14.2	15
		12	6	14.09	14.21	13.86	15
		12	13	14.25	14.3	14.16	15
		25	0	14.17	14.3	14.16	15
	16QAM	1	0	14.49	14.84	14.65	15
		1	13	14.49	14.86	14.61	15
		1	24	14.39	14.4	14.56	15
		12	0	14.21	14.17	14.23	15
		12	6	14.09	14.07	14.21	15
		12	13	14.23	14.2	14.22	15
		25	0	14.06	14.2	14.26	15
	64QAM	1	0	14.07	14.08	14	15
		1	13	13.62	13.94	13.86	15
		1	24	14.09	14.09	14.04	15
		12	0	13.95	13.87	14.07	15
		12	6	13.77	13.85	13.79	15
		12	13	13.87	13.78	13.76	15
		25	0	13.97	13.9	14.01	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	14.27	14.21	14.03	15
		1	25	14.41	14.47	13.75	15
		1	49	14.02	14.08	14.15	15
		25	0	14.22	14.26	14.14	15
		25	13	14.19	14.08	14.14	15
		25	25	14.17	14.21	14.2	15
		50	0	14.1	14.17	14.14	15
	16QAM	1	0	14.14	15.08	14.48	15
		1	25	13.91	14.57	14.48	15
		1	49	14.5	14.49	14.55	15
		25	0	14.11	14.07	14.09	15
		25	13	14.03	14.12	14.11	15
		25	25	14.15	14.08	14.05	15
		50	0	14.1	14.03	14.11	15
	64QAM	1	0	14.07	14.06	14.01	15
		1	25	13.69	13.95	13.9	15
		1	49	14.1	14.1	14.08	15
		25	0	13.9	13.87	14.09	15
		25	13	13.84	13.84	13.71	15

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		25	25	13.89	13.75	13.79	15
		50	0	14.04	13.88	14.04	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	14.18	14.29	14.13	15
		1	38	14.09	14.02	14.33	15
		1	74	14.06	13.95	14.12	15
		36	0	14.24	14.25	14.21	15
		36	18	14.2	14.22	14.27	15
		36	39	14.22	14.21	14.21	15
		75	0	14.23	14.18	14.09	15
	16QAM	1	0	14.67	14.84	14.57	15
		1	38	14.83	14.64	14.52	15
		1	74	14.64	14.31	14.4	15
		36	0	14.09	14.14	14.13	15
		36	18	14.14	14.16	14.23	15
		36	39	14.18	14.09	14.17	15
		75	0	14.1	14.01	13.99	15
	64QAM	1	0	14.07	14.03	14.03	15
		1	38	13.63	13.97	13.87	15
		1	74	14.13	14.11	14.08	15
		36	0	13.91	13.92	14.04	15
		36	18	13.82	13.86	13.72	15
		36	39	13.88	13.83	13.77	15
		75	0	13.99	13.88	14.01	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	14.4	14.29	14.22	15
		1	50	14.28	13.87	13.51	15
		1	99	14.24	14.25	14.45	15
		50	0	14.24	14.24	14.23	15
		50	25	14.17	14.27	14.13	15
		50	50	14.21	14.1	14.21	15
		100	0	14.24	14.08	14.26	15
	16QAM	1	0	14.62	14.67	14.33	15
		1	50	14.19	14.73	13.86	15
		1	99	14.53	14.39	14.66	15
		50	0	14.19	14.2	14.16	15
		50	25	14.1	14.13	14.16	15
		50	50	14.05	14.09	14.12	15
		100	0	14.23	14.14	14.25	15

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	64QAM	1	0	14.1	14.12	14.02	15
		1	50	13.67	14.01	13.9	15
		1	99	14.05	14.09	14.11	15
		50	0	13.93	13.88	14.04	15
		50	25	13.79	13.85	13.75	15
		50	50	13.85	13.76	13.78	15
		100	0	14.04	13.87	14.07	15

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LTE Band 2 Receiver on(Right head) + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 18607	Channel 18900	Channel 19193	Tune up
1.4MHz	QPSK	1	0	12.24	12.27	12.13	13
		1	2	11.34	12.27	12.2	13
		1	5	12.25	12.05	12.19	13
		3	0	12.26	12.17	11.94	13
		3	2	12.06	12.14	12.45	13
		3	3	11.83	12.25	12.28	13
		6	0	12.05	11.97	12.3	13
	16QAM	1	0	12.84	12.69	12.46	13
		1	2	11.97	11.92	11.61	13
		1	5	12.62	12.55	12.41	13
		3	0	11.84	12.33	11.8	13
		3	2	12.15	12.14	11.83	13
		3	3	11.97	12.15	11.73	13
		6	0	12.32	12.34	12.2	13
	64QAM	1	0	12.06	12.22	12.09	13
		1	2	11.67	12.06	12.07	13
		1	5	12.24	12.17	12.15	13
		3	0	12.03	11.97	12.04	13
		3	2	11.95	12.02	11.71	13
		3	3	12.02	11.84	11.87	13
		6	0	11.96	11.98	12.23	13
Bandwidth	Modulation	RB size	RB offset	Channel 18615	Channel 18900	Channel 19185	Tune up
3MHz	QPSK	1	0	12.09	12.22	12.14	13
		1	7	12.25	11.21	11.63	13
		1	14	12.21	12.05	12.14	13
		8	0	12.23	12.08	12.21	13
		8	4	12.05	11.98	12	13
		8	7	12.02	12.09	12.22	13
		15	0	11.99	12.27	12.22	13
	16QAM	1	0	12.81	12.5	12.17	13
		1	7	11.71	12.11	12.16	13
		1	14	12.4	12.51	12.4	13
		8	0	12.1	12.08	12.07	13
		8	4	12.06	11.88	12.05	13
		8	7	12.13	12.05	12.08	13
		15	0	12.12	12.13	11.88	13
	64QAM	1	0	12.08	12.1	12.05	13
		1	7	11.78	12.06	12.03	13
		1	14	12.19	12.15	12.19	13
		8	0	12.11	11.98	12.19	13

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		8	4	11.9	11.98	11.86	13
		8	7	11.91	11.83	11.84	13
		15	0	12.11	11.96	12.13	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	12.19	12.23	12	13
		1	13	12.06	12.12	12.19	13
		1	24	12.15	12.05	12.27	13
		12	0	12.33	12.21	12.2	13
		12	6	12.12	12.08	12.2	13
		12	13	12.21	12.16	12.18	13
		25	0	12.1	12.16	11.99	13
	16QAM	1	0	12.81	12.42	12.68	13
		1	13	12.58	12.71	12.36	13
		1	24	12.66	11.96	12.15	13
		12	0	12.15	12.18	12.19	13
		12	6	12.26	12.26	12.29	13
		12	13	12.22	12.17	12.26	13
		25	0	12.25	12.12	12.2	13
	64QAM	1	0	12.18	12.09	12.06	13
		1	13	11.79	12.02	12.06	13
		1	24	12.19	12.26	12.18	13
		12	0	12.03	11.9	12.06	13
		12	6	11.84	11.97	11.72	13
		12	13	11.92	11.82	11.72	13
		25	0	12.03	12.09	12.19	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	12.17	12.21	12.2	13
		1	25	11.59	12.07	11.28	13
		1	49	12.16	12.21	12.19	13
		25	0	12.23	12.24	12.21	13
		25	13	12.2	12.15	12.16	13
		25	25	12.19	12.09	12.16	13
		50	0	12.24	12.2	12.14	13
	16QAM	1	0	12.79	12.57	12.55	13
		1	25	11.99	12.01	12.39	13
		1	49	12.89	12.5	12.51	13
		25	0	12.14	12.09	12.15	13
		25	13	12.09	12.21	12.18	13
		25	25	12.08	12.09	12.08	13
		50	0	12.04	12.18	12.11	13
	64QAM	1	0	12.19	12.1	11.98	13
		1	25	11.84	12.16	12.09	13
		1	49	12.14	12.26	12.15	13
		25	0	12.1	11.98	12.2	13
		25	13	11.79	11.91	11.86	13

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		25	25	11.97	11.83	11.8	13
		50	0	12.02	12.06	12.1	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	12.12	12.29	12.21	13
		1	38	12.09	12.17	12.14	13
		1	74	12.08	12.09	11.94	13
		36	0	12.22	12.26	12.15	13
		36	18	12.18	12.19	12.21	13
		36	39	12.13	12.19	12.21	13
		75	0	12.28	12.27	12.21	13
	16QAM	1	0	12.45	12.43	12.61	13
		1	38	12.7	12.77	12.49	13
		1	74	12.6	12.55	12.48	13
		36	0	12.18	12.22	12.18	13
		36	18	12.12	12.16	12.07	13
		36	39	12.09	12.17	11.98	13
		75	0	12.01	12.2	12.13	13
	64QAM	1	0	12.1	12.09	12.12	13
		1	38	11.79	12.08	12.01	13
		1	74	12.08	12.21	12.05	13
		36	0	12.09	11.88	12.04	13
		36	18	11.88	12.04	11.84	13
		36	39	12.02	11.79	11.82	13
		75	0	11.98	12.07	12.21	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	12.28	12.34	12.37	13
		1	50	12.58	11.97	11.76	13
		1	99	12.19	12.07	12.27	13
		50	0	12.16	12.13	12.13	13
		50	25	12.11	12.14	12.11	13
		50	50	12.13	12.24	12.24	13
		100	0	12.18	12.2	12.23	13
	16QAM	1	0	12.77	12.84	12.71	13
		1	50	12.34	12.19	12.07	13
		1	99	12.64	12.26	12.51	13
		50	0	12.09	12.21	12.2	13
		50	25	12.16	12.15	12.1	13
		50	50	12.11	12.03	11.99	13
		100	0	12.12	12.16	12.02	13

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	64QAM	1	0	12.13	12.22	12.1	13
		1	50	11.69	12.15	11.99	13
		1	99	12.22	12.14	12.21	13
		50	0	11.94	12.04	12.02	13
		50	25	11.84	12.02	11.87	13
		50	50	11.91	11.88	11.82	13
		100	0	12.02	12	12.15	13

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LTE Band 2 Receiver off + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	17.64	17.72	17.78	18.5
		1	2	17.64	17.79	18.02	18.5
		1	5	17.67	17.64	17.78	18.5
		3	0	17.68	17.75	17.61	18.5
		3	2	17.51	17.46	17.44	18.5
		3	3	17.67	17.77	17.65	18.5
		6	0	17.58	17.62	17.65	18.5
	16QAM	1	0	18.22	18	17.93	18.5
		1	2	18.06	18.03	18.04	18.5
		1	5	18.1	18.25	18.04	18.5
		3	0	17.95	17.69	17.8	18.5
		3	2	17.74	17.45	17.43	18.5
		3	3	17.95	17.83	17.48	18.5
		6	0	17.54	17.51	17.41	18.5
	64QAM	1	0	17.55	17.64	17.52	18.5
		1	2	17.17	17.65	17.45	18.5
		1	5	17.68	17.59	17.68	18.5
		3	0	17.41	17.48	17.45	18.5
		3	2	17.26	17.47	17.29	18.5
		3	3	17.4	17.29	17.25	18.5
		6	0	17.47	17.46	17.63	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	17.76	17.69	17.74	18.5
		1	7	17.62	16.95	15.86	18.5
		1	14	17.7	17.77	17.6	18.5
		8	0	17.61	17.7	17.52	18.5
		8	4	17.67	17.61	17.65	18.5
		8	7	17.75	17.68	17.7	18.5
		15	0	17.75	17.62	17.64	18.5
	16QAM	1	0	17.74	17.52	17.93	18.5
		1	7	17.79	17.76	17.2	18.5
		1	14	17.89	18.11	18.37	18.5
		8	0	17.55	17.59	17.61	18.5
		8	4	17.45	17.62	17.64	18.5
		8	7	17.45	17.78	17.48	18.5
		15	0	17.67	17.61	17.68	18.5
	64QAM	1	0	17.6	17.63	17.58	18.5
		1	7	17.17	17.62	17.48	18.5
		1	14	17.65	17.63	17.7	18.5
		8	0	17.36	17.47	17.43	18.5

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		8	4	17.31	17.51	17.34	18.5
		8	7	17.32	17.29	17.24	18.5
		15	0	17.44	17.4	17.63	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	17.77	17.66	17.75	18.5
		1	13	17.71	17.77	17.64	18.5
		1	24	17.7	17.74	17.67	18.5
		12	0	17.78	17.73	17.79	18.5
		12	6	17.78	17.58	17.43	18.5
		12	13	17.75	17.71	17.76	18.5
		25	0	17.85	17.65	17.75	18.5
	16QAM	1	0	17.59	18	18.06	18.5
		1	13	18.01	18.01	17.95	18.5
		1	24	17.57	17.78	18.03	18.5
		12	0	17.73	17.73	17.78	18.5
		12	6	17.37	17.7	17.8	18.5
		12	13	17.69	17.67	17.74	18.5
		25	0	17.79	17.62	17.56	18.5
	64QAM	1	0	17.62	17.68	17.59	18.5
		1	13	17.11	17.56	17.4	18.5
		1	24	17.69	17.56	17.64	18.5
		12	0	17.43	17.51	17.43	18.5
		12	6	17.34	17.46	17.3	18.5
		12	13	17.36	17.37	17.3	18.5
		25	0	17.49	17.49	17.57	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	17.78	17.75	17.68	18.5
		1	25	17.13	17.09	17.47	18.5
		1	49	17.49	17.7	17.74	18.5
		25	0	17.68	17.69	17.77	18.5
		25	13	17.66	17.72	17.7	18.5
		25	25	17.76	17.64	17.63	18.5
		50	0	17.7	17.65	17.68	18.5
	16QAM	1	0	17.84	18.19	17.96	18.5
		1	25	17.72	18.46	17.93	18.5
		1	49	17.97	18.23	18.02	18.5
		25	0	17.64	17.72	17.68	18.5
		25	13	17.47	17.66	17.62	18.5
		25	25	17.68	17.57	17.58	18.5
		50	0	17.59	17.54	17.68	18.5
	64QAM	1	0	17.55	17.67	17.55	18.5
		1	25	17.12	17.55	17.42	18.5
		1	49	17.71	17.55	17.66	18.5
		25	0	17.43	17.51	17.45	18.5
		25	13	17.25	17.42	17.33	18.5

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		25	25	17.34	17.31	17.28	18.5
		50	0	17.44	17.45	17.56	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	17.62	17.74	17.73	18.5
		1	38	17.76	17.69	17.73	18.5
		1	74	17.52	17.58	17.67	18.5
		36	0	17.68	17.73	17.77	18.5
		36	18	17.77	17.7	17.77	18.5
		36	39	17.71	17.69	17.7	18.5
		75	0	17.69	17.69	17.69	18.5
	16QAM	1	0	17.8	17.6	17.82	18.5
		1	38	18.25	17.98	18.23	18.5
		1	74	17.82	17.85	17.99	18.5
		36	0	17.71	17.69	17.67	18.5
		36	18	17.6	17.73	17.66	18.5
		36	39	17.57	17.59	17.63	18.5
		75	0	17.66	17.75	17.64	18.5
	64QAM	1	0	17.59	17.65	17.56	18.5
		1	38	17.1	17.55	17.46	18.5
		1	74	17.68	17.63	17.69	18.5
		36	0	17.43	17.46	17.51	18.5
		36	18	17.27	17.46	17.29	18.5
		36	39	17.4	17.3	17.32	18.5
		75	0	17.48	17.5	17.58	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	17.85	17.91	17.78	18.5
		1	50	17.27	17.13	17.16	18.5
		1	99	17.79	17.74	17.73	18.5
		50	0	17.78	17.71	17.76	18.5
		50	25	17.63	17.73	17.6	18.5
		50	50	17.72	17.72	17.76	18.5
		100	0	17.73	17.76	17.79	18.5
	16QAM	1	0	17.9	18.13	18.19	18.5
		1	50	17.84	17.62	16.83	18.5
		1	99	18.06	18.03	18.01	18.5
		50	0	17.72	17.79	17.76	18.5
		50	25	17.59	17.64	17.71	18.5
		50	50	17.67	17.73	17.71	18.5
		100	0	17.7	17.7	17.64	18.5

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	64QAM	1	0	17.59	17.71	17.53	18.5
		1	50	17.17	17.63	17.44	18.5
		1	99	17.63	17.61	17.68	18.5
		50	0	17.4	17.53	17.43	18.5
		50	25	17.25	17.44	17.3	18.5
		50	50	17.33	17.37	17.23	18.5
		100	0	17.46	17.47	17.62	18.5

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LTE Band 4 Receiver on(Left head)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	20.35	20.24	20.16	20.5
		1	2	19.99	19.9	19.86	20.5
		1	5	20.35	20.27	20.15	20.5
		3	0	20.34	20.19	20.14	20.5
		3	2	20.23	20.05	19.99	20.5
		3	3	20.33	20.2	19.98	20.5
		6	0	20.31	20.29	20.14	20.5
	16QAM	1	0	20.43	20.44	20.45	20.5
		1	2	20.23	20.29	20.25	20.5
		1	5	20.37	20.38	20.31	20.5
		3	0	20.3	20.3	20.24	20.5
		3	2	20.21	20.22	19.92	20.5
		3	3	20.38	20.29	20.17	20.5
		6	0	20.3	20.29	20.09	20.5
	64QAM	1	0	20.33	20.3	20.14	20.5
		1	2	20.01	19.92	20.02	20.5
		1	5	20.32	20.34	20.29	20.5
		3	0	20.39	20.22	20.17	20.5
		3	2	20.03	19.87	19.95	20.5
		3	3	20.31	20.39	20.34	20.5
		6	0	20.14	20.2	20.09	20.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	20.38	20.3	20.22	20.5
		1	7	19.85	20.03	19.9	20.5
		1	14	20.34	20.28	20.2	20.5
		8	0	20.31	20.28	20.17	20.5
		8	4	20.19	20.29	20.21	20.5
		8	7	20.32	20.28	20.15	20.5
		15	0	20.37	20.29	20.25	20.5
	16QAM	1	0	20.39	20.37	20.35	20.5
		1	7	19.87	20.11	19.93	20.5
		1	14	20.31	20.28	20.49	20.5
		8	0	20.37	20.28	20.2	20.5
		8	4	20.3	20.25	20.05	20.5
		8	7	20.3	20.27	20.04	20.5
		15	0	20.31	20.24	20.17	20.5
	64QAM	1	0	20.43	20.3	20.18	20.5
		1	7	19.97	19.91	20.04	20.5
		1	14	20.29	20.38	20.27	20.5
		8	0	20.39	20.26	20.07	20.5

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		8	4	20.06	19.93	19.99	20.5
		8	7	20.32	20.35	20.26	20.5
		15	0	20.09	20.13	20.05	20.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	20.4	20.26	20.23	20.5
		1	13	20.34	20.24	20.22	20.5
		1	24	20.36	20.24	20.17	20.5
		12	0	20.41	20.29	20.26	20.5
		12	6	20.34	20.27	20.22	20.5
		12	13	20.35	20.31	20.25	20.5
		25	0	20.36	20.33	20.23	20.5
	16QAM	1	0	20.41	20.36	20.36	20.5
		1	13	20.34	20.36	20.35	20.5
		1	24	20.38	20.3	20.33	20.5
		12	0	20.38	20.29	20.27	20.5
		12	6	20.32	20.25	20.29	20.5
		12	13	20.31	20.31	20.19	20.5
		25	0	20.29	20.25	20.16	20.5
	64QAM	1	0	20.43	20.22	20.14	20.5
		1	13	20.02	19.87	20	20.5
		1	24	20.4	20.43	20.28	20.5
		12	0	20.38	20.22	20.13	20.5
		12	6	20.05	19.92	20.04	20.5
		12	13	20.28	20.3	20.29	20.5
		25	0	20.1	20.19	20.03	20.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	20.38	20.29	20.27	20.5
		1	25	19.84	20.19	19.96	20.5
		1	49	20.24	20.23	20.18	20.5
		25	0	20.38	20.31	20.29	20.5
		25	13	20.3	20.3	20.25	20.5
		25	25	20.35	20.27	20.24	20.5
		50	0	20.33	20.27	20.23	20.5
	16QAM	1	0	20.4	20.34	20.35	20.5
		1	25	20.33	20.32	20.36	20.5
		1	49	20.35	20.43	20.4	20.5
		25	0	20.31	20.24	20.21	20.5
		25	13	20.24	20.21	20.17	20.5
		25	25	20.26	20.2	20.14	20.5
		50	0	20.24	20.18	20.18	20.5
	64QAM	1	0	20.33	20.29	20.13	20.5
		1	25	19.99	19.84	20.07	20.5
		1	49	20.38	20.38	20.28	20.5
		25	0	20.36	20.18	20.1	20.5
		25	13	20.04	19.88	19.95	20.5

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		25	25	20.26	20.29	20.28	20.5
		50	0	20.16	20.18	20.08	20.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	20.33	20.25	20.21	20.5
		1	38	20.35	20.34	20.26	20.5
		1	74	20.27	20.18	20.11	20.5
		36	0	20.43	20.34	20.29	20.5
		36	18	20.35	20.3	20.29	20.5
		36	39	20.31	20.3	20.21	20.5
		75	0	20.34	20.28	20.3	20.5
	16QAM	1	0	20.37	20.35	20.36	20.5
		1	38	20.35	20.33	20.32	20.5
		1	74	20.31	20.39	20.4	20.5
		36	0	20.35	20.3	20.21	20.5
		36	18	20.26	20.18	20.22	20.5
		36	39	20.27	20.21	20.2	20.5
		75	0	20.3	20.18	20.17	20.5
	64QAM	1	0	20.39	20.2	20.12	20.5
		1	38	20	19.91	20.03	20.5
		1	74	20.33	20.41	20.27	20.5
		36	0	20.3	20.25	20.07	20.5
		36	18	20.07	19.9	20.06	20.5
		36	39	20.25	20.32	20.28	20.5
		75	0	20.1	20.13	20.07	20.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	20.47	20.46	20.41	20.5
		1	50	20.21	20.46	20.1	20.5
		1	99	20.4	20.35	20.37	20.5
		50	0	20.44	20.44	20.45	20.5
		50	25	20.47	20.43	20.45	20.5
		50	50	20.42	20.43	20.44	20.5
		100	0	20.46	20.46	20.47	20.5
	16QAM	1	0	20.42	20.37	20.36	20.5
		1	50	20.31	20.34	20.35	20.5
		1	99	20.34	20.32	20.32	20.5
		50	0	20.47	20.47	20.4	20.5
		50	25	20.4	20.38	20.37	20.5
		50	50	20.41	20.38	20.36	20.5
		100	0	20.47	20.4	20.4	20.5

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	64QAM	1	0	20.39	20.21	20.19	20.5
		1	50	20	19.89	20.02	20.5
		1	99	20.35	20.34	20.32	20.5
		50	0	20.38	20.21	20.15	20.5
		50	25	20.03	19.86	20.01	20.5
		50	50	20.33	20.39	20.33	20.5
		100	0	20.13	20.14	20.12	20.5

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LTE Band 4 Receiver on(Right head)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	17.84	17.8	17.73	18
		1	2	17.51	17.66	17.62	18
		1	5	17.88	17.79	17.7	18
		3	0	17.82	17.73	17.64	18
		3	2	17.72	17.5	17.55	18
		3	3	17.74	17.71	17.62	18
		6	0	17.85	17.73	17.69	18
	16QAM	1	0	17.82	17.79	17.79	18
		1	2	17.98	17.87	17.8	18
		1	5	17.84	17.68	17.75	18
		3	0	17.85	17.72	17.75	18
		3	2	17.68	17.56	17.55	18
		3	3	17.79	17.82	17.65	18
		6	0	17.89	17.7	17.61	18
	64QAM	1	0	17.93	17.81	17.71	18
		1	2	17.58	17.44	17.59	18
		1	5	17.91	17.95	17.87	18
		3	0	17.9	17.79	17.69	18
		3	2	17.59	17.44	17.56	18
		3	3	17.85	17.9	17.87	18
		6	0	17.7	17.74	17.62	18
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	17.87	17.76	17.72	18
		1	7	17.46	17.43	17.44	18
		1	14	17.83	17.75	17.72	18
		8	0	17.87	17.8	17.7	18
		8	4	17.8	17.75	17.66	18
		8	7	17.88	17.7	17.63	18
		15	0	17.86	17.82	17.73	18
	16QAM	1	0	17.85	17.74	17.69	18
		1	7	17.51	17.47	17.52	18
		1	14	17.81	17.77	17.74	18
		8	0	17.87	17.74	17.73	18
		8	4	17.81	17.71	17.63	18
		8	7	17.8	17.71	17.69	18
		15	0	17.89	17.74	17.68	18
	64QAM	1	0	17.93	17.81	17.71	18
		1	7	17.58	17.44	17.59	18
		1	14	17.91	17.95	17.87	18
		8	0	17.9	17.79	17.69	18

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		8	4	17.59	17.44	17.56	18
		8	7	17.85	17.9	17.87	18
		15	0	17.7	17.74	17.62	18
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	17.91	17.77	17.74	18
		1	13	17.85	17.77	17.68	18
		1	24	17.8	17.65	17.65	18
		12	0	17.88	17.81	17.78	18
		12	6	17.82	17.77	17.69	18
		12	13	17.83	17.8	17.75	18
		25	0	17.82	17.79	17.72	18
	16QAM	1	0	17.88	17.84	17.83	18
		1	13	17.82	17.74	17.96	18
		1	24	17.78	17.79	17.7	18
		12	0	17.87	17.74	17.81	18
		12	6	17.79	17.77	17.63	18
		12	13	17.82	17.71	17.77	18
		25	0	17.79	17.73	17.66	18
	64QAM	1	0	17.93	17.81	17.71	18
		1	13	17.58	17.44	17.59	18
		1	24	17.91	17.95	17.87	18
		12	0	17.9	17.79	17.69	18
		12	6	17.59	17.44	17.56	18
		12	13	17.85	17.9	17.87	18
		25	0	17.7	17.74	17.62	18
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	17.87	17.77	17.77	18
		1	25	17.55	17.65	17.47	18
		1	49	17.76	17.71	17.65	18
		25	0	17.87	17.8	17.8	18
		25	13	17.81	17.79	17.75	18
		25	25	17.84	17.75	17.71	18
		50	0	17.82	17.74	17.71	18
	16QAM	1	0	17.91	17.89	17.85	18
		1	25	17.44	17.66	17.49	18
		1	49	17.74	17.69	17.61	18
		25	0	17.78	17.71	17.7	18
		25	13	17.74	17.76	17.69	18
		25	25	17.75	17.68	17.65	18
		50	0	17.73	17.68	17.65	18
	64QAM	1	0	17.93	17.81	17.71	18
		1	25	17.58	17.44	17.59	18
		1	49	17.91	17.95	17.87	18
		25	0	17.9	17.79	17.69	18
		25	13	17.59	17.44	17.56	18

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		25	25	17.85	17.9	17.87	18
		50	0	17.7	17.74	17.62	18
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	17.79	17.77	17.68	18
		1	38	17.84	17.76	17.76	18
		1	74	17.68	17.65	17.6	18
		36	0	17.86	17.84	17.81	18
		36	18	17.82	17.77	17.79	18
		36	39	17.84	17.74	17.74	18
		75	0	17.83	17.77	17.73	18
	16QAM	1	0	17.84	17.86	17.85	18
		1	38	17.81	17.88	17.95	18
		1	74	17.72	17.88	17.84	18
		36	0	17.84	17.79	17.77	18
		36	18	17.78	17.69	17.72	18
		36	39	17.78	17.71	17.71	18
		75	0	17.79	17.68	17.66	18
	64QAM	1	0	17.93	17.81	17.71	18
		1	38	17.58	17.44	17.59	18
		1	74	17.91	17.95	17.87	18
		36	0	17.9	17.79	17.69	18
		36	18	17.59	17.44	17.56	18
		36	39	17.85	17.9	17.87	18
		75	0	17.7	17.74	17.62	18
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	17.96	17.92	17.93	18
		1	50	17.53	17.4	17.35	18
		1	99	17.93	17.9	17.83	18
		50	0	17.94	17.92	17.96	18
		50	25	17.98	17.92	17.94	18
		50	50	17.94	17.93	17.91	18
		100	0	17.94	17.89	17.98	18
	16QAM	1	0	17.91	17.94	17.95	18
		1	50	17.72	17.74	17.68	18
		1	99	17.86	17.88	17.91	18
		50	0	17.92	17.95	17.89	18
		50	25	17.93	17.88	17.89	18
		50	50	17.88	17.83	17.86	18
		100	0	17.92	17.9	17.9	18

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	64QAM	1	0	17.93	17.81	17.71	18
		1	50	17.58	17.44	17.59	18
		1	99	17.91	17.95	17.87	18
		50	0	17.9	17.79	17.69	18
		50	25	17.59	17.44	17.56	18
		50	50	17.85	17.9	17.87	18
		100	0	17.7	17.74	17.62	18

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LTE Band 4 Receiver off (Full Power)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	21.41	21.35	21.32	21.5
		1	2	20.91	20.88	21.04	21.5
		1	5	21.45	21.38	21.35	21.5
		3	0	21.28	21.15	21.24	21.5
		3	2	21.02	21.31	21.37	21.5
		3	3	21.36	21.34	21.17	21.5
		6	0	21.4	21.35	21.19	21.5
	16QAM	1	0	21.3	21.35	21.29	21.5
		1	2	21.14	21.14	21.19	21.5
		1	5	21.35	21.37	21.39	21.5
		3	0	21.35	21.47	21.33	21.5
		3	2	21.27	21.18	21.26	21.5
		3	3	21.44	21.33	21.24	21.5
		6	0	21.36	21.43	21.19	21.5
	64QAM	1	0	21.32	21.25	21.2	21.5
		1	2	21.03	20.95	21.04	21.5
		1	5	21.41	21.43	21.34	21.5
		3	0	21.29	21.21	21.15	21.5
		3	2	21	20.89	20.97	21.5
		3	3	21.35	21.41	21.31	21.5
		6	0	20.72	20.76	20.63	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	21.49	21.4	21.31	21.5
		1	7	20.81	20.9	21.03	21.5
		1	14	21.43	21.4	21.33	21.5
		8	0	21.47	21.46	21.32	21.5
		8	4	21.33	21.37	21.31	21.5
		8	7	21.47	21.35	21.27	21.5
		15	0	21.48	21.4	21.34	21.5
	16QAM	1	0	21.31	21.36	21.37	21.5
		1	7	21.44	21.35	21.44	21.5
		1	14	21.08	21.03	21.07	21.5
		8	0	21.48	21.33	21.3	21.5
		8	4	21.38	21.35	21.17	21.5
		8	7	21.41	21.35	21.31	21.5
		15	0	21.44	21.39	21.33	21.5
	64QAM	1	0	21.32	21.36	21.21	21.5
		1	7	21.08	20.99	21.01	21.5
		1	14	21.37	21.34	21.27	21.5
		8	0	20.79	20.78	20.6	21

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		8	4	20.68	20.63	20.7	21
		8	7	20.79	20.78	20.66	21
		15	0	20.72	20.72	20.65	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	21.47	21.39	21.38	21.5
		1	13	21.42	21.38	21.28	21.5
		1	24	21.36	21.4	21.32	21.5
		12	0	21.44	21.47	21.39	21.5
		12	6	21.45	21.38	21.29	21.5
		12	13	21.44	21.44	21.37	21.5
		25	0	21.44	21.42	21.31	21.5
	16QAM	1	0	21.43	21.39	21.4	21.5
		1	13	21.24	21.26	21.21	21.5
		1	24	21.3	21.25	21.27	21.5
		12	0	21.49	21.42	21.39	21.5
		12	6	21.45	21.43	21.23	21.5
		12	13	21.43	21.38	21.35	21.5
		25	0	21.43	21.36	21.29	21.5
	64QAM	1	0	21.33	21.27	21.26	21.5
		1	13	21.1	20.99	21.04	21.5
		1	24	21.39	21.39	21.38	21.5
		12	0	20.88	20.71	20.7	21
		12	6	20.76	20.68	20.56	21
		12	13	20.69	20.7	20.68	21
		25	0	20.7	20.75	20.74	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	21.46	21.48	21.44	21.5
		1	25	21.34	21.28	21.13	21.5
		1	49	21.41	21.38	21.28	21.5
		25	0	21.49	21.47	21.42	21.5
		25	13	21.44	21.45	21.37	21.5
		25	25	21.49	21.4	21.35	21.5
		50	0	21.46	21.41	21.39	21.5
	16QAM	1	0	21.41	21.42	21.34	21.5
		1	25	21.31	21.26	21.37	21.5
		1	49	21.36	21.3	21.32	21.5
		25	0	21.42	21.35	21.31	21.5
		25	13	21.38	21.42	21.34	21.5
		25	25	21.44	21.33	21.29	21.5
		50	0	21.39	21.36	21.32	21.5
	64QAM	1	0	21.38	21.31	21.21	21.5
		1	25	21.02	20.99	21.1	21.5
		1	49	21.35	21.4	21.27	21.5
		25	0	20.75	20.79	20.69	21
		25	13	20.8	20.66	20.65	21

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		25	25	20.75	20.7	20.59	21
		50	0	20.82	20.66	20.75	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	21.45	21.47	21.41	21.5
		1	38	21.44	21.43	21.46	21.5
		1	74	21.4	21.34	21.35	21.5
		36	0	21.39	21.4	21.48	21.5
		36	18	21.42	21.43	21.46	21.5
		36	39	21.46	21.46	21.42	21.5
		75	0	21.46	21.43	21.44	21.5
	16QAM	1	0	21.42	21.44	21.4	21.5
		1	38	21.39	21.45	21.42	21.5
		1	74	21.31	21.33	21.34	21.5
		36	0	21.44	21.44	21.4	21.5
		36	18	21.46	21.41	21.42	21.5
		36	39	21.48	21.43	21.36	21.5
		75	0	21.49	21.4	21.35	21.5
	64QAM	1	0	21.37	21.35	21.25	21.5
		1	38	21.13	20.95	21.11	21.5
		1	74	21.4	21.42	21.36	21.5
		36	0	20.76	20.73	20.66	21
		36	18	20.72	20.75	20.63	21
		36	39	20.76	20.69	20.67	21
		75	0	20.71	20.69	20.71	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	21.42	21.36	21.3	21.5
		1	50	21.08	21.04	21.03	21.5
		1	99	21.46	21.44	21.42	21.5
		50	0	21.48	21.47	21.46	21.5
		50	25	21.41	21.43	21.45	21.5
		50	50	21.46	21.45	21.42	21.5
		100	0	21.43	21.42	21.47	21.5
	16QAM	1	0	21.42	21.38	21.39	21.5
		1	50	21.37	21.32	21.42	21.5
		1	99	21.35	21.36	21.34	21.5
		50	0	21.49	21.43	21.41	21.5
		50	25	21.43	21.38	21.35	21.5
		50	50	21.42	21.33	21.37	21.5
		100	0	21.43	21.38	21.38	21.5

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	64QAM	1	0	21.45	21.37	21.3	21.5
		1	50	21.16	21.02	21.12	21.5
		1	99	21.44	21.45	21.42	21.5
		50	0	20.88	20.8	20.72	21
		50	25	20.81	20.76	20.71	21
		50	50	20.81	20.79	20.72	21
		100	0	20.84	20.77	20.75	21

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LTE Band 4 Receiver off + hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	18.4	18.29	18.27	18.5
		1	2	18.12	18.02	17.76	18.5
		1	5	18.36	18.32	18.22	18.5
		3	0	18.33	18.29	18.16	18.5
		3	2	18.19	18.29	18.09	18.5
		3	3	18.17	18.18	18.18	18.5
		6	0	18.36	18.29	18.07	18.5
	16QAM	1	0	18.39	18.38	18.32	18.5
		1	2	18.39	18.38	18.25	18.5
		1	5	18.37	18.39	18.33	18.5
		3	0	18.36	18.31	18.22	18.5
		3	2	18.2	18	18.1	18.5
		3	3	18.37	18.2	18.17	18.5
		6	0	18.4	18.21	18.19	18.5
	64QAM	1	0	18.37	18.25	18.17	18.5
		1	2	18.06	17.93	18.04	18.5
		1	5	18.31	18.38	18.33	18.5
		3	0	18.31	18.19	18.13	18.5
		3	2	18.08	17.87	17.96	18.5
		3	3	18.24	18.33	18.29	18.5
		6	0	18.18	18.22	18.08	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	18.37	18.27	18.25	18.5
		1	7	17.85	17.89	17.92	18.5
		1	14	18.34	18.25	18.19	18.5
		8	0	18.35	18.28	18.16	18.5
		8	4	18.24	18.2	18.2	18.5
		8	7	18.33	18.27	18.19	18.5
		15	0	18.38	18.31	18.24	18.5
	16QAM	1	0	18.35	18.31	18.29	18.5
		1	7	18.12	18.19	18.14	18.5
		1	14	18.37	18.39	18.34	18.5
		8	0	18.38	18.28	18.26	18.5
		8	4	18.23	18.23	18.08	18.5
		8	7	18.25	18.29	18.17	18.5
		15	0	18.34	18.27	18.17	18.5
	64QAM	1	0	18.36	18.29	18.17	18.5
		1	7	17.99	17.91	18.06	18.5
		1	14	18.35	18.34	18.25	18.5
		8	0	18.29	18.17	18.13	18.5

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		8	4	18.04	17.87	18.06	18.5
		8	7	18.34	18.36	18.34	18.5
		15	0	18.09	18.17	18.1	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	18.36	18.27	18.25	18.5
		1	13	18.36	18.34	18.22	18.5
		1	24	18.29	18.21	18.18	18.5
		12	0	18.42	18.3	18.27	18.5
		12	6	18.3	18.27	18.24	18.5
		12	13	18.38	18.26	18.29	18.5
		25	0	18.35	18.3	18.23	18.5
	16QAM	1	0	18.3	18.34	18.37	18.5
		1	13	18.44	18.4	18.42	18.5
		1	24	18.42	18.42	18.43	18.5
		12	0	18.39	18.29	18.24	18.5
		12	6	18.33	18.27	18.22	18.5
		12	13	18.34	18.29	18.22	18.5
		25	0	18.31	18.23	18.17	18.5
	64QAM	1	0	18.39	18.21	18.12	18.5
		1	13	18	17.82	17.98	18.5
		1	24	18.41	18.34	18.31	18.5
		12	0	18.28	18.21	18.16	18.5
		12	6	18.08	17.91	18.04	18.5
		12	13	18.28	18.3	18.35	18.5
		25	0	18.18	18.21	18.02	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	18.33	18.29	18.27	18.5
		1	25	18.1	18.07	18.05	18.5
		1	49	18.28	18.2	18.15	18.5
		25	0	18.36	18.3	18.3	18.5
		25	13	18.31	18.27	18.23	18.5
		25	25	18.31	18.23	18.23	18.5
		50	0	18.32	18.24	18.25	18.5
	16QAM	1	0	18.39	18.38	18.34	18.5
		1	25	18.41	18.27	18.43	18.5
		1	49	18.35	18.42	18.48	18.5
		25	0	18.31	18.22	18.22	18.5
		25	13	18.26	18.26	18.15	18.5
		25	25	18.27	18.23	18.15	18.5
		50	0	18.27	18.17	18.16	18.5
	64QAM	1	0	18.35	18.28	18.19	18.5
		1	25	18.02	17.86	18	18.5
		1	49	18.36	18.41	18.26	18.5
		25	0	18.31	18.26	18.15	18.5
		25	13	18	17.83	17.99	18.5

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		25	25	18.24	18.33	18.25	18.5
		50	0	18.11	18.15	18.08	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	18.31	18.3	18.24	18.5
		1	38	18.35	18.37	18.25	18.5
		1	74	18.23	18.14	18.14	18.5
		36	0	18.33	18.3	18.28	18.5
		36	18	18.34	18.27	18.25	18.5
		36	39	18.39	18.32	18.24	18.5
		75	0	18.35	18.28	18.32	18.5
	16QAM	1	0	18.3	18.38	18.34	18.5
		1	38	18.34	18.36	18.38	18.5
		1	74	18.38	18.42	18.47	18.5
		36	0	18.35	18.29	18.24	18.5
		36	18	18.29	18.25	18.25	18.5
		36	39	18.29	18.25	18.19	18.5
		75	0	18.28	18.19	18.18	18.5
	64QAM	1	0	18.43	18.26	18.12	18.5
		1	38	17.98	17.87	18.01	18.5
		1	74	18.39	18.42	18.27	18.5
		36	0	18.4	18.26	18.17	18.5
		36	18	17.98	17.9	17.97	18.5
		36	39	18.23	18.37	18.31	18.5
		75	0	18.09	18.12	18.11	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	18.47	18.4	18.42	18.5
		1	50	18.27	18.21	18.19	18.5
		1	99	18.44	18.38	18.36	18.5
		50	0	18.42	18.41	18.48	18.5
		50	25	18.49	18.41	18.41	18.5
		50	50	18.43	18.43	18.4	18.5
		100	0	18.42	18.45	18.41	18.5
	16QAM	1	0	18.42	18.4	18.41	18.5
		1	50	18.36	18.37	18.36	18.5
		1	99	18.4	18.35	18.44	18.5
		50	0	18.46	18.47	18.41	18.5
		50	25	18.45	18.36	18.35	18.5
		50	50	18.38	18.34	18.34	18.5
		100	0	18.43	18.39	18.36	18.5

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	64QAM	1	0	18.42	18.28	18.15	18.5
		1	50	17.99	17.85	18.09	18.5
		1	99	18.33	18.4	18.36	18.5
		50	0	18.39	18.29	18.18	18.5
		50	25	18.01	17.87	18.01	18.5
		50	50	18.25	18.32	18.37	18.5
		100	0	18.13	18.18	18.1	18.5

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LTE Band 4 Receiver off + hotspot 5G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	16.39	16.25	16.22	16.5
		1	2	16.33	16.07	16.07	16.5
		1	5	16.41	16.31	16.2	16.5
		3	0	16.36	16.13	16.16	16.5
		3	2	16.34	16.18	16.14	16.5
		3	3	16.19	16.26	16.12	16.5
		6	0	16.37	16.26	16.19	16.5
	16QAM	1	0	16.39	16.37	16.32	16.5
		1	2	16.28	16.47	16.45	16.5
		1	5	16.32	16.34	16.37	16.5
		3	0	16.32	16.33	16.28	16.5
		3	2	16.18	16.15	16.04	16.5
		3	3	16.24	16.29	16.17	16.5
		6	0	16.24	16.27	16.03	16.5
	64QAM	1	0	16.33	16.19	16.12	16.5
		1	2	16.05	15.9	16.02	16.5
		1	5	16.26	16.32	16.27	16.5
		3	0	16.3	16.12	16.04	16.5
		3	2	16	15.84	15.89	16.5
		3	3	16.18	16.31	16.27	16.5
		6	0	16.17	16.15	16.05	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	16.4	16.27	16.31	16.5
		1	7	15.86	16.01	15.87	16.5
		1	14	16.32	16.3	16.21	16.5
		8	0	16.32	16.22	16.14	16.5
		8	4	16.33	16.26	16.11	16.5
		8	7	16.31	16.22	16.1	16.5
		15	0	16.36	16.33	16.24	16.5
	16QAM	1	0	16.31	16.38	16.39	16.5
		1	7	16.17	15.85	16.05	16.5
		1	14	16.34	16.32	16.3	16.5
		8	0	16.36	16.25	16.19	16.5
		8	4	16.28	16.13	16.14	16.5
		8	7	16.29	16.2	16.13	16.5
		15	0	16.36	16.31	16.17	16.5
	64QAM	1	0	16.28	16.23	16.11	16.5
		1	7	15.99	15.93	15.97	16.5
		1	14	16.24	16.36	16.32	16.5
		8	0	16.24	16.13	16.11	16.5

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		8	4	16.02	15.79	15.95	16.5
		8	7	16.19	16.29	16.23	16.5
		15	0	16.16	16.15	16.01	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	16.41	16.29	16.25	16.5
		1	13	16.39	16.28	16.25	16.5
		1	24	16.37	16.25	16.22	16.5
		12	0	16.41	16.36	16.33	16.5
		12	6	16.32	16.27	16.23	16.5
		12	13	16.36	16.3	16.27	16.5
		25	0	16.38	16.3	16.23	16.5
	16QAM	1	0	16.41	16.46	16.3	16.5
		1	13	16.45	16.41	16.36	16.5
		1	24	16.38	16.31	16.34	16.5
		12	0	16.4	16.28	16.29	16.5
		12	6	16.26	16.27	16.16	16.5
		12	13	16.36	16.33	16.24	16.5
		25	0	16.3	16.21	16.16	16.5
	64QAM	1	0	16.32	16.23	16.16	16.5
		1	13	15.97	15.85	15.97	16.5
		1	24	16.22	16.33	16.3	16.5
		12	0	16.25	16.18	16.08	16.5
		12	6	16.04	15.79	15.91	16.5
		12	13	16.23	16.25	16.25	16.5
		25	0	16.11	16.2	16.02	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	16.39	16.25	16.26	16.5
		1	25	16.07	15.99	15.9	16.5
		1	49	16.32	16.26	16.22	16.5
		25	0	16.39	16.32	16.3	16.5
		25	13	16.31	16.28	16.25	16.5
		25	25	16.31	16.25	16.24	16.5
		50	0	16.36	16.26	16.25	16.5
	16QAM	1	0	16.41	16.32	16.34	16.5
		1	25	16.26	16.24	16.16	16.5
		1	49	16.39	16.31	16.38	16.5
		25	0	16.34	16.25	16.24	16.5
		25	13	16.29	16.24	16.14	16.5
		25	25	16.3	16.17	16.15	16.5
		50	0	16.29	16.19	16.19	16.5
	64QAM	1	0	16.28	16.24	16.1	16.5
		1	25	16	15.92	15.97	16.5
		1	49	16.26	16.31	16.24	16.5
		25	0	16.26	16.18	16.11	16.5
		25	13	16.05	15.81	15.93	16.5

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		25	25	16.19	16.32	16.26	16.5
		50	0	16.13	16.16	16.02	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	16.39	16.32	16.27	16.5
		1	38	16.32	16.34	16.32	16.5
		1	74	16.22	16.15	16.15	16.5
		36	0	16.4	16.32	16.34	16.5
		36	18	16.31	16.29	16.29	16.5
		36	39	16.37	16.33	16.3	16.5
		75	0	16.35	16.29	16.28	16.5
	16QAM	1	0	16.32	16.36	16.38	16.5
		1	38	16.38	16.32	16.33	16.5
		1	74	16.34	16.38	16.47	16.5
		36	0	16.37	16.25	16.29	16.5
		36	18	16.29	16.23	16.23	16.5
		36	39	16.3	16.22	16.22	16.5
		75	0	16.29	16.16	16.2	16.5
	64QAM	1	0	16.3	16.17	16.08	16.5
		1	38	16.01	15.84	15.96	16.5
		1	74	16.23	16.32	16.27	16.5
		36	0	16.25	16.18	16.09	16.5
		36	18	16.04	15.86	15.9	16.5
		36	39	16.22	16.33	16.23	16.5
		75	0	16.1	16.15	16.08	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	16.43	16.43	16.47	16.5
		1	50	16.45	16.13	16.06	16.5
		1	99	16.48	16.36	16.39	16.5
		50	0	16.47	16.45	16.47	16.5
		50	25	16.43	16.46	16.43	16.5
		50	50	16.43	16.41	16.37	16.5
		100	0	16.42	16.43	16.43	16.5
	16QAM	1	0	16.42	16.44	16.41	16.5
		1	50	16.47	16.38	16.47	16.5
		1	99	16.4	16.39	16.44	16.5
		50	0	16.46	16.47	16.41	16.5
		50	25	16.43	16.37	16.33	16.5
		50	50	16.35	16.36	16.31	16.5
		100	0	16.39	16.33	16.34	16.5

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	64QAM	1	0	16.35	16.15	16.13	16.5
		1	50	15.96	15.89	16.01	16.5
		1	99	16.28	16.3	16.29	16.5
		50	0	16.25	16.17	16.05	16.5
		50	25	15.99	15.86	15.88	16.5
		50	50	16.17	16.24	16.21	16.5
		100	0	16.1	16.17	16.06	16.5

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LTE Band 4 Receiver on(Left head) +hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	17.29	17.1	17.04	17.5
		1	2	17.41	17.2	17.12	17.5
		1	5	17.21	17.29	17	17.5
		3	0	17.34	17.19	17.13	17.5
		3	2	16.6	16.84	17.3	17.5
		3	3	17.13	17.04	16.99	17.5
		6	0	17.27	17.14	17.06	17.5
	16QAM	1	0	17.37	17.43	17.33	17.5
		1	2	16.68	17.1	17.18	17.5
		1	5	17.47	17.47	17.37	17.5
		3	0	16.96	17.13	17.08	17.5
		3	2	17.21	17.35	17.19	17.5
		3	3	16.93	17.17	16.83	17.5
		6	0	17.31	17.35	16.99	17.5
	64QAM	1	0	17.32	17.09	17.07	17.5
		1	2	16.89	16.85	16.99	17.5
		1	5	17.26	17.22	17.27	17.5
		3	0	17.16	17.1	16.95	17.5
		3	2	16.89	16.8	16.81	17.5
		3	3	17.1	17.24	17.13	17.5
		6	0	17.04	17.12	17.04	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	17.25	17.23	17.21	17.5
		1	7	17.19	17.46	17.43	17.5
		1	14	17.27	17.14	17.05	17.5
		8	0	17.26	16.75	17.13	17.5
		8	4	17.01	17.14	16.66	17.5
		8	7	17.32	17.16	16.82	17.5
		15	0	17.34	17.2	17.1	17.5
	16QAM	1	0	17.38	17.29	17.31	17.5
		1	7	17.45	17.42	16.52	17.5
		1	14	17.31	17.15	17.22	17.5
		8	0	17.22	17.25	17.21	17.5
		8	4	17.11	17.08	17.03	17.5
		8	7	17.27	17.02	16.99	17.5
		15	0	17.37	17.11	17.12	17.5
	64QAM	1	0	17.27	17.09	17.04	17.5
		1	7	16.9	16.87	16.94	17.5
		1	14	17.27	17.23	17.2	17.5
		8	0	17.16	17.15	17.02	17.5

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		8	4	16.97	16.82	16.87	17.5
		8	7	17.14	17.17	17.2	17.5
		15	0	17.08	17.08	16.98	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	17.26	17.37	17.21	17.5
		1	13	17.4	17.26	17.19	17.5
		1	24	17.29	17.09	16.96	17.5
		12	0	17.33	17.18	17.18	17.5
		12	6	17.23	17.02	16.99	17.5
		12	13	17.29	17.19	17.2	17.5
		25	0	17.21	17.23	17.15	17.5
	16QAM	1	0	17.34	17.42	17.38	17.5
		1	13	17.32	17.33	17.29	17.5
		1	24	17.44	17.36	17.35	17.5
		12	0	17.38	17.29	17.08	17.5
		12	6	17.13	17.29	17.13	17.5
		12	13	17.27	17.23	17.17	17.5
		25	0	17.18	17.23	16.96	17.5
	64QAM	1	0	17.32	17.09	17.1	17.5
		1	13	16.93	16.83	16.93	17.5
		1	24	17.24	17.28	17.28	17.5
		12	0	17.15	17.12	17.01	17.5
		12	6	16.92	16.84	16.82	17.5
		12	13	17.11	17.22	17.17	17.5
		25	0	17.05	17.17	16.98	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	17.28	17.17	17.12	17.5
		1	25	17.31	17.13	16.41	17.5
		1	49	17.02	17.18	17.05	17.5
		25	0	17.25	17.18	17.26	17.5
		25	13	17.23	17.21	17.18	17.5
		25	25	17.31	17.18	17.13	17.5
		50	0	17.27	17.16	17.17	17.5
	16QAM	1	0	17.37	17.42	16.99	17.5
		1	25	17.09	17.07	17.25	17.5
		1	49	17.3	17.27	17.34	17.5
		25	0	17.28	17.18	17.24	17.5
		25	13	17.28	17.16	17	17.5
		25	25	17.25	17.18	17.13	17.5
		50	0	17.21	17.09	17.01	17.5
	64QAM	1	0	17.31	17.09	17.12	17.5
		1	25	16.89	16.88	16.92	17.5
		1	49	17.19	17.23	17.29	17.5
		25	0	17.21	17.09	17	17.5
		25	13	16.92	16.85	16.78	17.5

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		25	25	17.09	17.15	17.17	17.5
		50	0	17.07	17.12	17.02	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	17.21	17.32	17.15	17.5
		1	38	17.06	17.23	17.17	17.5
		1	74	17.13	17.11	17.06	17.5
		36	0	17.3	17.33	17.23	17.5
		36	18	17.28	17.24	17.17	17.5
		36	39	17.22	17.24	17.1	17.5
		75	0	17.31	17.25	17.16	17.5
	16QAM	1	0	17.35	17.39	17.02	17.5
		1	38	17.32	17.18	17.34	17.5
		1	74	17.44	17.33	17.14	17.5
		36	0	17.28	17.34	17.19	17.5
		36	18	17.26	17.15	17.12	17.5
		36	39	17.16	17.17	17.07	17.5
		75	0	17.15	17.12	17.12	17.5
	64QAM	1	0	17.35	17.14	17.06	17.5
		1	38	16.9	16.83	16.95	17.5
		1	74	17.25	17.28	17.23	17.5
		36	0	17.19	17.16	16.99	17.5
		36	18	16.91	16.84	16.79	17.5
		36	39	17.1	17.15	17.2	17.5
		75	0	17.05	17.11	17.03	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	17.43	17.34	17.31	17.5
		1	50	17.2	17.35	16.9	17.5
		1	99	17.23	17.1	17.07	17.5
		50	0	17.38	17.38	17.19	17.5
		50	25	17.19	17.18	17.14	17.5
		50	50	17.23	17.2	17.21	17.5
		100	0	17.36	17.28	17.16	17.5
	16QAM	1	0	17.37	17.42	17.3	17.5
		1	50	17.4	16.87	16.72	17.5
		1	99	17.29	17.3	17.37	17.5
		50	0	17.33	17.18	17.18	17.5
		50	25	17.21	17.09	17.07	17.5
		50	50	17.17	17.17	17.05	17.5
		100	0	17.3	17.06	17.24	17.5

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	64QAM	1	0	17.28	17.07	17.06	17.5
		1	50	16.86	16.81	16.96	17.5
		1	99	17.18	17.27	17.28	17.5
		50	0	17.23	17.14	17	17.5
		50	25	16.96	16.81	16.87	17.5
		50	50	17.13	17.17	17.2	17.5
		100	0	17.08	17.14	16.98	17.5

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LTE Band 4 Receiver on(Right head) + hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	14.92	14.77	14.66	15
		1	2	13.58	14.64	13.95	15
		1	5	14.91	14.77	14.45	15
		3	0	14.92	14.52	14.67	15
		3	2	14.12	14.43	14.48	15
		3	3	14.55	14.57	14.69	15
		6	0	14.81	14.72	14.51	15
	16QAM	1	0	14.91	14.98	14.95	15
		1	2	14.91	14.88	14.78	15
		1	5	14.87	14.85	14.83	15
		3	0	14.58	14.65	14.81	15
		3	2	14.71	14.51	14.31	15
		3	3	14.82	14.8	14.6	15
		6	0	14.82	14.67	14.56	15
	64QAM	1	0	14.78	14.59	14.48	15
		1	2	14.32	14.26	14.47	15
		1	5	14.73	14.66	14.67	15
		3	0	14.66	14.54	14.36	15
		3	2	14.38	14.26	14.22	15
		3	3	14.6	14.68	14.55	15
		6	0	14.51	14.57	14.48	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	14.76	14.83	14.43	15
		1	7	14.26	12.89	13.34	15
		1	14	14.72	14.75	14.62	15
		8	0	14.56	14.66	14.64	15
		8	4	14.69	14.7	14.54	15
		8	7	14.69	14.71	14.66	15
		15	0	14.67	14.74	14.69	15
	16QAM	1	0	14.91	14.92	14.85	15
		1	7	14.69	14.78	13.19	15
		1	14	14.91	14.93	14.94	15
		8	0	14.65	14.69	14.64	15
		8	4	14.78	14.68	14.47	15
		8	7	14.73	14.47	14.63	15
		15	0	14.81	14.69	14.53	15
	64QAM	1	0	14.79	14.5	14.48	15
		1	7	14.38	14.28	14.45	15
		1	14	14.73	14.64	14.72	15
		8	0	14.63	14.51	14.42	15

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		8	4	14.29	14.27	14.25	15
		8	7	14.52	14.72	14.59	15
		15	0	14.52	14.6	14.48	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	14.76	14.77	14.7	15
		1	13	14.65	14.69	14.58	15
		1	24	14.81	14.71	14.52	15
		12	0	14.76	14.71	14.73	15
		12	6	14.73	14.64	14.67	15
		12	13	14.75	14.72	14.65	15
		25	0	14.68	14.77	14.59	15
	16QAM	1	0	14.87	14.88	14.55	15
		1	13	14.82	14.93	14.91	15
		1	24	14.89	14.79	14.82	15
		12	0	14.84	14.69	14.8	15
		12	6	14.62	14.66	14.58	15
		12	13	14.95	14.67	14.46	15
		25	0	14.7	14.64	14.54	15
	64QAM	1	0	14.8	14.51	14.51	15
		1	13	14.38	14.27	14.45	15
		1	24	14.73	14.7	14.68	15
		12	0	14.61	14.55	14.41	15
		12	6	14.34	14.29	14.29	15
		12	13	14.58	14.71	14.6	15
		25	0	14.49	14.56	14.45	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	14.83	14.91	14.73	15
		1	25	14.73	14.38	14.7	15
		1	49	14.7	14.8	14.59	15
		25	0	14.81	14.71	14.71	15
		25	13	14.72	14.76	14.65	15
		25	25	14.76	14.73	14.61	15
		50	0	14.79	14.71	14.65	15
	16QAM	1	0	14.95	14.93	14.86	15
		1	25	14.91	14.95	14.97	15
		1	49	14.69	14.55	14.71	15
		25	0	14.72	14.51	14.54	15
		25	13	14.54	14.68	14.57	15
		25	25	14.79	14.59	14.6	15
		50	0	14.66	14.63	14.54	15
	64QAM	1	0	14.74	14.54	14.56	15
		1	25	14.3	14.29	14.4	15
		1	49	14.73	14.64	14.75	15
		25	0	14.62	14.57	14.37	15
		25	13	14.37	14.2	14.29	15

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		25	25	14.58	14.66	14.6	15
		50	0	14.5	14.56	14.52	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	14.83	14.72	14.72	15
		1	38	14.94	14.76	14.64	15
		1	74	14.66	14.62	14.35	15
		36	0	14.83	14.74	14.72	15
		36	18	14.84	14.72	14.74	15
		36	39	14.66	14.7	14.56	15
		75	0	14.82	14.66	14.61	15
	16QAM	1	0	14.64	14.63	14.57	15
		1	38	14.72	14.74	14.63	15
		1	74	14.96	14.96	14.94	15
		36	0	14.73	14.79	14.72	15
		36	18	14.63	14.64	14.72	15
		36	39	14.78	14.58	14.56	15
		75	0	14.79	14.63	14.54	15
	64QAM	1	0	14.72	14.57	14.51	15
		1	38	14.33	14.25	14.46	15
		1	74	14.68	14.65	14.68	15
		36	0	14.63	14.6	14.39	15
		36	18	14.32	14.23	14.22	15
		36	39	14.57	14.66	14.55	15
		75	0	14.47	14.57	14.46	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	14.83	14.99	14.82	15
		1	50	14.68	14.56	14.74	15
		1	99	14.7	14.67	14.6	15
		50	0	14.88	14.74	14.61	15
		50	25	14.74	14.68	14.62	15
		50	50	14.76	14.59	14.65	15
		100	0	14.71	14.71	14.62	15
	16QAM	1	0	14.83	14.85	14.78	15
		1	50	14.13	14.78	14.77	15
		1	99	14.74	14.79	14.46	15
		50	0	14.75	14.71	14.61	15
		50	25	14.69	14.57	14.57	15
		50	50	14.59	14.53	14.51	15
		100	0	14.66	14.57	14.56	15

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	64QAM	1	0	14.79	14.54	14.55	15
		1	50	14.37	14.25	14.44	15
		1	99	14.68	14.69	14.69	15
		50	0	14.62	14.58	14.37	15
		50	25	14.35	14.26	14.22	15
		50	50	14.56	14.65	14.59	15
		100	0	14.5	14.61	14.47	15

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LTE Band 4 Receiver on(Left head) hotspot 5G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	15.3	15.28	15.2	15.5
		1	2	14.85	15.48	14.86	15.5
		1	5	15.28	15.3	15.14	15.5
		3	0	15.18	15.1	15.24	15.5
		3	2	15.43	14.99	15.03	15.5
		3	3	15.23	14.84	14.78	15.5
		6	0	15.31	15.2	15.15	15.5
	16QAM	1	0	15.3	15.36	15.47	15.5
		1	2	15.2	15.38	15.23	15.5
		1	5	15.3	15.37	15.25	15.5
		3	0	15.33	15.1	15.07	15.5
		3	2	15.22	15.36	15.31	15.5
		3	3	14.51	15.11	15.23	15.5
		6	0	15.08	14.92	15.08	15.5
	64QAM	1	0	15.2	15.06	14.9	15.5
		1	2	14.76	14.74	14.97	15.5
		1	5	15.23	15.08	15.13	15.5
		3	0	15.1	14.96	14.82	15.5
		3	2	14.85	14.69	14.62	15.5
		3	3	15.08	15.13	14.99	15.5
		6	0	14.91	15.01	14.97	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	15.21	15.35	15.14	15.5
		1	7	14.99	14.27	14.95	15.5
		1	14	15.25	15.21	15.08	15.5
		8	0	15.09	15.19	14.86	15.5
		8	4	14.97	15.21	15.03	15.5
		8	7	15.28	15.21	14.91	15.5
		15	0	15.28	15.16	14.94	15.5
	16QAM	1	0	15.06	15.37	15.41	15.5
		1	7	15.4	15.41	15.35	15.5
		1	14	15.32	15.34	15.31	15.5
		8	0	15.28	15.2	15.16	15.5
		8	4	15.28	15.22	15.05	15.5
		8	7	15.36	15.07	15.21	15.5
		15	0	15.18	15.15	15.14	15.5
	64QAM	1	0	15.28	15.07	14.97	15.5
		1	7	14.77	14.75	14.88	15.5
		1	14	15.17	15.09	15.07	15.5
		8	0	15.11	15.04	14.86	15.5

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		8	4	14.86	14.69	14.71	15.5
		8	7	15.02	15.16	15.04	15.5
		15	0	14.97	15.06	14.93	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	15.24	15.31	15.18	15.5
		1	13	15.29	15.19	15.01	15.5
		1	24	15.15	15.1	15.13	15.5
		12	0	15.28	15.15	15.12	15.5
		12	6	15.34	15.07	15.18	15.5
		12	13	15.18	15.22	15.15	15.5
		25	0	15.23	15.26	14.99	15.5
	16QAM	1	0	15.4	15.35	15.19	15.5
		1	13	15.22	14.94	14.93	15.5
		1	24	15.37	15.32	15.31	15.5
		12	0	15.26	15.23	15.12	15.5
		12	6	15.34	15.01	14.93	15.5
		12	13	15.28	15.26	15.05	15.5
		25	0	15.28	15.14	15.05	15.5
	64QAM	1	0	15.24	15.08	14.92	15.5
		1	13	14.73	14.67	14.89	15.5
		1	24	15.22	15.14	15.11	15.5
		12	0	15.13	15.03	14.76	15.5
		12	6	14.85	14.72	14.71	15.5
		12	13	15.01	15.15	15.02	15.5
		25	0	15	14.98	14.88	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	15.32	15.01	15.21	15.5
		1	25	14.29	14.49	14.81	15.5
		1	49	15.15	15.08	15.11	15.5
		25	0	15.4	15.23	15.25	15.5
		25	13	15.22	15.18	14.96	15.5
		25	25	15.32	15.15	15.15	15.5
		50	0	15.3	15.13	15.09	15.5
	16QAM	1	0	15.38	15.43	15.42	15.5
		1	25	15.13	15.25	15.37	15.5
		1	49	15.22	15.33	15.42	15.5
		25	0	15.1	15.11	15.07	15.5
		25	13	15.13	15.16	15.15	15.5
		25	25	15.24	15.04	15.09	15.5
		50	0	15.19	15.03	14.94	15.5
	64QAM	1	0	15.26	15.05	14.92	15.5
		1	25	14.79	14.73	14.97	15.5
		1	49	15.22	15.16	15.12	15.5
		25	0	15.08	14.95	14.8	15.5
		25	13	14.82	14.72	14.69	15.5

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		25	25	15.03	15.13	14.98	15.5
		50	0	15.01	15	14.95	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	15.25	15.31	15.16	15.5
		1	38	15.29	15.33	14.96	15.5
		1	74	15.16	15.12	14.99	15.5
		36	0	15.37	15.19	15.23	15.5
		36	18	15.3	15.23	15.13	15.5
		36	39	15.23	15.18	15.09	15.5
		75	0	15.3	15.26	15.14	15.5
	16QAM	1	0	15.31	15.32	15.13	15.5
		1	38	15.37	15.32	15.3	15.5
		1	74	15.32	15.24	15.42	15.5
		36	0	15.19	15.25	15.16	15.5
		36	18	15.18	15.13	15.06	15.5
		36	39	15.14	15.05	15.15	15.5
		75	0	15.16	15.08	15.09	15.5
	64QAM	1	0	15.22	15.04	14.96	15.5
		1	38	14.77	14.72	14.97	15.5
		1	74	15.14	15.11	15.13	15.5
		36	0	15.13	15	14.81	15.5
		36	18	14.8	14.75	14.63	15.5
		36	39	15.09	15.15	15.02	15.5
		75	0	14.97	15	14.95	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	15.26	15.18	15.11	15.5
		1	50	14.45	14.75	14.96	15.5
		1	99	15.16	15.02	15.19	15.5
		50	0	15.37	15.34	15.18	15.5
		50	25	15.18	15.17	15.15	15.5
		50	50	15.18	15.15	15.08	15.5
		100	0	15.26	15.15	15.19	15.5
	16QAM	1	0	15.35	15.31	15.34	15.5
		1	50	15.34	15.39	15.33	15.5
		1	99	15.34	14.94	15.32	15.5
		50	0	15.25	15.2	15.22	15.5
		50	25	15.22	15.02	14.99	15.5
		50	50	15.04	14.98	15.07	15.5
		100	0	15.22	15.16	15.18	15.5

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	64QAM	1	0	15.18	15	14.95	15.5
		1	50	14.79	14.73	14.92	15.5
		1	99	15.17	15.06	15.11	15.5
		50	0	15.07	14.98	14.83	15.5
		50	25	14.86	14.75	14.64	15.5
		50	50	15.06	15.18	14.96	15.5
		100	0	15	14.97	14.96	15.5

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LTE Band 4 Receiver on(Right head) + hotspot 5G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	12.89	12.68	12.63	13
		1	2	12.94	12.99	12.48	13
		1	5	12.8	12.66	12.6	13
		3	0	12.42	12.35	11.93	13
		3	2	12.45	12.68	12.42	13
		3	3	12.45	12.55	12.26	13
		6	0	12.85	12.66	12.72	13
	16QAM	1	0	12.91	12.72	12.81	13
		1	2	12.29	12.31	12.27	13
		1	5	12.96	12.98	12.99	13
		3	0	12.65	12.49	12.28	13
		3	2	12.67	12.9	12.26	13
		3	3	12.21	12.48	12.5	13
		6	0	12.97	12.45	12.12	13
	64QAM	1	0	12.62	12.51	12.34	13
		1	2	12.22	12.17	12.38	13
		1	5	12.66	12.55	12.55	13
		3	0	12.54	12.46	12.3	13
		3	2	12.26	12.09	12.05	13
		3	3	12.54	12.53	12.4	13
		6	0	12.32	12.46	12.46	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	12.61	12.66	12.6	13
		1	7	12.15	12.35	12.99	13
		1	14	12.72	12.74	12.58	13
		8	0	12.67	12.35	12.46	13
		8	4	12.41	12.62	12.48	13
		8	7	12.79	12.47	12.49	13
		15	0	12.67	12.73	12.6	13
	16QAM	1	0	12.87	12.91	12.95	13
		1	7	12.76	12.53	12.84	13
		1	14	12.82	12.76	12.66	13
		8	0	12.77	12.74	12.48	13
		8	4	12.61	12.51	12.65	13
		8	7	12.84	12.63	12.37	13
		15	0	12.64	12.69	12.58	13
	64QAM	1	0	12.66	12.49	12.32	13
		1	7	12.17	12.2	12.44	13
		1	14	12.64	12.55	12.58	13
		8	0	12.59	12.44	12.28	13

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		8	4	12.33	12.1	12.04	13
		8	7	12.58	12.59	12.45	13
		15	0	12.35	12.42	12.41	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	12.9	12.65	12.6	13
		1	13	12.76	12.87	12.42	13
		1	24	12.73	12.54	12.52	13
		12	0	12.78	12.71	12.58	13
		12	6	12.92	12.94	12.63	13
		12	13	12.85	12.69	12.55	13
		25	0	12.73	12.75	12.58	13
	16QAM	1	0	12.42	12.51	12.39	13
		1	13	12.64	12.71	12.67	13
		1	24	12.81	12.84	12.91	13
		12	0	12.66	12.64	12.54	13
		12	6	12.66	12.48	12.42	13
		12	13	12.74	12.72	12.62	13
		25	0	12.58	12.6	12.54	13
	64QAM	1	0	12.68	12.5	12.3	13
		1	13	12.16	12.22	12.41	13
		1	24	12.69	12.53	12.6	13
		12	0	12.55	12.39	12.31	13
		12	6	12.28	12.1	12.04	13
		12	13	12.51	12.58	12.48	13
		25	0	12.32	12.49	12.46	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	12.86	12.69	12.58	13
		1	25	12.3	12.22	12.42	13
		1	49	12.7	12.54	12.52	13
		25	0	12.77	12.7	12.52	13
		25	13	12.84	12.61	12.59	13
		25	25	12.75	12.7	12.58	13
		50	0	12.76	12.69	12.66	13
	16QAM	1	0	12.86	12.73	12.5	13
		1	25	12.99	12.59	11.95	13
		1	49	12.89	12.84	12.83	13
		25	0	12.76	12.64	12.58	13
		25	13	12.74	12.6	12.49	13
		25	25	12.69	12.53	12.41	13
		50	0	12.7	12.48	12.62	13
	64QAM	1	0	12.6	12.52	12.39	13
		1	25	12.24	12.18	12.45	13
		1	49	12.72	12.57	12.53	13
		25	0	12.51	12.39	12.28	13
		25	13	12.25	12.18	12.06	13

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		25	25	12.52	12.61	12.4	13
		50	0	12.35	12.5	12.4	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	12.83	12.55	12.56	13
		1	38	12.78	12.88	12.7	13
		1	74	12.53	12.47	12.41	13
		36	0	12.81	12.71	12.69	13
		36	18	12.8	12.75	12.57	13
		36	39	12.81	12.73	12.6	13
		75	0	12.79	12.64	12.59	13
	16QAM	1	0	12.91	12.86	12.94	13
		1	38	12.81	12.84	12.84	13
		1	74	12.69	12.66	12.78	13
		36	0	12.75	12.69	12.61	13
		36	18	12.66	12.59	12.54	13
		36	39	12.62	12.55	12.55	13
		75	0	12.59	12.54	12.56	13
	64QAM	1	0	12.62	12.54	12.33	13
		1	38	12.21	12.15	12.43	13
		1	74	12.71	12.52	12.55	13
		36	0	12.58	12.45	12.3	13
		36	18	12.26	12.19	12.12	13
		36	39	12.55	12.56	12.39	13
		75	0	12.41	12.5	12.4	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	12.91	12.86	12.86	13
		1	50	12.62	12.75	11.78	13
		1	99	12.63	12.71	12.56	13
		50	0	12.73	12.78	12.63	13
		50	25	12.79	12.63	12.62	13
		50	50	12.67	12.74	12.72	13
		100	0	12.76	12.73	12.63	13
	16QAM	1	0	12.86	12.91	12.87	13
		1	50	12.49	12.45	12.26	13
		1	99	12.52	12.79	12.9	13
		50	0	12.75	12.68	12.57	13
		50	25	12.61	12.58	12.57	13
		50	50	12.66	12.53	12.57	13
		100	0	12.7	12.63	12.57	13

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	64QAM	1	0	12.67	12.5	12.33	13
		1	50	12.23	12.21	12.41	13
		1	99	12.73	12.54	12.58	13
		50	0	12.51	12.38	12.27	13
		50	25	12.26	12.11	12.09	13
		50	50	12.55	12.56	12.44	13
		100	0	12.31	12.45	12.45	13

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LTE Band 4 Receiver on(Left head) + BT				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	18.37	18.12	18.2	18.5
		1	2	17.83	18.3	17.02	18.5
		1	5	18.29	18.29	18.12	18.5
		3	0	17.81	18.34	18	18.5
		3	2	18.2	18.06	17.93	18.5
		3	3	17.9	18.2	17.79	18.5
		6	0	18.25	18.05	17.74	18.5
	16QAM	1	0	18.33	18.37	18.05	18.5
		1	2	18.38	18.35	18.36	18.5
		1	5	18.24	18.34	18.22	18.5
		3	0	18.02	17.56	17.92	18.5
		3	2	18.16	18.35	18.25	18.5
		3	3	18.22	17.91	17.93	18.5
		6	0	18.28	18.09	18.12	18.5
	64QAM	1	0	18.15	17.95	17.8	18.5
		1	2	17.65	17.68	17.89	18.5
		1	5	18.2	17.99	18.02	18.5
		3	0	17.92	17.83	17.72	18.5
		3	2	17.68	17.54	17.59	18.5
		3	3	18	18.04	17.9	18.5
		6	0	17.72	17.91	17.92	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	18.29	18.22	18.24	18.5
		1	7	17.69	18.27	16.62	18.5
		1	14	18.16	18.17	18.07	18.5
		8	0	18.19	18.27	17.68	18.5
		8	4	18.34	18.23	18.01	18.5
		8	7	18.18	18.16	18.17	18.5
		15	0	18.14	18.25	18	18.5
	16QAM	1	0	18.37	18.39	18.3	18.5
		1	7	18.22	18.08	18.3	18.5
		1	14	18.41	18.39	18.35	18.5
		8	0	18.27	18.32	18.13	18.5
		8	4	18.25	18.15	17.77	18.5
		8	7	18.28	18.14	18.16	18.5
		15	0	18.28	18.26	17.96	18.5
	64QAM	1	0	18.1	17.92	17.74	18.5
		1	7	17.71	17.68	17.89	18.5
		1	14	18.18	17.98	18.07	18.5
		8	0	17.94	17.81	17.68	18.5

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		8	4	17.67	17.57	17.58	18.5
		8	7	17.96	17.98	17.87	18.5
		15	0	17.74	17.85	17.9	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	18.29	18.21	18.06	18.5
		1	13	18.35	18.22	18.01	18.5
		1	24	18.28	18.2	18.02	18.5
		12	0	18.43	18.12	18.11	18.5
		12	6	18.33	18.23	18.25	18.5
		12	13	18.3	18.2	18.16	18.5
		25	0	18.28	18.16	18.17	18.5
	16QAM	1	0	18.41	18.32	18.39	18.5
		1	13	18.34	18.4	18.38	18.5
		1	24	18.32	18.14	18.34	18.5
		12	0	18.36	18.15	18.19	18.5
		12	6	18.19	18.16	18.1	18.5
		12	13	18.37	18.23	18.05	18.5
		25	0	18.22	18.15	18.07	18.5
	64QAM	1	0	18.07	17.97	17.8	18.5
		1	13	17.72	17.62	17.89	18.5
		1	24	18.17	18	17.98	18.5
		12	0	17.92	17.79	17.74	18.5
		12	6	17.73	17.57	17.52	18.5
		12	13	17.97	18.02	17.89	18.5
		25	0	17.8	17.95	17.94	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	18.29	18.15	18.21	18.5
		1	25	17.74	18.1	17.26	18.5
		1	49	18.12	18.11	17.93	18.5
		25	0	18.27	18.3	18.18	18.5
		25	13	18.28	18.19	18.16	18.5
		25	25	18.28	18.22	18.07	18.5
		50	0	18.29	18.12	18.12	18.5
	16QAM	1	0	18.24	18.33	18.31	18.5
		1	25	18.32	17.57	18.34	18.5
		1	49	18.31	18.16	18.44	18.5
		25	0	18.23	18.15	18.14	18.5
		25	13	18.26	18.14	18.19	18.5
		25	25	18.22	18.21	18.04	18.5
		50	0	18.11	18.08	18.11	18.5
	64QAM	1	0	18.13	17.95	17.73	18.5
		1	25	17.71	17.68	17.88	18.5
		1	49	18.2	18.02	18	18.5
		25	0	17.92	17.8	17.67	18.5
		25	13	17.72	17.56	17.57	18.5

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		25	25	18.01	18.01	17.88	18.5
		50	0	17.81	17.93	17.87	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	18.29	18.14	18.14	18.5
		1	38	18.31	18.24	18.09	18.5
		1	74	18.15	18.17	18.05	18.5
		36	0	18.24	18.27	18.15	18.5
		36	18	18.2	18.17	18.19	18.5
		36	39	18.28	18.24	18.18	18.5
		75	0	18.3	18.18	18.08	18.5
	16QAM	1	0	18.35	18.49	18.38	18.5
		1	38	18.42	18.33	18.08	18.5
		1	74	18.35	18.41	17.76	18.5
		36	0	18.28	18.1	18.14	18.5
		36	18	18.12	18.02	18.04	18.5
		36	39	18.2	18.1	18.1	18.5
		75	0	18.25	18.16	18.17	18.5
	64QAM	1	0	18.13	17.95	17.8	18.5
		1	38	17.72	17.67	17.83	18.5
		1	74	18.14	18	18.07	18.5
		36	0	17.92	17.81	17.7	18.5
		36	18	17.72	17.55	17.56	18.5
		36	39	18.04	18.04	17.89	18.5
		75	0	17.79	17.87	17.92	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	18.45	18.28	18.43	18.5
		1	50	18.02	17.55	17.29	18.5
		1	99	18.13	18.11	18.18	18.5
		50	0	18.33	18.18	18.15	18.5
		50	25	18.34	18.21	18.16	18.5
		50	50	18.24	18.09	18.1	18.5
		100	0	18.3	18.17	18.17	18.5
	16QAM	1	0	18.35	18.42	18.37	18.5
		1	50	18.26	18.36	18.04	18.5
		1	99	18.44	18.29	18.32	18.5
		50	0	18.28	18.16	18.15	18.5
		50	25	18.16	18.05	17.98	18.5
		50	50	18.09	18.07	18.07	18.5
		100	0	18.26	18	18.12	18.5

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	64QAM	1	0	18.14	17.98	17.77	18.5
		1	50	17.69	17.7	17.84	18.5
		1	99	18.15	17.99	18	18.5
		50	0	17.91	17.83	17.68	18.5
		50	25	17.69	17.54	17.58	18.5
		50	50	17.97	18.06	17.89	18.5
		100	0	17.76	17.93	17.95	18.5

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LTE Band 4 Receiver on(Right head) + BT				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	15.73	15.77	15.6	16
		1	2	15.67	15.86	14.43	16
		1	5	15.65	15.72	15.57	16
		3	0	15.79	15.62	15.4	16
		3	2	15.74	15	15.22	16
		3	3	15.8	15.66	15.65	16
		6	0	15.73	15.3	15.38	16
	16QAM	1	0	15.84	15.97	15.89	16
		1	2	15.19	15.2	15.38	16
		1	5	15.41	15.36	15.25	16
		3	0	15.84	15.6	15.53	16
		3	2	15.66	15.92	15.07	16
		3	3	15.78	15.65	15.57	16
		6	0	15.66	15.56	15.4	16
	64QAM	1	0	15.78	15.67	15.43	16
		1	2	15.31	15.35	15.5	16
		1	5	15.82	15.59	15.61	16
		3	0	15.59	15.44	15.31	16
		3	2	15.34	15.17	15.21	16
		3	3	15.62	15.73	15.53	16
		6	0	15.37	15.54	15.6	16
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	15.8	15.75	15.65	16
		1	7	15.37	15.49	14.5	16
		1	14	15.64	15.65	15.48	16
		8	0	15.31	15.73	15.43	16
		8	4	15.55	15.74	15.49	16
		8	7	15.76	15.74	15.57	16
		15	0	15.8	15.74	15.52	16
	16QAM	1	0	15.94	15.91	15.95	16
		1	7	15.35	15.05	15.8	16
		1	14	15.76	15.71	15.74	16
		8	0	15.9	15.49	15.58	16
		8	4	15.84	15.69	15.57	16
		8	7	15.95	15.66	15.68	16
		15	0	15.68	15.61	15.52	16
	64QAM	1	0	15.79	15.58	15.41	16
		1	7	15.3	15.32	15.46	16
		1	14	15.83	15.63	15.67	16
		8	0	15.55	15.47	15.36	16

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		8	4	15.32	15.19	15.23	16
		8	7	15.57	15.72	15.54	16
		15	0	15.42	15.63	15.63	16
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	15.78	15.66	15.62	16
		1	13	15.76	15.82	15.6	16
		1	24	15.74	15.51	15.68	16
		12	0	15.87	15.71	15.68	16
		12	6	15.39	15.67	15.64	16
		12	13	15.71	15.71	15.6	16
		25	0	15.77	15.77	15.56	16
	16QAM	1	0	15.84	15.83	15.87	16
		1	13	15.99	15.89	15.98	16
		1	24	15.91	15.88	15.86	16
		12	0	15.7	15.6	15.64	16
		12	6	15.81	15.93	15.44	16
		12	13	15.77	15.52	15.61	16
		25	0	15.71	15.6	15.69	16
	64QAM	1	0	15.8	15.64	15.42	16
		1	13	15.29	15.39	15.5	16
		1	24	15.84	15.65	15.7	16
		12	0	15.59	15.44	15.37	16
		12	6	15.31	15.17	15.24	16
		12	13	15.63	15.67	15.53	16
		25	0	15.39	15.61	15.65	16
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	15.92	15.63	15.68	16
		1	25	15.21	15.11	15.05	16
		1	49	15.64	15.74	15.47	16
		25	0	15.77	15.75	15.66	16
		25	13	15.83	15.65	15.59	16
		25	25	15.73	15.68	15.55	16
		50	0	15.76	15.74	15.58	16
	16QAM	1	0	15.78	15.72	15.67	16
		1	25	15.76	15.81	14.05	16
		1	49	15.79	15.84	15.86	16
		25	0	15.64	15.62	15.62	16
		25	13	15.68	15.73	15.69	16
		25	25	15.6	15.64	15.58	16
		50	0	15.68	15.59	15.5	16
	64QAM	1	0	15.82	15.63	15.46	16
		1	25	15.33	15.39	15.5	16
		1	49	15.76	15.6	15.7	16
		25	0	15.6	15.51	15.32	16
		25	13	15.3	15.23	15.25	16

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		25	25	15.6	15.72	15.53	16
		50	0	15.38	15.57	15.61	16
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	15.76	15.84	15.62	16
		1	38	15.74	15.78	15.61	16
		1	74	15.68	15.54	15.59	16
		36	0	15.88	15.77	15.8	16
		36	18	15.72	15.66	15.68	16
		36	39	15.76	15.63	15.64	16
		75	0	15.75	15.69	15.7	16
	16QAM	1	0	15.59	15.33	15.43	16
		1	38	15.87	15.84	15.83	16
		1	74	15.89	15.86	15.8	16
		36	0	15.74	15.66	15.76	16
		36	18	15.79	15.73	15.61	16
		36	39	15.68	15.63	15.56	16
		75	0	15.76	15.56	15.57	16
	64QAM	1	0	15.78	15.6	15.4	16
		1	38	15.37	15.32	15.54	16
		1	74	15.81	15.63	15.68	16
		36	0	15.54	15.44	15.31	16
		36	18	15.35	15.22	15.19	16
		36	39	15.58	15.7	15.53	16
		75	0	15.4	15.6	15.6	16
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	15.95	15.97	15.84	16
		1	50	15.76	15.94	15.71	16
		1	99	15.76	15.67	15.57	16
		50	0	15.93	15.79	15.69	16
		50	25	15.74	15.61	15.69	16
		50	50	15.74	15.59	15.6	16
		100	0	15.87	15.74	15.7	16
	16QAM	1	0	15.91	15.89	15.86	16
		1	50	15.92	15.94	15.55	16
		1	99	15.97	15.97	15.87	16
		50	0	15.69	15.69	15.62	16
		50	25	15.65	15.61	15.57	16
		50	50	15.62	15.59	15.48	16
		100	0	15.66	15.57	15.6	16

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	64QAM	1	0	15.82	15.64	15.41	16
		1	50	15.32	15.31	15.45	16
		1	99	15.81	15.62	15.67	16
		50	0	15.52	15.51	15.38	16
		50	25	15.3	15.17	15.18	16
		50	50	15.65	15.7	15.52	16
		100	0	15.37	15.55	15.6	16

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LTE Band 4 Receiver off + BT				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	19.29	19	19.11	19.5
		1	2	19.42	18.86	18.62	19.5
		1	5	19.34	19.31	19.2	19.5
		3	0	19.19	18.99	18.96	19.5
		3	2	19.3	19.19	18.98	19.5
		3	3	19.21	19.09	18.85	19.5
		6	0	19.45	19.21	19.12	19.5
	16QAM	1	0	19.36	19.34	19.32	19.5
		1	2	19.31	19.23	19.38	19.5
		1	5	19.42	19.3	19.2	19.5
		3	0	19.39	19.21	18.84	19.5
		3	2	18.31	19.37	19.2	19.5
		3	3	19.45	19.08	19.14	19.5
		6	0	19.34	19.13	19.15	19.5
	64QAM	1	0	19.28	19.1	18.82	19.5
		1	2	18.82	18.72	18.95	19.5
		1	5	19.29	19.03	19.1	19.5
		3	0	18.96	18.99	18.78	19.5
		3	2	18.75	18.64	18.68	19.5
		3	3	19.14	19.16	18.93	19.5
		6	0	18.86	19.04	19.07	19.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	19.33	19.16	19.18	19.5
		1	7	18.98	18.33	19.32	19.5
		1	14	19.29	19.28	19.04	19.5
		8	0	19.13	19.29	19.17	19.5
		8	4	19.3	19.48	19.06	19.5
		8	7	19.28	19.12	19	19.5
		15	0	19.38	19.27	19.1	19.5
	16QAM	1	0	19.37	19.38	19.41	19.5
		1	7	19.19	19.31	19.4	19.5
		1	14	19.29	19.37	19.27	19.5
		8	0	19.24	19.15	19.07	19.5
		8	4	19.29	19.32	19.08	19.5
		8	7	19.17	19.12	19.27	19.5
		15	0	19.22	19.12	19.16	19.5
	64QAM	1	0	19.25	19.14	18.82	19.5
		1	7	18.75	18.8	18.92	19.5
		1	14	19.29	19.04	19.13	19.5
		8	0	19	18.91	18.82	19.5

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		8	4	18.76	18.66	18.59	19.5
		8	7	19.06	19.15	18.95	19.5
		15	0	18.81	18.97	19.01	19.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	19.32	19.27	19.19	19.5
		1	13	19.21	19.32	19.14	19.5
		1	24	19.34	19.14	19.07	19.5
		12	0	19.34	19.19	19.18	19.5
		12	6	19.36	19.29	19.19	19.5
		12	13	19.27	19.31	19.24	19.5
		25	0	19.25	19.24	19.18	19.5
	16QAM	1	0	19.36	19.44	19.42	19.5
		1	13	19.39	19.38	18.84	19.5
		1	24	19.37	19.33	19.39	19.5
		12	0	19.3	19.31	19.23	19.5
		12	6	19.3	19.15	19.22	19.5
		12	13	19.19	19.13	19.14	19.5
		25	0	19.27	19.07	18.96	19.5
	64QAM	1	0	19.27	19.09	18.91	19.5
		1	13	18.8	18.72	18.93	19.5
		1	24	19.25	19.05	19.08	19.5
		12	0	18.92	19	18.78	19.5
		12	6	18.8	18.62	18.66	19.5
		12	13	19.1	19.12	19	19.5
		25	0	18.83	19.05	19.06	19.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	19.43	19.31	19.13	19.5
		1	25	19.47	18.71	19.07	19.5
		1	49	19.24	19.11	19.18	19.5
		25	0	19.29	19.19	19.21	19.5
		25	13	19.36	19.23	19.18	19.5
		25	25	19.23	19.25	19.15	19.5
		50	0	19.26	19.16	19.17	19.5
	16QAM	1	0	19.14	19.39	19.35	19.5
		1	25	19.46	19.35	18.39	19.5
		1	49	19.33	19.34	19.15	19.5
		25	0	19.29	19.09	19.09	19.5
		25	13	19.29	19.07	18.98	19.5
		25	25	19.14	19.02	19.19	19.5
		50	0	19.17	19.19	18.97	19.5
	64QAM	1	0	19.29	19.12	18.83	19.5
		1	25	18.73	18.72	18.91	19.5
		1	49	19.22	19.05	19.1	19.5
		25	0	18.99	18.95	18.87	19.5
		25	13	18.72	18.61	18.67	19.5

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		25	25	19.06	19.11	18.92	19.5
		50	0	18.83	19.02	19	19.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	19.35	19.28	19.16	19.5
		1	38	19.36	19.28	18.93	19.5
		1	74	19.18	19.15	19.08	19.5
		36	0	19.34	19.33	19.2	19.5
		36	18	19.28	19.22	19.24	19.5
		36	39	19.29	19.18	19.22	19.5
		75	0	19.26	19.24	19.15	19.5
	16QAM	1	0	19.33	19.34	19.31	19.5
		1	38	19.38	19.24	19.24	19.5
		1	74	19.36	19.45	19.37	19.5
		36	0	19.16	19.13	19.06	19.5
		36	18	19.16	19.08	19.14	19.5
		36	39	19.12	19.14	19.06	19.5
		75	0	19.22	19.06	19.09	19.5
	64QAM	1	0	19.26	19.1	18.9	19.5
		1	38	18.78	18.78	18.87	19.5
		1	74	19.23	19.07	19.1	19.5
		36	0	18.93	18.91	18.86	19.5
		36	18	18.74	18.63	18.62	19.5
		36	39	19.08	19.18	19.01	19.5
		75	0	18.77	18.96	19.05	19.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	19.46	19.44	19.34	19.5
		1	50	18.66	18.5	18.87	19.5
		1	99	19.32	19.18	19.24	19.5
		50	0	19.38	19.28	19.2	19.5
		50	25	19.2	19.13	19.21	19.5
		50	50	19.2	19.25	19.13	19.5
		100	0	19.28	19.11	19.22	19.5
	16QAM	1	0	19.39	19.36	19.35	19.5
		1	50	19.1	18.82	19.39	19.5
		1	99	19.32	19.46	19.33	19.5
		50	0	19.23	19.27	19.18	19.5
		50	25	19.18	19.1	19.05	19.5
		50	50	19.16	19.11	19.09	19.5
		100	0	19.23	19.1	19.14	19.5

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	64QAM	1	0	19.3	19.12	18.85	19.5
		1	50	18.78	18.77	18.9	19.5
		1	99	19.21	19.04	19.07	19.5
		50	0	18.98	18.97	18.81	19.5
		50	25	18.74	18.67	18.6	19.5
		50	50	19.06	19.14	18.93	19.5
		100	0	18.84	19	19.07	19.5

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LTE Band 4 Receiver on(Left head) + WiFi2.4G Ant1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 19957	Channel 20175	Channel 20393	Tune up
1.4MHz	QPSK	1	0	17.36	17.18	17.14	17.5
		1	2	15.83	16.82	16.39	17.5
		1	5	17.25	17.25	17.11	17.5
		3	0	16.92	16.82	17.03	17.5
		3	2	17.38	16.57	17.16	17.5
		3	3	17.2	17.23	17.09	17.5
		6	0	16.82	17.37	17.14	17.5
	16QAM	1	0	17.44	17.39	17.35	17.5
		1	2	17.27	17.16	16.89	17.5
		1	5	17.31	17.46	17.04	17.5
		3	0	17.41	17.39	17.07	17.5
		3	2	17.31	17.37	17.48	17.5
		3	3	17.28	17.24	17.23	17.5
		6	0	16.69	16.98	17.01	17.5
	64QAM	1	0	17.34	17.19	16.93	17.5
		1	2	16.87	16.85	16.96	17.5
		1	5	17.26	17.11	17.14	17.5
		3	0	17.04	17.05	16.9	17.5
		3	2	16.8	16.73	16.69	17.5
		3	3	17.12	17.22	17.02	17.5
		6	0	16.89	17.06	17.07	17.5
Bandwidth	Modulation	RB size	RB offset	Channel 19965	Channel 20175	Channel 20385	Tune up
3MHz	QPSK	1	0	17.44	17.2	17.19	17.5
		1	7	16.46	16.46	17.47	17.5
		1	14	17.34	17.2	17.14	17.5
		8	0	17.27	17.22	17.25	17.5
		8	4	17.05	17.05	16.73	17.5
		8	7	17.21	17.35	17.09	17.5
		15	0	17.24	17.23	17.11	17.5
	16QAM	1	0	17.44	17.39	17.47	17.5
		1	7	17.01	16.6	16.09	17.5
		1	14	17.44	17.41	17.43	17.5
		8	0	17.27	17.08	17.16	17.5
		8	4	17.28	17.31	17.3	17.5
		8	7	17.23	17.24	16.79	17.5
		15	0	17.37	17.19	17.01	17.5
	64QAM	1	0	17.39	17.14	16.86	17.5
		1	7	16.8	16.85	16.95	17.5
		1	14	17.29	17.06	17.15	17.5
		8	0	17.07	17.01	16.88	17.5

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		8	4	16.82	16.75	16.69	17.5
		8	7	17.11	17.23	17.01	17.5
		15	0	16.93	17.01	17.11	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	17.45	17.17	17.16	17.5
		1	13	17.16	17.12	17.05	17.5
		1	24	17.19	17.29	17.14	17.5
		12	0	17.29	17.19	17.18	17.5
		12	6	17.33	17.31	17.16	17.5
		12	13	17.29	17.32	17.2	17.5
		25	0	17.32	17.37	17.16	17.5
	16QAM	1	0	17.38	17.3	17.25	17.5
		1	13	17.36	17.37	17.36	17.5
		1	24	17.31	17.29	17.32	17.5
		12	0	17.44	17.3	17.17	17.5
		12	6	17.35	17.16	17.12	17.5
		12	13	17.35	17.29	17.11	17.5
		25	0	17.23	17.21	17.09	17.5
	64QAM	1	0	17.36	17.19	16.9	17.5
		1	13	16.81	16.84	16.95	17.5
		1	24	17.23	17.06	17.17	17.5
		12	0	17.02	17.03	16.88	17.5
		12	6	16.8	16.74	16.65	17.5
		12	13	17.1	17.18	16.99	17.5
		25	0	16.89	17.04	17.1	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	17.33	17.26	17.18	17.5
		1	25	17.04	16.91	17.12	17.5
		1	49	17.21	17.19	16.96	17.5
		25	0	17.28	17.18	17.12	17.5
		25	13	17.22	17.2	17.17	17.5
		25	25	17.18	17.17	17.11	17.5
		50	0	17.28	17.17	17.17	17.5
	16QAM	1	0	17.36	17.39	17.31	17.5
		1	25	17.33	17.01	17.08	17.5
		1	49	17.49	16.44	17.3	17.5
		25	0	17.21	17.17	17.12	17.5
		25	13	17.08	17.2	17.16	17.5
		25	25	17.2	17.16	17.23	17.5
		50	0	17.36	17.12	17.1	17.5
	64QAM	1	0	17.33	17.2	16.89	17.5
		1	25	16.85	16.78	16.91	17.5
		1	49	17.3	17.05	17.14	17.5
		25	0	17	16.99	16.91	17.5
		25	13	16.75	16.76	16.61	17.5

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		25	25	17.14	17.22	16.98	17.5
		50	0	16.92	17.06	17.15	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	17.33	17.34	17.02	17.5
		1	38	17.46	17.37	17.29	17.5
		1	74	17.19	17.07	17.08	17.5
		36	0	17.28	17.22	17.14	17.5
		36	18	17.3	17.25	17.28	17.5
		36	39	17.23	17.23	17.09	17.5
		75	0	17.29	17.27	17.16	17.5
	16QAM	1	0	17.29	17.13	17.33	17.5
		1	38	17.31	17.33	17.35	17.5
		1	74	17.23	17.26	17.29	17.5
		36	0	17.36	17.19	17.15	17.5
		36	18	17.14	17.2	17.18	17.5
		36	39	17.31	17.17	17.04	17.5
		75	0	17.22	17.21	17.1	17.5
	64QAM	1	0	17.4	17.17	16.94	17.5
		1	38	16.81	16.83	16.9	17.5
		1	74	17.3	17.11	17.17	17.5
		36	0	17.07	16.98	16.86	17.5
		36	18	16.75	16.71	16.69	17.5
		36	39	17.09	17.16	16.97	17.5
		75	0	16.88	17.03	17.15	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	17.35	17.47	17.23	17.5
		1	50	16.66	16.78	16.37	17.5
		1	99	17.33	17.14	17.09	17.5
		50	0	17.36	17.24	17.25	17.5
		50	25	17.3	17.19	17.13	17.5
		50	50	17.22	17.2	17.2	17.5
		100	0	17.32	17.28	17.27	17.5
	16QAM	1	0	17.39	17.37	17.32	17.5
		1	50	17.24	17.27	17.22	17.5
		1	99	17.28	17.33	17.23	17.5
		50	0	17.24	17.14	17.19	17.5
		50	25	17.26	17.19	17.11	17.5
		50	50	17.14	17.09	17.03	17.5
		100	0	17.24	17.13	17.1	17.5

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	64QAM	1	0	17.31	17.18	16.95	17.5
		1	50	16.85	16.86	17	17.5
		1	99	17.29	17.14	17.16	17.5
		50	0	17.03	17.03	16.85	17.5
		50	25	16.75	16.69	16.69	17.5
		50	50	17.1	17.2	16.94	17.5
		100	0	16.86	17.03	17.09	17.5

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LTE Band 4 Receiver on(Right head) + WiFi2.4G Ant1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 19957	Channel 20175	Channel 20393	Tune up
1.4MHz	QPSK	1	0	14.91	14.77	14.45	15
		1	2	13.89	14.66	13.88	15
		1	5	14.84	14.74	14.62	15
		3	0	14.65	14.86	14.47	15
		3	2	13.94	14.48	14.12	15
		3	3	14.97	14.64	14.66	15
		6	0	14.35	14.49	14.16	15
	16QAM	1	0	14.89	14.87	14.92	15
		1	2	14.96	13.83	14.92	15
		1	5	14.54	14.49	14.73	15
		3	0	14.52	14.66	14.46	15
		3	2	14.85	14.62	14.39	15
		3	3	14.59	14.58	14.21	15
		6	0	14.41	14.93	14.55	15
	64QAM	1	0	14.8	14.6	14.42	15
		1	2	14.34	14.31	14.47	15
		1	5	14.71	14.58	14.61	15
		3	0	14.52	14.46	14.34	15
		3	2	14.23	14.12	14.17	15
		3	3	14.54	14.67	14.43	15
		6	0	14.35	14.46	14.55	15
Bandwidth	Modulation	RB size	RB offset	Channel 19965	Channel 20175	Channel 20385	Tune up
3MHz	QPSK	1	0	14.93	14.73	14.63	15
		1	7	13.37	14.29	14.16	15
		1	14	14.76	14.82	14.54	15
		8	0	14.81	14.76	14.68	15
		8	4	14.73	14.6	14.64	15
		8	7	14.65	14.78	14.53	15
		15	0	14.76	14.86	14.62	15
	16QAM	1	0	14.95	14.93	14.97	15
		1	7	14.58	14.81	13.79	15
		1	14	14.88	14.87	14.93	15
		8	0	14.58	14.76	14.69	15
		8	4	14.5	14.74	14.51	15
		8	7	14.73	14.42	14.5	15
		15	0	14.72	14.6	14.77	15
	64QAM	1	0	14.79	14.67	14.4	15
		1	7	14.3	14.33	14.45	15
		1	14	14.72	14.62	14.64	15
		8	0	14.47	14.46	14.29	15

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		8	4	14.2	14.12	14.17	15
		8	7	14.56	14.69	14.41	15
		15	0	14.31	14.48	14.52	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	14.94	14.57	14.62	15
		1	13	14.87	14.72	14.53	15
		1	24	14.66	14.74	14.52	15
		12	0	14.81	14.72	14.61	15
		12	6	14.8	14.69	14.7	15
		12	13	14.73	14.74	14.68	15
		25	0	14.66	14.7	14.6	15
	16QAM	1	0	14.83	14.85	14.99	15
		1	13	14.78	14.5	14.85	15
		1	24	14.74	14.69	14.63	15
		12	0	14.7	14.84	14.54	15
		12	6	14.66	14.55	14.58	15
		12	13	14.71	14.74	14.56	15
		25	0	14.74	14.6	14.46	15
	64QAM	1	0	14.8	14.66	14.44	15
		1	13	14.31	14.35	14.49	15
		1	24	14.77	14.59	14.63	15
		12	0	14.52	14.48	14.33	15
		12	6	14.19	14.17	14.16	15
		12	13	14.59	14.7	14.36	15
		25	0	14.35	14.5	14.53	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	14.92	14.66	14.72	15
		1	25	14.03	14.2	14.58	15
		1	49	14.87	14.51	14.52	15
		25	0	14.81	14.7	14.67	15
		25	13	14.8	14.66	14.61	15
		25	25	14.77	14.72	14.72	15
		50	0	14.84	14.7	14.6	15
	16QAM	1	0	14.92	14.96	14.94	15
		1	25	14.64	13.92	14.83	15
		1	49	14.87	14.89	14.85	15
		25	0	14.77	14.65	14.54	15
		25	13	14.65	14.7	14.58	15
		25	25	14.72	14.61	14.55	15
		50	0	14.69	14.56	14.59	15
	64QAM	1	0	14.77	14.65	14.42	15
		1	25	14.29	14.29	14.49	15
		1	49	14.73	14.64	14.65	15
		25	0	14.49	14.48	14.34	15
		25	13	14.23	14.11	14.13	15

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		25	25	14.58	14.68	14.41	15
		50	0	14.35	14.47	14.55	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	14.83	14.72	14.6	15
		1	38	14.94	14.81	14.74	15
		1	74	14.66	14.64	14.5	15
		36	0	14.85	14.78	14.73	15
		36	18	14.84	14.68	14.77	15
		36	39	14.69	14.65	14.59	15
		75	0	14.69	14.68	14.64	15
	16QAM	1	0	14.93	14.89	14.91	15
		1	38	14.86	14.84	14.9	15
		1	74	14.84	14.78	14.64	15
		36	0	14.71	14.73	14.48	15
		36	18	14.73	14.63	14.63	15
		36	39	14.64	14.71	14.58	15
		75	0	14.64	14.46	14.61	15
	64QAM	1	0	14.79	14.61	14.43	15
		1	38	14.31	14.34	14.43	15
		1	74	14.79	14.61	14.61	15
		36	0	14.52	14.5	14.28	15
		36	18	14.2	14.12	14.15	15
		36	39	14.56	14.66	14.4	15
		75	0	14.34	14.49	14.56	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	14.97	14.97	14.82	15
		1	50	14.32	14.54	14.98	15
		1	99	14.68	14.64	14.68	15
		50	0	14.81	14.75	14.62	15
		50	25	14.77	14.63	14.61	15
		50	50	14.76	14.6	14.67	15
		100	0	14.71	14.74	14.63	15
	16QAM	1	0	14.93	14.91	14.89	15
		1	50	14.94	14.98	14.88	15
		1	99	14.88	14.92	14.9	15
		50	0	14.76	14.73	14.65	15
		50	25	14.59	14.65	14.63	15
		50	50	14.57	14.56	14.51	15
		100	0	14.7	14.54	14.55	15

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	64QAM	1	0	14.78	14.66	14.37	15
		1	50	14.31	14.35	14.48	15
		1	99	14.76	14.63	14.65	15
		50	0	14.49	14.5	14.3	15
		50	25	14.22	14.18	14.15	15
		50	50	14.57	14.63	14.39	15
		100	0	14.33	14.52	14.57	15

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LTE Band 4 Receiver off + WiFi2.4G Ant1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	18.45	18.33	18.19	18.5
		1	2	17.93	17.77	17.48	18.5
		1	5	18.39	18.34	18.17	18.5
		3	0	18.08	18.16	18.02	18.5
		3	2	17.76	18.28	18.16	18.5
		3	3	18.26	17.54	18.09	18.5
		6	0	18.25	18.14	18.23	18.5
	16QAM	1	0	18.35	18.46	18.33	18.5
		1	2	18.37	18.12	18.48	18.5
		1	5	18.36	17.78	18.47	18.5
		3	0	18.3	18.32	18.12	18.5
		3	2	17.77	18.02	17.35	18.5
		3	3	18.22	18.22	18.06	18.5
		6	0	18.28	18.22	18.02	18.5
	64QAM	1	0	18.32	18.16	18.02	18.5
		1	2	17.92	17.85	18	18.5
		1	5	18.28	18.13	18.13	18.5
		3	0	18.06	18.02	17.9	18.5
		3	2	17.77	17.71	17.71	18.5
		3	3	18.07	18.19	17.97	18.5
		6	0	17.86	18.03	18.08	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	18.27	18.09	18.07	18.5
		1	7	17.63	17.5	18.27	18.5
		1	14	18.23	18.15	18.07	18.5
		8	0	18.31	18.13	18.25	18.5
		8	4	17.86	17.96	18.09	18.5
		8	7	18.27	18.29	18.41	18.5
		15	0	18.35	18.18	18.12	18.5
	16QAM	1	0	18.37	18.33	18.39	18.5
		1	7	18.17	17.72	18.34	18.5
		1	14	18.34	18.3	18.14	18.5
		8	0	18.29	18.14	17.8	18.5
		8	4	18.17	18.26	17.94	18.5
		8	7	18.21	18.06	18.19	18.5
		15	0	18.3	18.2	17.95	18.5
	64QAM	1	0	18.32	18.16	18.02	18.5
		1	7	17.92	17.85	18	18.5
		1	14	18.28	18.13	18.13	18.5
		8	0	18.06	18.02	17.9	18.5

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		8	4	17.77	17.71	17.71	18.5
		8	7	18.07	18.19	17.97	18.5
		15	0	17.86	18.03	18.08	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	18.23	18.21	18.04	18.5
		1	13	18.39	18.39	18.11	18.5
		1	24	18.13	18.13	18.04	18.5
		12	0	18.36	18.32	18.18	18.5
		12	6	18.33	18.16	18.12	18.5
		12	13	18.25	18.32	18.1	18.5
		25	0	18.27	18.23	18.12	18.5
	16QAM	1	0	18.35	18.37	18.31	18.5
		1	13	18.29	18.32	18.17	18.5
		1	24	18.32	18.3	18.15	18.5
		12	0	18.4	18.25	18.23	18.5
		12	6	18.19	18.2	18.23	18.5
		12	13	18.2	18.2	18.14	18.5
		25	0	18.29	18.22	18.02	18.5
	64QAM	1	0	18.32	18.16	18.02	18.5
		1	13	17.92	17.85	18	18.5
		1	24	18.28	18.13	18.13	18.5
		12	0	18.06	18.02	17.9	18.5
		12	6	17.77	17.71	17.71	18.5
		12	13	18.07	18.19	17.97	18.5
		25	0	17.86	18.03	18.08	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	18.25	18.33	18.35	18.5
		1	25	18.17	18.16	18.21	18.5
		1	49	18.14	18.11	18.04	18.5
		25	0	18.35	18.21	18.25	18.5
		25	13	18.21	18.25	18.24	18.5
		25	25	18.21	18.26	18.16	18.5
		50	0	18.22	18.3	18.12	18.5
	16QAM	1	0	18.2	18.36	18.38	18.5
		1	25	18.39	18.41	18.34	18.5
		1	49	18.37	18.36	18.21	18.5
		25	0	18.15	18.23	18.08	18.5
		25	13	18.15	18.29	18.15	18.5
		25	25	18.35	18.22	18.06	18.5
		50	0	18.12	18.15	18.1	18.5
	64QAM	1	0	18.32	18.16	18.02	18.5
		1	25	17.92	17.85	18	18.5
		1	49	18.28	18.13	18.13	18.5
		25	0	18.06	18.02	17.9	18.5
		25	13	17.77	17.71	17.71	18.5

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		25	25	18.07	18.19	17.97	18.5
		50	0	17.86	18.03	18.08	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	18.06	18.32	18.2	18.5
		1	38	18.06	17.94	17.94	18.5
		1	74	18.19	17.95	17.85	18.5
		36	0	18.29	18.19	18.22	18.5
		36	18	18.21	18.22	18.26	18.5
		36	39	18.17	18.19	18.18	18.5
		75	0	18.34	18.22	18.12	18.5
	16QAM	1	0	18.48	18.31	18.39	18.5
		1	38	18.38	18.28	18.25	18.5
		1	74	18.39	18.33	18.36	18.5
		36	0	18.19	18.23	18.16	18.5
		36	18	18.12	18.18	18.07	18.5
		36	39	18.26	18.15	18.09	18.5
		75	0	18.14	18.06	18.1	18.5
	64QAM	1	0	18.32	18.16	18.02	18.5
		1	38	17.92	17.85	18	18.5
		1	74	18.28	18.13	18.13	18.5
		36	0	18.06	18.02	17.9	18.5
		36	18	17.77	17.71	17.71	18.5
		36	39	18.07	18.19	17.97	18.5
		75	0	17.86	18.03	18.08	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	18.35	18.38	18.33	18.5
		1	50	18.44	18.41	18.08	18.5
		1	99	18.28	18.28	18.06	18.5
		50	0	18.36	18.21	18.21	18.5
		50	25	18.21	18.26	18.22	18.5
		50	50	18.25	18.26	18.15	18.5
		100	0	18.32	18.19	18.22	18.5
	16QAM	1	0	18.22	18.33	18.38	18.5
		1	50	18.01	17.67	17.65	18.5
		1	99	18.42	18.42	18.45	18.5
		50	0	18.27	18.17	18.14	18.5
		50	25	18.13	18.26	18.12	18.5
		50	50	18.13	18.1	18.08	18.5
		100	0	18.24	18.1	18.15	18.5

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	64QAM	1	0	18.32	18.16	18.02	18.5
		1	50	17.92	17.85	18	18.5
		1	99	18.28	18.13	18.13	18.5
		50	0	18.06	18.02	17.9	18.5
		50	25	17.77	17.71	17.71	18.5
		50	50	18.07	18.19	17.97	18.5
		100	0	17.86	18.03	18.08	18.5

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LTE Band 4 Receiver on(Left head) + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 19957	Channel 20175	Channel 20393	Tune up
1.4MHz	QPSK	1	0	15.37	15.3	15.1	15.5
		1	2	14.27	13.99	14.05	15.5
		1	5	15.35	15.03	15.07	15.5
		3	0	14.86	15.36	15.14	15.5
		3	2	15.29	15.13	15.37	15.5
		3	3	15.22	14.78	14.96	15.5
		6	0	15.14	15.4	15.07	15.5
	16QAM	1	0	15.42	15.18	15.23	15.5
		1	2	15.11	15.06	15.19	15.5
		1	5	15.34	15.29	15.3	15.5
		3	0	15.35	15.22	15.11	15.5
		3	2	14.79	15.01	14.64	15.5
		3	3	15.01	15.2	14.68	15.5
		6	0	15.4	15.24	15.12	15.5
	64QAM	1	0	15.41	15.2	15.12	15.5
		1	2	14.96	14.92	15.01	15.5
		1	5	15.38	15.16	15.14	15.5
		3	0	15.15	15.09	14.97	15.5
		3	2	14.85	14.72	14.8	15.5
		3	3	15.1	15.21	15.02	15.5
		6	0	14.91	15.09	15.16	15.5
Bandwidth	Modulation	RB size	RB offset	Channel 19965	Channel 20175	Channel 20385	Tune up
3MHz	QPSK	1	0	15.25	15.16	15.12	15.5
		1	7	15.47	15.39	14.36	15.5
		1	14	15.31	15.24	15.14	15.5
		8	0	15.31	15.15	15.06	15.5
		8	4	15.11	15.32	14.97	15.5
		8	7	15.27	15.27	15.18	15.5
		15	0	15.26	15.27	15.12	15.5
	16QAM	1	0	15.4	15.38	15.2	15.5
		1	7	15	15.2	15.07	15.5
		1	14	15.3	15.22	15.29	15.5
		8	0	14.93	15.22	15.02	15.5
		8	4	15.36	15.3	15.09	15.5
		8	7	15.11	15.26	15.33	15.5
		15	0	15.3	15.05	15.04	15.5
	64QAM	1	0	15.37	15.19	15.07	15.5
		1	7	15.01	14.86	15.07	15.5
		1	14	15.32	15.15	15.19	15.5
		8	0	15.15	15.07	14.93	15.5

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		8	4	14.84	14.8	14.8	15.5
		8	7	15.16	15.21	15.03	15.5
		15	0	14.89	15.07	15.15	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	15.37	15.17	15.18	15.5
		1	13	15.31	15.19	15.03	15.5
		1	24	15.13	15.08	15.14	15.5
		12	0	15.43	15.21	15.2	15.5
		12	6	15.23	15.17	14.92	15.5
		12	13	15.28	15.21	15.1	15.5
		25	0	15.2	15.26	15.06	15.5
	16QAM	1	0	15.47	15.37	15.35	15.5
		1	13	15.31	15.22	15.26	15.5
		1	24	15.33	15.34	15.23	15.5
		12	0	15.16	15.22	15.15	15.5
		12	6	15.19	15.24	15.11	15.5
		12	13	15.3	15.22	15.12	15.5
		25	0	15.24	15.16	15	15.5
	64QAM	1	0	15.41	15.22	15.07	15.5
		1	13	14.99	14.9	15.07	15.5
		1	24	15.33	15.15	15.22	15.5
		12	0	15.09	15.06	14.98	15.5
		12	6	14.8	14.73	14.71	15.5
		12	13	15.12	15.21	15.03	15.5
		25	0	14.92	15.04	15.16	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	15.19	15.1	15.2	15.5
		1	25	15.32	14.4	15.19	15.5
		1	49	15.18	15.21	15.12	15.5
		25	0	15.29	15.21	15.16	15.5
		25	13	15.29	15.25	15.1	15.5
		25	25	15.2	15.24	15.06	15.5
		50	0	15.25	15.22	15.1	15.5
	16QAM	1	0	15.31	15.3	15.22	15.5
		1	25	15.27	15.26	15.24	15.5
		1	49	15.38	15.21	15.4	15.5
		25	0	15.29	15.2	15.1	15.5
		25	13	15.36	15.09	15.16	15.5
		25	25	15.12	15.13	15.12	15.5
		50	0	15.2	15.06	15.04	15.5
	64QAM	1	0	15.35	15.26	15.08	15.5
		1	25	14.96	14.89	15.07	15.5
		1	49	15.37	15.13	15.18	15.5
		25	0	15.13	15.05	14.95	15.5
		25	13	14.82	14.77	14.78	15.5

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		25	25	15.09	15.26	15.01	15.5
		50	0	14.92	15.09	15.13	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	15.08	15.17	15.17	15.5
		1	38	14.95	15.29	15.22	15.5
		1	74	15.26	15.19	15.05	15.5
		36	0	15.41	15.21	15.16	15.5
		36	18	15.28	15.27	15.21	15.5
		36	39	15.3	15.25	15.15	15.5
		75	0	15.2	15.28	15.19	15.5
	16QAM	1	0	15.3	15.25	15.19	15.5
		1	38	15.24	15.44	15.34	15.5
		1	74	15.12	15.38	15.34	15.5
		36	0	15.28	15.23	15.07	15.5
		36	18	15.18	15.3	15.02	15.5
		36	39	15.29	15.1	15.05	15.5
		75	0	15.19	15.15	15	15.5
	64QAM	1	0	15.42	15.19	15.09	15.5
		1	38	14.94	14.87	15.07	15.5
		1	74	15.31	15.17	15.14	15.5
		36	0	15.1	15.03	15	15.5
		36	18	14.8	14.77	14.79	15.5
		36	39	15.15	15.2	15.05	15.5
		75	0	14.87	15.1	15.14	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	15.43	15.43	15.32	15.5
		1	50	15.18	15.38	15.34	15.5
		1	99	15.18	15.12	15.17	15.5
		50	0	15.36	15.35	15.17	15.5
		50	25	15.25	15.21	15.12	15.5
		50	50	15.21	15.18	15.12	15.5
		100	0	15.26	15.18	15.15	15.5
	16QAM	1	0	15.31	15.34	15.25	15.5
		1	50	14.62	14.63	15.35	15.5
		1	99	15.09	15.37	15.35	15.5
		50	0	15.29	15.22	15.13	15.5
		50	25	15.26	15.08	15.1	15.5
		50	50	15.13	15.17	15.04	15.5
		100	0	15.21	15.18	15.13	15.5

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	64QAM	1	0	15.38	15.19	15.08	15.5
		1	50	15.01	14.9	15.05	15.5
		1	99	15.32	15.2	15.16	15.5
		50	0	15.12	15.12	14.91	15.5
		50	25	14.77	14.75	14.78	15.5
		50	50	15.11	15.26	15.04	15.5
		100	0	14.95	15.11	15.13	15.5

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LTE Band 4 Receiver on(Right head) + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	12.68	12.92	12.64	13
		1	2	12.69	12.56	12.1	13
		1	5	12.82	12.82	12.53	13
		3	0	12.78	12.49	12.57	13
		3	2	12.89	12.6	12.66	13
		3	3	12.7	12.45	12.48	13
		6	0	12.89	12.65	12.86	13
	16QAM	1	0	12.91	12.83	12.79	13
		1	2	12.52	12.65	12.4	13
		1	5	12.86	12.83	12.85	13
		3	0	12.63	12.65	12.78	13
		3	2	12.72	12.8	12.16	13
		3	3	12.49	12.65	12.54	13
		6	0	12.97	12.64	12.44	13
	64QAM	1	0	12.86	12.69	12.5	13
		1	2	12.46	12.38	12.47	13
		1	5	12.8	12.62	12.62	13
		3	0	12.57	12.58	12.39	13
		3	2	12.22	12.17	12.26	13
		3	3	12.55	12.74	12.53	13
		6	0	12.43	12.55	12.56	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	12.84	12.6	12.64	13
		1	7	12.58	12.34	12.25	13
		1	14	12.65	12.81	12.59	13
		8	0	12.79	12.6	12.5	13
		8	4	12.73	12.83	12.68	13
		8	7	12.82	12.62	12.56	13
		15	0	12.79	12.71	12.66	13
	16QAM	1	0	12.99	12.84	12.6	13
		1	7	12.86	12.46	11.87	13
		1	14	12.88	12.76	12.67	13
		8	0	12.63	12.6	12.63	13
		8	4	12.4	12.8	12.29	13
		8	7	12.76	12.66	12.48	13
		15	0	12.59	12.62	12.64	13
	64QAM	1	0	12.85	12.66	12.54	13
		1	7	12.41	12.32	12.49	13
		1	14	12.75	12.68	12.61	13
		8	0	12.59	12.54	12.39	13

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		8	4	12.27	12.18	12.22	13
		8	7	12.52	12.72	12.47	13
		15	0	12.38	12.59	12.58	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	12.85	12.78	12.63	13
		1	13	12.78	12.71	12.66	13
		1	24	12.68	12.71	12.66	13
		12	0	12.82	12.71	12.58	13
		12	6	12.73	12.7	12.65	13
		12	13	12.75	12.68	12.62	13
		25	0	12.85	12.72	12.58	13
	16QAM	1	0	12.54	12.52	12.56	13
		1	13	12.95	12.91	12.55	13
		1	24	12.97	12.99	12.85	13
		12	0	12.86	12.76	12.53	13
		12	6	12.86	12.55	12.58	13
		12	13	12.84	12.78	12.65	13
		25	0	12.8	12.69	12.5	13
	64QAM	1	0	12.81	12.64	12.51	13
		1	13	12.49	12.37	12.54	13
		1	24	12.73	12.69	12.59	13
		12	0	12.56	12.58	12.31	13
		12	6	12.19	12.25	12.21	13
		12	13	12.51	12.66	12.46	13
		25	0	12.43	12.53	12.62	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	12.85	12.64	12.67	13
		1	25	12.53	12.13	11.77	13
		1	49	12.76	12.6	12.56	13
		25	0	12.75	12.63	12.73	13
		25	13	12.66	12.55	12.64	13
		25	25	12.78	12.6	12.6	13
		50	0	12.86	12.72	12.57	13
	16QAM	1	0	12.95	12.93	12.9	13
		1	25	12.91	12.85	12.94	13
		1	49	12.81	12.79	12.76	13
		25	0	12.72	12.74	12.54	13
		25	13	12.57	12.66	12.57	13
		25	25	12.72	12.51	12.59	13
		50	0	12.65	12.57	12.58	13
	64QAM	1	0	12.82	12.61	12.57	13
		1	25	12.47	12.33	12.46	13
		1	49	12.77	12.6	12.6	13
		25	0	12.53	12.6	12.37	13
		25	13	12.2	12.17	12.21	13

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		25	25	12.56	12.75	12.49	13
		50	0	12.4	12.56	12.62	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	12.71	12.53	12.75	13
		1	38	12.85	12.79	12.73	13
		1	74	12.72	12.62	12.43	13
		36	0	12.89	12.74	12.67	13
		36	18	12.8	12.84	12.67	13
		36	39	12.76	12.7	12.64	13
		75	0	12.83	12.64	12.66	13
	16QAM	1	0	12.99	12.73	12.81	13
		1	38	12.89	12.55	12.91	13
		1	74	12.82	12.47	12.63	13
		36	0	12.7	12.67	12.59	13
		36	18	12.61	12.61	12.65	13
		36	39	12.52	12.58	12.63	13
		75	0	12.76	12.6	12.57	13
	64QAM	1	0	12.84	12.61	12.56	13
		1	38	12.42	12.32	12.5	13
		1	74	12.8	12.6	12.62	13
		36	0	12.61	12.6	12.32	13
		36	18	12.23	12.24	12.27	13
		36	39	12.56	12.73	12.48	13
		75	0	12.37	12.6	12.61	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	12.97	12.88	12.75	13
		1	50	12.76	12.86	12.43	13
		1	99	12.64	12.67	12.63	13
		50	0	12.8	12.73	12.68	13
		50	25	12.85	12.7	12.5	13
		50	50	12.71	12.65	12.59	13
		100	0	12.71	12.69	12.69	13
	16QAM	1	0	12.89	12.91	12.92	13
		1	50	12.84	12.86	12.72	13
		1	99	12.82	12.94	12.78	13
		50	0	12.76	12.64	12.6	13
		50	25	12.51	12.58	12.64	13
		50	50	12.49	12.63	12.54	13
		100	0	12.65	12.64	12.63	13

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	64QAM	1	0	12.82	12.67	12.56	13
		1	50	12.5	12.33	12.53	13
		1	99	12.76	12.62	12.6	13
		50	0	12.57	12.61	12.37	13
		50	25	12.23	12.2	12.22	13
		50	50	12.53	12.72	12.49	13
		100	0	12.43	12.6	12.54	13

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LTE Band 4 Receiver off + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	16.26	16.32	16.14	16.5
		1	2	16.37	16.19	16.24	16.5
		1	5	16.27	15.96	15.99	16.5
		3	0	16.23	15.65	15.98	16.5
		3	2	16.15	16.31	15.68	16.5
		3	3	15.88	16.29	15.95	16.5
		6	0	16.25	16.11	15.97	16.5
	16QAM	1	0	16.38	16.14	16	16.5
		1	2	16.06	16.2	15.53	16.5
		1	5	16.32	16.23	16.35	16.5
		3	0	16.44	15.95	16.16	16.5
		3	2	15.79	16.2	16.37	16.5
		3	3	16.38	16.39	16.27	16.5
		6	0	16.46	16.18	16.12	16.5
	64QAM	1	0	16.25	16.1	16.05	16.5
		1	2	15.96	15.79	15.98	16.5
		1	5	16.18	16.1	16.09	16.5
		3	0	16.02	16.08	15.78	16.5
		3	2	15.72	15.63	15.65	16.5
		3	3	16.03	16.21	15.98	16.5
		6	0	15.84	16.09	15.96	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	16.48	16.19	16.16	16.5
		1	7	16.32	15.7	14.23	16.5
		1	14	16.24	16.17	16.12	16.5
		8	0	16.16	15.83	16.12	16.5
		8	4	16.21	16.36	16.15	16.5
		8	7	16.17	16.23	16	16.5
		15	0	16.29	16.14	16.2	16.5
	16QAM	1	0	16.34	16.41	16.37	16.5
		1	7	16.42	15.43	16.28	16.5
		1	14	16.33	16.36	15.9	16.5
		8	0	16.15	16.43	15.92	16.5
		8	4	16.03	16.2	15.53	16.5
		8	7	16.25	16.11	16.06	16.5
		15	0	16.36	16.2	16.19	16.5
	64QAM	1	0	16.25	16.11	16.03	16.5
		1	7	15.96	15.75	15.95	16.5
		1	14	16.24	16.07	16.07	16.5
		8	0	15.99	16.09	15.84	16.5

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		8	4	15.68	15.69	15.65	16.5
		8	7	15.97	16.22	15.92	16.5
		15	0	15.85	16.05	15.99	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	16.33	16.01	16.18	16.5
		1	13	16.17	16.23	16.17	16.5
		1	24	16.26	16.3	16.14	16.5
		12	0	16.36	16.3	16.13	16.5
		12	6	16.42	16.29	16.2	16.5
		12	13	16.28	16.3	16.18	16.5
		25	0	16.44	16.22	16.13	16.5
	16QAM	1	0	16.34	16.38	16.34	16.5
		1	13	16.34	16.41	16.42	16.5
		1	24	16.02	15.89	15.88	16.5
		12	0	16.42	16.24	16.11	16.5
		12	6	16.41	16.49	16.25	16.5
		12	13	16.26	16.07	16	16.5
		25	0	16.19	16.29	16.04	16.5
	64QAM	1	0	16.3	16.13	15.99	16.5
		1	13	15.93	15.8	16	16.5
		1	24	16.25	16.05	16.08	16.5
		12	0	15.98	16.02	15.85	16.5
		12	6	15.71	15.66	15.68	16.5
		12	13	15.99	16.16	15.99	16.5
		25	0	15.9	16.03	16.01	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	16.39	16.05	16.34	16.5
		1	25	15.51	15.66	15.73	16.5
		1	49	16.23	16.09	16.19	16.5
		25	0	16.33	16.23	16.24	16.5
		25	13	16.2	16.28	16.18	16.5
		25	25	16.36	16.21	16.15	16.5
		50	0	16.34	16.22	16.19	16.5
	16QAM	1	0	16.35	16.32	16.3	16.5
		1	25	16.21	15.8	16.31	16.5
		1	49	16.26	16.22	16.23	16.5
		25	0	16.31	16.11	16.1	16.5
		25	13	16.17	16.17	16.17	16.5
		25	25	16.18	16.07	16.09	16.5
		50	0	16.22	16.07	16.12	16.5
	64QAM	1	0	16.29	16.17	15.96	16.5
		1	25	15.98	15.75	15.96	16.5
		1	49	16.21	16.06	16.04	16.5
		25	0	16.07	16.1	15.83	16.5
		25	13	15.69	15.67	15.63	16.5

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		25	25	15.99	16.19	15.96	16.5
		50	0	15.86	16.09	15.95	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	16.22	16.33	16.23	16.5
		1	38	16.3	16.34	16.01	16.5
		1	74	16.25	15.89	16.04	16.5
		36	0	16.28	16.32	16.32	16.5
		36	18	16.32	16.21	16.24	16.5
		36	39	16.27	16.17	16.19	16.5
		75	0	16.23	16.25	16.1	16.5
	16QAM	1	0	16.37	16.23	16.32	16.5
		1	38	16.24	16.39	15.98	16.5
		1	74	16.25	15.93	16.19	16.5
		36	0	16.17	16.19	16.09	16.5
		36	18	16.21	16.11	16.05	16.5
		36	39	16.24	16.15	16.16	16.5
		75	0	16.13	16.12	16.16	16.5
	64QAM	1	0	16.28	16.08	16.01	16.5
		1	38	15.91	15.8	15.98	16.5
		1	74	16.24	16.11	16.06	16.5
		36	0	16.03	16.05	15.8	16.5
		36	18	15.73	15.69	15.68	16.5
		36	39	16.02	16.19	15.92	16.5
		75	0	15.88	16.04	15.97	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	16.4	16.41	16.25	16.5
		1	50	15.65	15.36	16.36	16.5
		1	99	16.16	15.99	16.18	16.5
		50	0	16.4	16.23	16.14	16.5
		50	25	16.31	16.19	16.16	16.5
		50	50	16.2	16.2	16.08	16.5
		100	0	16.27	16.12	16.16	16.5
	16QAM	1	0	16.33	16.31	16.38	16.5
		1	50	16.44	15.49	15.81	16.5
		1	99	16.38	16.41	16.3	16.5
		50	0	16.13	16.13	16.09	16.5
		50	25	16.14	16.16	16.12	16.5
		50	50	16.13	16.09	16.01	16.5
		100	0	16.25	16.07	16.1	16.5

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	64QAM	1	0	16.31	16.17	15.97	16.5
		1	50	15.91	15.77	15.99	16.5
		1	99	16.22	16.06	16.08	16.5
		50	0	16.03	16.01	15.78	16.5
		50	25	15.65	15.6	15.64	16.5
		50	50	15.98	16.15	15.93	16.5
		100	0	15.9	16.1	15.99	16.5

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LTE Band 4 Receiver on(Left head) + BT + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	15.37	15.3	15.1	15.5
		1	2	14.27	13.99	14.05	15.5
		1	5	15.35	15.03	15.07	15.5
		3	0	14.86	15.36	15.14	15.5
		3	2	15.29	15.13	15.37	15.5
		3	3	15.22	14.78	14.96	15.5
		6	0	15.14	15.4	15.07	15.5
	16QAM	1	0	15.42	15.18	15.23	15.5
		1	2	15.11	15.06	15.19	15.5
		1	5	15.34	15.29	15.3	15.5
		3	0	15.35	15.22	15.11	15.5
		3	2	14.79	15.01	14.64	15.5
		3	3	15.01	15.2	14.68	15.5
		6	0	15.4	15.24	15.12	15.5
	64QAM	1	0	15.41	15.2	15.12	15.5
		1	2	14.96	14.92	15.01	15.5
		1	5	15.38	15.16	15.14	15.5
		3	0	15.15	15.09	14.97	15.5
		3	2	14.85	14.72	14.8	15.5
		3	3	15.1	15.21	15.02	15.5
		6	0	14.91	15.09	15.16	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	15.25	15.16	15.12	15.5
		1	7	15.47	15.39	14.36	15.5
		1	14	15.31	15.24	15.14	15.5
		8	0	15.31	15.15	15.06	15.5
		8	4	15.11	15.32	14.97	15.5
		8	7	15.27	15.27	15.18	15.5
		15	0	15.26	15.27	15.12	15.5
	16QAM	1	0	15.4	15.38	15.2	15.5
		1	7	15	15.2	15.07	15.5
		1	14	15.3	15.22	15.29	15.5
		8	0	14.93	15.22	15.02	15.5
		8	4	15.36	15.3	15.09	15.5
		8	7	15.11	15.26	15.33	15.5
		15	0	15.3	15.05	15.04	15.5
	64QAM	1	0	15.37	15.19	15.07	15.5
		1	7	15.01	14.86	15.07	15.5
		1	14	15.32	15.15	15.19	15.5
		8	0	15.15	15.07	14.93	15.5

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		8	4	14.84	14.8	14.8	15.5
		8	7	15.16	15.21	15.03	15.5
		15	0	14.89	15.07	15.15	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	15.37	15.17	15.18	15.5
		1	13	15.31	15.19	15.03	15.5
		1	24	15.13	15.08	15.14	15.5
		12	0	15.43	15.21	15.2	15.5
		12	6	15.23	15.17	14.92	15.5
		12	13	15.28	15.21	15.1	15.5
		25	0	15.2	15.26	15.06	15.5
	16QAM	1	0	15.47	15.37	15.35	15.5
		1	13	15.31	15.22	15.26	15.5
		1	24	15.33	15.34	15.23	15.5
		12	0	15.16	15.22	15.15	15.5
		12	6	15.19	15.24	15.11	15.5
		12	13	15.3	15.22	15.12	15.5
		25	0	15.24	15.16	15	15.5
	64QAM	1	0	15.41	15.22	15.07	15.5
		1	13	14.99	14.9	15.07	15.5
		1	24	15.33	15.15	15.22	15.5
		12	0	15.09	15.06	14.98	15.5
		12	6	14.8	14.73	14.71	15.5
		12	13	15.12	15.21	15.03	15.5
		25	0	14.92	15.04	15.16	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	15.19	15.1	15.2	15.5
		1	25	15.32	14.4	15.19	15.5
		1	49	15.18	15.21	15.12	15.5
		25	0	15.29	15.21	15.16	15.5
		25	13	15.29	15.25	15.1	15.5
		25	25	15.2	15.24	15.06	15.5
		50	0	15.25	15.22	15.1	15.5
	16QAM	1	0	15.31	15.3	15.22	15.5
		1	25	15.27	15.26	15.24	15.5
		1	49	15.38	15.21	15.4	15.5
		25	0	15.29	15.2	15.1	15.5
		25	13	15.36	15.09	15.16	15.5
		25	25	15.12	15.13	15.12	15.5
		50	0	15.2	15.06	15.04	15.5
	64QAM	1	0	15.35	15.26	15.08	15.5
		1	25	14.96	14.89	15.07	15.5
		1	49	15.37	15.13	15.18	15.5
		25	0	15.13	15.05	14.95	15.5
		25	13	14.82	14.77	14.78	15.5

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		25	25	15.09	15.26	15.01	15.5
		50	0	14.92	15.09	15.13	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	15.08	15.17	15.17	15.5
		1	38	14.95	15.29	15.22	15.5
		1	74	15.26	15.19	15.05	15.5
		36	0	15.41	15.21	15.16	15.5
		36	18	15.28	15.27	15.21	15.5
		36	39	15.3	15.25	15.15	15.5
		75	0	15.2	15.28	15.19	15.5
	16QAM	1	0	15.3	15.25	15.19	15.5
		1	38	15.24	15.44	15.34	15.5
		1	74	15.12	15.38	15.34	15.5
		36	0	15.28	15.23	15.07	15.5
		36	18	15.18	15.3	15.02	15.5
		36	39	15.29	15.1	15.05	15.5
		75	0	15.19	15.15	15	15.5
	64QAM	1	0	15.42	15.19	15.09	15.5
		1	38	14.94	14.87	15.07	15.5
		1	74	15.31	15.17	15.14	15.5
		36	0	15.1	15.03	15	15.5
		36	18	14.8	14.77	14.79	15.5
		36	39	15.15	15.2	15.05	15.5
		75	0	14.87	15.1	15.14	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	15.43	15.43	15.32	15.5
		1	50	15.18	15.38	15.34	15.5
		1	99	15.18	15.12	15.17	15.5
		50	0	15.36	15.35	15.17	15.5
		50	25	15.25	15.21	15.12	15.5
		50	50	15.21	15.18	15.12	15.5
		100	0	15.26	15.18	15.15	15.5
	16QAM	1	0	15.31	15.34	15.25	15.5
		1	50	14.62	14.63	15.35	15.5
		1	99	15.09	15.37	15.35	15.5
		50	0	15.29	15.22	15.13	15.5
		50	25	15.26	15.08	15.1	15.5
		50	50	15.13	15.17	15.04	15.5
		100	0	15.21	15.18	15.13	15.5

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	64QAM	1	0	15.38	15.19	15.08	15.5
		1	50	15.01	14.9	15.05	15.5
		1	99	15.32	15.2	15.16	15.5
		50	0	15.12	15.12	14.91	15.5
		50	25	14.77	14.75	14.78	15.5
		50	50	15.11	15.26	15.04	15.5
		100	0	14.95	15.11	15.13	15.5

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LTE Band 4 Receiver on(Right head) + BT + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 19957	Channel 20175	Channel 20393	Tune up
1.4MHz	QPSK	1	0	12.68	12.92	12.64	13
		1	2	12.69	12.56	12.1	13
		1	5	12.82	12.82	12.53	13
		3	0	12.78	12.49	12.57	13
		3	2	12.89	12.6	12.66	13
		3	3	12.7	12.45	12.48	13
		6	0	12.89	12.65	12.86	13
	16QAM	1	0	12.91	12.83	12.79	13
		1	2	12.52	12.65	12.4	13
		1	5	12.86	12.83	12.85	13
		3	0	12.63	12.65	12.78	13
		3	2	12.72	12.8	12.16	13
		3	3	12.49	12.65	12.54	13
		6	0	12.97	12.64	12.44	13
	64QAM	1	0	12.86	12.69	12.5	13
		1	2	12.46	12.38	12.47	13
		1	5	12.8	12.62	12.62	13
		3	0	12.57	12.58	12.39	13
		3	2	12.22	12.17	12.26	13
		3	3	12.55	12.74	12.53	13
		6	0	12.43	12.55	12.56	13
Bandwidth	Modulation	RB size	RB offset	Channel 19965	Channel 20175	Channel 20385	Tune up
3MHz	QPSK	1	0	12.84	12.6	12.64	13
		1	7	12.58	12.34	12.25	13
		1	14	12.65	12.81	12.59	13
		8	0	12.79	12.6	12.5	13
		8	4	12.73	12.83	12.68	13
		8	7	12.82	12.62	12.56	13
		15	0	12.79	12.71	12.66	13
	16QAM	1	0	12.99	12.84	12.6	13
		1	7	12.86	12.46	11.87	13
		1	14	12.88	12.76	12.67	13
		8	0	12.63	12.6	12.63	13
		8	4	12.4	12.8	12.29	13
		8	7	12.76	12.66	12.48	13
		15	0	12.59	12.62	12.64	13
	64QAM	1	0	12.85	12.66	12.54	13
		1	7	12.41	12.32	12.49	13
		1	14	12.75	12.68	12.61	13
		8	0	12.59	12.54	12.39	13

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		8	4	12.27	12.18	12.22	13
		8	7	12.52	12.72	12.47	13
		15	0	12.38	12.59	12.58	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	12.85	12.78	12.63	13
		1	13	12.78	12.71	12.66	13
		1	24	12.68	12.71	12.66	13
		12	0	12.82	12.71	12.58	13
		12	6	12.73	12.7	12.65	13
		12	13	12.75	12.68	12.62	13
		25	0	12.85	12.72	12.58	13
	16QAM	1	0	12.54	12.52	12.56	13
		1	13	12.95	12.91	12.55	13
		1	24	12.97	12.99	12.85	13
		12	0	12.86	12.76	12.53	13
		12	6	12.86	12.55	12.58	13
		12	13	12.84	12.78	12.65	13
		25	0	12.8	12.69	12.5	13
	64QAM	1	0	12.81	12.64	12.51	13
		1	13	12.49	12.37	12.54	13
		1	24	12.73	12.69	12.59	13
		12	0	12.56	12.58	12.31	13
		12	6	12.19	12.25	12.21	13
		12	13	12.51	12.66	12.46	13
		25	0	12.43	12.53	12.62	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	12.85	12.64	12.67	13
		1	25	12.53	12.13	11.77	13
		1	49	12.76	12.6	12.56	13
		25	0	12.75	12.63	12.73	13
		25	13	12.66	12.55	12.64	13
		25	25	12.78	12.6	12.6	13
		50	0	12.86	12.72	12.57	13
	16QAM	1	0	12.95	12.93	12.9	13
		1	25	12.91	12.85	12.94	13
		1	49	12.81	12.79	12.76	13
		25	0	12.72	12.74	12.54	13
		25	13	12.57	12.66	12.57	13
		25	25	12.72	12.51	12.59	13
		50	0	12.65	12.57	12.58	13
	64QAM	1	0	12.82	12.61	12.57	13
		1	25	12.47	12.33	12.46	13
		1	49	12.77	12.6	12.6	13
		25	0	12.53	12.6	12.37	13
		25	13	12.2	12.17	12.21	13

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		25	25	12.56	12.75	12.49	13
		50	0	12.4	12.56	12.62	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	12.71	12.53	12.75	13
		1	38	12.85	12.79	12.73	13
		1	74	12.72	12.62	12.43	13
		36	0	12.89	12.74	12.67	13
		36	18	12.8	12.84	12.67	13
		36	39	12.76	12.7	12.64	13
		75	0	12.83	12.64	12.66	13
	16QAM	1	0	12.99	12.73	12.81	13
		1	38	12.89	12.55	12.91	13
		1	74	12.82	12.47	12.63	13
		36	0	12.7	12.67	12.59	13
		36	18	12.61	12.61	12.65	13
		36	39	12.52	12.58	12.63	13
		75	0	12.76	12.6	12.57	13
	64QAM	1	0	12.84	12.61	12.56	13
		1	38	12.42	12.32	12.5	13
		1	74	12.8	12.6	12.62	13
		36	0	12.61	12.6	12.32	13
		36	18	12.23	12.24	12.27	13
		36	39	12.56	12.73	12.48	13
		75	0	12.37	12.6	12.61	13
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	12.97	12.88	12.75	13
		1	50	12.76	12.86	12.43	13
		1	99	12.64	12.67	12.63	13
		50	0	12.8	12.73	12.68	13
		50	25	12.85	12.7	12.5	13
		50	50	12.71	12.65	12.59	13
		100	0	12.71	12.69	12.69	13
	16QAM	1	0	12.89	12.91	12.92	13
		1	50	12.84	12.86	12.72	13
		1	99	12.82	12.94	12.78	13
		50	0	12.76	12.64	12.6	13
		50	25	12.51	12.58	12.64	13
		50	50	12.49	12.63	12.54	13
		100	0	12.65	12.64	12.63	13

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	64QAM	1	0	12.82	12.67	12.56	13
		1	50	12.5	12.33	12.53	13
		1	99	12.76	12.62	12.6	13
		50	0	12.57	12.61	12.37	13
		50	25	12.23	12.2	12.22	13
		50	50	12.53	12.72	12.49	13
		100	0	12.43	12.6	12.54	13

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LTE Band 4 Receiver off + BT + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	16.26	16.32	16.14	16.5
		1	2	16.37	16.19	16.24	16.5
		1	5	16.27	15.96	15.99	16.5
		3	0	16.23	15.65	15.98	16.5
		3	2	16.15	16.31	15.68	16.5
		3	3	15.88	16.29	15.95	16.5
		6	0	16.25	16.11	15.97	16.5
	16QAM	1	0	16.38	16.14	16	16.5
		1	2	16.06	16.2	15.53	16.5
		1	5	16.32	16.23	16.35	16.5
		3	0	16.44	15.95	16.16	16.5
		3	2	15.79	16.2	16.37	16.5
		3	3	16.38	16.39	16.27	16.5
		6	0	16.46	16.18	16.12	16.5
	64QAM	1	0	16.25	16.1	16.05	16.5
		1	2	15.96	15.79	15.98	16.5
		1	5	16.18	16.1	16.09	16.5
		3	0	16.02	16.08	15.78	16.5
		3	2	15.72	15.63	15.65	16.5
		3	3	16.03	16.21	15.98	16.5
		6	0	15.84	16.09	15.96	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	16.48	16.19	16.16	16.5
		1	7	16.32	15.7	14.23	16.5
		1	14	16.24	16.17	16.12	16.5
		8	0	16.16	15.83	16.12	16.5
		8	4	16.21	16.36	16.15	16.5
		8	7	16.17	16.23	16	16.5
		15	0	16.29	16.14	16.2	16.5
	16QAM	1	0	16.34	16.41	16.37	16.5
		1	7	16.42	15.43	16.28	16.5
		1	14	16.33	16.36	15.9	16.5
		8	0	16.15	16.43	15.92	16.5
		8	4	16.03	16.2	15.53	16.5
		8	7	16.25	16.11	16.06	16.5
		15	0	16.36	16.2	16.19	16.5
	64QAM	1	0	16.25	16.11	16.03	16.5
		1	7	15.96	15.75	15.95	16.5
		1	14	16.24	16.07	16.07	16.5
		8	0	15.99	16.09	15.84	16.5

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		8	4	15.68	15.69	15.65	16.5
		8	7	15.97	16.22	15.92	16.5
		15	0	15.85	16.05	15.99	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	16.33	16.01	16.18	16.5
		1	13	16.17	16.23	16.17	16.5
		1	24	16.26	16.3	16.14	16.5
		12	0	16.36	16.3	16.13	16.5
		12	6	16.42	16.29	16.2	16.5
		12	13	16.28	16.3	16.18	16.5
		25	0	16.44	16.22	16.13	16.5
	16QAM	1	0	16.34	16.38	16.34	16.5
		1	13	16.34	16.41	16.42	16.5
		1	24	16.02	15.89	15.88	16.5
		12	0	16.42	16.24	16.11	16.5
		12	6	16.41	16.49	16.25	16.5
		12	13	16.26	16.07	16	16.5
		25	0	16.19	16.29	16.04	16.5
	64QAM	1	0	16.3	16.13	15.99	16.5
		1	13	15.93	15.8	16	16.5
		1	24	16.25	16.05	16.08	16.5
		12	0	15.98	16.02	15.85	16.5
		12	6	15.71	15.66	15.68	16.5
		12	13	15.99	16.16	15.99	16.5
		25	0	15.9	16.03	16.01	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	16.39	16.05	16.34	16.5
		1	25	15.51	15.66	15.73	16.5
		1	49	16.23	16.09	16.19	16.5
		25	0	16.33	16.23	16.24	16.5
		25	13	16.2	16.28	16.18	16.5
		25	25	16.36	16.21	16.15	16.5
		50	0	16.34	16.22	16.19	16.5
	16QAM	1	0	16.35	16.32	16.3	16.5
		1	25	16.21	15.8	16.31	16.5
		1	49	16.26	16.22	16.23	16.5
		25	0	16.31	16.11	16.1	16.5
		25	13	16.17	16.17	16.17	16.5
		25	25	16.18	16.07	16.09	16.5
		50	0	16.22	16.07	16.12	16.5
	64QAM	1	0	16.29	16.17	15.96	16.5
		1	25	15.98	15.75	15.96	16.5
		1	49	16.21	16.06	16.04	16.5
		25	0	16.07	16.1	15.83	16.5
		25	13	15.69	15.67	15.63	16.5

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		25	25	15.99	16.19	15.96	16.5
		50	0	15.86	16.09	15.95	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	16.22	16.33	16.23	16.5
		1	38	16.3	16.34	16.01	16.5
		1	74	16.25	15.89	16.04	16.5
		36	0	16.28	16.32	16.32	16.5
		36	18	16.32	16.21	16.24	16.5
		36	39	16.27	16.17	16.19	16.5
		75	0	16.23	16.25	16.1	16.5
	16QAM	1	0	16.37	16.23	16.32	16.5
		1	38	16.24	16.39	15.98	16.5
		1	74	16.25	15.93	16.19	16.5
		36	0	16.17	16.19	16.09	16.5
		36	18	16.21	16.11	16.05	16.5
		36	39	16.24	16.15	16.16	16.5
		75	0	16.13	16.12	16.16	16.5
	64QAM	1	0	16.28	16.08	16.01	16.5
		1	38	15.91	15.8	15.98	16.5
		1	74	16.24	16.11	16.06	16.5
		36	0	16.03	16.05	15.8	16.5
		36	18	15.73	15.69	15.68	16.5
		36	39	16.02	16.19	15.92	16.5
		75	0	15.88	16.04	15.97	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	16.4	16.41	16.25	16.5
		1	50	15.65	15.36	16.36	16.5
		1	99	16.16	15.99	16.18	16.5
		50	0	16.4	16.23	16.14	16.5
		50	25	16.31	16.19	16.16	16.5
		50	50	16.2	16.2	16.08	16.5
		100	0	16.27	16.12	16.16	16.5
	16QAM	1	0	16.33	16.31	16.38	16.5
		1	50	16.44	15.49	15.81	16.5
		1	99	16.38	16.41	16.3	16.5
		50	0	16.13	16.13	16.09	16.5
		50	25	16.14	16.16	16.12	16.5
		50	50	16.13	16.09	16.01	16.5
		100	0	16.25	16.07	16.1	16.5

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	64QAM	1	0	16.31	16.17	15.97	16.5
		1	50	15.91	15.77	15.99	16.5
		1	99	16.22	16.06	16.08	16.5
		50	0	16.03	16.01	15.78	16.5
		50	25	15.65	15.6	15.64	16.5
		50	50	15.98	16.15	15.93	16.5
		100	0	15.9	16.1	15.99	16.5

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LTE Band 4 Receiver on(Left head) + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	17.36	17.18	17.14	17.5
		1	2	15.83	16.82	16.39	17.5
		1	5	17.25	17.25	17.11	17.5
		3	0	16.92	16.82	17.03	17.5
		3	2	17.38	16.57	17.16	17.5
		3	3	17.2	17.23	17.09	17.5
		6	0	16.82	17.37	17.14	17.5
	16QAM	1	0	17.44	17.39	17.35	17.5
		1	2	17.27	17.16	16.89	17.5
		1	5	17.31	17.46	17.04	17.5
		3	0	17.41	17.39	17.07	17.5
		3	2	17.31	17.37	17.48	17.5
		3	3	17.28	17.24	17.23	17.5
		6	0	16.69	16.98	17.01	17.5
	64QAM	1	0	17.34	17.19	16.93	17.5
		1	2	16.87	16.85	16.96	17.5
		1	5	17.26	17.11	17.14	17.5
		3	0	17.04	17.05	16.9	17.5
		3	2	16.8	16.73	16.69	17.5
		3	3	17.12	17.22	17.02	17.5
		6	0	16.89	17.06	17.07	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	17.44	17.2	17.19	17.5
		1	7	16.46	16.46	17.47	17.5
		1	14	17.34	17.2	17.14	17.5
		8	0	17.27	17.22	17.25	17.5
		8	4	17.05	17.05	16.73	17.5
		8	7	17.21	17.35	17.09	17.5
		15	0	17.24	17.23	17.11	17.5
	16QAM	1	0	17.44	17.39	17.47	17.5
		1	7	17.01	16.6	16.09	17.5
		1	14	17.44	17.41	17.43	17.5
		8	0	17.27	17.08	17.16	17.5
		8	4	17.28	17.31	17.3	17.5
		8	7	17.23	17.24	16.79	17.5
		15	0	17.37	17.19	17.01	17.5
	64QAM	1	0	17.39	17.14	16.86	17.5
		1	7	16.8	16.85	16.95	17.5
		1	14	17.29	17.06	17.15	17.5
		8	0	17.07	17.01	16.88	17.5

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		8	4	16.82	16.75	16.69	17.5
		8	7	17.11	17.23	17.01	17.5
		15	0	16.93	17.01	17.11	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	17.45	17.17	17.16	17.5
		1	13	17.16	17.12	17.05	17.5
		1	24	17.19	17.29	17.14	17.5
		12	0	17.29	17.19	17.18	17.5
		12	6	17.33	17.31	17.16	17.5
		12	13	17.29	17.32	17.2	17.5
		25	0	17.32	17.37	17.16	17.5
	16QAM	1	0	17.38	17.3	17.25	17.5
		1	13	17.36	17.37	17.36	17.5
		1	24	17.31	17.29	17.32	17.5
		12	0	17.44	17.3	17.17	17.5
		12	6	17.35	17.16	17.12	17.5
		12	13	17.35	17.29	17.11	17.5
		25	0	17.23	17.21	17.09	17.5
	64QAM	1	0	17.36	17.19	16.9	17.5
		1	13	16.81	16.84	16.95	17.5
		1	24	17.23	17.06	17.17	17.5
		12	0	17.02	17.03	16.88	17.5
		12	6	16.8	16.74	16.65	17.5
		12	13	17.1	17.18	16.99	17.5
		25	0	16.89	17.04	17.1	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	17.33	17.26	17.18	17.5
		1	25	17.04	16.91	17.12	17.5
		1	49	17.21	17.19	16.96	17.5
		25	0	17.28	17.18	17.12	17.5
		25	13	17.22	17.2	17.17	17.5
		25	25	17.18	17.17	17.11	17.5
		50	0	17.28	17.17	17.17	17.5
	16QAM	1	0	17.36	17.39	17.31	17.5
		1	25	17.33	17.01	17.08	17.5
		1	49	17.49	16.44	17.3	17.5
		25	0	17.21	17.17	17.12	17.5
		25	13	17.08	17.2	17.16	17.5
		25	25	17.2	17.16	17.23	17.5
		50	0	17.36	17.12	17.1	17.5
	64QAM	1	0	17.33	17.2	16.89	17.5
		1	25	16.85	16.78	16.91	17.5
		1	49	17.3	17.05	17.14	17.5
		25	0	17	16.99	16.91	17.5
		25	13	16.75	16.76	16.61	17.5

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		25	25	17.14	17.22	16.98	17.5
		50	0	16.92	17.06	17.15	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	17.33	17.34	17.02	17.5
		1	38	17.46	17.37	17.29	17.5
		1	74	17.19	17.07	17.08	17.5
		36	0	17.28	17.22	17.14	17.5
		36	18	17.3	17.25	17.28	17.5
		36	39	17.23	17.23	17.09	17.5
		75	0	17.29	17.27	17.16	17.5
	16QAM	1	0	17.29	17.13	17.33	17.5
		1	38	17.31	17.33	17.35	17.5
		1	74	17.23	17.26	17.29	17.5
		36	0	17.36	17.19	17.15	17.5
		36	18	17.14	17.2	17.18	17.5
		36	39	17.31	17.17	17.04	17.5
		75	0	17.22	17.21	17.1	17.5
	64QAM	1	0	17.4	17.17	16.94	17.5
		1	38	16.81	16.83	16.9	17.5
		1	74	17.3	17.11	17.17	17.5
		36	0	17.07	16.98	16.86	17.5
		36	18	16.75	16.71	16.69	17.5
		36	39	17.09	17.16	16.97	17.5
		75	0	16.88	17.03	17.15	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	17.35	17.47	17.23	17.5
		1	50	16.66	16.78	16.37	17.5
		1	99	17.33	17.14	17.09	17.5
		50	0	17.36	17.24	17.25	17.5
		50	25	17.3	17.19	17.13	17.5
		50	50	17.22	17.2	17.2	17.5
		100	0	17.32	17.28	17.27	17.5
	16QAM	1	0	17.39	17.37	17.32	17.5
		1	50	17.24	17.27	17.22	17.5
		1	99	17.28	17.33	17.23	17.5
		50	0	17.24	17.14	17.19	17.5
		50	25	17.26	17.19	17.11	17.5
		50	50	17.14	17.09	17.03	17.5
		100	0	17.24	17.13	17.1	17.5

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	64QAM	1	0	17.31	17.18	16.95	17.5
		1	50	16.85	16.86	17	17.5
		1	99	17.29	17.14	17.16	17.5
		50	0	17.03	17.03	16.85	17.5
		50	25	16.75	16.69	16.69	17.5
		50	50	17.1	17.2	16.94	17.5
		100	0	16.86	17.03	17.09	17.5

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LTE Band 4 Receiver on(Right head) + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 19957	Channel 20175	Channel 20393	Tune up
1.4MHz	QPSK	1	0	14.91	14.77	14.45	15
		1	2	13.89	14.66	13.88	15
		1	5	14.84	14.74	14.62	15
		3	0	14.65	14.86	14.47	15
		3	2	13.94	14.48	14.12	15
		3	3	14.97	14.64	14.66	15
		6	0	14.35	14.49	14.16	15
	16QAM	1	0	14.89	14.87	14.92	15
		1	2	14.96	13.83	14.92	15
		1	5	14.54	14.49	14.73	15
		3	0	14.52	14.66	14.46	15
		3	2	14.85	14.62	14.39	15
		3	3	14.59	14.58	14.21	15
		6	0	14.41	14.93	14.55	15
	64QAM	1	0	14.8	14.6	14.42	15
		1	2	14.34	14.31	14.47	15
		1	5	14.71	14.58	14.61	15
		3	0	14.52	14.46	14.34	15
		3	2	14.23	14.12	14.17	15
		3	3	14.54	14.67	14.43	15
		6	0	14.35	14.46	14.55	15
Bandwidth	Modulation	RB size	RB offset	Channel 19965	Channel 20175	Channel 20385	Tune up
3MHz	QPSK	1	0	14.93	14.73	14.63	15
		1	7	13.37	14.29	14.16	15
		1	14	14.76	14.82	14.54	15
		8	0	14.81	14.76	14.68	15
		8	4	14.73	14.6	14.64	15
		8	7	14.65	14.78	14.53	15
		15	0	14.76	14.86	14.62	15
	16QAM	1	0	14.95	14.93	14.97	15
		1	7	14.58	14.81	13.79	15
		1	14	14.88	14.87	14.93	15
		8	0	14.58	14.76	14.69	15
		8	4	14.5	14.74	14.51	15
		8	7	14.73	14.42	14.5	15
		15	0	14.72	14.6	14.77	15
	64QAM	1	0	14.79	14.67	14.4	15
		1	7	14.3	14.33	14.45	15
		1	14	14.72	14.62	14.64	15
		8	0	14.47	14.46	14.29	15

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		8	4	14.2	14.12	14.17	15
		8	7	14.56	14.69	14.41	15
		15	0	14.31	14.48	14.52	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	14.94	14.57	14.62	15
		1	13	14.87	14.72	14.53	15
		1	24	14.66	14.74	14.52	15
		12	0	14.81	14.72	14.61	15
		12	6	14.8	14.69	14.7	15
		12	13	14.73	14.74	14.68	15
		25	0	14.66	14.7	14.6	15
	16QAM	1	0	14.83	14.85	14.99	15
		1	13	14.78	14.5	14.85	15
		1	24	14.74	14.69	14.63	15
		12	0	14.7	14.84	14.54	15
		12	6	14.66	14.55	14.58	15
		12	13	14.71	14.74	14.56	15
		25	0	14.74	14.6	14.46	15
	64QAM	1	0	14.8	14.66	14.44	15
		1	13	14.31	14.35	14.49	15
		1	24	14.77	14.59	14.63	15
		12	0	14.52	14.48	14.33	15
		12	6	14.19	14.17	14.16	15
		12	13	14.59	14.7	14.36	15
		25	0	14.35	14.5	14.53	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	14.92	14.66	14.72	15
		1	25	14.03	14.2	14.58	15
		1	49	14.87	14.51	14.52	15
		25	0	14.81	14.7	14.67	15
		25	13	14.8	14.66	14.61	15
		25	25	14.77	14.72	14.72	15
		50	0	14.84	14.7	14.6	15
	16QAM	1	0	14.92	14.96	14.94	15
		1	25	14.64	13.92	14.83	15
		1	49	14.87	14.89	14.85	15
		25	0	14.77	14.65	14.54	15
		25	13	14.65	14.7	14.58	15
		25	25	14.72	14.61	14.55	15
		50	0	14.69	14.56	14.59	15
	64QAM	1	0	14.77	14.65	14.42	15
		1	25	14.29	14.29	14.49	15
		1	49	14.73	14.64	14.65	15
		25	0	14.49	14.48	14.34	15
		25	13	14.23	14.11	14.13	15

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		25	25	14.58	14.68	14.41	15
		50	0	14.35	14.47	14.55	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	14.83	14.72	14.6	15
		1	38	14.94	14.81	14.74	15
		1	74	14.66	14.64	14.5	15
		36	0	14.85	14.78	14.73	15
		36	18	14.84	14.68	14.77	15
		36	39	14.69	14.65	14.59	15
		75	0	14.69	14.68	14.64	15
	16QAM	1	0	14.93	14.89	14.91	15
		1	38	14.86	14.84	14.9	15
		1	74	14.84	14.78	14.64	15
		36	0	14.71	14.73	14.48	15
		36	18	14.73	14.63	14.63	15
		36	39	14.64	14.71	14.58	15
		75	0	14.64	14.46	14.61	15
	64QAM	1	0	14.79	14.61	14.43	15
		1	38	14.31	14.34	14.43	15
		1	74	14.79	14.61	14.61	15
		36	0	14.52	14.5	14.28	15
		36	18	14.2	14.12	14.15	15
		36	39	14.56	14.66	14.4	15
		75	0	14.34	14.49	14.56	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	14.97	14.97	14.82	15
		1	50	14.32	14.54	14.98	15
		1	99	14.68	14.64	14.68	15
		50	0	14.81	14.75	14.62	15
		50	25	14.77	14.63	14.61	15
		50	50	14.76	14.6	14.67	15
		100	0	14.71	14.74	14.63	15
	16QAM	1	0	14.93	14.91	14.89	15
		1	50	14.94	14.98	14.88	15
		1	99	14.88	14.92	14.9	15
		50	0	14.76	14.73	14.65	15
		50	25	14.59	14.65	14.63	15
		50	50	14.57	14.56	14.51	15
		100	0	14.7	14.54	14.55	15

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	64QAM	1	0	14.78	14.66	14.37	15
		1	50	14.31	14.35	14.48	15
		1	99	14.76	14.63	14.65	15
		50	0	14.49	14.5	14.3	15
		50	25	14.22	14.18	14.15	15
		50	50	14.57	14.63	14.39	15
		100	0	14.33	14.52	14.57	15

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LTE Band 4 Receiver off + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 19957	Channel 20175	Channel 20393	Tune up
1.4MHz	QPSK	1	0	18.45	18.33	18.19	18.5
		1	2	17.93	17.77	17.48	18.5
		1	5	18.39	18.34	18.17	18.5
		3	0	18.08	18.16	18.02	18.5
		3	2	17.76	18.28	18.16	18.5
		3	3	18.26	17.54	18.09	18.5
		6	0	18.25	18.14	18.23	18.5
	16QAM	1	0	18.35	18.46	18.33	18.5
		1	2	18.37	18.12	18.48	18.5
		1	5	18.36	17.78	18.47	18.5
		3	0	18.3	18.32	18.12	18.5
		3	2	17.77	18.02	17.35	18.5
		3	3	18.22	18.22	18.06	18.5
		6	0	18.28	18.22	18.02	18.5
	64QAM	1	0	18.32	18.16	18.02	18.5
		1	2	17.92	17.85	18	18.5
		1	5	18.28	18.13	18.13	18.5
		3	0	18.06	18.02	17.9	18.5
		3	2	17.77	17.71	17.71	18.5
		3	3	18.07	18.19	17.97	18.5
		6	0	17.86	18.03	18.08	18.5
Bandwidth	Modulation	RB size	RB offset	Channel 19965	Channel 20175	Channel 20385	Tune up
3MHz	QPSK	1	0	18.27	18.09	18.07	18.5
		1	7	17.63	17.5	18.27	18.5
		1	14	18.23	18.15	18.07	18.5
		8	0	18.31	18.13	18.25	18.5
		8	4	17.86	17.96	18.09	18.5
		8	7	18.27	18.29	18.41	18.5
		15	0	18.35	18.18	18.12	18.5
	16QAM	1	0	18.37	18.33	18.39	18.5
		1	7	18.17	17.72	18.34	18.5
		1	14	18.34	18.3	18.14	18.5
		8	0	18.29	18.14	17.8	18.5
		8	4	18.17	18.26	17.94	18.5
		8	7	18.21	18.06	18.19	18.5
		15	0	18.3	18.2	17.95	18.5
	64QAM	1	0	18.32	18.16	18.02	18.5
		1	7	17.92	17.85	18	18.5
		1	14	18.28	18.13	18.13	18.5
		8	0	18.06	18.02	17.9	18.5

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		8	4	17.77	17.71	17.71	18.5
		8	7	18.07	18.19	17.97	18.5
		15	0	17.86	18.03	18.08	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	18.23	18.21	18.04	18.5
		1	13	18.39	18.39	18.11	18.5
		1	24	18.13	18.13	18.04	18.5
		12	0	18.36	18.32	18.18	18.5
		12	6	18.33	18.16	18.12	18.5
		12	13	18.25	18.32	18.1	18.5
		25	0	18.27	18.23	18.12	18.5
	16QAM	1	0	18.35	18.37	18.31	18.5
		1	13	18.29	18.32	18.17	18.5
		1	24	18.32	18.3	18.15	18.5
		12	0	18.4	18.25	18.23	18.5
		12	6	18.19	18.2	18.23	18.5
		12	13	18.2	18.2	18.14	18.5
		25	0	18.29	18.22	18.02	18.5
	64QAM	1	0	18.32	18.16	18.02	18.5
		1	13	17.92	17.85	18	18.5
		1	24	18.28	18.13	18.13	18.5
		12	0	18.06	18.02	17.9	18.5
		12	6	17.77	17.71	17.71	18.5
		12	13	18.07	18.19	17.97	18.5
		25	0	17.86	18.03	18.08	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	18.25	18.33	18.35	18.5
		1	25	18.17	18.16	18.21	18.5
		1	49	18.14	18.11	18.04	18.5
		25	0	18.35	18.21	18.25	18.5
		25	13	18.21	18.25	18.24	18.5
		25	25	18.21	18.26	18.16	18.5
		50	0	18.22	18.3	18.12	18.5
	16QAM	1	0	18.2	18.36	18.38	18.5
		1	25	18.39	18.41	18.34	18.5
		1	49	18.37	18.36	18.21	18.5
		25	0	18.15	18.23	18.08	18.5
		25	13	18.15	18.29	18.15	18.5
		25	25	18.35	18.22	18.06	18.5
		50	0	18.12	18.15	18.1	18.5
	64QAM	1	0	18.32	18.16	18.02	18.5
		1	25	17.92	17.85	18	18.5
		1	49	18.28	18.13	18.13	18.5
		25	0	18.06	18.02	17.9	18.5
		25	13	17.77	17.71	17.71	18.5

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		25	25	18.07	18.19	17.97	18.5
		50	0	17.86	18.03	18.08	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	18.06	18.32	18.2	18.5
		1	38	18.06	17.94	17.94	18.5
		1	74	18.19	17.95	17.85	18.5
		36	0	18.29	18.19	18.22	18.5
		36	18	18.21	18.22	18.26	18.5
		36	39	18.17	18.19	18.18	18.5
		75	0	18.34	18.22	18.12	18.5
	16QAM	1	0	18.48	18.31	18.39	18.5
		1	38	18.38	18.28	18.25	18.5
		1	74	18.39	18.33	18.36	18.5
		36	0	18.19	18.23	18.16	18.5
		36	18	18.12	18.18	18.07	18.5
		36	39	18.26	18.15	18.09	18.5
		75	0	18.14	18.06	18.1	18.5
	64QAM	1	0	18.32	18.16	18.02	18.5
		1	38	17.92	17.85	18	18.5
		1	74	18.28	18.13	18.13	18.5
		36	0	18.06	18.02	17.9	18.5
		36	18	17.77	17.71	17.71	18.5
		36	39	18.07	18.19	17.97	18.5
		75	0	17.86	18.03	18.08	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	18.35	18.38	18.33	18.5
		1	50	18.44	18.41	18.08	18.5
		1	99	18.28	18.28	18.06	18.5
		50	0	18.36	18.21	18.21	18.5
		50	25	18.21	18.26	18.22	18.5
		50	50	18.25	18.26	18.15	18.5
		100	0	18.32	18.19	18.22	18.5
	16QAM	1	0	18.22	18.33	18.38	18.5
		1	50	18.01	17.67	17.65	18.5
		1	99	18.42	18.42	18.45	18.5
		50	0	18.27	18.17	18.14	18.5
		50	25	18.13	18.26	18.12	18.5
		50	50	18.13	18.1	18.08	18.5
		100	0	18.24	18.1	18.15	18.5

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	64QAM	1	0	18.32	18.16	18.02	18.5
		1	50	17.92	17.85	18	18.5
		1	99	18.28	18.13	18.13	18.5
		50	0	18.06	18.02	17.9	18.5
		50	25	17.77	17.71	17.71	18.5
		50	50	18.07	18.19	17.97	18.5
		100	0	17.86	18.03	18.08	18.5

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LTE Band 5 Receiver on(Left head)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	19.67	19.68	19.56	20.5
		1	2	19.3	18.94	19.34	20.5
		1	5	19.71	19.64	19.56	20.5
		3	0	19.68	19.59	19.48	20.5
		3	2	19.53	19.6	19.38	20.5
		3	3	19.51	19.5	19.46	20.5
		6	0	19.69	19.55	19.51	20.5
	16QAM	1	0	19.99	19.92	19.76	20.5
		1	2	19.76	19.7	19.69	20.5
		1	5	19.9	19.83	19.78	20.5
		3	0	19.52	19.54	19.54	20.5
		3	2	19.53	19.56	19.4	20.5
		3	3	19.65	19.6	19.49	20.5
		6	0	19.54	19.59	19.53	20.5
	64QAM	1	0	19.81	19.65	19.77	20.5
		1	2	19.4	19.43	19.5	20.5
		1	5	19.82	19.61	19.57	20.5
		3	0	19.59	19.59	19.54	20.5
		3	2	19.59	19.54	19.48	20.5
		3	3	19.56	19.53	19.52	20.5
		6	0	19.51	19.59	19.42	20.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	19.72	19.65	19.56	20.5
		1	7	19.47	19.35	18.92	20.5
		1	14	19.63	19.66	19.54	20.5
		8	0	19.66	19.56	19.53	20.5
		8	4	19.59	19.56	19.5	20.5
		8	7	19.64	19.56	19.56	20.5
		15	0	19.58	19.62	19.53	20.5
	16QAM	1	0	19.98	19.87	19.84	20.5
		1	7	19.5	19.75	19.68	20.5
		1	14	19.89	19.93	19.85	20.5
		8	0	19.61	19.59	19.51	20.5
		8	4	19.55	19.59	19.57	20.5
		8	7	19.6	19.57	19.53	20.5
		15	0	19.54	19.63	19.56	20.5
	64QAM	1	0	19.84	19.63	19.79	20.5
		1	7	19.49	19.4	19.46	20.5
		1	14	19.79	19.63	19.62	20.5
		8	0	19.54	19.5	19.52	20.5

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		8	4	19.64	19.62	19.43	20.5
		8	7	19.55	19.55	19.52	20.5
		15	0	19.55	19.56	19.46	20.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	19.71	19.63	19.62	20.5
		1	13	19.63	19.64	19.54	20.5
		1	24	19.65	19.62	19.59	20.5
		12	0	19.65	19.68	19.67	20.5
		12	6	19.59	19.61	19.53	20.5
		12	13	19.71	19.71	19.65	20.5
		25	0	19.65	19.6	19.62	20.5
	16QAM	1	0	19.98	19.92	19.89	20.5
		1	13	19.92	19.88	19.84	20.5
		1	24	19.91	19.87	19.77	20.5
		12	0	19.63	19.66	19.63	20.5
		12	6	19.56	19.56	19.52	20.5
		12	13	19.67	19.66	19.55	20.5
		25	0	19.59	19.61	19.57	20.5
	64QAM	1	0	19.82	19.6	19.83	20.5
		1	13	19.4	19.38	19.43	20.5
		1	24	19.75	19.68	19.66	20.5
		12	0	19.59	19.59	19.54	20.5
		12	6	19.53	19.62	19.48	20.5
		12	13	19.56	19.55	19.47	20.5
		25	0	19.57	19.59	19.49	20.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	19.66	19.61	19.6	20.5
		1	25	19.35	19.48	19.45	20.5
		1	49	19.66	19.61	19.57	20.5
		25	0	19.64	19.61	19.6	20.5
		25	13	19.62	19.63	19.59	20.5
		25	25	19.69	19.6	19.62	20.5
		50	0	19.65	19.66	19.59	20.5
	16QAM	1	0	19.93	19.88	19.92	20.5
		1	25	19.55	19.52	19.6	20.5
		1	49	19.77	19.94	19.85	20.5
		25	0	19.61	19.58	19.58	20.5
		25	13	19.62	19.63	19.57	20.5
		25	25	19.56	19.59	19.55	20.5
		50	0	19.58	19.59	19.52	20.5

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	64QAM	1	0	19.91	19.7	19.86	20.5
		1	25	19.5	19.47	19.51	20.5
		1	49	19.87	19.7	19.67	20.5
		25	0	19.65	19.62	19.6	20.5
		25	13	19.64	19.65	19.53	20.5
		25	25	19.62	19.58	19.53	20.5
		50	0	19.62	19.62	19.52	20.5

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LTE Band 5 Receiver on(Right head)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	19.75	19.67	19.59	20.5
		1	2	19.44	19.3	18.94	20.5
		1	5	19.71	19.59	19.57	20.5
		3	0	19.69	19.59	19.48	20.5
		3	2	19.45	19.5	19.4	20.5
		3	3	19.55	19.56	19.44	20.5
		6	0	19.56	19.57	19.45	20.5
	16QAM	1	0	19.94	19.8	19.78	20.5
		1	2	19.47	19.65	19.53	20.5
		1	5	19.9	19.88	19.91	20.5
		3	0	19.67	19.61	19.47	20.5
		3	2	19.46	19.54	19.41	20.5
		3	3	19.57	19.55	19.38	20.5
		6	0	19.64	19.54	19.44	20.5
	64QAM	1	0	19.81	19.65	19.77	20.5
		1	2	19.4	19.43	19.5	20.5
		1	5	19.82	19.61	19.57	20.5
		3	0	19.59	19.59	19.54	20.5
		3	2	19.59	19.54	19.48	20.5
		3	3	19.56	19.53	19.52	20.5
		6	0	19.51	19.59	19.42	20.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	19.68	19.61	19.53	20.5
		1	7	19.58	19.39	19.05	20.5
		1	14	19.63	19.59	19.58	20.5
		8	0	19.62	19.57	19.48	20.5
		8	4	19.57	19.59	19.53	20.5
		8	7	19.54	19.66	19.52	20.5
		15	0	19.63	19.64	19.54	20.5
	16QAM	1	0	19.95	19.92	19.86	20.5
		1	7	19.29	19.35	19.23	20.5
		1	14	19.96	19.93	19.92	20.5
		8	0	19.58	19.57	19.44	20.5
		8	4	19.56	19.61	19.34	20.5
		8	7	19.55	19.55	19.51	20.5
		15	0	19.57	19.55	19.5	20.5
	64QAM	1	0	19.84	19.63	19.79	20.5
		1	7	19.49	19.4	19.46	20.5
		1	14	19.79	19.63	19.62	20.5
		8	0	19.54	19.5	19.52	20.5

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		8	4	19.64	19.62	19.43	20.5
		8	7	19.55	19.55	19.52	20.5
		15	0	19.55	19.56	19.46	20.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	19.66	19.6	19.51	20.5
		1	13	19.61	19.57	19.52	20.5
		1	24	19.62	19.62	19.53	20.5
		12	0	19.66	19.63	19.64	20.5
		12	6	19.61	19.6	19.54	20.5
		12	13	19.66	19.65	19.62	20.5
		25	0	19.59	19.6	19.57	20.5
	16QAM	1	0	19.91	19.91	19.86	20.5
		1	13	19.88	19.92	19.89	20.5
		1	24	19.85	19.92	19.81	20.5
		12	0	19.68	19.65	19.61	20.5
		12	6	19.61	19.6	19.46	20.5
		12	13	19.63	19.63	19.6	20.5
		25	0	19.55	19.52	19.46	20.5
	64QAM	1	0	19.82	19.6	19.83	20.5
		1	13	19.4	19.38	19.43	20.5
		1	24	19.75	19.68	19.66	20.5
		12	0	19.59	19.59	19.54	20.5
		12	6	19.53	19.62	19.48	20.5
		12	13	19.56	19.55	19.47	20.5
		25	0	19.57	19.59	19.49	20.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	19.6	19.59	19.58	20.5
		1	25	19.36	19.37	19.4	20.5
		1	49	19.61	19.61	19.54	20.5
		25	0	19.61	19.61	19.59	20.5
		25	13	19.62	19.62	19.57	20.5
		25	25	19.59	19.62	19.59	20.5
		50	0	19.59	19.63	19.56	20.5
	16QAM	1	0	19.98	19.89	19.88	20.5
		1	25	19.72	19.65	19.77	20.5
		1	49	19.88	19.91	19.97	20.5
		25	0	19.54	19.53	19.53	20.5
		25	13	19.55	19.54	19.51	20.5
		25	25	19.54	19.53	19.53	20.5
		50	0	19.55	19.58	19.5	20.5

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	64QAM	1	0	19.91	19.83	19.66	20.5
		1	25	19.63	19.6	19.36	20.5
		1	49	19.79	19.7	19.72	20.5
		25	0	19.64	19.59	19.6	20.5
		25	13	19.63	19.6	19.53	20.5
		25	25	19.62	19.6	19.53	20.5
		50	0	19.62	19.59	19.55	20.5

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LTE Band 5 Receiver off (Full Power)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	23.67	23.59	23.53	24.5
		1	2	23.36	23.25	23.12	24.5
		1	5	23.64	23.6	23.53	24.5
		3	0	23.63	23.5	23.36	24.5
		3	2	23.41	23.46	23.33	24.5
		3	3	23.47	23.52	23.33	24.5
		6	0	22.05	21.97	21.88	23.5
	16QAM	1	0	22.4	22.29	22.18	23.5
		1	2	21.93	21.8	21.94	23.5
		1	5	22.28	22.29	22.22	23.5
		3	0	22.02	22.06	21.93	23.5
		3	2	22.11	21.93	21.88	23.5
		3	3	22.05	22.1	21.95	23.5
		6	0	21.1	20.92	20.97	22.5
	64QAM	1	0	21.87	21.83	21.78	22.5
		1	2	21.57	21.56	21.34	22.5
		1	5	21.77	21.68	21.66	22.5
		3	0	21.84	21.83	21.75	22.5
		3	2	21.54	21.56	21.3	22.5
		3	3	21.77	21.67	21.62	22.5
		6	0	20.59	20.5	20.5	21.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	23.74	23.59	23.57	24.5
		1	7	23.47	23.56	23.46	24.5
		1	14	23.66	23.64	23.46	24.5
		8	0	22.1	22.03	21.91	23.5
		8	4	21.96	21.97	21.81	23.5
		8	7	22	22.04	21.87	23.5
		15	0	22.09	22.06	22.01	23.5
	16QAM	1	0	22.43	22.39	22.16	23.5
		1	7	21.88	21.83	21.73	23.5
		1	14	22.38	22.4	22.29	23.5
		8	0	21.08	21.04	20.88	22.5
		8	4	21	20.96	20.82	22.5
		8	7	21.06	21.08	20.86	22.5
		15	0	21.04	21.04	20.85	22.5
	64QAM	1	0	21.89	21.81	21.79	22.5
		1	7	21.6	21.53	21.44	22.5
		1	14	21.74	21.69	21.68	22.5
		8	0	20.58	20.58	20.57	21.5

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		8	4	20.55	20.58	20.43	21.5
		8	7	20.51	20.54	20.44	21.5
		15	0	20.55	20.59	20.45	21.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	23.72	23.58	23.77	24.5
		1	13	23.65	23.65	23.58	24.5
		1	24	23.68	23.65	23.56	24.5
		12	0	22.16	22.14	22.09	23.5
		12	6	22	22.03	21.92	23.5
		12	13	22.15	22.1	22.03	23.5
		25	0	22.07	22.1	21.98	23.5
	16QAM	1	0	22.42	22.36	22.27	23.5
		1	13	22.35	22.31	22.26	23.5
		1	24	22.35	22.37	22.31	23.5
		12	0	21.14	21.11	21.1	22.5
		12	6	21.06	21.08	20.97	22.5
		12	13	21.14	21.1	21.03	22.5
		25	0	21.04	21.01	20.94	22.5
	64QAM	1	0	21.81	21.84	21.8	22.5
		1	13	21.64	21.55	21.39	22.5
		1	24	21.81	21.7	21.75	22.5
		12	0	20.56	20.54	20.53	21.5
		12	6	20.59	20.55	20.44	21.5
		12	13	20.49	20.52	20.44	21.5
		25	0	20.56	20.55	20.42	21.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	23.71	23.65	23.63	24.5
		1	25	23.57	23.43	23.47	24.5
		1	49	23.5	23.59	23.54	24.5
		25	0	22.13	22.08	22.09	23.5
		25	13	22.12	22.08	22.02	23.5
		25	25	22.1	22.06	22.04	23.5
		50	0	22.09	22.05	22.05	23.5
	16QAM	1	0	22.29	22.29	22.22	23.5
		1	25	22.26	22.19	22.12	23.5
		1	49	22.27	22.31	22.18	23.5
		25	0	21.04	21.02	21.03	22.5
		25	13	21.03	21.03	20.95	22.5
		25	25	20.98	20.99	20.94	22.5
		50	0	21.01	21.02	20.93	22.5

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	64QAM	1	0	21.9	21.85	21.8	22.5
		1	25	21.64	21.57	21.44	22.5
		1	49	21.81	21.73	21.76	22.5
		25	0	20.66	20.61	20.58	21.5
		25	13	20.64	20.59	20.53	21.5
		25	25	20.58	20.6	20.52	21.5
		50	0	20.59	20.61	20.52	21.5

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LTE Band 5 Receiver off + hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	20.62	20.51	20.4	21.5
		1	2	20.06	19.9	19.91	21.5
		1	5	20.56	20.5	20.4	21.5
		3	0	20.5	20.42	20.27	21.5
		3	2	20.51	20.26	20.22	21.5
		3	3	20.44	20.45	20.28	21.5
		6	0	20.45	20.52	20.27	21.5
	16QAM	1	0	20.85	20.81	20.69	21.5
		1	2	20.59	20.68	20.56	21.5
		1	5	20.73	20.82	20.69	21.5
		3	0	20.52	20.55	20.38	21.5
		3	2	20.31	20.31	20.36	21.5
		3	3	20.38	20.37	20.32	21.5
		6	0	20.42	20.5	20.38	21.5
	64QAM	1	0	20.88	20.77	20.65	21.5
		1	2	20.62	20.53	20.34	21.5
		1	5	20.75	20.67	20.64	21.5
		3	0	20.57	20.56	20.57	21.5
		3	2	20.62	20.54	20.47	21.5
		3	3	20.59	20.59	20.5	21.5
		6	0	20.53	20.51	20.48	21.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	20.56	20.5	20.4	21.5
		1	7	20.33	20.21	20.36	21.5
		1	14	20.5	20.47	20.44	21.5
		8	0	20.52	20.44	20.29	21.5
		8	4	20.46	20.39	20.33	21.5
		8	7	20.46	20.5	20.37	21.5
		15	0	20.5	20.5	20.38	21.5
	16QAM	1	0	20.82	20.8	20.75	21.5
		1	7	20.37	20.6	20.29	21.5
		1	14	20.78	20.76	20.75	21.5
		8	0	20.46	20.4	20.22	21.5
		8	4	20.36	20.4	20.32	21.5
		8	7	20.39	20.38	20.3	21.5
		15	0	20.44	20.42	20.38	21.5
	64QAM	1	0	20.9	20.81	20.65	21.5
		1	7	20.56	20.51	20.31	21.5
		1	14	20.75	20.61	20.62	21.5
		8	0	20.63	20.51	20.53	21.5

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		8	4	20.62	20.56	20.51	21.5
		8	7	20.59	20.53	20.49	21.5
		15	0	20.59	20.52	20.55	21.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	20.58	20.49	20.36	21.5
		1	13	20.52	20.48	20.38	21.5
		1	24	20.54	20.51	20.41	21.5
		12	0	20.57	20.53	20.44	21.5
		12	6	20.46	20.51	20.3	21.5
		12	13	20.57	20.52	20.45	21.5
		25	0	20.49	20.44	20.43	21.5
	16QAM	1	0	20.97	20.71	20.69	21.5
		1	13	20.79	20.86	20.7	21.5
		1	24	20.81	20.75	20.81	21.5
		12	0	20.53	20.51	20.41	21.5
		12	6	20.48	20.47	20.29	21.5
		12	13	20.55	20.5	20.44	21.5
		25	0	20.44	20.45	20.34	21.5
	64QAM	1	0	20.82	20.78	20.6	21.5
		1	13	20.54	20.51	20.31	21.5
		1	24	20.72	20.66	20.65	21.5
		12	0	20.64	20.5	20.58	21.5
		12	6	20.63	20.55	20.47	21.5
		12	13	20.53	20.53	20.44	21.5
		25	0	20.53	20.51	20.5	21.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	20.58	20.5	20.42	21.5
		1	25	20.23	20.17	20.1	21.5
		1	49	20.43	20.41	20.39	21.5
		25	0	20.53	20.52	20.48	21.5
		25	13	20.51	20.46	20.42	21.5
		25	25	20.49	20.47	20.45	21.5
		50	0	20.49	20.49	20.41	21.5
	16QAM	1	0	20.86	20.77	20.77	21.5
		1	25	20.55	20.57	20.52	21.5
		1	49	20.86	20.8	20.8	21.5
		25	0	20.48	20.43	20.4	21.5
		25	13	20.42	20.45	20.34	21.5
		25	25	20.42	20.38	20.3	21.5
		50	0	20.44	20.38	20.37	21.5

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	64QAM	1	0	20.87	20.76	20.64	21.5
		1	25	20.59	20.54	20.29	21.5
		1	49	20.73	20.68	20.66	21.5
		25	0	20.62	20.57	20.52	21.5
		25	13	20.62	20.52	20.49	21.5
		25	25	20.53	20.57	20.45	21.5
		50	0	20.62	20.55	20.47	21.5

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LTE Band 5 Receiver off + hotspot 5G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	18.63	18.53	18.43	19.5
		1	2	18.28	18.05	18.09	19.5
		1	5	18.53	18.51	18.44	19.5
		3	0	18.53	18.36	18.41	19.5
		3	2	18.53	18.49	18.18	19.5
		3	3	18.45	18.23	18.18	19.5
		6	0	18.49	18.42	18.31	19.5
	16QAM	1	0	18.94	18.85	18.71	19.5
		1	2	18.77	18.8	18.83	19.5
		1	5	18.92	18.75	18.7	19.5
		3	0	18.67	18.58	18.57	19.5
		3	2	18.45	18.5	18.22	19.5
		3	3	18.48	18.45	18.3	19.5
		6	0	18.51	18.43	18.25	19.5
	64QAM	1	0	18.86	18.67	18.55	19.5
		1	2	18.57	18.49	18.28	19.5
		1	5	18.66	18.63	18.62	19.5
		3	0	18.61	18.54	18.47	19.5
		3	2	18.55	18.43	18.46	19.5
		3	3	18.43	18.5	18.4	19.5
		6	0	18.61	18.55	18.46	19.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	18.6	18.51	18.42	19.5
		1	7	18.11	18.13	18.25	19.5
		1	14	18.48	18.52	18.37	19.5
		8	0	18.55	18.47	18.31	19.5
		8	4	18.43	18.45	18.34	19.5
		8	7	18.47	18.38	18.39	19.5
		15	0	18.54	18.48	18.4	19.5
	16QAM	1	0	18.9	18.76	18.77	19.5
		1	7	18.45	18.34	18.16	19.5
		1	14	18.81	18.83	18.67	19.5
		8	0	18.49	18.46	18.36	19.5
		8	4	18.45	18.44	18.36	19.5
		8	7	18.41	18.47	18.36	19.5
		15	0	18.43	18.38	18.31	19.5
	64QAM	1	0	18.86	18.74	18.55	19.5
		1	7	18.52	18.51	18.25	19.5
		1	14	18.65	18.68	18.61	19.5
		8	0	18.55	18.53	18.51	19.5

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		8	4	18.61	18.48	18.4	19.5
		8	7	18.51	18.5	18.35	19.5
		15	0	18.54	18.54	18.43	19.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	18.56	18.46	18.4	19.5
		1	13	18.55	18.53	18.43	19.5
		1	24	18.52	18.48	18.35	19.5
		12	0	18.57	18.55	18.53	19.5
		12	6	18.51	18.5	18.41	19.5
		12	13	18.55	18.56	18.46	19.5
		25	0	18.5	18.51	18.4	19.5
	16QAM	1	0	18.91	18.78	18.73	19.5
		1	13	18.79	18.76	18.69	19.5
		1	24	18.81	18.79	18.76	19.5
		12	0	18.49	18.51	18.43	19.5
		12	6	18.51	18.49	18.39	19.5
		12	13	18.55	18.5	18.42	19.5
		25	0	18.48	18.41	18.39	19.5
	64QAM	1	0	18.78	18.74	18.56	19.5
		1	13	18.58	18.54	18.28	19.5
		1	24	18.68	18.59	18.56	19.5
		12	0	18.62	18.5	18.5	19.5
		12	6	18.62	18.44	18.46	19.5
		12	13	18.48	18.47	18.4	19.5
		25	0	18.52	18.51	18.45	19.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	18.53	18.49	18.44	19.5
		1	25	18.1	18.09	18.14	19.5
		1	49	18.45	18.47	18.41	19.5
		25	0	18.56	18.51	18.49	19.5
		25	13	18.49	18.49	18.41	19.5
		25	25	18.48	18.47	18.44	19.5
		50	0	18.52	18.49	18.42	19.5
	16QAM	1	0	18.83	18.75	18.74	19.5
		1	25	18.48	18.67	18.39	19.5
		1	49	18.61	18.68	18.59	19.5
		25	0	18.48	18.45	18.4	19.5
		25	13	18.42	18.44	18.39	19.5
		25	25	18.44	18.42	18.38	19.5
		50	0	18.43	18.44	18.34	19.5

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	64QAM	1	0	18.81	18.75	18.61	19.5
		1	25	18.51	18.54	18.21	19.5
		1	49	18.71	18.62	18.59	19.5
		25	0	18.54	18.47	18.48	19.5
		25	13	18.58	18.49	18.48	19.5
		25	25	18.5	18.5	18.36	19.5
		50	0	18.61	18.5	18.46	19.5

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LTE Band 5 Receiver on(Left head) + hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	16.47	16.45	16.4	17.5
		1	2	16.71	15.32	16.07	17.5
		1	5	16.48	16.43	16.28	17.5
		3	0	16.14	16.2	16.28	17.5
		3	2	16.41	16.41	15.9	17.5
		3	3	16.48	16.43	16.16	17.5
		6	0	16.45	16.25	16.36	17.5
	16QAM	1	0	16.87	16.58	16.85	17.5
		1	2	16.73	16.2	16.12	17.5
		1	5	16.73	16.7	16.61	17.5
		3	0	16.34	15.93	16.29	17.5
		3	2	16.4	15.46	16.15	17.5
		3	3	16.45	16.59	16.63	17.5
		6	0	16.58	16.01	16.35	17.5
	64QAM	1	0	16.79	16.73	16.53	17.5
		1	2	16.41	16.47	16.21	17.5
		1	5	16.67	16.6	16.57	17.5
		3	0	16.52	16.37	16.45	17.5
		3	2	16.5	16.44	16.42	17.5
		3	3	16.49	16.48	16.27	17.5
		6	0	16.53	16.49	16.41	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	16.52	16.33	16.4	17.5
		1	7	16.4	15.11	15.67	17.5
		1	14	16.51	16.36	16.32	17.5
		8	0	16.28	16.28	15.82	17.5
		8	4	16.47	16.21	16.26	17.5
		8	7	16.4	16.39	16.4	17.5
		15	0	16.34	16.35	16.35	17.5
	16QAM	1	0	16.87	16.72	16.48	17.5
		1	7	15.95	15.48	16.31	17.5
		1	14	16.9	16.45	16.64	17.5
		8	0	16.3	16.23	16.28	17.5
		8	4	16.37	16.15	16.01	17.5
		8	7	16.76	16.5	15.91	17.5
		15	0	16.18	16.4	16.31	17.5
	64QAM	1	0	16.81	16.66	16.56	17.5
		1	7	16.45	16.54	16.21	17.5
		1	14	16.7	16.61	16.58	17.5
		8	0	16.45	16.41	16.41	17.5

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		8	4	16.54	16.43	16.45	17.5
		8	7	16.49	16.46	16.3	17.5
		15	0	16.57	16.43	16.42	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	16.46	16.41	16.34	17.5
		1	13	16.46	16.3	16.28	17.5
		1	24	16.4	16.37	16.24	17.5
		12	0	16.48	16.46	16.42	17.5
		12	6	16.44	16.3	16.25	17.5
		12	13	16.49	16.49	16.29	17.5
		25	0	16.34	16.33	16.44	17.5
	16QAM	1	0	16.73	16.67	16.6	17.5
		1	13	16.34	16.71	16.08	17.5
		1	24	16.76	16.66	16.58	17.5
		12	0	16.47	16.42	16.4	17.5
		12	6	16.35	16.38	16.39	17.5
		12	13	16.38	16.4	16.21	17.5
		25	0	16.29	16.38	16.21	17.5
	64QAM	1	0	16.78	16.71	16.55	17.5
		1	13	16.5	16.47	16.19	17.5
		1	24	16.7	16.56	16.56	17.5
		12	0	16.49	16.44	16.46	17.5
		12	6	16.55	16.46	16.4	17.5
		12	13	16.49	16.47	16.29	17.5
		25	0	16.53	16.41	16.45	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	16.54	16.28	16.34	17.5
		1	25	16.26	16.42	16.64	17.5
		1	49	16.38	16.41	16.24	17.5
		25	0	16.49	16.45	16.4	17.5
		25	13	16.43	16.43	16.46	17.5
		25	25	16.44	16.36	16.39	17.5
		50	0	16.29	16.39	16.37	17.5
	16QAM	1	0	16.55	16.65	16.37	17.5
		1	25	16.42	16.7	16.65	17.5
		1	49	16.63	16.3	16.59	17.5
		25	0	16.46	16.21	16.27	17.5
		25	13	16.34	16.36	16.38	17.5
		25	25	16.37	16.26	16.35	17.5
		50	0	16.28	16.33	16.37	17.5

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	64QAM	1	0	16.8	16.71	16.54	17.5
		1	25	16.44	16.46	16.2	17.5
		1	49	16.69	16.58	16.5	17.5
		25	0	16.47	16.37	16.4	17.5
		25	13	16.5	16.44	16.47	17.5
		25	25	16.42	16.45	16.35	17.5
		50	0	16.51	16.47	16.37	17.5

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LTE Band 5 Receiver on(Right head) + hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	16.65	16.4	16.41	17.5
		1	2	15.74	15.51	15.96	17.5
		1	5	16.53	16.38	16.31	17.5
		3	0	16.52	16.42	16.17	17.5
		3	2	16.47	16.54	16.32	17.5
		3	3	15.98	16.49	16.36	17.5
		6	0	16.53	16.51	16.25	17.5
	16QAM	1	0	16.54	16.73	16.52	17.5
		1	2	17.11	16.79	16.79	17.5
		1	5	16.67	16.59	16.68	17.5
		3	0	16.29	16.54	16.32	17.5
		3	2	16.43	16.11	16.65	17.5
		3	3	16.46	16.51	16.24	17.5
		6	0	16.44	16.35	16.54	17.5
	64QAM	1	0	16.77	16.72	16.53	17.5
		1	2	16.41	16.47	16.21	17.5
		1	5	16.66	16.58	16.55	17.5
		3	0	16.52	16.37	16.44	17.5
		3	2	16.47	16.43	16.39	17.5
		3	3	16.49	16.47	16.25	17.5
		6	0	16.53	16.48	16.4	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	16.38	16.47	16.23	17.5
		1	7	15.29	15.44	15.55	17.5
		1	14	16.39	16.34	16.35	17.5
		8	0	16.46	16.58	16.29	17.5
		8	4	16.33	16.28	16.37	17.5
		8	7	16.31	16.35	16.18	17.5
		15	0	16.52	16.4	16.38	17.5
	16QAM	1	0	16.57	16.59	16.44	17.5
		1	7	16.72	16.7	16.5	17.5
		1	14	16.95	16.48	16.55	17.5
		8	0	16.02	16.35	16.28	17.5
		8	4	16.29	16.36	16.39	17.5
		8	7	16.44	16.45	15.97	17.5
		15	0	16.47	16.43	16.24	17.5
	64QAM	1	0	16.77	16.71	16.52	17.5
		1	7	16.4	16.47	16.2	17.5
		1	14	16.66	16.59	16.54	17.5
		8	0	16.52	16.34	16.45	17.5

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		8	4	16.47	16.42	16.42	17.5
		8	7	16.46	16.48	16.26	17.5
		15	0	16.51	16.47	16.41	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	16.44	16.38	16.32	17.5
		1	13	16.55	16.37	16.22	17.5
		1	24	16.33	16.3	16.38	17.5
		12	0	16.45	16.43	16.42	17.5
		12	6	16.41	16.42	16.52	17.5
		12	13	16.45	16.49	16.39	17.5
		25	0	16.44	16.32	16.31	17.5
	16QAM	1	0	16.65	16.9	16.43	17.5
		1	13	16.41	16.77	16.33	17.5
		1	24	16.32	16.64	16.21	17.5
		12	0	16.57	16.45	16.39	17.5
		12	6	16.52	16.37	16.47	17.5
		12	13	16.35	16.53	16.37	17.5
		25	0	16.38	16.23	16.42	17.5
	64QAM	1	0	16.76	16.71	16.5	17.5
		1	13	16.39	16.45	16.2	17.5
		1	24	16.64	16.57	16.56	17.5
		12	0	16.51	16.34	16.44	17.5
		12	6	16.48	16.42	16.41	17.5
		12	13	16.48	16.46	16.24	17.5
		25	0	16.51	16.49	16.38	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	16.54	16.45	16.52	17.5
		1	25	16.69	15.17	16.41	17.5
		1	49	16.4	16.29	16.37	17.5
		25	0	16.48	16.42	16.37	17.5
		25	13	16.41	16.39	16.29	17.5
		25	25	16.43	16.35	16.38	17.5
		50	0	16.38	16.5	16.36	17.5
	16QAM	1	0	16.79	16.66	16.45	17.5
		1	25	16.39	16.33	16.57	17.5
		1	49	16.63	16.49	16.53	17.5
		25	0	16.41	16.49	16.39	17.5
		25	13	16.47	16.38	16.24	17.5
		25	25	16.29	16.27	16.23	17.5
		50	0	16.29	16.28	16.41	17.5

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	64QAM	1	0	16.77	16.7	16.52	17.5
		1	25	16.41	16.45	16.2	17.5
		1	49	16.65	16.6	16.55	17.5
		25	0	16.52	16.34	16.43	17.5
		25	13	16.49	16.43	16.39	17.5
		25	25	16.47	16.46	16.24	17.5
		50	0	16.51	16.47	16.39	17.5

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LTE Band 5 Receiver on(Left head) + hotspot 5G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	14.56	14.39	14.38	15.5
		1	2	14.79	14.12	13.55	15.5
		1	5	14.43	14.44	14.31	15.5
		3	0	14.3	14.46	14.28	15.5
		3	2	14.37	14.41	14.41	15.5
		3	3	14.49	14.24	14.21	15.5
		6	0	14.72	14.53	14.36	15.5
	16QAM	1	0	14.74	15.06	14.62	15.5
		1	2	14.18	14.58	13.82	15.5
		1	5	14.7	14.95	14.89	15.5
		3	0	14.32	13.76	14.15	15.5
		3	2	14.01	14.48	13.56	15.5
		3	3	14.4	14.31	13.89	15.5
		6	0	14.23	14.42	14.38	15.5
	64QAM	1	0	14.69	14.7	14.52	15.5
		1	2	14.37	14.38	14.14	15.5
		1	5	14.6	14.58	14.46	15.5
		3	0	14.44	14.25	14.4	15.5
		3	2	14.43	14.36	14.3	15.5
		3	3	14.42	14.37	14.17	15.5
		6	0	14.49	14.42	14.34	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	14.42	14.38	14.39	15.5
		1	7	14.48	13.45	13.22	15.5
		1	14	14.4	14.36	14.3	15.5
		8	0	14.33	14.23	14.2	15.5
		8	4	14.52	14.34	13.96	15.5
		8	7	14.17	14.49	14.36	15.5
		15	0	14.49	14.42	14.29	15.5
	16QAM	1	0	14.75	14.9	14.3	15.5
		1	7	13.08	14.59	14.11	15.5
		1	14	14.81	14.41	14.64	15.5
		8	0	14.54	14.57	14.35	15.5
		8	4	14.33	14.28	13.95	15.5
		8	7	14.03	14.54	14.28	15.5
		15	0	14.39	14.25	14.31	15.5
	64QAM	1	0	14.7	14.7	14.51	15.5
		1	7	14.4	14.41	14.15	15.5
		1	14	14.62	14.6	14.5	15.5
		8	0	14.48	14.26	14.37	15.5

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		8	4	14.39	14.38	14.37	15.5
		8	7	14.47	14.38	14.17	15.5
		15	0	14.48	14.46	14.33	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	14.41	14.37	14.29	15.5
		1	13	14.4	14.34	14.23	15.5
		1	24	14.56	14.43	14.43	15.5
		12	0	14.48	14.49	14.43	15.5
		12	6	14.45	14.48	14.22	15.5
		12	13	14.47	14.43	14.38	15.5
		25	0	14.46	14.5	14.37	15.5
	16QAM	1	0	14.35	14.75	14.23	15.5
		1	13	14.45	14.38	14.56	15.5
		1	24	14.33	14.2	14.61	15.5
		12	0	14.47	14.46	14.34	15.5
		12	6	14.44	14.49	14.27	15.5
		12	13	14.36	14.42	14.34	15.5
		25	0	14.4	14.32	14.16	15.5
	64QAM	1	0	14.75	14.62	14.46	15.5
		1	13	14.41	14.41	14.15	15.5
		1	24	14.64	14.56	14.47	15.5
		12	0	14.5	14.27	14.37	15.5
		12	6	14.48	14.4	14.29	15.5
		12	13	14.44	14.37	14.23	15.5
		25	0	14.44	14.42	14.32	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	14.59	14.44	14.39	15.5
		1	25	13.7	14.33	14.16	15.5
		1	49	14.32	14.42	14.38	15.5
		25	0	14.48	14.43	14.4	15.5
		25	13	14.49	14.43	14.3	15.5
		25	25	14.4	14.39	14.38	15.5
		50	0	14.49	14.4	14.38	15.5
	16QAM	1	0	14.76	14.29	14.22	15.5
		1	25	14.5	13.8	14.71	15.5
		1	49	14.65	14.67	14.33	15.5
		25	0	14.37	14.33	14.3	15.5
		25	13	14.49	14.4	14.21	15.5
		25	25	14.33	14.31	14.24	15.5
		50	0	14.42	14.34	14.29	15.5

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	64QAM	1	0	14.73	14.62	14.46	15.5
		1	25	14.39	14.43	14.16	15.5
		1	49	14.61	14.53	14.52	15.5
		25	0	14.43	14.28	14.34	15.5
		25	13	14.47	14.38	14.36	15.5
		25	25	14.38	14.4	14.15	15.5
		50	0	14.46	14.44	14.39	15.5

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LTE Band 5 Receiver on(Right head) + hotspot 5G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	14.48	14.36	14.44	15.5
		1	2	13.51	13.56	14.65	15.5
		1	5	14.6	14.42	14.34	15.5
		3	0	14.5	14.59	14.29	15.5
		3	2	14.31	14.45	14.48	15.5
		3	3	14.19	14.22	14.24	15.5
		6	0	14.55	14.44	14.28	15.5
	16QAM	1	0	14.82	14.37	14.43	15.5
		1	2	14.62	14.92	14.19	15.5
		1	5	14.53	14.19	14.75	15.5
		3	0	14.48	14.2	14.15	15.5
		3	2	14.73	14.44	14.42	15.5
		3	3	14.46	14.37	14.18	15.5
		6	0	14.41	14.14	14.28	15.5
	64QAM	1	0	14.69	14.53	14.37	15.5
		1	2	14.36	14.35	14.09	15.5
		1	5	14.55	14.49	14.46	15.5
		3	0	14.38	14.21	14.28	15.5
		3	2	14.38	14.31	14.29	15.5
		3	3	14.29	14.38	14.13	15.5
		6	0	14.44	14.38	14.36	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	14.61	14.39	14.31	15.5
		1	7	13.58	13.18	14.45	15.5
		1	14	14.36	14.38	14.33	15.5
		8	0	14.43	14.26	14.29	15.5
		8	4	14.4	14.41	14.32	15.5
		8	7	14.36	14.36	14.3	15.5
		15	0	14.51	14.41	14.34	15.5
	16QAM	1	0	14.84	14.07	14.1	15.5
		1	7	14.72	14.74	14.57	15.5
		1	14	14.48	15.01	14.77	15.5
		8	0	14.25	14.23	14.47	15.5
		8	4	14.34	14.37	14.23	15.5
		8	7	14.41	14.45	14.41	15.5
		15	0	14.32	14.37	14.27	15.5
	64QAM	1	0	14.65	14.61	14.38	15.5
		1	7	14.37	14.37	14.09	15.5
		1	14	14.59	14.5	14.46	15.5
		8	0	14.35	14.19	14.27	15.5

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		8	4	14.39	14.33	14.32	15.5
		8	7	14.29	14.35	14.08	15.5
		15	0	14.38	14.34	14.31	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	14.49	14.48	14.34	15.5
		1	13	14.39	14.39	14.25	15.5
		1	24	14.34	14.47	14.32	15.5
		12	0	14.5	14.48	14.42	15.5
		12	6	14.43	14.16	14.24	15.5
		12	13	14.47	14.43	14.4	15.5
		25	0	14.35	14.38	14.37	15.5
	16QAM	1	0	14.81	14.73	14.56	15.5
		1	13	14.45	14.27	14.33	15.5
		1	24	14.64	14.83	14.4	15.5
		12	0	14.52	14.39	14.44	15.5
		12	6	14.35	14.24	14.21	15.5
		12	13	14.46	14.51	14.27	15.5
		25	0	14.36	14.3	14.32	15.5
	64QAM	1	0	14.66	14.57	14.39	15.5
		1	13	14.32	14.39	14.12	15.5
		1	24	14.51	14.52	14.52	15.5
		12	0	14.41	14.28	14.28	15.5
		12	6	14.45	14.36	14.35	15.5
		12	13	14.29	14.38	14.1	15.5
		25	0	14.39	14.4	14.37	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	14.45	14.26	14.36	15.5
		1	25	13.44	13.65	14.36	15.5
		1	49	14.27	14.38	14.42	15.5
		25	0	14.44	14.43	14.39	15.5
		25	13	14.48	14.31	14.4	15.5
		25	25	14.38	14.38	14.37	15.5
		50	0	14.35	14.4	14.38	15.5
	16QAM	1	0	14	14.5	14.59	15.5
		1	25	14.94	14.63	14.42	15.5
		1	49	14.83	14.66	13.98	15.5
		25	0	14.43	14.33	14.29	15.5
		25	13	14.34	14.4	14.19	15.5
		25	25	14.52	14.35	14.27	15.5
		50	0	14.41	14.32	14.27	15.5

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	64QAM	1	0	14.72	14.61	14.39	15.5
		1	25	14.35	14.35	14.11	15.5
		1	49	14.54	14.45	14.46	15.5
		25	0	14.34	14.19	14.31	15.5
		25	13	14.46	14.31	14.3	15.5
		25	25	14.33	14.3	14.08	15.5
		50	0	14.39	14.35	14.36	15.5

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LTE Band 5 Receiver on(Left head) + BT				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	17.57	17.43	17.37	18.5
		1	2	17.09	17.01	16.76	18.5
		1	5	17.43	17.37	17.27	18.5
		3	0	17.48	17.38	17.36	18.5
		3	2	16.77	17.27	17.39	18.5
		3	3	17.43	17.57	17.31	18.5
		6	0	17.1	17.43	17.32	18.5
	16QAM	1	0	17.59	17.62	17.91	18.5
		1	2	16.56	17.53	17.35	18.5
		1	5	17.59	17.47	17.66	18.5
		3	0	17.53	17.42	17.42	18.5
		3	2	17.54	17.43	17.43	18.5
		3	3	17.44	17.24	17.23	18.5
		6	0	17.24	17.31	17.22	18.5
	64QAM	1	0	17.68	17.44	17.37	18.5
		1	2	17.35	17.27	17	18.5
		1	5	17.45	17.47	17.44	18.5
		3	0	17.33	17.21	17.24	18.5
		3	2	17.37	17.25	17.24	18.5
		3	3	17.21	17.34	17.05	18.5
		6	0	17.39	17.3	17.32	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	17.55	17.44	17.23	18.5
		1	7	17.86	16.58	16.74	18.5
		1	14	17.46	17.36	17.37	18.5
		8	0	17.49	17.28	17.25	18.5
		8	4	17.43	17.45	17.12	18.5
		8	7	17.59	17.25	17.24	18.5
		15	0	17.53	17.32	17.33	18.5
	16QAM	1	0	18.09	17.86	17.37	18.5
		1	7	16.68	17.21	17.52	18.5
		1	14	17.74	17.38	17.42	18.5
		8	0	17.47	17.43	17.29	18.5
		8	4	17.49	17.52	17.15	18.5
		8	7	17.4	17.13	17.37	18.5
		15	0	17.28	17.47	17.15	18.5
	64QAM	1	0	17.6	17.45	17.32	18.5
		1	7	17.32	17.3	17.05	18.5
		1	14	17.45	17.45	17.39	18.5
		8	0	17.34	17.16	17.25	18.5

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		8	4	17.37	17.23	17.29	18.5
		8	7	17.25	17.3	17.11	18.5
		15	0	17.42	17.31	17.32	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	17.41	17.42	17.38	18.5
		1	13	17.46	17.36	17.33	18.5
		1	24	17.41	17.32	17.3	18.5
		12	0	17.47	17.46	17.34	18.5
		12	6	17.4	17.34	17.41	18.5
		12	13	17.46	17.51	17.41	18.5
		25	0	17.45	17.33	17.38	18.5
	16QAM	1	0	17.46	17.61	17.95	18.5
		1	13	17.6	17.59	17.74	18.5
		1	24	17.64	17.36	17.62	18.5
		12	0	17.5	17.47	17.36	18.5
		12	6	17.4	17.33	17.09	18.5
		12	13	17.38	17.42	17.35	18.5
		25	0	17.44	17.5	17.32	18.5
	64QAM	1	0	17.64	17.44	17.31	18.5
		1	13	17.34	17.3	17.02	18.5
		1	24	17.49	17.41	17.41	18.5
		12	0	17.33	17.16	17.26	18.5
		12	6	17.33	17.21	17.26	18.5
		12	13	17.28	17.33	17.11	18.5
		25	0	17.36	17.33	17.31	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	17.35	17.32	17.34	18.5
		1	25	17.37	17.09	17.24	18.5
		1	49	17.37	17.37	17.23	18.5
		25	0	17.38	17.47	17.33	18.5
		25	13	17.29	17.32	17.35	18.5
		25	25	17.42	17.38	17.45	18.5
		50	0	17.4	17.42	17.3	18.5
	16QAM	1	0	18.11	17.74	17.33	18.5
		1	25	17.86	17.75	17.44	18.5
		1	49	17.5	17.79	17.92	18.5
		25	0	17.3	17.4	17.29	18.5
		25	13	17.42	17.35	17.22	18.5
		25	25	17.3	17.34	17.36	18.5
		50	0	17.33	17.32	17.32	18.5

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	64QAM	1	0	17.6	17.45	17.29	18.5
		1	25	17.31	17.28	17.06	18.5
		1	49	17.54	17.42	17.43	18.5
		25	0	17.31	17.19	17.24	18.5
		25	13	17.28	17.29	17.22	18.5
		25	25	17.23	17.34	17.1	18.5
		50	0	17.42	17.3	17.28	18.5

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LTE Band 5 Receiver on(Right head) + BT				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	17.53	17.45	17.36	18.5
		1	2	17.66	17.58	16.45	18.5
		1	5	17.48	17.39	17.32	18.5
		3	0	17.45	17.46	17.19	18.5
		3	2	17.34	17.32	17.42	18.5
		3	3	17.18	17.37	17.23	18.5
		6	0	17.35	17.31	17.38	18.5
	16QAM	1	0	17.56	17.63	17.52	18.5
		1	2	18.14	17.15	16.79	18.5
		1	5	17.8	17.86	17.65	18.5
		3	0	17.49	17.33	17.28	18.5
		3	2	17.27	16.64	16.93	18.5
		3	3	16.98	16.99	17.39	18.5
		6	0	17.55	17.4	17.15	18.5
	64QAM	1	0	17.55	17.39	17.24	18.5
		1	2	17.26	17.27	17.05	18.5
		1	5	17.49	17.38	17.41	18.5
		3	0	17.31	17.13	17.23	18.5
		3	2	17.25	17.24	17.21	18.5
		3	3	17.23	17.26	17.05	18.5
		6	0	17.41	17.24	17.2	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	17.51	17.44	17.31	18.5
		1	7	16.09	17.19	15.84	18.5
		1	14	17.43	17.32	17.37	18.5
		8	0	17.45	17.62	17.36	18.5
		8	4	17.42	17.56	17.4	18.5
		8	7	17.21	17.36	17.26	18.5
		15	0	17.52	17.43	17.43	18.5
	16QAM	1	0	17.79	18.04	17.58	18.5
		1	7	17.83	17.09	16.4	18.5
		1	14	18.04	17.86	17.49	18.5
		8	0	17.45	17.39	17.27	18.5
		8	4	17.4	17.32	17.3	18.5
		8	7	17.15	17.17	17.25	18.5
		15	0	17.45	17.24	17.21	18.5
	64QAM	1	0	17.54	17.44	17.24	18.5
		1	7	17.29	17.21	17.02	18.5
		1	14	17.48	17.37	17.43	18.5
		8	0	17.28	17.14	17.22	18.5

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		8	4	17.2	17.26	17.16	18.5
		8	7	17.16	17.33	17.02	18.5
		15	0	17.39	17.22	17.21	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	17.47	17.37	17.33	18.5
		1	13	17.43	17.42	17.38	18.5
		1	24	17.31	17.33	17.28	18.5
		12	0	17.45	17.46	17.46	18.5
		12	6	17.38	17.45	17.27	18.5
		12	13	17.44	17.49	17.41	18.5
		25	0	17.3	17.45	17.39	18.5
	16QAM	1	0	17.14	17.83	17.55	18.5
		1	13	17.88	17.15	17.81	18.5
		1	24	17.34	17.84	17.82	18.5
		12	0	17.33	17.37	17.43	18.5
		12	6	17.17	17.44	17.21	18.5
		12	13	17.37	17.54	17.34	18.5
		25	0	17.37	17.39	17.3	18.5
	64QAM	1	0	17.57	17.4	17.24	18.5
		1	13	17.26	17.28	16.99	18.5
		1	24	17.51	17.35	17.41	18.5
		12	0	17.3	17.12	17.19	18.5
		12	6	17.26	17.24	17.18	18.5
		12	13	17.2	17.31	17.05	18.5
		25	0	17.39	17.24	17.21	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	17.42	17.4	17.39	18.5
		1	25	17.12	17.23	17.05	18.5
		1	49	17.43	17.32	17.35	18.5
		25	0	17.49	17.33	17.42	18.5
		25	13	17.4	17.44	17.32	18.5
		25	25	17.41	17.36	17.29	18.5
		50	0	17.38	17.39	17.41	18.5
	16QAM	1	0	17.9	18.02	17.59	18.5
		1	25	17.54	17.63	18	18.5
		1	49	17.15	17.94	17.56	18.5
		25	0	17.47	17.33	17.22	18.5
		25	13	17.27	17.35	17.26	18.5
		25	25	17.45	17.32	17.37	18.5
		50	0	17.31	17.33	17.31	18.5

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	64QAM	1	0	17.57	17.44	17.27	18.5
		1	25	17.28	17.25	17.02	18.5
		1	49	17.53	17.38	17.42	18.5
		25	0	17.3	17.11	17.24	18.5
		25	13	17.24	17.27	17.18	18.5
		25	25	17.22	17.27	17.07	18.5
		50	0	17.39	17.3	17.21	18.5

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LTE Band 5 Receiver off + BT				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	21.61	21.44	21.42	22.5
		1	2	21.8	21.11	21.07	22.5
		1	5	21.41	21.53	21.39	22.5
		3	0	21.51	21.38	21.4	22.5
		3	2	21.3	21.21	20.77	22.5
		3	3	21.55	21.31	21.11	22.5
		6	0	21.48	21.2	20.94	22.5
	16QAM	1	0	22.12	22.02	21.62	22.5
		1	2	21.55	21.42	21.52	22.5
		1	5	21.89	21.99	21.67	22.5
		3	0	21.33	21.62	21.18	22.5
		3	2	21.49	21.14	21.29	22.5
		3	3	21.07	21.01	21.37	22.5
		6	0	20.85	20.87	21.11	22.5
	64QAM	1	0	21.59	21.51	21.3	22.5
		1	2	21.31	21.3	21.06	22.5
		1	5	21.6	21.39	21.45	22.5
		3	0	21.32	21.11	21.27	22.5
		3	2	21.3	21.27	21.24	22.5
		3	3	21.29	21.34	21.08	22.5
		6	0	21.39	21.32	21.23	22.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	21.61	21.47	21.48	22.5
		1	7	20.92	21.06	20.52	22.5
		1	14	21.44	21.33	21.27	22.5
		8	0	21.38	21.34	21.13	22.5
		8	4	21.52	20.94	21.37	22.5
		8	7	21.39	21.46	21.34	22.5
		15	0	21.44	21.49	21.21	22.5
	16QAM	1	0	21.55	21.83	21.63	22.5
		1	7	21.55	20.04	21.54	22.5
		1	14	21.52	21.87	21.89	22.5
		8	0	20.91	20.93	20.78	22.5
		8	4	20.95	20.96	20.9	22.5
		8	7	20.64	20.91	20.93	22.5
		15	0	20.88	20.83	20.62	22.5
	64QAM	1	0	21.58	21.51	21.28	22.5
		1	7	21.35	21.27	21.1	22.5
		1	14	21.54	21.42	21.44	22.5
		8	0	21.32	21.16	21.27	22.5

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		8	4	21.25	21.3	21.24	22.5
		8	7	21.25	21.28	21.13	22.5
		15	0	21.44	21.32	21.27	22.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	21.5	21.37	21.22	22.5
		1	13	21.42	21.49	21.38	22.5
		1	24	21.45	21.37	21.32	22.5
		12	0	21.54	21.56	21.38	22.5
		12	6	21.36	21.51	21.23	22.5
		12	13	21.41	21.5	21.36	22.5
		25	0	21.52	21.44	21.35	22.5
	16QAM	1	0	21.83	21.72	21.8	22.5
		1	13	21.43	21.92	21.66	22.5
		1	24	21.52	21.64	21.9	22.5
		12	0	20.96	21.05	20.95	22.5
		12	6	21	20.97	20.73	22.5
		12	13	21.08	20.96	20.87	22.5
		25	0	20.87	20.91	20.76	22.5
	64QAM	1	0	21.57	21.46	21.31	22.5
		1	13	21.32	21.32	21.07	22.5
		1	24	21.6	21.45	21.44	22.5
		12	0	21.3	21.12	21.3	22.5
		12	6	21.25	21.31	21.21	22.5
		12	13	21.26	21.31	21.1	22.5
		25	0	21.41	21.33	21.25	22.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	21.54	21.39	21.4	22.5
		1	25	21.38	21.4	21.31	22.5
		1	49	21.48	21.49	21.39	22.5
		25	0	21.45	21.42	21.45	22.5
		25	13	21.47	21.44	21.4	22.5
		25	25	21.37	21.49	21.39	22.5
		50	0	21.46	21.5	21.42	22.5
	16QAM	1	0	21.41	21.81	21.68	22.5
		1	25	21.69	20.33	21.66	22.5
		1	49	21.88	21.56	21.87	22.5
		25	0	20.85	20.8	20.84	22.5
		25	13	20.88	20.78	20.81	22.5
		25	25	20.86	20.99	20.8	22.5
		50	0	20.91	20.89	20.77	22.5

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	64QAM	1	0	21.61	21.51	21.27	22.5
		1	25	21.35	21.32	21.08	22.5
		1	49	21.6	21.45	21.43	22.5
		25	0	21.33	21.12	21.28	22.5
		25	13	21.28	21.28	21.19	22.5
		25	25	21.27	21.27	21.09	22.5
		50	0	21.4	21.3	21.26	22.5

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LTE Band 5 Receiver on(Left head) + WiFi2.4G Ant1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20407	Channel 20525	Channel 20643	Tune up
1.4MHz	QPSK	1	0	16.54	16.38	16.34	17.5
		1	2	16.6	16.68	16.53	17.5
		1	5	16.45	16.41	16.28	17.5
		3	0	16.43	16.43	16.36	17.5
		3	2	16.47	16.1	16.26	17.5
		3	3	16.37	16.43	16.22	17.5
		6	0	16.44	16.5	16.1	17.5
	16QAM	1	0	16.82	16.62	16.39	17.5
		1	2	16.69	15.89	15.98	17.5
		1	5	16.7	16.75	16.67	17.5
		3	0	16.66	15.74	16.2	17.5
		3	2	15.94	16.33	16.28	17.5
		3	3	16.41	16.39	16.46	17.5
		6	0	16.57	16.56	16.17	17.5
	64QAM	1	0	16.5	16.33	16.17	17.5
		1	2	16.23	16.23	16.03	17.5
		1	5	16.44	16.32	16.36	17.5
		3	0	16.28	16.04	16.16	17.5
		3	2	16.21	16.23	16.13	17.5
		3	3	16.2	16.18	16.05	17.5
		6	0	16.32	16.18	16.19	17.5
Bandwidth	Modulation	RB size	RB offset	Channel 20415	Channel 20525	Channel 20635	Tune up
3MHz	QPSK	1	0	16.44	16.37	16.27	17.5
		1	7	15.27	16.41	14.98	17.5
		1	14	16.46	16.37	16.32	17.5
		8	0	16.37	16.45	16.2	17.5
		8	4	16.36	16.33	16.36	17.5
		8	7	16.39	16.43	16.43	17.5
		15	0	16.43	16.43	16.37	17.5
	16QAM	1	0	16.8	16.67	16.5	17.5
		1	7	16.42	16.24	16.18	17.5
		1	14	16.7	16.69	16.21	17.5
		8	0	16.38	15.95	16.16	17.5
		8	4	16.46	16.52	16.27	17.5
		8	7	16.33	16.46	16.45	17.5
		15	0	16.35	16.34	16.35	17.5
	64QAM	1	0	16.53	16.34	16.17	17.5
		1	7	16.19	16.25	16.04	17.5
		1	14	16.4	16.29	16.31	17.5
		8	0	16.28	16.04	16.18	17.5

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		8	4	16.24	16.17	16.12	17.5
		8	7	16.17	16.19	16.04	17.5
		15	0	16.34	16.15	16.12	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	16.39	16.38	16.37	17.5
		1	13	16.41	16.54	16.35	17.5
		1	24	16.33	16.31	16.36	17.5
		12	0	16.41	16.49	16.52	17.5
		12	6	16.42	16.37	16.34	17.5
		12	13	16.41	16.46	16.35	17.5
		25	0	16.46	16.36	16.32	17.5
	16QAM	1	0	16.78	16.74	16.69	17.5
		1	13	16.86	16.76	16.66	17.5
		1	24	16.65	16.6	16.5	17.5
		12	0	16.59	16.41	16.26	17.5
		12	6	16.44	16.55	16.33	17.5
		12	13	16.44	16.39	16.55	17.5
		25	0	16.3	16.37	16.28	17.5
	64QAM	1	0	16.5	16.36	16.21	17.5
		1	13	16.24	16.22	16.02	17.5
		1	24	16.44	16.35	16.39	17.5
		12	0	16.31	16.06	16.19	17.5
		12	6	16.15	16.17	16.21	17.5
		12	13	16.22	16.19	16	17.5
		25	0	16.33	16.17	16.12	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	16.37	16.44	16.41	17.5
		1	25	16.41	15.93	15.51	17.5
		1	49	16.34	16.43	16.31	17.5
		25	0	16.44	16.34	16.33	17.5
		25	13	16.35	16.34	16.27	17.5
		25	25	16.37	16.44	16.35	17.5
		50	0	16.46	16.4	16.33	17.5
	16QAM	1	0	16.62	16.59	16.91	17.5
		1	25	16.74	16.65	15.8	17.5
		1	49	16.55	15.92	16.48	17.5
		25	0	16.45	16.35	16.39	17.5
		25	13	16.38	16.45	16.26	17.5
		25	25	16.4	16.35	16.26	17.5
		50	0	16.33	16.3	16.24	17.5

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	64QAM	1	0	16.48	16.31	16.21	17.5
		1	25	16.25	16.22	15.98	17.5
		1	49	16.48	16.34	16.39	17.5
		25	0	16.25	16.05	16.16	17.5
		25	13	16.24	16.24	16.2	17.5
		25	25	16.14	16.19	15.95	17.5
		50	0	16.36	16.22	16.12	17.5

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LTE Band 5 Receiver on(Right head) + WiFi2.4G Ant1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20407	Channel 20525	Channel 20643	Tune up
1.4MHz	QPSK	1	0	16.45	16.47	16.3	17.5
		1	2	16.43	15.97	16.5	17.5
		1	5	16.39	16.44	16.34	17.5
		3	0	16.41	16.39	16.56	17.5
		3	2	16.05	16.25	16.22	17.5
		3	3	16.42	16.14	16.25	17.5
		6	0	16.01	16.23	16.23	17.5
	16QAM	1	0	16.98	16.89	16.68	17.5
		1	2	16.33	16.47	16.6	17.5
		1	5	16.5	16.87	16.86	17.5
		3	0	16.27	16.47	16.57	17.5
		3	2	16.65	17.07	16.19	17.5
		3	3	16.74	16.24	16.25	17.5
		6	0	15.91	16.37	16.28	17.5
	64QAM	1	0	16.44	16.28	16.13	17.5
		1	2	16.25	16.16	15.96	17.5
		1	5	16.46	16.31	16.39	17.5
		3	0	16.19	15.97	16.15	17.5
		3	2	16.17	16.19	16.13	17.5
		3	3	16.09	16.12	15.92	17.5
		6	0	16.28	16.18	16.09	17.5
Bandwidth	Modulation	RB size	RB offset	Channel 20415	Channel 20525	Channel 20635	Tune up
3MHz	QPSK	1	0	16.5	16.57	16.37	17.5
		1	7	15.88	15.48	14.67	17.5
		1	14	16.41	16.49	16.3	17.5
		8	0	16.17	16.38	16.29	17.5
		8	4	16.53	16.2	16.31	17.5
		8	7	16.37	16.4	15.81	17.5
		15	0	16.28	16.4	16.46	17.5
	16QAM	1	0	16.39	16.4	16.87	17.5
		1	7	16.78	16.13	16.31	17.5
		1	14	16.9	16.77	16.85	17.5
		8	0	16.45	16.29	16.1	17.5
		8	4	16.27	16.37	16.37	17.5
		8	7	16.14	16.43	16.3	17.5
		15	0	16.32	16.34	16.32	17.5
	64QAM	1	0	16.45	16.31	16.17	17.5
		1	7	16.16	16.17	15.9	17.5
		1	14	16.46	16.27	16.36	17.5
		8	0	16.25	16.01	16.12	17.5

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		8	4	16.2	16.21	16.19	17.5
		8	7	16.05	16.12	15.94	17.5
		15	0	16.32	16.2	16.05	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	16.36	16.39	16.34	17.5
		1	13	16.47	16.34	16.21	17.5
		1	24	16.33	16.47	16.36	17.5
		12	0	16.44	16.51	16.29	17.5
		12	6	16.37	16.38	16.35	17.5
		12	13	16.44	16.49	16.35	17.5
		25	0	16.28	16.44	16.34	17.5
	16QAM	1	0	16.69	16.92	16.7	17.5
		1	13	16.8	16.71	16.47	17.5
		1	24	16.21	16.36	16.66	17.5
		12	0	16.38	16.33	16.45	17.5
		12	6	16.4	16.5	16.31	17.5
		12	13	16.34	16.42	16.29	17.5
		25	0	16.44	16.27	16.24	17.5
	64QAM	1	0	16.42	16.25	16.12	17.5
		1	13	16.17	16.15	15.89	17.5
		1	24	16.44	16.28	16.39	17.5
		12	0	16.16	15.95	16.08	17.5
		12	6	16.19	16.24	16.17	17.5
		12	13	16.05	16.11	15.88	17.5
		25	0	16.33	16.18	16.1	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	16.49	16.45	16.37	17.5
		1	25	16.49	16.42	16	17.5
		1	49	16.24	16.31	16.25	17.5
		25	0	16.38	16.4	16.4	17.5
		25	13	16.29	16.39	16.38	17.5
		25	25	16.42	16.32	16.29	17.5
		50	0	16.38	16.45	16.4	17.5
	16QAM	1	0	16.66	16.75	16.77	17.5
		1	25	16.35	17.18	16.64	17.5
		1	49	16.79	16.46	16.74	17.5
		25	0	16.34	16.33	16.3	17.5
		25	13	16.44	16.4	16.09	17.5
		25	25	16.38	16.37	16.28	17.5
		50	0	16.2	16.33	16.23	17.5

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	64QAM	1	0	16.44	16.22	16.2	17.5
		1	25	16.24	16.16	15.93	17.5
		1	49	16.47	16.29	16.32	17.5
		25	0	16.22	16.04	16.13	17.5
		25	13	16.24	16.16	16.19	17.5
		25	25	16.13	16.19	15.89	17.5
		50	0	16.3	16.16	16.12	17.5

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LTE Band 5 Receiver off + WiFi2.4G Ant1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	20.5	20.39	20.41	21.5
		1	2	20.04	20	19.98	21.5
		1	5	20.47	20.44	20.3	21.5
		3	0	20.68	20.3	20.37	21.5
		3	2	20.36	19.66	20.52	21.5
		3	3	20.54	20.29	20.27	21.5
		6	0	20.29	20.33	20.3	21.5
	16QAM	1	0	20.81	20.92	20.41	21.5
		1	2	20.34	20.29	20.01	21.5
		1	5	21.02	20.4	20.22	21.5
		3	0	20.28	20.3	20.31	21.5
		3	2	19.77	20.72	19.8	21.5
		3	3	20.53	19.95	20.19	21.5
		6	0	20.43	20.34	20.03	21.5
	64QAM	1	0	20.43	20.22	20.06	21.5
		1	2	20.17	20.07	19.89	21.5
		1	5	20.46	20.26	20.38	21.5
		3	0	20.11	19.88	20.08	21.5
		3	2	20.08	20.16	20.11	21.5
		3	3	20	20.12	19.84	21.5
		6	0	20.23	20.13	20.06	21.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	20.54	20.41	20.17	21.5
		1	7	20.3	19.82	19.9	21.5
		1	14	20.29	20.29	20.4	21.5
		8	0	20.48	20.33	20.42	21.5
		8	4	20.45	20.47	20.42	21.5
		8	7	20.23	20.44	20.19	21.5
		15	0	20.38	20.5	20.35	21.5
	16QAM	1	0	21.03	20.91	20.67	21.5
		1	7	20.58	21.51	19.83	21.5
		1	14	20.41	20.62	20.64	21.5
		8	0	20.41	20.28	20.34	21.5
		8	4	20.27	20.38	20.22	21.5
		8	7	20.35	20.26	20.33	21.5
		15	0	20.28	20.46	20.39	21.5
	64QAM	1	0	20.41	20.23	20.05	21.5
		1	7	20.17	20.11	19.88	21.5
		1	14	20.44	20.21	20.38	21.5
		8	0	20.15	19.93	20.07	21.5

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		8	4	20.12	20.14	20.11	21.5
		8	7	20.06	20.08	19.85	21.5
		15	0	20.23	20.1	20.04	21.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	20.49	20.44	20.34	21.5
		1	13	20.42	20.4	20.32	21.5
		1	24	20.49	20.35	20.32	21.5
		12	0	20.4	20.42	20.36	21.5
		12	6	20.31	20.28	20.29	21.5
		12	13	20.48	20.46	20.3	21.5
		25	0	20.45	20.41	20.38	21.5
	16QAM	1	0	20.96	20.29	20.21	21.5
		1	13	20.71	20.82	20.61	21.5
		1	24	20.93	20.61	20.52	21.5
		12	0	20.45	20.47	20.44	21.5
		12	6	20.42	20.22	20.12	21.5
		12	13	20.45	20.46	20.22	21.5
		25	0	20.23	20.32	20.2	21.5
	64QAM	1	0	20.36	20.23	20.04	21.5
		1	13	20.16	20.07	19.87	21.5
		1	24	20.38	20.23	20.37	21.5
		12	0	20.16	19.91	20.09	21.5
		12	6	20.15	20.12	20.07	21.5
		12	13	20.01	20.11	19.87	21.5
		25	0	20.25	20.12	20.04	21.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	20.51	20.44	20.33	21.5
		1	25	19.99	20.39	20.22	21.5
		1	49	20.29	20.33	20.27	21.5
		25	0	20.43	20.41	20.35	21.5
		25	13	20.33	20.28	20.35	21.5
		25	25	20.45	20.33	20.33	21.5
		50	0	20.43	20.46	20.32	21.5
	16QAM	1	0	20.78	20.89	20.76	21.5
		1	25	21.08	20.69	20.31	21.5
		1	49	20.59	20.81	20.59	21.5
		25	0	20.43	20.4	20.41	21.5
		25	13	20.47	20.26	20.1	21.5
		25	25	20.34	20.3	20.31	21.5
		50	0	20.35	20.32	20.22	21.5

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	64QAM	1	0	20.44	20.24	20.09	21.5
		1	25	20.18	20.1	19.94	21.5
		1	49	20.38	20.25	20.35	21.5
		25	0	20.17	19.94	20.14	21.5
		25	13	20.15	20.18	20.03	21.5
		25	25	20.07	20.04	19.89	21.5
		50	0	20.21	20.09	20.03	21.5

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LTE Band 5 Receiver on(Left head) + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	14.57	14.49	14.45	15.5
		1	2	13.81	13.37	13.88	15.5
		1	5	14.51	14.32	14.38	15.5
		3	0	14.35	14.43	14.34	15.5
		3	2	14.45	14.53	14.01	15.5
		3	3	14.23	14.54	14.26	15.5
		6	0	14.25	14.41	14.24	15.5
	16QAM	1	0	14.69	14.75	14.67	15.5
		1	2	14.48	14.28	14.1	15.5
		1	5	15.06	14.75	14.53	15.5
		3	0	14.2	13.8	14.38	15.5
		3	2	14.29	14.61	14.19	15.5
		3	3	14.32	14.24	14.27	15.5
		6	0	14.72	14.43	14.21	15.5
	64QAM	1	0	14.5	14.31	14.13	15.5
		1	2	14.24	14.19	13.98	15.5
		1	5	14.41	14.35	14.43	15.5
		3	0	14.23	13.98	14.19	15.5
		3	2	14.21	14.26	14.12	15.5
		3	3	14.11	14.07	13.97	15.5
		6	0	14.3	14.19	14.06	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	14.45	14.4	14.37	15.5
		1	7	13.83	14.48	12.9	15.5
		1	14	14.31	14.43	14.37	15.5
		8	0	14.4	14.29	14.23	15.5
		8	4	14.34	14.36	14.4	15.5
		8	7	14.05	14.5	14.22	15.5
		15	0	14.31	14.35	14.31	15.5
	16QAM	1	0	14.81	14.79	14.83	15.5
		1	7	14.93	15.32	14.38	15.5
		1	14	14.43	14.21	14.54	15.5
		8	0	14.2	14.54	14.3	15.5
		8	4	14.28	14.26	14.35	15.5
		8	7	14.27	14.5	14.29	15.5
		15	0	14.36	14.4	14.33	15.5
	64QAM	1	0	14.47	14.33	14.12	15.5
		1	7	14.21	14.12	13.97	15.5
		1	14	14.42	14.34	14.38	15.5
		8	0	14.21	14.03	14.18	15.5

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		8	4	14.16	14.27	14.05	15.5
		8	7	14.17	14.11	13.97	15.5
		15	0	14.27	14.15	14.1	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	14.45	14.47	14.4	15.5
		1	13	14.46	14.45	14.34	15.5
		1	24	14.36	14.39	14.34	15.5
		12	0	14.41	14.4	14.26	15.5
		12	6	14.22	14.43	14.27	15.5
		12	13	14.37	14.46	14.33	15.5
		25	0	14.52	14.41	14.28	15.5
	16QAM	1	0	14.77	14.71	14.46	15.5
		1	13	14.39	14.85	14.6	15.5
		1	24	14.78	14.22	14.38	15.5
		12	0	14.52	14.47	14.36	15.5
		12	6	14.5	14.38	14.07	15.5
		12	13	14.43	14.4	14.3	15.5
		25	0	14.45	14.37	14.26	15.5
	64QAM	1	0	14.48	14.24	14.1	15.5
		1	13	14.2	14.12	14.03	15.5
		1	24	14.4	14.33	14.42	15.5
		12	0	14.22	13.95	14.19	15.5
		12	6	14.2	14.22	14.04	15.5
		12	13	14.14	14.06	13.95	15.5
		25	0	14.3	14.13	14.05	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	14.44	14.36	14.36	15.5
		1	25	14.32	13.71	13.7	15.5
		1	49	14.36	14.35	14.28	15.5
		25	0	14.43	14.39	14.34	15.5
		25	13	14.32	14.3	14.35	15.5
		25	25	14.38	14.39	14.35	15.5
		50	0	14.36	14.38	14.34	15.5
	16QAM	1	0	14.67	14.58	14.86	15.5
		1	25	14.01	14.27	14.54	15.5
		1	49	14.56	14.55	14.52	15.5
		25	0	14.42	14.25	14.4	15.5
		25	13	14.22	14.29	14.24	15.5
		25	25	14.31	14.33	14.19	15.5
		50	0	14.37	14.28	14.37	15.5

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	64QAM	1	0	14.5	14.27	14.18	15.5
		1	25	14.23	14.12	14.01	15.5
		1	49	14.42	14.26	14.35	15.5
		25	0	14.23	13.96	14.22	15.5
		25	13	14.22	14.26	14.08	15.5
		25	25	14.14	14.06	13.95	15.5
		50	0	14.3	14.11	14.07	15.5

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LTE Band 5 Receiver on(Right head) + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	14.44	14.47	14.41	15.5
		1	2	14.78	14.7	14.04	15.5
		1	5	14.38	14.41	14.37	15.5
		3	0	14.4	14.38	14.21	15.5
		3	2	14.46	14.12	14.2	15.5
		3	3	14.43	13.92	14.3	15.5
		6	0	14.52	14.47	14.2	15.5
	16QAM	1	0	15.04	14.96	14.05	15.5
		1	2	14.91	14.51	14.76	15.5
		1	5	14.36	14.81	14.52	15.5
		3	0	14.52	14.59	14.24	15.5
		3	2	14.42	14.63	14.45	15.5
		3	3	14.22	14.52	14.21	15.5
		6	0	14.21	14.58	14.34	15.5
	64QAM	1	0	14.45	14.29	14.06	15.5
		1	2	14.18	14.12	13.89	15.5
		1	5	14.39	14.35	14.34	15.5
		3	0	14.21	13.94	14.16	15.5
		3	2	14.15	14.25	14.05	15.5
		3	3	14.02	14	13.9	15.5
		6	0	14.24	14.12	14.02	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	14.39	14.38	14.23	15.5
		1	7	13.67	14.11	14.73	15.5
		1	14	14.49	14.33	14.28	15.5
		8	0	14.27	14.46	14.3	15.5
		8	4	14.32	14.22	14.17	15.5
		8	7	14.3	14.15	14.37	15.5
		15	0	14.43	14.47	14.3	15.5
	16QAM	1	0	14.78	14.88	14.41	15.5
		1	7	14.51	14.65	13.33	15.5
		1	14	14.37	14.7	14.72	15.5
		8	0	14.54	14.23	14.28	15.5
		8	4	14.46	14.11	14.17	15.5
		8	7	14.25	14.42	14.14	15.5
		15	0	14.38	14.27	14.24	15.5
	64QAM	1	0	14.44	14.3	14.08	15.5
		1	7	14.14	14.16	13.9	15.5
		1	14	14.34	14.26	14.36	15.5
		8	0	14.14	13.94	14.13	15.5

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		8	4	14.16	14.25	14.07	15.5
		8	7	14.03	14.05	13.93	15.5
		15	0	14.25	14.14	13.96	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	14.51	14.37	14.32	15.5
		1	13	14.29	14.46	14.37	15.5
		1	24	14.3	14.4	14.32	15.5
		12	0	14.51	14.49	14.41	15.5
		12	6	14.24	14.42	14.36	15.5
		12	13	14.47	14.42	14.4	15.5
		25	0	14.31	14.37	14.34	15.5
	16QAM	1	0	14.58	14.74	14.79	15.5
		1	13	14.99	14.57	14.36	15.5
		1	24	14.63	14.48	14.39	15.5
		12	0	14.42	14.37	14.33	15.5
		12	6	14.59	14.33	14.37	15.5
		12	13	14.39	14.52	14.3	15.5
		25	0	14.34	14.29	14.27	15.5
	64QAM	1	0	14.43	14.3	14.11	15.5
		1	13	14.24	14.1	13.88	15.5
		1	24	14.33	14.34	14.42	15.5
		12	0	14.19	13.9	14.09	15.5
		12	6	14.13	14.17	14.06	15.5
		12	13	14.05	14.02	13.89	15.5
		25	0	14.26	14.13	14.03	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	14.47	14.46	14.32	15.5
		1	25	14.66	14.31	14.44	15.5
		1	49	14.36	14.37	14.23	15.5
		25	0	14.42	14.4	14.32	15.5
		25	13	14.49	14.42	14.45	15.5
		25	25	14.39	14.38	14.33	15.5
		50	0	14.48	14.38	14.44	15.5
	16QAM	1	0	14.42	15.05	14.72	15.5
		1	25	14.36	14.36	14.66	15.5
		1	49	14.5	14.9	14.46	15.5
		25	0	14.44	14.33	14.36	15.5
		25	13	14.16	14.25	14.24	15.5
		25	25	14.44	14.39	14.37	15.5
		50	0	14.29	14.27	14.22	15.5

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	64QAM	1	0	14.49	14.23	14.09	15.5
		1	25	14.23	14.15	13.89	15.5
		1	49	14.32	14.25	14.42	15.5
		25	0	14.18	13.96	14.18	15.5
		25	13	14.16	14.17	14.11	15.5
		25	25	14.07	14	13.96	15.5
		50	0	14.26	14.18	14.06	15.5

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LTE Band 5 Receiver off + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	18.44	18.53	18.28	19.5
		1	2	17.72	17.34	17.31	19.5
		1	5	18.5	18.41	18.35	19.5
		3	0	18.26	18.31	18.25	19.5
		3	2	17.83	17.45	18.15	19.5
		3	3	18.1	18.22	18.17	19.5
		6	0	18.3	18.24	18.43	19.5
	16QAM	1	0	18.95	18.47	18.64	19.5
		1	2	18.71	18.62	18.14	19.5
		1	5	18.87	18.86	18.74	19.5
		3	0	18.37	18.4	18.13	19.5
		3	2	17.82	18.99	18.25	19.5
		3	3	18.51	18.4	18.27	19.5
		6	0	18.1	18.35	18.12	19.5
	64QAM	1	0	18.58	18.32	18.16	19.5
		1	2	18.26	18.16	17.95	19.5
		1	5	18.33	18.34	18.48	19.5
		3	0	18.19	18.01	18.25	19.5
		3	2	18.21	18.19	18.19	19.5
		3	3	18.14	18.02	17.96	19.5
		6	0	18.27	18.2	18.16	19.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	18.58	18.34	18.35	19.5
		1	7	18.78	18.32	18.22	19.5
		1	14	18.39	18.34	18.33	19.5
		8	0	18.54	18.5	18.37	19.5
		8	4	18.12	18.39	17.99	19.5
		8	7	18.26	18.4	18.34	19.5
		15	0	18.46	18.42	18.39	19.5
	16QAM	1	0	18.75	18.22	18.65	19.5
		1	7	18.91	18.77	18.71	19.5
		1	14	18.25	18.31	18.65	19.5
		8	0	17.99	18.28	18.33	19.5
		8	4	18.42	18.24	18.24	19.5
		8	7	18.37	18.53	18.16	19.5
		15	0	18.4	18.4	18.3	19.5
	64QAM	1	0	18.58	18.33	18.12	19.5
		1	7	18.29	18.23	17.9	19.5
		1	14	18.34	18.34	18.46	19.5
		8	0	18.24	18.03	18.22	19.5

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		8	4	18.25	18.24	18.16	19.5
		8	7	18.16	18.09	18.03	19.5
		15	0	18.36	18.21	18.15	19.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	18.36	18.43	18.18	19.5
		1	13	18.47	18.37	18.32	19.5
		1	24	18.36	18.41	18.35	19.5
		12	0	18.46	18.49	18.43	19.5
		12	6	18.34	18.36	18.38	19.5
		12	13	18.44	18.39	18.41	19.5
		25	0	18.4	18.33	18.34	19.5
	16QAM	1	0	18.57	18.3	18.7	19.5
		1	13	18.86	18.49	18.09	19.5
		1	24	18.75	18.8	18.66	19.5
		12	0	18.45	18.36	18.36	19.5
		12	6	18.41	18.52	18.37	19.5
		12	13	18.4	18.51	18.42	19.5
		25	0	18.27	18.36	18.21	19.5
	64QAM	1	0	18.58	18.31	18.11	19.5
		1	13	18.32	18.17	17.93	19.5
		1	24	18.33	18.28	18.5	19.5
		12	0	18.21	18.05	18.23	19.5
		12	6	18.16	18.2	18.15	19.5
		12	13	18.16	18.01	17.97	19.5
		25	0	18.26	18.24	18.12	19.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	18.52	18.33	18.39	19.5
		1	25	17.92	18.53	17.93	19.5
		1	49	18.34	18.25	18.28	19.5
		25	0	18.36	18.35	18.42	19.5
		25	13	18.39	18.46	18.3	19.5
		25	25	18.41	18.37	18.38	19.5
		50	0	18.36	18.39	18.38	19.5
	16QAM	1	0	18.87	18.42	18.62	19.5
		1	25	18.23	18.37	18.47	19.5
		1	49	18.78	18.74	18.34	19.5
		25	0	18.32	18.36	18.31	19.5
		25	13	18.35	18.27	18.32	19.5
		25	25	18.27	18.4	18.27	19.5
		50	0	18.36	18.39	18.19	19.5

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	64QAM	1	0	18.52	18.33	18.16	19.5
		1	25	18.23	18.24	17.9	19.5
		1	49	18.34	18.34	18.51	19.5
		25	0	18.2	17.99	18.27	19.5
		25	13	18.22	18.24	18.16	19.5
		25	25	18.15	18.02	17.97	19.5
		50	0	18.34	18.21	18.1	19.5

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LTE Band 5 Receiver on(Left head) + BT + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	14.57	14.49	14.45	15.5
		1	2	13.81	13.37	13.88	15.5
		1	5	14.51	14.32	14.38	15.5
		3	0	14.35	14.43	14.34	15.5
		3	2	14.45	14.53	14.01	15.5
		3	3	14.23	14.54	14.26	15.5
		6	0	14.25	14.41	14.24	15.5
	16QAM	1	0	14.69	14.75	14.67	15.5
		1	2	14.48	14.28	14.1	15.5
		1	5	15.06	14.75	14.53	15.5
		3	0	14.2	13.8	14.38	15.5
		3	2	14.29	14.61	14.19	15.5
		3	3	14.32	14.24	14.27	15.5
		6	0	14.72	14.43	14.21	15.5
	64QAM	1	0	14.5	14.31	14.13	15.5
		1	2	14.24	14.19	13.98	15.5
		1	5	14.41	14.35	14.43	15.5
		3	0	14.23	13.98	14.19	15.5
		3	2	14.21	14.26	14.12	15.5
		3	3	14.11	14.07	13.97	15.5
		6	0	14.3	14.19	14.06	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	14.45	14.4	14.37	15.5
		1	7	13.83	14.48	12.9	15.5
		1	14	14.31	14.43	14.37	15.5
		8	0	14.4	14.29	14.23	15.5
		8	4	14.34	14.36	14.4	15.5
		8	7	14.05	14.5	14.22	15.5
		15	0	14.31	14.35	14.31	15.5
	16QAM	1	0	14.81	14.79	14.83	15.5
		1	7	14.93	15.32	14.38	15.5
		1	14	14.43	14.21	14.54	15.5
		8	0	14.2	14.54	14.3	15.5
		8	4	14.28	14.26	14.35	15.5
		8	7	14.27	14.5	14.29	15.5
		15	0	14.36	14.4	14.33	15.5
	64QAM	1	0	14.47	14.33	14.12	15.5
		1	7	14.21	14.12	13.97	15.5
		1	14	14.42	14.34	14.38	15.5
		8	0	14.21	14.03	14.18	15.5

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		8	4	14.16	14.27	14.05	15.5
		8	7	14.17	14.11	13.97	15.5
		15	0	14.27	14.15	14.1	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	14.45	14.47	14.4	15.5
		1	13	14.46	14.45	14.34	15.5
		1	24	14.36	14.39	14.34	15.5
		12	0	14.41	14.4	14.26	15.5
		12	6	14.22	14.43	14.27	15.5
		12	13	14.37	14.46	14.33	15.5
		25	0	14.52	14.41	14.28	15.5
	16QAM	1	0	14.77	14.71	14.46	15.5
		1	13	14.39	14.85	14.6	15.5
		1	24	14.78	14.22	14.38	15.5
		12	0	14.52	14.47	14.36	15.5
		12	6	14.5	14.38	14.07	15.5
		12	13	14.43	14.4	14.3	15.5
		25	0	14.45	14.37	14.26	15.5
	64QAM	1	0	14.48	14.24	14.1	15.5
		1	13	14.2	14.12	14.03	15.5
		1	24	14.4	14.33	14.42	15.5
		12	0	14.22	13.95	14.19	15.5
		12	6	14.2	14.22	14.04	15.5
		12	13	14.14	14.06	13.95	15.5
		25	0	14.3	14.13	14.05	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	14.44	14.36	14.36	15.5
		1	25	14.32	13.71	13.7	15.5
		1	49	14.36	14.35	14.28	15.5
		25	0	14.43	14.39	14.34	15.5
		25	13	14.32	14.3	14.35	15.5
		25	25	14.38	14.39	14.35	15.5
		50	0	14.36	14.38	14.34	15.5
	16QAM	1	0	14.67	14.58	14.86	15.5
		1	25	14.01	14.27	14.54	15.5
		1	49	14.56	14.55	14.52	15.5
		25	0	14.42	14.25	14.4	15.5
		25	13	14.22	14.29	14.24	15.5
		25	25	14.31	14.33	14.19	15.5
		50	0	14.37	14.28	14.37	15.5

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	64QAM	1	0	14.5	14.27	14.18	15.5
		1	25	14.23	14.12	14.01	15.5
		1	49	14.42	14.26	14.35	15.5
		25	0	14.23	13.96	14.22	15.5
		25	13	14.22	14.26	14.08	15.5
		25	25	14.14	14.06	13.95	15.5
		50	0	14.3	14.11	14.07	15.5

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LTE Band 5 Receiver on(Right head) + BT + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20407	Channel 20525	Channel 20643	Tune up
1.4MHz	QPSK	1	0	14.44	14.47	14.41	15.5
		1	2	14.78	14.7	14.04	15.5
		1	5	14.38	14.41	14.37	15.5
		3	0	14.4	14.38	14.21	15.5
		3	2	14.46	14.12	14.2	15.5
		3	3	14.43	13.92	14.3	15.5
		6	0	14.52	14.47	14.2	15.5
	16QAM	1	0	15.04	14.96	14.05	15.5
		1	2	14.91	14.51	14.76	15.5
		1	5	14.36	14.81	14.52	15.5
		3	0	14.52	14.59	14.24	15.5
		3	2	14.42	14.63	14.45	15.5
		3	3	14.22	14.52	14.21	15.5
		6	0	14.21	14.58	14.34	15.5
	64QAM	1	0	14.45	14.29	14.06	15.5
		1	2	14.18	14.12	13.89	15.5
		1	5	14.39	14.35	14.34	15.5
		3	0	14.21	13.94	14.16	15.5
		3	2	14.15	14.25	14.05	15.5
		3	3	14.02	14	13.9	15.5
		6	0	14.24	14.12	14.02	15.5
Bandwidth	Modulation	RB size	RB offset	Channel 20415	Channel 20525	Channel 20635	Tune up
3MHz	QPSK	1	0	14.39	14.38	14.23	15.5
		1	7	13.67	14.11	14.73	15.5
		1	14	14.49	14.33	14.28	15.5
		8	0	14.27	14.46	14.3	15.5
		8	4	14.32	14.22	14.17	15.5
		8	7	14.3	14.15	14.37	15.5
		15	0	14.43	14.47	14.3	15.5
	16QAM	1	0	14.78	14.88	14.41	15.5
		1	7	14.51	14.65	13.33	15.5
		1	14	14.37	14.7	14.72	15.5
		8	0	14.54	14.23	14.28	15.5
		8	4	14.46	14.11	14.17	15.5
		8	7	14.25	14.42	14.14	15.5
		15	0	14.38	14.27	14.24	15.5
	64QAM	1	0	14.44	14.3	14.08	15.5
		1	7	14.14	14.16	13.9	15.5
		1	14	14.34	14.26	14.36	15.5
		8	0	14.14	13.94	14.13	15.5

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		8	4	14.16	14.25	14.07	15.5
		8	7	14.03	14.05	13.93	15.5
		15	0	14.25	14.14	13.96	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	14.51	14.37	14.32	15.5
		1	13	14.29	14.46	14.37	15.5
		1	24	14.3	14.4	14.32	15.5
		12	0	14.51	14.49	14.41	15.5
		12	6	14.24	14.42	14.36	15.5
		12	13	14.47	14.42	14.4	15.5
		25	0	14.31	14.37	14.34	15.5
	16QAM	1	0	14.58	14.74	14.79	15.5
		1	13	14.99	14.57	14.36	15.5
		1	24	14.63	14.48	14.39	15.5
		12	0	14.42	14.37	14.33	15.5
		12	6	14.59	14.33	14.37	15.5
		12	13	14.39	14.52	14.3	15.5
		25	0	14.34	14.29	14.27	15.5
	64QAM	1	0	14.43	14.3	14.11	15.5
		1	13	14.24	14.1	13.88	15.5
		1	24	14.33	14.34	14.42	15.5
		12	0	14.19	13.9	14.09	15.5
		12	6	14.13	14.17	14.06	15.5
		12	13	14.05	14.02	13.89	15.5
		25	0	14.26	14.13	14.03	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	14.47	14.46	14.32	15.5
		1	25	14.66	14.31	14.44	15.5
		1	49	14.36	14.37	14.23	15.5
		25	0	14.42	14.4	14.32	15.5
		25	13	14.49	14.42	14.45	15.5
		25	25	14.39	14.38	14.33	15.5
		50	0	14.48	14.38	14.44	15.5
	16QAM	1	0	14.42	15.05	14.72	15.5
		1	25	14.36	14.36	14.66	15.5
		1	49	14.5	14.9	14.46	15.5
		25	0	14.44	14.33	14.36	15.5
		25	13	14.16	14.25	14.24	15.5
		25	25	14.44	14.39	14.37	15.5
		50	0	14.29	14.27	14.22	15.5

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	64QAM	1	0	14.49	14.23	14.09	15.5
		1	25	14.23	14.15	13.89	15.5
		1	49	14.32	14.25	14.42	15.5
		25	0	14.18	13.96	14.18	15.5
		25	13	14.16	14.17	14.11	15.5
		25	25	14.07	14	13.96	15.5
		50	0	14.26	14.18	14.06	15.5

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LTE Band 5 Receiver off + BT + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	18.44	18.53	18.28	19.5
		1	2	17.72	17.34	17.31	19.5
		1	5	18.5	18.41	18.35	19.5
		3	0	18.26	18.31	18.25	19.5
		3	2	17.83	17.45	18.15	19.5
		3	3	18.1	18.22	18.17	19.5
		6	0	18.3	18.24	18.43	19.5
	16QAM	1	0	18.95	18.47	18.64	19.5
		1	2	18.71	18.62	18.14	19.5
		1	5	18.87	18.86	18.74	19.5
		3	0	18.37	18.4	18.13	19.5
		3	2	17.82	18.99	18.25	19.5
		3	3	18.51	18.4	18.27	19.5
		6	0	18.1	18.35	18.12	19.5
	64QAM	1	0	18.58	18.32	18.16	19.5
		1	2	18.26	18.16	17.95	19.5
		1	5	18.33	18.34	18.48	19.5
		3	0	18.19	18.01	18.25	19.5
		3	2	18.21	18.19	18.19	19.5
		3	3	18.14	18.02	17.96	19.5
		6	0	18.27	18.2	18.16	19.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	18.58	18.34	18.35	19.5
		1	7	18.78	18.32	18.22	19.5
		1	14	18.39	18.34	18.33	19.5
		8	0	18.54	18.5	18.37	19.5
		8	4	18.12	18.39	17.99	19.5
		8	7	18.26	18.4	18.34	19.5
		15	0	18.46	18.42	18.39	19.5
	16QAM	1	0	18.75	18.22	18.65	19.5
		1	7	18.91	18.77	18.71	19.5
		1	14	18.25	18.31	18.65	19.5
		8	0	17.99	18.28	18.33	19.5
		8	4	18.42	18.24	18.24	19.5
		8	7	18.37	18.53	18.16	19.5
		15	0	18.4	18.4	18.3	19.5
	64QAM	1	0	18.58	18.33	18.12	19.5
		1	7	18.29	18.23	17.9	19.5
		1	14	18.34	18.34	18.46	19.5
		8	0	18.24	18.03	18.22	19.5

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		8	4	18.25	18.24	18.16	19.5
		8	7	18.16	18.09	18.03	19.5
		15	0	18.36	18.21	18.15	19.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	18.36	18.43	18.18	19.5
		1	13	18.47	18.37	18.32	19.5
		1	24	18.36	18.41	18.35	19.5
		12	0	18.46	18.49	18.43	19.5
		12	6	18.34	18.36	18.38	19.5
		12	13	18.44	18.39	18.41	19.5
		25	0	18.4	18.33	18.34	19.5
	16QAM	1	0	18.57	18.3	18.7	19.5
		1	13	18.86	18.49	18.09	19.5
		1	24	18.75	18.8	18.66	19.5
		12	0	18.45	18.36	18.36	19.5
		12	6	18.41	18.52	18.37	19.5
		12	13	18.4	18.51	18.42	19.5
		25	0	18.27	18.36	18.21	19.5
	64QAM	1	0	18.58	18.31	18.11	19.5
		1	13	18.32	18.17	17.93	19.5
		1	24	18.33	18.28	18.5	19.5
		12	0	18.21	18.05	18.23	19.5
		12	6	18.16	18.2	18.15	19.5
		12	13	18.16	18.01	17.97	19.5
		25	0	18.26	18.24	18.12	19.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	18.52	18.33	18.39	19.5
		1	25	17.92	18.53	17.93	19.5
		1	49	18.34	18.25	18.28	19.5
		25	0	18.36	18.35	18.42	19.5
		25	13	18.39	18.46	18.3	19.5
		25	25	18.41	18.37	18.38	19.5
		50	0	18.36	18.39	18.38	19.5
	16QAM	1	0	18.87	18.42	18.62	19.5
		1	25	18.23	18.37	18.47	19.5
		1	49	18.78	18.74	18.34	19.5
		25	0	18.32	18.36	18.31	19.5
		25	13	18.35	18.27	18.32	19.5
		25	25	18.27	18.4	18.27	19.5
		50	0	18.36	18.39	18.19	19.5

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	64QAM	1	0	18.52	18.33	18.16	19.5
		1	25	18.23	18.24	17.9	19.5
		1	49	18.34	18.34	18.51	19.5
		25	0	18.2	17.99	18.27	19.5
		25	13	18.22	18.24	18.16	19.5
		25	25	18.15	18.02	17.97	19.5
		50	0	18.34	18.21	18.1	19.5

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LTE Band 5 Receiver on(Left head) + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	16.54	16.38	16.34	17.5
		1	2	16.6	16.68	16.53	17.5
		1	5	16.45	16.41	16.28	17.5
		3	0	16.43	16.43	16.36	17.5
		3	2	16.47	16.1	16.26	17.5
		3	3	16.37	16.43	16.22	17.5
		6	0	16.44	16.5	16.1	17.5
	16QAM	1	0	16.82	16.62	16.39	17.5
		1	2	16.69	15.89	15.98	17.5
		1	5	16.7	16.75	16.67	17.5
		3	0	16.66	15.74	16.2	17.5
		3	2	15.94	16.33	16.28	17.5
		3	3	16.41	16.39	16.46	17.5
		6	0	16.57	16.56	16.17	17.5
	64QAM	1	0	16.5	16.33	16.17	17.5
		1	2	16.23	16.23	16.03	17.5
		1	5	16.44	16.32	16.36	17.5
		3	0	16.28	16.04	16.16	17.5
		3	2	16.21	16.23	16.13	17.5
		3	3	16.2	16.18	16.05	17.5
		6	0	16.32	16.18	16.19	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	16.44	16.37	16.27	17.5
		1	7	15.27	16.41	14.98	17.5
		1	14	16.46	16.37	16.32	17.5
		8	0	16.37	16.45	16.2	17.5
		8	4	16.36	16.33	16.36	17.5
		8	7	16.39	16.43	16.43	17.5
		15	0	16.43	16.43	16.37	17.5
	16QAM	1	0	16.8	16.67	16.5	17.5
		1	7	16.42	16.24	16.18	17.5
		1	14	16.7	16.69	16.21	17.5
		8	0	16.38	15.95	16.16	17.5
		8	4	16.46	16.52	16.27	17.5
		8	7	16.33	16.46	16.45	17.5
		15	0	16.35	16.34	16.35	17.5
	64QAM	1	0	16.53	16.34	16.17	17.5
		1	7	16.19	16.25	16.04	17.5
		1	14	16.4	16.29	16.31	17.5
		8	0	16.28	16.04	16.18	17.5

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		8	4	16.24	16.17	16.12	17.5
		8	7	16.17	16.19	16.04	17.5
		15	0	16.34	16.15	16.12	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	16.39	16.38	16.37	17.5
		1	13	16.41	16.54	16.35	17.5
		1	24	16.33	16.31	16.36	17.5
		12	0	16.41	16.49	16.52	17.5
		12	6	16.42	16.37	16.34	17.5
		12	13	16.41	16.46	16.35	17.5
		25	0	16.46	16.36	16.32	17.5
	16QAM	1	0	16.78	16.74	16.69	17.5
		1	13	16.86	16.76	16.66	17.5
		1	24	16.65	16.6	16.5	17.5
		12	0	16.59	16.41	16.26	17.5
		12	6	16.44	16.55	16.33	17.5
		12	13	16.44	16.39	16.55	17.5
		25	0	16.3	16.37	16.28	17.5
	64QAM	1	0	16.5	16.36	16.21	17.5
		1	13	16.24	16.22	16.02	17.5
		1	24	16.44	16.35	16.39	17.5
		12	0	16.31	16.06	16.19	17.5
		12	6	16.15	16.17	16.21	17.5
		12	13	16.22	16.19	16	17.5
		25	0	16.33	16.17	16.12	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	16.37	16.44	16.41	17.5
		1	25	16.41	15.93	15.51	17.5
		1	49	16.34	16.43	16.31	17.5
		25	0	16.44	16.34	16.33	17.5
		25	13	16.35	16.34	16.27	17.5
		25	25	16.37	16.44	16.35	17.5
		50	0	16.46	16.4	16.33	17.5
	16QAM	1	0	16.62	16.59	16.91	17.5
		1	25	16.74	16.65	15.8	17.5
		1	49	16.55	15.92	16.48	17.5
		25	0	16.45	16.35	16.39	17.5
		25	13	16.38	16.45	16.26	17.5
		25	25	16.4	16.35	16.26	17.5
		50	0	16.33	16.3	16.24	17.5

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	64QAM	1	0	16.48	16.31	16.21	17.5
		1	25	16.25	16.22	15.98	17.5
		1	49	16.48	16.34	16.39	17.5
		25	0	16.25	16.05	16.16	17.5
		25	13	16.24	16.24	16.2	17.5
		25	25	16.14	16.19	15.95	17.5
		50	0	16.36	16.22	16.12	17.5

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LTE Band 5 Receiver on(Right head) + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20407	Channel 20525	Channel 20643	Tune up
1.4MHz	QPSK	1	0	16.45	16.47	16.3	17.5
		1	2	16.43	15.97	16.5	17.5
		1	5	16.39	16.44	16.34	17.5
		3	0	16.41	16.39	16.56	17.5
		3	2	16.05	16.25	16.22	17.5
		3	3	16.42	16.14	16.25	17.5
		6	0	16.01	16.23	16.23	17.5
	16QAM	1	0	16.98	16.89	16.68	17.5
		1	2	16.33	16.47	16.6	17.5
		1	5	16.5	16.87	16.86	17.5
		3	0	16.27	16.47	16.57	17.5
		3	2	16.65	17.07	16.19	17.5
		3	3	16.74	16.24	16.25	17.5
		6	0	15.91	16.37	16.28	17.5
	64QAM	1	0	16.44	16.28	16.13	17.5
		1	2	16.25	16.16	15.96	17.5
		1	5	16.46	16.31	16.39	17.5
		3	0	16.19	15.97	16.15	17.5
		3	2	16.17	16.19	16.13	17.5
		3	3	16.09	16.12	15.92	17.5
		6	0	16.28	16.18	16.09	17.5
Bandwidth	Modulation	RB size	RB offset	Channel 20415	Channel 20525	Channel 20635	Tune up
3MHz	QPSK	1	0	16.5	16.57	16.37	17.5
		1	7	15.88	15.48	14.67	17.5
		1	14	16.41	16.49	16.3	17.5
		8	0	16.17	16.38	16.29	17.5
		8	4	16.53	16.2	16.31	17.5
		8	7	16.37	16.4	15.81	17.5
		15	0	16.28	16.4	16.46	17.5
	16QAM	1	0	16.39	16.4	16.87	17.5
		1	7	16.78	16.13	16.31	17.5
		1	14	16.9	16.77	16.85	17.5
		8	0	16.45	16.29	16.1	17.5
		8	4	16.27	16.37	16.37	17.5
		8	7	16.14	16.43	16.3	17.5
		15	0	16.32	16.34	16.32	17.5
	64QAM	1	0	16.45	16.31	16.17	17.5
		1	7	16.16	16.17	15.9	17.5
		1	14	16.46	16.27	16.36	17.5
		8	0	16.25	16.01	16.12	17.5

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		8	4	16.2	16.21	16.19	17.5
		8	7	16.05	16.12	15.94	17.5
		15	0	16.32	16.2	16.05	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	16.36	16.39	16.34	17.5
		1	13	16.47	16.34	16.21	17.5
		1	24	16.33	16.47	16.36	17.5
		12	0	16.44	16.51	16.29	17.5
		12	6	16.37	16.38	16.35	17.5
		12	13	16.44	16.49	16.35	17.5
		25	0	16.28	16.44	16.34	17.5
	16QAM	1	0	16.69	16.92	16.7	17.5
		1	13	16.8	16.71	16.47	17.5
		1	24	16.21	16.36	16.66	17.5
		12	0	16.38	16.33	16.45	17.5
		12	6	16.4	16.5	16.31	17.5
		12	13	16.34	16.42	16.29	17.5
		25	0	16.44	16.27	16.24	17.5
	64QAM	1	0	16.42	16.25	16.12	17.5
		1	13	16.17	16.15	15.89	17.5
		1	24	16.44	16.28	16.39	17.5
		12	0	16.16	15.95	16.08	17.5
		12	6	16.19	16.24	16.17	17.5
		12	13	16.05	16.11	15.88	17.5
		25	0	16.33	16.18	16.1	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	16.49	16.45	16.37	17.5
		1	25	16.49	16.42	16	17.5
		1	49	16.24	16.31	16.25	17.5
		25	0	16.38	16.4	16.4	17.5
		25	13	16.29	16.39	16.38	17.5
		25	25	16.42	16.32	16.29	17.5
		50	0	16.38	16.45	16.4	17.5
	16QAM	1	0	16.66	16.75	16.77	17.5
		1	25	16.35	17.18	16.64	17.5
		1	49	16.79	16.46	16.74	17.5
		25	0	16.34	16.33	16.3	17.5
		25	13	16.44	16.4	16.09	17.5
		25	25	16.38	16.37	16.28	17.5
		50	0	16.2	16.33	16.23	17.5

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	64QAM	1	0	16.44	16.22	16.2	17.5
		1	25	16.24	16.16	15.93	17.5
		1	49	16.47	16.29	16.32	17.5
		25	0	16.22	16.04	16.13	17.5
		25	13	16.24	16.16	16.19	17.5
		25	25	16.13	16.19	15.89	17.5
		50	0	16.3	16.16	16.12	17.5

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LTE Band 5 Receiver off + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20407	Channel 20525	Channel 20643	Tune up
1.4MHz	QPSK	1	0	20.5	20.39	20.41	21.5
		1	2	20.04	20	19.98	21.5
		1	5	20.47	20.44	20.3	21.5
		3	0	20.68	20.3	20.37	21.5
		3	2	20.36	19.66	20.52	21.5
		3	3	20.54	20.29	20.27	21.5
		6	0	20.29	20.33	20.3	21.5
	16QAM	1	0	20.81	20.92	20.41	21.5
		1	2	20.34	20.29	20.01	21.5
		1	5	21.02	20.4	20.22	21.5
		3	0	20.28	20.3	20.31	21.5
		3	2	19.77	20.72	19.8	21.5
		3	3	20.53	19.95	20.19	21.5
		6	0	20.43	20.34	20.03	21.5
	64QAM	1	0	20.43	20.22	20.06	21.5
		1	2	20.17	20.07	19.89	21.5
		1	5	20.46	20.26	20.38	21.5
		3	0	20.11	19.88	20.08	21.5
		3	2	20.08	20.16	20.11	21.5
		3	3	20	20.12	19.84	21.5
		6	0	20.23	20.13	20.06	21.5
Bandwidth	Modulation	RB size	RB offset	Channel 20415	Channel 20525	Channel 20635	Tune up
3MHz	QPSK	1	0	20.54	20.41	20.17	21.5
		1	7	20.3	19.82	19.9	21.5
		1	14	20.29	20.29	20.4	21.5
		8	0	20.48	20.33	20.42	21.5
		8	4	20.45	20.47	20.42	21.5
		8	7	20.23	20.44	20.19	21.5
		15	0	20.38	20.5	20.35	21.5
	16QAM	1	0	21.03	20.91	20.67	21.5
		1	7	20.58	21.51	19.83	21.5
		1	14	20.41	20.62	20.64	21.5
		8	0	20.41	20.28	20.34	21.5
		8	4	20.27	20.38	20.22	21.5
		8	7	20.35	20.26	20.33	21.5
		15	0	20.28	20.46	20.39	21.5
	64QAM	1	0	20.41	20.23	20.05	21.5
		1	7	20.17	20.11	19.88	21.5
		1	14	20.44	20.21	20.38	21.5
		8	0	20.15	19.93	20.07	21.5

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		8	4	20.12	20.14	20.11	21.5
		8	7	20.06	20.08	19.85	21.5
		15	0	20.23	20.1	20.04	21.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	20.49	20.44	20.34	21.5
		1	13	20.42	20.4	20.32	21.5
		1	24	20.49	20.35	20.32	21.5
		12	0	20.4	20.42	20.36	21.5
		12	6	20.31	20.28	20.29	21.5
		12	13	20.48	20.46	20.3	21.5
		25	0	20.45	20.41	20.38	21.5
	16QAM	1	0	20.96	20.29	20.21	21.5
		1	13	20.71	20.82	20.61	21.5
		1	24	20.93	20.61	20.52	21.5
		12	0	20.45	20.47	20.44	21.5
		12	6	20.42	20.22	20.12	21.5
		12	13	20.45	20.46	20.22	21.5
		25	0	20.23	20.32	20.2	21.5
	64QAM	1	0	20.36	20.23	20.04	21.5
		1	13	20.16	20.07	19.87	21.5
		1	24	20.38	20.23	20.37	21.5
		12	0	20.16	19.91	20.09	21.5
		12	6	20.15	20.12	20.07	21.5
		12	13	20.01	20.11	19.87	21.5
		25	0	20.25	20.12	20.04	21.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	20.51	20.44	20.33	21.5
		1	25	19.99	20.39	20.22	21.5
		1	49	20.29	20.33	20.27	21.5
		25	0	20.43	20.41	20.35	21.5
		25	13	20.33	20.28	20.35	21.5
		25	25	20.45	20.33	20.33	21.5
		50	0	20.43	20.46	20.32	21.5
	16QAM	1	0	20.78	20.89	20.76	21.5
		1	25	21.08	20.69	20.31	21.5
		1	49	20.59	20.81	20.59	21.5
		25	0	20.43	20.4	20.41	21.5
		25	13	20.47	20.26	20.1	21.5
		25	25	20.34	20.3	20.31	21.5
		50	0	20.35	20.32	20.22	21.5

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	64QAM	1	0	20.44	20.24	20.09	21.5
		1	25	20.18	20.1	19.94	21.5
		1	49	20.38	20.25	20.35	21.5
		25	0	20.17	19.94	20.14	21.5
		25	13	20.15	20.18	20.03	21.5
		25	25	20.07	20.04	19.89	21.5
		50	0	20.21	20.09	20.03	21.5

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LTE Band 7 Receiver on(Left head)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	15.58	15.67	15.62	16.3
		1	13	15.67	15.68	15.65	16.3
		1	24	15.69	15.71	15.66	16.3
		12	0	15.67	15.75	15.68	16.3
		12	6	15.61	15.66	15.59	16.3
		12	13	15.68	15.73	15.67	16.3
		25	0	15.64	15.7	15.62	16.3
	16QAM	1	0	15.84	15.92	15.96	16.3
		1	13	15.93	15.85	15.84	16.3
		1	24	16.09	16.02	15.96	16.3
		12	0	15.66	15.69	15.65	16.3
		12	6	15.64	15.68	15.64	16.3
		12	13	15.66	15.65	15.62	16.3
		25	0	15.59	15.64	15.65	16.3
	64QAM	1	0	15.12	15.08	14.98	16.3
		1	13	14.52	14.73	14.6	16.3
		1	24	15.04	15.22	15.25	16.3
		12	0	14.74	14.76	14.85	16.3
		12	6	14.74	14.79	14.88	16.3
		12	13	14.62	14.8	14.92	16.3
		25	0	14.7	14.73	14.88	16.3
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	15.66	15.57	15.64	16.3
		1	25	15.37	15.3	15.39	16.3
		1	49	15.67	15.66	15.68	16.3
		25	0	15.65	15.69	15.61	16.3
		25	13	15.64	15.69	15.66	16.3
		25	25	15.72	15.72	15.68	16.3
		50	0	15.66	15.71	15.62	16.3
	16QAM	1	0	15.82	15.93	15.91	16.3
		1	25	15.73	15.68	15.78	16.3
		1	49	15.95	15.87	15.89	16.3
		25	0	15.64	15.64	15.53	16.3
		25	13	15.67	15.62	15.6	16.3
		25	25	15.62	15.65	15.64	16.3
		50	0	15.63	15.59	15.54	16.3
	64QAM	1	0	15.12	15.08	14.98	16.3
		1	25	14.52	14.73	14.6	16.3
		1	49	15.04	15.22	15.25	16.3
		25	0	14.74	14.76	14.85	16.3

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		25	13	14.74	14.79	14.88	16.3
		25	25	14.62	14.8	14.92	16.3
		50	0	14.7	14.73	14.88	16.3
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	15.62	15.63	15.55	16.3
		1	38	15.7	15.71	15.68	16.3
		1	74	15.62	15.74	15.68	16.3
		36	0	15.73	15.7	15.66	16.3
		36	18	15.7	15.74	15.67	16.3
		36	39	15.77	15.78	15.77	16.3
		75	0	15.7	15.7	15.65	16.3
	16QAM	1	0	15.99	15.93	15.88	16.3
		1	38	15.91	16.03	15.89	16.3
		1	74	15.9	15.98	15.98	16.3
		36	0	15.65	15.67	15.61	16.3
		36	18	15.64	15.73	15.63	16.3
		36	39	15.72	15.67	15.7	16.3
		75	0	15.64	15.65	15.58	16.3
	64QAM	1	0	15.12	15.08	14.98	16.3
		1	38	14.52	14.73	14.6	16.3
		1	74	15.04	15.22	15.25	16.3
		36	0	14.74	14.76	14.85	16.3
		36	18	14.74	14.79	14.88	16.3
		36	39	14.62	14.8	14.92	16.3
		75	0	14.7	14.73	14.88	16.3
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	15.69	15.67	15.71	16.3
		1	50	15.49	15.51	15.36	16.3
		1	99	15.8	15.89	15.87	16.3
		50	0	15.67	15.71	15.65	16.3
		50	25	15.65	15.72	15.7	16.3
		50	50	15.74	15.79	15.77	16.3
		100	0	15.68	15.69	15.64	16.3
	16QAM	1	0	16.05	15.93	15.99	16.3
		1	50	15.53	15.65	15.9	16.3
		1	99	16.2	16.16	16.08	16.3
		50	0	15.63	15.6	15.56	16.3
		50	25	15.58	15.65	15.63	16.3
		50	50	15.63	15.67	15.7	16.3
		100	0	15.6	15.63	15.58	16.3

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	64QAM	1	0	15.12	15.08	14.98	16.3
		1	50	14.52	14.73	14.6	16.3
		1	99	15.04	15.22	15.25	16.3
		50	0	14.74	14.76	14.85	16.3
		50	25	14.74	14.79	14.88	16.3
		50	50	14.62	14.8	14.92	16.3
		100	0	14.7	14.73	14.88	16.3

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LTE Band 7 Receiver on(Right head)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	14.58	14.69	14.64	15.3
		1	13	14.64	14.61	14.68	15.3
		1	24	14.66	14.67	14.62	15.3
		12	0	14.66	14.72	14.66	15.3
		12	6	14.54	14.67	14.63	15.3
		12	13	14.72	14.76	14.66	15.3
		25	0	14.68	14.66	14.62	15.3
	16QAM	1	0	14.86	14.99	14.84	15.3
		1	13	14.95	14.99	14.99	15.3
		1	24	14.89	14.97	14.93	15.3
		12	0	14.67	14.74	14.66	15.3
		12	6	14.61	14.68	14.67	15.3
		12	13	14.69	14.65	14.65	15.3
		25	0	14.57	14.65	14.61	15.3
	64QAM	1	0	14.17	14.15	14.08	15.3
		1	13	13.54	13.77	13.65	15.3
		1	24	13.96	14.22	14.33	15.3
		12	0	13.87	13.88	13.95	15.3
		12	6	13.73	13.8	13.87	15.3
		12	13	13.75	13.77	13.91	15.3
		25	0	13.75	13.76	13.95	15.3
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	14.59	14.56	14.62	15.3
		1	25	14.62	14.38	14.64	15.3
		1	49	14.63	14.67	14.68	15.3
		25	0	14.68	14.69	14.66	15.3
		25	13	14.68	14.69	14.68	15.3
		25	25	14.67	14.73	14.68	15.3
		50	0	14.65	14.66	14.62	15.3
	16QAM	1	0	14.8	14.91	14.9	15.3
		1	25	14.67	14.81	14.58	15.3
		1	49	14.94	14.93	14.96	15.3
		25	0	14.58	14.61	14.61	15.3
		25	13	14.62	14.6	14.62	15.3
		25	25	14.63	14.65	14.64	15.3
		50	0	14.59	14.57	14.62	15.3
	64QAM	1	0	14.18	14.14	14.13	15.3
		1	25	13.56	13.75	13.65	15.3
		1	49	14	14.22	14.31	15.3

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		25	0	13.82	13.87	13.87	15.3
		25	13	13.69	13.81	13.91	15.3
		25	25	13.75	13.82	13.94	15.3
		50	0	13.74	13.78	13.94	15.3
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	14.62	14.6	14.56	15.3
		1	38	14.69	14.77	14.7	15.3
		1	74	14.66	14.71	14.72	15.3
		36	0	14.7	14.68	14.66	15.3
		36	18	14.7	14.71	14.65	15.3
		36	39	14.74	14.75	14.72	15.3
		75	0	14.72	14.7	14.69	15.3
	16QAM	1	0	14.88	14.92	14.96	15.3
		1	38	14.95	15.03	14.88	15.3
		1	74	14.92	15.06	14.95	15.3
		36	0	14.64	14.65	14.6	15.3
		36	18	14.68	14.66	14.64	15.3
		36	39	14.7	14.73	14.67	15.3
		75	0	14.6	14.62	14.64	15.3
	64QAM	1	0	14.2	14.15	14.12	15.3
		1	38	13.6	13.72	13.71	15.3
		1	74	14.01	14.22	14.29	15.3
		36	0	13.8	13.88	13.92	15.3
		36	18	13.77	13.83	13.88	15.3
		36	39	13.72	13.74	13.98	15.3
		75	0	13.81	13.81	13.93	15.3
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	14.69	14.71	14.67	15.3
		1	50	14.52	14.54	14.47	15.3
		1	99	14.8	14.94	14.89	15.3
		50	0	14.7	14.68	14.65	15.3
		50	25	14.68	14.71	14.61	15.3
		50	50	14.71	14.72	14.69	15.3
		100	0	14.75	14.7	14.66	15.3
	16QAM	1	0	14.9	14.93	15.05	15.3
		1	50	14.7	14.7	14.55	15.3
		1	99	15.06	15.11	15.17	15.3
		50	0	14.61	14.64	14.58	15.3
		50	25	14.64	14.62	14.56	15.3
		50	50	14.65	14.66	14.63	15.3
		100	0	14.68	14.67	14.6	15.3

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	64QAM	1	0	14.18	14.12	14.07	15.3
		1	50	13.59	13.75	13.68	15.3
		1	99	14.05	14.25	14.31	15.3
		50	0	13.8	13.79	13.88	15.3
		50	25	13.75	13.82	13.89	15.3
		50	50	13.69	13.82	13.99	15.3
		100	0	13.79	13.75	13.89	15.3

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LTE Band 7 Receiver off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	18.18	18.11	17.9	19.3
		1	13	18.11	18.21	17.99	19.3
		1	24	18.06	18.3	17.95	19.3
		12	0	18.21	18.18	18.04	19.3
		12	6	18.17	18.16	18.04	19.3
		12	13	18.23	18.19	18.14	19.3
		25	0	18.18	18.17	18.12	19.3
	16QAM	1	0	18.51	18.18	18.15	19.3
		1	13	18.19	18.5	18.27	19.3
		1	24	18.4	18.48	18.22	19.3
		12	0	18.23	18.16	18.05	19.3
		12	6	18.12	18.15	18.05	19.3
		12	13	18.13	18.17	18.02	19.3
		25	0	18.13	18.1	17.93	19.3
	64QAM	1	0	18.24	18.1	18.11	19.3
		1	13	17.57	17.78	17.71	19.3
		1	24	18	18.25	18.29	19.3
		12	0	17.84	17.87	17.9	19.3
		12	6	17.75	17.82	17.89	19.3
		12	13	17.75	17.78	17.94	19.3
		25	0	17.79	17.83	17.91	19.3
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	18.03	18.17	17.9	19.3
		1	25	18.31	18.25	17.97	19.3
		1	49	18.2	18.13	18.07	19.3
		25	0	18.24	18.13	18.04	19.3
		25	13	18.2	18.21	18.09	19.3
		25	25	18.13	18.19	18	19.3
		50	0	18.15	18.18	17.94	19.3
	16QAM	1	0	18.47	18.3	18.35	19.3
		1	25	18.46	17.74	17.31	19.3
		1	49	18.56	18.29	18.27	19.3
		25	0	18.22	18.13	17.98	19.3
		25	13	18.22	18.14	18.1	19.3
		25	25	18.09	18.2	18.12	19.3
		50	0	18.06	18.15	17.97	19.3
	64QAM	1	0	18.22	18.13	18.14	19.3
		1	25	17.6	17.78	17.73	19.3
		1	49	18.05	18.27	18.33	19.3
		25	0	17.89	17.85	17.94	19.3

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		25	13	17.76	17.78	17.93	19.3
		25	25	17.75	17.77	17.96	19.3
		50	0	17.78	17.79	17.91	19.3
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	18.05	18.03	18.01	19.3
		1	38	18.28	18.27	18.11	19.3
		1	74	18.25	17.96	18.02	19.3
		36	0	18.28	18.23	18.08	19.3
		36	18	18.23	18.12	18.07	19.3
		36	39	18.22	18.14	18.06	19.3
		75	0	18.22	18.22	18.03	19.3
	16QAM	1	0	18.42	18.45	18.49	19.3
		1	38	18.35	18.46	18.43	19.3
		1	74	17.77	18.41	18.37	19.3
		36	0	18.14	18.06	18.1	19.3
		36	18	18.1	18.22	17.96	19.3
		36	39	18.16	18.06	17.99	19.3
		75	0	18.12	18.19	18.01	19.3
	64QAM	1	0	18.22	18.14	18.11	19.3
		1	38	17.57	17.78	17.73	19.3
		1	74	18.03	18.25	18.28	19.3
		36	0	17.86	17.87	17.95	19.3
		36	18	17.75	17.8	17.9	19.3
		36	39	17.73	17.79	17.95	19.3
		75	0	17.79	17.79	17.93	19.3
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	18.23	18.27	18.14	19.3
		1	50	17.91	18.27	17.47	19.3
		1	99	18.28	18.19	18.07	19.3
		50	0	18.22	18.16	18.13	19.3
		50	25	18.18	18.15	18.14	19.3
		50	50	18.19	18.15	18.12	19.3
		100	0	18.2	18.12	18.04	19.3
	16QAM	1	0	18.68	18.62	18.5	19.3
		1	50	18.29	18.1	17.86	19.3
		1	99	18.24	18.3	18.41	19.3
		50	0	18.12	18.13	18.04	19.3
		50	25	18.16	18.17	17.96	19.3
		50	50	18.08	18.11	18.1	19.3
		100	0	18.15	18.06	17.96	19.3

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	64QAM	1	0	18.26	18.16	18.14	19.3
		1	50	17.61	17.82	17.73	19.3
		1	99	18.05	18.29	18.34	19.3
		50	0	17.89	17.89	17.95	19.3
		50	25	17.79	17.84	17.93	19.3
		50	50	17.77	17.82	18	19.3
		100	0	17.82	17.84	17.96	19.3

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LTE Band 7 Receiver off + hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	15.1	15.02	15.05	16.3
		1	13	14.99	15.16	14.99	16.3
		1	24	15.26	15.25	15	16.3
		12	0	15.18	15.16	15.08	16.3
		12	6	15.18	15.01	15.02	16.3
		12	13	15.23	15.08	15.08	16.3
		25	0	15.07	15.16	15.06	16.3
	16QAM	1	0	15.23	15.13	15.41	16.3
		1	13	15.4	15.31	15.41	16.3
		1	24	15.4	15.39	15.06	16.3
		12	0	15.25	15.21	15	16.3
		12	6	15.12	15.14	15.03	16.3
		12	13	15.2	15.12	14.96	16.3
		25	0	15.13	15.18	14.94	16.3
	64QAM	1	0	15.17	15.16	15.1	16.3
		1	13	14.6	14.78	14.66	16.3
		1	24	14.97	15.22	15.25	16.3
		12	0	14.85	14.88	14.91	16.3
		12	6	14.78	14.81	14.86	16.3
		12	13	14.75	14.73	14.92	16.3
		25	0	14.73	14.84	14.93	16.3
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	15.11	15.01	15.02	16.3
		1	25	14.99	15.01	14.4	16.3
		1	49	15.11	15.01	14.89	16.3
		25	0	15.1	15.1	15.02	16.3
		25	13	15.23	15.14	15.05	16.3
		25	25	15.2	15.13	14.97	16.3
		50	0	15.05	15.13	15.05	16.3
	16QAM	1	0	15.46	14.96	15.34	16.3
		1	25	14.51	14.19	14.72	16.3
		1	49	15.45	15.44	15.13	16.3
		25	0	15.07	14.99	15.1	16.3
		25	13	15.12	15.09	14.87	16.3
		25	25	15	15.11	14.87	16.3
		50	0	14.99	15.1	14.9	16.3
	64QAM	1	0	15.26	15.13	15.08	16.3
		1	25	14.6	14.8	14.67	16.3
		1	49	14.97	15.21	15.24	16.3
		25	0	14.88	14.79	14.87	16.3

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		25	13	14.75	14.76	14.85	16.3
		25	25	14.71	14.77	14.94	16.3
		50	0	14.8	14.76	14.95	16.3
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	15.07	15.05	14.94	16.3
		1	38	15.14	15.18	15.06	16.3
		1	74	15.21	15.21	15.05	16.3
		36	0	15.13	15.14	15.08	16.3
		36	18	15.22	15.16	15.04	16.3
		36	39	15.16	15.13	15.05	16.3
		75	0	15.11	15.06	15.04	16.3
	16QAM	1	0	15.02	15.24	15.34	16.3
		1	38	15.49	15.67	15.4	16.3
		1	74	15.39	15.62	15.21	16.3
		36	0	15.16	15.11	14.98	16.3
		36	18	15.15	15.16	14.98	16.3
		36	39	15.2	15.09	15.11	16.3
		75	0	15.18	15.14	14.94	16.3
	64QAM	1	0	15.17	15.11	15.14	16.3
		1	38	14.56	14.75	14.71	16.3
		1	74	15.03	15.19	15.25	16.3
		36	0	14.81	14.87	14.88	16.3
		36	18	14.76	14.82	14.84	16.3
		36	39	14.69	14.8	14.92	16.3
		75	0	14.77	14.75	14.87	16.3
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	15.3	15.2	15.21	16.3
		1	50	15.08	15.09	14.96	16.3
		1	99	15.19	15.13	15.08	16.3
		50	0	15.28	15.12	15.01	16.3
		50	25	15.11	15.25	14.99	16.3
		50	50	15.19	15.16	15.12	16.3
		100	0	15.17	15.14	15.04	16.3
	16QAM	1	0	15.55	15.12	15.44	16.3
		1	50	15.39	14.22	15.27	16.3
		1	99	15.63	15.4	15.24	16.3
		50	0	15.22	15.06	14.9	16.3
		50	25	15.14	15.17	14.91	16.3
		50	50	15.01	15.04	14.95	16.3
		100	0	15.09	15.11	14.99	16.3

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	64QAM	1	0	15.19	15.09	15.05	16.3
		1	50	14.58	14.76	14.66	16.3
		1	99	15.03	15.23	15.25	16.3
		50	0	14.89	14.79	14.87	16.3
		50	25	14.76	14.75	14.92	16.3
		50	50	14.75	14.77	14.99	16.3
		100	0	14.73	14.77	14.89	16.3

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LTE Band 7 Receiver off + hotspot 5G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	13.13	13.23	13.07	14.3
		1	13	13.27	13.26	12.68	14.3
		1	24	13.01	12.96	12.78	14.3
		12	0	13.18	13.19	13.07	14.3
		12	6	13.22	13.1	12.94	14.3
		12	13	13.2	13.13	13.03	14.3
		25	0	13.12	13.14	13.11	14.3
	16QAM	1	0	13.57	13.65	13.29	14.3
		1	13	13.65	13.67	13.68	14.3
		1	24	13.48	13.4	13.39	14.3
		12	0	13.27	13.07	13.13	14.3
		12	6	13.12	13.18	13.07	14.3
		12	13	13.18	13.22	13.02	14.3
		25	0	13.18	13.15	13.07	14.3
	64QAM	1	0	13.18	13.02	13.02	14.3
		1	13	12.51	12.68	12.61	14.3
		1	24	13	13.21	13.24	14.3
		12	0	12.82	12.76	12.85	14.3
		12	6	12.72	12.67	12.89	14.3
		12	13	12.69	12.76	12.91	14.3
		25	0	12.65	12.76	12.86	14.3
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	13.17	13.06	13.24	14.3
		1	25	12.45	12.38	12.18	14.3
		1	49	12.95	13.19	13.11	14.3
		25	0	13.23	13.23	12.95	14.3
		25	13	13.25	13.08	13.1	14.3
		25	25	13.2	13.13	13.16	14.3
		50	0	13.15	13.11	13.09	14.3
	16QAM	1	0	13.39	12.99	13.04	14.3
		1	25	12.73	12.71	11.84	14.3
		1	49	13.81	13.65	13.52	14.3
		25	0	13.08	13.22	12.99	14.3
		25	13	13.09	13.14	13.05	14.3
		25	25	13.08	13.19	12.98	14.3
		50	0	13.11	13.24	12.89	14.3
	64QAM	1	0	13.19	13.05	13.01	14.3
		1	25	12.48	12.67	12.57	14.3
		1	49	13.01	13.15	13.2	14.3
		25	0	12.82	12.72	12.85	14.3

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		25	13	12.75	12.73	12.91	14.3
		25	25	12.69	12.69	12.92	14.3
		50	0	12.69	12.71	12.81	14.3
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	13.14	12.96	12.93	14.3
		1	38	13.08	13.05	12.95	14.3
		1	74	13.36	12.98	12.91	14.3
		36	0	13.14	13.25	13	14.3
		36	18	13.13	13.17	12.97	14.3
		36	39	13.29	13.22	13.14	14.3
		75	0	13.14	13.24	13.09	14.3
	16QAM	1	0	13.52	13.32	13.09	14.3
		1	38	13.39	13.33	12.98	14.3
		1	74	13.41	13.37	12.88	14.3
		36	0	13.1	13.05	13.01	14.3
		36	18	13.19	13.04	13.06	14.3
		36	39	13.08	13.1	13.09	14.3
		75	0	13.17	13.15	13.02	14.3
	64QAM	1	0	13.11	13.07	12.99	14.3
		1	38	12.53	12.67	12.57	14.3
		1	74	12.99	13.13	13.16	14.3
		36	0	12.81	12.76	12.85	14.3
		36	18	12.76	12.75	12.85	14.3
		36	39	12.71	12.67	12.94	14.3
		75	0	12.65	12.76	12.85	14.3
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	13.23	13.31	13.04	14.3
		1	50	12.58	12.92	13.21	14.3
		1	99	13.17	13.28	13.17	14.3
		50	0	13.12	13.1	12.96	14.3
		50	25	13.17	13.1	13.07	14.3
		50	50	13.16	13.19	13.03	14.3
		100	0	13.16	13.22	13.06	14.3
	16QAM	1	0	13.36	13.06	13.39	14.3
		1	50	13.67	13.2	13.45	14.3
		1	99	13.05	13.44	13.43	14.3
		50	0	13.14	13.14	12.96	14.3
		50	25	13.04	13.05	12.97	14.3
		50	50	13.16	13.15	12.93	14.3
		100	0	13.14	13.25	12.95	14.3

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	64QAM	1	0	13.16	13.08	13.03	14.3
		1	50	12.5	12.74	12.59	14.3
		1	99	12.98	13.18	13.22	14.3
		50	0	12.87	12.73	12.82	14.3
		50	25	12.73	12.7	12.84	14.3
		50	50	12.69	12.7	12.97	14.3
		100	0	12.69	12.7	12.87	14.3

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LTE Band 7 Receiver on(Left head) + hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	12.37	12.39	12.3	13.8
		1	13	12.5	12.2	12.11	13.8
		1	24	12	12.22	11.95	13.8
		12	0	12.37	12.28	12.21	13.8
		12	6	12.25	12.42	12.09	13.8
		12	13	12.39	12.36	12.17	13.8
		25	0	12.35	12.37	12.18	13.8
	16QAM	1	0	12.86	12.84	12.1	13.8
		1	13	12.78	12.27	12.99	13.8
		1	24	12.99	12.46	12.7	13.8
		12	0	12.32	12.36	12.17	13.8
		12	6	12.2	12.34	11.82	13.8
		12	13	12.52	12.33	12.13	13.8
		25	0	12.4	12.19	12.02	13.8
	64QAM	1	0	12.39	12.31	12.28	13.8
		1	13	11.77	11.96	11.84	13.8
		1	24	12.21	12.39	12.43	13.8
		12	0	12.09	11.97	12.03	13.8
		12	6	11.96	11.97	12.06	13.8
		12	13	11.92	11.99	12.17	13.8
		25	0	11.96	11.99	12.11	13.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	12.43	12.2	12.11	13.8
		1	25	11.73	11.62	12.03	13.8
		1	49	12.38	12.42	12.24	13.8
		25	0	12.31	12.38	12.11	13.8
		25	13	12.22	12.35	12.12	13.8
		25	25	12.42	12.29	12.23	13.8
		50	0	12.34	12.4	12.12	13.8
	16QAM	1	0	12.17	11.99	12.71	13.8
		1	25	11.23	11.68	12.04	13.8
		1	49	12.96	12.28	12.4	13.8
		25	0	12.11	12.05	12.16	13.8
		25	13	12.35	12.2	12.16	13.8
		25	25	12.13	12.16	12.11	13.8
		50	0	12.32	12.04	12.14	13.8
	64QAM	1	0	12.43	12.27	12.3	13.8
		1	25	11.79	11.94	11.79	13.8
		1	49	12.23	12.46	12.49	13.8
		25	0	12.12	11.96	12.03	13.8

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		25	13	11.96	11.98	12.05	13.8
		25	25	11.91	11.94	12.18	13.8
		50	0	11.97	11.93	12.14	13.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	12.35	12.3	11.83	13.8
		1	38	12.05	12.36	12.27	13.8
		1	74	12.42	12.27	12.24	13.8
		36	0	12.32	12.23	12.24	13.8
		36	18	12.4	12.32	12.14	13.8
		36	39	12.31	12.24	12.18	13.8
		75	0	12.34	12.34	12.14	13.8
	16QAM	1	0	12.66	12.54	12.66	13.8
		1	38	12.8	12.47	12.64	13.8
		1	74	12.66	12.25	12.6	13.8
		36	0	12.32	12.42	12.04	13.8
		36	18	12.3	12.28	12.05	13.8
		36	39	12.16	12.25	12.06	13.8
		75	0	12.16	12.35	12.11	13.8
	64QAM	1	0	12.42	12.31	12.23	13.8
		1	38	11.77	11.93	11.88	13.8
		1	74	12.24	12.43	12.42	13.8
		36	0	12.15	11.97	12.08	13.8
		36	18	11.93	11.94	12.06	13.8
		36	39	11.95	11.91	12.26	13.8
		75	0	11.94	11.92	12.12	13.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	12.33	12.5	12.2	13.8
		1	50	12.61	11.7	12.65	13.8
		1	99	12.35	12.42	12.23	13.8
		50	0	12.31	12.35	12.08	13.8
		50	25	12.3	12.28	12.12	13.8
		50	50	12.3	12.39	12.19	13.8
		100	0	12.28	12.29	12.21	13.8
	16QAM	1	0	12.72	12.31	12.14	13.8
		1	50	12.29	12.63	11.89	13.8
		1	99	12.41	12.24	13.13	13.8
		50	0	12.1	12.24	12.12	13.8
		50	25	12.33	12.23	12.12	13.8
		50	50	12.33	12.07	12.04	13.8
		100	0	12.28	12.2	12.03	13.8

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	64QAM	1	0	12.4	12.34	12.3	13.8
		1	50	11.7	11.96	11.79	13.8
		1	99	12.27	12.37	12.5	13.8
		50	0	12.16	11.95	12.1	13.8
		50	25	11.94	11.98	12.08	13.8
		50	50	11.95	12	12.17	13.8
		100	0	11.89	11.95	12.16	13.8

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LTE Band 7 Receiver on(Right head) + hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	11.05	11.24	11.13	12.8
		1	13	11.39	11.31	11.2	12.8
		1	24	11.52	11.18	11.01	12.8
		12	0	11.45	11.33	11.18	12.8
		12	6	11.41	10.65	11.2	12.8
		12	13	11.37	11.3	11.17	12.8
		25	0	11.21	11.26	11.12	12.8
	16QAM	1	0	11.59	11.56	11.3	12.8
		1	13	11.51	11.55	11.29	12.8
		1	24	11.89	11.94	11.28	12.8
		12	0	11.32	11.16	11.19	12.8
		12	6	11.42	11.18	10.91	12.8
		12	13	11.41	11.29	11.13	12.8
		25	0	11.22	11.12	11.21	12.8
	64QAM	1	0	11.36	11.21	11.25	12.8
		1	13	10.69	10.94	10.76	12.8
		1	24	11.12	11.38	11.41	12.8
		12	0	11.04	10.94	11	12.8
		12	6	10.95	10.95	10.99	12.8
		12	13	10.9	10.94	11.14	12.8
		25	0	10.92	10.94	11.06	12.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	11.46	11.38	10.96	12.8
		1	25	11.59	11.14	11.16	12.8
		1	49	11.26	11.45	11.18	12.8
		25	0	11.31	11.34	11.18	12.8
		25	13	11.32	11.26	11.1	12.8
		25	25	11.25	11.29	11.05	12.8
		50	0	11.27	11.31	11.09	12.8
	16QAM	1	0	11.59	11.24	11.89	12.8
		1	25	11.58	10.7	12.01	12.8
		1	49	10.88	11.81	11.69	12.8
		25	0	11.21	11.33	11.22	12.8
		25	13	11.31	11.22	11.15	12.8
		25	25	11.23	11.26	11.08	12.8
		50	0	11.28	11.18	11.08	12.8
	64QAM	1	0	11.39	11.23	11.27	12.8
		1	25	10.73	10.87	10.81	12.8
		1	49	11.11	11.31	11.39	12.8
		25	0	11.02	10.92	11.02	12.8

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		25	13	10.87	10.87	11.03	12.8
		25	25	10.83	10.99	11.1	12.8
		50	0	10.93	10.98	11.06	12.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	11.37	11.26	11.14	12.8
		1	38	11.22	11.45	10.88	12.8
		1	74	11.27	11.35	11.19	12.8
		36	0	11.32	11.37	11.1	12.8
		36	18	11.31	11.36	11.25	12.8
		36	39	11.32	11.35	11.19	12.8
		75	0	11.35	11.32	11.12	12.8
	16QAM	1	0	11.21	11.65	11.29	12.8
		1	38	11.73	11.94	11.28	12.8
		1	74	12.03	11.74	11.19	12.8
		36	0	11.23	11.2	11.15	12.8
		36	18	11.35	11.27	11.17	12.8
		36	39	11.14	11.29	11.16	12.8
		75	0	11.35	11.25	11.1	12.8
	64QAM	1	0	11.3	11.22	11.23	12.8
		1	38	10.74	10.88	10.77	12.8
		1	74	11.21	11.39	11.41	12.8
		36	0	10.99	10.88	11	12.8
		36	18	10.92	10.95	10.98	12.8
		36	39	10.92	10.98	11.09	12.8
		75	0	10.92	10.9	11.04	12.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	11.33	11.41	11.18	12.8
		1	50	11.6	10.84	11.38	12.8
		1	99	11.29	11.42	11.09	12.8
		50	0	11.38	11.34	11.17	12.8
		50	25	11.3	11.23	11.13	12.8
		50	50	11.3	11.27	11.2	12.8
		100	0	11.33	11.31	11.14	12.8
	16QAM	1	0	12.41	11.7	11.47	12.8
		1	50	10.29	11.13	11.77	12.8
		1	99	11.28	11.61	11.77	12.8
		50	0	11.28	11.19	11.04	12.8
		50	25	11.21	11.19	11.08	12.8
		50	50	11.28	11.23	11.19	12.8
		100	0	11.22	11.23	10.94	12.8

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	64QAM	1	0	11.32	11.24	11.2	12.8
		1	50	10.69	10.86	10.77	12.8
		1	99	11.16	11.33	11.39	12.8
		50	0	11.07	10.9	10.94	12.8
		50	25	10.91	10.94	10.96	12.8
		50	50	10.89	10.89	11.14	12.8
		100	0	10.87	10.96	11.1	12.8

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	10.26	10.08	10.17	11.8
		1	13	10.05	10.3	10.2	11.8
		1	24	10.44	10.37	9.81	11.8
		12	0	10.24	10.29	10.2	11.8
		12	6	10.32	10.36	10.22	11.8
		12	13	10.34	10.33	10.13	11.8
		25	0	10.31	10.27	10.14	11.8
	16QAM	1	0	10.94	11	10.34	11.8
		1	13	11.19	10.75	10.47	11.8
		1	24	10.81	10.44	10.21	11.8
		12	0	10.33	10.26	10.32	11.8
		12	6	10.14	10.09	10.09	11.8
		12	13	10.18	10.29	10.04	11.8
		25	0	10.35	10.34	10.17	11.8
	64QAM	1	0	10.31	10.17	10.14	11.8
		1	13	9.66	9.78	9.7	11.8
		1	24	10.16	10.29	10.37	11.8
		12	0	10.01	9.86	9.88	11.8
		12	6	9.81	9.87	9.92	11.8
		12	13	9.8	9.8	10.05	11.8
		25	0	9.86	9.87	10.02	11.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	10.08	10.38	10.06	11.8
		1	25	10.65	9.46	9.97	11.8
		1	49	10.48	10.04	9.91	11.8
		25	0	10.38	10.27	10.25	11.8
		25	13	10.33	10.21	10.03	11.8
		25	25	10.35	10.28	10.21	11.8
		50	0	10.2	10.26	10.19	11.8
	16QAM	1	0	10.98	10.56	10.95	11.8
		1	25	9.51	10.42	9.94	11.8
		1	49	10.56	10.43	10.74	11.8
		25	0	10.28	10.26	10.03	11.8
		25	13	10.13	10.31	10.01	11.8
		25	25	10.26	10.35	10.09	11.8
		50	0	10.12	10.14	10.01	11.8
	64QAM	1	0	10.32	10.21	10.12	11.8
		1	25	9.6	9.78	9.76	11.8
		1	49	10.07	10.32	10.36	11.8
		25	0	10	9.87	9.89	11.8

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		25	13	9.91	9.9	9.95	11.8
		25	25	9.89	9.82	10.12	11.8
		50	0	9.78	9.95	10.03	11.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	10.25	10.25	10.2	11.8
		1	38	10.35	10.34	10.19	11.8
		1	74	10.4	10.31	10.12	11.8
		36	0	10.33	10.27	10.16	11.8
		36	18	10.24	10.2	10.11	11.8
		36	39	10.26	10.33	10.23	11.8
		75	0	10.23	10.31	10.14	11.8
	16QAM	1	0	11.26	10.55	10.42	11.8
		1	38	10.78	11.06	10.77	11.8
		1	74	10.93	10.88	10.68	11.8
		36	0	10.24	10.28	9.94	11.8
		36	18	10.26	10.28	10.08	11.8
		36	39	10.26	10.32	10.11	11.8
		75	0	10.24	10.17	10.07	11.8
	64QAM	1	0	10.27	10.16	10.15	11.8
		1	38	9.62	9.86	9.76	11.8
		1	74	10.15	10.27	10.33	11.8
		36	0	10.05	9.82	9.88	11.8
		36	18	9.89	9.84	9.95	11.8
		36	39	9.79	9.86	10.12	11.8
		75	0	9.77	9.9	10.01	11.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	10.35	10.23	10.28	11.8
		1	50	9.86	10.06	9.58	11.8
		1	99	10.46	10.13	10.53	11.8
		50	0	10.4	10.27	10.21	11.8
		50	25	10.26	10.38	10.2	11.8
		50	50	10.24	10.32	10.18	11.8
		100	0	10.31	10.28	10.25	11.8
	16QAM	1	0	10.75	11.27	10.68	11.8
		1	50	10.58	10.25	10.01	11.8
		1	99	10.6	10.58	10.7	11.8
		50	0	10.2	10.3	10.13	11.8
		50	25	10.28	10.17	9.96	11.8
		50	50	10.21	10.22	10.17	11.8
		100	0	10.33	10.23	10.07	11.8

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	64QAM	1	0	10.3	10.15	10.12	11.8
		1	50	9.59	9.77	9.71	11.8
		1	99	10.06	10.25	10.34	11.8
		50	0	10.06	9.82	9.9	11.8
		50	25	9.87	9.86	9.87	11.8
		50	50	9.83	9.85	10.12	11.8
		100	0	9.87	9.9	10.08	11.8

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LTE Band 7 Receiver on(Right head) + hotspot 5G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	9.44	9.09	9.08	10.8
		1	13	9.05	9.21	8.92	10.8
		1	24	8.96	9	8.76	10.8
		12	0	9.28	9.16	9.06	10.8
		12	6	9.16	9.05	8.93	10.8
		12	13	9.03	9.13	8.72	10.8
		25	0	9.12	9.23	8.87	10.8
	16QAM	1	0	9.93	9.51	8.88	10.8
		1	13	9.74	9.04	9.44	10.8
		1	24	8.76	9.75	9.07	10.8
		12	0	9.24	9.23	9.18	10.8
		12	6	9.12	9.08	9.02	10.8
		12	13	9.09	9.16	8.79	10.8
		25	0	9.15	9.21	8.93	10.8
	64QAM	1	0	9.22	9.16	9.12	10.8
		1	13	8.61	8.68	8.67	10.8
		1	24	9.14	9.2	9.27	10.8
		12	0	9.01	8.85	8.8	10.8
		12	6	8.77	8.86	8.87	10.8
		12	13	8.71	8.78	8.99	10.8
		25	0	8.84	8.84	9.01	10.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	9.61	9.32	9.78	10.8
		1	25	9.24	9.23	9.05	10.8
		1	49	9.05	8.93	8.6	10.8
		25	0	9.29	9.43	9.26	10.8
		25	13	9.21	9.23	8.97	10.8
		25	25	8.92	9.1	8.74	10.8
		50	0	9.01	9.27	8.98	10.8
	16QAM	1	0	9.8	9.51	10.46	10.8
		1	25	9.71	9.47	9.19	10.8
		1	49	9.69	8.98	8.76	10.8
		25	0	9.36	9.42	9.31	10.8
		25	13	9.27	9.23	9.03	10.8
		25	25	8.93	9.15	8.72	10.8
		50	0	9.03	9.29	9.04	10.8
	64QAM	1	0	9.28	9.14	9.06	10.8
		1	25	8.65	8.73	8.7	10.8
		1	49	9.08	9.27	9.36	10.8
		25	0	8.93	8.77	8.87	10.8

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		25	13	8.72	8.8	8.9	10.8
		25	25	8.79	8.76	8.98	10.8
		50	0	8.76	8.82	8.95	10.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	9.63	9.36	10.17	10.8
		1	38	9.26	9.37	9.22	10.8
		1	74	9.32	9.19	8.8	10.8
		36	0	9.28	9.28	9.71	10.8
		36	18	9.2	9.34	9.13	10.8
		36	39	9.31	9.32	8.92	10.8
		75	0	9.36	9.45	9.11	10.8
	16QAM	1	0	10.34	9.63	10.82	10.8
		1	38	9.4	9.59	9.68	10.8
		1	74	9.45	9.63	9.01	10.8
		36	0	9.28	9.28	9.82	10.8
		36	18	9.3	9.38	9.12	10.8
		36	39	9.33	9.32	8.95	10.8
		75	0	9.34	9.38	9.1	10.8
	64QAM	1	0	9.3	9.12	9.06	10.8
		1	38	8.63	8.69	8.61	10.8
		1	74	9.07	9.26	9.3	10.8
		36	0	9	8.76	8.84	10.8
		36	18	8.8	8.77	8.88	10.8
		36	39	8.75	8.74	8.95	10.8
		75	0	8.77	8.82	8.99	10.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	9.57	9.69	9.86	10.8
		1	50	9.36	9.37	9.49	10.8
		1	99	9.59	9.64	9.14	10.8
		50	0	9.41	9.59	9.93	10.8
		50	25	9.5	9.4	9.33	10.8
		50	50	9.37	9.45	9.25	10.8
		100	0	9.1	9.66	9.55	10.8
	16QAM	1	0	9.85	10.02	10.26	10.8
		1	50	10.07	9.63	9.79	10.8
		1	99	10.1	10.42	9.76	10.8
		50	0	9.45	9.61	9.91	10.8
		50	25	9.5	9.42	9.26	10.8
		50	50	9.3	9.44	9.29	10.8
		100	0	9.09	9.6	9.53	10.8

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	64QAM	1	0	9.26	9.17	9.06	10.8
		1	50	8.57	8.72	8.64	10.8
		1	99	9.07	9.2	9.36	10.8
		50	0	9	8.81	8.84	10.8
		50	25	8.74	8.78	8.89	10.8
		50	50	8.8	8.79	9	10.8
		100	0	8.86	8.84	9.02	10.8

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LTE Band 7 Receiver on(Left head) + BT				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	13.32	13.2	13.16	14.8
		1	13	13.24	13.31	13.11	14.8
		1	24	13.23	13.28	13.12	14.8
		12	0	13.3	13.38	13.13	14.8
		12	6	13.28	13.2	13.14	14.8
		12	13	13.34	13.24	13.23	14.8
		25	0	13.25	13.17	13.14	14.8
	16QAM	1	0	13.73	13.55	13.06	14.8
		1	13	13.26	13.32	13.52	14.8
		1	24	13.6	13.39	13.47	14.8
		12	0	13.29	13.34	13.06	14.8
		12	6	13.4	13.15	13.14	14.8
		12	13	13.27	13.12	13.13	14.8
		25	0	13.34	13.23	12.98	14.8
	64QAM	1	0	13.45	13.44	13.39	14.8
		1	13	12.82	12.96	12.91	14.8
		1	24	13.43	13.42	13.56	14.8
		12	0	13.26	13.11	13.08	14.8
		12	6	13.06	13.13	13.11	14.8
		12	13	12.97	12.99	13.23	14.8
		25	0	13.09	13.08	13.23	14.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	13.32	13.24	12.99	14.8
		1	25	12.66	13.08	12.57	14.8
		1	49	13.3	13.16	13.13	14.8
		25	0	13.34	13.23	13.12	14.8
		25	13	13.31	13.32	13.12	14.8
		25	25	13.42	13.27	13.2	14.8
		50	0	13.3	13.24	13.12	14.8
	16QAM	1	0	13.72	13.52	13.71	14.8
		1	25	14.09	13.67	14.22	14.8
		1	49	13.2	13.58	13.35	14.8
		25	0	13.29	13.31	13.04	14.8
		25	13	13.12	13.28	13.1	14.8
		25	25	13.25	13.07	13.1	14.8
		50	0	13.26	13.06	13.06	14.8
	64QAM	1	0	13.44	13.36	13.33	14.8
		1	25	12.91	12.93	12.96	14.8
		1	49	13.36	13.47	13.54	14.8
		25	0	13.24	13.15	13.01	14.8

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		25	13	13.03	13.14	13.13	14.8
		25	25	12.98	13.06	13.24	14.8
		50	0	13.09	13.08	13.27	14.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	13.27	13.13	13.28	14.8
		1	38	13.27	13.35	13.34	14.8
		1	74	13.18	13.4	13.09	14.8
		36	0	13.33	13.32	13.19	14.8
		36	18	13.35	13.23	13.12	14.8
		36	39	13.39	13.29	13.12	14.8
		75	0	13.4	13.27	13.11	14.8
	16QAM	1	0	13.69	13.61	13.14	14.8
		1	38	13.97	13.8	13.78	14.8
		1	74	13.68	13.66	13.49	14.8
		36	0	13.32	13.22	13.15	14.8
		36	18	13.33	13.2	13.05	14.8
		36	39	13.32	13.25	13.12	14.8
		75	0	13.2	13.21	13.16	14.8
	64QAM	1	0	13.43	13.43	13.41	14.8
		1	38	12.89	12.92	12.88	14.8
		1	74	13.4	13.46	13.55	14.8
		36	0	13.27	13.07	13.08	14.8
		36	18	13.03	13.08	13.09	14.8
		36	39	12.98	13.05	13.24	14.8
		75	0	13.13	13.06	13.23	14.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	13.22	13.29	13.34	14.8
		1	50	13.68	13.1	12.78	14.8
		1	99	13.32	13.41	13.37	14.8
		50	0	13.36	13.33	13.14	14.8
		50	25	13.29	13.33	13.08	14.8
		50	50	13.33	13.28	13.22	14.8
		100	0	13.36	13.2	13.14	14.8
	16QAM	1	0	13.81	12.95	13.36	14.8
		1	50	13.16	13.5	13.88	14.8
		1	99	13.58	13.88	13.66	14.8
		50	0	13.32	13.2	13.08	14.8
		50	25	13.24	13.12	13.03	14.8
		50	50	13.26	13.25	13.2	14.8
		100	0	13.29	13.31	13.1	14.8

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	64QAM	1	0	13.44	13.44	13.33	14.8
		1	50	12.83	12.97	12.9	14.8
		1	99	13.4	13.46	13.54	14.8
		50	0	13.28	13.09	13.07	14.8
		50	25	13.02	13.07	13.08	14.8
		50	50	12.93	12.98	13.27	14.8
		100	0	13.08	13.04	13.24	14.8

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LTE Band 7 Receiver on(Right head) + BT				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	12.25	12.34	12.04	13.8
		1	13	12.43	12.31	12.23	13.8
		1	24	12.56	12.4	12.16	13.8
		12	0	12.25	12.27	12.16	13.8
		12	6	12.26	12.3	12.07	13.8
		12	13	12.21	12.27	12.21	13.8
		25	0	12.23	12.33	12.12	13.8
	16QAM	1	0	12.65	12.94	12.34	13.8
		1	13	12.65	12.9	12.33	13.8
		1	24	12.26	12.75	12.19	13.8
		12	0	12.31	12.3	12.2	13.8
		12	6	12.18	11.91	12.11	13.8
		12	13	12.28	12.32	12.11	13.8
		25	0	12.26	12.15	11.98	13.8
	64QAM	1	0	12.35	12.36	12.31	13.8
		1	13	11.79	11.95	11.83	13.8
		1	24	12.38	12.39	12.52	13.8
		12	0	12.24	12.06	12.07	13.8
		12	6	12.05	12.07	12.02	13.8
		12	13	11.96	11.91	12.13	13.8
		25	0	12.03	12.01	12.17	13.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	11.9	12.36	12.21	13.8
		1	25	12.27	11.99	11.99	13.8
		1	49	12.15	12.11	12.22	13.8
		25	0	12.33	12.24	12.12	13.8
		25	13	12.25	12.32	12.06	13.8
		25	25	12.41	12.34	12.08	13.8
		50	0	12.25	12.21	12.08	13.8
	16QAM	1	0	12.85	12.48	12.17	13.8
		1	25	13.11	12.32	12.33	13.8
		1	49	12.58	12.32	12.75	13.8
		25	0	12.32	12.15	12.12	13.8
		25	13	12.31	12.19	12.14	13.8
		25	25	12.28	12.2	12.11	13.8
		50	0	12.24	12.29	12.05	13.8
	64QAM	1	0	12.42	12.42	12.34	13.8
		1	25	11.76	11.89	11.89	13.8
		1	49	12.38	12.39	12.51	13.8
		25	0	12.17	12.02	12.03	13.8

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		25	13	11.99	12.07	12.1	13.8
		25	25	11.96	11.91	12.19	13.8
		50	0	12.02	11.99	12.16	13.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	12.24	12.22	12.18	13.8
		1	38	12.28	12.36	12.22	13.8
		1	74	11.91	12.26	12.23	13.8
		36	0	12.31	12.35	12.16	13.8
		36	18	12.43	12.23	12.18	13.8
		36	39	12.44	12.24	12.24	13.8
		75	0	12.29	12.31	12.14	13.8
	16QAM	1	0	12.53	12.26	12.64	13.8
		1	38	13.4	12.91	12.41	13.8
		1	74	12.41	12.43	12.86	13.8
		36	0	12.31	12.32	12.08	13.8
		36	18	12.36	12.26	12.12	13.8
		36	39	12.33	12.24	12.12	13.8
		75	0	12.19	12.19	12.07	13.8
	64QAM	1	0	12.44	12.39	12.37	13.8
		1	38	11.8	11.87	11.85	13.8
		1	74	12.42	12.39	12.54	13.8
		36	0	12.24	12.08	11.99	13.8
		36	18	12.06	12.13	12.09	13.8
		36	39	11.95	11.96	12.21	13.8
		75	0	12.07	12.06	12.17	13.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	12.35	12.38	12.22	13.8
		1	50	12.12	12.34	11.94	13.8
		1	99	12.19	12.27	12.24	13.8
		50	0	12.43	12.42	12.17	13.8
		50	25	12.38	12.35	12.09	13.8
		50	50	12.29	12.25	12.21	13.8
		100	0	12.37	12.28	12.23	13.8
	16QAM	1	0	12.78	12.92	12.92	13.8
		1	50	12.84	11.3	11.13	13.8
		1	99	12.96	12.72	12.03	13.8
		50	0	12.38	12.12	11.98	13.8
		50	25	12.15	12.21	12.11	13.8
		50	50	12.33	12.18	12.03	13.8
		100	0	12.38	12.15	12.09	13.8

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	64QAM	1	0	12.43	12.42	12.32	13.8
		1	50	11.81	11.87	11.85	13.8
		1	99	12.42	12.41	12.56	13.8
		50	0	12.2	12.05	12.01	13.8
		50	25	11.97	12.09	12.09	13.8
		50	50	11.91	11.99	12.22	13.8
		100	0	12.08	12.06	12.23	13.8

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LTE Band 7 Receiver off + BT				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	15.73	15.87	15.64	17.3
		1	13	15.94	15.79	15.65	17.3
		1	24	15.91	15.71	15.59	17.3
		12	0	15.9	15.89	15.62	17.3
		12	6	15.78	15.74	15.77	17.3
		12	13	15.91	15.77	15.72	17.3
		25	0	15.81	15.71	15.6	17.3
	16QAM	1	0	16.14	16.07	15.36	17.3
		1	13	16.02	16.09	16.34	17.3
		1	24	15.88	16.33	15.78	17.3
		12	0	15.87	15.77	15.49	17.3
		12	6	15.87	15.83	15.46	17.3
		12	13	15.89	15.78	15.73	17.3
		25	0	15.8	15.68	15.61	17.3
	64QAM	1	0	15.83	15.77	15.72	17.3
		1	13	15.26	15.37	15.24	17.3
		1	24	15.78	15.82	16	17.3
		12	0	15.69	15.51	15.56	17.3
		12	6	15.51	15.49	15.5	17.3
		12	13	15.44	15.38	15.63	17.3
		25	0	15.47	15.48	15.66	17.3
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	15.68	15.68	15.64	17.3
		1	25	15.62	15.88	15.2	17.3
		1	49	15.92	15.79	15.59	17.3
		25	0	15.9	15.84	15.55	17.3
		25	13	15.93	15.82	15.72	17.3
		25	25	15.83	15.76	15.74	17.3
		50	0	15.91	15.76	15.58	17.3
	16QAM	1	0	16.03	16.01	15.89	17.3
		1	25	15.96	15.51	15.86	17.3
		1	49	16.03	15.75	15.38	17.3
		25	0	15.84	15.71	15.65	17.3
		25	13	15.7	15.65	15.68	17.3
		25	25	15.86	15.71	15.67	17.3
		50	0	15.71	15.74	15.66	17.3
	64QAM	1	0	15.76	15.78	15.76	17.3
		1	25	15.21	15.38	15.27	17.3
		1	49	15.85	15.82	15.94	17.3
		25	0	15.7	15.46	15.5	17.3

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		25	13	15.53	15.48	15.45	17.3
		25	25	15.42	15.36	15.58	17.3
		50	0	15.44	15.45	15.62	17.3
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	15.69	15.73	15.56	17.3
		1	38	15.81	15.84	15.72	17.3
		1	74	15.82	15.82	15.75	17.3
		36	0	15.86	15.89	15.61	17.3
		36	18	15.84	15.74	15.68	17.3
		36	39	15.86	15.78	15.74	17.3
		75	0	15.82	15.78	15.66	17.3
	16QAM	1	0	16.4	15.94	15.73	17.3
		1	38	16.49	15.87	15.8	17.3
		1	74	15.97	15.93	16.14	17.3
		36	0	15.81	15.74	15.68	17.3
		36	18	15.67	15.82	15.63	17.3
		36	39	15.75	15.72	15.65	17.3
		75	0	15.66	15.61	15.6	17.3
	64QAM	1	0	15.82	15.86	15.8	17.3
		1	38	15.25	15.43	15.26	17.3
		1	74	15.84	15.84	15.93	17.3
		36	0	15.72	15.53	15.48	17.3
		36	18	15.55	15.47	15.45	17.3
		36	39	15.45	15.41	15.6	17.3
		75	0	15.48	15.51	15.63	17.3
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	15.9	15.83	15.67	17.3
		1	50	15.32	15.18	15.35	17.3
		1	99	15.92	15.84	15.84	17.3
		50	0	15.88	15.88	15.67	17.3
		50	25	15.72	15.82	15.64	17.3
		50	50	15.83	15.76	15.7	17.3
		100	0	15.9	15.78	15.68	17.3
	16QAM	1	0	16.4	16.25	15.52	17.3
		1	50	15.68	16	15.5	17.3
		1	99	16.36	15.67	16.45	17.3
		50	0	15.85	15.75	15.62	17.3
		50	25	15.82	15.67	15.57	17.3
		50	50	15.77	15.75	15.65	17.3
		100	0	15.9	15.87	15.66	17.3

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	64QAM	1	0	15.84	15.82	15.81	17.3
		1	50	15.25	15.4	15.29	17.3
		1	99	15.8	15.8	16	17.3
		50	0	15.72	15.48	15.55	17.3
		50	25	15.5	15.56	15.51	17.3
		50	50	15.44	15.37	15.6	17.3
		100	0	15.46	15.43	15.59	17.3

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LTE Band 7 Receiver on(Left head) + WiFi2.4G Ant1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	12.55	12.27	12.01	13.8
		1	13	12.26	12.4	12.05	13.8
		1	24	12.57	12.4	11.99	13.8
		12	0	12.35	12.31	12.08	13.8
		12	6	12.27	12.24	12.15	13.8
		12	13	12.42	12.32	12.15	13.8
		25	0	12.3	12.21	12.12	13.8
	16QAM	1	0	12.95	12.41	12.7	13.8
		1	13	12.84	13.05	12.55	13.8
		1	24	12.68	12.08	12.88	13.8
		12	0	12.23	12.07	12.19	13.8
		12	6	12.37	12.34	12.08	13.8
		12	13	12.57	12.37	12.13	13.8
		25	0	12.29	12.26	12.11	13.8
	64QAM	1	0	12.45	12.38	12.4	13.8
		1	13	11.86	12.02	11.89	13.8
		1	24	12.45	12.49	12.63	13.8
		12	0	12.24	12.07	12.11	13.8
		12	6	12.14	12.11	12.03	13.8
		12	13	12.06	11.99	12.23	13.8
		25	0	12.05	12.09	12.27	13.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	12.36	12.21	12.12	13.8
		1	25	11.8	12.1	12	13.8
		1	49	12.65	12.22	12.06	13.8
		25	0	12.35	12.25	12.09	13.8
		25	13	12.39	12.42	12.17	13.8
		25	25	12.34	12.31	12.19	13.8
		50	0	12.35	12.29	12.08	13.8
	16QAM	1	0	12.49	11.99	12.56	13.8
		1	25	12.94	12.55	12.19	13.8
		1	49	12.4	13.26	12.5	13.8
		25	0	12.15	12.16	12.06	13.8
		25	13	12.09	12.23	11.89	13.8
		25	25	12.33	12.21	12.02	13.8
		50	0	12.07	12.13	12.06	13.8
	64QAM	1	0	12.42	12.4	12.39	13.8
		1	25	11.88	11.99	11.92	13.8
		1	49	12.41	12.46	12.59	13.8
		25	0	12.25	12.14	12.11	13.8

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		25	13	12.13	12.1	12.09	13.8
		25	25	11.97	12	12.14	13.8
		50	0	12.1	12.01	12.17	13.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	12.15	12.13	12.11	13.8
		1	38	11.95	12.25	12.07	13.8
		1	74	12.02	12.27	12.19	13.8
		36	0	12.37	12.26	12.18	13.8
		36	18	12.23	12.23	12.09	13.8
		36	39	12.34	12.31	12.25	13.8
		75	0	12.28	12.26	12.07	13.8
	16QAM	1	0	12.38	12.33	12.1	13.8
		1	38	12.61	12.45	12.43	13.8
		1	74	13	12.64	12.6	13.8
		36	0	12.29	12.3	12.17	13.8
		36	18	12.29	12.21	12.09	13.8
		36	39	12.2	12.26	12.16	13.8
		75	0	12.25	12.27	12.08	13.8
	64QAM	1	0	12.41	12.47	12.34	13.8
		1	38	11.87	12	11.85	13.8
		1	74	12.42	12.49	12.54	13.8
		36	0	12.33	12.09	12.11	13.8
		36	18	12.08	12.1	12.09	13.8
		36	39	11.97	11.98	12.14	13.8
		75	0	12.06	12.04	12.21	13.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	12.36	12.44	11.99	13.8
		1	50	11.36	12.24	12	13.8
		1	99	12.27	12.19	11.98	13.8
		50	0	12.27	12.27	12.23	13.8
		50	25	12.35	12.21	12.12	13.8
		50	50	12.31	12.32	12.25	13.8
		100	0	12.39	12.34	12.18	13.8
	16QAM	1	0	12.93	12.73	12.89	13.8
		1	50	12.93	12.66	12.49	13.8
		1	99	12.7	12.93	12.46	13.8
		50	0	12.26	12.25	12.14	13.8
		50	25	12.4	12.09	11.99	13.8
		50	50	12.28	12.31	12.23	13.8
		100	0	12.24	12.3	12.02	13.8

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	64QAM	1	0	12.42	12.37	12.37	13.8
		1	50	11.81	12.03	11.87	13.8
		1	99	12.41	12.42	12.61	13.8
		50	0	12.27	12.14	12.14	13.8
		50	25	12.06	12.1	12.1	13.8
		50	50	12	12.01	12.23	13.8
		100	0	12.04	12.09	12.17	13.8

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LTE Band 7 Receiver on(Right head) + WiFi2.4G Ant1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20775	Channel 21100	Channel 21425	Tune up
5MHz	QPSK	1	0	11.25	11.37	10.92	12.8
		1	13	11.27	11.3	10.99	12.8
		1	24	11.32	11.26	11.2	12.8
		12	0	11.32	11.38	11.25	12.8
		12	6	11.11	11.22	11.17	12.8
		12	13	11.34	11.34	11.14	12.8
		25	0	11.28	11.33	11.07	12.8
	16QAM	1	0	11.33	11.18	11.27	12.8
		1	13	12.04	11.91	11.53	12.8
		1	24	11.44	11.24	11.2	12.8
		12	0	11.47	11.22	11.26	12.8
		12	6	11.27	11.03	11.14	12.8
		12	13	11.23	11.29	11.05	12.8
		25	0	11.28	11.2	11.06	12.8
	64QAM	1	0	11.4	11.27	11.27	12.8
		1	13	10.7	10.91	10.84	12.8
		1	24	11.23	11.43	11.41	12.8
		12	0	11.12	10.9	10.98	12.8
		12	6	10.97	10.96	11.04	12.8
		12	13	10.9	10.92	11.18	12.8
		25	0	10.9	11.01	11.15	12.8
Bandwidth	Modulation	RB size	RB offset	Channel 20800	Channel 21100	Channel 21400	Tune up
10MHz	QPSK	1	0	11.4	11.24	11.3	12.8
		1	25	11.12	11.41	10.62	12.8
		1	49	11.28	10.97	10.93	12.8
		25	0	11.35	11.31	11.16	12.8
		25	13	11.27	11.4	11.08	12.8
		25	25	11.32	11.26	11.04	12.8
		50	0	11.36	11.33	11.23	12.8
	16QAM	1	0	11.69	11.2	11.37	12.8
		1	25	11.5	11.45	10.69	12.8
		1	49	11.86	11.64	11.5	12.8
		25	0	11.22	11.09	11.06	12.8
		25	13	11.32	11.24	11.03	12.8
		25	25	11.38	11.14	11.04	12.8
		50	0	11.07	11.32	10.94	12.8
	64QAM	1	0	11.35	11.29	11.24	12.8
		1	25	10.75	10.89	10.82	12.8
		1	49	11.23	11.33	11.47	12.8
		25	0	11.1	10.92	11.03	12.8

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		25	13	11.01	11.02	11.04	12.8
		25	25	10.94	10.94	11.17	12.8
		50	0	10.93	11.03	11.11	12.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	11.25	11.15	10.84	12.8
		1	38	11.33	10.96	11.12	12.8
		1	74	11.24	11.1	11.24	12.8
		36	0	11.4	11.38	11.06	12.8
		36	18	11.39	11.33	11.15	12.8
		36	39	11.41	11.32	11.15	12.8
		75	0	11.28	11.28	11.19	12.8
	16QAM	1	0	11.67	11.56	11.54	12.8
		1	38	11.17	11.38	11.03	12.8
		1	74	11.52	11.89	11.45	12.8
		36	0	11.27	11.22	10.97	12.8
		36	18	11.23	11.2	11.02	12.8
		36	39	11.3	11.1	11.13	12.8
		75	0	11.31	11.15	11.14	12.8
	64QAM	1	0	11.34	11.32	11.29	12.8
		1	38	10.76	10.92	10.82	12.8
		1	74	11.16	11.35	11.45	12.8
		36	0	11.14	10.94	10.97	12.8
		36	18	10.98	10.96	11.05	12.8
		36	39	10.97	10.97	11.17	12.8
		75	0	10.96	10.99	11.14	12.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	11.49	11.34	11.3	12.8
		1	50	11	11.32	11.62	12.8
		1	99	11.15	11.03	11.4	12.8
		50	0	11.38	11.35	11.18	12.8
		50	25	11.29	11.23	11.15	12.8
		50	50	11.31	11.41	11.23	12.8
		100	0	11.33	11.32	11.17	12.8
	16QAM	1	0	11.57	11.73	11.13	12.8
		1	50	11.72	11.24	11.5	12.8
		1	99	11.69	11.4	11.53	12.8
		50	0	11.23	11.21	11.04	12.8
		50	25	11.29	11.3	11.1	12.8
		50	50	11.2	11.22	11.11	12.8
		100	0	11.25	11.22	11.18	12.8

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	64QAM	1	0	11.39	11.28	11.3	12.8
		1	50	10.74	10.96	10.78	12.8
		1	99	11.24	11.35	11.43	12.8
		50	0	11.14	10.97	11.04	12.8
		50	25	10.95	11	10.97	12.8
		50	50	10.98	10.95	11.19	12.8
		100	0	10.97	11.05	11.12	12.8

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LTE Band 7 Receiver off + WiFi2.4G Ant1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	14.88	14.75	14.67	16.3
		1	13	14.87	14.72	14.69	16.3
		1	24	14.85	14.77	14.68	16.3
		12	0	14.82	14.84	14.73	16.3
		12	6	14.94	14.7	14.61	16.3
		12	13	14.87	14.83	14.67	16.3
		25	0	14.88	14.69	14.66	16.3
	16QAM	1	0	15.15	15.09	14.9	16.3
		1	13	15.38	15.08	15.09	16.3
		1	24	15.21	15.17	14.89	16.3
		12	0	14.88	14.83	14.64	16.3
		12	6	14.9	14.72	14.29	16.3
		12	13	14.84	14.81	14.67	16.3
		25	0	14.86	14.81	14.55	16.3
	64QAM	1	0	14.83	14.69	14.8	16.3
		1	13	14.15	14.39	14.26	16.3
		1	24	14.69	14.78	14.88	16.3
		12	0	14.6	14.39	14.47	16.3
		12	6	14.36	14.49	14.4	16.3
		12	13	14.42	14.44	14.62	16.3
		25	0	14.46	14.55	14.57	16.3
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	14.9	14.72	14.65	16.3
		1	25	14.75	15.14	14.12	16.3
		1	49	14.76	14.86	14.67	16.3
		25	0	14.92	14.86	14.68	16.3
		25	13	14.74	14.73	14.7	16.3
		25	25	14.88	14.73	14.7	16.3
		50	0	14.88	14.8	14.67	16.3
	16QAM	1	0	15.37	14.9	15.1	16.3
		1	25	15.1	15.19	15.44	16.3
		1	49	14.63	15.35	14.91	16.3
		25	0	14.87	14.91	14.51	16.3
		25	13	14.68	14.63	14.6	16.3
		25	25	14.83	14.82	14.72	16.3
		50	0	14.83	14.73	14.58	16.3
	64QAM	1	0	14.86	14.69	14.74	16.3
		1	25	14.19	14.42	14.26	16.3
		1	49	14.69	14.79	14.91	16.3
		25	0	14.62	14.41	14.46	16.3

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		25	13	14.4	14.43	14.45	16.3
		25	25	14.45	14.44	14.6	16.3
		50	0	14.38	14.46	14.6	16.3
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	14.87	14.75	14.53	16.3
		1	38	14.82	14.84	14.75	16.3
		1	74	14.77	14.79	14.65	16.3
		36	0	14.87	14.75	14.69	16.3
		36	18	14.78	14.85	14.64	16.3
		36	39	14.85	14.71	14.68	16.3
		75	0	14.91	14.76	14.74	16.3
	16QAM	1	0	15.16	15.16	14.93	16.3
		1	38	15.07	14.94	14.97	16.3
		1	74	15.08	15.06	14.85	16.3
		36	0	14.81	14.89	14.64	16.3
		36	18	14.81	14.76	14.56	16.3
		36	39	14.84	14.82	14.62	16.3
		75	0	14.75	14.65	14.64	16.3
	64QAM	1	0	14.85	14.73	14.74	16.3
		1	38	14.2	14.4	14.28	16.3
		1	74	14.72	14.77	14.83	16.3
		36	0	14.58	14.38	14.51	16.3
		36	18	14.44	14.4	14.42	16.3
		36	39	14.39	14.4	14.61	16.3
		75	0	14.4	14.55	14.6	16.3
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	14.95	14.92	14.67	16.3
		1	50	14.75	14.79	14.44	16.3
		1	99	14.78	14.85	14.86	16.3
		50	0	14.86	14.84	14.76	16.3
		50	25	14.77	14.88	14.7	16.3
		50	50	14.8	14.82	14.63	16.3
		100	0	14.85	14.86	14.75	16.3
	16QAM	1	0	15.35	15.08	15.25	16.3
		1	50	15.08	14.23	14.66	16.3
		1	99	14.97	15.42	15.51	16.3
		50	0	14.88	14.63	14.53	16.3
		50	25	14.72	14.84	14.63	16.3
		50	50	14.88	14.7	14.72	16.3
		100	0	14.76	14.82	14.5	16.3

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	64QAM	1	0	14.88	14.68	14.78	16.3
		1	50	14.24	14.45	14.21	16.3
		1	99	14.71	14.77	14.86	16.3
		50	0	14.62	14.43	14.47	16.3
		50	25	14.44	14.44	14.4	16.3
		50	50	14.44	14.41	14.64	16.3
		100	0	14.38	14.49	14.58	16.3

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LTE Band 7 Receiver on(Left head) + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	10.24	10.13	10.16	11.8
		1	13	10.34	10.33	10.2	11.8
		1	24	10.43	9.84	9.98	11.8
		12	0	10.36	10.3	10.13	11.8
		12	6	10.35	10.22	10.15	11.8
		12	13	10.46	10.25	10.01	11.8
		25	0	10.39	10.2	10.01	11.8
	16QAM	1	0	10.64	10.73	10.62	11.8
		1	13	10.98	10.72	10.45	11.8
		1	24	10.74	11.19	10.67	11.8
		12	0	10.42	10.27	10.1	11.8
		12	6	10.16	10.19	10.1	11.8
		12	13	10.27	10.34	10.27	11.8
		25	0	10.26	10.25	10.13	11.8
	64QAM	1	0	10.45	10.28	10.4	11.8
		1	13	9.85	10.02	9.8	11.8
		1	24	10.35	10.39	10.52	11.8
		12	0	10.25	9.99	10.13	11.8
		12	6	10	10.11	10.06	11.8
		12	13	10.08	9.97	10.28	11.8
		25	0	10.05	10.15	10.23	11.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	10.2	10.28	10.25	11.8
		1	25	9.94	10.34	9.96	11.8
		1	49	10.3	9.89	10.01	11.8
		25	0	10.25	10.37	10.21	11.8
		25	13	10.37	10.23	10.2	11.8
		25	25	10.32	10.37	10.25	11.8
		50	0	10.35	10.26	10.21	11.8
	16QAM	1	0	10.64	10.54	10.24	11.8
		1	25	11	10.3	10.36	11.8
		1	49	10.51	10.28	10.64	11.8
		25	0	10.38	10.09	10.01	11.8
		25	13	10.24	10.18	10.03	11.8
		25	25	10.3	10.22	10.01	11.8
		50	0	10.33	10.16	10.09	11.8
	64QAM	1	0	10.45	10.4	10.36	11.8
		1	25	9.78	10.04	9.85	11.8
		1	49	10.32	10.36	10.49	11.8
		25	0	10.19	10.05	10.15	11.8

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		25	13	10	10.07	10.05	11.8
		25	25	10.07	10.03	10.22	11.8
		50	0	10.04	10.07	10.13	11.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	10.34	10.26	10.07	11.8
		1	38	10.57	10.31	10.22	11.8
		1	74	10.49	9.96	9.8	11.8
		36	0	10.38	10.3	10.21	11.8
		36	18	10.33	10.29	10.2	11.8
		36	39	10.33	10.28	10.19	11.8
		75	0	10.24	10.39	10.21	11.8
	16QAM	1	0	10.85	10.37	10.35	11.8
		1	38	11.2	11.04	10.48	11.8
		1	74	10.48	10.72	10.46	11.8
		36	0	10.23	10.34	10.07	11.8
		36	18	10.39	10.38	10.07	11.8
		36	39	10.2	10.37	10.12	11.8
		75	0	10.26	10.26	10.02	11.8
	64QAM	1	0	10.41	10.34	10.29	11.8
		1	38	9.86	9.96	9.87	11.8
		1	74	10.2	10.47	10.47	11.8
		36	0	10.23	9.95	10.07	11.8
		36	18	10.03	10.05	10.15	11.8
		36	39	10.04	9.97	10.21	11.8
		75	0	10.01	10.02	10.17	11.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	10.36	10.32	10.49	11.8
		1	50	9.85	9.74	10.3	11.8
		1	99	10.49	10.32	10.24	11.8
		50	0	10.36	10.33	10.17	11.8
		50	25	10.26	10.38	10.15	11.8
		50	50	10.29	10.27	10.22	11.8
		100	0	10.46	10.32	10.22	11.8
	16QAM	1	0	10.96	10.7	10.91	11.8
		1	50	10.8	10.52	10.81	11.8
		1	99	10.72	10.92	11.01	11.8
		50	0	10.38	10.22	10.2	11.8
		50	25	10.27	10.26	10.01	11.8
		50	50	10.25	10.16	10.07	11.8
		100	0	10.2	10.31	10.05	11.8

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	64QAM	1	0	10.41	10.34	10.29	11.8
		1	50	9.96	9.96	9.97	11.8
		1	99	10.2	10.47	10.47	11.8
		50	0	10.23	9.95	10.07	11.8
		50	25	10.03	10.05	10.15	11.8
		50	50	10.04	9.97	10.21	11.8
		100	0	10.01	10.02	10.17	11.8

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LTE Band 7 Receiver on(Right head) + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	9.92	9.24	8.98	10.8
		1	13	9.31	9.26	8.76	10.8
		1	24	9.22	8.91	8.8	10.8
		12	0	9.64	9.24	9.01	10.8
		12	6	9.35	9.12	8.93	10.8
		12	13	9.15	9.2	8.7	10.8
		25	0	9.33	9.23	8.86	10.8
	16QAM	1	0	10.19	9.7	9.37	10.8
		1	13	10.11	9.48	9.26	10.8
		1	24	9.79	9.7	9.09	10.8
		12	0	9.47	9.21	9.21	10.8
		12	6	9.48	9.23	9	10.8
		12	13	9.37	9.1	8.62	10.8
		25	0	9.39	9.07	8.83	10.8
	64QAM	1	0	9.37	9.28	9.19	10.8
		1	13	8.91	8.91	8.88	10.8
		1	24	9.19	9.41	9.42	10.8
		12	0	9.14	8.92	8.99	10.8
		12	6	8.99	9.01	9.13	10.8
		12	13	8.98	8.88	9.19	10.8
		25	0	8.98	8.99	9.17	10.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	9.83	9.36	9.87	10.8
		1	25	9.38	9.23	9	10.8
		1	49	9.03	9.01	8.53	10.8
		25	0	9.48	9.57	9.36	10.8
		25	13	9.37	9.12	9.09	10.8
		25	25	9.07	9	8.84	10.8
		50	0	9.19	9.18	9.09	10.8
	16QAM	1	0	10.55	9.77	10.12	10.8
		1	25	9.73	9.76	9.67	10.8
		1	49	9.46	9.36	8.55	10.8
		25	0	9.45	9.49	9.4	10.8
		25	13	9.4	9.09	9.16	10.8
		25	25	9.15	9.02	8.92	10.8
		50	0	9.18	9.17	9.02	10.8
	64QAM	1	0	9.34	9.29	9.26	10.8
		1	25	8.91	8.87	8.97	10.8
		1	49	9.13	9.45	9.4	10.8
		25	0	9.19	8.95	9.05	10.8

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		25	13	9	9.01	9.13	10.8
		25	25	9	8.88	9.18	10.8
		50	0	8.98	8.93	9.11	10.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	9.72	9.48	9.98	10.8
		1	38	9.24	9.32	9.21	10.8
		1	74	9.41	9.26	8.81	10.8
		36	0	9.29	9.34	9.74	10.8
		36	18	9.19	9.31	9.14	10.8
		36	39	9.4	9.38	8.93	10.8
		75	0	9.35	9.34	9.13	10.8
	16QAM	1	0	10.61	10.03	10.71	10.8
		1	38	9.58	9.96	9.94	10.8
		1	74	9.94	9.67	9.23	10.8
		36	0	9.39	9.25	9.76	10.8
		36	18	9.22	9.27	9.13	10.8
		36	39	9.48	9.4	9.02	10.8
		75	0	9.41	9.39	9.17	10.8
	64QAM	1	0	9.39	9.3	9.26	10.8
		1	38	8.92	8.95	8.97	10.8
		1	74	9.15	9.47	9.39	10.8
		36	0	9.13	8.87	8.97	10.8
		36	18	8.97	9.02	9.13	10.8
		36	39	9.02	8.9	9.16	10.8
		75	0	8.97	8.96	9.1	10.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	9.81	9.55	9.05	10.8
		1	50	9.71	9.25	9.3	10.8
		1	99	9.66	9.81	9.87	10.8
		50	0	9.7	9.57	9.81	10.8
		50	25	9.74	9.29	9.18	10.8
		50	50	9.42	9.33	9.12	10.8
		100	0	9.35	9.41	9.35	10.8
	16QAM	1	0	10.51	9.84	10.04	10.8
		1	50	10.31	9.04	9.97	10.8
		1	99	10.26	9.95	9.48	10.8
		50	0	9.68	9.46	9.78	10.8
		50	25	9.78	9.19	9.16	10.8
		50	50	9.41	9.35	9.12	10.8
		100	0	9.37	9.36	9.35	10.8

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	64QAM	1	0	9.39	9.29	9.26	10.8
		1	50	8.96	8.87	8.95	10.8
		1	99	9.1	9.41	9.45	10.8
		50	0	9.15	8.88	9.06	10.8
		50	25	8.96	9.04	9.07	10.8
		50	50	8.97	8.91	9.18	10.8
		100	0	8.98	8.97	9.1	10.8

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LTE Band 7 Receiver off + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	12.9	12.66	12.53	14.3
		1	13	12.87	13.04	12.66	14.3
		1	24	12.69	12.77	12.3	14.3
		12	0	12.89	12.84	12.67	14.3
		12	6	12.75	12.88	12.64	14.3
		12	13	12.91	12.89	12.73	14.3
		25	0	12.87	12.86	12.56	14.3
	16QAM	1	0	13.34	13.17	12.6	14.3
		1	13	13.08	13.24	12.88	14.3
		1	24	13.43	12.49	12.85	14.3
		12	0	12.84	12.92	12.68	14.3
		12	6	12.89	12.85	12.59	14.3
		12	13	12.85	12.82	12.77	14.3
		25	0	12.93	12.66	12.59	14.3
	64QAM	1	0	12.79	12.72	12.66	14.3
		1	13	12.34	12.38	12.31	14.3
		1	24	12.69	12.84	12.85	14.3
		12	0	12.61	12.38	12.45	14.3
		12	6	12.4	12.45	12.6	14.3
		12	13	12.42	12.37	12.59	14.3
		25	0	12.4	12.48	12.65	14.3
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	13.03	12.6	12.66	14.3
		1	25	12.89	12.49	11.98	14.3
		1	49	12.31	12.76	12.78	14.3
		25	0	12.9	12.9	12.62	14.3
		25	13	12.84	12.85	12.64	14.3
		25	25	12.86	12.83	12.64	14.3
		50	0	12.75	12.73	12.62	14.3
	16QAM	1	0	13.91	13.19	12.83	14.3
		1	25	12.91	13.51	12.92	14.3
		1	49	12.93	13.09	13.29	14.3
		25	0	12.81	12.66	12.57	14.3
		25	13	12.83	12.61	12.53	14.3
		25	25	12.68	12.75	12.72	14.3
		50	0	12.85	12.72	12.5	14.3
	64QAM	1	0	12.83	12.76	12.62	14.3
		1	25	12.39	12.34	12.32	14.3
		1	49	12.67	12.88	12.9	14.3
		25	0	12.61	12.35	12.44	14.3

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		25	13	12.4	12.43	12.57	14.3
		25	25	12.46	12.34	12.6	14.3
		50	0	12.45	12.48	12.62	14.3
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	12.81	12.88	12.81	14.3
		1	38	13	12.74	12.86	14.3
		1	74	13.1	13.02	12.67	14.3
		36	0	12.99	12.86	12.74	14.3
		36	18	12.99	12.82	12.8	14.3
		36	39	12.84	12.79	12.74	14.3
		75	0	12.84	12.78	12.66	14.3
	16QAM	1	0	12.53	13.13	12.74	14.3
		1	38	13.22	13.38	13.02	14.3
		1	74	14	13.48	12.82	14.3
		36	0	12.79	12.7	12.64	14.3
		36	18	12.76	12.85	12.66	14.3
		36	39	12.88	12.71	12.65	14.3
		75	0	12.8	12.73	12.58	14.3
	64QAM	1	0	12.77	12.77	12.69	14.3
		1	38	12.35	12.32	12.37	14.3
		1	74	12.65	12.85	12.9	14.3
		36	0	12.57	12.38	12.47	14.3
		36	18	12.43	12.47	12.57	14.3
		36	39	12.39	12.33	12.66	14.3
		75	0	12.44	12.47	12.64	14.3
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	12.99	12.73	12.66	14.3
		1	50	12.37	12.51	12.12	14.3
		1	99	12.78	12.88	12.99	14.3
		50	0	12.87	12.82	12.67	14.3
		50	25	12.88	12.7	12.67	14.3
		50	50	12.79	12.74	12.68	14.3
		100	0	12.88	12.86	12.65	14.3
	16QAM	1	0	13.72	13.61	13.63	14.3
		1	50	13.22	12.78	12.92	14.3
		1	99	13.57	13.22	12.81	14.3
		50	0	12.82	12.58	12.5	14.3
		50	25	12.81	12.75	12.64	14.3
		50	50	12.84	12.7	12.68	14.3
		100	0	12.73	12.65	12.46	14.3

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	64QAM	1	0	12.78	12.76	12.69	14.3
		1	50	12.32	12.36	12.35	14.3
		1	99	12.62	12.88	12.87	14.3
		50	0	12.58	12.38	12.4	14.3
		50	25	12.41	12.44	12.57	14.3
		50	50	12.41	12.35	12.69	14.3
		100	0	12.43	12.42	12.62	14.3

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LTE Band 7 Receiver on(Left head) + BT + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	10.24	10.13	10.16	11.8
		1	13	10.34	10.33	10.2	11.8
		1	24	10.43	9.84	9.98	11.8
		12	0	10.36	10.3	10.13	11.8
		12	6	10.35	10.22	10.15	11.8
		12	13	10.46	10.25	10.01	11.8
		25	0	10.39	10.2	10.01	11.8
	16QAM	1	0	10.64	10.73	10.62	11.8
		1	13	10.98	10.72	10.45	11.8
		1	24	10.74	11.19	10.67	11.8
		12	0	10.42	10.27	10.1	11.8
		12	6	10.16	10.19	10.1	11.8
		12	13	10.27	10.34	10.27	11.8
		25	0	10.26	10.25	10.13	11.8
	64QAM	1	0	10.45	10.28	10.4	11.8
		1	13	9.85	10.02	9.8	11.8
		1	24	10.35	10.39	10.52	11.8
		12	0	10.25	9.99	10.13	11.8
		12	6	10	10.11	10.06	11.8
		12	13	10.08	9.97	10.28	11.8
		25	0	10.05	10.15	10.23	11.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	10.2	10.28	10.25	11.8
		1	25	9.94	10.34	9.96	11.8
		1	49	10.3	9.89	10.01	11.8
		25	0	10.25	10.37	10.21	11.8
		25	13	10.37	10.23	10.2	11.8
		25	25	10.32	10.37	10.25	11.8
		50	0	10.35	10.26	10.21	11.8
	16QAM	1	0	10.64	10.54	10.24	11.8
		1	25	11	10.3	10.36	11.8
		1	49	10.51	10.28	10.64	11.8
		25	0	10.38	10.09	10.01	11.8
		25	13	10.24	10.18	10.03	11.8
		25	25	10.3	10.22	10.01	11.8
		50	0	10.33	10.16	10.09	11.8
	64QAM	1	0	10.45	10.4	10.36	11.8
		1	25	9.78	10.04	9.85	11.8
		1	49	10.32	10.36	10.49	11.8
		25	0	10.19	10.05	10.15	11.8

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		25	13	10	10.07	10.05	11.8
		25	25	10.07	10.03	10.22	11.8
		50	0	10.04	10.07	10.13	11.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	10.34	10.26	10.07	11.8
		1	38	10.57	10.31	10.22	11.8
		1	74	10.49	9.96	9.8	11.8
		36	0	10.38	10.3	10.21	11.8
		36	18	10.33	10.29	10.2	11.8
		36	39	10.33	10.28	10.19	11.8
		75	0	10.24	10.39	10.21	11.8
	16QAM	1	0	10.85	10.37	10.35	11.8
		1	38	11.2	11.04	10.48	11.8
		1	74	10.48	10.72	10.46	11.8
		36	0	10.23	10.34	10.07	11.8
		36	18	10.39	10.38	10.07	11.8
		36	39	10.2	10.37	10.12	11.8
		75	0	10.26	10.26	10.02	11.8
	64QAM	1	0	10.41	10.34	10.29	11.8
		1	38	9.86	9.96	9.87	11.8
		1	74	10.2	10.47	10.47	11.8
		36	0	10.23	9.95	10.07	11.8
		36	18	10.03	10.05	10.15	11.8
		36	39	10.04	9.97	10.21	11.8
		75	0	10.01	10.02	10.17	11.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	10.36	10.32	10.49	11.8
		1	50	9.85	9.74	10.3	11.8
		1	99	10.49	10.32	10.24	11.8
		50	0	10.36	10.33	10.17	11.8
		50	25	10.26	10.38	10.15	11.8
		50	50	10.29	10.27	10.22	11.8
		100	0	10.46	10.32	10.22	11.8
	16QAM	1	0	10.96	10.7	10.91	11.8
		1	50	10.8	10.52	10.81	11.8
		1	99	10.72	10.92	11.01	11.8
		50	0	10.38	10.22	10.2	11.8
		50	25	10.27	10.26	10.01	11.8
		50	50	10.25	10.16	10.07	11.8
		100	0	10.2	10.31	10.05	11.8

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	64QAM	1	0	10.41	10.34	10.29	11.8
		1	50	9.96	9.96	9.97	11.8
		1	99	10.2	10.47	10.47	11.8
		50	0	10.23	9.95	10.07	11.8
		50	25	10.03	10.05	10.15	11.8
		50	50	10.04	9.97	10.21	11.8
		100	0	10.01	10.02	10.17	11.8

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	9.92	9.24	8.98	10.8
		1	13	9.31	9.26	8.76	10.8
		1	24	9.22	8.91	8.8	10.8
		12	0	9.64	9.24	9.01	10.8
		12	6	9.35	9.12	8.93	10.8
		12	13	9.15	9.2	8.7	10.8
		25	0	9.33	9.23	8.86	10.8
	16QAM	1	0	10.19	9.7	9.37	10.8
		1	13	10.11	9.48	9.26	10.8
		1	24	9.79	9.7	9.09	10.8
		12	0	9.47	9.21	9.21	10.8
		12	6	9.48	9.23	9	10.8
		12	13	9.37	9.1	8.62	10.8
		25	0	9.39	9.07	8.83	10.8
	64QAM	1	0	9.37	9.28	9.19	10.8
		1	13	8.91	8.91	8.88	10.8
		1	24	9.19	9.41	9.42	10.8
		12	0	9.14	8.92	8.99	10.8
		12	6	8.99	9.01	9.13	10.8
		12	13	8.98	8.88	9.19	10.8
		25	0	8.98	8.99	9.17	10.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	9.83	9.36	9.87	10.8
		1	25	9.38	9.23	9	10.8
		1	49	9.03	9.01	8.53	10.8
		25	0	9.48	9.57	9.36	10.8
		25	13	9.37	9.12	9.09	10.8
		25	25	9.07	9	8.84	10.8
		50	0	9.19	9.18	9.09	10.8
	16QAM	1	0	10.55	9.77	10.12	10.8
		1	25	9.73	9.76	9.67	10.8
		1	49	9.46	9.36	8.55	10.8
		25	0	9.45	9.49	9.4	10.8
		25	13	9.4	9.09	9.16	10.8
		25	25	9.15	9.02	8.92	10.8
		50	0	9.18	9.17	9.02	10.8
	64QAM	1	0	9.34	9.29	9.26	10.8
		1	25	8.91	8.87	8.97	10.8
		1	49	9.13	9.45	9.4	10.8
		25	0	9.19	8.95	9.05	10.8

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		25	13	9	9.01	9.13	10.8
		25	25	9	8.88	9.18	10.8
		50	0	8.98	8.93	9.11	10.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	9.72	9.48	9.98	10.8
		1	38	9.24	9.32	9.21	10.8
		1	74	9.41	9.26	8.81	10.8
		36	0	9.29	9.34	9.74	10.8
		36	18	9.19	9.31	9.14	10.8
		36	39	9.4	9.38	8.93	10.8
		75	0	9.35	9.34	9.13	10.8
	16QAM	1	0	10.61	10.03	10.71	10.8
		1	38	9.58	9.96	9.94	10.8
		1	74	9.94	9.67	9.23	10.8
		36	0	9.39	9.25	9.76	10.8
		36	18	9.22	9.27	9.13	10.8
		36	39	9.48	9.4	9.02	10.8
		75	0	9.41	9.39	9.17	10.8
	64QAM	1	0	9.39	9.3	9.26	10.8
		1	38	8.92	8.95	8.97	10.8
		1	74	9.15	9.47	9.39	10.8
		36	0	9.13	8.87	8.97	10.8
		36	18	8.97	9.02	9.13	10.8
		36	39	9.02	8.9	9.16	10.8
		75	0	8.97	8.96	9.1	10.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	9.81	9.55	9.05	10.8
		1	50	9.71	9.25	9.3	10.8
		1	99	9.66	9.81	9.87	10.8
		50	0	9.7	9.57	9.81	10.8
		50	25	9.74	9.29	9.18	10.8
		50	50	9.42	9.33	9.12	10.8
		100	0	9.35	9.41	9.35	10.8
	16QAM	1	0	10.51	9.84	10.04	10.8
		1	50	10.31	9.04	9.97	10.8
		1	99	10.26	9.95	9.48	10.8
		50	0	9.68	9.46	9.78	10.8
		50	25	9.78	9.19	9.16	10.8
		50	50	9.41	9.35	9.12	10.8
		100	0	9.37	9.36	9.35	10.8

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	64QAM	1	0	9.39	9.29	9.26	10.8
		1	50	8.96	8.87	8.95	10.8
		1	99	9.1	9.41	9.45	10.8
		50	0	9.15	8.88	9.06	10.8
		50	25	8.96	9.04	9.07	10.8
		50	50	8.97	8.91	9.18	10.8
		100	0	8.98	8.97	9.1	10.8

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	12.9	12.66	12.53	14.3
		1	13	12.87	13.04	12.66	14.3
		1	24	12.69	12.77	12.3	14.3
		12	0	12.89	12.84	12.67	14.3
		12	6	12.75	12.88	12.64	14.3
		12	13	12.91	12.89	12.73	14.3
		25	0	12.87	12.86	12.56	14.3
	16QAM	1	0	13.34	13.17	12.6	14.3
		1	13	13.08	13.24	12.88	14.3
		1	24	13.43	12.49	12.85	14.3
		12	0	12.84	12.92	12.68	14.3
		12	6	12.89	12.85	12.59	14.3
		12	13	12.85	12.82	12.77	14.3
		25	0	12.93	12.66	12.59	14.3
	64QAM	1	0	12.79	12.72	12.66	14.3
		1	13	12.34	12.38	12.31	14.3
		1	24	12.69	12.84	12.85	14.3
		12	0	12.61	12.38	12.45	14.3
		12	6	12.4	12.45	12.6	14.3
		12	13	12.42	12.37	12.59	14.3
		25	0	12.4	12.48	12.65	14.3
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	13.03	12.6	12.66	14.3
		1	25	12.89	12.49	11.98	14.3
		1	49	12.31	12.76	12.78	14.3
		25	0	12.9	12.9	12.62	14.3
		25	13	12.84	12.85	12.64	14.3
		25	25	12.86	12.83	12.64	14.3
		50	0	12.75	12.73	12.62	14.3
	16QAM	1	0	13.91	13.19	12.83	14.3
		1	25	12.91	13.51	12.92	14.3
		1	49	12.93	13.09	13.29	14.3
		25	0	12.81	12.66	12.57	14.3
		25	13	12.83	12.61	12.53	14.3
		25	25	12.68	12.75	12.72	14.3
		50	0	12.85	12.72	12.5	14.3
	64QAM	1	0	12.83	12.76	12.62	14.3
		1	25	12.39	12.34	12.32	14.3
		1	49	12.67	12.88	12.9	14.3
		25	0	12.61	12.35	12.44	14.3

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		25	13	12.4	12.43	12.57	14.3
		25	25	12.46	12.34	12.6	14.3
		50	0	12.45	12.48	12.62	14.3
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	12.81	12.88	12.81	14.3
		1	38	13	12.74	12.86	14.3
		1	74	13.1	13.02	12.67	14.3
		36	0	12.99	12.86	12.74	14.3
		36	18	12.99	12.82	12.8	14.3
		36	39	12.84	12.79	12.74	14.3
		75	0	12.84	12.78	12.66	14.3
	16QAM	1	0	12.53	13.13	12.74	14.3
		1	38	13.22	13.38	13.02	14.3
		1	74	14	13.48	12.82	14.3
		36	0	12.79	12.7	12.64	14.3
		36	18	12.76	12.85	12.66	14.3
		36	39	12.88	12.71	12.65	14.3
		75	0	12.8	12.73	12.58	14.3
	64QAM	1	0	12.77	12.77	12.69	14.3
		1	38	12.35	12.32	12.37	14.3
		1	74	12.65	12.85	12.9	14.3
		36	0	12.57	12.38	12.47	14.3
		36	18	12.43	12.47	12.57	14.3
		36	39	12.39	12.33	12.66	14.3
		75	0	12.44	12.47	12.64	14.3
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	12.99	12.73	12.66	14.3
		1	50	12.37	12.51	12.12	14.3
		1	99	12.78	12.88	12.99	14.3
		50	0	12.87	12.82	12.67	14.3
		50	25	12.88	12.7	12.67	14.3
		50	50	12.79	12.74	12.68	14.3
		100	0	12.88	12.86	12.65	14.3
	16QAM	1	0	13.72	13.61	13.63	14.3
		1	50	13.22	12.78	12.92	14.3
		1	99	13.57	13.22	12.81	14.3
		50	0	12.82	12.58	12.5	14.3
		50	25	12.81	12.75	12.64	14.3
		50	50	12.84	12.7	12.68	14.3
		100	0	12.73	12.65	12.46	14.3

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	64QAM	1	0	12.78	12.76	12.69	14.3
		1	50	12.32	12.36	12.35	14.3
		1	99	12.62	12.88	12.87	14.3
		50	0	12.58	12.38	12.4	14.3
		50	25	12.41	12.44	12.57	14.3
		50	50	12.41	12.35	12.69	14.3
		100	0	12.43	12.42	12.62	14.3

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LTE Band 7 Receiver on(Left head) + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	12.55	12.27	12.01	13.8
		1	13	12.26	12.4	12.05	13.8
		1	24	12.57	12.4	11.99	13.8
		12	0	12.35	12.31	12.08	13.8
		12	6	12.27	12.24	12.15	13.8
		12	13	12.42	12.32	12.15	13.8
		25	0	12.3	12.21	12.12	13.8
	16QAM	1	0	12.95	12.41	12.7	13.8
		1	13	12.84	13.05	12.55	13.8
		1	24	12.68	12.08	12.88	13.8
		12	0	12.23	12.07	12.19	13.8
		12	6	12.37	12.34	12.08	13.8
		12	13	12.57	12.37	12.13	13.8
		25	0	12.29	12.26	12.11	13.8
	64QAM	1	0	12.45	12.38	12.4	13.8
		1	13	11.86	12.02	11.89	13.8
		1	24	12.45	12.49	12.63	13.8
		12	0	12.24	12.07	12.11	13.8
		12	6	12.14	12.11	12.03	13.8
		12	13	12.06	11.99	12.23	13.8
		25	0	12.05	12.09	12.27	13.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	12.36	12.21	12.12	13.8
		1	25	11.8	12.1	12	13.8
		1	49	12.65	12.22	12.06	13.8
		25	0	12.35	12.25	12.09	13.8
		25	13	12.39	12.42	12.17	13.8
		25	25	12.34	12.31	12.19	13.8
		50	0	12.35	12.29	12.08	13.8
	16QAM	1	0	12.49	11.99	12.56	13.8
		1	25	12.94	12.55	12.19	13.8
		1	49	12.4	13.26	12.5	13.8
		25	0	12.15	12.16	12.06	13.8
		25	13	12.09	12.23	11.89	13.8
		25	25	12.33	12.21	12.02	13.8
		50	0	12.07	12.13	12.06	13.8
	64QAM	1	0	12.42	12.4	12.39	13.8
		1	25	11.88	11.99	11.92	13.8
		1	49	12.41	12.46	12.59	13.8
		25	0	12.25	12.14	12.11	13.8

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		25	13	12.13	12.1	12.09	13.8
		25	25	11.97	12	12.14	13.8
		50	0	12.1	12.01	12.17	13.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	12.15	12.13	12.11	13.8
		1	38	11.95	12.25	12.07	13.8
		1	74	12.02	12.27	12.19	13.8
		36	0	12.37	12.26	12.18	13.8
		36	18	12.23	12.23	12.09	13.8
		36	39	12.34	12.31	12.25	13.8
		75	0	12.28	12.26	12.07	13.8
	16QAM	1	0	12.38	12.33	12.1	13.8
		1	38	12.61	12.45	12.43	13.8
		1	74	13	12.64	12.6	13.8
		36	0	12.29	12.3	12.17	13.8
		36	18	12.29	12.21	12.09	13.8
		36	39	12.2	12.26	12.16	13.8
		75	0	12.25	12.27	12.08	13.8
	64QAM	1	0	12.41	12.47	12.34	13.8
		1	38	11.87	12	11.85	13.8
		1	74	12.42	12.49	12.54	13.8
		36	0	12.33	12.09	12.11	13.8
		36	18	12.08	12.1	12.09	13.8
		36	39	11.97	11.98	12.14	13.8
		75	0	12.06	12.04	12.21	13.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	12.36	12.44	11.99	13.8
		1	50	11.36	12.24	12	13.8
		1	99	12.27	12.19	11.98	13.8
		50	0	12.27	12.27	12.23	13.8
		50	25	12.35	12.21	12.12	13.8
		50	50	12.31	12.32	12.25	13.8
		100	0	12.39	12.34	12.18	13.8
	16QAM	1	0	12.93	12.73	12.89	13.8
		1	50	12.93	12.66	12.49	13.8
		1	99	12.7	12.93	12.46	13.8
		50	0	12.26	12.25	12.14	13.8
		50	25	12.4	12.09	11.99	13.8
		50	50	12.28	12.31	12.23	13.8
		100	0	12.24	12.3	12.02	13.8

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	64QAM	1	0	12.42	12.37	12.37	13.8
		1	50	11.81	12.03	11.87	13.8
		1	99	12.41	12.42	12.61	13.8
		50	0	12.27	12.14	12.14	13.8
		50	25	12.06	12.1	12.1	13.8
		50	50	12	12.01	12.23	13.8
		100	0	12.04	12.09	12.17	13.8

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LTE Band 7 Receiver on(Right head) + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20775	Channel 21100	Channel 21425	Tune up
5MHz	QPSK	1	0	11.25	11.37	10.92	12.8
		1	13	11.27	11.3	10.99	12.8
		1	24	11.32	11.26	11.2	12.8
		12	0	11.32	11.38	11.25	12.8
		12	6	11.11	11.22	11.17	12.8
		12	13	11.34	11.34	11.14	12.8
		25	0	11.28	11.33	11.07	12.8
	16QAM	1	0	11.33	11.18	11.27	12.8
		1	13	12.04	11.91	11.53	12.8
		1	24	11.44	11.24	11.2	12.8
		12	0	11.47	11.22	11.26	12.8
		12	6	11.27	11.03	11.14	12.8
		12	13	11.23	11.29	11.05	12.8
		25	0	11.28	11.2	11.06	12.8
	64QAM	1	0	11.4	11.27	11.27	12.8
		1	13	10.7	10.91	10.84	12.8
		1	24	11.23	11.43	11.41	12.8
		12	0	11.12	10.9	10.98	12.8
		12	6	10.97	10.96	11.04	12.8
		12	13	10.9	10.92	11.18	12.8
		25	0	10.9	11.01	11.15	12.8
Bandwidth	Modulation	RB size	RB offset	Channel 20800	Channel 21100	Channel 21400	Tune up
10MHz	QPSK	1	0	11.4	11.24	11.3	12.8
		1	25	11.12	11.41	10.62	12.8
		1	49	11.28	10.97	10.93	12.8
		25	0	11.35	11.31	11.16	12.8
		25	13	11.27	11.4	11.08	12.8
		25	25	11.32	11.26	11.04	12.8
		50	0	11.36	11.33	11.23	12.8
	16QAM	1	0	11.69	11.2	11.37	12.8
		1	25	11.5	11.45	10.69	12.8
		1	49	11.86	11.64	11.5	12.8
		25	0	11.22	11.09	11.06	12.8
		25	13	11.32	11.24	11.03	12.8
		25	25	11.38	11.14	11.04	12.8
		50	0	11.07	11.32	10.94	12.8
	64QAM	1	0	11.35	11.29	11.24	12.8
		1	25	10.75	10.89	10.82	12.8
		1	49	11.23	11.33	11.47	12.8
		25	0	11.1	10.92	11.03	12.8

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		25	13	11.01	11.02	11.04	12.8
		25	25	10.94	10.94	11.17	12.8
		50	0	10.93	11.03	11.11	12.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	11.25	11.15	10.84	12.8
		1	38	11.33	10.96	11.12	12.8
		1	74	11.24	11.1	11.24	12.8
		36	0	11.4	11.38	11.06	12.8
		36	18	11.39	11.33	11.15	12.8
		36	39	11.41	11.32	11.15	12.8
		75	0	11.28	11.28	11.19	12.8
	16QAM	1	0	11.67	11.56	11.54	12.8
		1	38	11.17	11.38	11.03	12.8
		1	74	11.52	11.89	11.45	12.8
		36	0	11.27	11.22	10.97	12.8
		36	18	11.23	11.2	11.02	12.8
		36	39	11.3	11.1	11.13	12.8
		75	0	11.31	11.15	11.14	12.8
	64QAM	1	0	11.34	11.32	11.29	12.8
		1	38	10.76	10.92	10.82	12.8
		1	74	11.16	11.35	11.45	12.8
		36	0	11.14	10.94	10.97	12.8
		36	18	10.98	10.96	11.05	12.8
		36	39	10.97	10.97	11.17	12.8
		75	0	10.96	10.99	11.14	12.8
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	11.49	11.34	11.3	12.8
		1	50	11	11.32	11.62	12.8
		1	99	11.15	11.03	11.4	12.8
		50	0	11.38	11.35	11.18	12.8
		50	25	11.29	11.23	11.15	12.8
		50	50	11.31	11.41	11.23	12.8
		100	0	11.33	11.32	11.17	12.8
	16QAM	1	0	11.57	11.73	11.13	12.8
		1	50	11.72	11.24	11.5	12.8
		1	99	11.69	11.4	11.53	12.8
		50	0	11.23	11.21	11.04	12.8
		50	25	11.29	11.3	11.1	12.8
		50	50	11.2	11.22	11.11	12.8
		100	0	11.25	11.22	11.18	12.8

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	64QAM	1	0	11.39	11.28	11.3	12.8
		1	50	10.74	10.96	10.78	12.8
		1	99	11.24	11.35	11.43	12.8
		50	0	11.14	10.97	11.04	12.8
		50	25	10.95	11	10.97	12.8
		50	50	10.98	10.95	11.19	12.8
		100	0	10.97	11.05	11.12	12.8

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LTE Band 7 Receiver off + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20775	Channel 21100	Channel 21425	Tune up
5MHz	QPSK	1	0	14.88	14.75	14.67	16.3
		1	13	14.87	14.72	14.69	16.3
		1	24	14.85	14.77	14.68	16.3
		12	0	14.82	14.84	14.73	16.3
		12	6	14.94	14.7	14.61	16.3
		12	13	14.87	14.83	14.67	16.3
		25	0	14.88	14.69	14.66	16.3
	16QAM	1	0	15.15	15.09	14.9	16.3
		1	13	15.38	15.08	15.09	16.3
		1	24	15.21	15.17	14.89	16.3
		12	0	14.88	14.83	14.64	16.3
		12	6	14.9	14.72	14.29	16.3
		12	13	14.84	14.81	14.67	16.3
		25	0	14.86	14.81	14.55	16.3
	64QAM	1	0	14.83	14.69	14.8	16.3
		1	13	14.15	14.39	14.26	16.3
		1	24	14.69	14.78	14.88	16.3
		12	0	14.6	14.39	14.47	16.3
		12	6	14.36	14.49	14.4	16.3
		12	13	14.42	14.44	14.62	16.3
		25	0	14.46	14.55	14.57	16.3
Bandwidth	Modulation	RB size	RB offset	Channel 20800	Channel 21100	Channel 21400	Tune up
10MHz	QPSK	1	0	14.9	14.72	14.65	16.3
		1	25	14.75	15.14	14.12	16.3
		1	49	14.76	14.86	14.67	16.3
		25	0	14.92	14.86	14.68	16.3
		25	13	14.74	14.73	14.7	16.3
		25	25	14.88	14.73	14.7	16.3
		50	0	14.88	14.8	14.67	16.3
	16QAM	1	0	15.37	14.9	15.1	16.3
		1	25	15.1	15.19	15.44	16.3
		1	49	14.63	15.35	14.91	16.3
		25	0	14.87	14.91	14.51	16.3
		25	13	14.68	14.63	14.6	16.3
		25	25	14.83	14.82	14.72	16.3
		50	0	14.83	14.73	14.58	16.3
	64QAM	1	0	14.86	14.69	14.74	16.3
		1	25	14.19	14.42	14.26	16.3
		1	49	14.69	14.79	14.91	16.3
		25	0	14.62	14.41	14.46	16.3

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		25	13	14.4	14.43	14.45	16.3
		25	25	14.45	14.44	14.6	16.3
		50	0	14.38	14.46	14.6	16.3
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	14.87	14.75	14.53	16.3
		1	38	14.82	14.84	14.75	16.3
		1	74	14.77	14.79	14.65	16.3
		36	0	14.87	14.75	14.69	16.3
		36	18	14.78	14.85	14.64	16.3
		36	39	14.85	14.71	14.68	16.3
		75	0	14.91	14.76	14.74	16.3
	16QAM	1	0	15.16	15.16	14.93	16.3
		1	38	15.07	14.94	14.97	16.3
		1	74	15.08	15.06	14.85	16.3
		36	0	14.81	14.89	14.64	16.3
		36	18	14.81	14.76	14.56	16.3
		36	39	14.84	14.82	14.62	16.3
		75	0	14.75	14.65	14.64	16.3
	64QAM	1	0	14.85	14.73	14.74	16.3
		1	38	14.2	14.4	14.28	16.3
		1	74	14.72	14.77	14.83	16.3
		36	0	14.58	14.38	14.51	16.3
		36	18	14.44	14.4	14.42	16.3
		36	39	14.39	14.4	14.61	16.3
		75	0	14.4	14.55	14.6	16.3
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	14.95	14.92	14.67	16.3
		1	50	14.75	14.79	14.44	16.3
		1	99	14.78	14.85	14.86	16.3
		50	0	14.86	14.84	14.76	16.3
		50	25	14.77	14.88	14.7	16.3
		50	50	14.8	14.82	14.63	16.3
		100	0	14.85	14.86	14.75	16.3
	16QAM	1	0	15.35	15.08	15.25	16.3
		1	50	15.08	14.23	14.66	16.3
		1	99	14.97	15.42	15.51	16.3
		50	0	14.88	14.63	14.53	16.3
		50	25	14.72	14.84	14.63	16.3
		50	50	14.88	14.7	14.72	16.3
		100	0	14.76	14.82	14.5	16.3

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	64QAM	1	0	14.88	14.68	14.78	16.3
		1	50	14.24	14.45	14.21	16.3
		1	99	14.71	14.77	14.86	16.3
		50	0	14.62	14.43	14.47	16.3
		50	25	14.44	14.44	14.4	16.3
		50	50	14.44	14.41	14.64	16.3
		100	0	14.38	14.49	14.58	16.3

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LTE Band 12 Receiver on(Left head)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	20.69	20.6	20.74	21.5
		1	2	20.41	20.2	20.26	21.5
		1	5	20.62	20.63	20.72	21.5
		3	0	20.59	20.51	20.54	21.5
		3	2	20.42	20.26	20.52	21.5
		3	3	20.55	20.54	20.61	21.5
		6	0	20.53	20.4	20.69	21.5
	16QAM	1	0	21.01	20.83	20.91	21.5
		1	2	20.82	20.63	20.81	21.5
		1	5	20.92	20.89	20.97	21.5
		3	0	20.69	20.61	20.7	21.5
		3	2	20.58	20.38	20.42	21.5
		3	3	20.68	20.59	20.78	21.5
		6	0	20.56	20.61	20.61	21.5
	64QAM	1	0	20.66	20.6	20.79	21.5
		1	2	20.66	20.35	20.47	21.5
		1	5	20.65	20.73	20.72	21.5
		3	0	20.66	20.6	20.79	21.5
		3	2	20.66	20.35	20.47	21.5
		3	3	20.65	20.73	20.72	21.5
		6	0	19.96	19.98	20.12	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	20.67	20.55	20.67	21.5
		1	7	20.43	19.91	20.32	21.5
		1	14	20.59	20.69	20.7	21.5
		8	0	20.65	20.53	20.68	21.5
		8	4	20.56	20.61	20.68	21.5
		8	7	20.49	20.62	20.64	21.5
		15	0	20.61	20.59	20.65	21.5
	16QAM	1	0	20.9	20.82	20.88	21.5
		1	7	20.85	20.95	20.87	21.5
		1	14	20.87	20.84	20.94	21.5
		8	0	20.48	20.48	20.7	21.5
		8	4	20.54	20.58	20.77	21.5
		8	7	20.51	20.58	20.56	21.5
		15	0	20.52	20.54	20.67	21.5
	64QAM	1	0	20.78	20.64	20.81	21.5
		1	7	20.7	20.44	20.57	21.5
		1	14	20.74	20.79	20.85	21.5
		8	0	20.06	20	20.11	21

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		8	4	20.02	19.97	20.09	21
		8	7	19.96	20.05	20.13	21
		15	0	20	20	20.17	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	20.64	20.63	20.66	21.5
		1	13	20.6	20.71	20.69	21.5
		1	24	20.65	20.66	20.71	21.5
		12	0	20.66	20.65	20.67	21.5
		12	6	20.44	20.6	20.6	21.5
		12	13	20.61	20.65	20.82	21.5
		25	0	20.55	20.57	20.69	21.5
	16QAM	1	0	20.87	20.8	20.96	21.5
		1	13	20.89	20.9	20.97	21.5
		1	24	20.93	20.86	20.86	21.5
		12	0	20.59	20.6	20.69	21.5
		12	6	20.56	20.57	20.56	21.5
		12	13	20.53	20.63	20.81	21.5
		25	0	20.51	20.53	20.59	21.5
	64QAM	1	0	20.73	20.63	20.77	21.5
		1	13	20.68	20.46	20.49	21.5
		1	24	20.71	20.72	20.83	21.5
		12	0	20	19.98	20.09	21
		12	6	19.97	19.98	20.1	21
		12	13	19.98	20	20.15	21
		25	0	20.02	20.07	20.12	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	20.7	20.56	20.57	21.5
		1	25	20.54	20.56	20.55	21.5
		1	49	20.68	20.74	20.77	21.5
		25	0	20.59	20.6	20.67	21.5
		25	13	20.6	20.6	20.65	21.5
		25	25	20.62	20.68	20.79	21.5
		50	0	20.54	20.63	20.71	21.5
	16QAM	1	0	20.83	20.71	20.76	21.5
		1	25	20.44	20.62	20.79	21.5
		1	49	20.87	20.98	20.95	21.5
		25	0	20.51	20.55	20.63	21.5
		25	13	20.58	20.54	20.63	21.5
		25	25	20.58	20.68	20.73	21.5
		50	0	20.54	20.59	20.64	21.5

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	64QAM	1	0	20.8	20.71	20.81	21.5
		1	25	20.74	20.47	20.57	21.5
		1	49	20.77	20.8	20.87	21.5
		25	0	20.06	20.05	20.17	21
		25	13	20.05	20.04	20.12	21
		25	25	20.01	20.09	20.17	21
		50	0	20.02	20.08	20.18	21

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LTE Band 12 Receiver on(Right head)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	20.17	20.1	20.23	21
		1	2	19.58	19.59	19.78	21
		1	5	20.14	20.07	20.22	21
		3	0	20.05	19.93	20.07	21
		3	2	20.03	19.95	19.97	21
		3	3	20.05	20.02	20.08	21
		6	0	20.11	20.02	20.14	21
	16QAM	1	0	20.42	20.36	20.44	21
		1	2	20.38	20.18	20.21	21
		1	5	20.48	20.46	20.51	21
		3	0	20.09	19.99	20.22	21
		3	2	19.9	20.04	20	21
		3	3	20.1	20.1	20.12	21
		6	0	20.06	20.04	20.07	21
	64QAM	1	0	20.2	20.12	20.21	21
		1	2	20.06	19.84	20.02	21
		1	5	20.14	20.36	20.33	21
		3	0	20	20.01	20.14	21
		3	2	19.96	19.98	20.05	21
		3	3	19.95	20.07	20.11	21
		6	0	19.98	20.01	20.06	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	20.19	20.07	20.14	21
		1	7	19.93	19.89	19.45	21
		1	14	20.08	20.13	20.16	21
		8	0	20.1	20.04	20.22	21
		8	4	20.08	20.05	20.23	21
		8	7	20.05	20.04	20.08	21
		15	0	20.04	20.09	20.2	21
	16QAM	1	0	20.48	20.34	20.33	21
		1	7	20.05	20.07	20.21	21
		1	14	20.48	20.39	20.49	21
		8	0	20.08	20.03	20.21	21
		8	4	20.01	19.99	20.14	21
		8	7	19.93	20.05	20.04	21
		15	0	20.03	20.07	20.2	21
	64QAM	1	0	20.26	20.08	20.19	21
		1	7	20.09	19.84	20.01	21
		1	14	20.18	20.35	20.34	21
		8	0	20.05	20.03	20.08	21

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		8	4	19.95	19.99	20.03	21
		8	7	19.93	20.04	20.14	21
		15	0	19.93	20.06	20.09	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	20.18	20.08	20.16	21
		1	13	20.12	20.15	20.15	21
		1	24	20.09	20.14	20.18	21
		12	0	20.12	20.11	20.14	21
		12	6	20.06	20.11	20.07	21
		12	13	20.08	20.17	20.3	21
		25	0	20.06	20.06	20.1	21
	16QAM	1	0	20.48	20.35	20.4	21
		1	13	20.37	20.38	20.5	21
		1	24	20.45	20.47	20.48	21
		12	0	20.15	20.06	20.15	21
		12	6	20.04	20.11	20.07	21
		12	13	20.08	20.12	20.28	21
		25	0	19.98	20.02	20.07	21
	64QAM	1	0	20.26	20.06	20.17	21
		1	13	20.07	19.86	19.98	21
		1	24	20.15	20.32	20.3	21
		12	0	19.98	20.03	20.14	21
		12	6	20.01	19.98	20.07	21
		12	13	19.99	20.12	20.09	21
		25	0	19.96	20.07	20.07	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	20.1	20.05	20.03	21
		1	25	19.88	19.91	20.03	21
		1	49	20.12	20.16	20.21	21
		25	0	20.08	20.05	20.11	21
		25	13	20.09	20.07	20.14	21
		25	25	20.07	20.14	20.25	21
		50	0	20.04	20.13	20.22	21
	16QAM	1	0	20.44	20.31	20.4	21
		1	25	20.21	20.05	20.35	21
		1	49	20.45	20.37	20.64	21
		25	0	20.03	19.92	20.06	21
		25	13	20.07	19.98	20.09	21
		25	25	20.06	20.08	20.17	21
		50	0	20.03	20.05	20.1	21

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	64QAM	1	0	20.28	20.14	20.26	21
		1	25	20.1	19.88	20.05	21
		1	49	20.21	20.38	20.39	21
		25	0	20.07	20.05	20.15	21
		25	13	20.04	20.06	20.11	21
		25	25	20	20.13	20.17	21
		50	0	20.01	20.09	20.11	21

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LTE Band 12 Receiver off (Full Power)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	23.14	23.02	23.13	24
		1	2	22.89	22.78	22.77	24
		1	5	23.09	23.09	23.11	24
		3	0	23.01	22.91	22.96	24
		3	2	22.95	22.84	22.92	24
		3	3	22.92	22.99	23.01	24
		6	0	22.05	21.95	22.04	23
	16QAM	1	0	22.38	22.28	22.29	23
		1	2	22.09	22.03	22.18	23
		1	5	22.31	22.37	22.29	23
		3	0	22.14	22.04	21.92	23
		3	2	21.95	22	22.04	23
		3	3	22	22	22.04	23
		6	0	20.96	20.97	20.99	22
	64QAM	1	0	21.19	21.29	21.24	22
		1	2	20.88	20.96	20.92	22
		1	5	21.27	21.25	21.32	22
		3	0	21.18	21.28	21.24	22
		3	2	20.86	20.96	20.92	22
		3	3	21.25	21.24	21.31	22
		6	0	20	19.99	20.07	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	23.25	23.12	23.12	24
		1	7	22.82	22.53	22.72	24
		1	14	23.09	23.2	23.22	24
		8	0	22.14	21.99	22.11	23
		8	4	21.97	21.99	22.1	23
		8	7	21.92	22.09	21.99	23
		15	0	21.98	22.05	22.09	23
	16QAM	1	0	22.41	22.36	22.38	23
		1	7	21.66	21.71	21.74	23
		1	14	22.27	22.41	22.42	23
		8	0	21.03	21.02	21.12	22
		8	4	20.98	20.95	21.07	22
		8	7	20.94	20.99	21	22
		15	0	20.95	20.99	21.07	22
	64QAM	1	0	21.21	21.31	21.29	22
		1	7	20.89	20.92	20.84	22
		1	14	21.25	21.23	21.3	22
		8	0	20.01	20.03	20.12	21

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		8	4	20.02	19.98	20.1	21
		8	7	19.94	20.09	20.15	21
		15	0	19.98	19.98	20.08	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	23.18	23.06	23.2	24
		1	13	23.08	23.12	23.12	24
		1	24	23.12	23.19	23.12	24
		12	0	22.07	22.06	22.07	23
		12	6	21.97	22	22.02	23
		12	13	22.03	22.08	22.2	23
		25	0	21.99	21.99	22.07	23
	16QAM	1	0	22.35	22.3	22.33	23
		1	13	22.34	22.36	22.35	23
		1	24	22.34	22.45	22.31	23
		12	0	21.04	21	21.07	22
		12	6	21.01	21.06	21.01	22
		12	13	21.04	21.05	21.23	22
		25	0	21.01	20.97	21.04	22
	64QAM	1	0	21.27	21.33	21.3	22
		1	13	20.97	20.98	20.92	22
		1	24	21.29	21.3	21.33	22
		12	0	20.06	20.05	20.13	21
		12	6	20.07	19.99	20.14	21
		12	13	20.01	20.11	20.19	21
		25	0	20.03	20.06	20.11	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	23.13	22.99	23.05	24
		1	25	22.99	22.93	22.79	24
		1	49	23.11	23.18	23.19	24
		25	0	21.99	21.97	22.04	23
		25	13	22.01	22	22.09	23
		25	25	22.02	22.14	22.16	23
		50	0	22	22.04	22.15	23
	16QAM	1	0	22.22	22.18	22.27	23
		1	25	22.13	22.01	22.21	23
		1	49	22.24	22.32	22.37	23
		25	0	21.01	20.95	20.97	22
		25	13	20.96	20.99	21.06	22
		25	25	20.94	21.02	21.11	22
		50	0	20.93	20.96	21.02	22

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	64QAM	1	0	21.27	21.34	21.31	22
		1	25	20.98	20.99	20.93	22
		1	49	21.3	21.3	21.33	22
		25	0	20.07	20.05	20.14	21
		25	13	20.08	20	20.15	21
		25	25	20.01	20.11	20.19	21
		50	0	20.03	20.07	20.12	21

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LTE Band 12 Receiver off + hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	20.01	19.97	20.08	21
		1	2	19.48	19.55	19.57	21
		1	5	20.01	20	20.05	21
		3	0	20.01	19.92	19.93	21
		3	2	19.67	19.79	19.83	21
		3	3	19.99	19.8	19.94	21
		6	0	19.89	19.78	19.96	21
	16QAM	1	0	20.42	20.28	20.39	21
		1	2	20.21	20.08	20.08	21
		1	5	20.26	20.3	20.38	21
		3	0	20.02	19.91	20.05	21
		3	2	19.79	19.99	19.84	21
		3	3	19.93	19.92	19.91	21
		6	0	19.86	19.93	19.95	21
	64QAM	1	0	20.23	20.08	20.21	21
		1	2	20.02	19.86	20.04	21
		1	5	20.19	20.33	20.34	21
		3	0	20.04	20.04	20.11	21
		3	2	19.96	20.03	20.06	21
		3	3	19.94	20.09	20.13	21
		6	0	19.99	20.06	20.06	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	20	19.94	19.97	21
		1	7	19.71	20	19.65	21
		1	14	19.96	19.98	20.03	21
		8	0	19.97	19.82	20.04	21
		8	4	20	19.84	20.09	21
		8	7	19.86	19.91	19.96	21
		15	0	19.95	19.99	20.02	21
	16QAM	1	0	20.35	20.25	20.35	21
		1	7	20.18	19.79	19.95	21
		1	14	20.25	20.37	20.36	21
		8	0	19.81	19.87	19.99	21
		8	4	19.87	19.91	20.04	21
		8	7	19.88	19.96	19.94	21
		15	0	19.88	19.97	19.92	21
	64QAM	1	0	20.22	20.08	20.26	21
		1	7	20.03	19.88	19.99	21
		1	14	20.16	20.36	20.32	21
		8	0	20.01	20.03	20.08	21

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		8	4	20.04	19.98	20.06	21
		8	7	19.93	20.09	20.11	21
		15	0	19.95	20.08	20.11	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	20.02	19.96	20.02	21
		1	13	19.92	20.01	20.03	21
		1	24	20	20.02	20.04	21
		12	0	20	20	19.99	21
		12	6	19.91	19.88	19.9	21
		12	13	19.98	20	20.14	21
		25	0	19.91	19.9	20.01	21
	16QAM	1	0	20.37	20.21	20.29	21
		1	13	20.33	20.33	20.34	21
		1	24	20.38	20.33	20.29	21
		12	0	19.96	19.97	19.98	21
		12	6	19.86	19.91	19.87	21
		12	13	19.93	19.97	20.13	21
		25	0	19.9	19.89	20.03	21
	64QAM	1	0	20.24	20.13	20.23	21
		1	13	20.07	19.84	20.04	21
		1	24	20.2	20.35	20.35	21
		12	0	20.01	20.05	20.15	21
		12	6	19.99	20.06	20.04	21
		12	13	19.97	20.11	20.13	21
		25	0	19.99	20.07	20.06	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	19.97	19.95	19.87	21
		1	25	19.7	19.73	19.7	21
		1	49	20.02	20.04	20.07	21
		25	0	19.97	19.93	19.98	21
		25	13	19.92	19.94	19.99	21
		25	25	19.93	20.04	20.08	21
		50	0	19.9	19.99	20.06	21
	16QAM	1	0	20.12	20.19	20.12	21
		1	25	20.17	20.22	20.18	21
		1	49	20.42	20.37	20.35	21
		25	0	19.91	19.91	19.92	21
		25	13	19.92	19.87	19.93	21
		25	25	19.86	20	20	21
		50	0	19.85	19.89	19.94	21

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	64QAM	1	0	20.21	20.06	20.23	21
		1	25	20.04	19.81	19.98	21
		1	49	20.18	20.33	20.34	21
		25	0	20.04	19.98	20.14	21
		25	13	19.97	20.04	20.11	21
		25	25	19.95	20.05	20.14	21
		50	0	19.96	20.04	20.08	21

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	18.06	18.01	18.08	19
		1	2	17.42	17.42	17.45	19
		1	5	18	18	18.05	19
		3	0	18.08	17.93	18.03	19
		3	2	17.81	17.77	17.75	19
		3	3	17.81	17.73	17.92	19
		6	0	17.9	17.89	17.97	19
	16QAM	1	0	18.37	18.29	18.42	19
		1	2	18.2	18.29	18.35	19
		1	5	18.33	18.25	18.39	19
		3	0	18.02	18.01	18.12	19
		3	2	17.8	17.95	17.97	19
		3	3	17.93	17.94	17.96	19
		6	0	17.86	17.85	17.9	19
	64QAM	1	0	18.21	17.88	17.95	19
		1	2	17.99	17.7	17.77	19
		1	5	18.04	18.1	18.05	19
		3	0	17.86	17.92	18.14	19
		3	2	17.87	17.92	17.98	19
		3	3	17.77	17.77	18.09	19
		6	0	17.92	17.79	17.93	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	18	17.95	18.03	19
		1	7	17.9	17.81	17.59	19
		1	14	17.99	18.03	18.08	19
		8	0	17.96	17.84	18.05	19
		8	4	17.95	17.9	18.08	19
		8	7	17.88	17.94	17.92	19
		15	0	17.89	17.98	18.08	19
	16QAM	1	0	18.32	18.18	18.36	19
		1	7	17.91	18.05	18.09	19
		1	14	18.23	18.21	18.33	19
		8	0	17.97	17.9	17.99	19
		8	4	17.97	17.95	18.09	19
		8	7	17.89	17.95	17.98	19
		15	0	17.86	17.9	17.99	19
	64QAM	1	0	18.19	18.01	17.98	19
		1	7	17.92	17.65	17.83	19
		1	14	17.91	18.23	18.07	19
		8	0	17.89	17.79	17.86	19

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		8	4	17.96	17.86	17.91	19
		8	7	17.81	18.04	18.06	19
		15	0	17.7	17.84	18.03	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	18.04	17.92	18.02	19
		1	13	17.96	17.99	18.06	19
		1	24	18	18	18.06	19
		12	0	18.03	17.98	18.02	19
		12	6	17.92	17.93	17.94	19
		12	13	18	18.03	18.17	19
		25	0	17.97	17.98	18.07	19
	16QAM	1	0	18.22	18.19	18.3	19
		1	13	18.33	18.29	18.4	19
		1	24	18.36	18.4	18.29	19
		12	0	17.93	17.94	17.98	19
		12	6	17.93	17.99	17.96	19
		12	13	17.93	17.94	18.11	19
		25	0	17.91	17.92	18.01	19
	64QAM	1	0	18.15	18.05	18.12	19
		1	13	17.92	17.54	17.9	19
		1	24	18.04	18.03	18.18	19
		12	0	17.77	17.77	18.02	19
		12	6	17.77	18.03	18.04	19
		12	13	17.86	18	18.03	19
		25	0	17.72	18.02	17.82	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	17.95	17.9	17.94	19
		1	25	17.77	17.91	17.68	19
		1	49	18.03	18.05	18.07	19
		25	0	17.98	17.92	18.03	19
		25	13	17.95	17.99	18.01	19
		25	25	17.95	18.04	18.1	19
		50	0	17.93	17.98	18.05	19
	16QAM	1	0	18.28	18.22	18.19	19
		1	25	18.08	18.03	18.16	19
		1	49	18.32	18.32	18.34	19
		25	0	17.87	17.89	17.93	19
		25	13	17.91	17.93	17.93	19
		25	25	17.86	17.94	18.03	19
		50	0	17.84	17.91	18.01	19

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	64QAM	1	0	18.18	17.77	18.08	19
		1	25	18.03	17.58	17.83	19
		1	49	18.17	18.17	18.26	19
		25	0	17.77	17.84	17.89	19
		25	13	17.71	17.77	18.09	19
		25	25	17.76	18	18.06	19
		50	0	17.96	17.95	17.87	19

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LTE Band 12 Receiver on(Left head) + hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	17.58	17.51	17.67	18.5
		1	2	16.43	17.26	17.76	18.5
		1	5	17.4	17.38	17.64	18.5
		3	0	17.47	16.99	17.53	18.5
		3	2	17.53	16.9	17.34	18.5
		3	3	17.03	17.12	17.19	18.5
		6	0	17.49	17.45	17.85	18.5
	16QAM	1	0	17.67	17.4	17.59	18.5
		1	2	16.93	17.65	17.41	18.5
		1	5	17.73	17.5	17.93	18.5
		3	0	17.52	17.43	17.25	18.5
		3	2	17.5	17.24	17.67	18.5
		3	3	17.43	16.93	17.16	18.5
		6	0	17.05	17.11	17.52	18.5
	64QAM	1	0	17.65	17.29	17.38	18.5
		1	2	17.43	17.16	17.22	18.5
		1	5	17.53	17.59	17.45	18.5
		3	0	17.31	17.32	17.59	18.5
		3	2	17.35	17.33	17.42	18.5
		3	3	17.26	17.27	17.5	18.5
		6	0	17.35	17.2	17.42	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	17.48	17.45	17.52	18.5
		1	7	16.85	16.83	15.81	18.5
		1	14	17.56	17.45	17.46	18.5
		8	0	17.24	17.5	17.14	18.5
		8	4	17.64	17.43	17.61	18.5
		8	7	17.44	17.56	17.46	18.5
		15	0	17.4	17.49	17.7	18.5
	16QAM	1	0	17.96	17.27	18.23	18.5
		1	7	17.05	17.45	17.15	18.5
		1	14	17.71	17.84	17.81	18.5
		8	0	17.51	17.3	17.11	18.5
		8	4	17.68	17.45	17.44	18.5
		8	7	17.04	17.83	17.57	18.5
		15	0	17.31	17.38	17.55	18.5
	64QAM	1	0	17.63	17.33	17.41	18.5
		1	7	17.46	17.14	17.26	18.5
		1	14	17.52	17.51	17.55	18.5
		8	0	17.3	17.36	17.63	18.5
		8	4	17.29	17.33	17.43	18.5

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		8	7	17.26	17.23	17.52	18.5
		15	0	17.34	17.22	17.35	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	17.62	17.29	17.46	18.5
		1	13	17.42	17.36	17.53	18.5
		1	24	17.4	17.57	17.41	18.5
		12	0	17.46	17.42	17.51	18.5
		12	6	17.5	17.52	17.31	18.5
		12	13	17.49	17.47	17.62	18.5
		25	0	17.33	17.34	17.46	18.5
	16QAM	1	0	17.51	17.89	17.18	18.5
		1	13	17.19	18.13	18	18.5
		1	24	18.02	17.4	18.18	18.5
		12	0	17.46	17.45	17.56	18.5
		12	6	17.28	17.42	17.34	18.5
		12	13	17.45	17.36	17.68	18.5
		25	0	17.27	17.29	17.42	18.5
	64QAM	1	0	17.61	17.37	17.42	18.5
		1	13	17.48	17.17	17.18	18.5
		1	24	17.44	17.5	17.54	18.5
		12	0	17.32	17.36	17.58	18.5
		12	6	17.36	17.34	17.44	18.5
		12	13	17.24	17.19	17.52	18.5
		25	0	17.35	17.25	17.33	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	17.48	17.39	17.3	18.5
		1	25	16.44	17.73	16.88	18.5
		1	49	17.53	17.44	17.6	18.5
		25	0	17.4	17.29	17.43	18.5
		25	13	17.44	17.36	17.46	18.5
		25	25	17.4	17.43	17.63	18.5
		50	0	17.44	17.45	17.58	18.5
	16QAM	1	0	17.89	17.58	17.76	18.5
		1	25	16.93	17.82	17.63	18.5
		1	49	18.06	17.89	17.5	18.5
		25	0	17.27	17.38	17.46	18.5
		25	13	17.24	17.31	17.36	18.5
		25	25	17.32	17.38	17.5	18.5
		50	0	17.21	17.39	17.34	18.5

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	64QAM	1	0	17.62	17.35	17.4	18.5
		1	25	17.41	17.18	17.18	18.5
		1	49	17.5	17.6	17.53	18.5
		25	0	17.28	17.34	17.61	18.5
		25	13	17.32	17.41	17.4	18.5
		25	25	17.17	17.22	17.49	18.5
		50	0	17.41	17.26	17.42	18.5

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LTE Band 12 Receiver on(Right head) + hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	17.14	16.9	17.1	18
		1	2	16.59	17.18	17.33	18
		1	5	16.98	16.98	17.12	18
		3	0	17.13	16.91	17.02	18
		3	2	16.98	16.95	17.1	18
		3	3	17.08	17.05	16.99	18
		6	0	16.9	17.24	17.04	18
	16QAM	1	0	17.45	17.22	17.67	18
		1	2	17.08	16.76	16.83	18
		1	5	16.93	17.46	17.3	18
		3	0	16.98	16.89	17.22	18
		3	2	16.85	16.75	17.08	18
		3	3	16.81	16.71	16.58	18
		6	0	16.68	16.8	17.1	18
	64QAM	1	0	17.05	16.81	16.85	18
		1	2	16.86	16.65	16.59	18
		1	5	16.92	17.04	16.98	18
		3	0	16.71	16.76	17.02	18
		3	2	16.81	16.85	16.8	18
		3	3	16.64	16.7	16.99	18
		6	0	16.82	16.67	16.86	18
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	16.98	16.8	16.98	18
		1	7	15.11	15.78	16.69	18
		1	14	16.89	16.9	17.14	18
		8	0	16.96	16.88	17.19	18
		8	4	16.82	16.92	17.14	18
		8	7	16.71	17.04	16.99	18
		15	0	16.89	16.95	17.02	18
	16QAM	1	0	17.48	16.78	16.88	18
		1	7	16.6	17.29	16.7	18
		1	14	17.29	17.08	17.43	18
		8	0	16.97	16.9	17.21	18
		8	4	16.87	16.45	17.06	18
		8	7	16.96	16.82	17	18
		15	0	16.9	16.87	16.97	18
	64QAM	1	0	17.07	16.81	16.86	18
		1	7	16.89	16.68	16.67	18
		1	14	16.92	17.08	16.95	18
		8	0	16.76	16.79	17.05	18
		8	4	16.79	16.86	16.86	18

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		8	7	16.62	16.65	16.9	18
		15	0	16.86	16.75	16.84	18
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	17	16.83	16.91	18
		1	13	16.89	16.96	17.05	18
		1	24	16.94	16.93	17.08	18
		12	0	16.95	16.94	17.09	18
		12	6	16.85	17.01	16.93	18
		12	13	16.97	17.02	17.09	18
		25	0	16.83	16.83	16.99	18
	16QAM	1	0	16.84	17.25	17.06	18
		1	13	17.24	17.2	16.83	18
		1	24	17.24	17.38	17.71	18
		12	0	16.87	16.81	16.98	18
		12	6	17.05	16.91	17.03	18
		12	13	16.94	17	17.11	18
		25	0	16.79	16.84	16.93	18
	64QAM	1	0	17.06	16.75	16.88	18
		1	13	16.83	16.62	16.66	18
		1	24	16.91	17.08	17	18
		12	0	16.73	16.76	17.09	18
		12	6	16.76	16.89	16.89	18
		12	13	16.63	16.67	16.93	18
		25	0	16.86	16.73	16.91	18
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	16.97	16.83	16.75	18
		1	25	16.85	15.92	16.96	18
		1	49	17.1	17.01	17.04	18
		25	0	16.87	16.82	16.98	18
		25	13	16.83	16.89	16.83	18
		25	25	16.82	17.02	17.02	18
		50	0	16.91	16.98	17.07	18
	16QAM	1	0	16.77	17.09	17.02	18
		1	25	17.49	17.17	17.04	18
		1	49	17.4	17.17	17.39	18
		25	0	16.81	16.87	16.92	18
		25	13	16.81	16.95	16.92	18
		25	25	17.04	16.92	17.15	18
		50	0	16.76	16.89	16.98	18

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	64QAM	1	0	17.1	16.77	16.85	18
		1	25	16.87	16.63	16.62	18
		1	49	16.91	17.05	17.02	18
		25	0	16.72	16.83	17.08	18
		25	13	16.79	16.88	16.84	18
		25	25	16.59	16.68	16.95	18
		50	0	16.91	16.74	16.88	18

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LTE Band 12 Receiver on(Left head) + hotspot 5G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	15.49	15.39	15.64	16.5
		1	2	15.7	14.61	14.44	16.5
		1	5	15.43	15.25	15.58	16.5
		3	0	15.38	15.4	15.67	16.5
		3	2	15.55	15.02	15.58	16.5
		3	3	15.52	15.43	15.5	16.5
		6	0	15.52	15.28	15.58	16.5
	16QAM	1	0	16.12	16.14	15.69	16.5
		1	2	15.39	15.14	15.57	16.5
		1	5	15.84	15.57	15.98	16.5
		3	0	15.36	15.23	15.64	16.5
		3	2	15.17	15.42	15.94	16.5
		3	3	15.71	15.54	15.36	16.5
		6	0	15.49	15.18	15.49	16.5
	64QAM	1	0	15.6	15.18	15.27	16.5
		1	2	15.27	15.08	15.04	16.5
		1	5	15.33	15.49	15.46	16.5
		3	0	15.16	15.25	15.56	16.5
		3	2	15.25	15.33	15.33	16.5
		3	3	14.99	15.13	15.41	16.5
		6	0	15.38	15.17	15.34	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	15.43	15.42	15.4	16.5
		1	7	14.41	15.19	16.3	16.5
		1	14	15.49	15.51	15.46	16.5
		8	0	15.39	15.22	15.64	16.5
		8	4	15.4	15.51	15.62	16.5
		8	7	15.27	15.42	15.62	16.5
		15	0	15.43	15.48	15.5	16.5
	16QAM	1	0	15.69	15.72	15.48	16.5
		1	7	15.24	14.61	15.83	16.5
		1	14	15.32	15.8	16.09	16.5
		8	0	15.56	15.23	14.95	16.5
		8	4	15.45	15.45	15.71	16.5
		8	7	15.4	15.31	15.49	16.5
		15	0	15.42	15.3	15.47	16.5
	64QAM	1	0	15.56	15.21	15.32	16.5
		1	7	15.34	15.06	15.07	16.5
		1	14	15.39	15.52	15.49	16.5
		8	0	15.2	15.25	15.51	16.5
		8	4	15.25	15.3	15.32	16.5

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		8	7	15.08	15.14	15.37	16.5
		15	0	15.31	15.23	15.3	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	15.51	15.29	15.42	16.5
		1	13	15.35	15.48	15.47	16.5
		1	24	15.45	15.53	15.5	16.5
		12	0	15.45	15.43	15.57	16.5
		12	6	15.39	15.35	15.46	16.5
		12	13	15.46	15.48	15.64	16.5
		25	0	15.32	15.37	15.59	16.5
	16QAM	1	0	15.79	15.35	15.5	16.5
		1	13	15.63	15.78	15.88	16.5
		1	24	15.8	15.71	15.74	16.5
		12	0	15.54	15.39	15.4	16.5
		12	6	15.52	15.57	15.59	16.5
		12	13	15.5	15.39	15.56	16.5
		25	0	15.19	15.39	15.53	16.5
	64QAM	1	0	15.58	15.26	15.34	16.5
		1	13	15.29	15.1	15.06	16.5
		1	24	15.4	15.53	15.42	16.5
		12	0	15.13	15.33	15.5	16.5
		12	6	15.2	15.32	15.3	16.5
		12	13	15.02	15.14	15.37	16.5
		25	0	15.39	15.14	15.34	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	15.47	15.39	15.54	16.5
		1	25	14.78	14.43	14.94	16.5
		1	49	15.35	15.5	15.53	16.5
		25	0	15.4	15.37	15.41	16.5
		25	13	15.43	15.46	15.44	16.5
		25	25	15.39	15.47	15.61	16.5
		50	0	15.42	15.44	15.57	16.5
	16QAM	1	0	15.51	15.64	15.38	16.5
		1	25	16.1	16.06	15.87	16.5
		1	49	15.82	15.91	16.07	16.5
		25	0	15.29	15.39	15.45	16.5
		25	13	15.15	15.29	15.53	16.5
		25	25	15.31	15.41	15.59	16.5
		50	0	15.34	15.39	15.38	16.5

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	64QAM	1	0	15.5	15.22	15.32	16.5
		1	25	15.29	15.05	15.08	16.5
		1	49	15.39	15.51	15.51	16.5
		25	0	15.2	15.3	15.51	16.5
		25	13	15.27	15.33	15.3	16.5
		25	25	15.02	15.12	15.36	16.5
		50	0	15.34	15.16	15.32	16.5

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LTE Band 12 Receiver on(Right head) + hotspot 5G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	15	14.91	15.15	16
		1	2	15.18	14.64	15.36	16
		1	5	14.96	15.03	15.16	16
		3	0	14.93	14.89	14.92	16
		3	2	14.92	14.84	14.63	16
		3	3	14.74	14.94	14.97	16
		6	0	14.98	15.06	14.71	16
	16QAM	1	0	14.88	15.37	15.63	16
		1	2	15.16	14.89	15.37	16
		1	5	15.13	14.94	15.51	16
		3	0	14.89	14.96	15.13	16
		3	2	14.73	14.73	14.94	16
		3	3	14.82	14.93	15.1	16
		6	0	15.21	15.06	14.96	16
	64QAM	1	0	15.09	14.61	14.74	16
		1	2	14.72	14.52	14.46	16
		1	5	14.79	14.97	14.94	16
		3	0	14.65	14.75	15.05	16
		3	2	14.66	14.8	14.77	16
		3	3	14.49	14.58	14.87	16
		6	0	14.84	14.61	14.82	16
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	14.86	14.84	15.11	16
		1	7	14.54	14.06	15.2	16
		1	14	14.94	14.94	15.03	16
		8	0	14.87	14.84	15.09	16
		8	4	14.87	14.98	15.19	16
		8	7	14.88	14.9	14.92	16
		15	0	14.87	14.96	15.18	16
	16QAM	1	0	15.13	15.58	15.39	16
		1	7	15.13	14.2	15.05	16
		1	14	15.23	15.08	15.32	16
		8	0	14.59	14.41	15.03	16
		8	4	14.87	14.92	14.99	16
		8	7	15.28	14.98	14.88	16
		15	0	14.6	14.98	15.14	16
	64QAM	1	0	15.02	14.64	14.7	16
		1	7	14.73	14.58	14.45	16
		1	14	14.74	14.91	14.88	16
		8	0	14.65	14.68	14.98	16
		8	4	14.72	14.8	14.82	16

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		8	7	14.48	14.61	14.9	16
		15	0	14.8	14.66	14.75	16
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	15	14.88	14.95	16
		1	13	14.88	15.12	15.11	16
		1	24	14.95	14.91	15.18	16
		12	0	14.99	14.97	15.04	16
		12	6	14.88	14.9	14.87	16
		12	13	14.99	14.98	15.22	16
		25	0	14.85	14.85	15.09	16
	16QAM	1	0	15.45	15.11	15.4	16
		1	13	14.9	15.5	15.17	16
		1	24	15.07	15.25	14.91	16
		12	0	14.86	14.95	15.07	16
		12	6	14.82	14.88	15.06	16
		12	13	14.86	14.98	15.05	16
		25	0	14.96	14.82	15.08	16
	64QAM	1	0	15.03	14.61	14.67	16
		1	13	14.74	14.5	14.5	16
		1	24	14.8	14.92	14.91	16
		12	0	14.66	14.66	15.06	16
		12	6	14.68	14.78	14.82	16
		12	13	14.44	14.56	14.86	16
		25	0	14.84	14.57	14.79	16
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	14.98	14.82	14.83	16
		1	25	14.23	15.39	14.34	16
		1	49	14.98	15.01	15.08	16
		25	0	14.94	14.88	14.98	16
		25	13	14.85	14.87	15.03	16
		25	25	15.04	15.04	15.09	16
		50	0	14.83	15	15.08	16
	16QAM	1	0	15.32	14.69	15.14	16
		1	25	15.59	15.26	15.64	16
		1	49	14.91	15.55	15.37	16
		25	0	14.76	14.98	14.72	16
		25	13	14.93	14.79	14.93	16
		25	25	14.78	14.86	15.04	16
		50	0	14.78	14.92	14.9	16

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	64QAM	1	0	15.01	14.63	14.68	16
		1	25	14.75	14.56	14.48	16
		1	49	14.79	14.92	14.86	16
		25	0	14.64	14.73	14.97	16
		25	13	14.71	14.75	14.75	16
		25	25	14.4	14.6	14.88	16
		50	0	14.82	14.6	14.77	16

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LTE Band 12 Receiver on(Left head) + BT				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	18.56	18.41	18.63	19.5
		1	2	18.67	18.67	17.93	19.5
		1	5	18.39	18.42	18.47	19.5
		3	0	18.5	18.39	18.56	19.5
		3	2	18.58	18.46	18.77	19.5
		3	3	18.52	18.38	18.2	19.5
		6	0	18.3	18.61	18.84	19.5
	16QAM	1	0	18.46	18.77	19.08	19.5
		1	2	18.73	18.6	18.43	19.5
		1	5	18.52	19.14	19.42	19.5
		3	0	18.68	18.15	18.49	19.5
		3	2	18.43	18.35	18.49	19.5
		3	3	18.19	18.17	18.28	19.5
		6	0	18.2	18.29	18.35	19.5
	64QAM	1	0	18.53	18.03	18.18	19.5
		1	2	18.21	17.93	17.88	19.5
		1	5	18.2	18.42	18.41	19.5
		3	0	18.12	18.16	18.48	19.5
		3	2	18.12	18.28	18.25	19.5
		3	3	17.91	18.06	18.35	19.5
		6	0	18.28	18.1	18.26	19.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	18.6	18.26	18.51	19.5
		1	7	18.75	18.46	17.51	19.5
		1	14	18.26	18.46	18.44	19.5
		8	0	18.53	18.4	18.46	19.5
		8	4	18.6	18.69	18.56	19.5
		8	7	18.12	18.5	18.55	19.5
		15	0	18.44	18.44	18.57	19.5
	16QAM	1	0	19.17	18.78	18.44	19.5
		1	7	17.86	17.7	17.92	19.5
		1	14	18.9	18.75	18.65	19.5
		8	0	18.21	18.27	18.61	19.5
		8	4	18.26	18.54	18.04	19.5
		8	7	18.16	18.47	18.57	19.5
		15	0	18.32	18.4	18.54	19.5
	64QAM	1	0	18.57	18.03	18.21	19.5
		1	7	18.14	17.96	17.89	19.5
		1	14	18.27	18.45	18.43	19.5
		8	0	18.07	18.21	18.54	19.5
		8	4	18.16	18.28	18.18	19.5

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		8	7	17.95	17.98	18.35	19.5
		15	0	18.32	18.08	18.29	19.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	18.52	18.39	18.44	19.5
		1	13	18.46	18.47	18.5	19.5
		1	24	18.34	18.42	18.55	19.5
		12	0	18.49	18.52	18.48	19.5
		12	6	18.31	18.49	18.64	19.5
		12	13	18.47	18.46	18.75	19.5
		25	0	18.37	18.32	18.48	19.5
	16QAM	1	0	18.72	18.41	18.32	19.5
		1	13	18.29	19.02	19	19.5
		1	24	18.93	18.7	19.04	19.5
		12	0	18.42	18.55	18.49	19.5
		12	6	18.48	18.33	18.47	19.5
		12	13	18.42	18.59	18.6	19.5
		25	0	18.47	18.42	18.36	19.5
	64QAM	1	0	18.51	18.11	18.15	19.5
		1	13	18.12	17.94	17.88	19.5
		1	24	18.27	18.39	18.41	19.5
		12	0	18.12	18.17	18.45	19.5
		12	6	18.07	18.27	18.25	19.5
		12	13	17.96	18.07	18.28	19.5
		25	0	18.29	18.03	18.3	19.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	18.44	18.45	18.32	19.5
		1	25	18.34	18.35	17.94	19.5
		1	49	18.45	18.46	18.52	19.5
		25	0	18.42	18.43	18.42	19.5
		25	13	18.34	18.45	18.45	19.5
		25	25	18.39	18.45	18.59	19.5
		50	0	18.26	18.44	18.59	19.5
	16QAM	1	0	18.88	18.21	18.73	19.5
		1	25	18.43	18.05	19	19.5
		1	49	18.76	18.85	18.78	19.5
		25	0	18.36	18.22	18.38	19.5
		25	13	18.4	18.42	18.43	19.5
		25	25	18.23	18.37	18.41	19.5
		50	0	18.35	18.49	18.4	19.5

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	64QAM	1	0	18.52	18.01	18.18	19.5
		1	25	18.17	17.96	17.94	19.5
		1	49	18.24	18.46	18.44	19.5
		25	0	18.12	18.16	18.47	19.5
		25	13	18.09	18.25	18.19	19.5
		25	25	17.97	18.06	18.31	19.5
		50	0	18.3	18.07	18.29	19.5

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LTE Band 12 Receiver on(Right head) + BT				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	17.92	17.89	18.01	19
		1	2	17.76	18.11	17.22	19
		1	5	18.07	18.07	18.09	19
		3	0	17.81	17.79	18.04	19
		3	2	17.86	17.81	17.43	19
		3	3	18.05	17.19	17.83	19
		6	0	18.15	17.89	17.96	19
	16QAM	1	0	18.4	18.32	18.37	19
		1	2	17.78	18.93	18.15	19
		1	5	18.33	18.04	17.99	19
		3	0	17.82	17.96	17.9	19
		3	2	18	17.54	18.1	19
		3	3	17.57	17.58	18.23	19
		6	0	17.55	17.83	17.89	19
	64QAM	1	0	17.93	17.43	17.66	19
		1	2	17.63	17.36	17.42	19
		1	5	17.67	17.87	17.88	19
		3	0	17.6	17.66	17.91	19
		3	2	17.52	17.68	17.64	19
		3	3	17.39	17.53	17.77	19
		6	0	17.78	17.48	17.76	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	17.9	17.92	18.06	19
		1	7	17.92	17.21	17.7	19
		1	14	17.99	17.91	18.07	19
		8	0	18.1	17.74	18.09	19
		8	4	17.91	17.69	17.96	19
		8	7	17.9	17.82	18.13	19
		15	0	17.81	18.01	18.05	19
	16QAM	1	0	17.87	18.42	18.02	19
		1	7	17.56	17.61	17.54	19
		1	14	18.45	18.53	18.58	19
		8	0	18.04	18.01	18.15	19
		8	4	17.83	17.78	18.19	19
		8	7	17.84	17.88	17.65	19
		15	0	17.9	17.71	17.95	19
	64QAM	1	0	17.95	17.42	17.59	19
		1	7	17.65	17.45	17.4	19
		1	14	17.72	17.86	17.92	19
		8	0	17.6	17.65	17.91	19
		8	4	17.51	17.7	17.68	19

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		8	7	17.44	17.53	17.72	19
		15	0	17.77	17.54	17.75	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	17.85	17.99	17.82	19
		1	13	17.92	17.92	18.1	19
		1	24	17.87	17.94	18.05	19
		12	0	17.98	18.02	18.01	19
		12	6	17.87	18.04	18	19
		12	13	18.02	18.04	18.1	19
		25	0	17.99	17.95	18.05	19
	16QAM	1	0	18.59	18.29	18.26	19
		1	13	17.79	17.84	18.2	19
		1	24	18.28	18.32	18.5	19
		12	0	17.95	17.85	17.98	19
		12	6	18	18.08	17.9	19
		12	13	17.91	18	18.16	19
		25	0	17.88	17.8	18.08	19
	64QAM	1	0	17.94	17.48	17.59	19
		1	13	17.66	17.46	17.41	19
		1	24	17.73	17.87	17.86	19
		12	0	17.61	17.63	17.93	19
		12	6	17.58	17.66	17.68	19
		12	13	17.39	17.52	17.78	19
		25	0	17.76	17.49	17.79	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	18.17	17.83	17.69	19
		1	25	17	17.58	17.72	19
		1	49	17.96	18.08	18.07	19
		25	0	17.91	17.88	17.9	19
		25	13	17.86	17.95	17.97	19
		25	25	18.04	17.93	18.07	19
		50	0	17.86	18.01	17.98	19
	16QAM	1	0	18.26	18.21	18.09	19
		1	25	18.03	16.9	18.43	19
		1	49	18.3	18.33	18.67	19
		25	0	17.86	17.92	18.02	19
		25	13	17.94	17.85	17.96	19
		25	25	17.95	17.92	18.06	19
		50	0	17.77	18	17.92	19

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	64QAM	1	0	17.95	17.46	17.64	19
		1	25	17.66	17.44	17.41	19
		1	49	17.67	17.9	17.89	19
		25	0	17.59	17.64	17.95	19
		25	13	17.59	17.65	17.59	19
		25	25	17.44	17.5	17.71	19
		50	0	17.8	17.52	17.7	19

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LTE Band 12 Receiver off + BT				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	20.91	20.98	21.2	22
		1	2	20.88	20.54	20.66	22
		1	5	21.05	21.01	21	22
		3	0	21.09	20.99	21.08	22
		3	2	20.66	20.95	20.57	22
		3	3	20.82	20.96	20.77	22
		6	0	20.89	20.45	20.97	22
	16QAM	1	0	21.27	20.91	21.62	22
		1	2	20.94	21.25	21.01	22
		1	5	21.09	21.08	21.34	22
		3	0	21.17	21.01	21.3	22
		3	2	21.06	21.46	21.12	22
		3	3	20.89	20.6	20.95	22
		6	0	20.86	21.2	20.83	22
	64QAM	1	0	20.88	20.4	20.64	22
		1	2	20.54	20.32	20.34	22
		1	5	20.65	20.83	20.84	22
		3	0	20.54	20.65	20.82	22
		3	2	20.51	20.59	20.57	22
		3	3	20.37	20.51	20.7	22
		6	0	19.75	19.41	19.71	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	21.04	21.03	20.94	22
		1	7	20.76	20.3	20.7	22
		1	14	20.91	21	21.05	22
		8	0	21.07	20.79	21.01	22
		8	4	20.82	20.97	21.02	22
		8	7	21.04	21.03	20.65	22
		15	0	20.98	21.13	20.89	22
	16QAM	1	0	20.91	21.51	21.05	22
		1	7	21.75	20.65	20.96	22
		1	14	21.2	21.58	21.58	22
		8	0	20.66	20.97	21.06	22
		8	4	21.03	21.04	21.1	22
		8	7	20.79	20.98	20.85	22
		15	0	20.96	20.92	20.93	22
	64QAM	1	0	20.86	20.42	20.64	22
		1	7	20.6	20.33	20.37	22
		1	14	20.6	20.82	20.81	22
		8	0	19.58	19.56	19.9	21
		8	4	19.52	19.59	19.53	21

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		8	7	19.42	19.45	19.62	21
		15	0	19.71	19.43	19.63	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	21.03	20.93	21.05	22
		1	13	20.9	21	21.03	22
		1	24	20.9	20.95	21.02	22
		12	0	21.12	20.94	21	22
		12	6	20.9	21.04	20.95	22
		12	13	21.03	21	21.18	22
		25	0	20.9	20.91	20.96	22
	16QAM	1	0	21.51	20.98	21.55	22
		1	13	21.12	21.35	21.35	22
		1	24	21.49	21.27	21.48	22
		12	0	21	21.06	20.95	22
		12	6	20.89	20.88	21.02	22
		12	13	21.01	20.87	21.02	22
		25	0	20.84	20.86	20.94	22
	64QAM	1	0	20.84	20.37	20.65	22
		1	13	20.61	20.3	20.34	22
		1	24	20.65	20.81	20.79	22
		12	0	19.51	19.56	19.94	21
		12	6	19.51	19.57	19.57	21
		12	13	19.41	19.42	19.62	21
		25	0	19.79	19.46	19.69	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	20.93	20.94	20.91	22
		1	25	20.57	21.11	20.8	22
		1	49	21.04	21.17	21.1	22
		25	0	21.09	20.93	20.98	22
		25	13	20.94	20.91	20.9	22
		25	25	20.99	20.98	21.07	22
		50	0	20.95	21.05	21.11	22
	16QAM	1	0	21.31	20.92	21.18	22
		1	25	21.34	21.07	21.6	22
		1	49	21.24	21.59	20.72	22
		25	0	21.01	20.96	21.05	22
		25	13	21.08	20.85	20.91	22
		25	25	20.72	20.88	21.1	22
		50	0	20.99	20.88	20.99	22

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	64QAM	1	0	20.85	20.42	20.64	22
		1	25	20.58	20.33	20.4	22
		1	49	20.6	20.77	20.85	22
		25	0	19.51	19.54	19.92	21
		25	13	19.57	19.61	19.53	21
		25	25	19.44	19.5	19.65	21
		50	0	19.7	19.45	19.68	21

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LTE Band 12 Receiver on(Left head) + WiFi2.4G Ant1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	17.42	17.46	17.59	18.5
		1	2	17.26	17.66	17.03	18.5
		1	5	17.55	17.55	17.53	18.5
		3	0	17.4	17.52	17.2	18.5
		3	2	17.28	17.1	16.97	18.5
		3	3	17.46	17.46	17.52	18.5
		6	0	17.74	17.34	17.29	18.5
	16QAM	1	0	17.88	17.99	18.11	18.5
		1	2	17.7	17.05	17.77	18.5
		1	5	17.74	17.95	17.54	18.5
		3	0	17.42	16.92	17.54	18.5
		3	2	17.57	16.81	17.89	18.5
		3	3	17.33	17.43	17.18	18.5
		6	0	17.65	17.33	17.31	18.5
	64QAM	1	0	17.37	16.91	17.07	18.5
		1	2	17.07	16.88	16.81	18.5
		1	5	17.15	17.3	17.33	18.5
		3	0	17.04	17.09	17.43	18.5
		3	2	17.04	17.13	17.05	18.5
		3	3	16.9	16.93	17.18	18.5
		6	0	17.23	16.97	17.12	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	17.55	17.45	17.62	18.5
		1	7	16.03	17.15	17.83	18.5
		1	14	17.45	17.59	17.55	18.5
		8	0	17.46	17.41	17.55	18.5
		8	4	17.43	17.23	17.74	18.5
		8	7	17.23	17.43	17.51	18.5
		15	0	17.45	17.4	17.45	18.5
	16QAM	1	0	17.67	17.81	18.09	18.5
		1	7	17.46	16.38	17.3	18.5
		1	14	17.64	17.5	17.41	18.5
		8	0	17.33	17.67	17.42	18.5
		8	4	17.15	17.39	17.46	18.5
		8	7	17.32	17.31	17.57	18.5
		15	0	17.19	17.29	17.56	18.5
	64QAM	1	0	17.43	16.91	17.13	18.5
		1	7	17.11	16.84	16.84	18.5
		1	14	17.16	17.33	17.33	18.5
		8	0	16.99	17.13	17.36	18.5
		8	4	17.04	17.13	17	18.5

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		8	7	16.89	16.92	17.16	18.5
		15	0	17.23	17	17.14	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	17.45	17.28	17.4	18.5
		1	13	17.56	17.45	17.55	18.5
		1	24	17.45	17.48	17.46	18.5
		12	0	17.4	17.39	17.52	18.5
		12	6	17.49	17.46	17.4	18.5
		12	13	17.47	17.52	17.68	18.5
		25	0	17.42	17.4	17.51	18.5
	16QAM	1	0	17.78	17.26	17.73	18.5
		1	13	17.3	17.44	17.4	18.5
		1	24	18.11	17.78	18.13	18.5
		12	0	17.49	17.46	17.51	18.5
		12	6	17.43	17.44	17.43	18.5
		12	13	17.36	17.43	17.72	18.5
		25	0	17.35	17.32	17.44	18.5
	64QAM	1	0	17.36	16.92	17.1	18.5
		1	13	17.16	16.86	16.81	18.5
		1	24	17.08	17.38	17.34	18.5
		12	0	17.02	17.09	17.39	18.5
		12	6	16.99	17.13	17.04	18.5
		12	13	16.84	17	17.19	18.5
		25	0	17.3	16.95	17.2	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	17.45	17.38	17.33	18.5
		1	25	17.02	16.82	17.62	18.5
		1	49	17.54	17.69	17.65	18.5
		25	0	17.46	17.45	17.51	18.5
		25	13	17.44	17.39	17.35	18.5
		25	25	17.34	17.56	17.48	18.5
		50	0	17.4	17.37	17.61	18.5
	16QAM	1	0	17.93	17.61	17.55	18.5
		1	25	17.73	17.71	17.74	18.5
		1	49	17.82	17.89	18.14	18.5
		25	0	17.43	17.27	17.36	18.5
		25	13	17.37	17.31	17.45	18.5
		25	25	17.24	17.38	17.46	18.5
		50	0	17.28	17.3	17.43	18.5

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	64QAM	1	0	17.44	16.92	17.1	18.5
		1	25	17.09	16.84	16.84	18.5
		1	49	17.1	17.39	17.31	18.5
		25	0	17.01	17.06	17.41	18.5
		25	13	17.03	17.14	17.09	18.5
		25	25	16.86	16.94	17.14	18.5
		50	0	17.23	16.99	17.12	18.5

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LTE Band 12 Receiver on(Right head) + WiFi2.4G Ant1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 23017	Channel 23095	Channel 23173	Tune up
1.4MHz	QPSK	1	0	17.13	16.92	17.07	18
		1	2	16.52	17.36	16.6	18
		1	5	16.97	17.03	17.09	18
		3	0	16.93	16.84	17.07	18
		3	2	16.85	17.05	16.93	18
		3	3	16.74	16.85	16.79	18
		6	0	16.61	16.94	17.11	18
	16QAM	1	0	17.32	17.15	17.46	18
		1	2	16.52	17.2	17.29	18
		1	5	17.34	17.41	17.63	18
		3	0	16.9	16.81	17.16	18
		3	2	16.8	16.51	17.11	18
		3	3	17.08	17.04	17.14	18
		6	0	17.18	16.74	16.24	18
	64QAM	1	0	16.79	16.39	16.49	18
		1	2	16.5	16.38	16.24	18
		1	5	16.6	16.79	16.77	18
		3	0	16.51	16.53	16.85	18
		3	2	16.5	16.6	16.45	18
		3	3	16.31	16.4	16.59	18
		6	0	16.66	16.45	16.52	18
Bandwidth	Modulation	RB size	RB offset	Channel 23025	Channel 23095	Channel 23165	Tune up
3MHz	QPSK	1	0	17.08	16.94	17.09	18
		1	7	15.76	17.96	16.75	18
		1	14	16.95	16.95	17.09	18
		8	0	16.75	16.89	17.06	18
		8	4	17.16	16.97	17.13	18
		8	7	16.79	16.72	17.01	18
		15	0	16.84	16.9	16.96	18
	16QAM	1	0	17.45	17.25	16.96	18
		1	7	17.35	17.32	17.01	18
		1	14	16.92	17.52	17.51	18
		8	0	16.9	16.88	17.2	18
		8	4	16.89	17.04	17.05	18
		8	7	16.83	16.84	16.96	18
		15	0	16.93	16.84	17.16	18
	64QAM	1	0	16.78	16.37	16.56	18
		1	7	16.47	16.35	16.24	18
		1	14	16.6	16.78	16.75	18
		8	0	16.53	16.49	16.9	18
		8	4	16.49	16.63	16.5	18

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		8	7	16.34	16.38	16.65	18
		15	0	16.65	16.44	16.56	18
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	17.02	16.88	17.09	18
		1	13	16.89	16.92	17.13	18
		1	24	17.03	17.01	16.96	18
		12	0	17.04	16.94	17.04	18
		12	6	16.65	16.78	17.05	18
		12	13	16.99	16.95	17.22	18
		25	0	16.99	16.96	17.12	18
	16QAM	1	0	17.23	16.77	17.28	18
		1	13	17.01	17.37	17.5	18
		1	24	17.36	17.4	17.22	18
		12	0	16.94	17.09	16.92	18
		12	6	16.91	17	16.99	18
		12	13	16.92	16.92	17.04	18
		25	0	16.89	16.83	16.97	18
	64QAM	1	0	16.78	16.4	16.48	18
		1	13	16.54	16.35	16.22	18
		1	24	16.57	16.73	16.81	18
		12	0	16.49	16.52	16.89	18
		12	6	16.47	16.59	16.49	18
		12	13	16.38	16.38	16.58	18
		25	0	16.71	16.39	16.57	18
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	16.93	16.91	16.82	18
		1	25	17.1	17.11	17.04	18
		1	49	17.09	16.95	16.99	18
		25	0	16.93	16.86	16.91	18
		25	13	16.96	17.02	16.95	18
		25	25	16.96	17	17.05	18
		50	0	16.99	16.98	17.03	18
	16QAM	1	0	17.13	16.91	17	18
		1	25	16.88	16.94	16.98	18
		1	49	17.48	17.5	17.39	18
		25	0	16.87	16.82	16.8	18
		25	13	16.98	16.86	16.74	18
		25	25	16.88	16.98	16.95	18
		50	0	16.9	16.88	16.9	18

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	64QAM	1	0	16.86	16.39	16.5	18
		1	25	16.51	16.3	16.3	18
		1	49	16.56	16.72	16.82	18
		25	0	16.45	16.56	16.86	18
		25	13	16.48	16.6	16.49	18
		25	25	16.36	16.37	16.58	18
		50	0	16.64	16.68	16.53	18

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LTE Band 12 Receiver off + WiFi2.4G Ant1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	19.98	19.98	20.12	21
		1	2	19.26	19.03	18.94	21
		1	5	19.91	19.99	20.03	21
		3	0	19.88	19.89	20.08	21
		3	2	20.13	20.17	19.25	21
		3	3	20.14	20	19.81	21
		6	0	20.11	19.94	20.03	21
	16QAM	1	0	20.2	20.02	20.51	21
		1	2	19.72	18.68	20.29	21
		1	5	20.39	20.43	20.49	21
		3	0	20.32	19.96	20.11	21
		3	2	19.87	20.06	19.38	21
		3	3	19.67	19.6	20.14	21
		6	0	20.04	19.83	19.69	21
	64QAM	1	0	19.92	19.79	20.19	21
		1	2	19.54	18.44	20.26	21
		1	5	20.24	20.19	20.39	21
		3	0	20.1	19.86	20.1	21
		3	2	19.68	20	19.16	21
		3	3	19.46	19.46	20.07	21
		6	0	19.87	19.64	19.44	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	20.01	19.88	19.99	21
		1	7	19.02	20.04	20.31	21
		1	14	20	20.03	20.11	21
		8	0	19.38	19.9	20.05	21
		8	4	20.14	20.12	20.19	21
		8	7	19.62	19.91	19.83	21
		15	0	19.9	19.85	20.11	21
	16QAM	1	0	20.42	20.29	20.1	21
		1	7	19.63	20.77	20.06	21
		1	14	20.35	20.33	20.23	21
		8	0	19.89	19.99	19.85	21
		8	4	19.94	19.89	20.24	21
		8	7	19.71	20	19.97	21
		15	0	19.95	19.94	19.91	21
	64QAM	1	0	20.3	20.24	19.94	21
		1	7	19.54	20.62	19.99	21
		1	14	20.13	20.05	20.05	21
		8	0	19.67	19.81	19.61	21
		8	4	19.92	19.68	20.09	21

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		8	7	19.51	19.77	19.85	21
		15	0	19.94	19.81	19.74	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	19.94	19.84	19.97	21
		1	13	19.93	20.07	20.05	21
		1	24	19.99	19.92	20.04	21
		12	0	19.98	19.94	20.04	21
		12	6	19.94	19.91	19.86	21
		12	13	19.97	20	20.09	21
		25	0	19.81	19.97	20.03	21
	16QAM	1	0	20.39	20.37	20.34	21
		1	13	20.21	20.43	20.32	21
		1	24	20.33	20.28	20.3	21
		12	0	19.99	20.01	19.96	21
		12	6	19.8	19.86	19.84	21
		12	13	20	19.93	20.24	21
		25	0	19.86	19.76	20.01	21
	64QAM	1	0	20.14	19.94	20.18	21
		1	13	19.51	18.58	20.15	21
		1	24	20.12	20.31	20.37	21
		12	0	20.27	19.79	20.03	21
		12	6	19.78	19.91	19.15	21
		12	13	19.48	19.44	19.93	21
		25	0	19.88	19.77	19.67	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	20.17	19.88	19.89	21
		1	25	20.01	19.53	19.75	21
		1	49	19.91	19.89	19.95	21
		25	0	19.9	19.94	19.93	21
		25	13	19.97	19.97	19.99	21
		25	25	19.89	20.01	20.02	21
		50	0	19.94	20.06	20.01	21
	16QAM	1	0	20.34	20.75	20.18	21
		1	25	19.51	20.09	20.14	21
		1	49	20.34	20.36	20.72	21
		25	0	19.92	19.88	19.92	21
		25	13	19.94	19.81	19.85	21
		25	25	19.76	19.99	20.12	21
		50	0	19.93	19.82	20.06	21

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	64QAM	1	0	19.93	19.82	20.26	21
		1	25	19.54	18.61	20.17	21
		1	49	20.21	20.31	20.25	21
		25	0	20.18	19.7	19.96	21
		25	13	19.73	19.9	19.19	21
		25	25	19.6	19.56	20.08	21
		50	0	19.95	19.82	19.52	21

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LTE Band 12 Receiver on(Left head) + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	15.56	15.41	15.69	16.5
		1	2	14.38	14.96	15.34	16.5
		1	5	15.52	15.45	15.59	16.5
		3	0	15.4	15.22	15.61	16.5
		3	2	15.48	14.95	15.57	16.5
		3	3	15.3	15.1	15.5	16.5
		6	0	15.41	15.1	15.37	16.5
	16QAM	1	0	15.93	15.84	15.83	16.5
		1	2	15.15	15.67	15.49	16.5
		1	5	15.59	15.59	16.05	16.5
		3	0	15.63	15.37	15.63	16.5
		3	2	15.61	15.3	15.3	16.5
		3	3	15.41	15.13	15.69	16.5
		6	0	15.54	15.48	15.33	16.5
	64QAM	1	0	15.41	15.24	15.57	16.5
		1	2	14.9	14.05	15.62	16.5
		1	5	15.54	15.78	15.73	16.5
		3	0	15.54	15.2	15.43	16.5
		3	2	15.12	15.37	14.62	16.5
		3	3	15	14.88	15.53	16.5
		6	0	15.32	15.16	14.94	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	15.44	15.51	15.53	16.5
		1	7	14.93	15.37	15.06	16.5
		1	14	15.36	15.49	15.48	16.5
		8	0	15.45	15.47	15.63	16.5
		8	4	15.63	15.26	15.64	16.5
		8	7	15.35	15.54	15.56	16.5
		15	0	15.27	15.46	15.67	16.5
	16QAM	1	0	15.87	15.46	15.74	16.5
		1	7	15.24	16.06	15.89	16.5
		1	14	15.85	15.94	16.2	16.5
		8	0	15.34	15.28	15.4	16.5
		8	4	15.2	15.55	15.68	16.5
		8	7	15.49	15.56	15.4	16.5
		15	0	15.37	15.3	15.54	16.5
	64QAM	1	0	15.34	15.31	15.61	16.5
		1	7	15.02	13.95	15.51	16.5
		1	14	15.55	15.71	15.71	16.5
		8	0	15.48	15	15.27	16.5
		8	4	15.08	15.35	14.65	16.5

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		8	7	14.93	14.96	15.48	16.5
		15	0	15.33	15.28	14.98	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	15.44	15.32	15.61	16.5
		1	13	15.47	15.44	15.47	16.5
		1	24	15.4	15.48	15.61	16.5
		12	0	15.48	15.44	15.43	16.5
		12	6	15.41	15.54	15.49	16.5
		12	13	15.41	15.51	15.69	16.5
		25	0	15.23	15.43	15.55	16.5
	16QAM	1	0	15.89	15.32	15.65	16.5
		1	13	15.98	15.92	16.11	16.5
		1	24	15.05	15.55	15.76	16.5
		12	0	15.49	15.38	15.56	16.5
		12	6	15.29	15.54	15.49	16.5
		12	13	15.39	15.5	15.72	16.5
		25	0	15.37	15.19	15.55	16.5
	64QAM	1	0	15.32	15.23	15.59	16.5
		1	13	14.85	14.04	15.49	16.5
		1	24	15.69	15.65	15.7	16.5
		12	0	15.61	15.18	15.3	16.5
		12	6	15.13	15.39	14.54	16.5
		12	13	14.98	14.95	15.56	16.5
		25	0	15.44	15.3	14.96	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	15.4	15.55	15.6	16.5
		1	25	15.15	15.59	15.11	16.5
		1	49	15.22	15.23	15.2	16.5
		25	0	15.38	15.37	15.39	16.5
		25	13	15.38	15.31	15.59	16.5
		25	25	15.44	15.43	15.61	16.5
		50	0	15.32	15.46	15.42	16.5
	16QAM	1	0	15.51	15.62	15.79	16.5
		1	25	15.23	15.04	15.74	16.5
		1	49	15.72	16.06	15.48	16.5
		25	0	15.24	15.35	15.35	16.5
		25	13	15.31	15.21	15.37	16.5
		25	25	15.29	15.52	15.58	16.5
		50	0	15.35	15.38	15.35	16.5

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	64QAM	1	0	15.4	15.24	15.74	16.5
		1	25	14.99	13.92	15.59	16.5
		1	49	15.58	15.74	15.7	16.5
		25	0	15.66	15.04	15.36	16.5
		25	13	15.18	15.29	14.64	16.5
		25	25	14.98	15.03	15.46	16.5
		50	0	15.42	15.32	14.97	16.5

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LTE Band 12 Receiver on(Right head) + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	15.09	14.99	15.22	16
		1	2	14.64	15	14.64	16
		1	5	15.07	14.88	15.09	16
		3	0	14.83	14.91	15.13	16
		3	2	14.32	14.37	15.17	16
		3	3	14.96	14.87	15.07	16
		6	0	14.97	14.9	14.77	16
	16QAM	1	0	15.49	15.42	15.56	16
		1	2	14.07	15.48	15.64	16
		1	5	15.3	15.53	15.71	16
		3	0	14.88	15.25	15.02	16
		3	2	14.62	14.95	14.48	16
		3	3	14.88	14.92	15.14	16
		6	0	15.14	14.85	14.96	16
	64QAM	1	0	14.87	14.66	15.05	16
		1	2	14.34	13.48	15.09	16
		1	5	15	15.21	15.14	16
		3	0	14.98	14.67	14.93	16
		3	2	14.57	14.84	14.09	16
		3	3	14.48	14.29	15	16
		6	0	14.77	14.58	14.37	16
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	14.94	14.83	15.08	16
		1	7	14.68	14.24	14.93	16
		1	14	14.91	15.01	15.13	16
		8	0	15.07	14.76	15.22	16
		8	4	15.11	14.98	15.33	16
		8	7	14.98	14.94	15.03	16
		15	0	14.85	14.9	15.1	16
	16QAM	1	0	15.33	15.48	14.94	16
		1	7	13.78	14.97	14.09	16
		1	14	14.68	15.35	15.5	16
		8	0	14.78	14.78	15.18	16
		8	4	14.96	14.45	15.15	16
		8	7	14.76	15.05	14.88	16
		15	0	14.77	15.02	15	16
	64QAM	1	0	14.9	14.66	14.99	16
		1	7	14.38	13.45	15.08	16
		1	14	14.99	15.26	15.17	16
		8	0	15	14.68	14.84	16
		8	4	14.61	14.77	14.11	16

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		8	7	14.46	14.34	15	16
		15	0	14.75	14.56	14.43	16
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	14.99	14.89	14.95	16
		1	13	14.79	14.88	15.06	16
		1	24	14.96	15.05	15.16	16
		12	0	14.9	15.03	15.12	16
		12	6	14.89	14.98	15.08	16
		12	13	14.85	14.99	15.15	16
		25	0	14.9	14.89	14.97	16
	16QAM	1	0	15.55	15.31	15.05	16
		1	13	15.16	15.29	15	16
		1	24	15.43	15.28	15.13	16
		12	0	15.02	14.94	14.98	16
		12	6	14.72	14.8	14.94	16
		12	13	15	14.84	15.28	16
		25	0	14.79	14.83	15.08	16
	64QAM	1	0	14.85	14.69	15.04	16
		1	13	14.31	13.46	15.12	16
		1	24	14.98	15.21	15.18	16
		12	0	14.95	14.67	14.85	16
		12	6	14.56	14.86	14.12	16
		12	13	14.44	14.34	14.96	16
		25	0	14.75	14.57	14.38	16
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	14.91	14.81	14.75	16
		1	25	14.48	14.59	14.89	16
		1	49	14.97	14.98	15.05	16
		25	0	14.8	14.87	14.93	16
		25	13	14.97	14.96	14.95	16
		25	25	14.92	15.06	15.1	16
		50	0	14.97	14.91	14.99	16
	16QAM	1	0	15.23	15.15	15.33	16
		1	25	15.41	14.25	15.27	16
		1	49	15.54	15.46	14.76	16
		25	0	14.9	14.76	14.84	16
		25	13	14.83	14.8	14.77	16
		25	25	14.87	15	14.99	16
		50	0	14.81	14.83	14.91	16

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	64QAM	1	0	14.87	14.73	14.99	16
		1	25	14.32	13.55	15.08	16
		1	49	15.03	15.22	15.14	16
		25	0	15.04	14.67	14.86	16
		25	13	14.57	14.79	14.05	16
		25	25	14.5	14.32	14.99	16
		50	0	14.75	14.62	14.38	16

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LTE Band 12 Receiver off + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	18.03	17.87	18.06	19
		1	2	16.64	16.93	17.32	19
		1	5	17.95	18.08	18.11	19
		3	0	18.03	17.7	17.8	19
		3	2	17.85	17.85	18.31	19
		3	3	17.77	17.96	17.94	19
		6	0	17.87	17.94	17.96	19
	16QAM	1	0	18.41	18.29	18.36	19
		1	2	17.76	17.5	17.58	19
		1	5	17.72	17.83	18.28	19
		3	0	18.08	18.08	18.04	19
		3	2	18.08	18.15	17.68	19
		3	3	17.5	17.81	17.6	19
		6	0	18.06	17.6	17.74	19
	64QAM	1	0	17.78	17.72	17.96	19
		1	2	17.3	16.46	18.03	19
		1	5	17.94	18.2	18.12	19
		3	0	18.02	17.65	17.77	19
		3	2	17.51	17.75	17.03	19
		3	3	17.43	17.24	17.95	19
		6	0	17.68	17.61	17.32	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	17.87	17.85	17.96	19
		1	7	17.91	16.54	18.18	19
		1	14	17.93	17.94	18.09	19
		8	0	18.08	17.73	17.98	19
		8	4	18.2	18.08	18.22	19
		8	7	17.77	18.09	17.72	19
		15	0	17.84	17.91	17.99	19
	16QAM	1	0	18.15	18.39	18.33	19
		1	7	18.08	18.04	17.34	19
		1	14	18.37	18.32	18.41	19
		8	0	17.92	17.6	17.61	19
		8	4	18.01	17.79	18	19
		8	7	17.88	17.93	17.51	19
		15	0	17.81	17.85	18	19
	64QAM	1	0	17.8	17.7	17.93	19
		1	7	17.24	16.49	18.01	19
		1	14	18.02	18.18	18.07	19
		8	0	17.99	17.59	17.85	19
		8	4	17.57	17.75	16.97	19

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		8	7	17.41	17.31	17.98	19
		15	0	17.66	17.53	17.31	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	18.06	17.89	17.98	19
		1	13	17.89	17.87	18.15	19
		1	24	18.03	17.88	17.98	19
		12	0	17.91	17.95	18.02	19
		12	6	17.99	17.98	17.98	19
		12	13	17.98	18.05	18.15	19
		25	0	17.94	17.92	18.09	19
	16QAM	1	0	18.04	18.25	17.84	19
		1	13	18.44	18.44	18.49	19
		1	24	18.44	18.53	18.31	19
		12	0	17.85	17.84	18.03	19
		12	6	17.75	17.62	17.94	19
		12	13	17.83	17.93	18.08	19
		25	0	17.8	17.83	18.1	19
	64QAM	1	0	17.78	17.68	17.99	19
		1	13	17.25	16.46	18.01	19
		1	24	17.97	18.18	18.04	19
		12	0	18.03	17.65	17.79	19
		12	6	17.48	17.76	16.99	19
		12	13	17.44	17.31	17.95	19
		25	0	17.66	17.58	17.33	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	17.96	17.84	17.88	19
		1	25	17.61	17.4	18.1	19
		1	49	17.88	17.92	18.04	19
		25	0	17.88	17.91	18.04	19
		25	13	17.9	17.94	18.04	19
		25	25	17.95	18.05	18.11	19
		50	0	17.88	18.02	17.91	19
	16QAM	1	0	17.81	18.3	18.26	19
		1	25	18.11	18.52	17.96	19
		1	49	18.36	18.2	18.16	19
		25	0	18	17.86	17.97	19
		25	13	17.9	17.89	17.99	19
		25	25	17.94	18.03	18.06	19
		50	0	17.82	17.81	17.83	19

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	64QAM	1	0	17.83	17.64	17.97	19
		1	25	17.31	16.49	18.05	19
		1	49	17.96	18.16	18.06	19
		25	0	18.01	17.62	17.82	19
		25	13	17.49	17.73	16.98	19
		25	25	17.47	17.3	17.97	19
		50	0	17.7	17.6	17.38	19

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LTE Band 12 Receiver on(Left head) + BT + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 23017	Channel 23095	Channel 23173	Tune up
1.4MHz	QPSK	1	0	15.56	15.41	15.69	16.5
		1	2	14.38	14.96	15.34	16.5
		1	5	15.52	15.45	15.59	16.5
		3	0	15.4	15.22	15.61	16.5
		3	2	15.48	14.95	15.57	16.5
		3	3	15.3	15.1	15.5	16.5
		6	0	15.41	15.1	15.37	16.5
	16QAM	1	0	15.93	15.84	15.83	16.5
		1	2	15.15	15.67	15.49	16.5
		1	5	15.59	15.59	16.05	16.5
		3	0	15.63	15.37	15.63	16.5
		3	2	15.61	15.3	15.3	16.5
		3	3	15.41	15.13	15.69	16.5
		6	0	15.54	15.48	15.33	16.5
	64QAM	1	0	15.41	15.24	15.57	16.5
		1	2	14.9	14.05	15.62	16.5
		1	5	15.54	15.78	15.73	16.5
		3	0	15.54	15.2	15.43	16.5
		3	2	15.12	15.37	14.62	16.5
		3	3	15	14.88	15.53	16.5
		6	0	15.32	15.16	14.94	16.5
Bandwidth	Modulation	RB size	RB offset	Channel 23025	Channel 23095	Channel 23165	Tune up
3MHz	QPSK	1	0	15.44	15.51	15.53	16.5
		1	7	14.93	15.37	15.06	16.5
		1	14	15.36	15.49	15.48	16.5
		8	0	15.45	15.47	15.63	16.5
		8	4	15.63	15.26	15.64	16.5
		8	7	15.35	15.54	15.56	16.5
		15	0	15.27	15.46	15.67	16.5
	16QAM	1	0	15.87	15.46	15.74	16.5
		1	7	15.24	16.06	15.89	16.5
		1	14	15.85	15.94	16.2	16.5
		8	0	15.34	15.28	15.4	16.5
		8	4	15.2	15.55	15.68	16.5
		8	7	15.49	15.56	15.4	16.5
		15	0	15.37	15.3	15.54	16.5
	64QAM	1	0	15.34	15.31	15.61	16.5
		1	7	15.02	13.95	15.51	16.5
		1	14	15.55	15.71	15.71	16.5
		8	0	15.48	15	15.27	16.5
		8	4	15.08	15.35	14.65	16.5

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		8	7	14.93	14.96	15.48	16.5
		15	0	15.33	15.28	14.98	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	15.44	15.32	15.61	16.5
		1	13	15.47	15.44	15.47	16.5
		1	24	15.4	15.48	15.61	16.5
		12	0	15.48	15.44	15.43	16.5
		12	6	15.41	15.54	15.49	16.5
		12	13	15.41	15.51	15.69	16.5
		25	0	15.23	15.43	15.55	16.5
	16QAM	1	0	15.89	15.32	15.65	16.5
		1	13	15.98	15.92	16.11	16.5
		1	24	15.05	15.55	15.76	16.5
		12	0	15.49	15.38	15.56	16.5
		12	6	15.29	15.54	15.49	16.5
		12	13	15.39	15.5	15.72	16.5
		25	0	15.37	15.19	15.55	16.5
	64QAM	1	0	15.32	15.23	15.59	16.5
		1	13	14.85	14.04	15.49	16.5
		1	24	15.69	15.65	15.7	16.5
		12	0	15.61	15.18	15.3	16.5
		12	6	15.13	15.39	14.54	16.5
		12	13	14.98	14.95	15.56	16.5
		25	0	15.44	15.3	14.96	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	15.4	15.55	15.6	16.5
		1	25	15.15	15.59	15.11	16.5
		1	49	15.22	15.23	15.2	16.5
		25	0	15.38	15.37	15.39	16.5
		25	13	15.38	15.31	15.59	16.5
		25	25	15.44	15.43	15.61	16.5
		50	0	15.32	15.46	15.42	16.5
	16QAM	1	0	15.51	15.62	15.79	16.5
		1	25	15.23	15.04	15.74	16.5
		1	49	15.72	16.06	15.48	16.5
		25	0	15.24	15.35	15.35	16.5
		25	13	15.31	15.21	15.37	16.5
		25	25	15.29	15.52	15.58	16.5
		50	0	15.35	15.38	15.35	16.5

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	64QAM	1	0	15.4	15.24	15.74	16.5
		1	25	14.99	13.92	15.59	16.5
		1	49	15.58	15.74	15.7	16.5
		25	0	15.66	15.04	15.36	16.5
		25	13	15.18	15.29	14.64	16.5
		25	25	14.98	15.03	15.46	16.5
		50	0	15.42	15.32	14.97	16.5

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LTE Band 12 Receiver on(Right head) + BT + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 23017	Channel 23095	Channel 23173	Tune up
1.4MHz	QPSK	1	0	15.09	14.99	15.22	16
		1	2	14.64	15	14.64	16
		1	5	15.07	14.88	15.09	16
		3	0	14.83	14.91	15.13	16
		3	2	14.32	14.37	15.17	16
		3	3	14.96	14.87	15.07	16
		6	0	14.97	14.9	14.77	16
	16QAM	1	0	15.49	15.42	15.56	16
		1	2	14.07	15.48	15.64	16
		1	5	15.3	15.53	15.71	16
		3	0	14.88	15.25	15.02	16
		3	2	14.62	14.95	14.48	16
		3	3	14.88	14.92	15.14	16
		6	0	15.14	14.85	14.96	16
	64QAM	1	0	14.87	14.66	15.05	16
		1	2	14.34	13.48	15.09	16
		1	5	15	15.21	15.14	16
		3	0	14.98	14.67	14.93	16
		3	2	14.57	14.84	14.09	16
		3	3	14.48	14.29	15	16
		6	0	14.77	14.58	14.37	16
Bandwidth	Modulation	RB size	RB offset	Channel 23025	Channel 23095	Channel 23165	Tune up
3MHz	QPSK	1	0	14.94	14.83	15.08	16
		1	7	14.68	14.24	14.93	16
		1	14	14.91	15.01	15.13	16
		8	0	15.07	14.76	15.22	16
		8	4	15.11	14.98	15.33	16
		8	7	14.98	14.94	15.03	16
		15	0	14.85	14.9	15.1	16
	16QAM	1	0	15.33	15.48	14.94	16
		1	7	13.78	14.97	14.09	16
		1	14	14.68	15.35	15.5	16
		8	0	14.78	14.78	15.18	16
		8	4	14.96	14.45	15.15	16
		8	7	14.76	15.05	14.88	16
		15	0	14.77	15.02	15	16
	64QAM	1	0	14.9	14.66	14.99	16
		1	7	14.38	13.45	15.08	16
		1	14	14.99	15.26	15.17	16
		8	0	15	14.68	14.84	16
		8	4	14.61	14.77	14.11	16

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		8	7	14.46	14.34	15	16
		15	0	14.75	14.56	14.43	16
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	14.99	14.89	14.95	16
		1	13	14.79	14.88	15.06	16
		1	24	14.96	15.05	15.16	16
		12	0	14.9	15.03	15.12	16
		12	6	14.89	14.98	15.08	16
		12	13	14.85	14.99	15.15	16
		25	0	14.9	14.89	14.97	16
	16QAM	1	0	15.55	15.31	15.05	16
		1	13	15.16	15.29	15	16
		1	24	15.43	15.28	15.13	16
		12	0	15.02	14.94	14.98	16
		12	6	14.72	14.8	14.94	16
		12	13	15	14.84	15.28	16
		25	0	14.79	14.83	15.08	16
	64QAM	1	0	14.85	14.69	15.04	16
		1	13	14.31	13.46	15.12	16
		1	24	14.98	15.21	15.18	16
		12	0	14.95	14.67	14.85	16
		12	6	14.56	14.86	14.12	16
		12	13	14.44	14.34	14.96	16
		25	0	14.75	14.57	14.38	16
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	14.91	14.81	14.75	16
		1	25	14.48	14.59	14.89	16
		1	49	14.97	14.98	15.05	16
		25	0	14.8	14.87	14.93	16
		25	13	14.97	14.96	14.95	16
		25	25	14.92	15.06	15.1	16
		50	0	14.97	14.91	14.99	16
	16QAM	1	0	15.23	15.15	15.33	16
		1	25	15.41	14.25	15.27	16
		1	49	15.54	15.46	14.76	16
		25	0	14.9	14.76	14.84	16
		25	13	14.83	14.8	14.77	16
		25	25	14.87	15	14.99	16
		50	0	14.81	14.83	14.91	16

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	64QAM	1	0	14.87	14.73	14.99	16
		1	25	14.32	13.55	15.08	16
		1	49	15.03	15.22	15.14	16
		25	0	15.04	14.67	14.86	16
		25	13	14.57	14.79	14.05	16
		25	25	14.5	14.32	14.99	16
		50	0	14.75	14.62	14.38	16

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LTE Band 12 Receiver off + BT + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	18.03	17.87	18.06	19
		1	2	16.64	16.93	17.32	19
		1	5	17.95	18.08	18.11	19
		3	0	18.03	17.7	17.8	19
		3	2	17.85	17.85	18.31	19
		3	3	17.77	17.96	17.94	19
		6	0	17.87	17.94	17.96	19
	16QAM	1	0	18.41	18.29	18.36	19
		1	2	17.76	17.5	17.58	19
		1	5	17.72	17.83	18.28	19
		3	0	18.08	18.08	18.04	19
		3	2	18.08	18.15	17.68	19
		3	3	17.5	17.81	17.6	19
		6	0	18.06	17.6	17.74	19
	64QAM	1	0	17.78	17.72	17.96	19
		1	2	17.3	16.46	18.03	19
		1	5	17.94	18.2	18.12	19
		3	0	18.02	17.65	17.77	19
		3	2	17.51	17.75	17.03	19
		3	3	17.43	17.24	17.95	19
		6	0	17.68	17.61	17.32	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	17.87	17.85	17.96	19
		1	7	17.91	16.54	18.18	19
		1	14	17.93	17.94	18.09	19
		8	0	18.08	17.73	17.98	19
		8	4	18.2	18.08	18.22	19
		8	7	17.77	18.09	17.72	19
		15	0	17.84	17.91	17.99	19
	16QAM	1	0	18.15	18.39	18.33	19
		1	7	18.08	18.04	17.34	19
		1	14	18.37	18.32	18.41	19
		8	0	17.92	17.6	17.61	19
		8	4	18.01	17.79	18	19
		8	7	17.88	17.93	17.51	19
		15	0	17.81	17.85	18	19
	64QAM	1	0	17.8	17.7	17.93	19
		1	7	17.24	16.49	18.01	19
		1	14	18.02	18.18	18.07	19
		8	0	17.99	17.59	17.85	19
		8	4	17.57	17.75	16.97	19

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		8	7	17.41	17.31	17.98	19
		15	0	17.66	17.53	17.31	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	18.06	17.89	17.98	19
		1	13	17.89	17.87	18.15	19
		1	24	18.03	17.88	17.98	19
		12	0	17.91	17.95	18.02	19
		12	6	17.99	17.98	17.98	19
		12	13	17.98	18.05	18.15	19
		25	0	17.94	17.92	18.09	19
	16QAM	1	0	18.04	18.25	17.84	19
		1	13	18.44	18.44	18.49	19
		1	24	18.44	18.53	18.31	19
		12	0	17.85	17.84	18.03	19
		12	6	17.75	17.62	17.94	19
		12	13	17.83	17.93	18.08	19
		25	0	17.8	17.83	18.1	19
	64QAM	1	0	17.78	17.68	17.99	19
		1	13	17.25	16.46	18.01	19
		1	24	17.97	18.18	18.04	19
		12	0	18.03	17.65	17.79	19
		12	6	17.48	17.76	16.99	19
		12	13	17.44	17.31	17.95	19
		25	0	17.66	17.58	17.33	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	17.96	17.84	17.88	19
		1	25	17.61	17.4	18.1	19
		1	49	17.88	17.92	18.04	19
		25	0	17.88	17.91	18.04	19
		25	13	17.9	17.94	18.04	19
		25	25	17.95	18.05	18.11	19
		50	0	17.88	18.02	17.91	19
	16QAM	1	0	17.81	18.3	18.26	19
		1	25	18.11	18.52	17.96	19
		1	49	18.36	18.2	18.16	19
		25	0	18	17.86	17.97	19
		25	13	17.9	17.89	17.99	19
		25	25	17.94	18.03	18.06	19
		50	0	17.82	17.81	17.83	19

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	64QAM	1	0	17.83	17.64	17.97	19
		1	25	17.31	16.49	18.05	19
		1	49	17.96	18.16	18.06	19
		25	0	18.01	17.62	17.82	19
		25	13	17.49	17.73	16.98	19
		25	25	17.47	17.3	17.97	19
		50	0	17.7	17.6	17.38	19

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LTE Band 12 Receiver on(Left head) + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 23017	Channel 23095	Channel 23173	Tune up
1.4MHz	QPSK	1	0	17.42	17.46	17.59	18.5
		1	2	17.26	17.66	17.03	18.5
		1	5	17.55	17.55	17.53	18.5
		3	0	17.4	17.52	17.2	18.5
		3	2	17.28	17.1	16.97	18.5
		3	3	17.46	17.46	17.52	18.5
		6	0	17.74	17.34	17.29	18.5
	16QAM	1	0	17.88	17.99	18.11	18.5
		1	2	17.7	17.05	17.77	18.5
		1	5	17.74	17.95	17.54	18.5
		3	0	17.42	16.92	17.54	18.5
		3	2	17.57	16.81	17.89	18.5
		3	3	17.33	17.43	17.18	18.5
		6	0	17.65	17.33	17.31	18.5
	64QAM	1	0	17.37	16.91	17.07	18.5
		1	2	17.07	16.88	16.81	18.5
		1	5	17.15	17.3	17.33	18.5
		3	0	17.04	17.09	17.43	18.5
		3	2	17.04	17.13	17.05	18.5
		3	3	16.9	16.93	17.18	18.5
		6	0	17.23	16.97	17.12	18.5
Bandwidth	Modulation	RB size	RB offset	Channel 23025	Channel 23095	Channel 23165	Tune up
3MHz	QPSK	1	0	17.55	17.45	17.62	18.5
		1	7	16.03	17.15	17.83	18.5
		1	14	17.45	17.59	17.55	18.5
		8	0	17.46	17.41	17.55	18.5
		8	4	17.43	17.23	17.74	18.5
		8	7	17.23	17.43	17.51	18.5
		15	0	17.45	17.4	17.45	18.5
	16QAM	1	0	17.67	17.81	18.09	18.5
		1	7	17.46	16.38	17.3	18.5
		1	14	17.64	17.5	17.41	18.5
		8	0	17.33	17.67	17.42	18.5
		8	4	17.15	17.39	17.46	18.5
		8	7	17.32	17.31	17.57	18.5
		15	0	17.19	17.29	17.56	18.5
	64QAM	1	0	17.43	16.91	17.13	18.5
		1	7	17.11	16.84	16.84	18.5
		1	14	17.16	17.33	17.33	18.5
		8	0	16.99	17.13	17.36	18.5
		8	4	17.04	17.13	17	18.5

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		8	7	16.89	16.92	17.16	18.5
		15	0	17.23	17	17.14	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	17.45	17.28	17.4	18.5
		1	13	17.56	17.45	17.55	18.5
		1	24	17.45	17.48	17.46	18.5
		12	0	17.4	17.39	17.52	18.5
		12	6	17.49	17.46	17.4	18.5
		12	13	17.47	17.52	17.68	18.5
		25	0	17.42	17.4	17.51	18.5
	16QAM	1	0	17.78	17.26	17.73	18.5
		1	13	17.3	17.44	17.4	18.5
		1	24	18.11	17.78	18.13	18.5
		12	0	17.49	17.46	17.51	18.5
		12	6	17.43	17.44	17.43	18.5
		12	13	17.36	17.43	17.72	18.5
		25	0	17.35	17.32	17.44	18.5
	64QAM	1	0	17.36	16.92	17.1	18.5
		1	13	17.16	16.86	16.81	18.5
		1	24	17.08	17.38	17.34	18.5
		12	0	17.02	17.09	17.39	18.5
		12	6	16.99	17.13	17.04	18.5
		12	13	16.84	17	17.19	18.5
		25	0	17.3	16.95	17.2	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	17.45	17.38	17.33	18.5
		1	25	17.02	16.82	17.62	18.5
		1	49	17.54	17.69	17.65	18.5
		25	0	17.46	17.45	17.51	18.5
		25	13	17.44	17.39	17.35	18.5
		25	25	17.34	17.56	17.48	18.5
		50	0	17.4	17.37	17.61	18.5
	16QAM	1	0	17.93	17.61	17.55	18.5
		1	25	17.73	17.71	17.74	18.5
		1	49	17.82	17.89	18.14	18.5
		25	0	17.43	17.27	17.36	18.5
		25	13	17.37	17.31	17.45	18.5
		25	25	17.24	17.38	17.46	18.5
		50	0	17.28	17.3	17.43	18.5

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	64QAM	1	0	17.44	16.92	17.1	18.5
		1	25	17.09	16.84	16.84	18.5
		1	49	17.1	17.39	17.31	18.5
		25	0	17.01	17.06	17.41	18.5
		25	13	17.03	17.14	17.09	18.5
		25	25	16.86	16.94	17.14	18.5
		50	0	17.23	16.99	17.12	18.5

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LTE Band 12 Receiver on(Right head) + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 23017	Channel 23095	Channel 23173	Tune up
1.4MHz	QPSK	1	0	17.13	16.92	17.07	18
		1	2	16.52	17.36	16.6	18
		1	5	16.97	17.03	17.09	18
		3	0	16.93	16.84	17.07	18
		3	2	16.85	17.05	16.93	18
		3	3	16.74	16.85	16.79	18
		6	0	16.61	16.94	17.11	18
	16QAM	1	0	17.32	17.15	17.46	18
		1	2	16.52	17.2	17.29	18
		1	5	17.34	17.41	17.63	18
		3	0	16.9	16.81	17.16	18
		3	2	16.8	16.51	17.11	18
		3	3	17.08	17.04	17.14	18
		6	0	17.18	16.74	16.24	18
	64QAM	1	0	16.79	16.39	16.49	18
		1	2	16.5	16.38	16.24	18
		1	5	16.6	16.79	16.77	18
		3	0	16.51	16.53	16.85	18
		3	2	16.5	16.6	16.45	18
		3	3	16.31	16.4	16.59	18
		6	0	16.66	16.45	16.52	18
Bandwidth	Modulation	RB size	RB offset	Channel 23025	Channel 23095	Channel 23165	Tune up
3MHz	QPSK	1	0	17.08	16.94	17.09	18
		1	7	15.76	17.96	16.75	18
		1	14	16.95	16.95	17.09	18
		8	0	16.75	16.89	17.06	18
		8	4	17.16	16.97	17.13	18
		8	7	16.79	16.72	17.01	18
		15	0	16.84	16.9	16.96	18
	16QAM	1	0	17.45	17.25	16.96	18
		1	7	17.35	17.32	17.01	18
		1	14	16.92	17.52	17.51	18
		8	0	16.9	16.88	17.2	18
		8	4	16.89	17.04	17.05	18
		8	7	16.83	16.84	16.96	18
		15	0	16.93	16.84	17.16	18
	64QAM	1	0	16.78	16.37	16.56	18
		1	7	16.47	16.35	16.24	18
		1	14	16.6	16.78	16.75	18
		8	0	16.53	16.49	16.9	18
		8	4	16.49	16.63	16.5	18

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		8	7	16.34	16.38	16.65	18
		15	0	16.65	16.44	16.56	18
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	17.02	16.88	17.09	18
		1	13	16.89	16.92	17.13	18
		1	24	17.03	17.01	16.96	18
		12	0	17.04	16.94	17.04	18
		12	6	16.65	16.78	17.05	18
		12	13	16.99	16.95	17.22	18
		25	0	16.99	16.96	17.12	18
	16QAM	1	0	17.23	16.77	17.28	18
		1	13	17.01	17.37	17.5	18
		1	24	17.36	17.4	17.22	18
		12	0	16.94	17.09	16.92	18
		12	6	16.91	17	16.99	18
		12	13	16.92	16.92	17.04	18
		25	0	16.89	16.83	16.97	18
	64QAM	1	0	16.78	16.4	16.48	18
		1	13	16.54	16.35	16.22	18
		1	24	16.57	16.73	16.81	18
		12	0	16.49	16.52	16.89	18
		12	6	16.47	16.59	16.49	18
		12	13	16.38	16.38	16.58	18
		25	0	16.71	16.39	16.57	18
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	16.93	16.91	16.82	18
		1	25	17.1	17.11	17.04	18
		1	49	17.09	16.95	16.99	18
		25	0	16.93	16.86	16.91	18
		25	13	16.96	17.02	16.95	18
		25	25	16.96	17	17.05	18
		50	0	16.99	16.98	17.03	18
	16QAM	1	0	17.13	16.91	17	18
		1	25	16.88	16.94	16.98	18
		1	49	17.48	17.5	17.39	18
		25	0	16.87	16.82	16.8	18
		25	13	16.98	16.86	16.74	18
		25	25	16.88	16.98	16.95	18
		50	0	16.9	16.88	16.9	18

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	64QAM	1	0	16.86	16.39	16.5	18
		1	25	16.51	16.3	16.3	18
		1	49	16.56	16.72	16.82	18
		25	0	16.45	16.56	16.86	18
		25	13	16.48	16.6	16.49	18
		25	25	16.36	16.37	16.58	18
		50	0	16.64	16.68	16.53	18

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LTE Band 12 Receiver off + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	19.98	19.98	20.12	21
		1	2	19.26	19.03	18.94	21
		1	5	19.91	19.99	20.03	21
		3	0	19.88	19.89	20.08	21
		3	2	20.13	20.17	19.25	21
		3	3	20.14	20	19.81	21
		6	0	20.11	19.94	20.03	21
	16QAM	1	0	20.2	20.02	20.51	21
		1	2	19.72	18.68	20.29	21
		1	5	20.39	20.43	20.49	21
		3	0	20.32	19.96	20.11	21
		3	2	19.87	20.06	19.38	21
		3	3	19.67	19.6	20.14	21
		6	0	20.04	19.83	19.69	21
	64QAM	1	0	19.92	19.79	20.19	21
		1	2	19.54	18.44	20.26	21
		1	5	20.24	20.19	20.39	21
		3	0	20.1	19.86	20.1	21
		3	2	19.68	20	19.16	21
		3	3	19.46	19.46	20.07	21
		6	0	19.87	19.64	19.44	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	20.01	19.88	19.99	21
		1	7	19.02	20.04	20.31	21
		1	14	20	20.03	20.11	21
		8	0	19.38	19.9	20.05	21
		8	4	20.14	20.12	20.19	21
		8	7	19.62	19.91	19.83	21
		15	0	19.9	19.85	20.11	21
	16QAM	1	0	20.42	20.29	20.1	21
		1	7	19.63	20.77	20.06	21
		1	14	20.35	20.33	20.23	21
		8	0	19.89	19.99	19.85	21
		8	4	19.94	19.89	20.24	21
		8	7	19.71	20	19.97	21
		15	0	19.95	19.94	19.91	21
	64QAM	1	0	20.3	20.24	19.94	21
		1	7	19.54	20.62	19.99	21
		1	14	20.13	20.05	20.05	21
		8	0	19.67	19.81	19.61	21
		8	4	19.92	19.68	20.09	21

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		8	7	19.51	19.77	19.85	21
		15	0	19.94	19.81	19.74	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	19.94	19.84	19.97	21
		1	13	19.93	20.07	20.05	21
		1	24	19.99	19.92	20.04	21
		12	0	19.98	19.94	20.04	21
		12	6	19.94	19.91	19.86	21
		12	13	19.97	20	20.09	21
		25	0	19.81	19.97	20.03	21
	16QAM	1	0	20.39	20.37	20.34	21
		1	13	20.21	20.43	20.32	21
		1	24	20.33	20.28	20.3	21
		12	0	19.99	20.01	19.96	21
		12	6	19.8	19.86	19.84	21
		12	13	20	19.93	20.24	21
		25	0	19.86	19.76	20.01	21
	64QAM	1	0	20.14	19.94	20.18	21
		1	13	19.51	18.58	20.15	21
		1	24	20.12	20.31	20.37	21
		12	0	20.27	19.79	20.03	21
		12	6	19.78	19.91	19.15	21
		12	13	19.48	19.44	19.93	21
		25	0	19.88	19.77	19.67	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	20.17	19.88	19.89	21
		1	25	20.01	19.53	19.75	21
		1	49	19.91	19.89	19.95	21
		25	0	19.9	19.94	19.93	21
		25	13	19.97	19.97	19.99	21
		25	25	19.89	20.01	20.02	21
		50	0	19.94	20.06	20.01	21
	16QAM	1	0	20.34	20.75	20.18	21
		1	25	19.51	20.09	20.14	21
		1	49	20.34	20.36	20.72	21
		25	0	19.92	19.88	19.92	21
		25	13	19.94	19.81	19.85	21
		25	25	19.76	19.99	20.12	21
		50	0	19.93	19.82	20.06	21

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	64QAM	1	0	19.93	19.82	20.26	21
		1	25	19.54	18.61	20.17	21
		1	49	20.21	20.31	20.25	21
		25	0	20.18	19.7	19.96	21
		25	13	19.73	19.9	19.19	21
		25	25	19.6	19.56	20.08	21
		50	0	19.95	19.82	19.52	21

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LTE Band 17 Receiver on(Left head)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	19.61	19.6	19.61	20.5
		1	13	19.65	19.64	19.66	20.5
		1	24	19.63	19.64	19.73	20.5
		12	0	19.62	19.62	19.68	20.5
		12	6	19.63	19.62	19.57	20.5
		12	13	19.68	19.71	19.72	20.5
		25	0	19.62	19.62	19.71	20.5
	16QAM	1	0	19.87	19.82	19.88	20.5
		1	13	19.93	19.9	20	20.5
		1	24	19.86	19.9	20.08	20.5
		12	0	19.53	19.6	19.63	20.5
		12	6	19.62	19.68	19.6	20.5
		12	13	19.66	19.68	19.61	20.5
		25	0	19.57	19.58	19.63	20.5
	64QAM	1	0	19.74	19.75	19.74	20.5
		1	13	19.35	19.45	19.36	20.5
		1	24	19.69	19.72	19.96	20.5
		12	0	19.56	19.55	19.62	20.5
		12	6	19.51	19.6	19.52	20.5
		12	13	19.57	19.57	19.54	20.5
		25	0	19.6	19.55	19.53	20.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	19.54	19.61	19.56	20.5
		1	25	19.44	19.39	19.58	20.5
		1	49	19.67	19.68	19.72	20.5
		25	0	19.61	19.61	19.63	20.5
		25	13	19.61	19.58	19.64	20.5
		25	25	19.7	19.66	19.74	20.5
		50	0	19.69	19.71	19.68	20.5
	16QAM	1	0	19.88	19.83	19.83	20.5
		1	25	19.53	19.52	19.61	20.5
		1	49	19.84	19.92	20.07	20.5
		25	0	19.6	19.55	19.61	20.5
		25	13	19.6	19.62	19.65	20.5
		25	25	19.69	19.68	19.69	20.5
		50	0	19.61	19.65	19.63	20.5

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	64QAM	1	0	19.77	19.78	19.77	20.5
		1	25	19.45	19.49	19.38	20.5
		1	49	19.73	19.81	19.96	20.5
		25	0	19.59	19.61	19.62	20.5
		25	13	19.6	19.61	19.56	20.5
		25	25	19.62	19.63	19.6	20.5
		50	0	19.6	19.59	19.61	20.5

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LTE Band 17 Receiver on(Right head)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	20.08	20.03	20.1	21
		1	13	20.08	20.1	20.13	21
		1	24	20.11	20.13	20.2	21
		12	0	20.07	20.11	20.2	21
		12	6	20.12	20.05	20.07	21
		12	13	20.16	20.21	20.18	21
		25	0	20.09	20.1	20.14	21
	16QAM	1	0	20.35	20.46	20.52	21
		1	13	20.49	20.46	20.52	21
		1	24	20.47	20.52	20.54	21
		12	0	20.12	20.14	20.17	21
		12	6	20.1	20.05	20.09	21
		12	13	20.14	20.16	20.15	21
		25	0	20.01	20.1	20.06	21
	64QAM	1	0	20.2	20.21	20.32	21
		1	13	19.84	19.86	19.83	21
		1	24	20.33	20.32	20.24	21
		12	0	20.04	20.11	20.02	21
		12	6	19.98	20.06	20.06	21
		12	13	20.04	20.08	20	21
		25	0	20.05	20.05	20.06	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	20.04	20.04	20.03	21
		1	25	20.02	19.93	19.91	21
		1	49	20.16	20.18	20.25	21
		25	0	20.09	20.14	20.09	21
		25	13	20.12	20.12	20.14	21
		25	25	20.2	20.2	20.2	21
		50	0	20.16	20.2	20.15	21
	16QAM	1	0	20.32	20.35	20.35	21
		1	25	20.36	20.39	20.32	21
		1	49	20.51	20.55	20.47	21
		25	0	20	20.03	20.02	21
		25	13	20.09	20.06	20.02	21
		25	25	20.13	20.09	20.1	21
		50	0	20.08	20.1	20.05	21

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	64QAM	1	0	20.2	20.32	20.35	21
		1	25	19.88	19.95	19.91	21
		1	49	20.37	20.34	20.33	21
		25	0	20.08	20.12	20.11	21
		25	13	20.08	20.1	20.12	21
		25	25	20.11	20.16	20.08	21
		50	0	20.1	20.15	20.07	21

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LTE Band 17 Receiver off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	22.99	23.07	23.12	24
		1	13	23.19	23.02	23.16	24
		1	24	23.04	23.16	23.11	24
		12	0	22.08	22.1	22.09	23
		12	6	22.01	22.02	21.99	23
		12	13	22.06	22.11	22.07	23
		25	0	22.02	22.07	22.05	23
	16QAM	1	0	22.28	22.29	22.31	23
		1	13	22.33	22.37	22.38	23
		1	24	22.32	22.28	22.48	23
		12	0	21.03	21.07	21.08	22
		12	6	21.13	21.04	21.07	22
		12	13	21.09	21.17	21.06	22
		25	0	20.98	21.01	21.02	22
	64QAM	1	0	21.21	21.24	21.25	22
		1	13	21.11	20.99	20.89	22
		1	24	21.26	21.15	21.29	22
		12	0	20.03	20.05	20.04	21
		12	6	20.04	20.02	20.09	21
		12	13	20.11	20.05	20.09	21
		25	0	20.00	20.11	20.01	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	23.02	23.1	23.04	24
		1	25	22.89	22.98	22.94	24
		1	49	23.11	23.08	23.06	24
		25	0	22.01	22.07	22.02	23
		25	13	22.03	22.03	22.05	23
		25	25	22.13	22.12	22.09	23
		50	0	22.06	22.11	22.09	23
	16QAM	1	0	22.29	22.23	22.33	23
		1	25	22.25	22.26	22.06	23
		1	49	22.36	22.29	22.45	23
		25	0	20.99	20.98	20.98	22
		25	13	21.03	20.96	21.04	22
		25	25	21.04	21.04	21.06	22
		50	0	20.99	21.02	20.95	22

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	64QAM	1	0	21.24	21.3	21.26	22
		1	25	21.12	21.06	20.93	22
		1	49	21.29	21.23	21.33	22
		25	0	20.09	20.1	20.12	21
		25	13	20.1	20.09	20.1	21
		25	25	20.13	20.12	20.12	21
		50	0	20.07	20.13	20.09	21

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LTE Band 17 Receiver off + hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	19.98	19.93	19.91	21
		1	13	20.03	20.02	20.03	21
		1	24	20	20.02	20.04	21
		12	0	19.99	20.01	19.99	21
		12	6	19.93	19.91	19.95	21
		12	13	20.06	20.02	20.03	21
		25	0	19.97	19.96	20.01	21
	16QAM	1	0	20.26	20.31	20.35	21
		1	13	20.26	20.29	20.35	21
		1	24	20.3	20.35	20.41	21
		12	0	19.91	19.98	19.98	21
		12	6	20.01	19.88	19.89	21
		12	13	20	20.03	19.97	21
		25	0	19.93	19.93	19.95	21
	64QAM	1	0	20.19	20.31	20.32	21
		1	13	19.87	19.93	19.9	21
		1	24	20.36	20.31	20.31	21
		12	0	20.04	20.08	20.06	21
		12	6	20.07	20.09	20.11	21
		12	13	20.11	20.14	20.04	21
		25	0	20.06	20.13	20.05	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	19.91	19.9	19.86	21
		1	25	19.76	19.84	19.65	21
		1	49	19.99	20.03	20.05	21
		25	0	19.97	19.98	19.96	21
		25	13	19.98	19.99	19.98	21
		25	25	20.02	19.98	20.05	21
		50	0	20.01	20.04	19.98	21
	16QAM	1	0	20.17	20.26	20.31	21
		1	25	19.89	20.12	19.93	21
		1	49	20.33	20.2	20.2	21
		25	0	19.92	19.88	19.91	21
		25	13	19.96	19.92	19.92	21
		25	25	19.95	19.98	19.97	21
		50	0	19.94	19.97	19.91	21

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	64QAM	1	0	20.18	20.27	20.32	21
		1	25	19.84	19.92	19.87	21
		1	49	20.36	20.32	20.29	21
		25	0	20.04	20.11	20.1	21
		25	13	20.04	20.09	20.08	21
		25	25	20.09	20.12	20.06	21
		50	0	20.07	20.14	20.03	21

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LTE Band 17 Receiver off + hotspot 5G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	17.96	17.94	17.97	19
		1	13	18.01	18	18.02	19
		1	24	18.01	18.03	18.11	19
		12	0	18.02	17.99	18.02	19
		12	6	17.96	17.92	17.99	19
		12	13	18.03	18.1	18.08	19
		25	0	17.99	18	17.99	19
	16QAM	1	0	18.26	18.26	18.23	19
		1	13	18.34	18.24	18.32	19
		1	24	18.3	18.36	18.37	19
		12	0	17.96	17.97	18.02	19
		12	6	17.99	18	17.98	19
		12	13	17.95	18.05	18.02	19
		25	0	17.93	17.93	17.94	19
	64QAM	1	0	18.17	18.26	18.28	19
		1	13	17.77	17.88	17.84	19
		1	24	18.27	18.29	18.26	19
		12	0	18.01	18.04	18.03	19
		12	6	18.01	18.06	18.05	19
		12	13	18.02	18.05	18.02	19
		25	0	18.07	18.09	18.01	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	17.92	17.91	17.9	19
		1	25	17.64	17.75	17.7	19
		1	49	18.07	18.05	18.08	19
		25	0	17.97	17.95	17.93	19
		25	13	17.99	17.98	17.97	19
		25	25	18.06	18.06	18.07	19
		50	0	17.99	18.05	18.02	19
	16QAM	1	0	18.26	18.22	18.24	19
		1	25	18.13	17.92	18.15	19
		1	49	18.36	18.4	18.39	19
		25	0	17.95	17.87	17.88	19
		25	13	17.88	17.93	17.89	19
		25	25	17.97	18	17.96	19
		50	0	17.94	17.98	17.97	19

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	64QAM	1	0	18.16	18.21	18.29	19
		1	25	17.79	17.83	17.85	19
		1	49	18.34	18.32	18.24	19
		25	0	17.96	18.04	18.03	19
		25	13	17.99	18.07	18.04	19
		25	25	18.07	18.09	18.01	19
		50	0	18	18.05	17.96	19

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LTE Band 17 Receiver on(Left head) + hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	16.43	16.35	16.43	17.5
		1	13	16.45	16.46	16.46	17.5
		1	24	16.45	16.52	16.72	17.5
		12	0	16.44	16.48	16.52	17.5
		12	6	16.49	16.43	16.39	17.5
		12	13	16.58	16.5	16.41	17.5
		25	0	16.3	16.51	16.53	17.5
	16QAM	1	0	16.69	16.64	16.7	17.5
		1	13	16.76	16.64	16.74	17.5
		1	24	16.53	17.1	16.93	17.5
		12	0	16.46	16.47	16.55	17.5
		12	6	16.32	16.31	16.49	17.5
		12	13	16.55	16.55	16.37	17.5
		25	0	16.25	16.45	16.49	17.5
	64QAM	1	0	16.57	16.65	16.7	17.5
		1	13	16.23	16.3	16.31	17.5
		1	24	16.84	16.76	16.73	17.5
		12	0	16.43	16.5	16.5	17.5
		12	6	16.43	16.52	16.52	17.5
		12	13	16.56	16.54	16.43	17.5
		25	0	16.46	16.45	16.38	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	16.52	16.37	16.33	17.5
		1	25	15.86	16.21	16.45	17.5
		1	49	16.53	16.5	16.64	17.5
		25	0	16.46	16.41	16.46	17.5
		25	13	16.48	16.48	16.51	17.5
		25	25	16.57	16.55	16.54	17.5
		50	0	16.54	16.42	16.48	17.5
	16QAM	1	0	16.84	16.74	16.4	17.5
		1	25	16.94	16.67	16.93	17.5
		1	49	16.66	16.77	16.44	17.5
		25	0	16.23	16.34	16.44	17.5
		25	13	16.47	16.3	16.4	17.5
		25	25	16.56	16.48	16.49	17.5
		50	0	16.41	16.56	16.49	17.5

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	64QAM	1	0	16.64	16.65	16.72	17.5
		1	25	16.24	16.23	16.35	17.5
		1	49	16.74	16.73	16.73	17.5
		25	0	16.44	16.52	16.53	17.5
		25	13	16.41	16.55	16.45	17.5
		25	25	16.55	16.57	16.43	17.5
		50	0	16.43	16.49	16.4	17.5

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LTE Band 17 Receiver on(Right head) + hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	16.89	17.04	17.03	18
		1	13	16.94	16.82	17.01	18
		1	24	16.9	17.01	17.03	18
		12	0	16.97	16.95	17.06	18
		12	6	17.16	17.05	17.04	18
		12	13	16.96	17.02	17.02	18
		25	0	16.83	17.03	17	18
	16QAM	1	0	17.43	17.31	16.91	18
		1	13	17.42	17.33	17.55	18
		1	24	16.87	16.85	17.16	18
		12	0	16.89	17.03	17.03	18
		12	6	16.93	16.99	17.03	18
		12	13	16.82	17.03	17.02	18
		25	0	17.03	16.91	16.92	18
	64QAM	1	0	17.11	17.12	17.15	18
		1	13	16.69	16.72	16.81	18
		1	24	17.2	17.15	17.18	18
		12	0	16.86	16.93	17.02	18
		12	6	16.88	16.96	16.94	18
		12	13	17.04	17.07	16.89	18
		25	0	16.84	16.98	16.88	18
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	17.01	16.89	16.91	18
		1	25	16.24	16.83	17.04	18
		1	49	17.02	17.05	17.06	18
		25	0	16.85	16.88	16.89	18
		25	13	16.94	16.88	16.92	18
		25	25	17.07	17.11	17.06	18
		50	0	16.96	17.01	16.95	18
	16QAM	1	0	17.16	17.42	16.89	18
		1	25	17.24	16.59	17.19	18
		1	49	17.21	17.47	17.2	18
		25	0	16.9	16.87	16.96	18
		25	13	16.95	16.9	16.93	18
		25	25	16.82	16.88	17.01	18
		50	0	16.96	16.92	16.86	18

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	64QAM	1	0	17.12	17.12	17.13	18
		1	25	16.68	16.65	16.82	18
		1	49	17.16	17.22	17.2	18
		25	0	16.9	16.94	16.97	18
		25	13	16.91	17.05	16.86	18
		25	25	17.03	17.05	16.88	18
		50	0	16.84	16.98	16.86	18

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LTE Band 17 Receiver on(Left head) + hotspot 5G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	14.32	14.33	14.53	15.5
		1	13	14.42	14.6	14.41	15.5
		1	24	14.38	14.59	14.56	15.5
		12	0	14.4	14.45	14.51	15.5
		12	6	14.46	14.45	14.38	15.5
		12	13	14.43	14.52	14.49	15.5
		25	0	14.35	14.42	14.51	15.5
	16QAM	1	0	14.74	14.78	14.33	15.5
		1	13	14.69	14.83	14.87	15.5
		1	24	14.75	14.29	15.13	15.5
		12	0	14.43	14.35	14.57	15.5
		12	6	14.58	14.32	14.57	15.5
		12	13	14.48	14.52	14.49	15.5
		25	0	14.4	14.43	14.44	15.5
	64QAM	1	0	14.31	14.26	14.34	15.5
		1	13	14.15	14.12	14.31	15.5
		1	24	14.34	14.41	14.45	15.5
		12	0	14.37	14.37	14.41	15.5
		12	6	14.37	14.46	14.31	15.5
		12	13	14.49	14.55	14.3	15.5
		25	0	14.33	14.44	14.35	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	14.39	14.39	14.37	15.5
		1	25	14.34	14.37	14.36	15.5
		1	49	14.42	14.43	14.6	15.5
		25	0	14.42	14.35	14.41	15.5
		25	13	14.34	14.41	14.48	15.5
		25	25	14.48	14.56	14.54	15.5
		50	0	14.5	14.49	14.47	15.5
	16QAM	1	0	14.93	14.74	14.21	15.5
		1	25	14.71	14.64	14.98	15.5
		1	49	14.21	14.59	15.08	15.5
		25	0	14.41	14.24	14.33	15.5
		25	13	14.5	14.24	14.36	15.5
		25	25	14.47	14.54	14.42	15.5
		50	0	14.3	14.43	14.38	15.5

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	64QAM	1	0	14.29	14.52	14.57	15.5
		1	25	14.18	14.1	14.32	15.5
		1	49	14.37	14.41	14.4	15.5
		25	0	14.39	14.38	14.4	15.5
		25	13	14.39	14.54	14.34	15.5
		25	25	14.51	14.54	14.3	15.5
		50	0	14.25	14.44	14.3	15.5

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LTE Band 17 Receiver on(Right head) + hotspot 5G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	14.87	14.95	14.95	16
		1	13	14.83	15.01	14.98	16
		1	24	15.03	14.85	14.94	16
		12	0	15.06	14.96	14.98	16
		12	6	14.99	14.98	14.92	16
		12	13	14.97	15.05	15.03	16
		25	0	14.86	14.92	14.95	16
	16QAM	1	0	15.29	15.52	15.2	16
		1	13	15.22	15.39	15.37	16
		1	24	15.19	15.19	15.1	16
		12	0	15.02	14.95	14.82	16
		12	6	14.95	14.72	14.78	16
		12	13	14.92	14.85	15.08	16
		25	0	14.87	14.88	14.97	16
	64QAM	1	0	14.72	14.73	14.82	16
		1	13	14.64	14.6	14.74	16
		1	24	14.79	14.84	14.87	16
		12	0	14.83	14.86	14.86	16
		12	6	14.84	14.87	14.76	16
		12	13	14.93	15.03	14.77	16
		25	0	14.77	14.86	14.83	16
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	14.75	14.84	14.87	16
		1	25	14.39	14.84	14.13	16
		1	49	15.03	15.11	15.21	16
		25	0	14.89	14.87	14.99	16
		25	13	14.94	15.03	14.94	16
		25	25	15.08	15.06	15.07	16
		50	0	15	15	14.96	16
	16QAM	1	0	15.04	15.32	15.12	16
		1	25	15.01	14.42	14.5	16
		1	49	15.4	15.6	15.58	16
		25	0	14.79	14.88	14.79	16
		25	13	14.73	14.89	14.98	16
		25	25	14.94	14.99	14.98	16
		50	0	14.9	14.89	14.74	16

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	64QAM	1	0	14.72	14.67	14.78	16
		1	25	14.55	14.53	14.79	16
		1	49	14.8	14.85	14.86	16
		25	0	14.85	14.86	14.85	16
		25	13	14.83	14.92	14.76	16
		25	25	14.9	15.02	14.74	16
		50	0	14.77	14.92	14.77	16

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LTE Band 17 Receiver on(Left head) + BT				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	17.4	17.37	17.47	18.5
		1	13	17.51	17.4	17.45	18.5
		1	24	17.43	17.4	17.47	18.5
		12	0	17.46	17.48	17.54	18.5
		12	6	17.48	17.46	17.41	18.5
		12	13	17.46	17.52	17.6	18.5
		25	0	17.42	17.46	17.54	18.5
	16QAM	1	0	17.14	17.39	17.73	18.5
		1	13	17.67	17.97	17.86	18.5
		1	24	17.31	17.77	18.12	18.5
		12	0	17.48	17.35	17.4	18.5
		12	6	17.44	17.32	17.42	18.5
		12	13	17.43	17.62	17.53	18.5
		25	0	17.53	17.45	17.37	18.5
	64QAM	1	0	17.12	17.22	17.23	18.5
		1	13	17.1	17.02	17.1	18.5
		1	24	17.22	17.25	17.27	18.5
		12	0	17.2	17.24	17.28	18.5
		12	6	17.23	17.28	17.16	18.5
		12	13	17.4	17.49	17.22	18.5
		25	0	17.19	17.31	17.24	18.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	17.41	17.36	17.28	18.5
		1	25	17.15	16.76	17.51	18.5
		1	49	17.58	17.39	17.58	18.5
		25	0	17.33	17.43	17.48	18.5
		25	13	17.45	17.47	17.5	18.5
		25	25	17.5	17.49	17.49	18.5
		50	0	17.45	17.56	17.55	18.5
	16QAM	1	0	17.76	17.76	17.76	18.5
		1	25	18.17	17.09	17.45	18.5
		1	49	17.91	17.54	17.42	18.5
		25	0	17.27	17.4	17.44	18.5
		25	13	17.43	17.38	17.4	18.5
		25	25	17.47	17.51	17.58	18.5
		50	0	17.5	17.36	17.4	18.5

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	64QAM	1	0	17.15	17.22	17.22	18.5
		1	25	17.12	16.99	17.21	18.5
		1	49	17.17	17.26	17.3	18.5
		25	0	17.3	17.23	17.25	18.5
		25	13	17.25	17.35	17.19	18.5
		25	25	17.33	17.41	17.15	18.5
		50	0	17.2	17.36	17.28	18.5

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LTE Band 17 Receiver on(Right head) + BT				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	17.89	17.82	18.05	19
		1	13	18.02	17.85	17.96	19
		1	24	17.84	18.06	17.97	19
		12	0	17.99	18.01	18.03	19
		12	6	17.96	17.98	18.06	19
		12	13	17.92	18.05	18.03	19
		25	0	17.9	17.95	17.94	19
	16QAM	1	0	18.62	18.24	17.79	19
		1	13	18.79	18.16	18.4	19
		1	24	18.23	17.88	18.42	19
		12	0	17.89	17.89	17.97	19
		12	6	17.84	17.91	17.98	19
		12	13	17.91	17.96	17.98	19
		25	0	18.04	17.88	18.14	19
	64QAM	1	0	17.65	17.62	17.71	19
		1	13	17.58	17.4	17.6	19
		1	24	17.64	17.74	17.78	19
		12	0	17.7	17.62	17.67	19
		12	6	17.71	17.77	17.59	19
		12	13	17.74	17.83	17.61	19
		25	0	17.66	17.8	17.74	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	17.91	17.91	17.87	19
		1	25	17.61	17.46	17.49	19
		1	49	17.96	17.97	18.16	19
		25	0	17.93	17.89	17.95	19
		25	13	18.13	17.96	18.05	19
		25	25	17.96	17.99	17.97	19
		50	0	18.03	17.93	18.04	19
	16QAM	1	0	18.18	18.42	17.72	19
		1	25	17.95	18.19	17.14	19
		1	49	17.8	18.53	18.55	19
		25	0	17.89	17.83	17.8	19
		25	13	17.81	17.79	17.88	19
		25	25	18.13	17.96	17.92	19
		50	0	17.82	18.05	17.87	19

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	64QAM	1	0	17.62	17.69	17.7	19
		1	25	17.54	17.44	17.68	19
		1	49	17.62	17.66	17.8	19
		25	0	17.74	17.65	17.66	19
		25	13	17.71	17.83	17.68	19
		25	25	17.72	17.86	17.57	19
		50	0	17.63	17.84	17.71	19

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LTE Band 17 Receiver off + BT				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	20.87	20.79	20.93	22
		1	13	21.02	21.03	21.02	22
		1	24	20.99	20.83	20.96	22
		12	0	20.99	20.98	21.01	22
		12	6	21.07	21.09	20.94	22
		12	13	21.06	21.1	20.97	22
		25	0	20.84	20.99	20.98	22
	16QAM	1	0	21.35	20.89	21.13	22
		1	13	21.29	21.4	21.49	22
		1	24	21.29	21.02	21.39	22
		12	0	21	20.94	20.92	22
		12	6	21.01	20.93	20.73	22
		12	13	20.98	21.09	20.97	22
		25	0	20.92	20.81	20.84	22
	64QAM	1	0	20.58	20.61	20.59	22
		1	13	20.51	20.43	20.63	22
		1	24	20.61	20.58	20.76	22
		12	0	20.66	20.54	20.64	22
		12	6	20.6	20.72	20.58	22
		12	13	20.66	20.86	20.5	22
		25	0	20.55	20.78	20.61	22
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	21.01	20.9	21	22
		1	25	20.86	20.76	21.2	22
		1	49	20.99	21	21.15	22
		25	0	21.01	21.05	20.99	22
		25	13	21.02	21.1	20.96	22
		25	25	21.02	21.07	21	22
		50	0	21.03	21.06	21.04	22
	16QAM	1	0	21.07	21.22	20.86	22
		1	25	20.73	21.29	20.99	22
		1	49	21.28	21.21	21.58	22
		25	0	21.04	20.84	21.01	22
		25	13	20.92	20.91	20.88	22
		25	25	21.04	21.01	21.06	22
		50	0	20.97	21.03	20.92	22

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	64QAM	1	0	20.61	20.57	20.61	22
		1	25	20.43	20.38	20.65	22
		1	49	20.62	20.61	20.71	22
		25	0	20.71	20.61	20.65	22
		25	13	20.62	20.73	20.64	22
		25	25	20.67	20.77	20.53	22
		50	0	20.6	20.73	20.7	22

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LTE Band 17 Receiver on(Left head) + WiFi2.4G Ant1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 23755	Channel 23790	Channel 23825	Tune up
5MHz	QPSK	1	0	16.33	16.46	16.5	17.5
		1	13	16.39	16.49	16.38	17.5
		1	24	16.34	16.63	16.64	17.5
		12	0	16.52	16.47	16.54	17.5
		12	6	16.56	16.32	16.52	17.5
		12	13	16.49	16.51	16.54	17.5
		25	0	16.46	16.44	16.58	17.5
	16QAM	1	0	16.82	16.81	16.78	17.5
		1	13	16.72	16.97	17.02	17.5
		1	24	16.84	16.93	16.82	17.5
		12	0	16.42	16.39	16.65	17.5
		12	6	16.44	16.48	16.28	17.5
		12	13	16.44	16.47	16.56	17.5
		25	0	16.3	16.56	16.48	17.5
	64QAM	1	0	16.28	16.21	16.35	17.5
		1	13	15.67	16.44	15.79	17.5
		1	24	16.24	16.38	16.35	17.5
		12	0	16.39	16.36	16.14	17.5
		12	6	16.25	16.15	16.41	17.5
		12	13	16.31	16.4	16.46	17.5
		25	0	16.42	16.37	16.35	17.5
Bandwidth	Modulation	RB size	RB offset	Channel 23780	Channel 23790	Channel 23800	Tune up
10MHz	QPSK	1	0	16.34	16.27	16.38	17.5
		1	25	15.87	16.65	16.01	17.5
		1	49	16.45	16.59	16.48	17.5
		25	0	16.47	16.42	16.38	17.5
		25	13	16.37	16.29	16.52	17.5
		25	25	16.47	16.56	16.46	17.5
		50	0	16.44	16.44	16.48	17.5
	16QAM	1	0	16.84	16.63	16.69	17.5
		1	25	16.95	16.2	16.38	17.5
		1	49	17.03	17.17	16.9	17.5
		25	0	16.42	16.39	16.2	17.5
		25	13	16.48	16.28	16.46	17.5
		25	25	16.6	16.51	16.46	17.5
		50	0	16.43	16.42	16.37	17.5

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	64QAM	1	0	16.22	16.07	16.31	17.5
		1	25	15.79	16.63	15.93	17.5
		1	49	16.42	16.5	16.37	17.5
		25	0	16.43	16.18	16.13	17.5
		25	13	16.29	16.27	16.41	17.5
		25	25	16.4	16.35	16.32	17.5
		50	0	16.39	16.35	16.31	17.5

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LTE Band 17 Receiver on(Right head) + WiFi2.4G Ant1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	16.87	16.79	17	18
		1	13	16.97	16.91	16.99	18
		1	24	17.04	17.03	17.26	18
		12	0	16.89	16.99	16.98	18
		12	6	17.07	16.9	17	18
		12	13	17	17.1	17.12	18
		25	0	16.98	17.03	17.04	18
	16QAM	1	0	17.05	17.38	17.31	18
		1	13	17.39	16.59	17.46	18
		1	24	17.54	17.38	17.46	18
		12	0	16.94	16.92	17.05	18
		12	6	16.79	16.91	16.94	18
		12	13	16.94	16.95	17.06	18
		25	0	16.8	16.97	16.98	18
	64QAM	1	0	16.65	16.52	16.71	18
		1	13	16.24	17.07	16.36	18
		1	24	16.87	16.92	16.79	18
		12	0	16.92	16.66	16.61	18
		12	6	16.73	16.75	16.88	18
		12	13	16.87	16.77	16.76	18
		25	0	16.85	16.81	16.73	18
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	16.78	16.92	17.05	18
		1	25	16.62	17.26	16.45	18
		1	49	16.96	17.1	17.06	18
		25	0	16.97	16.86	16.77	18
		25	13	17.05	17.04	16.96	18
		25	25	17.02	17.15	17.13	18
		50	0	16.95	17	17.01	18
	16QAM	1	0	17.24	17.07	17.29	18
		1	25	17.81	16.97	17.3	18
		1	49	17.46	17.3	17.04	18
		25	0	16.88	16.77	16.71	18
		25	13	16.83	16.86	16.91	18
		25	25	16.85	16.93	17.09	18
		50	0	16.84	16.82	16.98	18

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	64QAM	1	0	16.7	16.54	16.79	18
		1	25	16.19	17.09	16.4	18
		1	49	16.89	16.93	16.81	18
		25	0	16.9	16.65	16.6	18
		25	13	16.71	16.73	16.87	18
		25	25	16.86	16.85	16.77	18
		50	0	16.84	16.83	16.74	18

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LTE Band 17 Receiver off + WiFi2.4G Ant1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	19.98	19.95	19.9	21
		1	13	20.04	20	19.93	21
		1	24	19.88	19.92	20	21
		12	0	19.97	19.89	20.01	21
		12	6	20.06	19.84	19.96	21
		12	13	20.03	20.12	20.02	21
		25	0	19.92	19.96	20.06	21
	16QAM	1	0	20.09	20.43	20.01	21
		1	13	20.17	20.37	20.38	21
		1	24	20.25	20.37	20.6	21
		12	0	20	19.99	20.02	21
		12	6	19.97	19.93	19.98	21
		12	13	19.9	19.9	20.05	21
		25	0	19.9	19.9	19.97	21
	64QAM	1	0	19.7	19.49	19.76	21
		1	13	19.14	19.98	19.33	21
		1	24	19.8	19.84	19.71	21
		12	0	19.8	19.55	19.51	21
		12	6	19.69	19.61	19.79	21
		12	13	19.78	19.75	19.68	21
		25	0	19.81	19.72	19.7	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	19.95	19.91	19.93	21
		1	25	19.64	19.37	19.72	21
		1	49	19.91	19.96	20.07	21
		25	0	19.94	20	19.88	21
		25	13	19.95	19.79	19.94	21
		25	25	20.06	20.01	19.97	21
		50	0	19.96	19.99	19.95	21
	16QAM	1	0	20.57	20.17	20.08	21
		1	25	19.66	19.37	19.6	21
		1	49	20.41	20.18	20.43	21
		25	0	19.8	19.85	19.9	21
		25	13	19.85	19.93	19.91	21
		25	25	19.98	20.05	20.05	21
		50	0	19.91	19.96	20.01	21

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	64QAM	1	0	19.68	19.47	19.7	21
		1	25	19.1	20.08	19.4	21
		1	49	19.78	19.89	19.77	21
		25	0	19.83	19.56	19.57	21
		25	13	19.65	19.69	19.86	21
		25	25	19.78	19.77	19.77	21
		50	0	19.8	19.8	19.67	21

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LTE Band 17 Receiver on(Left head) + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	14.33	14.36	14.45	15.5
		1	13	14.25	14.38	14.53	15.5
		1	24	14.4	14.55	14.68	15.5
		12	0	14.45	14.49	14.49	15.5
		12	6	14.42	14.51	14.39	15.5
		12	13	14.53	14.54	14.48	15.5
		25	0	14.4	14.4	14.47	15.5
	16QAM	1	0	14.79	14.55	14.86	15.5
		1	13	14.82	14.65	14.99	15.5
		1	24	14.11	14.2	15.07	15.5
		12	0	14.51	14.32	14.58	15.5
		12	6	14.4	14.16	14.48	15.5
		12	13	14.42	14.45	14.65	15.5
		25	0	14.32	14.28	14.38	15.5
	64QAM	1	0	14.38	14.19	14.46	15.5
		1	13	13.82	14.85	14.14	15.5
		1	24	14.56	14.64	14.56	15.5
		12	0	14.59	14.27	14.37	15.5
		12	6	14.41	14.39	14.6	15.5
		12	13	14.46	14.49	14.45	15.5
		25	0	14.52	14.54	14.37	15.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	14.51	14.54	14.61	15.5
		1	25	14.5	14.07	14.46	15.5
		1	49	14.43	14.32	14.31	15.5
		25	0	14.32	14.36	14.34	15.5
		25	13	14.34	14.61	14.4	15.5
		25	25	14.45	14.54	14.42	15.5
		50	0	14.44	14.5	14.49	15.5
	16QAM	1	0	14.55	14.03	14.63	15.5
		1	25	14.07	14.38	14.15	15.5
		1	49	14.99	14.9	15.1	15.5
		25	0	14.44	14.33	14.26	15.5
		25	13	14.41	14.36	14.44	15.5
		25	25	14.57	14.43	14.58	15.5
		50	0	14.35	14.41	14.45	15.5

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	64QAM	1	0	14.38	14.19	14.38	15.5
		1	25	13.9	14.77	14.14	15.5
		1	49	14.55	14.66	14.5	15.5
		25	0	14.52	14.33	14.36	15.5
		25	13	14.41	14.44	14.6	15.5
		25	25	14.52	14.49	14.55	15.5
		50	0	14.57	14.56	14.45	15.5

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LTE Band 17 Receiver on(Right head) + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	14.82	14.74	14.84	16
		1	13	15.07	14.93	15.22	16
		1	24	15.01	15.01	15.1	16
		12	0	14.87	14.96	15.13	16
		12	6	15.02	15.01	15.04	16
		12	13	14.94	15.1	15.09	16
		25	0	14.91	14.9	15.07	16
	16QAM	1	0	15.23	14.93	14.88	16
		1	13	15.43	15.14	15.02	16
		1	24	15.21	15.41	15.32	16
		12	0	14.88	15.05	15.09	16
		12	6	15.05	15.09	14.97	16
		12	13	14.83	14.95	15.04	16
		25	0	14.67	14.88	14.84	16
	64QAM	1	0	14.77	14.58	14.83	16
		1	13	14.3	15.16	14.6	16
		1	24	14.96	15.09	14.98	16
		12	0	14.93	14.74	14.84	16
		12	6	14.8	14.86	15.01	16
		12	13	14.95	14.87	14.95	16
		25	0	15.06	15.03	14.93	16
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	15.04	15.07	15.05	16
		1	25	14.87	14.14	14.98	16
		1	49	14.73	14.73	14.8	16
		25	0	14.91	14.91	14.93	16
		25	13	15.02	14.94	15.07	16
		25	25	15.03	15	15.03	16
		50	0	14.85	15.04	15.05	16
	16QAM	1	0	15.31	14.9	15.26	16
		1	25	14.35	15.36	14.86	16
		1	49	15.48	14.71	15.54	16
		25	0	14.86	14.86	14.84	16
		25	13	14.95	14.87	14.98	16
		25	25	15.09	15.11	14.96	16
		50	0	14.81	14.82	14.85	16

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	64QAM	1	0	14.82	14.61	14.86	16
		1	25	14.33	15.25	14.54	16
		1	49	14.96	15.04	14.94	16
		25	0	14.9	14.74	14.77	16
		25	13	14.87	14.85	15.08	16
		25	25	14.96	14.96	15.03	16
		50	0	14.95	14.95	14.86	16

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LTE Band 17 Receiver off + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	17.95	17.95	17.85	19
		1	13	17.86	17.93	18.23	19
		1	24	17.91	17.97	18.11	19
		12	0	18	17.99	18.02	19
		12	6	17.87	17.99	18.04	19
		12	13	17.99	18.04	18	19
		25	0	17.95	18.01	17.94	19
	16QAM	1	0	17.6	18.66	18.44	19
		1	13	18.47	18.29	18.39	19
		1	24	18.33	17.95	18.5	19
		12	0	18.03	17.93	17.97	19
		12	6	17.97	17.88	17.87	19
		12	13	17.9	18.06	18	19
		25	0	17.92	18.05	18.08	19
	64QAM	1	0	17.64	17.54	17.81	19
		1	13	17.28	18.07	17.43	19
		1	24	17.85	17.88	17.84	19
		12	0	17.79	17.59	17.75	19
		12	6	17.84	17.71	18.05	19
		12	13	17.77	17.82	18.01	19
		25	0	17.79	17.8	17.8	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	17.82	17.88	17.84	19
		1	25	17.94	18.09	18.05	19
		1	49	17.86	17.99	18.11	19
		25	0	17.89	17.95	17.93	19
		25	13	17.86	17.91	17.9	19
		25	25	18.08	18.11	18.09	19
		50	0	17.89	18.04	18.03	19
	16QAM	1	0	18.36	18.13	17.71	19
		1	25	18.27	18.26	18.63	19
		1	49	18.2	18.29	18.37	19
		25	0	17.96	17.98	17.74	19
		25	13	17.93	17.82	17.95	19
		25	25	18.04	18.11	17.89	19
		50	0	17.77	17.99	17.91	19

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	64QAM	1	0	17.63	17.54	17.83	19
		1	25	17.26	18.11	17.37	19
		1	49	17.79	17.93	17.84	19
		25	0	17.72	17.57	17.64	19
		25	13	17.78	17.78	17.96	19
		25	25	17.9	17.87	17.97	19
		50	0	17.93	17.9	17.8	19

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LTE Band 17 Receiver on(Left head) + BT + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 23755	Channel 23790	Channel 23825	Tune up
5MHz	QPSK	1	0	14.33	14.36	14.45	15.5
		1	13	14.25	14.38	14.53	15.5
		1	24	14.4	14.55	14.68	15.5
		12	0	14.45	14.49	14.49	15.5
		12	6	14.42	14.51	14.39	15.5
		12	13	14.53	14.54	14.48	15.5
		25	0	14.4	14.4	14.47	15.5
	16QAM	1	0	14.79	14.55	14.86	15.5
		1	13	14.82	14.65	14.99	15.5
		1	24	14.11	14.2	15.07	15.5
		12	0	14.51	14.32	14.58	15.5
		12	6	14.4	14.16	14.48	15.5
		12	13	14.42	14.45	14.65	15.5
		25	0	14.32	14.28	14.38	15.5
	64QAM	1	0	14.38	14.19	14.46	15.5
		1	13	13.82	14.85	14.14	15.5
		1	24	14.56	14.64	14.56	15.5
		12	0	14.59	14.27	14.37	15.5
		12	6	14.41	14.39	14.6	15.5
		12	13	14.46	14.49	14.45	15.5
		25	0	14.52	14.54	14.37	15.5
Bandwidth	Modulation	RB size	RB offset	Channel 23780	Channel 23790	Channel 23800	Tune up
10MHz	QPSK	1	0	14.51	14.54	14.61	15.5
		1	25	14.5	14.07	14.46	15.5
		1	49	14.43	14.32	14.31	15.5
		25	0	14.32	14.36	14.34	15.5
		25	13	14.34	14.61	14.4	15.5
		25	25	14.45	14.54	14.42	15.5
		50	0	14.44	14.5	14.49	15.5
	16QAM	1	0	14.55	14.03	14.63	15.5
		1	25	14.07	14.38	14.15	15.5
		1	49	14.99	14.9	15.1	15.5
		25	0	14.44	14.33	14.26	15.5
		25	13	14.41	14.36	14.44	15.5
		25	25	14.57	14.43	14.58	15.5
		50	0	14.35	14.41	14.45	15.5

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	64QAM	1	0	14.38	14.19	14.38	15.5
		1	25	13.9	14.77	14.14	15.5
		1	49	14.55	14.66	14.5	15.5
		25	0	14.52	14.33	14.36	15.5
		25	13	14.41	14.44	14.6	15.5
		25	25	14.52	14.49	14.55	15.5
		50	0	14.57	14.56	14.45	15.5

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Bandwidth	Modulation	RB size	RB offset	Channel 23755	Channel 23790	Channel 23825	Tune up
5MHz	QPSK	1	0	14.82	14.74	14.84	16
		1	13	15.07	14.93	15.22	16
		1	24	15.01	15.01	15.1	16
		12	0	14.87	14.96	15.13	16
		12	6	15.02	15.01	15.04	16
		12	13	14.94	15.1	15.09	16
		25	0	14.91	14.9	15.07	16
	16QAM	1	0	15.23	14.93	14.88	16
		1	13	15.43	15.14	15.02	16
		1	24	15.21	15.41	15.32	16
		12	0	14.88	15.05	15.09	16
		12	6	15.05	15.09	14.97	16
		12	13	14.83	14.95	15.04	16
		25	0	14.67	14.88	14.84	16
	64QAM	1	0	14.77	14.58	14.83	16
		1	13	14.3	15.16	14.6	16
		1	24	14.96	15.09	14.98	16
		12	0	14.93	14.74	14.84	16
		12	6	14.8	14.86	15.01	16
		12	13	14.95	14.87	14.95	16
		25	0	15.06	15.03	14.93	16
Bandwidth	Modulation	RB size	RB offset	Channel 23780	Channel 23790	Channel 23800	Tune up
10MHz	QPSK	1	0	15.04	15.07	15.05	16
		1	25	14.87	14.14	14.98	16
		1	49	14.73	14.73	14.8	16
		25	0	14.91	14.91	14.93	16
		25	13	15.02	14.94	15.07	16
		25	25	15.03	15	15.03	16
		50	0	14.85	15.04	15.05	16
	16QAM	1	0	15.31	14.9	15.26	16
		1	25	14.35	15.36	14.86	16
		1	49	15.48	14.71	15.54	16
		25	0	14.86	14.86	14.84	16
		25	13	14.95	14.87	14.98	16
		25	25	15.09	15.11	14.96	16
		50	0	14.81	14.82	14.85	16

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	64QAM	1	0	14.82	14.61	14.86	16
		1	25	14.33	15.25	14.54	16
		1	49	14.96	15.04	14.94	16
		25	0	14.9	14.74	14.77	16
		25	13	14.87	14.85	15.08	16
		25	25	14.96	14.96	15.03	16
		50	0	14.95	14.95	14.86	16

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	17.95	17.95	17.85	19
		1	13	17.86	17.93	18.23	19
		1	24	17.91	17.97	18.11	19
		12	0	18	17.99	18.02	19
		12	6	17.87	17.99	18.04	19
		12	13	17.99	18.04	18	19
		25	0	17.95	18.01	17.94	19
	16QAM	1	0	17.6	18.66	18.44	19
		1	13	18.47	18.29	18.39	19
		1	24	18.33	17.95	18.5	19
		12	0	18.03	17.93	17.97	19
		12	6	17.97	17.88	17.87	19
		12	13	17.9	18.06	18	19
		25	0	17.92	18.05	18.08	19
	64QAM	1	0	17.64	17.54	17.81	19
		1	13	17.28	18.07	17.43	19
		1	24	17.85	17.88	17.84	19
		12	0	17.79	17.59	17.75	19
		12	6	17.84	17.71	18.05	19
		12	13	17.77	17.82	18.01	19
		25	0	17.79	17.8	17.8	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	17.82	17.88	17.84	19
		1	25	17.94	18.09	18.05	19
		1	49	17.86	17.99	18.11	19
		25	0	17.89	17.95	17.93	19
		25	13	17.86	17.91	17.9	19
		25	25	18.08	18.11	18.09	19
		50	0	17.89	18.04	18.03	19
	16QAM	1	0	18.36	18.13	17.71	19
		1	25	18.27	18.26	18.63	19
		1	49	18.2	18.29	18.37	19
		25	0	17.96	17.98	17.74	19
		25	13	17.93	17.82	17.95	19
		25	25	18.04	18.11	17.89	19
		50	0	17.77	17.99	17.91	19

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	64QAM	1	0	17.63	17.54	17.83	19
		1	25	17.26	18.11	17.37	19
		1	49	17.79	17.93	17.84	19
		25	0	17.72	17.57	17.64	19
		25	13	17.78	17.78	17.96	19
		25	25	17.9	17.87	17.97	19
		50	0	17.93	17.9	17.8	19

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LTE Band 17 Receiver on(Left head) + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 23755	Channel 23790	Channel 23825	Tune up
5MHz	QPSK	1	0	16.33	16.46	16.5	17.5
		1	13	16.39	16.49	16.38	17.5
		1	24	16.34	16.63	16.64	17.5
		12	0	16.52	16.47	16.54	17.5
		12	6	16.56	16.32	16.52	17.5
		12	13	16.49	16.51	16.54	17.5
		25	0	16.46	16.44	16.58	17.5
	16QAM	1	0	16.82	16.81	16.78	17.5
		1	13	16.72	16.97	17.02	17.5
		1	24	16.84	16.93	16.82	17.5
		12	0	16.42	16.39	16.65	17.5
		12	6	16.44	16.48	16.28	17.5
		12	13	16.44	16.47	16.56	17.5
		25	0	16.3	16.56	16.48	17.5
	64QAM	1	0	16.28	16.21	16.35	17.5
		1	13	15.67	16.44	15.79	17.5
		1	24	16.24	16.38	16.35	17.5
		12	0	16.39	16.36	16.14	17.5
		12	6	16.25	16.15	16.41	17.5
		12	13	16.31	16.4	16.46	17.5
		25	0	16.42	16.37	16.35	17.5
Bandwidth	Modulation	RB size	RB offset	Channel 23780	Channel 23790	Channel 23800	Tune up
10MHz	QPSK	1	0	16.34	16.27	16.38	17.5
		1	25	15.87	16.65	16.01	17.5
		1	49	16.45	16.59	16.48	17.5
		25	0	16.47	16.42	16.38	17.5
		25	13	16.37	16.29	16.52	17.5
		25	25	16.47	16.56	16.46	17.5
		50	0	16.44	16.44	16.48	17.5
	16QAM	1	0	16.84	16.63	16.69	17.5
		1	25	16.95	16.2	16.38	17.5
		1	49	17.03	17.17	16.9	17.5
		25	0	16.42	16.39	16.2	17.5
		25	13	16.48	16.28	16.46	17.5
		25	25	16.6	16.51	16.46	17.5
		50	0	16.43	16.42	16.37	17.5

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	64QAM	1	0	16.22	16.07	16.31	17.5
		1	25	15.79	16.63	15.93	17.5
		1	49	16.42	16.5	16.37	17.5
		25	0	16.43	16.18	16.13	17.5
		25	13	16.29	16.27	16.41	17.5
		25	25	16.4	16.35	16.32	17.5
		50	0	16.39	16.35	16.31	17.5

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LTE Band 17 Receiver on(Right head) + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 23755	Channel 23790	Channel 23825	Tune up
5MHz	QPSK	1	0	16.87	16.79	17	18
		1	13	16.97	16.91	16.99	18
		1	24	17.04	17.03	17.26	18
		12	0	16.89	16.99	16.98	18
		12	6	17.07	16.9	17	18
		12	13	17	17.1	17.12	18
		25	0	16.98	17.03	17.04	18
	16QAM	1	0	17.05	17.38	17.31	18
		1	13	17.39	16.59	17.46	18
		1	24	17.54	17.38	17.46	18
		12	0	16.94	16.92	17.05	18
		12	6	16.79	16.91	16.94	18
		12	13	16.94	16.95	17.06	18
		25	0	16.8	16.97	16.98	18
	64QAM	1	0	16.65	16.52	16.71	18
		1	13	16.24	17.07	16.36	18
		1	24	16.87	16.92	16.79	18
		12	0	16.92	16.66	16.61	18
		12	6	16.73	16.75	16.88	18
		12	13	16.87	16.77	16.76	18
		25	0	16.85	16.81	16.73	18
Bandwidth	Modulation	RB size	RB offset	Channel 23780	Channel 23790	Channel 23800	Tune up
10MHz	QPSK	1	0	16.78	16.92	17.05	18
		1	25	16.62	17.26	16.45	18
		1	49	16.96	17.1	17.06	18
		25	0	16.97	16.86	16.77	18
		25	13	17.05	17.04	16.96	18
		25	25	17.02	17.15	17.13	18
		50	0	16.95	17	17.01	18
	16QAM	1	0	17.24	17.07	17.29	18
		1	25	17.81	16.97	17.3	18
		1	49	17.46	17.3	17.04	18
		25	0	16.88	16.77	16.71	18
		25	13	16.83	16.86	16.91	18
		25	25	16.85	16.93	17.09	18
		50	0	16.84	16.82	16.98	18

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	64QAM	1	0	16.7	16.54	16.79	18
		1	25	16.19	17.09	16.4	18
		1	49	16.89	16.93	16.81	18
		25	0	16.9	16.65	16.6	18
		25	13	16.71	16.73	16.87	18
		25	25	16.86	16.85	16.77	18
		50	0	16.84	16.83	16.74	18

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LTE Band 17 Receiver off + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	19.98	19.95	19.9	21
		1	13	20.04	20	19.93	21
		1	24	19.88	19.92	20	21
		12	0	19.97	19.89	20.01	21
		12	6	20.06	19.84	19.96	21
		12	13	20.03	20.12	20.02	21
		25	0	19.92	19.96	20.06	21
	16QAM	1	0	20.09	20.43	20.01	21
		1	13	20.17	20.37	20.38	21
		1	24	20.25	20.37	20.6	21
		12	0	20	19.99	20.02	21
		12	6	19.97	19.93	19.98	21
		12	13	19.9	19.9	20.05	21
		25	0	19.9	19.9	19.97	21
	64QAM	1	0	19.7	19.49	19.76	21
		1	13	19.14	19.98	19.33	21
		1	24	19.8	19.84	19.71	21
		12	0	19.8	19.55	19.51	21
		12	6	19.69	19.61	19.79	21
		12	13	19.78	19.75	19.68	21
		25	0	19.81	19.72	19.7	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	19.95	19.91	19.93	21
		1	25	19.64	19.37	19.72	21
		1	49	19.91	19.96	20.07	21
		25	0	19.94	20	19.88	21
		25	13	19.95	19.79	19.94	21
		25	25	20.06	20.01	19.97	21
		50	0	19.96	19.99	19.95	21
	16QAM	1	0	20.57	20.17	20.08	21
		1	25	19.66	19.37	19.6	21
		1	49	20.41	20.18	20.43	21
		25	0	19.8	19.85	19.9	21
		25	13	19.85	19.93	19.91	21
		25	25	19.98	20.05	20.05	21
		50	0	19.91	19.96	20.01	21

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	64QAM	1	0	19.68	19.47	19.7	21
		1	25	19.1	20.08	19.4	21
		1	49	19.78	19.89	19.77	21
		25	0	19.83	19.56	19.57	21
		25	13	19.65	19.69	19.86	21
		25	25	19.78	19.77	19.77	21
		50	0	19.8	19.8	19.67	21

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LTE Band 26 Receiver on(Left head)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	18.72	18.64	18.52	19.5
		1	2	18.31	18.2	17.88	19.5
		1	5	18.7	18.6	18.55	19.5
		3	0	18.54	18.5	18.42	19.5
		3	2	18.63	18.41	18.51	19.5
		3	3	18.59	18.47	18.47	19.5
		6	0	18.44	18.49	18.47	19.5
	16QAM	1	0	18.98	18.96	18.78	19.5
		1	2	18.66	18.62	18.6	19.5
		1	5	18.99	18.88	18.78	19.5
		3	0	18.59	18.7	18.55	19.5
		3	2	18.52	18.32	18.43	19.5
		3	3	18.73	18.68	18.51	19.5
		6	0	18.55	18.6	18.44	19.5
	64QAM	1	0	18.74	18.64	18.6	19.5
		1	2	18.84	18.67	18.74	19.5
		1	5	18.79	18.7	18.62	19.5
		3	0	18.62	18.5	18.45	19.5
		3	2	18.43	18.57	18.47	19.5
		3	3	18.53	18.46	18.44	19.5
		6	0	18.46	18.44	18.39	19.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	18.71	18.7	18.57	19.5
		1	7	18.47	18.44	18.19	19.5
		1	14	18.73	18.69	18.53	19.5
		8	0	18.65	18.59	18.48	19.5
		8	4	18.63	18.58	18.48	19.5
		8	7	18.65	18.59	18.45	19.5
		15	0	18.7	18.59	18.55	19.5
	16QAM	1	0	18.9	18.9	18.86	19.5
		1	7	18.88	18.7	18.5	19.5
		1	14	18.96	18.84	18.74	19.5
		8	0	18.63	18.56	18.45	19.5
		8	4	18.62	18.58	18.51	19.5
		8	7	18.68	18.51	18.47	19.5
		15	0	18.6	18.57	18.54	19.5
	64QAM	1	0	18.73	18.73	18.64	19.5
		1	7	18.77	18.75	18.82	19.5
		1	14	18.84	18.74	18.63	19.5
		8	0	18.59	18.43	18.43	19.5

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		8	4	18.43	18.57	18.44	19.5
		8	7	18.57	18.53	18.4	19.5
		15	0	18.48	18.43	18.37	19.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	18.7	18.66	18.58	19.5
		1	13	18.74	18.66	18.57	19.5
		1	24	18.64	18.64	18.57	19.5
		12	0	18.76	18.66	18.6	19.5
		12	6	18.66	18.58	18.56	19.5
		12	13	18.78	18.68	18.59	19.5
		25	0	18.69	18.67	18.53	19.5
	16QAM	1	0	18.96	18.93	18.8	19.5
		1	13	18.97	18.87	18.89	19.5
		1	24	18.92	18.89	18.82	19.5
		12	0	18.74	18.66	18.57	19.5
		12	6	18.66	18.57	18.53	19.5
		12	13	18.76	18.64	18.52	19.5
		25	0	18.66	18.62	18.51	19.5
	64QAM	1	0	18.78	18.69	18.62	19.5
		1	13	18.84	18.73	18.8	19.5
		1	24	18.76	18.75	18.67	19.5
		12	0	18.58	18.44	18.46	19.5
		12	6	18.4	18.5	18.48	19.5
		12	13	18.53	18.48	18.41	19.5
		25	0	18.44	18.41	18.38	19.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26750	26865	26990	
10MHz	QPSK	1	0	18.67	18.66	18.59	19.5
		1	25	18.68	18.53	18.51	19.5
		1	49	18.71	18.67	18.56	19.5
		25	0	18.77	18.64	18.59	19.5
		25	13	18.7	18.67	18.54	19.5
		25	25	18.69	18.64	18.59	19.5
		50	0	18.69	18.66	18.58	19.5
	16QAM	1	0	18.98	18.88	18.83	19.5
		1	25	18.84	18.47	18.59	19.5
		1	49	18.9	18.88	18.82	19.5
		25	0	18.7	18.57	18.5	19.5
		25	13	18.68	18.62	18.54	19.5
		25	25	18.64	18.6	18.56	19.5
		50	0	18.58	18.62	18.5	19.5
	64QAM	1	0	18.8	18.66	18.56	19.5
		1	25	18.77	18.73	18.83	19.5
		1	49	18.76	18.66	18.65	19.5
		25	0	18.59	18.51	18.41	19.5
		25	13	18.43	18.56	18.5	19.5

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		25	25	18.54	18.44	18.44	19.5
		50	0	18.51	18.45	18.38	19.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26775	26865	26965	
15MHz	QPSK	1	0	18.66	18.59	18.61	19.5
		1	38	18.65	18.63	18.63	19.5
		1	74	18.65	18.6	18.51	19.5
		36	0	18.78	18.66	18.67	19.5
		36	18	18.73	18.67	18.58	19.5
		36	39	18.74	18.69	18.62	19.5
		75	0	18.7	18.66	18.64	19.5
	16QAM	1	0	18.88	18.89	18.89	19.5
		1	38	18.96	18.95	18.88	19.5
		1	74	18.85	18.84	18.8	19.5
		36	0	18.71	18.58	18.57	19.5
		36	18	18.67	18.64	18.59	19.5
		36	39	18.65	18.64	18.57	19.5
		75	0	18.65	18.63	18.56	19.5
	64QAM	1	0	18.77	18.72	18.55	19.5
		1	38	18.83	18.76	18.79	19.5
		1	74	18.77	18.69	18.66	19.5
		36	0	18.53	18.43	18.43	19.5
		36	18	18.46	18.52	18.42	19.5
		36	39	18.57	18.52	18.39	19.5
		75	0	18.47	18.49	18.36	19.5

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LTE Band 26 Receiver on(Right head)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	19.19	19.11	19.02	20
		1	2	19	18.81	18.68	20
		1	5	19.22	19.1	19.03	20
		3	0	19	19.05	18.94	20
		3	2	18.95	18.92	18.88	20
		3	3	19.08	19.05	18.92	20
		6	0	19.08	19.12	18.9	20
	16QAM	1	0	19.49	19.35	19.26	20
		1	2	19.12	19.13	18.89	20
		1	5	19.42	19.32	19.25	20
		3	0	19.15	19.18	19.01	20
		3	2	19.05	18.9	18.78	20
		3	3	19.12	19.06	18.97	20
		6	0	19.14	19.04	18.96	20
	64QAM	1	0	19.34	19.18	19.19	20
		1	2	19.36	19.27	19.24	20
		1	5	19.28	19.18	19.19	20
		3	0	19.08	19.11	18.89	20
		3	2	18.96	19	18.94	20
		3	3	19.11	18.95	19.01	20
		6	0	18.93	19.05	18.88	20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	19.18	19.07	19.02	20
		1	7	18.73	18.34	18.27	20
		1	14	19.21	19.14	19.03	20
		8	0	19.18	19.12	18.99	20
		8	4	19.19	19.11	19.04	20
		8	7	19.15	19.1	19.02	20
		15	0	19.18	19.15	19.04	20
	16QAM	1	0	19.46	19.35	19.25	20
		1	7	18.86	19.17	19.02	20
		1	14	19.49	19.41	19.33	20
		8	0	19.1	19.04	19.02	20
		8	4	19.11	18.95	18.98	20
		8	7	19.09	19.07	19.05	20
		15	0	19.15	19.05	18.97	20
	64QAM	1	0	19.37	19.23	19.21	20
		1	7	19.36	19.31	19.33	20
		1	14	19.31	19.27	19.25	20
		8	0	19.11	19.13	18.98	20

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		8	4	19.03	19.05	18.97	20
		8	7	19.17	18.97	19.04	20
		15	0	18.99	19.06	18.95	20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	19.17	19.16	19.06	20
		1	13	19.2	19.11	19.04	20
		1	24	19.17	19.11	19.06	20
		12	0	19.26	19.17	19.13	20
		12	6	19.15	19.1	19.01	20
		12	13	19.21	19.16	19.08	20
		25	0	19.18	19.11	19.05	20
	16QAM	1	0	19.6	19.33	19.34	20
		1	13	19.47	19.42	19.32	20
		1	24	19.46	19.28	19.33	20
		12	0	19.23	19.15	19.07	20
		12	6	19.13	19.04	18.97	20
		12	13	19.2	19.17	18.99	20
		25	0	19.13	19.04	18.95	20
	64QAM	1	0	19.26	19.28	19.15	20
		1	13	19.31	19.27	19.25	20
		1	24	19.36	19.23	19.2	20
		12	0	19.08	19.1	19.04	20
		12	6	18.99	19.05	18.96	20
		12	13	19.15	18.96	18.99	20
		25	0	19.02	18.99	18.96	20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26750	26865	26990	
10MHz	QPSK	1	0	19.14	19.09	19.08	20
		1	25	18.95	18.98	18.89	20
		1	49	19.12	19.09	18.99	20
		25	0	19.22	19.12	19.06	20
		25	13	19.17	19.12	19.08	20
		25	25	19.16	19.08	19.07	20
		50	0	19.18	19.13	19.1	20
	16QAM	1	0	19.39	19.29	19.35	20
		1	25	19.31	19.29	19.26	20
		1	49	19.47	19.48	19.35	20
		25	0	19.13	19.06	18.99	20
		25	13	19.14	19.03	18.99	20
		25	25	19.11	19.03	18.99	20
		50	0	19.06	19.06	19.01	20
	64QAM	1	0	19.33	19.29	19.21	20
		1	25	19.31	19.29	19.35	20
		1	49	19.28	19.28	19.31	20
		25	0	19.13	19.04	19.03	20
		25	13	19.06	19.1	19.01	20

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		25	25	19.16	19.02	18.96	20
		50	0	18.96	19.07	19	20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26775	26865	26965	
15MHz	QPSK	1	0	19.15	19.05	19.1	20
		1	38	19.15	19.11	19.05	20
		1	74	19.09	19.08	19.03	20
		36	0	19.19	19.17	19.1	20
		36	18	19.18	19.2	19.1	20
		36	39	19.16	19.13	19.12	20
		75	0	19.15	19.15	19.07	20
	16QAM	1	0	19.37	19.31	19.25	20
		1	38	19.42	19.38	19.35	20
		1	74	19.38	19.3	19.32	20
		36	0	19.13	19.13	19.06	20
		36	18	19.11	19.12	19.05	20
		36	39	19.17	19.06	19.05	20
		75	0	19.07	19.08	19.02	20
	64QAM	1	0	19.32	19.25	19.15	20
		1	38	19.34	19.27	19.35	20
		1	74	19.36	19.26	19.23	20
		36	0	19.12	19.03	19	20
		36	18	19	19.09	19.02	20
		36	39	19.07	19.03	18.97	20
		75	0	19.03	19.01	18.92	20

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LTE Band 26 Receiver off (Full Power)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	23.15	23.16	23.05	24
		1	2	23.23	23.04	23.06	24
		1	5	23.15	23.04	22.95	24
		3	0	22.16	22.15	22.08	24
		3	2	22.89	22.87	22.83	24
		3	3	23.04	22.92	22.81	24
		6	0	21.54	21.48	21.39	23
	16QAM	1	0	22.37	22.27	22.1	23
		1	2	22.4	22.28	22.26	23
		1	5	22.24	22.2	22.1	23
		3	0	20.55	20.48	20.41	23
		3	2	20.53	20.45	20.35	23
		3	3	20.59	20.48	20.38	23
		6	0	20.56	20.44	20.42	22
	64QAM	1	0	21.14	21.21	21.09	22
		1	2	21.35	21.25	21.2	22
		1	5	21.13	21.14	21.06	22
		3	0	21.08	21.16	21.03	22
		3	2	21.29	21.18	21.17	22
		3	3	21.08	21.1	21.03	22
		6	0	20.13	19.99	20.05	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	23.15	23.16	23.05	24
		1	7	23.23	23.04	23.06	24
		1	14	23.15	23.04	22.95	24
		8	0	21.57	21.51	21.48	23
		8	4	21.54	21.47	21.34	23
		8	7	21.59	21.52	21.44	23
		15	0	21.54	21.48	21.39	23
	16QAM	1	0	22.37	22.27	22.1	23
		1	7	22.4	22.28	22.26	23
		1	14	22.24	22.2	22.1	23
		8	0	20.55	20.48	20.41	22
		8	4	20.53	20.45	20.35	22
		8	7	20.59	20.48	20.38	22
		15	0	20.56	20.44	20.42	22
	64QAM	1	0	21.27	21.19	21.1	22
		1	7	21.4	21.24	21.28	22
		1	14	21.11	21.11	20.97	22
		8	0	20.25	20.17	20.04	21

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		8	4	20.08	20.04	20.02	21
		8	7	20.11	20.07	20.07	21
		15	0	20.14	20.09	20.04	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	23.15	23.16	23.05	24
		1	13	23.23	23.04	23.06	24
		1	24	23.15	23.04	22.95	24
		12	0	21.57	21.51	21.48	23
		12	6	21.54	21.47	21.34	23
		12	13	21.59	21.52	21.44	23
		25	0	21.54	21.48	21.39	23
	16QAM	1	0	22.37	22.27	22.1	23
		1	13	22.4	22.28	22.26	23
		1	24	22.24	22.2	22.1	23
		12	0	20.55	20.48	20.41	22
		12	6	20.53	20.45	20.35	22
		12	13	20.59	20.48	20.38	22
		25	0	20.56	20.44	20.42	22
	64QAM	1	0	21.25	21.28	21.15	22
		1	13	21.32	21.29	21.27	22
		1	24	21.15	21.03	20.98	22
		12	0	20.21	20.16	20.02	21
		12	6	20.15	20.11	19.95	21
		12	13	20.1	20.03	20.07	21
		25	0	20.09	20.02	19.95	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26750	26865	26990	
10MHz	QPSK	1	0	23.13	23.13	23.08	24
		1	25	22.83	22.63	22.69	24
		1	49	23.05	23	22.93	24
		25	0	21.57	21.51	21.46	23
		25	13	21.56	21.51	21.45	23
		25	25	21.56	21.47	21.44	23
		50	0	21.54	21.51	21.44	23
	16QAM	1	0	22.38	22.25	22.3	23
		1	25	22.05	21.98	21.96	23
		1	49	22.26	22.18	22.11	23
		25	0	20.57	20.48	20.38	22
		25	13	20.53	20.48	20.4	22
		25	25	20.52	20.42	20.37	22
		50	0	20.5	20.47	20.3	22
	64QAM	1	0	21.15	21.24	21.14	22
		1	25	21.37	21.21	21.23	22
		1	49	21.2	21.11	20.98	22
		25	0	20.19	20.18	20.01	21
		25	13	20.1	20.16	20.02	21

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		25	25	20.13	20.08	20.06	21
		50	0	20.12	20.05	19.96	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26775	26865	26965	
15MHz	QPSK	1	0	23.08	22.98	22.98	24
		1	38	23.09	23.02	23.02	24
		1	74	23.04	22.91	22.9	24
		36	0	21.66	21.58	21.52	23
		36	18	21.57	21.57	21.47	23
		36	39	21.55	21.55	21.5	23
		75	0	21.6	21.52	21.49	23
	16QAM	1	0	22.28	22.17	22.28	23
		1	38	22.23	22.26	22.16	23
		1	74	22.25	22.05	21.99	23
		36	0	20.6	20.56	20.5	22
		36	18	20.56	20.51	20.43	22
		36	39	20.5	20.44	20.41	22
		75	0	20.49	20.52	20.42	22
	64QAM	1	0	21.27	21.31	21.21	22
		1	38	21.4	21.34	21.31	22
		1	74	21.24	21.17	21.07	22
		36	0	20.27	20.2	20.1	21
		36	18	20.16	20.16	20.03	21
		36	39	20.16	20.12	20.08	21
		75	0	20.16	20.13	20.05	21

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LTE Band 26 Receiver off + hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	20.11	20.01	19.91	21
		1	2	19.72	19.46	19.32	21
		1	5	20.06	20.05	19.9	21
		3	0	20.07	19.83	19.88	21
		3	2	19.8	19.72	19.76	21
		3	3	19.95	19.84	19.82	21
		6	0	19.95	19.85	19.87	21
	16QAM	1	0	20.47	20.27	20.18	21
		1	2	20.14	20.06	20.07	21
		1	5	20.29	20.28	20.2	21
		3	0	19.97	19.99	19.82	21
		3	2	20.01	19.85	19.69	21
		3	3	19.97	19.96	19.82	21
		6	0	20.03	19.95	19.77	21
	64QAM	1	0	20.21	20.07	19.92	21
		1	2	20.13	20.15	20.13	21
		1	5	20.17	20.16	20	21
		3	0	20	19.92	19.89	21
		3	2	19.82	19.85	19.91	21
		3	3	19.95	19.84	19.86	21
		6	0	19.84	19.81	19.82	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	20.06	20	19.94	21
		1	7	19.98	20.05	19.51	21
		1	14	20.07	20.02	19.9	21
		8	0	20.03	19.88	19.97	21
		8	4	19.99	19.94	19.79	21
		8	7	20.03	19.84	19.68	21
		15	0	20.03	19.98	19.9	21
	16QAM	1	0	20.36	20.38	20.19	21
		1	7	19.88	20.02	19.86	21
		1	14	20.36	20.27	20.26	21
		8	0	20	19.91	19.77	21
		8	4	19.98	19.97	19.76	21
		8	7	20.07	19.93	19.77	21
		15	0	20.02	19.92	19.76	21
	64QAM	1	0	20.16	20.15	19.98	21
		1	7	20.22	20.09	20.12	21
		1	14	20.25	20.15	20.1	21
		8	0	20	19.91	19.87	21

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		8	4	19.82	19.94	19.83	21
		8	7	19.92	19.92	19.83	21
		15	0	19.86	19.81	19.8	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	20.07	20.05	19.94	21
		1	13	20.05	20.01	19.91	21
		1	24	20.05	19.97	19.85	21
		12	0	20.1	20.04	19.94	21
		12	6	20.05	19.93	19.82	21
		12	13	20.13	20.02	19.92	21
		25	0	20.06	19.99	19.89	21
	16QAM	1	0	20.41	20.39	20.32	21
		1	13	20.38	20.34	20.33	21
		1	24	20.44	20.23	20.24	21
		12	0	20.07	20.03	19.94	21
		12	6	20.03	19.9	19.9	21
		12	13	20.09	20	19.89	21
		25	0	19.96	19.92	19.86	21
	64QAM	1	0	20.09	20.12	19.94	21
		1	13	20.14	20.11	20.13	21
		1	24	20.22	20.05	20.02	21
		12	0	20.01	19.86	19.78	21
		12	6	19.76	19.87	19.82	21
		12	13	19.86	19.92	19.8	21
		25	0	19.82	19.79	19.74	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26750	26865	26990	
10MHz	QPSK	1	0	20.03	20.03	19.96	21
		1	25	19.93	19.58	19.91	21
		1	49	20.03	19.93	19.89	21
		25	0	20.08	20	19.92	21
		25	13	20.01	20.02	19.96	21
		25	25	20.02	19.99	19.93	21
		50	0	20.03	19.97	19.92	21
	16QAM	1	0	20.43	20.3	20.28	21
		1	25	20	20.02	20.07	21
		1	49	20.29	20.22	20.21	21
		25	0	20.03	19.89	19.89	21
		25	13	20.03	19.95	19.91	21
		25	25	19.97	19.94	19.84	21
		50	0	19.97	19.96	19.87	21
	64QAM	1	0	20.1	20.06	19.94	21
		1	25	20.21	20.07	20.19	21
		1	49	20.23	20.15	20.05	21
		25	0	19.94	19.87	19.82	21
		25	13	19.85	19.96	19.89	21

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		25	25	19.92	19.9	19.79	21
		50	0	19.85	19.83	19.81	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26775	26865	26965	
15MHz	QPSK	1	0	20.03	19.95	19.93	21
		1	38	20.01	20.01	19.92	21
		1	74	19.95	19.83	19.85	21
		36	0	20.17	20.01	20.03	21
		36	18	20.1	20.03	19.93	21
		36	39	20.04	20.02	19.95	21
		75	0	20.03	20.03	19.97	21
	16QAM	1	0	20.37	20.25	20.25	21
		1	38	20.31	20.32	20.31	21
		1	74	20.22	20.24	20.23	21
		36	0	20.1	19.95	19.94	21
		36	18	20.05	19.96	19.89	21
		36	39	19.97	19.93	19.9	21
		75	0	19.95	19.93	19.87	21
	64QAM	1	0	20.13	20.08	19.91	21
		1	38	20.24	20.06	20.12	21
		1	74	20.22	20.09	20.09	21
		36	0	19.98	19.85	19.79	21
		36	18	19.81	19.96	19.87	21
		36	39	19.96	19.81	19.77	21
		75	0	19.88	19.83	19.7	21

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LTE Band 26 Receiver off + hotspot 5G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	18.1	17.99	17.89	19
		1	2	17.6	17.46	17.45	19
		1	5	18.05	17.99	17.86	19
		3	0	18.1	17.81	17.83	19
		3	2	17.8	17.82	17.65	19
		3	3	17.77	17.65	17.7	19
		6	0	17.98	17.86	17.81	19
	16QAM	1	0	18.37	18.22	18.09	19
		1	2	18.24	18.03	18.02	19
		1	5	18.36	18.26	18.1	19
		3	0	18.12	18.06	17.86	19
		3	2	18.06	17.83	17.63	19
		3	3	18.1	17.94	17.72	19
		6	0	17.98	17.95	17.72	19
	64QAM	1	0	18.05	17.97	17.87	19
		1	2	18.2	18.02	18.06	19
		1	5	18.19	18.02	18.04	19
		3	0	17.88	17.74	17.77	19
		3	2	17.74	17.86	17.8	19
		3	3	17.87	17.7	17.68	19
		6	0	17.8	17.75	17.65	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	18.11	18.02	17.92	19
		1	7	17.59	17.64	17.71	19
		1	14	18.06	17.98	17.84	19
		8	0	18.05	17.93	17.8	19
		8	4	17.99	17.92	17.83	19
		8	7	17.98	17.96	17.82	19
		15	0	18.02	17.98	17.86	19
	16QAM	1	0	18.31	18.22	18.12	19
		1	7	17.77	17.87	17.69	19
		1	14	18.28	18.27	18.08	19
		8	0	17.96	17.9	17.85	19
		8	4	17.98	17.81	17.85	19
		8	7	18.05	17.99	17.83	19
		15	0	18.04	17.97	17.82	19
	64QAM	1	0	18.12	18.03	17.8	19
		1	7	18.13	17.95	18.01	19
		1	14	18.2	18.07	18.07	19
		8	0	17.89	17.81	17.77	19

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		8	4	17.74	17.89	17.85	19
		8	7	17.88	17.75	17.75	19
		15	0	17.82	17.74	17.62	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	18.12	18.04	17.92	19
		1	13	18.07	18.02	17.92	19
		1	24	18.08	18.01	17.86	19
		12	0	18.13	18.02	17.92	19
		12	6	18.09	18.03	17.9	19
		12	13	18.12	18.06	17.95	19
		25	0	18.07	18.04	17.89	19
	16QAM	1	0	18.33	18.34	18.17	19
		1	13	18.29	18.14	18.15	19
		1	24	18.28	18.22	18.22	19
		12	0	18.08	17.98	17.96	19
		12	6	18.02	17.85	17.88	19
		12	13	18.1	17.99	17.89	19
		25	0	18.02	17.95	17.82	19
	64QAM	1	0	18.12	17.96	17.9	19
		1	13	18.18	18.04	18.07	19
		1	24	18.19	18	18	19
		12	0	17.94	17.81	17.7	19
		12	6	17.73	17.85	17.83	19
		12	13	17.9	17.77	17.68	19
		25	0	17.88	17.82	17.62	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26750	26865	26990	
10MHz	QPSK	1	0	18.09	18.01	17.97	19
		1	25	17.88	17.85	17.52	19
		1	49	18.03	17.96	17.9	19
		25	0	18.1	18	17.95	19
		25	13	18.03	18.03	17.96	19
		25	25	18.01	17.99	17.9	19
		50	0	18.05	18.03	17.93	19
	16QAM	1	0	18.29	18.24	18.23	19
		1	25	18.09	18.25	17.94	19
		1	49	18.31	18.31	18.14	19
		25	0	18.05	17.99	17.87	19
		25	13	18.01	17.97	17.86	19
		25	25	17.99	17.91	17.85	19
		50	0	18	17.95	17.87	19
	64QAM	1	0	18.03	18	17.79	19
		1	25	18.17	17.98	18.02	19
		1	49	18.22	18.03	18.01	19
		25	0	17.87	17.78	17.71	19
		25	13	17.75	17.84	17.79	19

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		25	25	17.88	17.79	17.72	19
		50	0	17.79	17.78	17.59	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26775	26865	26965	
15MHz	QPSK	1	0	18.07	17.96	17.99	19
		1	38	18.04	18.02	17.96	19
		1	74	17.97	17.87	17.85	19
		36	0	18.1	18.09	17.97	19
		36	18	18.06	18	17.93	19
		36	39	18.09	17.98	17.94	19
		75	0	18.06	18.06	18	19
	16QAM	1	0	18.34	18.28	18.24	19
		1	38	18.33	18.35	18.23	19
		1	74	18.22	18.24	18.11	19
		36	0	18.1	18.01	17.98	19
		36	18	18	17.99	17.86	19
		36	39	18.01	17.93	17.85	19
		75	0	17.99	17.97	17.9	19
	64QAM	1	0	18.12	18.02	17.86	19
		1	38	18.2	18.05	18.01	19
		1	74	18.11	18	18.04	19
		36	0	17.97	17.84	17.73	19
		36	18	17.76	17.85	17.83	19
		36	39	17.94	17.77	17.72	19
		75	0	17.83	17.83	17.7	19

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LTE Band 26 Receiver on(Left head) + hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	15.59	15.57	15.41	16.5
		1	2	15.38	15.32	15.62	16.5
		1	5	15.58	15.39	15.41	16.5
		3	0	15.47	14.8	14.91	16.5
		3	2	15.5	15.47	15.17	16.5
		3	3	15.15	15.31	15.39	16.5
		6	0	15.39	15.54	15.27	16.5
	16QAM	1	0	15.78	15.94	15.06	16.5
		1	2	15.69	15.47	15.63	16.5
		1	5	15.55	15.91	15.89	16.5
		3	0	15.41	15.2	15.17	16.5
		3	2	15.54	15.46	14.37	16.5
		3	3	15.42	15.23	15.24	16.5
		6	0	15.4	15.17	15.15	16.5
	64QAM	1	0	15.48	15.38	15.36	16.5
		1	2	15.63	15.48	15.55	16.5
		1	5	15.66	15.51	15.44	16.5
		3	0	15.37	15.18	15.24	16.5
		3	2	15.2	15.27	15.21	16.5
		3	3	15.34	15.13	15.15	16.5
		6	0	15.21	15.22	15.11	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	15.56	15.4	15.24	16.5
		1	7	15.83	14.86	14.51	16.5
		1	14	15.37	15.51	15.24	16.5
		8	0	15.49	15.23	15.28	16.5
		8	4	15.35	15.37	15.27	16.5
		8	7	15.56	15.46	15.02	16.5
		15	0	15.52	15.38	15.27	16.5
	16QAM	1	0	15.59	15.68	15.77	16.5
		1	7	15.32	14.57	15.61	16.5
		1	14	15.34	15.51	15.61	16.5
		8	0	15.15	15.44	14.94	16.5
		8	4	15.4	15.52	15.15	16.5
		8	7	15.63	15.36	14.96	16.5
		15	0	15.4	15.43	15.17	16.5
	64QAM	1	0	15.45	15.36	15.28	16.5
		1	7	15.68	15.42	15.51	16.5
		1	14	15.59	15.49	15.49	16.5
		8	0	15.32	15.13	15.27	16.5

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		8	4	15.17	15.33	15.25	16.5
		8	7	15.27	15.18	15.1	16.5
		15	0	15.3	15.14	15.12	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	15.55	15.49	15.29	16.5
		1	13	15.54	15.33	15.31	16.5
		1	24	15.51	15.34	15.31	16.5
		12	0	15.53	15.49	15.42	16.5
		12	6	15.47	15.45	15.36	16.5
		12	13	15.47	15.51	15.38	16.5
		25	0	15.42	15.51	15.34	16.5
	16QAM	1	0	15.97	15.88	15.15	16.5
		1	13	15.57	15.72	15.37	16.5
		1	24	15.51	15.63	15.7	16.5
		12	0	15.48	15.47	15.31	16.5
		12	6	15.58	15.32	15.29	16.5
		12	13	15.6	15.31	15.38	16.5
		25	0	15.5	15.37	15.32	16.5
	64QAM	1	0	15.5	15.38	15.3	16.5
		1	13	15.62	15.51	15.53	16.5
		1	24	15.66	15.47	15.44	16.5
		12	0	15.3	15.22	15.24	16.5
		12	6	15.21	15.32	15.26	16.5
		12	13	15.31	15.17	15.07	16.5
		25	0	15.19	15.21	15.11	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26750	26865	26990	
10MHz	QPSK	1	0	15.53	15.42	15.34	16.5
		1	25	15.01	15.18	15.41	16.5
		1	49	15.43	15.32	15.34	16.5
		25	0	15.5	15.47	15.34	16.5
		25	13	15.47	15.45	15.33	16.5
		25	25	15.44	15.31	15.36	16.5
		50	0	15.54	15.47	15.27	16.5
	16QAM	1	0	15.45	15.77	15.65	16.5
		1	25	15.26	15.97	15.99	16.5
		1	49	15.8	15.73	15.65	16.5
		25	0	15.42	15.33	15.32	16.5
		25	13	15.4	15.28	15.23	16.5
		25	25	15.31	15.14	15.26	16.5
		50	0	15.36	15.38	15.23	16.5
	64QAM	1	0	15.54	15.43	15.3	16.5
		1	25	15.6	15.46	15.52	16.5
		1	49	15.65	15.42	15.53	16.5
		25	0	15.29	15.23	15.18	16.5
		25	13	15.23	15.33	15.26	16.5

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		25	25	15.34	15.19	15.14	16.5
		50	0	15.3	15.25	15.13	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26775	26865	26965	
15MHz	QPSK	1	0	15.39	15.41	15.32	16.5
		1	38	15.4	15.32	15.38	16.5
		1	74	15.35	15.24	15.25	16.5
		36	0	15.49	15.57	15.45	16.5
		36	18	15.51	15.45	15.37	16.5
		36	39	15.44	15.47	15.43	16.5
		75	0	15.43	15.42	15.36	16.5
	16QAM	1	0	15.91	15.45	15.65	16.5
		1	38	15.72	15.71	15.63	16.5
		1	74	15.37	15.53	15.2	16.5
		36	0	15.4	15.44	15.34	16.5
		36	18	15.42	15.39	15.31	16.5
		36	39	15.45	15.21	15.31	16.5
		75	0	15.34	15.32	15.23	16.5
	64QAM	1	0	15.45	15.44	15.32	16.5
		1	38	15.61	15.51	15.55	16.5
		1	74	15.66	15.42	15.5	16.5
		36	0	15.36	15.19	15.23	16.5
		36	18	15.13	15.25	15.26	16.5
		36	39	15.36	15.1	15.17	16.5
		75	0	15.22	15.24	15.14	16.5

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LTE Band 26 Receiver on(Right head) + hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	16.1	15.86	15.8	17
		1	2	15.48	15.14	14.65	17
		1	5	15.99	15.97	15.83	17
		3	0	15.83	15.83	15.61	17
		3	2	15.92	16.16	15.87	17
		3	3	15.96	15.7	15.46	17
		6	0	15.99	15.9	15.2	17
	16QAM	1	0	16.43	16.15	16.14	17
		1	2	16.22	15.8	15.74	17
		1	5	15.98	15.69	15.77	17
		3	0	16.02	16.04	15.87	17
		3	2	15.66	15.91	15.87	17
		3	3	15.68	15.72	15.98	17
		6	0	16.05	16	15.89	17
	64QAM	1	0	15.92	15.89	15.76	17
		1	2	16.03	15.98	15.96	17
		1	5	16.08	15.9	15.96	17
		3	0	15.82	15.68	15.69	17
		3	2	15.63	15.71	15.74	17
		3	3	15.76	15.56	15.61	17
		6	0	15.62	15.69	15.62	17
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	16	15.92	15.94	17
		1	7	13.95	14.66	15.7	17
		1	14	16.03	15.96	15.69	17
		8	0	16.04	15.88	15.79	17
		8	4	16.06	15.8	15.86	17
		8	7	16.11	15.79	15.76	17
		15	0	15.72	15.9	15.74	17
	16QAM	1	0	16.5	16.52	16.16	17
		1	7	16.11	16.01	14.71	17
		1	14	16.3	16.24	15.86	17
		8	0	15.98	15.9	15.8	17
		8	4	15.99	15.87	15.75	17
		8	7	15.94	16.08	15.85	17
		15	0	15.8	15.81	15.8	17
	64QAM	1	0	15.88	15.92	15.78	17
		1	7	16.03	15.93	15.96	17
		1	14	16.15	15.86	15.96	17
		8	0	15.83	15.67	15.67	17

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		8	4	15.54	15.73	15.76	17
		8	7	15.85	15.57	15.67	17
		15	0	15.69	15.68	15.55	17
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	16.06	15.93	15.89	17
		1	13	16.01	15.81	15.91	17
		1	24	15.98	15.87	15.66	17
		12	0	16.1	15.91	15.95	17
		12	6	15.73	15.87	15.68	17
		12	13	16.03	15.93	15.79	17
		25	0	15.99	15.92	15.85	17
	16QAM	1	0	16.31	16.22	16.24	17
		1	13	16.43	15.87	15.89	17
		1	24	16.11	16.45	15.78	17
		12	0	16.06	15.89	15.95	17
		12	6	15.98	15.81	15.95	17
		12	13	16.02	15.95	15.81	17
		25	0	15.96	15.82	15.95	17
	64QAM	1	0	15.89	15.91	15.81	17
		1	13	16.05	15.99	16.02	17
		1	24	16.11	15.85	15.96	17
		12	0	15.81	15.6	15.66	17
		12	6	15.56	15.73	15.68	17
		12	13	15.78	15.52	15.59	17
		25	0	15.7	15.66	15.6	17
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26750	26865	26990	
10MHz	QPSK	1	0	15.97	15.93	15.81	17
		1	25	15.36	14.65	15.28	17
		1	49	15.95	15.86	15.76	17
		25	0	15.96	16.02	15.79	17
		25	13	15.92	16	15.89	17
		25	25	15.88	15.86	15.88	17
		50	0	15.99	15.9	15.72	17
	16QAM	1	0	16.31	16.23	16.09	17
		1	25	16.33	16.42	15.59	17
		1	49	16.27	16.11	16.08	17
		25	0	15.98	15.84	15.83	17
		25	13	15.96	15.84	15.84	17
		25	25	15.86	15.97	15.87	17
		50	0	15.84	15.95	15.79	17
	64QAM	1	0	15.88	15.93	15.82	17
		1	25	16.1	15.96	16.02	17
		1	49	16.16	15.92	15.93	17
		25	0	15.84	15.64	15.71	17
		25	13	15.55	15.7	15.73	17

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		25	25	15.82	15.59	15.65	17
		50	0	15.63	15.72	15.58	17
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26775	26865	26965	
15MHz	QPSK	1	0	15.86	15.99	15.98	17
		1	38	15.9	15.91	15.94	17
		1	74	15.85	15.79	15.72	17
		36	0	16.02	16.05	15.92	17
		36	18	16.01	15.94	15.85	17
		36	39	15.93	15.84	15.9	17
		75	0	15.93	15.9	15.82	17
	16QAM	1	0	16.02	16.17	16.11	17
		1	38	16.02	15.93	16.16	17
		1	74	15.77	16.17	15.99	17
		36	0	16.05	15.93	15.81	17
		36	18	15.75	15.83	15.77	17
		36	39	15.81	15.88	15.74	17
		75	0	15.94	15.81	15.85	17
	64QAM	1	0	15.88	15.85	15.77	17
		1	38	16.01	15.98	16.04	17
		1	74	16.15	15.88	15.9	17
		36	0	15.78	15.68	15.72	17
		36	18	15.62	15.69	15.73	17
		36	39	15.78	15.58	15.58	17
		75	0	15.67	15.7	15.55	17

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LTE Band 26 Receiver on(Left head) + hotspot 5G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	13.51	13.34	13.33	14.5
		1	2	13.49	13.06	12.95	14.5
		1	5	13.48	13.41	13.35	14.5
		3	0	13.31	13.07	12.99	14.5
		3	2	13.41	13.4	13.28	14.5
		3	3	13.35	13.07	13.1	14.5
		6	0	13.42	13.39	13.32	14.5
	16QAM	1	0	13.83	13.82	13.4	14.5
		1	2	13.22	13.37	13.42	14.5
		1	5	13.63	14.02	13.82	14.5
		3	0	13.52	13.17	13.22	14.5
		3	2	13.23	13.17	13.44	14.5
		3	3	13.6	13.19	12.94	14.5
		6	0	13.42	13.46	13.41	14.5
	64QAM	1	0	13.26	13.26	13.22	14.5
		1	2	13.46	13.47	13.41	14.5
		1	5	13.51	13.24	13.31	14.5
		3	0	13.27	13.11	13.21	14.5
		3	2	13.04	13.11	13.15	14.5
		3	3	13.16	12.99	12.95	14.5
		6	0	13.12	13.12	13.04	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	13.62	13.32	13.41	14.5
		1	7	12.76	13.73	12.58	14.5
		1	14	13.53	13.38	13.29	14.5
		8	0	13.31	13.37	13.42	14.5
		8	4	13.38	13.13	13.24	14.5
		8	7	13.59	13.47	13.44	14.5
		15	0	13.43	13.44	13.24	14.5
	16QAM	1	0	14.08	13.26	13.64	14.5
		1	7	12.61	13.58	13	14.5
		1	14	14.08	13.55	13.79	14.5
		8	0	13.4	13.55	13.23	14.5
		8	4	13.61	13.46	13.37	14.5
		8	7	13.5	13.32	13.34	14.5
		15	0	13.43	13.33	13.3	14.5
	64QAM	1	0	13.36	13.33	13.19	14.5
		1	7	13.43	13.41	13.48	14.5
		1	14	13.51	13.35	13.4	14.5
		8	0	13.16	13.15	13.18	14.5

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		8	4	12.99	13.12	13.22	14.5
		8	7	13.21	12.95	12.97	14.5
		15	0	13.1	13.09	13.04	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	13.51	13.5	13.25	14.5
		1	13	13.5	13.49	13.31	14.5
		1	24	13.58	13.43	13.37	14.5
		12	0	13.62	13.51	13.33	14.5
		12	6	13.43	13.33	13.3	14.5
		12	13	13.53	13.4	13.3	14.5
		25	0	13.48	13.39	13.27	14.5
	16QAM	1	0	13.57	13.95	13.9	14.5
		1	13	13.69	13.61	13.38	14.5
		1	24	13.56	13.73	13.88	14.5
		12	0	13.55	13.3	13.49	14.5
		12	6	13.36	13.53	13.14	14.5
		12	13	13.54	13.36	13.39	14.5
		25	0	13.37	13.43	13.32	14.5
	64QAM	1	0	13.29	13.25	13.24	14.5
		1	13	13.37	13.36	13.44	14.5
		1	24	13.6	13.28	13.37	14.5
		12	0	13.26	13.14	13.16	14.5
		12	6	13.07	13.14	13.22	14.5
		12	13	13.23	12.98	12.97	14.5
		25	0	13.11	13.11	13.04	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26750	26865	26990	
10MHz	QPSK	1	0	13.46	13.42	13.3	14.5
		1	25	12.83	13.12	12.85	14.5
		1	49	13.42	13.36	13.27	14.5
		25	0	13.61	13.48	13.41	14.5
		25	13	13.55	13.32	13.37	14.5
		25	25	13.49	13.33	13.28	14.5
		50	0	13.37	13.37	13.32	14.5
	16QAM	1	0	14.03	14.02	13.5	14.5
		1	25	13.95	13.48	13.54	14.5
		1	49	13.63	12.98	13.32	14.5
		25	0	13.39	13.44	13.3	14.5
		25	13	13.38	13.24	13.2	14.5
		25	25	13.4	13.3	13.22	14.5
		50	0	13.39	13.42	13.37	14.5
	64QAM	1	0	13.24	13.35	13.16	14.5
		1	25	13.36	13.35	13.43	14.5
		1	49	13.62	13.37	13.38	14.5
		25	0	13.16	13.08	13.21	14.5
		25	13	13.06	13.18	13.1	14.5

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		25	25	13.16	13.06	12.98	14.5
		50	0	13.14	13.09	13.02	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26775	26865	26965	
15MHz	QPSK	1	0	13.43	13.45	13.52	14.5
		1	38	13.45	13.39	13.42	14.5
		1	74	13.39	13.3	13.19	14.5
		36	0	13.51	13.51	13.44	14.5
		36	18	13.39	13.48	13.36	14.5
		36	39	13.43	13.42	13.4	14.5
		75	0	13.53	13.47	13.34	14.5
	16QAM	1	0	13.97	13.35	13.65	14.5
		1	38	13.1	13.6	13.65	14.5
		1	74	13.6	13.39	13.1	14.5
		36	0	13.55	13.39	13.35	14.5
		36	18	13.38	13.39	13.38	14.5
		36	39	13.36	13.4	13.33	14.5
		75	0	13.39	13.36	13.36	14.5
	64QAM	1	0	13.35	13.3	13.13	14.5
		1	38	13.4	13.46	13.45	14.5
		1	74	13.64	13.38	13.3	14.5
		36	0	13.18	13.04	13.08	14.5
		36	18	12.98	13.04	13.13	14.5
		36	39	13.24	13.02	13.02	14.5
		75	0	13.05	13.1	13.05	14.5

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LTE Band 26 Receiver on(Right head) + hotspot 5G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	14.03	13.94	13.81	15
		1	2	14.25	13.31	14.02	15
		1	5	14.09	13.99	13.84	15
		3	0	13.97	13.76	13.63	15
		3	2	14.04	14.17	13.81	15
		3	3	13.92	13.73	13.83	15
		6	0	14.01	13.28	13.46	15
	16QAM	1	0	14.59	14.46	14.34	15
		1	2	14.27	13.83	14.1	15
		1	5	14.33	13.93	14.24	15
		3	0	14	13.78	13.68	15
		3	2	13.79	13.54	13.81	15
		3	3	13.89	13.88	14.08	15
		6	0	14.06	13.81	13.87	15
	64QAM	1	0	13.8	13.74	13.54	15
		1	2	13.82	13.92	13.92	15
		1	5	14.09	13.82	13.78	15
		3	0	13.59	13.5	13.55	15
		3	2	13.44	13.51	13.57	15
		3	3	13.72	13.47	13.5	15
		6	0	13.49	13.56	13.47	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	13.96	13.95	13.83	15
		1	7	13.6	12.62	12.15	15
		1	14	14.05	13.78	13.7	15
		8	0	13.67	13.81	13.4	15
		8	4	13.91	13.81	13.76	15
		8	7	13.76	13.9	13.81	15
		15	0	13.95	13.88	13.89	15
	16QAM	1	0	13.89	13.98	14.41	15
		1	7	14.35	12.76	13.09	15
		1	14	13.97	14.1	14.26	15
		8	0	13.81	13.94	13.57	15
		8	4	13.65	13.75	13.69	15
		8	7	13.7	14.04	13.67	15
		15	0	13.84	13.79	13.87	15
	64QAM	1	0	13.76	13.78	13.6	15
		1	7	13.85	13.94	13.87	15
		1	14	14.12	13.84	13.73	15
		8	0	13.66	13.48	13.49	15

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		8	4	13.41	13.44	13.54	15
		8	7	13.65	13.47	13.5	15
		15	0	13.54	13.51	13.48	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	14.02	13.91	13.87	15
		1	13	13.88	13.8	13.82	15
		1	24	13.93	13.86	13.8	15
		12	0	14.06	14.01	13.91	15
		12	6	14	13.93	13.73	15
		12	13	13.99	14.01	13.88	15
		25	0	13.91	14	13.84	15
	16QAM	1	0	14.3	14.4	14.33	15
		1	13	14.57	14.22	14.15	15
		1	24	14.34	14.14	14.01	15
		12	0	14.05	13.9	13.88	15
		12	6	14.13	13.93	13.9	15
		12	13	14.05	13.84	13.85	15
		25	0	14	14.02	13.68	15
	64QAM	1	0	13.83	13.77	13.62	15
		1	13	13.82	13.88	13.85	15
		1	24	14.1	13.82	13.8	15
		12	0	13.62	13.47	13.5	15
		12	6	13.39	13.47	13.55	15
		12	13	13.7	13.47	13.46	15
		25	0	13.54	13.57	13.5	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26750	26865	26990	
10MHz	QPSK	1	0	14.02	13.89	13.83	15
		1	25	14.36	13.4	13.02	15
		1	49	13.87	13.81	13.72	15
		25	0	14.05	13.94	13.85	15
		25	13	13.98	13.93	13.84	15
		25	25	13.97	13.93	13.85	15
		50	0	13.94	13.84	13.8	15
	16QAM	1	0	14.35	14.35	14.23	15
		1	25	14.42	14.56	13.8	15
		1	49	13.89	13.97	14.22	15
		25	0	14.01	13.85	13.79	15
		25	13	13.74	13.86	13.62	15
		25	25	13.83	13.68	13.73	15
		50	0	13.84	13.79	13.79	15
	64QAM	1	0	13.83	13.75	13.62	15
		1	25	13.84	13.88	13.88	15
		1	49	14.1	13.83	13.77	15
		25	0	13.59	13.51	13.53	15
		25	13	13.41	13.53	13.6	15

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		25	25	13.65	13.43	13.46	15
		50	0	13.5	13.56	13.49	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26775	26865	26965	
15MHz	QPSK	1	0	13.95	13.84	13.81	15
		1	38	13.91	13.92	13.83	15
		1	74	13.95	13.76	13.8	15
		36	0	14.06	13.97	13.85	15
		36	18	13.94	13.96	13.78	15
		36	39	13.98	13.89	13.83	15
		75	0	13.86	13.94	13.88	15
	16QAM	1	0	14.07	13.97	13.9	15
		1	38	14.23	14.14	13.98	15
		1	74	14.2	14.05	13.66	15
		36	0	13.96	13.87	13.88	15
		36	18	14	14.06	13.83	15
		36	39	13.93	13.8	13.9	15
		75	0	13.93	13.85	13.81	15
	64QAM	1	0	13.8	13.72	13.61	15
		1	38	13.86	13.88	13.92	15
		1	74	14.05	13.83	13.78	15
		36	0	13.6	13.46	13.54	15
		36	18	13.4	13.5	13.61	15
		36	39	13.74	13.47	13.5	15
		75	0	13.5	13.54	13.48	15

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LTE Band 26 Receiver on(Left head) + BT				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	16.56	16.48	16.28	17.5
		1	2	16.06	16.75	16.51	17.5
		1	5	16.41	16.41	16.29	17.5
		3	0	16.4	16.16	16.38	17.5
		3	2	16.65	16.04	15.96	17.5
		3	3	16.56	16.38	16.35	17.5
		6	0	16.13	16.54	16.28	17.5
	16QAM	1	0	16.8	16.29	16.79	17.5
		1	2	16.34	16.72	16.65	17.5
		1	5	16.5	16.21	16.58	17.5
		3	0	16.44	16.38	16.05	17.5
		3	2	16.38	16.54	16.06	17.5
		3	3	16.58	16.57	15.93	17.5
		6	0	16.73	16.24	16.1	17.5
	64QAM	1	0	16.22	16.17	16	17.5
		1	2	16.31	16.39	16.39	17.5
		1	5	16.58	16.31	16.21	17.5
		3	0	16.07	15.94	16	17.5
		3	2	15.9	15.94	16	17.5
		3	3	16.19	15.96	15.99	17.5
		6	0	15.94	15.99	15.96	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	16.61	16.39	16.39	17.5
		1	7	16.12	15.96	15.59	17.5
		1	14	16.58	16.39	16.35	17.5
		8	0	16.46	16.43	15.98	17.5
		8	4	16.61	16.46	16.14	17.5
		8	7	16.54	16.57	16.16	17.5
		15	0	16.49	16.47	16.36	17.5
	16QAM	1	0	16.83	16.34	16.63	17.5
		1	7	17.08	15.83	16.17	17.5
		1	14	16.89	16.81	16.51	17.5
		8	0	16.37	16.16	16.26	17.5
		8	4	16.49	16.3	16.25	17.5
		8	7	16.35	16.36	16.16	17.5
		15	0	16.42	16.33	16.44	17.5
	64QAM	1	0	16.21	16.2	15.97	17.5
		1	7	16.29	16.4	16.41	17.5
		1	14	16.51	16.29	16.21	17.5
		8	0	16.07	15.9	15.96	17.5

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		8	4	15.93	15.97	16.04	17.5
		8	7	16.15	15.94	15.98	17.5
		15	0	15.9	15.97	15.89	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	16.5	16.48	16.32	17.5
		1	13	16.47	16.52	16.32	17.5
		1	24	16.38	16.4	16.31	17.5
		12	0	16.5	16.47	16.37	17.5
		12	6	16.58	16.42	16.45	17.5
		12	13	16.44	16.48	16.35	17.5
		25	0	16.52	16.49	16.33	17.5
	16QAM	1	0	16.86	16.29	16.2	17.5
		1	13	16.45	16.84	16.72	17.5
		1	24	17.02	16.34	16.53	17.5
		12	0	16.64	16.4	16.36	17.5
		12	6	16.36	16.38	16.25	17.5
		12	13	16.46	16.45	16.31	17.5
		25	0	16.44	16.46	16.22	17.5
	64QAM	1	0	16.29	16.15	15.95	17.5
		1	13	16.24	16.39	16.36	17.5
		1	24	16.49	16.32	16.27	17.5
		12	0	16	15.95	15.97	17.5
		12	6	15.84	16.01	16.06	17.5
		12	13	16.18	15.96	15.99	17.5
		25	0	15.98	16.05	15.88	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26750	26865	26990	
10MHz	QPSK	1	0	16.54	16.37	16.3	17.5
		1	25	15.94	16.1	15.79	17.5
		1	49	16.36	16.39	16.28	17.5
		25	0	16.51	16.45	16.35	17.5
		25	13	16.46	16.43	16.34	17.5
		25	25	16.55	16.41	16.35	17.5
		50	0	16.54	16.45	16.39	17.5
	16QAM	1	0	16.82	16.52	16.78	17.5
		1	25	15.91	16.18	15.52	17.5
		1	49	16.77	16.75	16.67	17.5
		25	0	16.44	16.39	16.29	17.5
		25	13	16.38	16.37	16.24	17.5
		25	25	16.46	16.38	16.25	17.5
		50	0	16.43	16.36	16.32	17.5
	64QAM	1	0	16.25	16.15	16	17.5
		1	25	16.31	16.34	16.34	17.5
		1	49	16.53	16.27	16.25	17.5
		25	0	16.09	16	16.01	17.5
		25	13	15.84	15.94	16.04	17.5

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		25	25	16.13	15.89	15.94	17.5
		50	0	15.93	15.99	15.9	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26775	26865	26965	
15MHz	QPSK	1	0	16.39	16.29	16.31	17.5
		1	38	16.44	16.44	16.3	17.5
		1	74	16.31	16.32	16.25	17.5
		36	0	16.5	16.44	16.46	17.5
		36	18	16.39	16.45	16.28	17.5
		36	39	16.44	16.35	16.32	17.5
		75	0	16.43	16.41	16.38	17.5
	16QAM	1	0	16.76	16.98	16.71	17.5
		1	38	16.8	16.7	16.79	17.5
		1	74	16.15	16.82	16.45	17.5
		36	0	16.42	16.42	16.38	17.5
		36	18	16.32	16.37	16.32	17.5
		36	39	16.45	16.37	16.18	17.5
		75	0	16.42	16.31	16.4	17.5
	64QAM	1	0	16.22	16.19	16	17.5
		1	38	16.31	16.38	16.39	17.5
		1	74	16.54	16.32	16.23	17.5
		36	0	16.06	15.91	16.02	17.5
		36	18	15.88	15.94	16.02	17.5
		36	39	16.17	15.91	15.96	17.5
		75	0	15.99	16.04	15.95	17.5

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LTE Band 26 Receiver on(Right head) + BT				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	17.02	16.92	16.93	18
		1	2	16.13	17.22	16.13	18
		1	5	16.96	16.96	16.89	18
		3	0	17.05	16.95	16.87	18
		3	2	16.82	16.48	16.85	18
		3	3	16.93	16.71	16.87	18
		6	0	16.61	16.62	16.75	18
	16QAM	1	0	17.46	17.24	17.11	18
		1	2	17.52	17.18	17.04	18
		1	5	17.11	17.26	17.23	18
		3	0	17.07	16.67	16.95	18
		3	2	16.39	16.84	17.2	18
		3	3	16.71	16.94	16.54	18
		6	0	16.85	16.8	16.63	18
	64QAM	1	0	16.64	16.58	16.44	18
		1	2	16.78	16.85	16.85	18
		1	5	16.99	16.73	16.71	18
		3	0	16.52	16.39	16.41	18
		3	2	16.37	16.38	16.42	18
		3	3	16.64	16.39	16.45	18
		6	0	16.43	16.48	16.43	18
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	16.95	16.89	16.9	18
		1	7	16.61	16.65	16.16	18
		1	14	17.01	16.92	16.87	18
		8	0	17.07	16.48	16.77	18
		8	4	16.85	16.88	16.98	18
		8	7	17.01	16.79	16.6	18
		15	0	17.1	16.86	16.82	18
	16QAM	1	0	17.52	16.89	17.1	18
		1	7	16.38	17.03	17.05	18
		1	14	17.28	17.1	17.16	18
		8	0	16.93	16.88	16.68	18
		8	4	17.05	16.89	16.78	18
		8	7	17.06	16.91	16.85	18
		15	0	16.75	16.82	16.76	18
	64QAM	1	0	16.71	16.59	16.48	18
		1	7	16.74	16.79	16.84	18
		1	14	17.07	16.77	16.62	18
		8	0	16.51	16.42	16.45	18

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		8	4	16.32	16.41	16.41	18
		8	7	16.63	16.42	16.44	18
		15	0	16.41	16.43	16.37	18
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	16.99	16.97	16.88	18
		1	13	16.97	16.95	16.82	18
		1	24	16.91	16.84	16.83	18
		12	0	17.09	16.92	16.82	18
		12	6	17.04	17	16.76	18
		12	13	17.07	16.95	16.8	18
		25	0	17.02	16.81	16.74	18
	16QAM	1	0	17.45	17.56	17.43	18
		1	13	17.32	17.23	16.78	18
		1	24	17.42	17.2	17.19	18
		12	0	17.15	16.81	16.74	18
		12	6	17.04	16.81	16.75	18
		12	13	16.95	16.98	16.88	18
		25	0	16.97	16.75	16.77	18
	64QAM	1	0	16.66	16.62	16.43	18
		1	13	16.78	16.82	16.89	18
		1	24	17.01	16.78	16.64	18
		12	0	16.5	16.33	16.5	18
		12	6	16.32	16.43	16.45	18
		12	13	16.67	16.37	16.47	18
		25	0	16.43	16.38	16.39	18
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26750	26865	26990	
10MHz	QPSK	1	0	16.91	17.02	16.86	18
		1	25	16.44	16.65	16.63	18
		1	49	17.05	16.82	16.78	18
		25	0	17.01	16.9	16.8	18
		25	13	16.91	16.88	16.91	18
		25	25	16.99	16.87	16.78	18
		50	0	17.03	16.92	16.85	18
	16QAM	1	0	17.54	17.41	16.95	18
		1	25	17.55	17.62	17.04	18
		1	49	17.25	17.25	17.48	18
		25	0	16.98	16.8	16.66	18
		25	13	16.9	16.77	16.85	18
		25	25	16.89	16.82	16.77	18
		50	0	16.88	16.92	16.75	18
	64QAM	1	0	16.67	16.64	16.44	18
		1	25	16.78	16.79	16.86	18
		1	49	17.07	16.8	16.69	18
		25	0	16.54	16.36	16.43	18
		25	13	16.37	16.43	16.45	18

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		25	25	16.64	16.39	16.38	18
		50	0	16.44	16.39	16.44	18
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26775	26865	26965	
15MHz	QPSK	1	0	16.83	16.87	16.94	18
		1	38	17.04	17	16.73	18
		1	74	16.96	16.75	16.81	18
		36	0	17.06	17.03	16.93	18
		36	18	16.9	17.04	16.87	18
		36	39	16.92	16.95	16.89	18
		75	0	16.93	17.01	16.96	18
	16QAM	1	0	17.27	17.35	17.41	18
		1	38	17.34	17.06	16.55	18
		1	74	17.13	16.68	17.29	18
		36	0	16.93	16.91	16.98	18
		36	18	16.95	16.99	16.74	18
		36	39	16.84	16.87	16.76	18
		75	0	16.96	16.9	16.72	18
	64QAM	1	0	16.69	16.58	16.49	18
		1	38	16.74	16.82	16.82	18
		1	74	17.03	16.79	16.7	18
		36	0	16.55	16.41	16.48	18
		36	18	16.31	16.38	16.39	18
		36	39	16.64	16.39	16.48	18
		75	0	16.37	16.46	16.4	18

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LTE Band 26 Receiver off + BT				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	21.13	20.96	20.87	22
		1	2	20.5	20.13	20.25	22
		1	5	21.11	20.98	20.84	22
		3	0	20.91	20.95	20.87	22
		3	2	21.28	21.07	20.97	22
		3	3	21.07	20.89	20.84	22
		6	0	20.88	20.88	20.35	22
	16QAM	1	0	21.3	21.25	21.41	22
		1	2	21.57	21.12	20.27	22
		1	5	21.64	21.24	21.11	22
		3	0	21.06	21.27	20.68	22
		3	2	21.1	20.66	20.74	22
		3	3	21.2	21.16	20.78	22
		6	0	20.47	20.34	20.24	22
	64QAM	1	0	20.61	20.49	20.43	22
		1	2	20.63	20.81	20.76	22
		1	5	20.98	20.7	20.67	22
		3	0	20.61	20.49	20.43	22
		3	2	20.63	20.81	20.76	22
		3	3	20.98	20.7	20.67	22
		6	0	19.41	19.4	19.35	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	21.02	20.96	20.85	22
		1	7	20.55	20.55	20.27	22
		1	14	21.08	20.95	20.84	22
		8	0	20.93	20.89	20.69	22
		8	4	20.96	20.65	20.64	22
		8	7	20.75	20.8	20.9	22
		15	0	21.06	20.81	20.85	22
	16QAM	1	0	21.27	21.24	21.16	22
		1	7	20.34	21.11	20.56	22
		1	14	21.35	21.37	21.11	22
		8	0	20.42	20.27	20.22	22
		8	4	20.59	20.59	19.67	22
		8	7	20.35	20.4	20.41	22
		15	0	20.28	20.41	20.38	22
	64QAM	1	0	20.66	20.47	20.46	22
		1	7	20.65	20.75	20.79	22
		1	14	21.01	20.76	20.68	22
		8	0	19.47	19.38	19.36	21

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		8	4	19.29	19.36	19.33	21
		8	7	19.56	19.31	19.43	21
		15	0	19.36	19.34	19.31	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	21.1	20.99	20.88	22
		1	13	20.99	20.93	20.85	22
		1	24	20.95	20.95	20.73	22
		12	0	21.11	20.91	20.9	22
		12	6	21.02	20.95	20.82	22
		12	13	21.06	21.01	20.85	22
		25	0	21.02	21.01	20.81	22
	16QAM	1	0	21.32	21.38	20.91	22
		1	13	21.44	21.1	21.24	22
		1	24	21.31	21.18	20.61	22
		12	0	20.47	20.58	20.38	22
		12	6	20.43	20.35	20.3	22
		12	13	20.44	20.34	20.27	22
		25	0	20.5	20.44	20.26	22
	64QAM	1	0	20.64	20.57	20.49	22
		1	13	20.67	20.76	20.78	22
		1	24	21	20.73	20.67	22
		12	0	19.43	19.35	19.33	21
		12	6	19.29	19.41	19.33	21
		12	13	19.55	19.38	19.42	21
		25	0	19.34	19.42	19.35	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26750	26865	26990	
10MHz	QPSK	1	0	20.91	21.04	21.01	22
		1	25	20.66	20.9	20.55	22
		1	49	20.99	20.9	20.77	22
		25	0	21	20.92	20.85	22
		25	13	20.97	20.98	20.81	22
		25	25	20.99	20.86	20.86	22
		50	0	21.05	21.01	20.86	22
	16QAM	1	0	20.93	21.08	20.74	22
		1	25	21.08	20.99	21.01	22
		1	49	21.54	21.51	21.25	22
		25	0	20.54	20.48	20.3	22
		25	13	20.56	20.32	20.36	22
		25	25	20.41	20.45	20.38	22
		50	0	20.39	20.25	20.42	22
	64QAM	1	0	20.62	20.57	20.47	22
		1	25	20.63	20.72	20.72	22
		1	49	20.94	20.71	20.63	22
		25	0	19.39	19.35	19.36	21
		25	13	19.2	19.3	19.3	21

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		25	25	19.51	19.34	19.37	21
		50	0	19.33	19.38	19.27	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26775	26865	26965	
15MHz	QPSK	1	0	20.93	20.94	20.88	22
		1	38	20.94	20.95	20.84	22
		1	74	20.86	20.81	20.72	22
		36	0	21.11	21.06	20.99	22
		36	18	21.04	21.02	20.94	22
		36	39	21.03	20.95	20.92	22
		75	0	21.05	21.01	20.99	22
	16QAM	1	0	21.42	21.4	21.32	22
		1	38	21.11	21.23	21.34	22
		1	74	21.18	21.14	21.21	22
		36	0	20.54	20.48	20.5	22
		36	18	20.56	20.55	20.35	22
		36	39	20.54	20.45	20.32	22
		75	0	20.39	20.49	20.39	22
	64QAM	1	0	20.67	20.54	20.44	22
		1	38	20.68	20.79	20.78	22
		1	74	21.02	20.74	20.65	22
		36	0	19.46	19.37	19.44	21
		36	18	19.2	19.32	19.29	21
		36	39	19.56	19.42	19.43	21
		75	0	19.34	19.33	19.32	21

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LTE Band 26 Receiver on(Left head) + WiFi2.4G Ant1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	15.53	15.4	15.3	16.5
		1	2	15.74	15.16	15.48	16.5
		1	5	15.44	15.48	15.4	16.5
		3	0	15.42	15.11	15.27	16.5
		3	2	15.72	15.42	15.08	16.5
		3	3	15.28	15.43	15.19	16.5
		6	0	15.48	15.31	15.02	16.5
	16QAM	1	0	15.9	15.75	15.71	16.5
		1	2	15.68	15.42	15.61	16.5
		1	5	16	15.76	15.13	16.5
		3	0	15.57	15.42	15.26	16.5
		3	2	15.8	15.39	15.15	16.5
		3	3	15.33	15.39	15.47	16.5
		6	0	15.39	15.34	15.24	16.5
	64QAM	1	0	15.28	15.13	15.07	16.5
		1	2	15.33	15.41	15.32	16.5
		1	5	15.54	15.32	15.24	16.5
		3	0	15.05	14.92	15.03	16.5
		3	2	14.79	14.95	14.88	16.5
		3	3	15.13	14.92	14.97	16.5
		6	0	14.91	15	14.95	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	15.5	15.44	15.34	16.5
		1	7	14.85	14.24	15.05	16.5
		1	14	15.47	15.45	15.34	16.5
		8	0	15.35	15.25	15.31	16.5
		8	4	15.26	14.92	15.36	16.5
		8	7	15.58	15.28	14.94	16.5
		15	0	15.53	15.48	15.36	16.5
	16QAM	1	0	15.72	15.89	15.7	16.5
		1	7	15.12	15.3	15.62	16.5
		1	14	15.38	15.68	15.73	16.5
		8	0	15.54	15.36	14.98	16.5
		8	4	15.47	15.39	15.4	16.5
		8	7	15.26	15.26	15.36	16.5
		15	0	15.47	15.42	15.14	16.5
	64QAM	1	0	15.25	15.12	15.05	16.5
		1	7	15.3	15.36	15.33	16.5
		1	14	15.57	15.39	15.19	16.5
		8	0	15.08	14.91	14.97	16.5

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		8	4	14.83	14.97	14.91	16.5
		8	7	15.13	14.91	14.98	16.5
		15	0	14.89	14.98	14.99	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	15.49	15.46	15.33	16.5
		1	13	15.6	15.44	15.35	16.5
		1	24	15.5	15.38	15.33	16.5
		12	0	15.57	15.51	15.41	16.5
		12	6	15.12	15.57	14.92	16.5
		12	13	15.5	15.51	15.27	16.5
		25	0	15.57	15.38	15.24	16.5
	16QAM	1	0	15.99	15.74	15.82	16.5
		1	13	15.96	15.29	15.69	16.5
		1	24	15.25	15.8	15.59	16.5
		12	0	15.52	15.53	15.36	16.5
		12	6	15.55	15.4	15.12	16.5
		12	13	15.62	15.28	15.39	16.5
		25	0	15.36	15.48	15.26	16.5
	64QAM	1	0	15.29	15.1	15.01	16.5
		1	13	15.26	15.31	15.37	16.5
		1	24	15.63	15.37	15.25	16.5
		12	0	15.14	14.97	15	16.5
		12	6	14.87	14.93	14.94	16.5
		12	13	15.23	14.89	15	16.5
		25	0	14.91	14.98	14.96	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26750	26865	26990	
10MHz	QPSK	1	0	15.5	15.47	15.39	16.5
		1	25	15.22	15.77	15.24	16.5
		1	49	15.42	15.36	15.38	16.5
		25	0	15.55	15.47	15.34	16.5
		25	13	15.47	15.44	15.34	16.5
		25	25	15.44	15.29	15.35	16.5
		50	0	15.56	15.47	15.39	16.5
	16QAM	1	0	15.3	15.9	15.66	16.5
		1	25	15.85	15.78	15.32	16.5
		1	49	15.72	15.67	15.6	16.5
		25	0	15.4	15.44	15.35	16.5
		25	13	15.35	15.41	15.39	16.5
		25	25	15.33	15.22	15.17	16.5
		50	0	15.4	15.41	15.3	16.5
	64QAM	1	0	15.17	15.11	15.03	16.5
		1	25	15.29	15.32	15.39	16.5
		1	49	15.53	15.29	15.22	16.5
		25	0	15.12	14.95	15.01	16.5
		25	13	14.79	14.93	14.98	16.5

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		25	25	15.23	14.87	14.98	16.5
		50	0	14.87	14.95	14.98	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26775	26865	26965	
15MHz	QPSK	1	0	15.51	15.38	15.37	16.5
		1	38	15.61	15.46	15.38	16.5
		1	74	15.4	15.35	15.33	16.5
		36	0	15.53	15.51	15.43	16.5
		36	18	15.55	15.5	15.35	16.5
		36	39	15.47	15.42	15.41	16.5
		75	0	15.46	15.47	15.46	16.5
	16QAM	1	0	15.86	15.81	15.46	16.5
		1	38	15.46	15.89	15.65	16.5
		1	74	15.34	15.68	15.47	16.5
		36	0	15.59	15.45	15.46	16.5
		36	18	15.46	15.46	15.37	16.5
		36	39	15.39	15.44	15.32	16.5
		75	0	15.39	15.4	15.32	16.5
	64QAM	1	0	15.2	15.12	15.09	16.5
		1	38	15.34	15.34	15.31	16.5
		1	74	15.54	15.28	15.21	16.5
		36	0	15.08	14.9	14.99	16.5
		36	18	14.85	14.92	14.97	16.5
		36	39	15.15	14.88	14.99	16.5
		75	0	14.9	14.95	14.94	16.5

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LTE Band 26 Receiver on(Right head) + WiFi2.4G Ant1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	16.05	15.93	15.77	17
		1	2	16.18	15.62	15.98	17
		1	5	15.95	15.98	15.83	17
		3	0	15.78	15.94	15.94	17
		3	2	16.08	15.6	14.67	17
		3	3	16.02	15.85	15.87	17
		6	0	16.01	16.03	15.53	17
	16QAM	1	0	16.18	15.98	15.55	17
		1	2	16.36	16.35	15.83	17
		1	5	16.27	15.94	16.37	17
		3	0	16.17	15.82	15.89	17
		3	2	16.2	16	15.7	17
		3	3	16.3	15.92	15.71	17
		6	0	16.33	15.92	15.92	17
	64QAM	1	0	16.06	15.85	15.38	17
		1	2	16.19	16.16	15.82	17
		1	5	16.15	15.83	16.34	17
		3	0	16	15.67	15.79	17
		3	2	16	15.87	15.64	17
		3	3	16.15	15.89	15.63	17
		6	0	16.18	15.78	15.76	17
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	16.04	15.92	15.85	17
		1	7	15.57	15.71	15.69	17
		1	14	15.97	15.9	15.79	17
		8	0	15.88	16.07	15.79	17
		8	4	15.88	16.02	15.68	17
		8	7	15.81	15.95	15.83	17
		15	0	15.98	15.92	15.94	17
	16QAM	1	0	16.66	15.78	16.19	17
		1	7	15.51	15.99	15.58	17
		1	14	16.37	16.08	16.13	17
		8	0	15.92	15.78	15.6	17
		8	4	16.05	15.89	15.69	17
		8	7	16.01	15.88	15.74	17
		15	0	15.86	15.93	15.66	17
	64QAM	1	0	15.99	15.9	15.36	17
		1	7	16.27	16.33	15.69	17
		1	14	16.08	15.94	16.28	17
		8	0	16.06	15.67	15.77	17

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		8	4	16.08	15.84	15.64	17
		8	7	16.17	15.76	15.7	17
		15	0	16.27	15.85	15.8	17
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	16.07	15.98	15.84	17
		1	13	16.03	15.97	15.8	17
		1	24	15.94	15.96	15.85	17
		12	0	15.99	15.94	15.84	17
		12	6	15.95	16.03	15.91	17
		12	13	16.07	15.96	15.9	17
		25	0	15.93	15.84	15.88	17
	16QAM	1	0	15.95	16.39	16.19	17
		1	13	16.62	15.89	16.01	17
		1	24	16.4	15.93	16.12	17
		12	0	15.93	15.93	15.91	17
		12	6	15.87	15.84	15.78	17
		12	13	15.98	16	15.91	17
		25	0	15.84	15.84	15.75	17
	64QAM	1	0	16.07	15.94	15.51	17
		1	13	16.26	16.2	15.73	17
		1	24	16.23	15.79	16.36	17
		12	0	16.14	15.71	15.82	17
		12	6	16.2	15.96	15.69	17
		12	13	16.16	15.91	15.61	17
		25	0	16.31	15.73	15.89	17
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26750	26865	26990	
10MHz	QPSK	1	0	16.03	15.99	15.93	17
		1	25	16.14	15.4	16.22	17
		1	49	15.86	15.86	15.85	17
		25	0	16.03	15.98	15.85	17
		25	13	16.01	15.96	15.84	17
		25	25	15.96	15.94	15.75	17
		50	0	15.93	15.96	15.89	17
	16QAM	1	0	16.29	15.79	16.06	17
		1	25	16.52	15.95	15.76	17
		1	49	16.17	16.04	16.15	17
		25	0	15.95	15.86	15.77	17
		25	13	15.9	15.84	15.87	17
		25	25	15.84	15.84	15.72	17
		50	0	15.96	15.92	15.82	17
	64QAM	1	0	16.16	15.9	15.48	17
		1	25	16.2	16.29	15.82	17
		1	49	16.23	15.82	16.18	17
		25	0	16.09	15.63	15.71	17
		25	13	16.09	15.96	15.52	17

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		25	25	16.27	15.91	15.66	17
		50	0	16.14	15.8	15.86	17
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26775	26865	26965	
15MHz	QPSK	1	0	15.84	15.93	15.91	17
		1	38	15.87	15.82	15.81	17
		1	74	15.83	15.89	15.78	17
		36	0	15.96	16	15.94	17
		36	18	15.94	15.98	15.86	17
		36	39	15.98	15.9	15.79	17
		75	0	15.97	15.95	15.84	17
	16QAM	1	0	15.73	16.26	16.1	17
		1	38	15.82	16.12	16.27	17
		1	74	16.1	16.29	15.55	17
		36	0	15.93	15.9	15.78	17
		36	18	15.78	15.89	15.86	17
		36	39	15.84	15.77	15.77	17
		75	0	15.82	15.85	15.71	17
	64QAM	1	0	16.15	15.97	15.46	17
		1	38	16.22	16.18	15.77	17
		1	74	16.27	15.93	16.34	17
		36	0	16.11	15.7	15.75	17
		36	18	16.05	15.88	15.55	17
		36	39	16.27	15.84	15.54	17
		75	0	16.33	15.8	15.76	17

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LTE Band 26 Receiver off + WiFi2.4G Ant1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	20.07	19.87	19.96	21
		1	2	20.22	20.23	18.88	21
		1	5	20.06	19.94	19.8	21
		3	0	20	19.64	19.6	21
		3	2	19.89	19.7	19.93	21
		3	3	20.03	19.75	19.81	21
		6	0	19.99	19.78	19.52	21
	16QAM	1	0	20.28	20.26	19.98	21
		1	2	20.05	19.88	19.71	21
		1	5	20.16	20.24	20.08	21
		3	0	20.25	19.85	19.59	21
		3	2	20.16	19.95	19.41	21
		3	3	19.86	19.82	19.71	21
		6	0	19.94	19.83	19.83	21
	64QAM	1	0	20.09	19.91	19.42	21
		1	2	20.13	20.08	19.73	21
		1	5	20.16	19.9	20.33	21
		3	0	20.04	19.65	19.64	21
		3	2	20	19.81	19.51	21
		3	3	20.23	19.79	19.48	21
		6	0	20.31	19.74	19.72	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	19.94	19.8	19.73	21
		1	7	20.46	19.52	19.62	21
		1	14	20.02	19.9	19.68	21
		8	0	20.08	20	19.7	21
		8	4	20.03	19.99	19.67	21
		8	7	19.99	19.98	19.6	21
		15	0	19.97	19.83	19.77	21
	16QAM	1	0	19.6	20.22	20.21	21
		1	7	19.87	20.37	19.01	21
		1	14	20.1	20.45	20.28	21
		8	0	20.02	19.92	19.47	21
		8	4	19.96	19.94	19.87	21
		8	7	19.91	20.06	19.78	21
		15	0	19.85	19.87	19.88	21
	64QAM	1	0	20.05	19.96	19.37	21
		1	7	20.15	20.1	19.68	21
		1	14	20.2	19.82	20.24	21
		8	0	20.1	19.7	19.74	21

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		8	4	19.97	19.84	19.51	21
		8	7	20.19	19.81	19.51	21
		15	0	20.24	19.78	19.66	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	20.05	19.9	19.72	21
		1	13	20.08	20.01	19.78	21
		1	24	20.08	19.87	19.76	21
		12	0	20.09	19.98	19.83	21
		12	6	20.02	19.89	19.76	21
		12	13	20.02	19.97	19.91	21
		25	0	19.96	19.95	19.87	21
	16QAM	1	0	20.27	20.32	20.2	21
		1	13	20.16	20.3	20.27	21
		1	24	20.21	20.12	20.03	21
		12	0	20.07	19.94	19.87	21
		12	6	20.16	19.9	19.87	21
		12	13	20.08	19.89	19.92	21
		25	0	20.03	19.78	19.83	21
	64QAM	1	0	20.12	19.95	19.41	21
		1	13	20.1	20.12	19.77	21
		1	24	20.17	19.92	20.25	21
		12	0	20.06	19.68	19.64	21
		12	6	20.01	19.81	19.54	21
		12	13	20.22	19.79	19.43	21
		25	0	20.32	19.78	19.68	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26750	26865	26990	
10MHz	QPSK	1	0	20.11	19.96	19.92	21
		1	25	20.11	19.74	20.09	21
		1	49	19.95	19.88	19.83	21
		25	0	20.02	20	19.83	21
		25	13	19.98	20.01	19.76	21
		25	25	19.95	19.96	19.84	21
		50	0	20.03	20	19.93	21
	16QAM	1	0	19.98	20.15	19.9	21
		1	25	20.53	19.54	19	21
		1	49	20.18	20.18	20.07	21
		25	0	20.08	19.79	19.73	21
		25	13	19.82	19.92	19.83	21
		25	25	19.88	19.91	19.76	21
		50	0	19.93	19.93	19.73	21
	64QAM	1	0	20.15	19.89	19.4	21
		1	25	20.21	20.14	19.73	21
		1	49	20.18	19.83	20.31	21
		25	0	20.1	19.67	19.72	21
		25	13	20.02	19.82	19.53	21

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		25	25	20.18	19.76	19.54	21
		50	0	20.31	19.71	19.7	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26775	26865	26965	
15MHz	QPSK	1	0	19.86	19.8	19.88	21
		1	38	19.89	19.97	19.91	21
		1	74	19.84	19.89	19.75	21
		36	0	19.97	20.04	19.94	21
		36	18	19.96	20.06	19.76	21
		36	39	19.93	19.93	19.87	21
		75	0	19.95	19.87	19.94	21
	16QAM	1	0	20.37	20.2	20.13	21
		1	38	20.09	20.13	20.21	21
		1	74	20.29	19.95	20.18	21
		36	0	20.01	19.91	19.83	21
		36	18	19.87	19.95	19.78	21
		36	39	20.08	19.85	19.74	21
		75	0	19.95	19.9	19.82	21
	64QAM	1	0	20.05	19.87	19.46	21
		1	38	20.2	20.09	19.68	21
		1	74	20.17	19.83	20.32	21
		36	0	20	19.65	19.69	21
		36	18	19.94	19.83	19.46	21
		36	39	20.17	19.73	19.43	21
		75	0	20.25	19.76	19.69	21

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LTE Band 26 Receiver on(Left head) + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	13.49	13.48	13.25	14.5
		1	2	13.72	13.25	12.87	14.5
		1	5	13.51	13.49	13.39	14.5
		3	0	13.47	13.06	13.45	14.5
		3	2	13.39	13.13	13.25	14.5
		3	3	13.53	12.99	13.49	14.5
		6	0	13.66	13.29	12.85	14.5
	16QAM	1	0	13.72	13.71	13.54	14.5
		1	2	13.59	13.47	13.42	14.5
		1	5	13.27	13.8	13.46	14.5
		3	0	13.42	13.57	13.18	14.5
		3	2	13.44	13.28	13.14	14.5
		3	3	13.66	13.23	13.17	14.5
		6	0	13.56	13.32	13.22	14.5
	64QAM	1	0	13.48	13.36	12.86	14.5
		1	2	13.56	13.5	13.18	14.5
		1	5	13.61	13.38	13.8	14.5
		3	0	13.43	13.13	13.08	14.5
		3	2	13.43	13.27	12.95	14.5
		3	3	13.68	13.18	12.9	14.5
		6	0	13.79	13.16	13.13	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	13.48	13.38	13.3	14.5
		1	7	12.81	13.53	12.83	14.5
		1	14	13.47	13.43	13.36	14.5
		8	0	13.36	13.48	13.32	14.5
		8	4	13.47	13.2	13.31	14.5
		8	7	13.45	13.3	13.17	14.5
		15	0	13.63	13.39	13.35	14.5
	16QAM	1	0	13.33	13.7	13.3	14.5
		1	7	13.19	13.66	12.97	14.5
		1	14	13.95	13.49	13.55	14.5
		8	0	13.57	13.47	13.12	14.5
		8	4	13.46	13.3	13.04	14.5
		8	7	13.4	13.4	12.95	14.5
		15	0	13.49	13.35	13.22	14.5
	64QAM	1	0	13.55	13.35	12.84	14.5
		1	7	13.57	13.54	13.17	14.5
		1	14	13.61	13.38	13.77	14.5
		8	0	13.44	13.06	13.05	14.5

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		8	4	13.49	13.19	12.95	14.5
		8	7	13.67	13.22	12.88	14.5
		15	0	13.74	13.17	13.17	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	13.63	13.51	13.31	14.5
		1	13	13.4	13.41	13.3	14.5
		1	24	13.49	13.33	13.3	14.5
		12	0	13.52	13.41	13.35	14.5
		12	6	13.49	13.33	13.18	14.5
		12	13	13.49	13.42	13.37	14.5
		25	0	13.42	13.42	13.41	14.5
	16QAM	1	0	13.57	13.68	13.8	14.5
		1	13	13.93	13.13	13.17	14.5
		1	24	13.75	13.7	13.7	14.5
		12	0	13.32	13.23	13.27	14.5
		12	6	13.5	13.3	13.28	14.5
		12	13	13.45	13.37	13.31	14.5
		25	0	13.37	13.31	13.23	14.5
	64QAM	1	0	13.54	13.3	12.84	14.5
		1	13	13.61	13.47	13.21	14.5
		1	24	13.59	13.39	13.73	14.5
		12	0	13.48	13.14	13.06	14.5
		12	6	13.45	13.31	12.97	14.5
		12	13	13.69	13.18	12.95	14.5
		25	0	13.76	13.21	13.17	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26750	26865	26990	
10MHz	QPSK	1	0	13.34	13.42	13.32	14.5
		1	25	13.58	13.42	13.1	14.5
		1	49	13.4	13.44	13.24	14.5
		25	0	13.48	13.46	13.37	14.5
		25	13	13.41	13.43	13.36	14.5
		25	25	13.39	13.31	13.39	14.5
		50	0	13.47	13.46	13.31	14.5
	16QAM	1	0	13.72	13.96	13.36	14.5
		1	25	13.69	12.92	12.97	14.5
		1	49	13.79	13.69	13.53	14.5
		25	0	13.36	13.25	13.19	14.5
		25	13	13.33	13.39	13.17	14.5
		25	25	13.34	13.38	13.29	14.5
		50	0	13.38	13.34	13.3	14.5
	64QAM	1	0	13.55	13.37	12.85	14.5
		1	25	13.61	13.56	13.15	14.5
		1	49	13.58	13.29	13.73	14.5
		25	0	13.46	13.06	13.03	14.5
		25	13	13.39	13.24	12.99	14.5

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		25	25	13.69	13.18	12.89	14.5
		50	0	13.76	13.21	13.2	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26775	26865	26965	
15MHz	QPSK	1	0	13.44	13.37	13.35	14.5
		1	38	13.33	13.41	13.34	14.5
		1	74	13.39	13.34	13.24	14.5
		36	0	13.45	13.43	13.34	14.5
		36	18	13.44	13.43	13.36	14.5
		36	39	13.46	13.35	13.33	14.5
		75	0	13.48	13.41	13.37	14.5
	16QAM	1	0	13.49	13.48	13.46	14.5
		1	38	13.2	13.7	13.67	14.5
		1	74	13.18	13.75	13.53	14.5
		36	0	13.51	13.36	13.37	14.5
		36	18	13.34	13.44	13.26	14.5
		36	39	13.36	13.39	13.32	14.5
		75	0	13.35	13.32	13.22	14.5
	64QAM	1	0	13.5	13.35	12.91	14.5
		1	38	13.53	13.52	13.12	14.5
		1	74	13.59	13.4	13.75	14.5
		36	0	13.54	13.1	13.05	14.5
		36	18	13.43	13.2	13	14.5
		36	39	13.63	13.25	12.93	14.5
		75	0	13.8	13.15	13.21	14.5

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LTE Band 26 Receiver on(Right head) + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	14.08	13.95	13.92	15
		1	2	13.53	14.19	13.56	15
		1	5	14	14.02	13.93	15
		3	0	14.11	13.99	13.9	15
		3	2	13.38	13.59	13.36	15
		3	3	13.83	13.77	13.86	15
		6	0	13.98	13.51	13.73	15
	16QAM	1	0	14.49	14.22	13.78	15
		1	2	14.44	13.59	14.05	15
		1	5	13.94	14.33	14.29	15
		3	0	13.76	13.8	13.89	15
		3	2	13.9	13.63	13.73	15
		3	3	14.27	14.1	13.77	15
		6	0	13.83	13.78	13.77	15
	64QAM	1	0	13.9	13.75	13.32	15
		1	2	14	13.93	13.55	15
		1	5	14.08	13.85	14.17	15
		3	0	14.02	13.59	13.51	15
		3	2	13.9	13.66	13.46	15
		3	3	14.05	13.7	13.33	15
		6	0	14.27	13.61	13.63	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	14.04	13.9	13.81	15
		1	7	14.7	13.73	13.62	15
		1	14	14.05	13.9	13.73	15
		8	0	13.85	13.84	13.66	15
		8	4	13.89	13.74	13.66	15
		8	7	13.83	13.6	13.92	15
		15	0	13.91	13.88	13.69	15
	16QAM	1	0	14.23	14	14.01	15
		1	7	13.12	14.08	13.4	15
		1	14	14.41	14.34	14.03	15
		8	0	14	13.72	13.76	15
		8	4	13.87	13.87	13.73	15
		8	7	14.02	13.89	13.72	15
		15	0	13.93	13.7	13.77	15
	64QAM	1	0	13.94	13.81	13.38	15
		1	7	14.02	13.95	13.53	15
		1	14	14.06	13.86	14.17	15
		8	0	14.02	13.6	13.53	15

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		8	4	13.93	13.64	13.45	15
		8	7	14.1	13.71	13.39	15
		15	0	14.29	13.61	13.69	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	13.94	13.93	13.94	15
		1	13	13.95	13.78	13.8	15
		1	24	14.03	13.87	13.71	15
		12	0	14.07	13.96	13.9	15
		12	6	14.05	13.93	13.83	15
		12	13	14.03	13.85	13.92	15
		25	0	13.96	13.85	13.74	15
	16QAM	1	0	14.02	14.05	14.07	15
		1	13	14.33	14.21	14.01	15
		1	24	13.92	13.89	13.89	15
		12	0	14	13.89	13.73	15
		12	6	13.98	13.87	13.68	15
		12	13	13.98	13.83	13.85	15
		25	0	13.86	13.89	13.81	15
	64QAM	1	0	13.91	13.79	13.33	15
		1	13	13.98	13.96	13.55	15
		1	24	14.07	13.88	14.21	15
		12	0	13.95	13.57	13.48	15
		12	6	13.86	13.66	13.41	15
		12	13	14.05	13.74	13.39	15
		25	0	14.22	13.55	13.7	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26750	26865	26990	
10MHz	QPSK	1	0	13.99	13.88	13.87	15
		1	25	13.89	13.79	13.41	15
		1	49	13.88	13.78	13.82	15
		25	0	14.03	13.86	13.89	15
		25	13	13.94	13.97	13.87	15
		25	25	13.98	13.86	13.9	15
		50	0	14	14	13.82	15
	16QAM	1	0	14.37	13.99	13.99	15
		1	25	14.09	13.89	13.98	15
		1	49	14.06	13.86	14.02	15
		25	0	13.92	13.94	13.77	15
		25	13	13.96	13.91	13.83	15
		25	25	13.79	13.77	13.81	15
		50	0	13.88	13.79	13.71	15
	64QAM	1	0	13.91	13.77	13.38	15
		1	25	13.97	13.97	13.56	15
		1	49	14.02	13.83	14.16	15
		25	0	14	13.55	13.54	15
		25	13	13.85	13.62	13.47	15

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		25	25	14.09	13.7	13.43	15
		50	0	14.24	13.58	13.7	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26775	26865	26965	
15MHz	QPSK	1	0	13.91	13.91	13.9	15
		1	38	13.86	13.88	13.77	15
		1	74	13.78	13.78	13.8	15
		36	0	13.98	13.9	13.87	15
		36	18	13.96	14.02	13.92	15
		36	39	13.87	13.93	13.86	15
		75	0	13.86	13.98	13.8	15
	16QAM	1	0	13.95	13.7	13.91	15
		1	38	14.14	14.34	13.87	15
		1	74	14.03	13.65	14.24	15
		36	0	13.97	13.87	13.8	15
		36	18	13.86	13.73	13.84	15
		36	39	13.9	13.84	13.76	15
		75	0	13.88	13.87	13.8	15
	64QAM	1	0	13.93	13.84	13.4	15
		1	38	13.98	13.99	13.55	15
		1	74	14	13.89	14.17	15
		36	0	14.02	13.55	13.52	15
		36	18	13.89	13.64	13.5	15
		36	39	14.06	13.66	13.35	15
		75	0	14.28	13.58	13.68	15

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LTE Band 26 Receiver off + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	17.92	17.9	17.9	19
		1	2	17.86	16.85	16.79	19
		1	5	18.06	17.9	17.82	19
		3	0	17.73	17.87	17.69	19
		3	2	17.75	17.63	17.52	19
		3	3	17.74	17.7	17.47	19
		6	0	18.13	17.75	17.89	19
	16QAM	1	0	18.46	18.07	18.3	19
		1	2	18.1	18.31	17.13	19
		1	5	18.22	18.15	18.05	19
		3	0	17.78	17.83	17.43	19
		3	2	17.57	17.55	17.48	19
		3	3	17.93	17.85	17.66	19
		6	0	17.94	17.92	18.05	19
	64QAM	1	0	17.79	17.69	17.26	19
		1	2	17.89	17.86	17.48	19
		1	5	18.03	17.74	18.14	19
		3	0	17.96	17.56	17.44	19
		3	2	17.84	17.61	17.39	19
		3	3	18	17.68	17.25	19
		6	0	18.21	17.53	17.6	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	18.04	17.96	17.84	19
		1	7	17.51	17.75	17.31	19
		1	14	17.9	17.98	17.75	19
		8	0	17.97	17.95	17.73	19
		8	4	17.71	17.98	17.83	19
		8	7	18.03	17.86	17.82	19
		15	0	17.98	17.97	17.71	19
	16QAM	1	0	18.27	18.32	17.99	19
		1	7	18.15	18.09	17.72	19
		1	14	18.35	18.24	18.09	19
		8	0	17.8	17.96	17.93	19
		8	4	17.99	18	17.77	19
		8	7	17.84	17.88	17.75	19
		15	0	18.07	17.82	17.69	19
	64QAM	1	0	17.88	17.75	17.22	19
		1	7	17.92	17.84	17.55	19
		1	14	18.06	17.83	18.15	19
		8	0	17.97	17.48	17.5	19

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		8	4	17.81	17.58	17.37	19
		8	7	17.97	17.67	17.27	19
		15	0	18.24	17.57	17.56	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	18.06	17.84	17.84	19
		1	13	17.95	17.93	17.89	19
		1	24	18.02	17.92	17.7	19
		12	0	18.08	17.96	17.82	19
		12	6	18.16	17.8	17.69	19
		12	13	18.01	18.05	17.85	19
		25	0	17.96	17.94	17.76	19
	16QAM	1	0	18.26	18.4	18.43	19
		1	13	17.63	17.95	18.31	19
		1	24	18.36	18.42	17.63	19
		12	0	18	17.99	17.79	19
		12	6	17.96	17.93	17.89	19
		12	13	18.15	17.93	17.88	19
		25	0	17.92	18.06	17.97	19
	64QAM	1	0	17.82	17.7	17.27	19
		1	13	17.97	17.85	17.48	19
		1	24	18	17.76	18.13	19
		12	0	17.95	17.48	17.51	19
		12	6	17.82	17.6	17.37	19
		12	13	17.99	17.64	17.22	19
		25	0	18.24	17.59	17.63	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26750	26865	26990	
10MHz	QPSK	1	0	17.99	17.97	17.86	19
		1	25	17.65	17.39	17.31	19
		1	49	17.91	17.87	17.86	19
		25	0	18.08	17.93	17.81	19
		25	13	18.01	17.9	17.92	19
		25	25	17.94	17.85	17.95	19
		50	0	18.06	17.91	17.84	19
	16QAM	1	0	18.41	18.26	17.75	19
		1	25	18.01	17.83	17.59	19
		1	49	17.73	18.32	18.09	19
		25	0	18.06	17.89	17.85	19
		25	13	17.93	17.83	17.76	19
		25	25	17.87	17.91	17.87	19
		50	0	17.85	17.81	17.88	19
	64QAM	1	0	17.86	17.75	17.22	19
		1	25	17.91	17.91	17.49	19
		1	49	18.04	17.79	18.17	19
		25	0	17.99	17.57	17.44	19
		25	13	17.8	17.61	17.38	19

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		25	25	18.04	17.68	17.32	19
		50	0	18.25	17.52	17.61	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26775	26865	26965	
15MHz	QPSK	1	0	18.04	17.89	17.99	19
		1	38	18	17.94	17.91	19
		1	74	17.92	17.76	17.61	19
		36	0	18.05	17.97	17.95	19
		36	18	18.02	17.99	17.93	19
		36	39	18.01	17.87	17.93	19
		75	0	18.05	17.92	17.85	19
	16QAM	1	0	18.26	18.18	18.41	19
		1	38	18.23	18.28	18.22	19
		1	74	18.27	18.13	18.16	19
		36	0	17.98	18.02	17.8	19
		36	18	17.97	17.88	17.85	19
		36	39	17.94	17.87	17.79	19
		75	0	17.96	17.91	17.7	19
	64QAM	1	0	17.86	17.63	17.29	19
		1	38	17.89	17.87	17.49	19
		1	74	17.98	17.84	18.15	19
		36	0	17.99	17.49	17.51	19
		36	18	17.85	17.57	17.35	19
		36	39	18.03	17.67	17.22	19
		75	0	18.27	17.51	17.53	19

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LTE Band 26 Receiver on(Left head) + BT + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	13.49	13.48	13.25	14.5
		1	2	13.72	13.25	12.87	14.5
		1	5	13.51	13.49	13.39	14.5
		3	0	13.47	13.06	13.45	14.5
		3	2	13.39	13.13	13.25	14.5
		3	3	13.53	12.99	13.49	14.5
		6	0	13.66	13.29	12.85	14.5
	16QAM	1	0	13.72	13.71	13.54	14.5
		1	2	13.59	13.47	13.42	14.5
		1	5	13.27	13.8	13.46	14.5
		3	0	13.42	13.57	13.18	14.5
		3	2	13.44	13.28	13.14	14.5
		3	3	13.66	13.23	13.17	14.5
		6	0	13.56	13.32	13.22	14.5
	64QAM	1	0	13.48	13.36	12.86	14.5
		1	2	13.56	13.5	13.18	14.5
		1	5	13.61	13.38	13.8	14.5
		3	0	13.43	13.13	13.08	14.5
		3	2	13.43	13.27	12.95	14.5
		3	3	13.68	13.18	12.9	14.5
		6	0	13.79	13.16	13.13	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	13.48	13.38	13.3	14.5
		1	7	12.81	13.53	12.83	14.5
		1	14	13.47	13.43	13.36	14.5
		8	0	13.36	13.48	13.32	14.5
		8	4	13.47	13.2	13.31	14.5
		8	7	13.45	13.3	13.17	14.5
		15	0	13.63	13.39	13.35	14.5
	16QAM	1	0	13.33	13.7	13.3	14.5
		1	7	13.19	13.66	12.97	14.5
		1	14	13.95	13.49	13.55	14.5
		8	0	13.57	13.47	13.12	14.5
		8	4	13.46	13.3	13.04	14.5
		8	7	13.4	13.4	12.95	14.5
		15	0	13.49	13.35	13.22	14.5
	64QAM	1	0	13.55	13.35	12.84	14.5
		1	7	13.57	13.54	13.17	14.5
		1	14	13.61	13.38	13.77	14.5
		8	0	13.44	13.06	13.05	14.5

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		8	4	13.49	13.19	12.95	14.5
		8	7	13.67	13.22	12.88	14.5
		15	0	13.74	13.17	13.17	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	13.63	13.51	13.31	14.5
		1	13	13.4	13.41	13.3	14.5
		1	24	13.49	13.33	13.3	14.5
		12	0	13.52	13.41	13.35	14.5
		12	6	13.49	13.33	13.18	14.5
		12	13	13.49	13.42	13.37	14.5
		25	0	13.42	13.42	13.41	14.5
	16QAM	1	0	13.57	13.68	13.8	14.5
		1	13	13.93	13.13	13.17	14.5
		1	24	13.75	13.7	13.7	14.5
		12	0	13.32	13.23	13.27	14.5
		12	6	13.5	13.3	13.28	14.5
		12	13	13.45	13.37	13.31	14.5
		25	0	13.37	13.31	13.23	14.5
	64QAM	1	0	13.54	13.3	12.84	14.5
		1	13	13.61	13.47	13.21	14.5
		1	24	13.59	13.39	13.73	14.5
		12	0	13.48	13.14	13.06	14.5
		12	6	13.45	13.31	12.97	14.5
		12	13	13.69	13.18	12.95	14.5
		25	0	13.76	13.21	13.17	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26750	26865	26990	
10MHz	QPSK	1	0	13.34	13.42	13.32	14.5
		1	25	13.58	13.42	13.1	14.5
		1	49	13.4	13.44	13.24	14.5
		25	0	13.48	13.46	13.37	14.5
		25	13	13.41	13.43	13.36	14.5
		25	25	13.39	13.31	13.39	14.5
		50	0	13.47	13.46	13.31	14.5
	16QAM	1	0	13.72	13.96	13.36	14.5
		1	25	13.69	12.92	12.97	14.5
		1	49	13.79	13.69	13.53	14.5
		25	0	13.36	13.25	13.19	14.5
		25	13	13.33	13.39	13.17	14.5
		25	25	13.34	13.38	13.29	14.5
		50	0	13.38	13.34	13.3	14.5
	64QAM	1	0	13.55	13.37	12.85	14.5
		1	25	13.61	13.56	13.15	14.5
		1	49	13.58	13.29	13.73	14.5
		25	0	13.46	13.06	13.03	14.5
		25	13	13.39	13.24	12.99	14.5

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		25	25	13.69	13.18	12.89	14.5
		50	0	13.76	13.21	13.2	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26775	26865	26965	
15MHz	QPSK	1	0	13.44	13.37	13.35	14.5
		1	38	13.33	13.41	13.34	14.5
		1	74	13.39	13.34	13.24	14.5
		36	0	13.45	13.43	13.34	14.5
		36	18	13.44	13.43	13.36	14.5
		36	39	13.46	13.35	13.33	14.5
		75	0	13.48	13.41	13.37	14.5
	16QAM	1	0	13.49	13.48	13.46	14.5
		1	38	13.2	13.7	13.67	14.5
		1	74	13.18	13.75	13.53	14.5
		36	0	13.51	13.36	13.37	14.5
		36	18	13.34	13.44	13.26	14.5
		36	39	13.36	13.39	13.32	14.5
		75	0	13.35	13.32	13.22	14.5
	64QAM	1	0	13.5	13.35	12.91	14.5
		1	38	13.53	13.52	13.12	14.5
		1	74	13.59	13.4	13.75	14.5
		36	0	13.54	13.1	13.05	14.5
		36	18	13.43	13.2	13	14.5
		36	39	13.63	13.25	12.93	14.5
		75	0	13.8	13.15	13.21	14.5

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LTE Band 26 Receiver on(Right head) + BT + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 26697	Channel 26865	Channel 27033	Tune up
1.4MHz	QPSK	1	0	14.08	13.95	13.92	15
		1	2	13.53	14.19	13.56	15
		1	5	14	14.02	13.93	15
		3	0	14.11	13.99	13.9	15
		3	2	13.38	13.59	13.36	15
		3	3	13.83	13.77	13.86	15
		6	0	13.98	13.51	13.73	15
	16QAM	1	0	14.49	14.22	13.78	15
		1	2	14.44	13.59	14.05	15
		1	5	13.94	14.33	14.29	15
		3	0	13.76	13.8	13.89	15
		3	2	13.9	13.63	13.73	15
		3	3	14.27	14.1	13.77	15
		6	0	13.83	13.78	13.77	15
	64QAM	1	0	13.9	13.75	13.32	15
		1	2	14	13.93	13.55	15
		1	5	14.08	13.85	14.17	15
		3	0	14.02	13.59	13.51	15
		3	2	13.9	13.66	13.46	15
		3	3	14.05	13.7	13.33	15
		6	0	14.27	13.61	13.63	15
Bandwidth	Modulation	RB size	RB offset	Channel 26705	Channel 26865	Channel 27025	Tune up
3MHz	QPSK	1	0	14.04	13.9	13.81	15
		1	7	14.7	13.73	13.62	15
		1	14	14.05	13.9	13.73	15
		8	0	13.85	13.84	13.66	15
		8	4	13.89	13.74	13.66	15
		8	7	13.83	13.6	13.92	15
		15	0	13.91	13.88	13.69	15
	16QAM	1	0	14.23	14	14.01	15
		1	7	13.12	14.08	13.4	15
		1	14	14.41	14.34	14.03	15
		8	0	14	13.72	13.76	15
		8	4	13.87	13.87	13.73	15
		8	7	14.02	13.89	13.72	15
		15	0	13.93	13.7	13.77	15
	64QAM	1	0	13.94	13.81	13.38	15
		1	7	14.02	13.95	13.53	15
		1	14	14.06	13.86	14.17	15
		8	0	14.02	13.6	13.53	15

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		8	4	13.93	13.64	13.45	15
		8	7	14.1	13.71	13.39	15
		15	0	14.29	13.61	13.69	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	13.94	13.93	13.94	15
		1	13	13.95	13.78	13.8	15
		1	24	14.03	13.87	13.71	15
		12	0	14.07	13.96	13.9	15
		12	6	14.05	13.93	13.83	15
		12	13	14.03	13.85	13.92	15
		25	0	13.96	13.85	13.74	15
	16QAM	1	0	14.02	14.05	14.07	15
		1	13	14.33	14.21	14.01	15
		1	24	13.92	13.89	13.89	15
		12	0	14	13.89	13.73	15
		12	6	13.98	13.87	13.68	15
		12	13	13.98	13.83	13.85	15
		25	0	13.86	13.89	13.81	15
	64QAM	1	0	13.91	13.79	13.33	15
		1	13	13.98	13.96	13.55	15
		1	24	14.07	13.88	14.21	15
		12	0	13.95	13.57	13.48	15
		12	6	13.86	13.66	13.41	15
		12	13	14.05	13.74	13.39	15
		25	0	14.22	13.55	13.7	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26750	26865	26990	
10MHz	QPSK	1	0	13.99	13.88	13.87	15
		1	25	13.89	13.79	13.41	15
		1	49	13.88	13.78	13.82	15
		25	0	14.03	13.86	13.89	15
		25	13	13.94	13.97	13.87	15
		25	25	13.98	13.86	13.9	15
		50	0	14	14	13.82	15
	16QAM	1	0	14.37	13.99	13.99	15
		1	25	14.09	13.89	13.98	15
		1	49	14.06	13.86	14.02	15
		25	0	13.92	13.94	13.77	15
		25	13	13.96	13.91	13.83	15
		25	25	13.79	13.77	13.81	15
		50	0	13.88	13.79	13.71	15
	64QAM	1	0	13.91	13.77	13.38	15
		1	25	13.97	13.97	13.56	15
		1	49	14.02	13.83	14.16	15
		25	0	14	13.55	13.54	15
		25	13	13.85	13.62	13.47	15

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		25	25	14.09	13.7	13.43	15
		50	0	14.24	13.58	13.7	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26775	26865	26965	
15MHz	QPSK	1	0	13.91	13.91	13.9	15
		1	38	13.86	13.88	13.77	15
		1	74	13.78	13.78	13.8	15
		36	0	13.98	13.9	13.87	15
		36	18	13.96	14.02	13.92	15
		36	39	13.87	13.93	13.86	15
		75	0	13.86	13.98	13.8	15
	16QAM	1	0	13.95	13.7	13.91	15
		1	38	14.14	14.34	13.87	15
		1	74	14.03	13.65	14.24	15
		36	0	13.97	13.87	13.8	15
		36	18	13.86	13.73	13.84	15
		36	39	13.9	13.84	13.76	15
		75	0	13.88	13.87	13.8	15
	64QAM	1	0	13.93	13.84	13.4	15
		1	38	13.98	13.99	13.55	15
		1	74	14	13.89	14.17	15
		36	0	14.02	13.55	13.52	15
		36	18	13.89	13.64	13.5	15
		36	39	14.06	13.66	13.35	15
		75	0	14.28	13.58	13.68	15

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LTE Band 26 Receiver off + BT + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	17.92	17.9	17.9	19
		1	2	17.86	16.85	16.79	19
		1	5	18.06	17.9	17.82	19
		3	0	17.73	17.87	17.69	19
		3	2	17.75	17.63	17.52	19
		3	3	17.74	17.7	17.47	19
		6	0	18.13	17.75	17.89	19
	16QAM	1	0	18.46	18.07	18.3	19
		1	2	18.1	18.31	17.13	19
		1	5	18.22	18.15	18.05	19
		3	0	17.78	17.83	17.43	19
		3	2	17.57	17.55	17.48	19
		3	3	17.93	17.85	17.66	19
		6	0	17.94	17.92	18.05	19
	64QAM	1	0	17.79	17.69	17.26	19
		1	2	17.89	17.86	17.48	19
		1	5	18.03	17.74	18.14	19
		3	0	17.96	17.56	17.44	19
		3	2	17.84	17.61	17.39	19
		3	3	18	17.68	17.25	19
		6	0	18.21	17.53	17.6	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	18.04	17.96	17.84	19
		1	7	17.51	17.75	17.31	19
		1	14	17.9	17.98	17.75	19
		8	0	17.97	17.95	17.73	19
		8	4	17.71	17.98	17.83	19
		8	7	18.03	17.86	17.82	19
		15	0	17.98	17.97	17.71	19
	16QAM	1	0	18.27	18.32	17.99	19
		1	7	18.15	18.09	17.72	19
		1	14	18.35	18.24	18.09	19
		8	0	17.8	17.96	17.93	19
		8	4	17.99	18	17.77	19
		8	7	17.84	17.88	17.75	19
		15	0	18.07	17.82	17.69	19
	64QAM	1	0	17.88	17.75	17.22	19
		1	7	17.92	17.84	17.55	19
		1	14	18.06	17.83	18.15	19
		8	0	17.97	17.48	17.5	19

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		8	4	17.81	17.58	17.37	19
		8	7	17.97	17.67	17.27	19
		15	0	18.24	17.57	17.56	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	18.06	17.84	17.84	19
		1	13	17.95	17.93	17.89	19
		1	24	18.02	17.92	17.7	19
		12	0	18.08	17.96	17.82	19
		12	6	18.16	17.8	17.69	19
		12	13	18.01	18.05	17.85	19
		25	0	17.96	17.94	17.76	19
	16QAM	1	0	18.26	18.4	18.43	19
		1	13	17.63	17.95	18.31	19
		1	24	18.36	18.42	17.63	19
		12	0	18	17.99	17.79	19
		12	6	17.96	17.93	17.89	19
		12	13	18.15	17.93	17.88	19
		25	0	17.92	18.06	17.97	19
	64QAM	1	0	17.82	17.7	17.27	19
		1	13	17.97	17.85	17.48	19
		1	24	18	17.76	18.13	19
		12	0	17.95	17.48	17.51	19
		12	6	17.82	17.6	17.37	19
		12	13	17.99	17.64	17.22	19
		25	0	18.24	17.59	17.63	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26750	26865	26990	
10MHz	QPSK	1	0	17.99	17.97	17.86	19
		1	25	17.65	17.39	17.31	19
		1	49	17.91	17.87	17.86	19
		25	0	18.08	17.93	17.81	19
		25	13	18.01	17.9	17.92	19
		25	25	17.94	17.85	17.95	19
		50	0	18.06	17.91	17.84	19
	16QAM	1	0	18.41	18.26	17.75	19
		1	25	18.01	17.83	17.59	19
		1	49	17.73	18.32	18.09	19
		25	0	18.06	17.89	17.85	19
		25	13	17.93	17.83	17.76	19
		25	25	17.87	17.91	17.87	19
		50	0	17.85	17.81	17.88	19
	64QAM	1	0	17.86	17.75	17.22	19
		1	25	17.91	17.91	17.49	19
		1	49	18.04	17.79	18.17	19
		25	0	17.99	17.57	17.44	19
		25	13	17.8	17.61	17.38	19

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		25	25	18.04	17.68	17.32	19
		50	0	18.25	17.52	17.61	19
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26775	26865	26965	
15MHz	QPSK	1	0	18.04	17.89	17.99	19
		1	38	18	17.94	17.91	19
		1	74	17.92	17.76	17.61	19
		36	0	18.05	17.97	17.95	19
		36	18	18.02	17.99	17.93	19
		36	39	18.01	17.87	17.93	19
		75	0	18.05	17.92	17.85	19
	16QAM	1	0	18.26	18.18	18.41	19
		1	38	18.23	18.28	18.22	19
		1	74	18.27	18.13	18.16	19
		36	0	17.98	18.02	17.8	19
		36	18	17.97	17.88	17.85	19
		36	39	17.94	17.87	17.79	19
		75	0	17.96	17.91	17.7	19
	64QAM	1	0	17.86	17.63	17.29	19
		1	38	17.89	17.87	17.49	19
		1	74	17.98	17.84	18.15	19
		36	0	17.99	17.49	17.51	19
		36	18	17.85	17.57	17.35	19
		36	39	18.03	17.67	17.22	19
		75	0	18.27	17.51	17.53	19

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LTE Band 26 Receiver on(Left head) + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	15.53	15.4	15.3	16.5
		1	2	15.74	15.16	15.48	16.5
		1	5	15.44	15.48	15.4	16.5
		3	0	15.42	15.11	15.27	16.5
		3	2	15.72	15.42	15.08	16.5
		3	3	15.28	15.43	15.19	16.5
		6	0	15.48	15.31	15.02	16.5
	16QAM	1	0	15.9	15.75	15.71	16.5
		1	2	15.68	15.42	15.61	16.5
		1	5	16	15.76	15.13	16.5
		3	0	15.57	15.42	15.26	16.5
		3	2	15.8	15.39	15.15	16.5
		3	3	15.33	15.39	15.47	16.5
		6	0	15.39	15.34	15.24	16.5
	64QAM	1	0	15.28	15.13	15.07	16.5
		1	2	15.33	15.41	15.32	16.5
		1	5	15.54	15.32	15.24	16.5
		3	0	15.05	14.92	15.03	16.5
		3	2	14.79	14.95	14.88	16.5
		3	3	15.13	14.92	14.97	16.5
		6	0	14.91	15	14.95	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	15.5	15.44	15.34	16.5
		1	7	14.85	14.24	15.05	16.5
		1	14	15.47	15.45	15.34	16.5
		8	0	15.35	15.25	15.31	16.5
		8	4	15.26	14.92	15.36	16.5
		8	7	15.58	15.28	14.94	16.5
		15	0	15.53	15.48	15.36	16.5
	16QAM	1	0	15.72	15.89	15.7	16.5
		1	7	15.12	15.3	15.62	16.5
		1	14	15.38	15.68	15.73	16.5
		8	0	15.54	15.36	14.98	16.5
		8	4	15.47	15.39	15.4	16.5
		8	7	15.26	15.26	15.36	16.5
		15	0	15.47	15.42	15.14	16.5
	64QAM	1	0	15.25	15.12	15.05	16.5
		1	7	15.3	15.36	15.33	16.5
		1	14	15.57	15.39	15.19	16.5
		8	0	15.08	14.91	14.97	16.5

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		8	4	14.83	14.97	14.91	16.5
		8	7	15.13	14.91	14.98	16.5
		15	0	14.89	14.98	14.99	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	15.49	15.46	15.33	16.5
		1	13	15.6	15.44	15.35	16.5
		1	24	15.5	15.38	15.33	16.5
		12	0	15.57	15.51	15.41	16.5
		12	6	15.12	15.57	14.92	16.5
		12	13	15.5	15.51	15.27	16.5
		25	0	15.57	15.38	15.24	16.5
	16QAM	1	0	15.99	15.74	15.82	16.5
		1	13	15.96	15.29	15.69	16.5
		1	24	15.25	15.8	15.59	16.5
		12	0	15.52	15.53	15.36	16.5
		12	6	15.55	15.4	15.12	16.5
		12	13	15.62	15.28	15.39	16.5
		25	0	15.36	15.48	15.26	16.5
	64QAM	1	0	15.29	15.1	15.01	16.5
		1	13	15.26	15.31	15.37	16.5
		1	24	15.63	15.37	15.25	16.5
		12	0	15.14	14.97	15	16.5
		12	6	14.87	14.93	14.94	16.5
		12	13	15.23	14.89	15	16.5
		25	0	14.91	14.98	14.96	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26750	26865	26990	
10MHz	QPSK	1	0	15.5	15.47	15.39	16.5
		1	25	15.22	15.77	15.24	16.5
		1	49	15.42	15.36	15.38	16.5
		25	0	15.55	15.47	15.34	16.5
		25	13	15.47	15.44	15.34	16.5
		25	25	15.44	15.29	15.35	16.5
		50	0	15.56	15.47	15.39	16.5
	16QAM	1	0	15.3	15.9	15.66	16.5
		1	25	15.85	15.78	15.32	16.5
		1	49	15.72	15.67	15.6	16.5
		25	0	15.4	15.44	15.35	16.5
		25	13	15.35	15.41	15.39	16.5
		25	25	15.33	15.22	15.17	16.5
		50	0	15.4	15.41	15.3	16.5
	64QAM	1	0	15.17	15.11	15.03	16.5
		1	25	15.29	15.32	15.39	16.5
		1	49	15.53	15.29	15.22	16.5
		25	0	15.12	14.95	15.01	16.5
		25	13	14.79	14.93	14.98	16.5

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		25	25	15.23	14.87	14.98	16.5
		50	0	14.87	14.95	14.98	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26775	26865	26965	
15MHz	QPSK	1	0	15.51	15.38	15.37	16.5
		1	38	15.61	15.46	15.38	16.5
		1	74	15.4	15.35	15.33	16.5
		36	0	15.53	15.51	15.43	16.5
		36	18	15.55	15.5	15.35	16.5
		36	39	15.47	15.42	15.41	16.5
		75	0	15.46	15.47	15.46	16.5
	16QAM	1	0	15.86	15.81	15.46	16.5
		1	38	15.46	15.89	15.65	16.5
		1	74	15.34	15.68	15.47	16.5
		36	0	15.59	15.45	15.46	16.5
		36	18	15.46	15.46	15.37	16.5
		36	39	15.39	15.44	15.32	16.5
		75	0	15.39	15.4	15.32	16.5
	64QAM	1	0	15.2	15.12	15.09	16.5
		1	38	15.34	15.34	15.31	16.5
		1	74	15.54	15.28	15.21	16.5
		36	0	15.08	14.9	14.99	16.5
		36	18	14.85	14.92	14.97	16.5
		36	39	15.15	14.88	14.99	16.5
		75	0	14.9	14.95	14.94	16.5

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LTE Band 26 Receiver on(Right head) + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	16.05	15.93	15.77	17
		1	2	16.18	15.62	15.98	17
		1	5	15.95	15.98	15.83	17
		3	0	15.78	15.94	15.94	17
		3	2	16.08	15.6	14.67	17
		3	3	16.02	15.85	15.87	17
		6	0	16.01	16.03	15.53	17
	16QAM	1	0	16.18	15.98	15.55	17
		1	2	16.36	16.35	15.83	17
		1	5	16.27	15.94	16.37	17
		3	0	16.17	15.82	15.89	17
		3	2	16.2	16	15.7	17
		3	3	16.3	15.92	15.71	17
		6	0	16.33	15.92	15.92	17
	64QAM	1	0	16.06	15.85	15.38	17
		1	2	16.19	16.16	15.82	17
		1	5	16.15	15.83	16.34	17
		3	0	16	15.67	15.79	17
		3	2	16	15.87	15.64	17
		3	3	16.15	15.89	15.63	17
		6	0	16.18	15.78	15.76	17
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	16.04	15.92	15.85	17
		1	7	15.57	15.71	15.69	17
		1	14	15.97	15.9	15.79	17
		8	0	15.88	16.07	15.79	17
		8	4	15.88	16.02	15.68	17
		8	7	15.81	15.95	15.83	17
		15	0	15.98	15.92	15.94	17
	16QAM	1	0	16.66	15.78	16.19	17
		1	7	15.51	15.99	15.58	17
		1	14	16.37	16.08	16.13	17
		8	0	15.92	15.78	15.6	17
		8	4	16.05	15.89	15.69	17
		8	7	16.01	15.88	15.74	17
		15	0	15.86	15.93	15.66	17
	64QAM	1	0	15.99	15.9	15.36	17
		1	7	16.27	16.33	15.69	17
		1	14	16.08	15.94	16.28	17
		8	0	16.06	15.67	15.77	17

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		8	4	16.08	15.84	15.64	17
		8	7	16.17	15.76	15.7	17
		15	0	16.27	15.85	15.8	17
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	16.07	15.98	15.84	17
		1	13	16.03	15.97	15.8	17
		1	24	15.94	15.96	15.85	17
		12	0	15.99	15.94	15.84	17
		12	6	15.95	16.03	15.91	17
		12	13	16.07	15.96	15.9	17
		25	0	15.93	15.84	15.88	17
	16QAM	1	0	15.95	16.39	16.19	17
		1	13	16.62	15.89	16.01	17
		1	24	16.4	15.93	16.12	17
		12	0	15.93	15.93	15.91	17
		12	6	15.87	15.84	15.78	17
		12	13	15.98	16	15.91	17
		25	0	15.84	15.84	15.75	17
	64QAM	1	0	16.07	15.94	15.51	17
		1	13	16.26	16.2	15.73	17
		1	24	16.23	15.79	16.36	17
		12	0	16.14	15.71	15.82	17
		12	6	16.2	15.96	15.69	17
		12	13	16.16	15.91	15.61	17
		25	0	16.31	15.73	15.89	17
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26750	26865	26990	
10MHz	QPSK	1	0	16.03	15.99	15.93	17
		1	25	16.14	15.4	16.22	17
		1	49	15.86	15.86	15.85	17
		25	0	16.03	15.98	15.85	17
		25	13	16.01	15.96	15.84	17
		25	25	15.96	15.94	15.75	17
		50	0	15.93	15.96	15.89	17
	16QAM	1	0	16.29	15.79	16.06	17
		1	25	16.52	15.95	15.76	17
		1	49	16.17	16.04	16.15	17
		25	0	15.95	15.86	15.77	17
		25	13	15.9	15.84	15.87	17
		25	25	15.84	15.84	15.72	17
		50	0	15.96	15.92	15.82	17
	64QAM	1	0	16.16	15.9	15.48	17
		1	25	16.2	16.29	15.82	17
		1	49	16.23	15.82	16.18	17
		25	0	16.09	15.63	15.71	17
		25	13	16.09	15.96	15.52	17

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		25	25	16.27	15.91	15.66	17
		50	0	16.14	15.8	15.86	17
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26775	26865	26965	
15MHz	QPSK	1	0	15.84	15.93	15.91	17
		1	38	15.87	15.82	15.81	17
		1	74	15.83	15.89	15.78	17
		36	0	15.96	16	15.94	17
		36	18	15.94	15.98	15.86	17
		36	39	15.98	15.9	15.79	17
		75	0	15.97	15.95	15.84	17
	16QAM	1	0	15.73	16.26	16.1	17
		1	38	15.82	16.12	16.27	17
		1	74	16.1	16.29	15.55	17
		36	0	15.93	15.9	15.78	17
		36	18	15.78	15.89	15.86	17
		36	39	15.84	15.77	15.77	17
		75	0	15.82	15.85	15.71	17
	64QAM	1	0	16.15	15.97	15.46	17
		1	38	16.22	16.18	15.77	17
		1	74	16.27	15.93	16.34	17
		36	0	16.11	15.7	15.75	17
		36	18	16.05	15.88	15.55	17
		36	39	16.27	15.84	15.54	17
		75	0	16.33	15.8	15.76	17

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LTE Band 26 Receiver off + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	20.07	19.87	19.96	21
		1	2	20.22	20.23	18.88	21
		1	5	20.06	19.94	19.8	21
		3	0	20	19.64	19.6	21
		3	2	19.89	19.7	19.93	21
		3	3	20.03	19.75	19.81	21
		6	0	19.99	19.78	19.52	21
	16QAM	1	0	20.28	20.26	19.98	21
		1	2	20.05	19.88	19.71	21
		1	5	20.16	20.24	20.08	21
		3	0	20.25	19.85	19.59	21
		3	2	20.16	19.95	19.41	21
		3	3	19.86	19.82	19.71	21
		6	0	19.94	19.83	19.83	21
	64QAM	1	0	20.09	19.91	19.42	21
		1	2	20.13	20.08	19.73	21
		1	5	20.16	19.9	20.33	21
		3	0	20.04	19.65	19.64	21
		3	2	20	19.81	19.51	21
		3	3	20.23	19.79	19.48	21
		6	0	20.31	19.74	19.72	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	19.94	19.8	19.73	21
		1	7	20.46	19.52	19.62	21
		1	14	20.02	19.9	19.68	21
		8	0	20.08	20	19.7	21
		8	4	20.03	19.99	19.67	21
		8	7	19.99	19.98	19.6	21
		15	0	19.97	19.83	19.77	21
	16QAM	1	0	19.6	20.22	20.21	21
		1	7	19.87	20.37	19.01	21
		1	14	20.1	20.45	20.28	21
		8	0	20.02	19.92	19.47	21
		8	4	19.96	19.94	19.87	21
		8	7	19.91	20.06	19.78	21
		15	0	19.85	19.87	19.88	21
	64QAM	1	0	20.05	19.96	19.37	21
		1	7	20.15	20.1	19.68	21
		1	14	20.2	19.82	20.24	21
		8	0	20.1	19.7	19.74	21

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		8	4	19.97	19.84	19.51	21
		8	7	20.19	19.81	19.51	21
		15	0	20.24	19.78	19.66	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	20.05	19.9	19.72	21
		1	13	20.08	20.01	19.78	21
		1	24	20.08	19.87	19.76	21
		12	0	20.09	19.98	19.83	21
		12	6	20.02	19.89	19.76	21
		12	13	20.02	19.97	19.91	21
		25	0	19.96	19.95	19.87	21
	16QAM	1	0	20.27	20.32	20.2	21
		1	13	20.16	20.3	20.27	21
		1	24	20.21	20.12	20.03	21
		12	0	20.07	19.94	19.87	21
		12	6	20.16	19.9	19.87	21
		12	13	20.08	19.89	19.92	21
		25	0	20.03	19.78	19.83	21
	64QAM	1	0	20.12	19.95	19.41	21
		1	13	20.1	20.12	19.77	21
		1	24	20.17	19.92	20.25	21
		12	0	20.06	19.68	19.64	21
		12	6	20.01	19.81	19.54	21
		12	13	20.22	19.79	19.43	21
		25	0	20.32	19.78	19.68	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26750	26865	26990	
10MHz	QPSK	1	0	20.11	19.96	19.92	21
		1	25	20.11	19.74	20.09	21
		1	49	19.95	19.88	19.83	21
		25	0	20.02	20	19.83	21
		25	13	19.98	20.01	19.76	21
		25	25	19.95	19.96	19.84	21
		50	0	20.03	20	19.93	21
	16QAM	1	0	19.98	20.15	19.9	21
		1	25	20.53	19.54	19	21
		1	49	20.18	20.18	20.07	21
		25	0	20.08	19.79	19.73	21
		25	13	19.82	19.92	19.83	21
		25	25	19.88	19.91	19.76	21
		50	0	19.93	19.93	19.73	21
	64QAM	1	0	20.15	19.89	19.4	21
		1	25	20.21	20.14	19.73	21
		1	49	20.18	19.83	20.31	21
		25	0	20.1	19.67	19.72	21
		25	13	20.02	19.82	19.53	21

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		25	25	20.18	19.76	19.54	21
		50	0	20.31	19.71	19.7	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26775	26865	26965	
15MHz	QPSK	1	0	19.86	19.8	19.88	21
		1	38	19.89	19.97	19.91	21
		1	74	19.84	19.89	19.75	21
		36	0	19.97	20.04	19.94	21
		36	18	19.96	20.06	19.76	21
		36	39	19.93	19.93	19.87	21
		75	0	19.95	19.87	19.94	21
	16QAM	1	0	20.37	20.2	20.13	21
		1	38	20.09	20.13	20.21	21
		1	74	20.29	19.95	20.18	21
		36	0	20.01	19.91	19.83	21
		36	18	19.87	19.95	19.78	21
		36	39	20.08	19.85	19.74	21
		75	0	19.95	19.9	19.82	21
	64QAM	1	0	20.05	19.87	19.46	21
		1	38	20.2	20.09	19.68	21
		1	74	20.17	19.83	20.32	21
		36	0	20	19.65	19.69	21
		36	18	19.94	19.83	19.46	21
		36	39	20.17	19.73	19.43	21
		75	0	20.25	19.76	19.69	21

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LTE Band 38 Receiver on(Left head)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	16.84	16.84	16.94	17.5
		1	13	16.78	16.85	16.91	17.5
		1	24	16.89	16.85	16.93	17.5
		12	0	16.92	16.97	17.05	17.5
		12	6	16.93	16.87	17	17.5
		12	13	16.96	16.98	17.04	17.5
		25	0	16.95	16.96	16.98	17.5
	16QAM	1	0	16.97	17.04	17.08	17.5
		1	13	16.94	17	17.04	17.5
		1	24	16.99	17.06	17.13	17.5
		12	0	16.87	16.85	16.93	17.5
		12	6	16.83	16.84	16.86	17.5
		12	13	16.89	16.88	16.94	17.5
		25	0	16.89	16.88	16.9	17.5
	64QAM	1	0	16.97	16.84	16.87	17.5
		1	13	15.96	15.98	15.91	17.5
		1	24	16.72	16.59	16.86	17.5
		12	0	16.68	16.57	16.54	17.5
		12	6	16.51	16.48	16.56	17.5
		12	13	16.52	16.63	16.45	17.5
		25	0	16.53	16.64	16.52	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	16.77	16.74	16.87	17.5
		1	25	16.8	16.81	16.79	17.5
		1	49	16.84	16.84	16.88	17.5
		25	0	16.86	16.85	16.94	17.5
		25	13	16.86	16.81	16.94	17.5
		25	25	16.92	16.88	16.98	17.5
		50	0	16.87	16.87	16.97	17.5
	16QAM	1	0	16.88	16.81	17	17.5
		1	25	16.86	17.19	16.9	17.5
		1	49	16.89	16.88	16.95	17.5
		25	0	16.8	16.79	16.83	17.5
		25	13	16.87	16.84	16.93	17.5
		25	25	16.87	16.83	16.85	17.5
		50	0	16.84	16.77	16.91	17.5
	64QAM	1	0	17.05	16.85	16.91	17.5
		1	25	15.98	16.03	15.95	17.5
		1	49	16.69	16.61	16.84	17.5
		25	0	16.65	16.63	16.5	17.5

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		25	13	16.51	16.48	16.57	17.5
		25	25	16.51	16.62	16.44	17.5
		50	0	16.51	16.58	16.48	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	16.87	16.75	16.87	17.5
		1	38	16.86	16.84	16.91	17.5
		1	74	16.82	16.85	16.86	17.5
		36	0	16.9	16.86	16.91	17.5
		36	18	16.9	16.87	16.9	17.5
		36	39	16.85	16.9	16.92	17.5
		75	0	16.84	16.87	16.89	17.5
	16QAM	1	0	16.98	16.93	17.03	17.5
		1	38	17.06	16.99	17.03	17.5
		1	74	17	16.89	16.97	17.5
		36	0	16.84	16.76	16.81	17.5
		36	18	16.82	16.78	16.83	17.5
		36	39	16.79	16.79	16.81	17.5
		75	0	16.74	16.74	16.77	17.5
	64QAM	1	0	17.01	16.79	16.87	17.5
		1	38	15.99	15.97	15.96	17.5
		1	74	16.65	16.61	16.87	17.5
		36	0	16.63	16.56	16.5	17.5
		36	18	16.49	16.54	16.55	17.5
		36	39	16.56	16.61	16.49	17.5
		75	0	16.55	16.57	16.54	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	16.94	16.89	16.93	17.5
		1	50	16.27	16.29	16.2	17.5
		1	99	16.92	16.99	16.98	17.5
		50	0	16.83	16.88	16.85	17.5
		50	25	16.82	16.78	16.81	17.5
		50	50	16.84	16.93	16.91	17.5
		100	0	16.83	16.83	16.85	17.5
	16QAM	1	0	17.04	17.06	17.13	17.5
		1	50	16.65	16.59	16.99	17.5
		1	99	16.97	16.96	17.08	17.5
		50	0	16.82	16.74	16.8	17.5
		50	25	16.76	16.73	16.77	17.5
		50	50	16.76	16.75	16.86	17.5
		100	0	16.77	16.79	16.78	17.5

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	64QAM	1	0	17.01	16.77	16.91	17.5
		1	50	15.99	15.96	15.95	17.5
		1	99	16.68	16.6	16.77	17.5
		50	0	16.65	16.63	16.47	17.5
		50	25	16.52	16.49	16.57	17.5
		50	50	16.53	16.59	16.46	17.5
		100	0	16.59	16.63	16.48	17.5

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LTE Band 38 Receiver on(Right head)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	15.92	15.96	16.1	16.5
		1	13	15.96	15.98	16.01	16.5
		1	24	15.91	15.96	16.02	16.5
		12	0	16.02	16.07	16.13	16.5
		12	6	15.97	15.99	16	16.5
		12	13	16.05	16.07	16.11	16.5
		25	0	16.05	16.05	16.08	16.5
	16QAM	1	0	16.05	16.24	16.3	16.5
		1	13	16.07	16.12	16.28	16.5
		1	24	16.07	16.22	16.29	16.5
		12	0	15.96	15.97	16.03	16.5
		12	6	15.95	15.94	15.98	16.5
		12	13	15.97	15.93	16.03	16.5
		25	0	15.92	15.95	15.99	16.5
	64QAM	1	0	16.08	16.02	16.08	16.5
		1	13	15.09	15.11	15.02	16.5
		1	24	15.81	15.82	15.95	16.5
		12	0	15.81	15.82	15.64	16.5
		12	6	15.7	15.69	15.71	16.5
		12	13	15.69	15.66	15.62	16.5
		25	0	15.7	15.69	15.68	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	15.91	15.93	16.06	16.5
		1	25	16.09	15.93	16.15	16.5
		1	49	15.95	15.95	16.01	16.5
		25	0	16.04	16.06	16.08	16.5
		25	13	16	16.03	16.09	16.5
		25	25	16.06	15.99	16.11	16.5
		50	0	15.99	15.99	16.1	16.5
	16QAM	1	0	16.24	16.23	16.3	16.5
		1	25	16.16	16.14	16.35	16.5
		1	49	16.27	16.22	16.27	16.5
		25	0	15.91	15.94	16	16.5
		25	13	15.94	15.91	16.05	16.5
		25	25	15.96	15.91	16.03	16.5
		50	0	15.94	15.94	16.03	16.5
	64QAM	1	0	16.17	16.07	16.14	16.5
		1	25	15.12	15.19	15.07	16.5
		1	49	15.84	15.85	15.9	16.5
		25	0	15.8	15.84	15.66	16.5

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		25	13	15.72	15.7	15.68	16.5
		25	25	15.68	15.69	15.66	16.5
		50	0	15.75	15.69	15.71	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	15.95	15.96	15.95	16.5
		1	38	16.05	16.02	16.01	16.5
		1	74	16.03	16	16.01	16.5
		36	0	16.02	16.04	16.12	16.5
		36	18	16.02	16.03	16.02	16.5
		36	39	15.99	16.06	16.09	16.5
		75	0	16	16.07	16	16.5
	16QAM	1	0	16.2	16.1	16.16	16.5
		1	38	16.19	16.2	16.22	16.5
		1	74	16.17	16.13	16.28	16.5
		36	0	15.94	15.97	16.03	16.5
		36	18	15.91	15.96	15.96	16.5
		36	39	15.96	15.97	16	16.5
		75	0	15.94	15.94	15.93	16.5
	64QAM	1	0	16.09	16.03	16.12	16.5
		1	38	15.08	15.13	15.06	16.5
		1	74	15.83	15.84	15.9	16.5
		36	0	15.78	15.77	15.64	16.5
		36	18	15.71	15.74	15.67	16.5
		36	39	15.75	15.66	15.66	16.5
		75	0	15.68	15.76	15.74	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	16.02	16.03	16.05	16.5
		1	50	15.96	15.86	15.95	16.5
		1	99	16.02	16.15	16.1	16.5
		50	0	15.98	15.99	16.08	16.5
		50	25	15.98	15.96	16.05	16.5
		50	50	15.99	16.14	16.1	16.5
		100	0	15.97	16.02	16.08	16.5
	16QAM	1	0	16.22	16.21	16.32	16.5
		1	50	16.11	16.26	16.4	16.5
		1	99	16.16	16.18	16.32	16.5
		50	0	15.92	15.91	16.01	16.5
		50	25	15.89	15.86	15.97	16.5
		50	50	15.94	15.94	16.02	16.5
		100	0	15.94	15.97	16.01	16.5

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	64QAM	1	0	16.17	15.99	16.05	16.5
		1	50	15.17	15.13	15.1	16.5
		1	99	15.83	15.8	15.97	16.5
		50	0	15.83	15.76	15.68	16.5
		50	25	15.67	15.7	15.69	16.5
		50	50	15.69	15.74	15.6	16.5
		100	0	15.69	15.75	15.68	16.5

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LTE Band 38 Receiver off (Full Power)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	18.86	18.88	19.1	19.5
		1	13	18.92	18.88	19.13	19.5
		1	24	18.8	19.04	19.07	19.5
		12	0	19.02	18.93	19.19	19.5
		12	6	18.74	18.94	19.11	19.5
		12	13	18.9	19.01	19.14	19.5
		25	0	18.92	18.93	19.2	19.5
	16QAM	1	0	18.75	18.86	18.98	19.5
		1	13	18.87	18.87	19.08	19.5
		1	24	19.05	18.83	19.03	19.5
		12	0	18.85	19.05	19.18	19.5
		12	6	18.83	18.85	18.93	19.5
		12	13	18.89	18.86	19.14	19.5
		25	0	18.86	18.91	19.19	19.5
	64QAM	1	0	19.08	19.08	19.05	19.5
		1	13	18.1	18.12	18.03	19.5
		1	24	18.77	18.8	18.88	19.5
		12	0	18.86	18.74	18.72	19.5
		12	6	18.63	18.59	18.71	19.5
		12	13	18.7	18.72	18.6	19.5
		25	0	18.76	18.72	18.6	19.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	18.76	18.83	18.98	19.5
		1	25	18.57	19	19.32	19.5
		1	49	18.94	19.04	19.04	19.5
		25	0	18.94	18.92	19	19.5
		25	13	18.96	18.91	19.18	19.5
		25	25	19.01	18.99	19.08	19.5
		50	0	18.94	18.99	19.07	19.5
	16QAM	1	0	18.83	18.71	19.08	19.5
		1	25	18.78	19.32	18.54	19.5
		1	49	18.89	18.97	19.21	19.5
		25	0	18.89	18.84	18.9	19.5
		25	13	18.78	18.71	18.86	19.5
		25	25	18.88	18.79	19.01	19.5
		50	0	18.82	18.81	18.86	19.5
	64QAM	1	0	19.15	18.97	18.99	19.5
		1	25	18.06	18.17	18.05	19.5
		1	49	18.88	18.76	18.98	19.5
		25	0	18.82	18.81	18.63	19.5

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		25	13	18.61	18.66	18.66	19.5
		25	25	18.72	18.71	18.58	19.5
		50	0	18.64	18.76	18.73	19.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	18.75	18.78	18.99	19.5
		1	38	18.91	19.1	19.03	19.5
		1	74	18.83	18.93	19.03	19.5
		36	0	19.03	18.89	19.11	19.5
		36	18	18.96	19	19.09	19.5
		36	39	18.96	19.09	19.17	19.5
		75	0	19	18.95	19.04	19.5
	16QAM	1	0	18.92	18.81	19.26	19.5
		1	38	19.06	18.96	18.81	19.5
		1	74	18.82	19.13	19.06	19.5
		36	0	18.86	18.9	19.05	19.5
		36	18	19.01	18.87	18.93	19.5
		36	39	19.02	19.05	19.11	19.5
		75	0	18.89	18.85	18.98	19.5
	64QAM	1	0	19.1	19.08	19.04	19.5
		1	38	18.06	18.19	18.01	19.5
		1	74	18.79	18.86	18.94	19.5
		36	0	18.86	18.82	18.65	19.5
		36	18	18.73	18.69	18.61	19.5
		36	39	18.73	18.7	18.62	19.5
		75	0	18.69	18.75	18.73	19.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	18.89	18.99	18.97	19.5
		1	50	18.87	19.08	19.01	19.5
		1	99	19.03	19.02	19.2	19.5
		50	0	18.91	19.03	19.03	19.5
		50	25	18.89	18.84	19.11	19.5
		50	50	19.02	18.96	19.14	19.5
		100	0	19	18.92	19.1	19.5
	16QAM	1	0	19.26	19.18	19.24	19.5
		1	50	18.52	19	19.33	19.5
		1	99	19.05	19.09	19.24	19.5
		50	0	18.81	18.82	18.92	19.5
		50	25	18.85	18.92	18.93	19.5
		50	50	18.95	18.91	18.99	19.5
		100	0	18.79	18.89	18.93	19.5

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	64QAM	1	0	19.17	19.1	19.14	19.5
		1	50	18.17	18.21	18.12	19.5
		1	99	18.91	18.88	18.99	19.5
		50	0	18.87	18.86	18.73	19.5
		50	25	18.73	18.74	18.75	19.5
		50	50	18.75	18.75	18.7	19.5
		100	0	18.78	18.78	18.74	19.5

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LTE Band 38 Receiver off + hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	15.78	15.93	16.02	16.5
		1	13	15.95	15.98	16.06	16.5
		1	24	15.85	15.89	16	16.5
		12	0	15.97	15.98	16.03	16.5
		12	6	15.83	15.9	15.85	16.5
		12	13	15.98	15.96	16.13	16.5
		25	0	16.02	15.82	15.95	16.5
	16QAM	1	0	16.04	16.05	15.97	16.5
		1	13	16	15.96	16.09	16.5
		1	24	16	15.86	16.21	16.5
		12	0	15.96	15.91	16.13	16.5
		12	6	15.97	15.85	16.12	16.5
		12	13	15.85	15.91	16.13	16.5
		25	0	15.77	15.75	16.05	16.5
	64QAM	1	0	16.11	15.94	15.98	16.5
		1	13	15.13	15.13	15.06	16.5
		1	24	15.82	15.71	15.87	16.5
		12	0	15.8	15.65	15.58	16.5
		12	6	15.59	15.63	15.62	16.5
		12	13	15.63	15.68	15.54	16.5
		25	0	15.65	15.64	15.63	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	15.81	15.84	16.02	16.5
		1	25	16.11	15.78	16.14	16.5
		1	49	15.91	15.9	15.97	16.5
		25	0	15.79	15.94	16	16.5
		25	13	15.88	15.88	16.11	16.5
		25	25	15.98	15.91	16.12	16.5
		50	0	15.89	15.86	16.1	16.5
	16QAM	1	0	15.82	15.69	16.07	16.5
		1	25	15.65	16.17	16.38	16.5
		1	49	15.86	15.91	15.94	16.5
		25	0	15.7	15.78	15.94	16.5
		25	13	15.66	15.68	16.07	16.5
		25	25	15.96	15.93	15.94	16.5
		50	0	15.85	15.92	15.94	16.5
	64QAM	1	0	16.14	15.9	16.01	16.5
		1	25	15.12	15.06	15.03	16.5
		1	49	15.83	15.79	15.91	16.5
		25	0	15.78	15.68	15.65	16.5

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		25	13	15.57	15.62	15.66	16.5
		25	25	15.59	15.69	15.53	16.5
		50	0	15.6	15.66	15.6	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	15.84	15.77	15.9	16.5
		1	38	15.89	15.96	16	16.5
		1	74	15.84	16.01	16.09	16.5
		36	0	15.9	15.82	16.11	16.5
		36	18	16.05	15.87	16.11	16.5
		36	39	15.97	16.02	16.07	16.5
		75	0	15.9	15.89	15.93	16.5
	16QAM	1	0	15.75	15.97	15.86	16.5
		1	38	15.72	16	16.23	16.5
		1	74	15.78	16.06	16	16.5
		36	0	15.79	15.8	15.96	16.5
		36	18	15.83	15.99	15.99	16.5
		36	39	15.78	15.94	15.98	16.5
		75	0	15.78	15.86	15.96	16.5
	64QAM	1	0	16.16	15.89	15.95	16.5
		1	38	15.07	15.05	15.05	16.5
		1	74	15.82	15.77	15.96	16.5
		36	0	15.74	15.75	15.62	16.5
		36	18	15.57	15.69	15.63	16.5
		36	39	15.63	15.69	15.51	16.5
		75	0	15.58	15.66	15.65	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	16.04	15.91	16.07	16.5
		1	50	15.75	16.28	16.08	16.5
		1	99	16.05	16.14	16.29	16.5
		50	0	15.93	15.94	16.07	16.5
		50	25	15.9	15.85	16.09	16.5
		50	50	15.95	15.97	16.13	16.5
		100	0	15.91	15.92	16.1	16.5
	16QAM	1	0	15.93	15.86	15.93	16.5
		1	50	15.41	15.78	15.99	16.5
		1	99	15.89	16.24	15.75	16.5
		50	0	15.87	15.88	15.99	16.5
		50	25	15.84	15.94	16.01	16.5
		50	50	15.88	15.85	16.06	16.5
		100	0	15.81	15.96	15.99	16.5

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	64QAM	1	0	16.16	15.93	15.95	16.5
		1	50	15.17	15.08	15.03	16.5
		1	99	15.79	15.77	15.88	16.5
		50	0	15.74	15.71	15.58	16.5
		50	25	15.67	15.65	15.63	16.5
		50	50	15.66	15.74	15.49	16.5
		100	0	15.63	15.73	15.63	16.5

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	13.88	13.79	14.07	14.5
		1	13	13.79	13.82	14.01	14.5
		1	24	13.86	13.82	14.05	14.5
		12	0	13.99	13.97	14.09	14.5
		12	6	13.96	13.73	14.05	14.5
		12	13	13.89	13.89	14.06	14.5
		25	0	13.91	13.94	13.99	14.5
	16QAM	1	0	13.55	14.1	14.13	14.5
		1	13	13.82	14.03	14.07	14.5
		1	24	13.86	13.98	14.06	14.5
		12	0	13.93	13.85	14.07	14.5
		12	6	13.75	13.88	14.03	14.5
		12	13	13.83	13.91	14.14	14.5
		25	0	13.71	13.72	13.92	14.5
	64QAM	1	0	14.12	13.86	13.9	14.5
		1	13	13.13	13.03	12.93	14.5
		1	24	13.73	13.75	13.81	14.5
		12	0	13.71	13.66	13.52	14.5
		12	6	13.66	13.63	13.56	14.5
		12	13	13.57	13.74	13.43	14.5
		25	0	13.63	13.65	13.6	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	14.06	13.83	14.11	14.5
		1	25	12.74	14.09	13.9	14.5
		1	49	13.87	14.01	14.05	14.5
		25	0	13.88	13.89	14.04	14.5
		25	13	13.93	13.76	14.18	14.5
		25	25	14.02	13.9	14.07	14.5
		50	0	13.93	13.91	14.05	14.5
	16QAM	1	0	13.95	13.49	14.02	14.5
		1	25	13.66	13.93	14.12	14.5
		1	49	14.04	14.04	14.18	14.5
		25	0	13.82	13.8	13.94	14.5
		25	13	13.9	13.88	13.92	14.5
		25	25	13.86	13.9	14.03	14.5
		50	0	13.93	13.78	14.01	14.5
	64QAM	1	0	14.06	13.88	13.86	14.5
		1	25	13.13	13.06	12.99	14.5
		1	49	13.73	13.72	13.84	14.5
		25	0	13.63	13.64	13.5	14.5

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		25	13	13.58	13.62	13.52	14.5
		25	25	13.62	13.72	13.45	14.5
		50	0	13.59	13.63	13.56	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	13.86	13.77	13.97	14.5
		1	38	13.98	13.91	14.02	14.5
		1	74	13.88	13.97	14.07	14.5
		36	0	13.9	13.86	13.93	14.5
		36	18	13.94	13.9	14.1	14.5
		36	39	13.99	13.92	14.05	14.5
		75	0	13.9	13.92	14.07	14.5
	16QAM	1	0	13.47	13.86	13.66	14.5
		1	38	13.96	13.86	14.06	14.5
		1	74	13.77	13.53	13.95	14.5
		36	0	13.92	13.8	14.1	14.5
		36	18	13.86	13.81	14.01	14.5
		36	39	13.92	13.87	14.14	14.5
		75	0	13.83	13.8	13.97	14.5
	64QAM	1	0	14.08	13.9	13.89	14.5
		1	38	13.13	13.05	13.02	14.5
		1	74	13.73	13.76	13.84	14.5
		36	0	13.67	13.67	13.49	14.5
		36	18	13.64	13.61	13.53	14.5
		36	39	13.63	13.7	13.43	14.5
		75	0	13.6	13.73	13.6	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	13.78	13.98	14.06	14.5
		1	50	13.53	14.17	14.06	14.5
		1	99	13.94	14.18	14.19	14.5
		50	0	13.88	13.89	14.07	14.5
		50	25	13.86	13.91	13.98	14.5
		50	50	13.9	13.95	14.12	14.5
		100	0	13.92	13.92	13.99	14.5
	16QAM	1	0	13.89	13.78	13.93	14.5
		1	50	13.5	13.32	13.83	14.5
		1	99	13.9	14.21	14.19	14.5
		50	0	13.82	13.84	13.96	14.5
		50	25	13.77	13.78	13.91	14.5
		50	50	13.95	13.81	14.02	14.5
		100	0	13.82	13.81	14.03	14.5

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	64QAM	1	0	14.06	13.87	13.92	14.5
		1	50	13.07	12.98	12.96	14.5
		1	99	13.73	13.75	13.8	14.5
		50	0	13.68	13.6	13.5	14.5
		50	25	13.62	13.55	13.59	14.5
		50	50	13.59	13.69	13.48	14.5
		100	0	13.63	13.72	13.62	14.5

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LTE Band 38 Receiver on(Left head) + hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	13.53	13.49	13.56	14.5
		1	13	13.54	13.43	13.64	14.5
		1	24	13.59	13.48	13.68	14.5
		12	0	13.43	13.51	13.61	14.5
		12	6	13.44	13.45	13.62	14.5
		12	13	13.45	13.5	13.58	14.5
		25	0	13.49	13.55	13.64	14.5
	16QAM	1	0	14.05	14.01	14.03	14.5
		1	13	14.13	14.02	14.2	14.5
		1	24	14.09	13.99	14.17	14.5
		12	0	13.45	13.51	13.71	14.5
		12	6	13.56	13.51	13.68	14.5
		12	13	13.47	13.49	13.67	14.5
		25	0	13.39	13.42	13.62	14.5
	64QAM	1	0	13.69	13.49	13.47	14.5
		1	13	12.71	12.6	12.53	14.5
		1	24	13.36	13.4	13.43	14.5
		12	0	13.28	13.25	13.13	14.5
		12	6	13.22	13.19	13.16	14.5
		12	13	13.14	13.3	13.03	14.5
		25	0	13.19	13.22	13.18	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	13.51	13.41	13.54	14.5
		1	25	13.13	13.1	13.22	14.5
		1	49	13.57	13.46	13.68	14.5
		25	0	13.5	13.45	13.59	14.5
		25	13	13.55	13.4	13.6	14.5
		25	25	13.61	13.5	13.71	14.5
		50	0	13.53	13.43	13.61	14.5
	16QAM	1	0	14.04	14	14.15	14.5
		1	25	13.5	13.49	13.66	14.5
		1	49	14.09	14.03	14.16	14.5
		25	0	13.4	13.51	13.58	14.5
		25	13	13.48	13.5	13.7	14.5
		25	25	13.51	13.5	13.64	14.5
		50	0	13.35	13.4	13.51	14.5
	64QAM	1	0	13.68	13.45	13.5	14.5
		1	25	12.71	12.64	12.56	14.5
		1	49	13.35	13.35	13.42	14.5
		25	0	13.27	13.27	13.09	14.5

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		25	13	13.3	13.19	13.15	14.5
		25	25	13.15	13.38	13.02	14.5
		50	0	13.25	13.29	13.2	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	13.48	13.45	13.56	14.5
		1	38	13.54	13.48	13.63	14.5
		1	74	13.41	13.43	13.63	14.5
		36	0	13.52	13.51	13.65	14.5
		36	18	13.45	13.47	13.68	14.5
		36	39	13.45	13.48	13.76	14.5
		75	0	13.52	13.48	13.64	14.5
	16QAM	1	0	14.07	13.97	14.07	14.5
		1	38	14.12	13.99	14.2	14.5
		1	74	13.94	13.92	14.19	14.5
		36	0	13.5	13.46	13.6	14.5
		36	18	13.44	13.44	13.49	14.5
		36	39	13.51	13.49	13.71	14.5
		75	0	13.33	13.39	13.55	14.5
	64QAM	1	0	13.76	13.44	13.5	14.5
		1	38	12.69	12.62	12.54	14.5
		1	74	13.32	13.34	13.41	14.5
		36	0	13.33	13.27	13.1	14.5
		36	18	13.29	13.27	13.13	14.5
		36	39	13.22	13.3	13.05	14.5
		75	0	13.2	13.21	13.18	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	13.61	13.49	13.53	14.5
		1	50	12.98	12.9	13.04	14.5
		1	99	13.57	13.61	13.71	14.5
		50	0	13.44	13.46	13.54	14.5
		50	25	13.41	13.4	13.58	14.5
		50	50	13.53	13.51	13.74	14.5
		100	0	13.48	13.45	13.59	14.5
	16QAM	1	0	14.28	14.05	14.06	14.5
		1	50	13.42	13.36	13.46	14.5
		1	99	14.11	14.05	14.22	14.5
		50	0	13.37	13.39	13.45	14.5
		50	25	13.36	13.38	13.48	14.5
		50	50	13.45	13.43	13.65	14.5
		100	0	13.45	13.37	13.53	14.5

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	64QAM	1	0	13.74	13.49	13.54	14.5
		1	50	12.76	12.62	12.5	14.5
		1	99	13.37	13.38	13.38	14.5
		50	0	13.33	13.27	13.11	14.5
		50	25	13.28	13.2	13.19	14.5
		50	50	13.21	13.32	13.05	14.5
		100	0	13.27	13.3	13.22	14.5

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LTE Band 38 Receiver on(Right head) + hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	12.44	12.44	12.67	13.5
		1	13	12.52	12.51	12.6	13.5
		1	24	12.48	12.43	12.65	13.5
		12	0	12.43	12.62	12.67	13.5
		12	6	12.5	12.54	12.68	13.5
		12	13	12.45	12.61	12.65	13.5
		25	0	12.48	12.6	12.71	13.5
	16QAM	1	0	13.02	12.98	13.05	13.5
		1	13	12.96	12.93	13.09	13.5
		1	24	12.93	12.95	12.8	13.5
		12	0	12.58	12.62	12.66	13.5
		12	6	12.54	12.63	12.75	13.5
		12	13	12.47	12.61	12.77	13.5
		25	0	12.41	12.4	12.5	13.5
	64QAM	1	0	12.67	12.44	12.48	13.5
		1	13	11.7	11.59	11.48	13.5
		1	24	12.3	12.38	12.31	13.5
		12	0	12.25	12.25	12.1	13.5
		12	6	12.18	12.13	12.13	13.5
		12	13	12.2	12.22	11.96	13.5
		25	0	12.21	12.19	12.21	13.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	12.41	12.49	12.66	13.5
		1	25	12.31	12.3	12.5	13.5
		1	49	12.52	12.52	12.66	13.5
		25	0	12.37	12.56	12.66	13.5
		25	13	12.41	12.56	12.67	13.5
		25	25	12.59	12.56	12.68	13.5
		50	0	12.39	12.54	12.69	13.5
	16QAM	1	0	12.98	12.92	13	13.5
		1	25	12.83	12.88	13.06	13.5
		1	49	12.95	12.91	13.06	13.5
		25	0	12.33	12.49	12.57	13.5
		25	13	12.39	12.38	12.59	13.5
		25	25	12.41	12.36	12.6	13.5
		50	0	12.39	12.53	12.65	13.5
	64QAM	1	0	12.63	12.49	12.42	13.5
		1	25	11.66	11.58	11.5	13.5
		1	49	12.34	12.27	12.34	13.5
		25	0	12.31	12.16	12.06	13.5

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		25	13	12.18	12.19	12.08	13.5
		25	25	12.18	12.21	11.98	13.5
		50	0	12.23	12.19	12.16	13.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	12.42	12.34	12.54	13.5
		1	38	12.55	12.53	12.6	13.5
		1	74	12.46	12.48	12.62	13.5
		36	0	12.53	12.45	12.61	13.5
		36	18	12.47	12.52	12.65	13.5
		36	39	12.46	12.57	12.73	13.5
		75	0	12.4	12.57	12.61	13.5
	16QAM	1	0	12.89	12.78	12.82	13.5
		1	38	12.96	12.96	13.01	13.5
		1	74	12.87	12.88	13.05	13.5
		36	0	12.42	12.47	12.59	13.5
		36	18	12.37	12.4	12.52	13.5
		36	39	12.35	12.45	12.6	13.5
		75	0	12.34	12.46	12.51	13.5
	64QAM	1	0	12.64	12.46	12.43	13.5
		1	38	11.7	11.57	11.39	13.5
		1	74	12.37	12.34	12.28	13.5
		36	0	12.24	12.24	12	13.5
		36	18	12.25	12.12	12.16	13.5
		36	39	12.12	12.3	11.94	13.5
		75	0	12.25	12.22	12.12	13.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	12.58	12.57	12.6	13.5
		1	50	12.51	12.45	12.62	13.5
		1	99	12.67	12.68	12.78	13.5
		50	0	12.51	12.55	12.57	13.5
		50	25	12.49	12.53	12.59	13.5
		50	50	12.5	12.55	12.76	13.5
		100	0	12.62	12.61	12.73	13.5
	16QAM	1	0	13.04	13.03	12.97	13.5
		1	50	12.57	12.6	12.73	13.5
		1	99	13.02	13.04	13.16	13.5
		50	0	12.49	12.53	12.52	13.5
		50	25	12.47	12.5	12.57	13.5
		50	50	12.48	12.51	12.72	13.5
		100	0	12.42	12.54	12.65	13.5

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	64QAM	1	0	12.73	12.48	12.53	13.5
		1	50	11.65	11.53	11.44	13.5
		1	99	12.34	12.33	12.26	13.5
		50	0	12.27	12.15	12.04	13.5
		50	25	12.22	12.11	12.11	13.5
		50	50	12.16	12.3	11.95	13.5
		100	0	12.2	12.28	12.17	13.5

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LTE Band 38 Receiver on(Left head) + hotspot 5G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	11.4	11.46	11.58	12.5
		1	13	11.5	11.53	11.62	12.5
		1	24	11.44	11.44	11.66	12.5
		12	0	11.53	11.5	11.7	12.5
		12	6	11.53	11.56	11.75	12.5
		12	13	11.53	11.62	11.66	12.5
		25	0	11.43	11.47	11.61	12.5
	16QAM	1	0	12.01	12.03	12.1	12.5
		1	13	11.96	11.97	12.2	12.5
		1	24	12.06	12	12.1	12.5
		12	0	11.64	11.6	11.78	12.5
		12	6	11.58	11.61	11.77	12.5
		12	13	11.66	11.71	11.88	12.5
		25	0	11.43	11.45	11.57	12.5
	64QAM	1	0	11.57	11.4	11.47	12.5
		1	13	10.66	10.49	10.44	12.5
		1	24	11.27	11.37	11.28	12.5
		12	0	11.24	11.17	11.08	12.5
		12	6	11.09	11.12	11.07	12.5
		12	13	11.18	11.21	10.94	12.5
		25	0	11.16	11.14	11.18	12.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	11.44	11.45	11.68	12.5
		1	25	11.37	11.37	11.55	12.5
		1	49	11.42	11.46	11.71	12.5
		25	0	11.48	11.49	11.64	12.5
		25	13	11.43	11.49	11.63	12.5
		25	25	11.49	11.49	11.63	12.5
		50	0	11.42	11.48	11.63	12.5
	16QAM	1	0	12.04	12.01	12.07	12.5
		1	25	12.1	12.06	12.27	12.5
		1	49	12.02	12.02	12.14	12.5
		25	0	11.5	11.59	11.61	12.5
		25	13	11.45	11.51	11.63	12.5
		25	25	11.47	11.46	11.6	12.5
		50	0	11.39	11.43	11.58	12.5
	64QAM	1	0	11.65	11.37	11.39	12.5
		1	25	10.66	10.55	10.4	12.5
		1	49	11.21	11.33	11.21	12.5
		25	0	11.23	11.17	11.02	12.5

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		25	13	11.16	11.12	11.09	12.5
		25	25	11.1	11.18	10.87	12.5
		50	0	11.12	11.15	11.11	12.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	11.44	11.39	11.58	12.5
		1	38	11.53	11.6	11.71	12.5
		1	74	11.47	11.55	11.59	12.5
		36	0	11.5	11.45	11.69	12.5
		36	18	11.45	11.52	11.57	12.5
		36	39	11.58	11.57	11.76	12.5
		75	0	11.52	11.56	11.65	12.5
	16QAM	1	0	12.04	11.96	11.98	12.5
		1	38	11.9	12.01	12.09	12.5
		1	74	12.04	11.95	12.14	12.5
		36	0	11.42	11.37	11.59	12.5
		36	18	11.37	11.43	11.47	12.5
		36	39	11.37	11.47	11.53	12.5
		75	0	11.46	11.48	11.47	12.5
	64QAM	1	0	11.63	11.41	11.42	12.5
		1	38	10.6	10.59	10.44	12.5
		1	74	11.25	11.3	11.29	12.5
		36	0	11.18	11.21	11.05	12.5
		36	18	11.09	11.05	11.11	12.5
		36	39	11.16	11.16	10.9	12.5
		75	0	11.11	11.18	11.11	12.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	11.54	11.56	11.73	12.5
		1	50	11.57	11.22	11.55	12.5
		1	99	11.77	11.81	11.85	12.5
		50	0	11.5	11.6	11.6	12.5
		50	25	11.45	11.57	11.62	12.5
		50	50	11.52	11.6	11.76	12.5
		100	0	11.64	11.65	11.63	12.5
	16QAM	1	0	11.58	12.06	11.78	12.5
		1	50	11.44	10.94	11.92	12.5
		1	99	11.58	11.73	12.22	12.5
		50	0	11.58	11.49	11.67	12.5
		50	25	11.4	11.47	11.68	12.5
		50	50	11.44	11.51	11.65	12.5
		100	0	11.55	11.54	11.65	12.5

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	64QAM	1	0	11.63	11.4	11.44	12.5
		1	50	10.66	10.55	10.41	12.5
		1	99	11.28	11.34	11.31	12.5
		50	0	11.21	11.23	11.07	12.5
		50	25	11.16	11.04	11.04	12.5
		50	50	11.12	11.13	10.9	12.5
		100	0	11.2	11.12	11.14	12.5

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LTE Band 38 Receiver on(Right head) + hotspot 5G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	10.43	10.51	10.56	11.5
		1	13	10.53	10.44	10.6	11.5
		1	24	10.35	10.38	10.63	11.5
		12	0	10.43	10.56	10.69	11.5
		12	6	10.55	10.54	10.68	11.5
		12	13	10.45	10.55	10.64	11.5
		25	0	10.47	10.39	10.57	11.5
	16QAM	1	0	10.9	10.95	11.1	11.5
		1	13	11	11.01	11.16	11.5
		1	24	10.95	10.93	11.06	11.5
		12	0	10.67	10.64	10.77	11.5
		12	6	10.5	10.53	10.72	11.5
		12	13	10.55	10.64	10.73	11.5
		25	0	10.46	10.49	10.67	11.5
	64QAM	1	0	10.58	10.29	10.44	11.5
		1	13	9.86	9.93	9.98	11.5
		1	24	10.23	10.24	10.25	11.5
		12	0	10.15	10.15	10.07	11.5
		12	6	10.07	9.99	9.98	11.5
		12	13	10.1	10.07	9.82	11.5
		25	0	10.1	10.07	10.08	11.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	10.42	10.43	10.58	11.5
		1	25	10.38	10.36	10.5	11.5
		1	49	10.41	10.46	10.59	11.5
		25	0	10.35	10.47	10.53	11.5
		25	13	10.39	10.45	10.65	11.5
		25	25	10.46	10.48	10.64	11.5
		50	0	10.38	10.47	10.53	11.5
	16QAM	1	0	10.88	10.86	10.98	11.5
		1	25	11.06	11.11	11.17	11.5
		1	49	10.98	11.01	11.14	11.5
		25	0	10.46	10.43	10.5	11.5
		25	13	10.41	10.44	10.59	11.5
		25	25	10.44	10.44	10.61	11.5
		50	0	10.36	10.42	10.62	11.5
	64QAM	1	0	10.59	10.33	10.36	11.5
		1	25	9.59	9.5	9.37	11.5
		1	49	10.17	10.32	10.21	11.5
		25	0	10.14	10.15	10.04	11.5

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		25	13	10.1	9.95	9.94	11.5
		25	25	10.09	10.13	9.82	11.5
		50	0	10.19	10.03	10.11	11.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	10.34	10.3	10.52	11.5
		1	38	10.53	10.5	10.63	11.5
		1	74	10.39	10.48	10.66	11.5
		36	0	10.52	10.49	10.63	11.5
		36	18	10.48	10.43	10.62	11.5
		36	39	10.49	10.5	10.7	11.5
		75	0	10.42	10.48	10.59	11.5
	16QAM	1	0	10.93	10.85	10.92	11.5
		1	38	10.98	11.04	11.03	11.5
		1	74	10.95	10.89	11.07	11.5
		36	0	10.32	10.4	10.42	11.5
		36	18	10.28	10.33	10.4	11.5
		36	39	10.41	10.4	10.61	11.5
		75	0	10.37	10.41	10.41	11.5
	64QAM	1	0	10.52	10.32	10.43	11.5
		1	38	9.58	9.49	9.39	11.5
		1	74	10.19	10.33	10.23	11.5
		36	0	10.2	10.14	10	11.5
		36	18	10.13	10.02	10.04	11.5
		36	39	10.1	10.03	9.87	11.5
		75	0	10.13	10.04	10.07	11.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	10.46	10.48	10.55	11.5
		1	50	10.39	10.37	10.48	11.5
		1	99	10.5	10.53	10.78	11.5
		50	0	10.52	10.46	10.6	11.5
		50	25	10.38	10.44	10.61	11.5
		50	50	10.42	10.6	10.63	11.5
		100	0	10.52	10.53	10.62	11.5
	16QAM	1	0	11.05	11.05	11.08	11.5
		1	50	11.05	11.04	11.2	11.5
		1	99	11.07	11.07	11.21	11.5
		50	0	10.35	10.41	10.55	11.5
		50	25	10.34	10.4	10.56	11.5
		50	50	10.38	10.55	10.6	11.5
		100	0	10.45	10.45	10.54	11.5

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	64QAM	1	0	10.6	10.4	10.41	11.5
		1	50	9.59	9.53	9.41	11.5
		1	99	10.25	10.3	10.3	11.5
		50	0	10.15	10.19	9.96	11.5
		50	25	10.13	9.98	9.94	11.5
		50	50	10.09	10.05	9.85	11.5
		100	0	10.11	10.09	10.1	11.5

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LTE Band 38 Receiver on(Left head) + BT				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	14.57	14.51	14.61	16
		1	13	14.53	14.62	14.83	16
		1	24	14.48	14.52	14.79	16
		12	0	14.53	14.56	14.76	16
		12	6	14.64	14.54	14.62	16
		12	13	14.55	14.54	14.74	16
		25	0	14.45	14.52	14.72	16
	16QAM	1	0	14.47	14.48	14.75	16
		1	13	14.61	14.54	14.59	16
		1	24	14.57	14.47	14.95	16
		12	0	14.48	14.56	14.79	16
		12	6	14.49	14.58	14.69	16
		12	13	14.48	14.5	14.67	16
		25	0	14.55	14.48	14.69	16
	64QAM	1	0	14.58	14.3	14.35	16
		1	13	13.48	13.45	13.39	16
		1	24	14.13	14.25	14.26	16
		12	0	14.05	14.08	13.94	16
		12	6	14.03	13.93	13.85	16
		12	13	14.08	13.98	13.82	16
		25	0	14.08	14.03	14.04	16
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	14.45	14.52	14.6	16
		1	25	14.11	14.04	14.14	16
		1	49	14.55	14.57	14.54	16
		25	0	14.49	14.5	14.59	16
		25	13	14.52	14.51	14.71	16
		25	25	14.58	14.62	14.7	16
		50	0	14.52	14.61	14.64	16
	16QAM	1	0	14.37	14.47	14.71	16
		1	25	14.53	14.35	14.79	16
		1	49	14.47	14.47	14.85	16
		25	0	14.45	14.48	14.55	16
		25	13	14.33	14.47	14.57	16
		25	25	14.42	14.46	14.72	16
		50	0	14.49	14.46	14.61	16
	64QAM	1	0	14.5	14.4	14.39	16
		1	25	13.51	13.5	13.33	16
		1	49	14.21	14.23	14.2	16
		25	0	14.11	14.09	13.91	16

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		25	13	14.12	13.87	13.91	16
		25	25	14.05	13.96	13.75	16
		50	0	14.05	14.08	14.09	16
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	14.41	14.48	14.55	16
		1	38	14.55	14.58	14.64	16
		1	74	14.43	14.52	14.56	16
		36	0	14.53	14.55	14.62	16
		36	18	14.52	14.5	14.67	16
		36	39	14.62	14.67	14.68	16
		75	0	14.58	14.54	14.69	16
	16QAM	1	0	14.48	14.64	14.57	16
		1	38	14.65	14.62	14.63	16
		1	74	14.69	14.69	14.73	16
		36	0	14.45	14.49	14.55	16
		36	18	14.45	14.52	14.68	16
		36	39	14.44	14.6	14.64	16
		75	0	14.4	14.48	14.52	16
	64QAM	1	0	14.52	14.3	14.32	16
		1	38	13.48	13.46	13.39	16
		1	74	14.14	14.19	14.22	16
		36	0	14.09	14.1	13.85	16
		36	18	14.03	13.94	13.93	16
		36	39	14.04	13.99	13.8	16
		75	0	14.11	14.05	13.99	16
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	14.61	14.64	14.63	16
		1	50	14.46	14.04	14.72	16
		1	99	14.6	14.79	14.84	16
		50	0	14.57	14.59	14.64	16
		50	25	14.54	14.57	14.69	16
		50	50	14.51	14.59	14.72	16
		100	0	14.57	14.65	14.69	16
	16QAM	1	0	14.87	14.59	14.51	16
		1	50	14.79	14.53	14.04	16
		1	99	14.71	14.77	14.97	16
		50	0	14.51	14.55	14.6	16
		50	25	14.5	14.5	14.63	16
		50	50	14.45	14.51	14.66	16
		100	0	14.54	14.45	14.64	16

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	64QAM	1	0	14.49	14.3	14.33	16
		1	50	14.28	14.32	14.16	16
		1	99	14.22	14.21	14.23	16
		50	0	14.09	14.17	13.86	16
		50	25	14.07	14.12	14.09	16
		50	50	14	14.03	14.16	16
		100	0	14.07	13.98	14.06	16

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LTE Band 38 Receiver on(Right head) + BT				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	13.54	13.38	13.6	15
		1	13	13.57	13.4	13.71	15
		1	24	13.47	13.37	13.74	15
		12	0	13.52	13.51	13.76	15
		12	6	13.53	13.54	13.7	15
		12	13	13.55	13.51	13.74	15
		25	0	13.47	13.51	13.68	15
	16QAM	1	0	13.65	13.76	13.84	15
		1	13	13.27	13.85	13.98	15
		1	24	13.29	13.75	14.02	15
		12	0	13.52	13.34	13.72	15
		12	6	13.31	13.19	13.59	15
		12	13	13.47	13.42	13.69	15
		25	0	13.49	13.52	13.58	15
	64QAM	1	0	13.48	13.28	13.29	15
		1	13	12.38	12.35	12.31	15
		1	24	13.1	13.2	13.15	15
		12	0	13.01	13.03	12.85	15
		12	6	13.02	12.92	12.84	15
		12	13	12.99	12.91	12.72	15
		25	0	13.07	13	13.01	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	13.51	13.44	13.65	15
		1	25	13.53	13.48	13.7	15
		1	49	13.52	13.51	13.57	15
		25	0	13.52	13.55	13.63	15
		25	13	13.55	13.43	13.76	15
		25	25	13.48	13.53	13.73	15
		50	0	13.55	13.52	13.77	15
	16QAM	1	0	13.38	13.62	13.93	15
		1	25	13.27	13.38	12.91	15
		1	49	13.39	13.07	13.83	15
		25	0	13.39	13.37	13.58	15
		25	13	13.38	13.4	13.72	15
		25	25	13.41	13.38	13.58	15
		50	0	13.39	13.39	13.57	15
	64QAM	1	0	13.53	13.27	13.28	15
		1	25	12.39	12.39	12.33	15
		1	49	13.12	13.17	13.17	15
		25	0	13	13	12.88	15

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		25	13	12.94	12.88	12.79	15
		25	25	13.08	12.95	12.77	15
		50	0	12.98	12.96	12.95	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	13.43	13.43	13.51	15
		1	38	13.49	13.49	13.58	15
		1	74	13.46	13.45	13.67	15
		36	0	13.49	13.51	13.66	15
		36	18	13.54	13.51	13.69	15
		36	39	13.5	13.54	13.77	15
		75	0	13.49	13.54	13.65	15
	16QAM	1	0	13.55	13.66	13.64	15
		1	38	13.75	13.76	13.72	15
		1	74	13.48	13.59	13.74	15
		36	0	13.59	13.44	13.74	15
		36	18	13.57	13.39	13.58	15
		36	39	13.52	13.53	13.72	15
		75	0	13.42	13.42	13.58	15
	64QAM	1	0	13.48	13.28	13.27	15
		1	38	12.46	12.43	12.37	15
		1	74	13.06	13.14	13.15	15
		36	0	12.98	12.99	12.88	15
		36	18	12.94	12.89	12.81	15
		36	39	13.01	12.96	12.75	15
		75	0	13.01	12.98	12.95	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	13.55	13.63	13.66	15
		1	50	13.37	13.21	13.92	15
		1	99	13.49	13.79	13.73	15
		50	0	13.44	13.53	13.61	15
		50	25	13.66	13.57	13.66	15
		50	50	13.53	13.59	13.84	15
		100	0	13.5	13.53	13.67	15
	16QAM	1	0	13.82	13.53	13.83	15
		1	50	13.41	13.79	13.92	15
		1	99	13.83	13.89	14.06	15
		50	0	13.37	13.46	13.53	15
		50	25	13.35	13.43	13.64	15
		50	50	13.46	13.49	13.6	15
		100	0	13.43	13.44	13.59	15

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	64QAM	1	0	13.58	13.28	13.3	15
		1	50	13.47	13.4	13.29	15
		1	99	13.09	13.17	13.24	15
		50	0	13.05	13.05	12.93	15
		50	25	12.98	12.92	12.84	15
		50	50	13.04	13.05	13.09	15
		100	0	13.14	13.11	13.07	15

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LTE Band 38 Receiver off + BT				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	16.62	16.56	16.73	18
		1	13	16.41	16.44	16.82	18
		1	24	16.6	16.64	16.75	18
		12	0	16.57	16.7	16.74	18
		12	6	16.4	16.58	16.72	18
		12	13	16.59	16.56	16.84	18
		25	0	16.5	16.54	16.6	18
	16QAM	1	0	16.59	16.61	16.94	18
		1	13	16.64	16.54	16.58	18
		1	24	16.61	16.6	16.91	18
		12	0	16.53	16.57	16.69	18
		12	6	16.33	16.63	16.51	18
		12	13	16.6	16.47	16.81	18
		25	0	16.5	16.47	16.65	18
	64QAM	1	0	16.42	16.24	16.27	18
		1	13	15.37	15.29	15.31	18
		1	24	16.08	16.19	16.1	18
		12	0	15.95	16.01	15.77	18
		12	6	15.98	15.88	15.8	18
		12	13	15.9	15.84	15.63	18
		25	0	16.05	15.94	15.95	18
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	16.53	16.64	16.74	18
		1	25	16.39	16.36	16.54	18
		1	49	16.7	16.57	16.76	18
		25	0	16.45	16.57	16.68	18
		25	13	16.63	16.58	16.65	18
		25	25	16.56	16.57	16.7	18
		50	0	16.63	16.56	16.68	18
	16QAM	1	0	16.59	16.74	16.62	18
		1	25	16.25	16.2	16.74	18
		1	49	16.41	16.76	16.61	18
		25	0	16.43	16.53	16.76	18
		25	13	16.4	16.54	16.7	18
		25	25	16.48	16.55	16.67	18
		50	0	16.49	16.56	16.63	18
	64QAM	1	0	16.47	16.21	16.29	18
		1	25	15.33	15.34	15.24	18
		1	49	16.02	16.1	16.1	18
		25	0	15.99	15.97	15.79	18

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		25	13	16	15.88	15.78	18
		25	25	15.99	15.89	15.63	18
		50	0	16.02	15.92	15.98	18
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	16.43	16.43	16.5	18
		1	38	16.5	16.65	16.58	18
		1	74	16.43	16.59	16.63	18
		36	0	16.53	16.52	16.69	18
		36	18	16.6	16.55	16.62	18
		36	39	16.59	16.63	16.79	18
		75	0	16.55	16.62	16.68	18
	16QAM	1	0	16.64	16.52	16.49	18
		1	38	16.81	16.46	16.85	18
		1	74	16.49	16.43	16.85	18
		36	0	16.59	16.46	16.64	18
		36	18	16.55	16.58	16.65	18
		36	39	16.55	16.61	16.69	18
		75	0	16.47	16.58	16.56	18
	64QAM	1	0	16.48	16.23	16.28	18
		1	38	15.36	15.3	15.3	18
		1	74	16.08	16.1	16.09	18
		36	0	15.92	16.03	15.76	18
		36	18	15.95	15.89	15.74	18
		36	39	15.96	15.85	15.71	18
		75	0	16.01	15.96	15.93	18
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	16.57	16.58	16.63	18
		1	50	16.23	16.23	16.3	18
		1	99	16.52	16.75	16.88	18
		50	0	16.56	16.53	16.65	18
		50	25	16.58	16.63	16.56	18
		50	50	16.62	16.63	16.75	18
		100	0	16.58	16.6	16.72	18
	16QAM	1	0	16.44	16.89	16.76	18
		1	50	15.98	16.5	16.94	18
		1	99	16.62	16.86	16.9	18
		50	0	16.49	16.52	16.59	18
		50	25	16.41	16.62	16.52	18
		50	50	16.58	16.52	16.69	18
		100	0	16.41	16.46	16.61	18

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	64QAM	1	0	16.4	16.27	16.27	18
		1	50	15.38	15.35	15.28	18
		1	99	16.02	16.18	16.14	18
		50	0	15.97	16.02	15.78	18
		50	25	15.97	15.92	15.78	18
		50	50	15.98	15.88	15.67	18
		100	0	15.99	15.93	15.93	18

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LTE Band 38 Receiver on(Left head) + WiFi2.4G Ant1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	13.56	13.55	13.78	14.5
		1	13	13.47	13.56	13.72	14.5
		1	24	13.51	13.52	13.61	14.5
		12	0	13.52	13.53	13.71	14.5
		12	6	13.62	13.5	13.8	14.5
		12	13	13.53	13.52	13.81	14.5
		25	0	13.43	13.39	13.73	14.5
	16QAM	1	0	13.81	13.8	13.89	14.5
		1	13	13.65	13.27	13.84	14.5
		1	24	13.62	13.35	13.92	14.5
		12	0	13.46	13.4	13.56	14.5
		12	6	13.46	13.56	13.6	14.5
		12	13	13.43	13.45	13.72	14.5
		25	0	13.37	13.32	13.49	14.5
	64QAM	1	0	13.32	13.22	13.15	14.5
		1	13	12.37	12.27	12.18	14.5
		1	24	12.9	13.16	13.04	14.5
		12	0	12.97	12.94	12.69	14.5
		12	6	12.95	12.91	12.75	14.5
		12	13	12.95	12.84	12.61	14.5
		25	0	12.92	12.83	12.87	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	13.47	13.44	13.78	14.5
		1	25	13.04	14.03	14.05	14.5
		1	49	13.46	13.46	13.65	14.5
		25	0	13.5	13.56	13.73	14.5
		25	13	13.52	13.39	13.72	14.5
		25	25	13.58	13.5	13.73	14.5
		50	0	13.52	13.49	13.73	14.5
	16QAM	1	0	13.78	13.72	13.65	14.5
		1	25	14.03	13.55	14.13	14.5
		1	49	13.87	13.54	13.72	14.5
		25	0	13.46	13.46	13.69	14.5
		25	13	13.5	13.46	13.64	14.5
		25	25	13.57	13.33	13.8	14.5
		50	0	13.43	13.47	13.58	14.5
	64QAM	1	0	13.31	13.2	13.22	14.5
		1	25	12.37	12.28	12.21	14.5
		1	49	13.02	13.07	13.01	14.5
		25	0	12.87	13	12.7	14.5

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		25	13	12.91	12.9	12.68	14.5
		25	25	12.98	12.82	12.56	14.5
		50	0	12.87	12.86	12.83	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	13.54	13.46	13.56	14.5
		1	38	13.36	13.51	13.61	14.5
		1	74	13.44	13.59	13.63	14.5
		36	0	13.54	13.48	13.63	14.5
		36	18	13.64	13.54	13.7	14.5
		36	39	13.48	13.62	13.79	14.5
		75	0	13.52	13.5	13.65	14.5
	16QAM	1	0	13.26	13.77	13.51	14.5
		1	38	13.88	13.59	13.65	14.5
		1	74	13.58	13.44	13.8	14.5
		36	0	13.45	13.41	13.57	14.5
		36	18	13.39	13.41	13.58	14.5
		36	39	13.47	13.47	13.7	14.5
		75	0	13.47	13.46	13.56	14.5
	64QAM	1	0	13.31	13.16	13.22	14.5
		1	38	12.27	12.32	12.16	14.5
		1	74	12.89	13.12	13.14	14.5
		36	0	12.96	12.92	12.71	14.5
		36	18	12.93	12.81	12.67	14.5
		36	39	12.87	12.78	12.63	14.5
		75	0	12.99	12.86	12.85	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	13.62	13.61	13.58	14.5
		1	50	12.99	13.56	14.06	14.5
		1	99	13.66	13.8	13.77	14.5
		50	0	13.5	13.49	13.6	14.5
		50	25	13.45	13.48	13.66	14.5
		50	50	13.58	13.54	13.71	14.5
		100	0	13.44	13.54	13.66	14.5
	16QAM	1	0	13.7	13.73	13.75	14.5
		1	50	13.46	13.46	14.17	14.5
		1	99	13.44	13.74	13.89	14.5
		50	0	13.39	13.38	13.61	14.5
		50	25	13.37	13.41	13.58	14.5
		50	50	13.49	13.43	13.73	14.5
		100	0	13.42	13.46	13.57	14.5

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	64QAM	1	0	13.37	13.25	13.17	14.5
		1	50	12.33	12.25	12.25	14.5
		1	99	12.97	13.11	13.02	14.5
		50	0	12.92	12.97	12.98	14.5
		50	25	12.85	12.84	12.86	14.5
		50	50	12.88	12.8	12.88	14.5
		100	0	12.87	12.9	12.89	14.5

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	12.36	12.52	12.69	13.5
		1	13	12.5	12.5	12.61	13.5
		1	24	12.42	12.43	12.65	13.5
		12	0	12.5	12.53	12.71	13.5
		12	6	12.43	12.55	12.67	13.5
		12	13	12.51	12.66	12.81	13.5
		25	0	12.54	12.63	12.74	13.5
	16QAM	1	0	12.89	12.85	12.63	13.5
		1	13	12.36	12.78	12.93	13.5
		1	24	12.72	12.84	12.84	13.5
		12	0	12.4	12.51	12.76	13.5
		12	6	12.48	12.61	12.66	13.5
		12	13	12.41	12.39	12.54	13.5
		25	0	12.44	12.44	12.69	13.5
	64QAM	1	0	12.31	12.2	12.11	13.5
		1	13	11.34	11.21	11.09	13.5
		1	24	11.81	12.08	12.01	13.5
		12	0	11.93	11.92	11.62	13.5
		12	6	11.93	11.89	11.68	13.5
		12	13	11.89	11.82	11.53	13.5
		25	0	11.89	11.74	11.78	13.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	12.41	12.49	12.64	13.5
		1	25	12.12	12.46	12.71	13.5
		1	49	12.38	12.63	12.72	13.5
		25	0	12.51	12.54	12.65	13.5
		25	13	12.53	12.55	12.77	13.5
		25	25	12.59	12.53	12.65	13.5
		50	0	12.52	12.52	12.65	13.5
	16QAM	1	0	12.65	12.63	12.97	13.5
		1	25	12.58	12.33	13.08	13.5
		1	49	12.5	12.76	12.93	13.5
		25	0	12.47	12.43	12.71	13.5
		25	13	12.29	12.47	12.7	13.5
		25	25	12.56	12.48	12.71	13.5
		50	0	12.42	12.45	12.5	13.5
	64QAM	1	0	12.32	12.2	12.05	13.5
		1	25	11.37	11.22	11.16	13.5
		1	49	11.89	12.14	12.04	13.5
		25	0	11.89	11.86	11.6	13.5

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		25	13	11.87	11.9	11.73	13.5
		25	25	11.9	11.78	11.59	13.5
		50	0	11.91	11.77	11.77	13.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	12.5	12.51	12.59	13.5
		1	38	12.55	12.54	12.76	13.5
		1	74	12.59	12.52	12.66	13.5
		36	0	12.53	12.56	12.7	13.5
		36	18	12.6	12.62	12.73	13.5
		36	39	12.57	12.67	12.81	13.5
		75	0	12.52	12.66	12.7	13.5
	16QAM	1	0	12.57	12.86	12.81	13.5
		1	38	12.67	13.06	12.78	13.5
		1	74	12.35	12.68	12.92	13.5
		36	0	12.56	12.46	12.67	13.5
		36	18	12.53	12.61	12.57	13.5
		36	39	12.49	12.55	12.73	13.5
		75	0	12.45	12.56	12.6	13.5
	64QAM	1	0	12.3	12.19	12.11	13.5
		1	38	11.3	11.21	11.13	13.5
		1	74	11.81	12.15	11.95	13.5
		36	0	11.88	11.9	11.6	13.5
		36	18	11.88	11.87	11.74	13.5
		36	39	11.93	11.8	11.54	13.5
		75	0	11.89	11.82	11.8	13.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	12.59	12.67	12.53	13.5
		1	50	12.54	13.01	12.8	13.5
		1	99	12.63	12.78	12.94	13.5
		50	0	12.5	12.66	12.68	13.5
		50	25	12.6	12.64	12.7	13.5
		50	50	12.6	12.65	12.77	13.5
		100	0	12.6	12.58	12.71	13.5
	16QAM	1	0	12.86	12.97	12.89	13.5
		1	50	13.04	12.43	12.67	13.5
		1	99	12.76	12.58	12.88	13.5
		50	0	12.41	12.42	12.56	13.5
		50	25	12.36	12.51	12.55	13.5
		50	50	12.51	12.59	12.71	13.5
		100	0	12.55	12.49	12.62	13.5

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	64QAM	1	0	12.22	12.37	12.12	13.5
		1	50	11.35	11.25	11.14	13.5
		1	99	11.83	12.08	12.02	13.5
		50	0	11.94	11.84	11.64	13.5
		50	25	11.85	11.81	11.7	13.5
		50	50	11.95	11.79	11.58	13.5
		100	0	11.87	11.83	11.87	13.5

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LTE Band 38 Receiver off + WiFi2.4G Ant1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	15.51	15.49	15.79	16.5
		1	13	15.49	15.54	15.7	16.5
		1	24	15.42	15.48	15.71	16.5
		12	0	15.5	15.56	15.78	16.5
		12	6	15.6	15.45	15.68	16.5
		12	13	15.52	15.53	15.74	16.5
		25	0	15.54	15.4	15.67	16.5
	16QAM	1	0	15.58	15.63	15.77	16.5
		1	13	15.59	15.87	15.61	16.5
		1	24	15.5	15.8	15.66	16.5
		12	0	15.45	15.42	15.69	16.5
		12	6	15.34	15.52	15.49	16.5
		12	13	15.39	15.51	15.74	16.5
		25	0	15.56	15.48	15.62	16.5
	64QAM	1	0	15.26	15.31	15.21	16.5
		1	13	15.13	14.12	15.07	16.5
		1	24	15.15	15.22	15.29	16.5
		12	0	15.28	15.3	15.23	16.5
		12	6	15.14	15.08	15.07	16.5
		12	13	15.19	15.17	14.98	16.5
		25	0	15.2	15.19	15.17	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	15.44	15.43	15.69	16.5
		1	25	15.25	15.72	15.93	16.5
		1	49	15.42	15.55	15.6	16.5
		25	0	15.4	15.5	15.63	16.5
		25	13	15.49	15.56	15.77	16.5
		25	25	15.54	15.49	15.79	16.5
		50	0	15.48	15.47	15.77	16.5
	16QAM	1	0	15.45	15.34	15.64	16.5
		1	25	15.12	15.61	15.74	16.5
		1	49	15.39	15.37	15.57	16.5
		25	0	15.42	15.5	15.53	16.5
		25	13	15.53	15.52	15.52	16.5
		25	25	15.49	15.43	15.64	16.5
		50	0	15.41	15.38	15.56	16.5
	64QAM	1	0	15.31	15.34	15.19	16.5
		1	25	15.12	14.23	15.03	16.5
		1	49	15.1	15.18	15.29	16.5
		25	0	15.32	15.35	15.27	16.5

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		25	13	15.07	15.06	15.01	16.5
		25	25	15.19	15.16	14.98	16.5
		50	0	15.16	15.15	15.11	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	15.42	15.44	15.48	16.5
		1	38	15.45	15.43	15.66	16.5
		1	74	15.45	15.52	15.7	16.5
		36	0	15.46	15.57	15.7	16.5
		36	18	15.47	15.53	15.6	16.5
		36	39	15.48	15.51	15.71	16.5
		75	0	15.52	15.51	15.67	16.5
	16QAM	1	0	15.52	15.46	15.65	16.5
		1	38	15.71	15.61	15.74	16.5
		1	74	15.41	15.62	15.66	16.5
		36	0	15.34	15.37	15.61	16.5
		36	18	15.5	15.48	15.53	16.5
		36	39	15.38	15.52	15.69	16.5
		75	0	15.46	15.46	15.51	16.5
	64QAM	1	0	15.28	15.32	15.24	16.5
		1	38	15.08	14.13	15.03	16.5
		1	74	15.19	15.17	15.2	16.5
		36	0	15.33	15.24	15.27	16.5
		36	18	15.11	15.07	15.02	16.5
		36	39	15.21	15.06	14.99	16.5
		75	0	15.19	15.27	15.21	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	15.5	15.58	15.58	16.5
		1	50	15.07	14.65	15.65	16.5
		1	99	15.48	15.66	15.83	16.5
		50	0	15.36	15.56	15.55	16.5
		50	25	15.53	15.51	15.6	16.5
		50	50	15.53	15.55	15.65	16.5
		100	0	15.48	15.49	15.59	16.5
	16QAM	1	0	15.61	15.45	15.76	16.5
		1	50	15.78	15.91	15.47	16.5
		1	99	15.63	15.88	16.22	16.5
		50	0	15.29	15.44	15.61	16.5
		50	25	15.37	15.44	15.54	16.5
		50	50	15.47	15.59	15.7	16.5
		100	0	15.44	15.45	15.6	16.5

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	64QAM	1	0	15.33	15.37	15.26	16.5
		1	50	15.16	14.23	15.14	16.5
		1	99	15.22	15.29	15.31	16.5
		50	0	15.38	15.36	15.3	16.5
		50	25	15.17	15.15	15.11	16.5
		50	50	15.21	15.18	15.09	16.5
		100	0	15.25	15.27	15.22	16.5

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LTE Band 38 Receiver on(Left head) + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	11.42	11.51	11.75	12.5
		1	13	11.51	11.56	11.7	12.5
		1	24	11.44	11.6	11.58	12.5
		12	0	11.52	11.49	11.67	12.5
		12	6	11.08	11.51	11.42	12.5
		12	13	11.54	11.62	11.75	12.5
		25	0	11.43	11.52	11.58	12.5
	16QAM	1	0	11.63	12.01	11.63	12.5
		1	13	11.59	12.08	11.68	12.5
		1	24	11.48	11.94	11.58	12.5
		12	0	11.48	11.57	11.68	12.5
		12	6	11.45	11.41	11.61	12.5
		12	13	11.38	11.53	11.63	12.5
		25	0	11.35	11.38	11.56	12.5
	64QAM	1	0	11.51	11.54	11.57	12.5
		1	13	11.6	11.81	11.79	12.5
		1	24	11.6	11.54	11.66	12.5
		12	0	11.41	11.42	11.53	12.5
		12	6	11.34	11.39	11.26	12.5
		12	13	11.19	11.26	11.33	12.5
		25	0	11.39	11.26	11.37	12.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	11.49	11.48	11.67	12.5
		1	25	11.78	11.57	11.82	12.5
		1	49	11.58	11.64	11.66	12.5
		25	0	11.52	11.48	11.61	12.5
		25	13	11.42	11.5	11.71	12.5
		25	25	11.49	11.49	11.71	12.5
		50	0	11.54	11.59	11.73	12.5
	16QAM	1	0	11.67	11.76	11.54	12.5
		1	25	11.9	11.75	11.47	12.5
		1	49	11.44	11.4	11.98	12.5
		25	0	11.4	11.57	11.56	12.5
		25	13	11.34	11.43	11.57	12.5
		25	25	11.45	11.44	11.56	12.5
		50	0	11.32	11.42	11.64	12.5
	64QAM	1	0	11.62	11.71	11.52	12.5
		1	25	11.49	11.61	11.71	12.5
		1	49	11.65	11.52	11.89	12.5
		25	0	11.27	11.24	11.57	12.5

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		25	13	11.32	11.43	11.29	12.5
		25	25	11.41	11.53	11.52	12.5
		50	0	11.08	11.25	11.44	12.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	11.45	11.37	11.52	12.5
		1	38	11.53	11.61	11.7	12.5
		1	74	11.45	11.59	11.69	12.5
		36	0	11.49	11.58	11.62	12.5
		36	18	11.57	11.64	11.65	12.5
		36	39	11.56	11.57	11.73	12.5
		75	0	11.52	11.56	11.62	12.5
	16QAM	1	0	11.66	11.46	11.75	12.5
		1	38	11.89	11.7	11.89	12.5
		1	74	11.65	11.75	12.06	12.5
		36	0	11.46	11.52	11.68	12.5
		36	18	11.57	11.51	11.51	12.5
		36	39	11.5	11.48	11.79	12.5
		75	0	11.39	11.42	11.49	12.5
	64QAM	1	0	11.68	11.7	11.44	12.5
		1	38	11.57	11.55	11.93	12.5
		1	74	11.48	11.31	11.94	12.5
		36	0	11.28	11.12	11.34	12.5
		36	18	11.14	11.33	11.31	12.5
		36	39	11.3	11.55	11.36	12.5
		75	0	11.16	11.41	11.53	12.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	11.6	11.51	11.71	12.5
		1	50	11.63	11.58	11.68	12.5
		1	99	11.61	11.66	11.77	12.5
		50	0	11.52	11.61	11.65	12.5
		50	25	11.51	11.58	11.69	12.5
		50	50	11.53	11.62	11.72	12.5
		100	0	11.52	11.54	11.7	12.5
	16QAM	1	0	11.77	11.75	11.68	12.5
		1	50	11.81	11.82	12	12.5
		1	99	11.66	11.64	11.97	12.5
		50	0	11.57	11.43	11.57	12.5
		50	25	11.46	11.53	11.6	12.5
		50	50	11.47	11.6	11.61	12.5
		100	0	11.43	11.44	11.62	12.5

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	64QAM	1	0	11.71	11.53	11.57	12.5
		1	50	11.71	11.56	11.92	12.5
		1	99	11.33	11.63	11.67	12.5
		50	0	11.46	11.14	11.32	12.5
		50	25	11.12	11.18	11.31	12.5
		50	50	11.21	11.46	11.59	12.5
		100	0	11.1	11.29	11.38	12.5

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LTE Band 38 Receiver on(Right head) + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	10.4	10.45	10.7	11.5
		1	13	10.48	10.46	10.69	11.5
		1	24	10.37	10.39	10.6	11.5
		12	0	10.47	10.58	10.65	11.5
		12	6	10.21	10.47	10.51	11.5
		12	13	10.5	10.58	10.63	11.5
		25	0	10.53	10.43	10.55	11.5
	16QAM	1	0	10.62	10.62	10.73	11.5
		1	13	10.37	10.56	10.9	11.5
		1	24	10.57	10.36	10.83	11.5
		12	0	10.34	10.52	10.54	11.5
		12	6	10.3	10.46	10.68	11.5
		12	13	10.35	10.53	10.5	11.5
		25	0	10.44	10.4	10.61	11.5
	64QAM	1	0	10.39	10.45	10.5	11.5
		1	13	10.53	10.7	10.74	11.5
		1	24	10.52	10.44	10.63	11.5
		12	0	10.41	10.38	10.53	11.5
		12	6	10.25	10.3	10.15	11.5
		12	13	10.05	10.17	10.29	11.5
		25	0	10.37	10.12	10.25	11.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	10.43	10.45	10.63	11.5
		1	25	10.57	10.54	10.6	11.5
		1	49	10.56	10.53	10.7	11.5
		25	0	10.47	10.44	10.59	11.5
		25	13	10.49	10.44	10.68	11.5
		25	25	10.43	10.46	10.7	11.5
		50	0	10.5	10.43	10.57	11.5
	16QAM	1	0	10.7	10.55	10.74	11.5
		1	25	10.53	10.26	10.28	11.5
		1	49	10.6	10.6	10.73	11.5
		25	0	10.35	10.45	10.51	11.5
		25	13	10.44	10.52	10.59	11.5
		25	25	10.36	10.51	10.63	11.5
		50	0	10.43	10.49	10.59	11.5
	64QAM	1	0	10.44	10.41	10.44	11.5
		1	25	10.58	10.75	10.66	11.5
		1	49	10.46	10.45	10.51	11.5
		25	0	10.27	10.31	10.49	11.5

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		25	13	10.3	10.26	10.17	11.5
		25	25	10.06	10.2	10.33	11.5
		50	0	10.26	10.11	10.24	11.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	10.39	10.49	10.48	11.5
		1	38	10.46	10.54	10.62	11.5
		1	74	10.55	10.54	10.68	11.5
		36	0	10.58	10.52	10.72	11.5
		36	18	10.51	10.58	10.6	11.5
		36	39	10.52	10.65	10.69	11.5
		75	0	10.46	10.5	10.57	11.5
	16QAM	1	0	10.43	10.44	10.53	11.5
		1	38	10.5	10.53	10.74	11.5
		1	74	10.43	10.4	10.8	11.5
		36	0	10.47	10.42	10.58	11.5
		36	18	10.42	10.49	10.62	11.5
		36	39	10.43	10.55	10.66	11.5
		75	0	10.39	10.51	10.62	11.5
	64QAM	1	0	10.44	10.51	10.51	11.5
		1	38	10.46	10.68	10.79	11.5
		1	74	10.57	10.53	10.59	11.5
		36	0	10.29	10.37	10.4	11.5
		36	18	10.3	10.37	10.24	11.5
		36	39	10.1	10.19	10.3	11.5
		75	0	10.36	10.19	10.32	11.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	10.52	10.48	10.61	11.5
		1	50	10.36	10.59	10.64	11.5
		1	99	10.52	10.61	10.8	11.5
		50	0	10.55	10.5	10.57	11.5
		50	25	10.53	10.47	10.6	11.5
		50	50	10.56	10.64	10.76	11.5
		100	0	10.56	10.57	10.61	11.5
	16QAM	1	0	10.28	10.66	10.67	11.5
		1	50	10.7	10.7	10.52	11.5
		1	99	10.43	10.95	10.87	11.5
		50	0	10.35	10.41	10.59	11.5
		50	25	10.48	10.54	10.62	11.5
		50	50	10.48	10.56	10.65	11.5
		100	0	10.48	10.49	10.54	11.5

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	64QAM	1	0	10.43	10.46	10.48	11.5
		1	50	10.56	10.69	10.71	11.5
		1	99	10.55	10.52	10.57	11.5
		50	0	10.29	10.36	10.39	11.5
		50	25	10.23	10.31	10.22	11.5
		50	50	10.11	10.14	10.18	11.5
		100	0	10.27	10.21	10.28	11.5

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LTE Band 38 Receiver off + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	13.56	13.48	13.7	14.5
		1	13	13.57	13.51	13.65	14.5
		1	24	13.51	13.48	13.67	14.5
		12	0	13.58	13.52	13.82	14.5
		12	6	13.54	13.41	13.5	14.5
		12	13	13.59	13.57	13.77	14.5
		25	0	13.64	13.57	13.7	14.5
	16QAM	1	0	13.49	13.63	13.51	14.5
		1	13	13.68	13.54	13.6	14.5
		1	24	13.5	13.56	13.55	14.5
		12	0	13.55	13.51	13.61	14.5
		12	6	13.5	13.53	13.62	14.5
		12	13	13.43	13.39	13.65	14.5
		25	0	13.42	13.52	13.59	14.5
	64QAM	1	0	13.33	13.41	13.46	14.5
		1	13	13.45	13.53	13.58	14.5
		1	24	13.41	13.46	13.46	14.5
		12	0	13.19	13.22	13.25	14.5
		12	6	13.18	13.22	13.11	14.5
		12	13	12.97	13.13	13.13	14.5
		25	0	13.15	13.08	13.26	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	13.55	13.45	13.74	14.5
		1	25	13.57	13.44	13.73	14.5
		1	49	13.54	13.49	13.75	14.5
		25	0	13.53	13.51	13.67	14.5
		25	13	13.56	13.53	13.8	14.5
		25	25	13.5	13.45	13.69	14.5
		50	0	13.56	13.49	13.67	14.5
	16QAM	1	0	13.89	13.41	13.77	14.5
		1	25	13.75	13.82	13.74	14.5
		1	49	13.78	13.34	13.78	14.5
		25	0	13.45	13.45	13.64	14.5
		25	13	13.44	13.41	13.59	14.5
		25	25	13.51	13.41	13.62	14.5
		50	0	13.55	13.48	13.71	14.5
	64QAM	1	0	13.34	13.36	13.37	14.5
		1	25	13.5	13.62	13.68	14.5
		1	49	13.54	13.41	13.55	14.5
		25	0	13.29	13.21	13.36	14.5

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		25	13	13.19	13.21	13.11	14.5
		25	25	12.97	13.08	13.14	14.5
		50	0	13.14	13.14	13.22	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	13.37	13.5	13.6	14.5
		1	38	13.53	13.56	13.64	14.5
		1	74	13.48	13.57	13.68	14.5
		36	0	13.55	13.51	13.71	14.5
		36	18	13.5	13.51	13.72	14.5
		36	39	13.55	13.54	13.81	14.5
		75	0	13.56	13.53	13.68	14.5
	16QAM	1	0	13.65	13.58	13.7	14.5
		1	38	13.71	13.68	13.84	14.5
		1	74	13.38	13.34	13.59	14.5
		36	0	13.51	13.44	13.62	14.5
		36	18	13.51	13.47	13.67	14.5
		36	39	13.53	13.53	13.74	14.5
		75	0	13.48	13.42	13.6	14.5
	64QAM	1	0	13.43	13.32	13.34	14.5
		1	38	13.46	13.68	13.64	14.5
		1	74	13.49	13.44	13.49	14.5
		36	0	13.21	13.21	13.25	14.5
		36	18	13.12	13.16	13.21	14.5
		36	39	12.99	13.03	13.14	14.5
		75	0	13.27	13.13	13.26	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	13.59	13.58	13.68	14.5
		1	50	13.31	13.57	13.59	14.5
		1	99	13.63	13.74	13.86	14.5
		50	0	13.61	13.57	13.61	14.5
		50	25	13.53	13.48	13.64	14.5
		50	50	13.58	13.59	13.8	14.5
		100	0	13.56	13.54	13.65	14.5
	16QAM	1	0	13.69	13.58	13.83	14.5
		1	50	13.01	13.34	14.02	14.5
		1	99	13.47	13.82	14.27	14.5
		50	0	13.5	13.43	13.63	14.5
		50	25	13.46	13.4	13.57	14.5
		50	50	13.55	13.55	13.61	14.5
		100	0	13.52	13.52	13.54	14.5

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	64QAM	1	0	13.42	13.32	13.35	14.5
		1	50	13.56	13.66	13.62	14.5
		1	99	13.44	13.42	13.47	14.5
		50	0	13.21	13.24	13.37	14.5
		50	25	13.21	13.22	13.13	14.5
		50	50	13.11	13.03	13.15	14.5
		100	0	13.26	13.16	13.2	14.5

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LTE Band 38 Receiver on(Left head) + BT + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	11.42	11.51	11.75	12.5
		1	13	11.51	11.56	11.7	12.5
		1	24	11.44	11.6	11.58	12.5
		12	0	11.52	11.49	11.67	12.5
		12	6	11.08	11.51	11.42	12.5
		12	13	11.54	11.62	11.75	12.5
		25	0	11.43	11.52	11.58	12.5
	16QAM	1	0	11.63	12.01	11.63	12.5
		1	13	11.59	12.08	11.68	12.5
		1	24	11.48	11.94	11.58	12.5
		12	0	11.48	11.57	11.68	12.5
		12	6	11.45	11.41	11.61	12.5
		12	13	11.38	11.53	11.63	12.5
		25	0	11.35	11.38	11.56	12.5
	64QAM	1	0	11.51	11.54	11.57	12.5
		1	13	11.6	11.81	11.79	12.5
		1	24	11.6	11.54	11.66	12.5
		12	0	11.41	11.42	11.53	12.5
		12	6	11.34	11.39	11.26	12.5
		12	13	11.19	11.26	11.33	12.5
		25	0	11.39	11.26	11.37	12.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	11.49	11.48	11.67	12.5
		1	25	11.78	11.57	11.82	12.5
		1	49	11.58	11.64	11.66	12.5
		25	0	11.52	11.48	11.61	12.5
		25	13	11.42	11.5	11.71	12.5
		25	25	11.49	11.49	11.71	12.5
		50	0	11.54	11.59	11.73	12.5
	16QAM	1	0	11.67	11.76	11.54	12.5
		1	25	11.9	11.75	11.47	12.5
		1	49	11.44	11.4	11.98	12.5
		25	0	11.4	11.57	11.56	12.5
		25	13	11.34	11.43	11.57	12.5
		25	25	11.45	11.44	11.56	12.5
		50	0	11.32	11.42	11.64	12.5
	64QAM	1	0	11.62	11.71	11.52	12.5
		1	25	11.49	11.61	11.71	12.5
		1	49	11.65	11.52	11.89	12.5
		25	0	11.27	11.24	11.57	12.5

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		25	13	11.32	11.43	11.29	12.5
		25	25	11.41	11.53	11.52	12.5
		50	0	11.08	11.25	11.44	12.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	11.45	11.37	11.52	12.5
		1	38	11.53	11.61	11.7	12.5
		1	74	11.45	11.59	11.69	12.5
		36	0	11.49	11.58	11.62	12.5
		36	18	11.57	11.64	11.65	12.5
		36	39	11.56	11.57	11.73	12.5
		75	0	11.52	11.56	11.62	12.5
	16QAM	1	0	11.66	11.46	11.75	12.5
		1	38	11.89	11.7	11.89	12.5
		1	74	11.65	11.75	12.06	12.5
		36	0	11.46	11.52	11.68	12.5
		36	18	11.57	11.51	11.51	12.5
		36	39	11.5	11.48	11.79	12.5
		75	0	11.39	11.42	11.49	12.5
	64QAM	1	0	11.68	11.7	11.44	12.5
		1	38	11.57	11.55	11.93	12.5
		1	74	11.48	11.31	11.94	12.5
		36	0	11.28	11.12	11.34	12.5
		36	18	11.14	11.33	11.31	12.5
		36	39	11.3	11.55	11.36	12.5
		75	0	11.16	11.41	11.53	12.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	11.6	11.51	11.71	12.5
		1	50	11.63	11.58	11.68	12.5
		1	99	11.61	11.66	11.77	12.5
		50	0	11.52	11.61	11.65	12.5
		50	25	11.51	11.58	11.69	12.5
		50	50	11.53	11.62	11.72	12.5
		100	0	11.52	11.54	11.7	12.5
	16QAM	1	0	11.77	11.75	11.68	12.5
		1	50	11.81	11.82	12	12.5
		1	99	11.66	11.64	11.97	12.5
		50	0	11.57	11.43	11.57	12.5
		50	25	11.46	11.53	11.6	12.5
		50	50	11.47	11.6	11.61	12.5
		100	0	11.43	11.44	11.62	12.5

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	64QAM	1	0	11.71	11.53	11.57	12.5
		1	50	11.71	11.56	11.92	12.5
		1	99	11.33	11.63	11.67	12.5
		50	0	11.46	11.14	11.32	12.5
		50	25	11.12	11.18	11.31	12.5
		50	50	11.21	11.46	11.59	12.5
		100	0	11.1	11.29	11.38	12.5

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LTE Band 38 Receiver on(Right head) + BT + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	10.4	10.45	10.7	11.5
		1	13	10.48	10.46	10.69	11.5
		1	24	10.37	10.39	10.6	11.5
		12	0	10.47	10.58	10.65	11.5
		12	6	10.21	10.47	10.51	11.5
		12	13	10.5	10.58	10.63	11.5
		25	0	10.53	10.43	10.55	11.5
	16QAM	1	0	10.62	10.62	10.73	11.5
		1	13	10.37	10.56	10.9	11.5
		1	24	10.57	10.36	10.83	11.5
		12	0	10.34	10.52	10.54	11.5
		12	6	10.3	10.46	10.68	11.5
		12	13	10.35	10.53	10.5	11.5
		25	0	10.44	10.4	10.61	11.5
	64QAM	1	0	10.39	10.45	10.5	11.5
		1	13	10.53	10.7	10.74	11.5
		1	24	10.52	10.44	10.63	11.5
		12	0	10.41	10.38	10.53	11.5
		12	6	10.25	10.3	10.15	11.5
		12	13	10.05	10.17	10.29	11.5
		25	0	10.37	10.12	10.25	11.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	10.43	10.45	10.63	11.5
		1	25	10.57	10.54	10.6	11.5
		1	49	10.56	10.53	10.7	11.5
		25	0	10.47	10.44	10.59	11.5
		25	13	10.49	10.44	10.68	11.5
		25	25	10.43	10.46	10.7	11.5
		50	0	10.5	10.43	10.57	11.5
	16QAM	1	0	10.7	10.55	10.74	11.5
		1	25	10.53	10.26	10.28	11.5
		1	49	10.6	10.6	10.73	11.5
		25	0	10.35	10.45	10.51	11.5
		25	13	10.44	10.52	10.59	11.5
		25	25	10.36	10.51	10.63	11.5
		50	0	10.43	10.49	10.59	11.5
	64QAM	1	0	10.44	10.41	10.44	11.5
		1	25	10.58	10.75	10.66	11.5
		1	49	10.46	10.45	10.51	11.5
		25	0	10.27	10.31	10.49	11.5

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		25	13	10.3	10.26	10.17	11.5
		25	25	10.06	10.2	10.33	11.5
		50	0	10.26	10.11	10.24	11.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	10.39	10.49	10.48	11.5
		1	38	10.46	10.54	10.62	11.5
		1	74	10.55	10.54	10.68	11.5
		36	0	10.58	10.52	10.72	11.5
		36	18	10.51	10.58	10.6	11.5
		36	39	10.52	10.65	10.69	11.5
		75	0	10.46	10.5	10.57	11.5
	16QAM	1	0	10.43	10.44	10.53	11.5
		1	38	10.5	10.53	10.74	11.5
		1	74	10.43	10.4	10.8	11.5
		36	0	10.47	10.42	10.58	11.5
		36	18	10.42	10.49	10.62	11.5
		36	39	10.43	10.55	10.66	11.5
		75	0	10.39	10.51	10.62	11.5
	64QAM	1	0	10.44	10.51	10.51	11.5
		1	38	10.46	10.68	10.79	11.5
		1	74	10.57	10.53	10.59	11.5
		36	0	10.29	10.37	10.4	11.5
		36	18	10.3	10.37	10.24	11.5
		36	39	10.1	10.19	10.3	11.5
		75	0	10.36	10.19	10.32	11.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	10.52	10.48	10.61	11.5
		1	50	10.36	10.59	10.64	11.5
		1	99	10.52	10.61	10.8	11.5
		50	0	10.55	10.5	10.57	11.5
		50	25	10.53	10.47	10.6	11.5
		50	50	10.56	10.64	10.76	11.5
		100	0	10.56	10.57	10.61	11.5
	16QAM	1	0	10.28	10.66	10.67	11.5
		1	50	10.7	10.7	10.52	11.5
		1	99	10.43	10.95	10.87	11.5
		50	0	10.35	10.41	10.59	11.5
		50	25	10.48	10.54	10.62	11.5
		50	50	10.48	10.56	10.65	11.5
		100	0	10.48	10.49	10.54	11.5

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	64QAM	1	0	10.43	10.46	10.48	11.5
		1	50	10.56	10.69	10.71	11.5
		1	99	10.55	10.52	10.57	11.5
		50	0	10.29	10.36	10.39	11.5
		50	25	10.23	10.31	10.22	11.5
		50	50	10.11	10.14	10.18	11.5
		100	0	10.27	10.21	10.28	11.5

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	13.56	13.48	13.7	14.5
		1	13	13.57	13.51	13.65	14.5
		1	24	13.51	13.48	13.67	14.5
		12	0	13.58	13.52	13.82	14.5
		12	6	13.54	13.41	13.5	14.5
		12	13	13.59	13.57	13.77	14.5
		25	0	13.64	13.57	13.7	14.5
	16QAM	1	0	13.49	13.63	13.51	14.5
		1	13	13.68	13.54	13.6	14.5
		1	24	13.5	13.56	13.55	14.5
		12	0	13.55	13.51	13.61	14.5
		12	6	13.5	13.53	13.62	14.5
		12	13	13.43	13.39	13.65	14.5
		25	0	13.42	13.52	13.59	14.5
	64QAM	1	0	13.33	13.41	13.46	14.5
		1	13	13.45	13.53	13.58	14.5
		1	24	13.41	13.46	13.46	14.5
		12	0	13.19	13.22	13.25	14.5
		12	6	13.18	13.22	13.11	14.5
		12	13	12.97	13.13	13.13	14.5
		25	0	13.15	13.08	13.26	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	13.55	13.45	13.74	14.5
		1	25	13.57	13.44	13.73	14.5
		1	49	13.54	13.49	13.75	14.5
		25	0	13.53	13.51	13.67	14.5
		25	13	13.56	13.53	13.8	14.5
		25	25	13.5	13.45	13.69	14.5
		50	0	13.56	13.49	13.67	14.5
	16QAM	1	0	13.89	13.41	13.77	14.5
		1	25	13.75	13.82	13.74	14.5
		1	49	13.78	13.34	13.78	14.5
		25	0	13.45	13.45	13.64	14.5
		25	13	13.44	13.41	13.59	14.5
		25	25	13.51	13.41	13.62	14.5
		50	0	13.55	13.48	13.71	14.5
	64QAM	1	0	13.34	13.36	13.37	14.5
		1	25	13.5	13.62	13.68	14.5
		1	49	13.54	13.41	13.55	14.5
		25	0	13.29	13.21	13.36	14.5

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		25	13	13.19	13.21	13.11	14.5
		25	25	12.97	13.08	13.14	14.5
		50	0	13.14	13.14	13.22	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	13.37	13.5	13.6	14.5
		1	38	13.53	13.56	13.64	14.5
		1	74	13.48	13.57	13.68	14.5
		36	0	13.55	13.51	13.71	14.5
		36	18	13.5	13.51	13.72	14.5
		36	39	13.55	13.54	13.81	14.5
		75	0	13.56	13.53	13.68	14.5
	16QAM	1	0	13.65	13.58	13.7	14.5
		1	38	13.71	13.68	13.84	14.5
		1	74	13.38	13.34	13.59	14.5
		36	0	13.51	13.44	13.62	14.5
		36	18	13.51	13.47	13.67	14.5
		36	39	13.53	13.53	13.74	14.5
		75	0	13.48	13.42	13.6	14.5
	64QAM	1	0	13.43	13.32	13.34	14.5
		1	38	13.46	13.68	13.64	14.5
		1	74	13.49	13.44	13.49	14.5
		36	0	13.21	13.21	13.25	14.5
		36	18	13.12	13.16	13.21	14.5
		36	39	12.99	13.03	13.14	14.5
		75	0	13.27	13.13	13.26	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	13.59	13.58	13.68	14.5
		1	50	13.31	13.57	13.59	14.5
		1	99	13.63	13.74	13.86	14.5
		50	0	13.61	13.57	13.61	14.5
		50	25	13.53	13.48	13.64	14.5
		50	50	13.58	13.59	13.8	14.5
		100	0	13.56	13.54	13.65	14.5
	16QAM	1	0	13.69	13.58	13.83	14.5
		1	50	13.01	13.34	14.02	14.5
		1	99	13.47	13.82	14.27	14.5
		50	0	13.5	13.43	13.63	14.5
		50	25	13.46	13.4	13.57	14.5
		50	50	13.55	13.55	13.61	14.5
		100	0	13.52	13.52	13.54	14.5

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	64QAM	1	0	13.42	13.32	13.35	14.5
		1	50	13.56	13.66	13.62	14.5
		1	99	13.44	13.42	13.47	14.5
		50	0	13.21	13.24	13.37	14.5
		50	25	13.21	13.22	13.13	14.5
		50	50	13.11	13.03	13.15	14.5
		100	0	13.26	13.16	13.2	14.5

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LTE Band 38 Receiver on(Left head) + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	13.56	13.55	13.78	14.5
		1	13	13.47	13.56	13.72	14.5
		1	24	13.51	13.52	13.61	14.5
		12	0	13.52	13.53	13.71	14.5
		12	6	13.62	13.5	13.8	14.5
		12	13	13.53	13.52	13.81	14.5
		25	0	13.43	13.39	13.73	14.5
	16QAM	1	0	13.81	13.8	13.89	14.5
		1	13	13.65	13.27	13.84	14.5
		1	24	13.62	13.35	13.92	14.5
		12	0	13.46	13.4	13.56	14.5
		12	6	13.46	13.56	13.6	14.5
		12	13	13.43	13.45	13.72	14.5
		25	0	13.37	13.32	13.49	14.5
	64QAM	1	0	13.32	13.22	13.15	14.5
		1	13	12.37	12.27	12.18	14.5
		1	24	12.9	13.16	13.04	14.5
		12	0	12.97	12.94	12.69	14.5
		12	6	12.95	12.91	12.75	14.5
		12	13	12.95	12.84	12.61	14.5
		25	0	12.92	12.83	12.87	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	13.47	13.44	13.78	14.5
		1	25	13.04	14.03	14.05	14.5
		1	49	13.46	13.46	13.65	14.5
		25	0	13.5	13.56	13.73	14.5
		25	13	13.52	13.39	13.72	14.5
		25	25	13.58	13.5	13.73	14.5
		50	0	13.52	13.49	13.73	14.5
	16QAM	1	0	13.78	13.72	13.65	14.5
		1	25	14.03	13.55	14.13	14.5
		1	49	13.87	13.54	13.72	14.5
		25	0	13.46	13.46	13.69	14.5
		25	13	13.5	13.46	13.64	14.5
		25	25	13.57	13.33	13.8	14.5
		50	0	13.43	13.47	13.58	14.5
	64QAM	1	0	13.31	13.2	13.22	14.5
		1	25	12.37	12.28	12.21	14.5
		1	49	13.02	13.07	13.01	14.5
		25	0	12.87	13	12.7	14.5

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		25	13	12.91	12.9	12.68	14.5
		25	25	12.98	12.82	12.56	14.5
		50	0	12.87	12.86	12.83	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	13.54	13.46	13.56	14.5
		1	38	13.36	13.51	13.61	14.5
		1	74	13.44	13.59	13.63	14.5
		36	0	13.54	13.48	13.63	14.5
		36	18	13.64	13.54	13.7	14.5
		36	39	13.48	13.62	13.79	14.5
		75	0	13.52	13.5	13.65	14.5
	16QAM	1	0	13.26	13.77	13.51	14.5
		1	38	13.88	13.59	13.65	14.5
		1	74	13.58	13.44	13.8	14.5
		36	0	13.45	13.41	13.57	14.5
		36	18	13.39	13.41	13.58	14.5
		36	39	13.47	13.47	13.7	14.5
		75	0	13.47	13.46	13.56	14.5
	64QAM	1	0	13.31	13.16	13.22	14.5
		1	38	12.27	12.32	12.16	14.5
		1	74	12.89	13.12	13.14	14.5
		36	0	12.96	12.92	12.71	14.5
		36	18	12.93	12.81	12.67	14.5
		36	39	12.87	12.78	12.63	14.5
		75	0	12.99	12.86	12.85	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	13.62	13.61	13.58	14.5
		1	50	12.99	13.56	14.06	14.5
		1	99	13.66	13.8	13.77	14.5
		50	0	13.5	13.49	13.6	14.5
		50	25	13.45	13.48	13.66	14.5
		50	50	13.58	13.54	13.71	14.5
		100	0	13.44	13.54	13.66	14.5
	16QAM	1	0	13.7	13.73	13.75	14.5
		1	50	13.46	13.46	14.17	14.5
		1	99	13.44	13.74	13.89	14.5
		50	0	13.39	13.38	13.61	14.5
		50	25	13.37	13.41	13.58	14.5
		50	50	13.49	13.43	13.73	14.5
		100	0	13.42	13.46	13.57	14.5

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	64QAM	1	0	13.37	13.25	13.17	14.5
		1	50	12.33	12.25	12.25	14.5
		1	99	12.97	13.11	13.02	14.5
		50	0	12.92	12.97	12.98	14.5
		50	25	12.85	12.84	12.86	14.5
		50	50	12.88	12.8	12.88	14.5
		100	0	12.87	12.9	12.89	14.5

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LTE Band 38 Receiver on(Right head) + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	12.36	12.52	12.69	13.5
		1	13	12.5	12.5	12.61	13.5
		1	24	12.42	12.43	12.65	13.5
		12	0	12.5	12.53	12.71	13.5
		12	6	12.43	12.55	12.67	13.5
		12	13	12.51	12.66	12.81	13.5
		25	0	12.54	12.63	12.74	13.5
	16QAM	1	0	12.89	12.85	12.63	13.5
		1	13	12.36	12.78	12.93	13.5
		1	24	12.72	12.84	12.84	13.5
		12	0	12.4	12.51	12.76	13.5
		12	6	12.48	12.61	12.66	13.5
		12	13	12.41	12.39	12.54	13.5
		25	0	12.44	12.44	12.69	13.5
	64QAM	1	0	12.31	12.2	12.11	13.5
		1	13	11.34	11.21	11.09	13.5
		1	24	11.81	12.08	12.01	13.5
		12	0	11.93	11.92	11.62	13.5
		12	6	11.93	11.89	11.68	13.5
		12	13	11.89	11.82	11.53	13.5
		25	0	11.89	11.74	11.78	13.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	12.41	12.49	12.64	13.5
		1	25	12.12	12.46	12.71	13.5
		1	49	12.38	12.63	12.72	13.5
		25	0	12.51	12.54	12.65	13.5
		25	13	12.53	12.55	12.77	13.5
		25	25	12.59	12.53	12.65	13.5
		50	0	12.52	12.52	12.65	13.5
	16QAM	1	0	12.65	12.63	12.97	13.5
		1	25	12.58	12.33	13.08	13.5
		1	49	12.5	12.76	12.93	13.5
		25	0	12.47	12.43	12.71	13.5
		25	13	12.29	12.47	12.7	13.5
		25	25	12.56	12.48	12.71	13.5
		50	0	12.42	12.45	12.5	13.5
	64QAM	1	0	12.32	12.2	12.05	13.5
		1	25	11.37	11.22	11.16	13.5
		1	49	11.89	12.14	12.04	13.5
		25	0	11.89	11.86	11.6	13.5

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		25	13	11.87	11.9	11.73	13.5
		25	25	11.9	11.78	11.59	13.5
		50	0	11.91	11.77	11.77	13.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	12.5	12.51	12.59	13.5
		1	38	12.55	12.54	12.76	13.5
		1	74	12.59	12.52	12.66	13.5
		36	0	12.53	12.56	12.7	13.5
		36	18	12.6	12.62	12.73	13.5
		36	39	12.57	12.67	12.81	13.5
		75	0	12.52	12.66	12.7	13.5
	16QAM	1	0	12.57	12.86	12.81	13.5
		1	38	12.67	13.06	12.78	13.5
		1	74	12.35	12.68	12.92	13.5
		36	0	12.56	12.46	12.67	13.5
		36	18	12.53	12.61	12.57	13.5
		36	39	12.49	12.55	12.73	13.5
		75	0	12.45	12.56	12.6	13.5
	64QAM	1	0	12.3	12.19	12.11	13.5
		1	38	11.3	11.21	11.13	13.5
		1	74	11.81	12.15	11.95	13.5
		36	0	11.88	11.9	11.6	13.5
		36	18	11.88	11.87	11.74	13.5
		36	39	11.93	11.8	11.54	13.5
		75	0	11.89	11.82	11.8	13.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	12.59	12.67	12.53	13.5
		1	50	12.54	13.01	12.8	13.5
		1	99	12.63	12.78	12.94	13.5
		50	0	12.5	12.66	12.68	13.5
		50	25	12.6	12.64	12.7	13.5
		50	50	12.6	12.65	12.77	13.5
		100	0	12.6	12.58	12.71	13.5
	16QAM	1	0	12.86	12.97	12.89	13.5
		1	50	13.04	12.43	12.67	13.5
		1	99	12.76	12.58	12.88	13.5
		50	0	12.41	12.42	12.56	13.5
		50	25	12.36	12.51	12.55	13.5
		50	50	12.51	12.59	12.71	13.5
		100	0	12.55	12.49	12.62	13.5

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	64QAM	1	0	12.22	12.37	12.12	13.5
		1	50	11.35	11.25	11.14	13.5
		1	99	11.83	12.08	12.02	13.5
		50	0	11.94	11.84	11.64	13.5
		50	25	11.85	11.81	11.7	13.5
		50	50	11.95	11.79	11.58	13.5
		100	0	11.87	11.83	11.87	13.5

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LTE Band 38 Receiver off + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	15.51	15.49	15.79	16.5
		1	13	15.49	15.54	15.7	16.5
		1	24	15.42	15.48	15.71	16.5
		12	0	15.5	15.56	15.78	16.5
		12	6	15.6	15.45	15.68	16.5
		12	13	15.52	15.53	15.74	16.5
		25	0	15.54	15.4	15.67	16.5
	16QAM	1	0	15.58	15.63	15.77	16.5
		1	13	15.59	15.87	15.61	16.5
		1	24	15.5	15.8	15.66	16.5
		12	0	15.45	15.42	15.69	16.5
		12	6	15.34	15.52	15.49	16.5
		12	13	15.39	15.51	15.74	16.5
		25	0	15.56	15.48	15.62	16.5
	64QAM	1	0	15.26	15.31	15.21	16.5
		1	13	15.13	14.12	15.07	16.5
		1	24	15.15	15.22	15.29	16.5
		12	0	15.28	15.3	15.23	16.5
		12	6	15.14	15.08	15.07	16.5
		12	13	15.19	15.17	14.98	16.5
		25	0	15.2	15.19	15.17	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	15.44	15.43	15.69	16.5
		1	25	15.25	15.72	15.93	16.5
		1	49	15.42	15.55	15.6	16.5
		25	0	15.4	15.5	15.63	16.5
		25	13	15.49	15.56	15.77	16.5
		25	25	15.54	15.49	15.79	16.5
		50	0	15.48	15.47	15.77	16.5
	16QAM	1	0	15.45	15.34	15.64	16.5
		1	25	15.12	15.61	15.74	16.5
		1	49	15.39	15.37	15.57	16.5
		25	0	15.42	15.5	15.53	16.5
		25	13	15.53	15.52	15.52	16.5
		25	25	15.49	15.43	15.64	16.5
		50	0	15.41	15.38	15.56	16.5
	64QAM	1	0	15.31	15.34	15.19	16.5
		1	25	15.12	14.23	15.03	16.5
		1	49	15.1	15.18	15.29	16.5
		25	0	15.32	15.35	15.27	16.5

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		25	13	15.07	15.06	15.01	16.5
		25	25	15.19	15.16	14.98	16.5
		50	0	15.16	15.15	15.11	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	15.42	15.44	15.48	16.5
		1	38	15.45	15.43	15.66	16.5
		1	74	15.45	15.52	15.7	16.5
		36	0	15.46	15.57	15.7	16.5
		36	18	15.47	15.53	15.6	16.5
		36	39	15.48	15.51	15.71	16.5
		75	0	15.52	15.51	15.67	16.5
	16QAM	1	0	15.52	15.46	15.65	16.5
		1	38	15.71	15.61	15.74	16.5
		1	74	15.41	15.62	15.66	16.5
		36	0	15.34	15.37	15.61	16.5
		36	18	15.5	15.48	15.53	16.5
		36	39	15.38	15.52	15.69	16.5
		75	0	15.46	15.46	15.51	16.5
	64QAM	1	0	15.28	15.32	15.24	16.5
		1	38	15.08	14.13	15.03	16.5
		1	74	15.19	15.17	15.2	16.5
		36	0	15.33	15.24	15.27	16.5
		36	18	15.11	15.07	15.02	16.5
		36	39	15.21	15.06	14.99	16.5
		75	0	15.19	15.27	15.21	16.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	15.5	15.58	15.58	16.5
		1	50	15.07	14.65	15.65	16.5
		1	99	15.48	15.66	15.83	16.5
		50	0	15.36	15.56	15.55	16.5
		50	25	15.53	15.51	15.6	16.5
		50	50	15.53	15.55	15.65	16.5
		100	0	15.48	15.49	15.59	16.5
	16QAM	1	0	15.61	15.45	15.76	16.5
		1	50	15.78	15.91	15.47	16.5
		1	99	15.63	15.88	16.22	16.5
		50	0	15.29	15.44	15.61	16.5
		50	25	15.37	15.44	15.54	16.5
		50	50	15.47	15.59	15.7	16.5
		100	0	15.44	15.45	15.6	16.5

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	64QAM	1	0	15.33	15.37	15.26	16.5
		1	50	15.16	14.23	15.14	16.5
		1	99	15.22	15.29	15.31	16.5
		50	0	15.38	15.36	15.3	16.5
		50	25	15.17	15.15	15.11	16.5
		50	50	15.21	15.18	15.09	16.5
		100	0	15.25	15.27	15.22	16.5

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LTE Band 41 Receiver on(Left head)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40165	40690	41215	
5MHz	QPSK	1	0	16.4	16.47	16.41	17.5
		1	13	16.36	16.44	16.41	17.5
		1	24	16.39	16.47	16.41	17.5
		12	0	16.44	16.49	16.5	17.5
		12	6	16.38	16.52	16.42	17.5
		12	13	16.46	16.54	16.46	17.5
		25	0	16.43	16.5	16.46	17.5
	16QAM	1	0	16.53	16.61	16.72	17.5
		1	13	16.5	16.6	16.69	17.5
		1	24	16.46	16.64	16.73	17.5
		12	0	16.39	16.44	16.44	17.5
		12	6	16.3	16.4	16.36	17.5
		12	13	16.34	16.44	16.36	17.5
		25	0	16.32	16.4	16.32	17.5
	64QAM	1	0	16.48	16.68	16.57	17.5
		1	13	15.89	15.94	16.09	17.5
		1	24	16.4	16.49	16.74	17.5
		12	0	16.13	16.09	16.24	17.5
		12	6	16.13	16.1	16.34	17.5
		12	13	16.04	16.12	16.32	17.5
		25	0	16.09	16.09	16.34	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40190	40690	41190	
10MHz	QPSK	1	0	16.34	16.48	16.38	17.5
		1	25	16.19	16.31	16.25	17.5
		1	49	16.34	16.47	16.39	17.5
		25	0	16.37	16.44	16.4	17.5
		25	13	16.36	16.4	16.37	17.5
		25	25	16.37	16.45	16.41	17.5
		50	0	16.34	16.46	16.38	17.5
	16QAM	1	0	16.61	16.64	16.57	17.5
		1	25	16.48	16.55	16.38	17.5
		1	49	16.66	16.59	16.55	17.5
		25	0	16.34	16.38	16.38	17.5
		25	13	16.34	16.36	16.33	17.5
		25	25	16.35	16.41	16.32	17.5
		50	0	16.28	16.39	16.33	17.5
	64QAM	1	0	16.52	16.71	16.66	17.5
		1	25	15.9	15.96	16.12	17.5
		1	49	16.37	16.5	16.7	17.5
		25	0	16.19	16.09	16.24	17.5

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		25	13	16.12	16.02	16.26	17.5
		25	25	16	16.12	16.31	17.5
		50	0	16.1	16.14	16.37	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40215	40690	41165	
15MHz	QPSK	1	0	16.4	16.48	16.44	17.5
		1	38	16.38	16.38	16.39	17.5
		1	74	16.36	16.43	16.42	17.5
		36	0	16.46	16.43	16.4	17.5
		36	18	16.34	16.38	16.31	17.5
		36	39	16.33	16.47	16.37	17.5
		75	0	16.35	16.39	16.37	17.5
	16QAM	1	0	16.53	16.49	16.41	17.5
		1	38	16.48	16.46	16.41	17.5
		1	74	16.5	16.55	16.49	17.5
		36	0	16.43	16.38	16.35	17.5
		36	18	16.32	16.33	16.28	17.5
		36	39	16.34	16.42	16.29	17.5
		75	0	16.26	16.34	16.29	17.5
	64QAM	1	0	16.43	16.66	16.61	17.5
		1	38	15.86	15.93	16.1	17.5
		1	74	16.36	16.42	16.71	17.5
		36	0	16.11	16.08	16.24	17.5
		36	18	16.11	16.06	16.32	17.5
		36	39	16.1	16.05	16.22	17.5
		75	0	16.13	16.1	16.41	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40240	40690	41140	
20MHz	QPSK	1	0	16.59	16.68	16.63	17.5
		1	50	16.05	15.85	15.84	17.5
		1	99	16.65	16.63	16.56	17.5
		50	0	16.44	16.5	16.43	17.5
		50	25	16.35	16.32	16.33	17.5
		50	50	16.33	16.43	16.44	17.5
		100	0	16.38	16.38	16.38	17.5
	16QAM	1	0	16.78	16.81	16.8	17.5
		1	50	16.5	16.12	16.23	17.5
		1	99	16.77	16.76	16.77	17.5
		50	0	16.37	16.39	16.34	17.5
		50	25	16.25	16.25	16.24	17.5
		50	50	16.25	16.43	16.38	17.5
		100	0	16.37	16.28	16.35	17.5

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	64QAM	1	0	16.47	16.74	16.64	17.5
		1	50	15.84	15.92	16.18	17.5
		1	99	16.43	16.46	16.68	17.5
		50	0	16.14	16.11	16.25	17.5
		50	25	16.08	16	16.23	17.5
		50	50	16.02	16.06	16.32	17.5
		100	0	16.11	16.09	16.41	17.5

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LTE Band 41 Receiver on(Right head)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40165	40690	41215	
5MHz	QPSK	1	0	15.92	16.09	15.97	17
		1	13	15.95	16.08	15.97	17
		1	24	15.94	16.07	16.01	17
		12	0	16	16.07	16.09	17
		12	6	15.97	15.98	16	17
		12	13	16.04	16.09	16.05	17
		25	0	16.03	16.07	16.03	17
	16QAM	1	0	16.2	16.25	16.24	17
		1	13	16.12	16.26	16.2	17
		1	24	16.22	16.3	16.19	17
		12	0	15.9	15.98	15.95	17
		12	6	15.85	15.97	15.92	17
		12	13	15.87	15.94	15.92	17
		25	0	15.92	15.99	15.99	17
	64QAM	1	0	16.13	16.34	16.28	17
		1	13	15.54	15.58	15.8	17
		1	24	16.08	16.13	16.36	17
		12	0	15.79	15.78	15.93	17
		12	6	15.73	15.7	15.95	17
		12	13	15.71	15.76	15.94	17
		25	0	15.79	15.75	16.01	17
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40190	40690	41190	
10MHz	QPSK	1	0	16.01	16.09	15.98	17
		1	25	15.9	15.95	15.88	17
		1	49	16	16.11	16.05	17
		25	0	15.98	16.06	16.06	17
		25	13	16.02	16.02	15.97	17
		25	25	16.05	16.1	16.06	17
		50	0	16.03	16.07	15.98	17
	16QAM	1	0	16.17	16.24	16.16	17
		1	25	15.91	16.03	16.09	17
		1	49	16	16.25	16.15	17
		25	0	15.96	16.02	15.98	17
		25	13	15.95	16.01	15.93	17
		25	25	15.98	16.08	15.98	17
		50	0	15.94	15.98	15.9	17
	64QAM	1	0	16.13	16.34	16.28	17
		1	25	15.54	15.58	15.8	17
		1	49	16.08	16.13	16.36	17
		25	0	15.79	15.78	15.93	17

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		25	13	15.73	15.7	15.95	17
		25	25	15.71	15.76	15.94	17
		50	0	15.79	15.75	16.01	17
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40215	40690	41165	
15MHz	QPSK	1	0	16.08	16.19	16.1	17
		1	38	16.07	16.09	16.02	17
		1	74	16.05	16.15	16.04	17
		36	0	16.2	16.15	16.13	17
		36	18	16.05	16.09	16	17
		36	39	16.03	16.12	16.06	17
		75	0	16.03	16.1	16.03	17
	16QAM	1	0	16.15	16.19	16.3	17
		1	38	16.1	16.12	16.15	17
		1	74	16.07	16.12	16.24	17
		36	0	16.07	16.05	16.01	17
		36	18	15.97	16.01	15.9	17
		36	39	16	16.05	15.93	17
		75	0	15.95	16	15.94	17
	64QAM	1	0	16.13	16.34	16.28	17
		1	38	15.54	15.58	15.8	17
		1	74	16.08	16.13	16.36	17
		36	0	15.79	15.78	15.93	17
		36	18	15.73	15.7	15.95	17
		36	39	15.71	15.76	15.94	17
		75	0	15.79	15.75	16.01	17
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40240	40690	41140	
20MHz	QPSK	1	0	16.26	16.31	16.29	17
		1	50	15.83	15.9	15.81	17
		1	99	16.23	16.23	16.22	17
		50	0	16.16	16.19	16.13	17
		50	25	16.02	16.04	16.03	17
		50	50	16.08	16.13	15.98	17
		100	0	16.04	16.12	16.16	17
	16QAM	1	0	16.36	16.42	16.58	17
		1	50	15.94	16.17	16.08	17
		1	99	16.32	16.4	16.45	17
		50	0	16.07	16.06	16.09	17
		50	25	15.93	15.97	15.91	17
		50	50	16.02	16.05	15.93	17
		100	0	16.03	16.04	16.03	17

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	64QAM	1	0	16.13	16.34	16.28	17
		1	50	15.54	15.58	15.8	17
		1	99	16.08	16.13	16.36	17
		50	0	15.79	15.78	15.93	17
		50	25	15.73	15.7	15.95	17
		50	50	15.71	15.76	15.94	17
		100	0	15.79	15.75	16.01	17

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LTE Band 41 Receiver off (Full Power)				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40165	40690	41215	
5MHz	QPSK	1	0	18.89	18.98	19.05	20
		1	13	18.81	18.96	19.12	20
		1	24	18.9	18.92	19.13	20
		12	0	18.94	19.13	19.11	20
		12	6	18.94	19	18.96	20
		12	13	18.93	19.05	19.19	20
		25	0	19.02	18.95	19.18	20
	16QAM	1	0	19.12	18.86	19.17	20
		1	13	19.02	19.06	19.19	20
		1	24	19.08	19.06	19.21	20
		12	0	18.93	18.95	19.22	20
		12	6	18.88	18.96	18.99	20
		12	13	18.86	19.02	19.17	20
		25	0	18.84	18.89	18.97	20
	64QAM	1	0	19.11	19.24	19.36	20
		1	13	18.55	18.63	18.69	20
		1	24	19.15	19.15	19.45	20
		12	0	18.82	18.7	18.89	20
		12	6	18.73	18.6	18.84	20
		12	13	18.71	18.72	18.95	20
		25	0	18.83	18.73	18.92	20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40190	40690	41190	
10MHz	QPSK	1	0	18.96	18.84	19.08	20
		1	25	19.09	18.83	18.97	20
		1	49	19.03	19	19.11	20
		25	0	18.95	18.95	19.11	20
		25	13	18.97	18.91	18.96	20
		25	25	19.01	19.09	19.2	20
		50	0	18.93	19.01	19.12	20
	16QAM	1	0	18.91	18.98	19	20
		1	25	19.25	18.83	18.96	20
		1	49	18.95	19.16	19.03	20
		25	0	18.96	18.9	19.11	20
		25	13	18.9	18.91	18.98	20
		25	25	18.93	18.99	19.13	20
		50	0	18.89	18.96	19.05	20
	64QAM	1	0	19.18	19.28	19.27	20
		1	25	18.49	18.54	18.76	20
		1	49	19.09	19.14	19.38	20
		25	0	18.83	18.71	18.94	20

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		25	13	18.63	18.71	18.88	20
		25	25	18.66	18.64	18.99	20
		50	0	18.82	18.65	18.86	20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40215	40690	41165	
15MHz	QPSK	1	0	18.92	18.97	19.25	20
		1	38	18.96	18.98	19.17	20
		1	74	18.95	19.11	19.17	20
		36	0	19.05	19.12	19.29	20
		36	18	18.99	19.12	19.13	20
		36	39	18.92	19.15	19.17	20
		75	0	18.99	19.11	19.18	20
	16QAM	1	0	19.09	18.83	19.03	20
		1	38	18.99	19.12	19.15	20
		1	74	19.23	19.36	19.12	20
		36	0	19.06	19.1	19.11	20
		36	18	18.93	19.05	19.02	20
		36	39	19.01	19.14	19.21	20
		75	0	18.89	18.94	19.07	20
	64QAM	1	0	19.11	19.23	19.28	20
		1	38	18.54	18.54	18.82	20
		1	74	19.13	19.04	19.32	20
		36	0	18.71	18.67	18.88	20
		36	18	18.64	18.64	18.89	20
		36	39	18.73	18.72	18.91	20
		75	0	18.77	18.76	18.91	20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40240	40690	41140	
20MHz	QPSK	1	0	19.13	19.12	19.26	20
		1	50	18.48	19.14	19	20
		1	99	19.24	19.44	19.3	20
		50	0	19.07	19.05	19.16	20
		50	25	18.93	18.98	19.15	20
		50	50	19.02	19.08	19.2	20
		100	0	19.02	19	19.19	20
	16QAM	1	0	19.12	19.33	19.23	20
		1	50	18.81	18.86	18.74	20
		1	99	19.11	19.18	19.51	20
		50	0	18.94	18.96	19.14	20
		50	25	18.82	18.94	19.07	20
		50	50	18.93	18.98	19.06	20
		100	0	18.92	18.98	19.2	20

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	64QAM	1	0	19.2	19.36	19.36	20
		1	50	18.6	18.65	18.84	20
		1	99	19.18	19.16	19.45	20
		50	0	18.87	18.82	19	20
		50	25	18.77	18.75	18.99	20
		50	50	18.75	18.8	19.03	20
		100	0	18.85	18.79	19.01	20

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LTE Band 41 Receiver off + hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40165	40690	41215	
5MHz	QPSK	1	0	15.91	15.92	16.06	17
		1	13	15.79	15.97	15.95	17
		1	24	15.85	15.97	15.95	17
		12	0	15.97	15.99	16.12	17
		12	6	16	15.89	16.08	17
		12	13	16	15.94	16.14	17
		25	0	15.95	16.07	16.05	17
	16QAM	1	0	15.8	16.01	15.98	17
		1	13	15.69	15.92	16	17
		1	24	16.09	16.02	15.99	17
		12	0	15.8	15.9	16.03	17
		12	6	15.92	15.89	16.09	17
		12	13	15.89	15.95	15.95	17
		25	0	15.89	15.98	15.95	17
	64QAM	1	0	16.04	16.08	15.96	17
		1	13	15.47	15.51	15.76	17
		1	24	15.96	16.06	16.28	17
		12	0	15.73	15.69	15.86	17
		12	6	15.63	15.65	15.89	17
		12	13	15.64	15.71	15.81	17
		25	0	15.76	15.67	15.96	17
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40190	40690	41190	
10MHz	QPSK	1	0	15.88	15.94	16.05	17
		1	25	16.13	16.04	15.95	17
		1	49	15.89	15.99	16.11	17
		25	0	15.92	15.98	16.07	17
		25	13	15.88	15.94	16.22	17
		25	25	15.91	16	16.15	17
		50	0	15.98	16.03	16.05	17
	16QAM	1	0	16.05	16.21	16.07	17
		1	25	15.42	15.75	15.41	17
		1	49	15.87	15.78	15.92	17
		25	0	15.76	15.9	15.96	17
		25	13	15.82	16.03	16.21	17
		25	25	15.97	15.86	16.06	17
		50	0	15.88	15.94	16.15	17
	64QAM	1	0	16.04	16.03	15.93	17
		1	25	15.51	15.52	15.73	17
		1	49	16.01	16	16.25	17
		25	0	15.69	15.68	15.86	17

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		25	13	15.67	15.62	15.86	17
		25	25	15.63	15.73	15.8	17
		50	0	15.67	15.66	15.97	17
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40215	40690	41165	
15MHz	QPSK	1	0	16.02	15.98	16.24	17
		1	38	15.98	15.98	16.09	17
		1	74	15.96	16.04	16.11	17
		36	0	16.09	16	16.16	17
		36	18	15.93	16.02	16.11	17
		36	39	15.96	16.06	16.14	17
		75	0	15.93	16.1	16.14	17
	16QAM	1	0	16	16.1	15.9	17
		1	38	16.13	15.99	16.2	17
		1	74	15.88	15.87	15.88	17
		36	0	16.02	16.02	16.03	17
		36	18	15.87	15.96	15.99	17
		36	39	15.83	15.94	16.01	17
		75	0	15.83	15.89	16.09	17
	64QAM	1	0	15.98	16.12	15.95	17
		1	38	15.47	15.51	15.75	17
		1	74	16.02	16.03	16.34	17
		36	0	15.66	15.74	15.77	17
		36	18	15.69	15.6	15.81	17
		36	39	15.65	15.67	15.86	17
		75	0	15.76	15.72	15.9	17
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40240	40690	41140	
20MHz	QPSK	1	0	16.18	16.28	16.4	17
		1	50	16.05	15.76	15.88	17
		1	99	16.19	16.29	16.29	17
		50	0	15.98	16.02	16.2	17
		50	25	15.91	16.08	16.09	17
		50	50	16.01	16.06	16.12	17
		100	0	16	15.97	16.07	17
	16QAM	1	0	16.06	16.11	16.27	17
		1	50	15.71	16.14	15.86	17
		1	99	16.03	16.18	16.14	17
		50	0	15.96	16.06	16.11	17
		50	25	15.79	15.98	16.07	17
		50	50	15.96	16.05	16.18	17
		100	0	15.89	15.99	15.95	17

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	64QAM	1	0	16.03	16.06	16.02	17
		1	50	15.45	15.48	15.74	17
		1	99	15.99	16.06	16.28	17
		50	0	15.67	15.74	15.81	17
		50	25	15.71	15.58	15.89	17
		50	50	15.63	15.66	15.83	17
		100	0	15.68	15.67	15.99	17

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LTE Band 41 Receiver off + hotspot 5G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40165	40690	41215	
5MHz	QPSK	1	0	13.82	13.85	13.93	14.7
		1	13	13.86	13.96	14.04	14.7
		1	24	13.85	14.04	14.13	14.7
		12	0	14.01	13.95	14.15	14.7
		12	6	13.89	13.98	14.11	14.7
		12	13	13.94	14.07	14.08	14.7
		25	0	13.89	14.05	13.97	14.7
	16QAM	1	0	13.75	14.05	14	14.7
		1	13	13.93	14.01	14.26	14.7
		1	24	13.96	13.92	14.26	14.7
		12	0	13.8	13.92	14.12	14.7
		12	6	13.7	14.15	14.04	14.7
		12	13	13.98	14.03	13.98	14.7
		25	0	13.89	13.94	14.05	14.7
	64QAM	1	0	14.03	13.96	13.93	14.7
		1	13	13.45	13.39	13.69	14.7
		1	24	13.96	14.02	14.26	14.7
		12	0	13.62	13.64	13.8	14.7
		12	6	13.63	13.56	13.86	14.7
		12	13	13.57	13.57	13.81	14.7
		25	0	13.61	13.66	13.98	14.7
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40190	40690	41190	
10MHz	QPSK	1	0	13.83	13.92	14.09	14.7
		1	25	13.5	13.44	13.85	14.7
		1	49	13.72	14.01	13.98	14.7
		25	0	13.87	13.97	14.08	14.7
		25	13	14.05	13.91	14.05	14.7
		25	25	13.96	14.08	14.08	14.7
		50	0	13.91	14	14.07	14.7
	16QAM	1	0	14.13	13.78	14.14	14.7
		1	25	13.77	14.17	13.12	14.7
		1	49	14	13.85	14.33	14.7
		25	0	13.8	13.88	14.05	14.7
		25	13	13.9	13.99	14.07	14.7
		25	25	13.89	14.01	14.02	14.7
		50	0	13.88	13.95	13.92	14.7
	64QAM	1	0	13.96	13.99	13.93	14.7
		1	25	13.42	13.4	13.74	14.7
		1	49	13.91	14.03	14.27	14.7
		25	0	13.6	13.65	13.8	14.7

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		25	13	13.7	13.49	13.79	14.7
		25	25	13.57	13.6	13.81	14.7
		50	0	13.64	13.58	13.98	14.7
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40215	40690	41165	
15MHz	QPSK	1	0	14.01	13.94	14.23	14.7
		1	38	13.86	13.95	14.08	14.7
		1	74	13.89	14.07	14.19	14.7
		36	0	13.99	13.99	14.09	14.7
		36	18	13.99	13.99	14.12	14.7
		36	39	13.92	14.13	14.11	14.7
		75	0	14.02	14.11	14.17	14.7
	16QAM	1	0	13.8	13.74	14.15	14.7
		1	38	13.94	14.02	14.03	14.7
		1	74	13.9	13.94	14.08	14.7
		36	0	13.96	14.1	14.06	14.7
		36	18	13.95	13.95	14.07	14.7
		36	39	13.9	14.12	14.12	14.7
		75	0	13.94	13.92	14.07	14.7
	64QAM	1	0	14.02	14.05	13.96	14.7
		1	38	13.39	13.48	13.65	14.7
		1	74	13.91	14.02	14.26	14.7
		36	0	13.59	13.72	13.81	14.7
		36	18	13.66	13.5	13.84	14.7
		36	39	13.61	13.58	13.74	14.7
		75	0	13.66	13.59	13.93	14.7
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40240	40690	41140	
20MHz	QPSK	1	0	14.05	14.2	14.42	14.7
		1	50	13.78	13.48	14.37	14.7
		1	99	14.3	14.29	14.34	14.7
		50	0	14.03	13.99	14.16	14.7
		50	25	13.91	14.01	14.15	14.7
		50	50	13.94	14.08	14.13	14.7
		100	0	14.03	14.03	14.12	14.7
	16QAM	1	0	14.11	14.08	14.3	14.7
		1	50	13.73	13.92	13.78	14.7
		1	99	14.38	14.28	14.05	14.7
		50	0	14	13.95	14.13	14.7
		50	25	13.77	13.94	14.05	14.7
		50	50	13.89	14.02	14.1	14.7
		100	0	13.89	13.94	14.06	14.7

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	64QAM	1	0	14	13.96	13.99	14.7
		1	50	13.41	13.44	13.71	14.7
		1	99	13.95	14.01	14.21	14.7
		50	0	13.67	13.71	13.76	14.7
		50	25	13.63	13.54	13.84	14.7
		50	50	13.58	13.58	13.79	14.7
		100	0	13.6	13.63	13.94	14.7

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LTE Band 41 Receiver on(Left head) + hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40165	40690	41215	
5MHz	QPSK	1	0	13.02	13.07	13.37	14.5
		1	13	13.01	13.1	13.38	14.5
		1	24	13.09	13.09	13.4	14.5
		12	0	13.03	13.13	13.38	14.5
		12	6	13.07	13.09	13.26	14.5
		12	13	13.02	13.08	13.31	14.5
		25	0	13.01	13.08	13.46	14.5
	16QAM	1	0	13.6	13.62	13.96	14.5
		1	13	13.63	13.64	13.98	14.5
		1	24	13.6	13.64	13.99	14.5
		12	0	13.01	13.1	13.26	14.5
		12	6	13.06	13.1	13.24	14.5
		12	13	12.95	13.05	13.33	14.5
		25	0	12.92	12.94	13.21	14.5
	64QAM	1	0	13.22	13.18	13.15	14.5
		1	13	12.65	12.74	12.93	14.5
		1	24	13.25	13.23	13.43	14.5
		12	0	12.85	12.92	12.97	14.5
		12	6	12.93	12.7	13.11	14.5
		12	13	12.78	12.76	12.94	14.5
		25	0	12.8	12.8	13.13	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40190	40690	41190	
10MHz	QPSK	1	0	12.98	13.03	13.37	14.5
		1	25	12.57	12.56	13.03	14.5
		1	49	13.12	13.08	13.43	14.5
		25	0	13.06	13.09	13.27	14.5
		25	13	13.04	13.07	13.32	14.5
		25	25	13.08	13.12	13.37	14.5
		50	0	13.02	13.03	13.29	14.5
	16QAM	1	0	13.58	13.61	13.96	14.5
		1	25	13.15	13.02	13.37	14.5
		1	49	13.57	13.63	13.9	14.5
		25	0	12.93	13.1	13.31	14.5
		25	13	13.04	13.04	13.31	14.5
		25	25	12.97	13.11	13.26	14.5
		50	0	12.88	12.94	13.1	14.5
	64QAM	1	0	13.25	13.18	13.22	14.5
		1	25	12.58	12.67	12.96	14.5
		1	49	13.13	13.26	13.51	14.5
		25	0	12.92	12.98	13.03	14.5

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		25	13	12.87	12.7	13.06	14.5
		25	25	12.74	12.77	12.97	14.5
		50	0	12.84	12.86	13.14	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40215	40690	41165	
15MHz	QPSK	1	0	13.04	13.09	13.44	14.5
		1	38	13.1	13.03	13.4	14.5
		1	74	13.11	13.11	13.45	14.5
		36	0	13.16	13.15	13.39	14.5
		36	18	13.02	13.02	13.2	14.5
		36	39	13.06	13.21	13.38	14.5
		75	0	13.12	13.16	13.29	14.5
	16QAM	1	0	13.63	13.62	13.95	14.5
		1	38	13.63	13.6	13.87	14.5
		1	74	13.64	13.67	13.93	14.5
		36	0	13.01	13.09	13.23	14.5
		36	18	12.9	12.98	13.07	14.5
		36	39	13.04	13.16	13.24	14.5
		75	0	12.87	13.07	13.24	14.5
	64QAM	1	0	13.17	13.11	13.21	14.5
		1	38	12.57	12.7	12.87	14.5
		1	74	13.15	13.2	13.42	14.5
		36	0	12.97	12.92	12.96	14.5
		36	18	12.8	12.78	13.07	14.5
		36	39	12.76	12.76	13.06	14.5
		75	0	12.81	12.88	13.11	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40240	40690	41140	
20MHz	QPSK	1	0	13.21	13.26	13.59	14.5
		1	50	12.95	12.97	13.31	14.5
		1	99	13.3	13.34	13.63	14.5
		50	0	13.1	13.14	13.31	14.5
		50	25	12.94	13.06	13.24	14.5
		50	50	13.09	13.18	13.29	14.5
		100	0	13.06	13.09	13.31	14.5
	16QAM	1	0	13.79	13.84	14.27	14.5
		1	50	13.42	13.37	13.86	14.5
		1	99	13.9	13.87	14.26	14.5
		50	0	13.05	13.06	13.26	14.5
		50	25	12.88	12.98	13.2	14.5
		50	50	13.04	13.09	13.25	14.5
		100	0	13.04	13.05	13.29	14.5

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	64QAM	1	0	13.23	13.19	13.17	14.5
		1	50	12.65	12.73	12.99	14.5
		1	99	13.16	13.21	13.38	14.5
		50	0	12.97	13	13.01	14.5
		50	25	12.83	12.77	13.05	14.5
		50	50	12.78	12.84	13.02	14.5
		100	0	12.86	12.79	13.13	14.5

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LTE Band 41 Receiver on(Right head) + hotspot 2.4G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40165	40690	41215	
5MHz	QPSK	1	0	12.47	12.54	12.9	14
		1	13	12.63	12.56	12.93	14
		1	24	12.58	12.56	12.93	14
		12	0	12.58	12.57	12.79	14
		12	6	12.5	12.56	12.83	14
		12	13	12.53	12.65	12.86	14
		25	0	12.6	12.65	12.73	14
	16QAM	1	0	13.02	12.92	13.4	14
		1	13	12.98	12.94	13.38	14
		1	24	13.1	12.97	13.32	14
		12	0	12.6	12.56	12.97	14
		12	6	12.66	12.55	12.95	14
		12	13	12.55	12.64	12.9	14
		25	0	12.41	12.45	12.7	14
	64QAM	1	0	12.74	12.71	12.67	14
		1	13	12.17	12.24	12.49	14
		1	24	12.7	12.69	12.84	14
		12	0	12.45	12.54	12.51	14
		12	6	12.32	12.25	12.52	14
		12	13	12.28	12.35	12.49	14
		25	0	12.37	12.27	12.6	14
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40190	40690	41190	
10MHz	QPSK	1	0	12.58	12.51	12.91	14
		1	25	12.37	12.37	12.7	14
		1	49	12.62	12.59	12.95	14
		25	0	12.5	12.55	12.7	14
		25	13	12.55	12.55	12.85	14
		25	25	12.62	12.7	12.89	14
		50	0	12.55	12.6	12.75	14
	16QAM	1	0	13.02	13.03	13.4	14
		1	25	12.92	12.92	13.24	14
		1	49	13.06	13.1	13.44	14
		25	0	12.44	12.48	12.67	14
		25	13	12.5	12.48	12.79	14
		25	25	12.43	12.5	12.73	14
		50	0	12.53	12.59	12.76	14
	64QAM	1	0	12.75	12.72	12.7	14
		1	25	12.13	12.19	12.53	14
		1	49	12.64	12.68	12.88	14
		25	0	12.47	12.52	12.52	14

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		25	13	12.29	12.22	12.54	14
		25	25	12.25	12.33	12.55	14
		50	0	12.36	12.25	12.61	14
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40215	40690	41165	
15MHz	QPSK	1	0	12.61	12.59	12.94	14
		1	38	12.62	12.48	12.88	14
		1	74	12.52	12.59	12.96	14
		36	0	12.63	12.58	12.83	14
		36	18	12.52	12.6	12.87	14
		36	39	12.58	12.67	12.9	14
		75	0	12.52	12.6	12.82	14
	16QAM	1	0	13.07	13.04	13.39	14
		1	38	12.95	13.05	13.39	14
		1	74	12.98	13.01	13.45	14
		36	0	12.52	12.45	12.74	14
		36	18	12.4	12.47	12.79	14
		36	39	12.47	12.55	12.81	14
		75	0	12.45	12.51	12.68	14
	64QAM	1	0	12.68	12.65	12.65	14
		1	38	12.14	12.26	12.49	14
		1	74	12.67	12.68	12.86	14
		36	0	12.48	12.54	12.5	14
		36	18	12.33	12.32	12.54	14
		36	39	12.24	12.32	12.49	14
		75	0	12.33	12.31	12.61	14
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40240	40690	41140	
20MHz	QPSK	1	0	12.84	12.77	13.12	14
		1	50	13.05	12.97	13.24	14
		1	99	12.83	12.87	13.17	14
		50	0	12.58	12.61	12.81	14
		50	25	12.5	12.54	12.79	14
		50	50	12.63	12.66	12.85	14
		100	0	12.61	12.7	12.85	14
	16QAM	1	0	13.23	13.23	13.53	14
		1	50	12.97	13.12	13.42	14
		1	99	13.19	13.25	13.55	14
		50	0	12.56	12.59	12.78	14
		50	25	12.49	12.5	12.69	14
		50	50	12.49	12.63	12.86	14
		100	0	12.55	12.63	12.81	14

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	64QAM	1	0	12.72	12.73	12.71	14
		1	50	12.11	12.23	12.54	14
		1	99	12.69	12.71	12.86	14
		50	0	12.48	12.48	12.55	14
		50	25	12.34	12.28	12.54	14
		50	50	12.32	12.37	12.53	14
		100	0	12.41	12.32	12.59	14

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40165	40690	41215	
5MHz	QPSK	1	0	11.02	11.03	11.3	12.2
		1	13	11.05	11.05	11.28	12.2
		1	24	10.94	11.06	11.26	12.2
		12	0	11.13	11.06	11.36	12.2
		12	6	11.11	11.13	11.4	12.2
		12	13	11.07	11.13	11.31	12.2
		25	0	11.01	11	11.24	12.2
	16QAM	1	0	11.49	11.59	11.87	12.2
		1	13	11.51	11.6	11.86	12.2
		1	24	11.54	11.59	11.96	12.2
		12	0	11.23	11.28	11.41	12.2
		12	6	11.04	11.15	11.41	12.2
		12	13	11.18	11.21	11.44	12.2
		25	0	10.99	11.09	11.3	12.2
	64QAM	1	0	11.18	11.18	11.11	12.2
		1	13	10.56	10.62	11.01	12.2
		1	24	11.14	11.19	11.32	12.2
		12	0	10.9	10.86	11.03	12.2
		12	6	10.72	10.7	11.02	12.2
		12	13	10.73	10.76	10.92	12.2
		25	0	10.84	10.76	10.98	12.2
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40190	40690	41190	
10MHz	QPSK	1	0	11.07	11.05	11.31	12.2
		1	25	10.99	10.96	11.14	12.2
		1	49	11.06	11.08	11.29	12.2
		25	0	11.07	11.06	11.29	12.2
		25	13	11	11.03	11.3	12.2
		25	25	11.04	11.09	11.31	12.2
		50	0	10.99	11	11.19	12.2
	16QAM	1	0	11.66	11.6	11.89	12.2
		1	25	11.61	11.63	11.88	12.2
		1	49	11.54	11.64	11.93	12.2
		25	0	11.06	11.04	11.29	12.2
		25	13	11.03	11.02	11.29	12.2
		25	25	11.03	11.05	11.33	12.2
		50	0	10.95	11.08	11.18	12.2
	64QAM	1	0	11.16	11.18	11.12	12.2
		1	25	10.55	10.68	10.98	12.2
		1	49	11.13	11.2	11.27	12.2
		25	0	10.86	10.86	10.97	12.2

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		25	13	10.84	10.75	10.92	12.2
		25	25	10.8	10.8	10.92	12.2
		50	0	10.88	10.77	11.03	12.2
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40215	40690	41165	
15MHz	QPSK	1	0	11.08	11.12	11.34	12.2
		1	38	11.06	11.13	11.34	12.2
		1	74	11.07	11.19	11.34	12.2
		36	0	11.15	11.17	11.32	12.2
		36	18	11.03	11.06	11.15	12.2
		36	39	11.09	11.12	11.32	12.2
		75	0	11.03	11.19	11.31	12.2
	16QAM	1	0	11.65	11.55	11.94	12.2
		1	38	11.62	11.54	11.91	12.2
		1	74	11.52	11.61	12.01	12.2
		36	0	11.06	10.96	11.28	12.2
		36	18	10.94	10.96	11.21	12.2
		36	39	11.01	11.15	11.27	12.2
		75	0	10.98	11	11.21	12.2
	64QAM	1	0	11.11	11.2	11.17	12.2
		1	38	10.5	10.69	10.96	12.2
		1	74	11.09	11.14	11.24	12.2
		36	0	10.93	10.87	11.05	12.2
		36	18	10.73	10.67	11.03	12.2
		36	39	10.77	10.81	10.94	12.2
		75	0	10.86	10.72	11.03	12.2
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40240	40690	41140	
20MHz	QPSK	1	0	11.38	11.34	11.52	12.2
		1	50	11.71	11.31	10.77	12.2
		1	99	11.24	11.52	11.58	12.2
		50	0	11.23	11.21	11.46	12.2
		50	25	11.01	11.14	11.39	12.2
		50	50	11.14	11.26	11.47	12.2
		100	0	11.12	11.17	11.39	12.2
	16QAM	1	0	11.46	11.22	11.39	12.2
		1	50	11.62	10.97	11.48	12.2
		1	99	11.21	11.57	11.73	12.2
		50	0	11.1	11.16	11.25	12.2
		50	25	10.94	11.02	11.36	12.2
		50	50	11.01	11.14	11.22	12.2
		100	0	11.06	11.08	11.35	12.2

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	64QAM	1	0	11.19	11.18	11.21	12.2
		1	50	10.5	10.68	10.93	12.2
		1	99	11.07	11.1	11.35	12.2
		50	0	10.96	10.87	10.97	12.2
		50	25	10.75	10.7	11.03	12.2
		50	50	10.72	10.81	10.99	12.2
		100	0	10.86	10.79	11.01	12.2

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LTE Band 41 Receiver on(Right head) + hotspot 5G				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40165	40690	41215	
5MHz	QPSK	1	0	10.5	10.51	10.76	11.7
		1	13	10.39	10.51	10.76	11.7
		1	24	10.41	10.53	10.8	11.7
		12	0	10.47	10.54	10.77	11.7
		12	6	10.58	10.64	10.85	11.7
		12	13	10.55	10.49	10.84	11.7
		25	0	10.49	10.48	10.71	11.7
	16QAM	1	0	10.96	11.07	11.37	11.7
		1	13	10.98	10.97	11.37	11.7
		1	24	11.02	11.08	11.28	11.7
		12	0	10.57	10.75	11.01	11.7
		12	6	10.62	10.66	10.87	11.7
		12	13	10.65	10.69	10.95	11.7
		25	0	10.46	10.58	10.82	11.7
	64QAM	1	0	10.63	10.57	10.43	11.7
		1	13	9.62	9.71	9.98	11.7
		1	24	10.34	10.58	10.75	11.7
		12	0	10.34	10.14	10.43	11.7
		12	6	9.85	10.08	10.14	11.7
		12	13	9.74	10.02	10.2	11.7
		25	0	10.21	10.06	10.36	11.7
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40190	40690	41190	
10MHz	QPSK	1	0	10.46	10.44	10.8	11.7
		1	25	10.28	10.48	10.64	11.7
		1	49	10.47	10.63	10.8	11.7
		25	0	10.45	10.46	10.74	11.7
		25	13	10.56	10.54	10.77	11.7
		25	25	10.56	10.59	10.71	11.7
		50	0	10.55	10.52	10.77	11.7
	16QAM	1	0	11.03	10.99	11.28	11.7
		1	25	11.16	11.03	11.38	11.7
		1	49	11.06	11.05	11.4	11.7
		25	0	10.44	10.55	10.71	11.7
		25	13	10.47	10.48	10.72	11.7
		25	25	10.53	10.57	10.69	11.7
		50	0	10.46	10.48	10.74	11.7
	64QAM	1	0	10.32	10.22	10.7	11.7
		1	25	9.53	9.99	10.05	11.7
		1	49	10.08	10.27	10.49	11.7
		25	0	10.37	10.33	10.03	11.7

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		25	13	10.13	9.89	10.28	11.7
		25	25	10.08	10.28	10.27	11.7
		50	0	9.89	10.26	10.26	11.7
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40215	40690	41165	
15MHz	QPSK	1	0	10.53	10.59	10.81	11.7
		1	38	10.49	10.59	10.73	11.7
		1	74	10.52	10.67	10.81	11.7
		36	0	10.59	10.51	10.84	11.7
		36	18	10.47	10.51	10.67	11.7
		36	39	10.55	10.58	10.83	11.7
		75	0	10.48	10.53	10.75	11.7
	16QAM	1	0	11.09	11	11.38	11.7
		1	38	11.09	11	11.19	11.7
		1	74	10.99	11.09	11.4	11.7
		36	0	10.51	10.54	10.63	11.7
		36	18	10.38	10.3	10.59	11.7
		36	39	10.46	10.49	10.76	11.7
		75	0	10.43	10.47	10.69	11.7
	64QAM	1	0	10.49	10.28	10.43	11.7
		1	38	9.76	9.76	9.97	11.7
		1	74	10.49	10.38	10.39	11.7
		36	0	10.19	10.24	10.12	11.7
		36	18	10.22	10.17	10.26	11.7
		36	39	10.15	9.98	10.03	11.7
		75	0	10.23	10.17	10.18	11.7
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40240	40690	41140	
20MHz	QPSK	1	0	10.73	10.72	10.96	11.7
		1	50	11.01	10.91	11.13	11.7
		1	99	10.79	10.81	10.98	11.7
		50	0	10.57	10.56	10.78	11.7
		50	25	10.45	10.47	10.73	11.7
		50	50	10.48	10.6	10.79	11.7
		100	0	10.57	10.63	10.78	11.7
	16QAM	1	0	11.31	11.29	11.57	11.7
		1	50	11.57	11.64	11.82	11.7
		1	99	11.25	11.35	11.59	11.7
		50	0	10.65	10.51	10.75	11.7
		50	25	10.44	10.42	10.69	11.7
		50	50	10.57	10.66	10.76	11.7
		100	0	10.52	10.55	10.73	11.7

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	64QAM	1	0	10.38	10.49	10.69	11.7
		1	50	9.61	10.04	10.23	11.7
		1	99	10.41	10.23	10.53	11.7
		50	0	10.25	9.97	10.25	11.7
		50	25	10.01	9.74	10.34	11.7
		50	50	10	10.07	10.12	11.7
		100	0	10.33	9.87	10.3	11.7

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LTE Band 41 Receiver on(Left head) + BT				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40165	40690	41215	
5MHz	QPSK	1	0	14.02	14.16	14.33	15
		1	13	14.03	14.18	14.47	15
		1	24	13.85	14.21	14.51	15
		12	0	14.11	14.15	14.4	15
		12	6	14.01	14	14.29	15
		12	13	14.01	14.12	14.36	15
		25	0	13.99	14.12	14.35	15
	16QAM	1	0	14.11	14.17	14.52	15
		1	13	14.09	14.29	14.36	15
		1	24	14.03	14.4	14.41	15
		12	0	13.98	13.99	14.37	15
		12	6	14.03	14.08	14.22	15
		12	13	14.01	14.04	14.29	15
		25	0	13.96	14.01	14.24	15
	64QAM	1	0	13.84	13.88	14.12	15
		1	13	13.08	13.44	13.72	15
		1	24	13.83	13.65	13.94	15
		12	0	13.73	13.4	13.7	15
		12	6	13.47	13.18	13.84	15
		12	13	13.45	13.47	13.6	15
		25	0	13.72	13.27	13.71	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40190	40690	41190	
10MHz	QPSK	1	0	14	14.09	14.38	15
		1	25	14.18	13.89	13.77	15
		1	49	14.05	14.2	14.46	15
		25	0	14.03	14.14	14.32	15
		25	13	13.91	14.12	14.32	15
		25	25	14.03	14.07	14.3	15
		50	0	14.01	14.08	14.32	15
	16QAM	1	0	14.12	14.14	14.51	15
		1	25	13.76	13.67	14.49	15
		1	49	14.14	14.26	14.59	15
		25	0	13.99	14.01	14.22	15
		25	13	13.8	13.86	14.19	15
		25	25	14.03	14.09	14.25	15
		50	0	13.99	13.98	14.29	15
	64QAM	1	0	13.87	13.91	14.08	15
		1	25	13.1	13.53	13.7	15
		1	49	13.86	13.63	13.94	15
		25	0	13.68	13.39	13.74	15

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		25	13	13.43	13.16	13.78	15
		25	25	13.39	13.51	13.52	15
		50	0	13.79	13.3	13.7	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40215	40690	41165	
15MHz	QPSK	1	0	14.12	14.12	14.33	15
		1	38	13.98	14.18	14.36	15
		1	74	13.99	14.23	14.45	15
		36	0	14.08	14.07	14.32	15
		36	18	14.05	14.11	14.27	15
		36	39	14.02	14.12	14.44	15
		75	0	14.04	14.11	14.35	15
	16QAM	1	0	14.17	14.21	14.28	15
		1	38	13.99	14.18	14.29	15
		1	74	14	14.36	14.39	15
		36	0	14.05	14.08	14.27	15
		36	18	13.95	14.03	14.31	15
		36	39	13.96	14	14.22	15
		75	0	14.01	13.97	14.23	15
	64QAM	1	0	13.82	13.89	14.18	15
		1	38	13.06	13.49	13.65	15
		1	74	13.84	13.69	13.94	15
		36	0	13.72	13.36	13.75	15
		36	18	13.45	13.19	13.83	15
		36	39	13.49	13.52	13.6	15
		75	0	13.82	13.34	13.72	15
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40240	40690	41140	
20MHz	QPSK	1	0	14.32	14.33	14.62	15
		1	50	13.95	14.37	14.63	15
		1	99	14.31	14.37	14.63	15
		50	0	14.03	14.24	14.42	15
		50	25	14.08	14.07	14.35	15
		50	50	14.1	14.14	14.41	15
		100	0	14.2	14.1	14.41	15
	16QAM	1	0	14.49	14.39	14.6	15
		1	50	14.6	14.93	14.92	15
		1	99	14.41	14.32	14.53	15
		50	0	14.12	14.03	14.33	15
		50	25	13.84	13.98	14.26	15
		50	50	13.94	14.07	14.32	15
		100	0	14.06	14.12	14.34	15

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	64QAM	1	0	13.87	13.96	14.13	15
		1	50	13.08	13.47	13.72	15
		1	99	13.89	13.62	14.02	15
		50	0	13.68	13.44	13.65	15
		50	25	13.47	13.23	13.78	15
		50	50	13.42	13.55	13.55	15
		100	0	13.79	13.28	13.8	15

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LTE Band 41 Receiver on(Right head) + BT				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40165	40690	41215	
5MHz	QPSK	1	0	13.57	13.63	13.74	14.5
		1	13	13.54	13.52	13.78	14.5
		1	24	13.44	13.52	13.69	14.5
		12	0	13.6	13.55	13.8	14.5
		12	6	13.41	13.64	13.7	14.5
		12	13	13.55	13.62	13.76	14.5
		25	0	13.5	13.63	13.75	14.5
	16QAM	1	0	13.53	14.12	13.89	14.5
		1	13	13.62	14.15	14.17	14.5
		1	24	14.27	14.14	14.27	14.5
		12	0	13.5	13.49	13.72	14.5
		12	6	13.2	13.41	13.65	14.5
		12	13	13.52	13.52	13.8	14.5
		25	0	13.3	13.43	13.78	14.5
	64QAM	1	0	13.44	13.46	13.63	14.5
		1	13	12.63	13.06	13.23	14.5
		1	24	13.42	13.22	13.52	14.5
		12	0	13.28	12.94	13.22	14.5
		12	6	12.97	12.75	13.3	14.5
		12	13	12.94	13.1	13.13	14.5
		25	0	13.38	12.84	13.37	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40190	40690	41190	
10MHz	QPSK	1	0	13.44	13.56	13.7	14.5
		1	25	13.58	13.52	13.84	14.5
		1	49	13.49	13.67	13.71	14.5
		25	0	13.51	13.65	13.75	14.5
		25	13	13.59	13.6	13.86	14.5
		25	25	13.53	13.67	13.95	14.5
		50	0	13.57	13.56	13.8	14.5
	16QAM	1	0	13.65	13.72	14.06	14.5
		1	25	13.01	13.17	13.82	14.5
		1	49	13.77	13.77	14.09	14.5
		25	0	13.5	13.42	13.72	14.5
		25	13	13.41	13.44	13.65	14.5
		25	25	13.48	13.61	13.69	14.5
		50	0	13.54	13.55	13.73	14.5
	64QAM	1	0	13.39	13.49	13.7	14.5
		1	25	12.63	13.01	13.24	14.5
		1	49	13.46	13.22	13.6	14.5
		25	0	13.24	12.98	13.23	14.5

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		25	13	13.05	12.75	13.37	14.5
		25	25	12.97	13.1	13.13	14.5
		50	0	13.32	12.86	13.37	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40215	40690	41165	
15MHz	QPSK	1	0	13.65	13.54	13.81	14.5
		1	38	13.62	13.57	13.9	14.5
		1	74	13.67	13.8	13.94	14.5
		36	0	13.56	13.6	13.77	14.5
		36	18	13.59	13.61	13.83	14.5
		36	39	13.55	13.67	13.81	14.5
		75	0	13.62	13.62	13.86	14.5
	16QAM	1	0	13.74	13.57	14.12	14.5
		1	38	13.63	13.58	14.18	14.5
		1	74	13.56	13.76	14.25	14.5
		36	0	13.57	13.5	13.81	14.5
		36	18	13.38	13.67	13.72	14.5
		36	39	13.57	13.56	13.74	14.5
		75	0	13.45	13.58	13.77	14.5
	64QAM	1	0	13.46	13.54	13.72	14.5
		1	38	12.6	12.99	13.25	14.5
		1	74	13.42	13.15	13.54	14.5
		36	0	13.28	12.98	13.25	14.5
		36	18	13.07	12.77	13.28	14.5
		36	39	12.97	13.14	13.12	14.5
		75	0	13.33	12.88	13.38	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40240	40690	41140	
20MHz	QPSK	1	0	13.93	13.74	13.88	14.5
		1	50	13.53	14.35	14.42	14.5
		1	99	13.79	13.86	14.2	14.5
		50	0	13.61	13.58	13.86	14.5
		50	25	13.54	13.63	13.75	14.5
		50	50	13.55	13.75	13.8	14.5
		100	0	13.52	13.67	13.88	14.5
	16QAM	1	0	13.97	13.94	14.39	14.5
		1	50	13.68	14.51	14.65	14.5
		1	99	14.17	14.05	14.24	14.5
		50	0	13.53	13.51	13.81	14.5
		50	25	13.46	13.45	13.72	14.5
		50	50	13.57	13.7	13.82	14.5
		100	0	13.46	13.59	13.82	14.5

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	64QAM	1	0	13.45	13.53	13.71	14.5
		1	50	12.61	12.99	13.25	14.5
		1	99	13.4	13.12	13.61	14.5
		50	0	13.24	13	13.15	14.5
		50	25	13.04	12.77	13.31	14.5
		50	50	12.92	13.12	13.07	14.5
		100	0	13.31	12.81	13.4	14.5

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LTE Band 41 Receiver off + BT				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40165	40690	41215	
5MHz	QPSK	1	0	16.59	16.61	16.81	17.5
		1	13	16.62	16.47	16.96	17.5
		1	24	16.59	16.66	16.86	17.5
		12	0	16.66	16.63	16.9	17.5
		12	6	16.47	16.72	16.9	17.5
		12	13	16.61	16.6	16.86	17.5
		25	0	16.55	16.59	16.85	17.5
	16QAM	1	0	16.79	16.74	17.25	17.5
		1	13	16.6	16.99	17.26	17.5
		1	24	16.6	17.07	16.91	17.5
		12	0	16.49	16.54	16.84	17.5
		12	6	16.56	16.55	16.87	17.5
		12	13	16.58	16.55	16.77	17.5
		25	0	16.52	16.5	16.76	17.5
	64QAM	1	0	16.36	16.45	16.67	17.5
		1	13	15.56	15.95	16.24	17.5
		1	24	16.32	16.02	16.59	17.5
		12	0	16.18	15.98	16.12	17.5
		12	6	15.98	15.74	16.22	17.5
		12	13	15.83	16.08	16.06	17.5
		25	0	16.29	15.77	16.36	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40190	40690	41190	
10MHz	QPSK	1	0	16.52	16.65	16.94	17.5
		1	25	16.35	16.24	16.62	17.5
		1	49	16.44	16.71	16.86	17.5
		25	0	16.63	16.64	16.82	17.5
		25	13	16.56	16.63	16.86	17.5
		25	25	16.54	16.76	16.81	17.5
		50	0	16.65	16.6	16.85	17.5
	16QAM	1	0	17.06	16.9	17.16	17.5
		1	25	15.97	16.69	16.8	17.5
		1	49	16.8	16.95	17.17	17.5
		25	0	16.41	16.53	16.71	17.5
		25	13	16.48	16.4	16.73	17.5
		25	25	16.49	16.6	16.89	17.5
		50	0	16.58	16.51	16.74	17.5
	64QAM	1	0	16.4	16.44	16.67	17.5
		1	25	15.55	15.9	16.18	17.5
		1	49	16.38	16.03	16.53	17.5
		25	0	16.21	15.97	16.07	17.5

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		25	13	15.99	15.76	16.22	17.5
		25	25	15.87	16.05	15.98	17.5
		50	0	16.21	15.8	16.38	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40215	40690	41165	
15MHz	QPSK	1	0	16.7	16.72	16.86	17.5
		1	38	16.6	16.75	16.9	17.5
		1	74	16.55	16.73	16.86	17.5
		36	0	16.68	16.71	16.99	17.5
		36	18	16.57	16.47	16.83	17.5
		36	39	16.56	16.75	16.88	17.5
		75	0	16.56	16.68	16.9	17.5
	16QAM	1	0	16.37	16.76	16.68	17.5
		1	38	16.67	16.6	16.63	17.5
		1	74	16.69	16.72	16.87	17.5
		36	0	16.59	16.63	16.91	17.5
		36	18	16.51	16.41	16.8	17.5
		36	39	16.61	16.61	16.78	17.5
		75	0	16.5	16.64	16.82	17.5
	64QAM	1	0	16.4	16.45	16.62	17.5
		1	38	15.56	15.95	16.22	17.5
		1	74	16.34	16.02	16.6	17.5
		36	0	16.14	15.97	16.09	17.5
		36	18	15.99	15.74	16.31	17.5
		36	39	15.89	16.05	16.02	17.5
		75	0	16.23	15.73	16.32	17.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40240	40690	41140	
20MHz	QPSK	1	0	16.94	16.94	17.15	17.5
		1	50	16.25	16.9	16.75	17.5
		1	99	16.75	16.92	17.18	17.5
		50	0	16.66	16.57	16.86	17.5
		50	25	16.58	16.64	16.93	17.5
		50	50	16.63	16.78	16.98	17.5
		100	0	16.67	16.68	16.83	17.5
	16QAM	1	0	16.94	17.08	17.15	17.5
		1	50	16.77	16.64	16.66	17.5
		1	99	16.64	17.17	17.29	17.5
		50	0	16.57	16.68	16.88	17.5
		50	25	16.55	16.46	16.86	17.5
		50	50	16.54	16.61	16.86	17.5
		100	0	16.6	16.63	16.87	17.5

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	64QAM	1	0	16.43	16.46	16.7	17.5
		1	50	15.52	15.91	16.17	17.5
		1	99	16.32	16.04	16.6	17.5
		50	0	16.16	15.95	16.13	17.5
		50	25	16	15.77	16.24	17.5
		50	50	15.84	16.02	15.98	17.5
		100	0	16.24	15.78	16.4	17.5

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LTE Band 41 Receiver on(Left head) + WiFi2.4G Ant1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40165	40690	41215	
5MHz	QPSK	1	0	13.05	13.05	13.48	14.5
		1	13	13.07	13.07	13.47	14.5
		1	24	13.12	13.18	13.45	14.5
		12	0	13.05	13.17	13.37	14.5
		12	6	13.13	13.15	13.39	14.5
		12	13	13.11	13.12	13.45	14.5
		25	0	13.08	13.12	13.32	14.5
	16QAM	1	0	13.19	13.43	13.27	14.5
		1	13	13.1	13.18	13.25	14.5
		1	24	13.23	13.24	13.35	14.5
		12	0	13.04	13.02	13.38	14.5
		12	6	12.53	12.98	13.09	14.5
		12	13	13.05	13.14	13.34	14.5
		25	0	12.84	13.08	13.33	14.5
	64QAM	1	0	13.44	13.48	13.64	14.5
		1	13	12.54	12.97	13.24	14.5
		1	24	13.31	13.03	13.61	14.5
		12	0	13.21	12.99	13.15	14.5
		12	6	13.03	12.67	13.21	14.5
		12	13	12.83	13.12	12.98	14.5
		25	0	13.28	12.75	13.36	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40190	40690	41190	
10MHz	QPSK	1	0	13.1	13.08	13.29	14.5
		1	25	13.36	13.34	13.66	14.5
		1	49	13.09	13.18	13.41	14.5
		25	0	13.01	13.05	13.3	14.5
		25	13	13.08	13.13	13.33	14.5
		25	25	13.16	13.2	13.26	14.5
		50	0	13.05	13.1	13.33	14.5
	16QAM	1	0	13.31	13.44	13.36	14.5
		1	25	13.16	13.23	13.31	14.5
		1	49	13.39	13.37	13.26	14.5
		25	0	12.87	13.15	13.47	14.5
		25	13	13.07	13.04	13.26	14.5
		25	25	12.9	13.02	13.26	14.5
		50	0	12.98	13.04	13.27	14.5
	64QAM	1	0	13.42	13.44	13.61	14.5
		1	25	12.53	12.92	13.15	14.5
		1	49	13.31	13.06	13.52	14.5
		25	0	13.24	12.95	13.07	14.5

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		25	13	12.99	12.76	13.21	14.5
		25	25	12.86	13.12	13	14.5
		50	0	13.27	12.77	13.38	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40215	40690	41165	
15MHz	QPSK	1	0	13.09	13.07	13.33	14.5
		1	38	13.06	13.04	13.15	14.5
		1	74	13.08	13.16	13.44	14.5
		36	0	13.15	13.23	13.31	14.5
		36	18	13.14	13.11	13.4	14.5
		36	39	13.14	13.17	13.43	14.5
		75	0	13.16	13.12	13.34	14.5
	16QAM	1	0	13.09	13.37	13.8	14.5
		1	38	13.38	13.44	13.49	14.5
		1	74	13.38	13.18	13.26	14.5
		36	0	13.01	13.04	13.19	14.5
		36	18	12.94	13.07	13.19	14.5
		36	39	13.09	13.13	13.26	14.5
		75	0	12.94	13.06	13.14	14.5
	64QAM	1	0	13.42	13.48	13.69	14.5
		1	38	12.51	12.98	13.23	14.5
		1	74	13.33	13.02	13.53	14.5
		36	0	13.23	12.95	13.07	14.5
		36	18	13.04	12.69	13.24	14.5
		36	39	12.88	13.11	13.06	14.5
		75	0	13.3	12.75	13.36	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40240	40690	41140	
20MHz	QPSK	1	0	13.26	13.32	13.49	14.5
		1	50	13.63	13.62	13.72	14.5
		1	99	13.37	13.5	13.51	14.5
		50	0	13.16	13.18	13.31	14.5
		50	25	13.04	13.08	13.24	14.5
		50	50	13.12	13.22	13.42	14.5
		100	0	13.04	13.13	13.43	14.5
	16QAM	1	0	13.65	13.52	13.63	14.5
		1	50	13.63	13.73	13.93	14.5
		1	99	13.23	13.78	14.07	14.5
		50	0	13.09	13.09	13.23	14.5
		50	25	12.96	13.02	13.19	14.5
		50	50	12.97	13.09	13.41	14.5
		100	0	13	13.09	13.39	14.5

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	64QAM	1	0	13.44	13.44	13.67	14.5
		1	50	12.56	12.98	13.16	14.5
		1	99	13.31	13.1	13.56	14.5
		50	0	13.24	12.91	13.14	14.5
		50	25	12.96	12.73	13.23	14.5
		50	50	12.89	13.05	12.98	14.5
		100	0	13.25	12.73	13.36	14.5

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LTE Band 41 Receiver on(Right head) + WiFi2.4G Ant1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40165	40690	41215	
5MHz	QPSK	1	0	12.54	12.52	12.78	14
		1	13	12.51	12.54	12.87	14
		1	24	12.51	12.49	12.85	14
		12	0	12.55	12.67	12.89	14
		12	6	12.5	12.59	12.73	14
		12	13	12.64	12.63	12.83	14
		25	0	12.45	12.63	12.86	14
	16QAM	1	0	12.45	12.73	12.99	14
		1	13	12.49	12.63	13	14
		1	24	12.5	12.63	12.78	14
		12	0	12.47	12.57	12.81	14
		12	6	12.28	12.64	12.85	14
		12	13	12.47	12.5	12.86	14
		25	0	12.55	12.56	12.77	14
	64QAM	1	0	12.84	12.84	13.1	14
		1	13	12.05	12.45	12.64	14
		1	24	12.73	12.56	13.01	14
		12	0	12.66	12.37	12.62	14
		12	6	12.43	12.13	12.69	14
		12	13	12.31	12.48	12.38	14
		25	0	12.7	12.14	12.82	14
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40190	40690	41190	
10MHz	QPSK	1	0	12.5	12.54	12.93	14
		1	25	12.9	12.4	12.73	14
		1	49	12.53	12.63	12.96	14
		25	0	12.54	12.61	12.87	14
		25	13	12.62	12.57	12.78	14
		25	25	12.53	12.62	12.82	14
		50	0	12.59	12.67	12.78	14
	16QAM	1	0	12.86	12.99	13.21	14
		1	25	12.01	13.99	14.03	14
		1	49	13.04	12.9	13	14
		25	0	12.45	12.53	12.73	14
		25	13	12.45	12.55	12.74	14
		25	25	12.49	12.58	12.75	14
		50	0	12.52	12.57	12.69	14
	64QAM	1	0	12.94	12.89	13.1	14
		1	25	11.97	12.42	12.63	14
		1	49	12.74	12.53	13.03	14
		25	0	12.71	12.3	12.56	14

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		25	13	12.36	12.18	12.65	14
		25	25	12.38	12.51	12.42	14
		50	0	12.69	12.14	12.85	14
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40215	40690	41165	
15MHz	QPSK	1	0	12.61	12.59	12.84	14
		1	38	12.57	12.58	12.71	14
		1	74	12.62	12.71	12.83	14
		36	0	12.66	12.63	12.87	14
		36	18	12.56	12.64	12.89	14
		36	39	12.62	12.71	12.9	14
		75	0	12.56	12.65	12.76	14
	16QAM	1	0	12.49	13.03	13.15	14
		1	38	12.38	12.92	12.77	14
		1	74	12.72	13.02	12.82	14
		36	0	12.6	12.55	12.81	14
		36	18	12.5	12.57	12.75	14
		36	39	12.57	12.6	12.86	14
		75	0	12.47	12.57	12.68	14
	64QAM	1	0	12.87	12.89	13.08	14
		1	38	11.95	12.48	12.64	14
		1	74	12.74	12.52	12.98	14
		36	0	12.64	12.38	12.56	14
		36	18	12.45	12.12	12.73	14
		36	39	12.38	12.54	12.45	14
		75	0	12.74	12.18	12.85	14
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40240	40690	41140	
20MHz	QPSK	1	0	12.82	12.81	13.11	14
		1	50	13.08	13.34	13.09	14
		1	99	12.85	12.93	13.05	14
		50	0	12.69	12.71	12.87	14
		50	25	12.61	12.64	12.88	14
		50	50	12.62	12.77	12.92	14
		100	0	12.58	12.68	12.87	14
	16QAM	1	0	13.07	12.93	13.31	14
		1	50	12.42	12.81	13.49	14
		1	99	12.79	12.95	13.33	14
		50	0	12.61	12.63	12.8	14
		50	25	12.49	12.53	12.73	14
		50	50	12.51	12.69	12.82	14
		100	0	12.49	12.57	12.8	14

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	64QAM	1	0	12.94	12.93	13.09	14
		1	50	11.95	12.42	12.63	14
		1	99	12.77	12.49	12.99	14
		50	0	12.66	12.31	12.54	14
		50	25	12.37	12.21	12.67	14
		50	50	12.3	12.44	12.38	14
		100	0	12.65	12.21	12.82	14

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LTE Band 41 Receiver off + WiFi2.4G Ant1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40165	40690	41215	
5MHz	QPSK	1	0	15.63	15.58	15.69	17
		1	13	15.69	15.73	15.88	17
		1	24	15.56	15.62	15.94	17
		12	0	15.66	15.62	15.88	17
		12	6	15.52	15.51	15.65	17
		12	13	15.6	15.6	15.88	17
		25	0	15.55	15.59	15.9	17
	16QAM	1	0	15.82	15.9	16.05	17
		1	13	15.48	15.94	15.89	17
		1	24	15.5	15.94	16.1	17
		12	0	15.5	15.43	15.69	17
		12	6	15.59	15.31	15.6	17
		12	13	15.49	15.53	15.73	17
		25	0	15.54	15.5	15.89	17
	64QAM	1	0	15.91	15.83	16	17
		1	13	14.89	15.35	15.55	17
		1	24	15.71	15.47	15.93	17
		12	0	15.55	15.23	15.45	17
		12	6	15.32	15.21	15.61	17
		12	13	15.26	15.43	15.27	17
		25	0	15.54	15.42	15.79	17
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40190	40690	41190	
10MHz	QPSK	1	0	15.57	15.53	15.86	17
		1	25	15.4	15.47	15.42	17
		1	49	15.54	15.69	15.79	17
		25	0	15.53	15.66	15.8	17
		25	13	15.62	15.57	15.72	17
		25	25	15.53	15.62	15.78	17
		50	0	15.46	15.56	15.83	17
	16QAM	1	0	15.74	15.93	15.97	17
		1	25	16.35	15.63	16.7	17
		1	49	15.67	16.01	15.95	17
		25	0	15.56	15.44	15.75	17
		25	13	15.46	15.43	15.78	17
		25	25	15.47	15.6	15.73	17
		50	0	15.47	15.42	15.76	17
	64QAM	1	0	15.91	15.83	16	17
		1	25	14.89	15.35	15.55	17
		1	49	15.71	15.47	15.93	17
		25	0	15.55	15.23	15.45	17

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		25	13	15.32	15.21	15.61	17
		25	25	15.26	15.43	15.27	17
		50	0	15.54	15.51	15.79	17
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40215	40690	41165	
15MHz	QPSK	1	0	15.58	15.54	15.88	17
		1	38	15.48	15.6	15.67	17
		1	74	15.49	15.77	15.8	17
		36	0	15.69	15.6	15.79	17
		36	18	15.57	15.67	15.88	17
		36	39	15.63	15.62	15.92	17
		75	0	15.58	15.68	15.95	17
	16QAM	1	0	15.72	15.69	15.69	17
		1	38	15.83	15.65	15.65	17
		1	74	15.52	15.9	16.08	17
		36	0	15.59	15.55	15.83	17
		36	18	15.5	15.55	15.76	17
		36	39	15.35	15.71	15.87	17
		75	0	15.49	15.4	15.89	17
	64QAM	1	0	15.91	15.83	16	17
		1	38	14.89	15.35	15.55	17
		1	74	15.71	15.47	15.93	17
		36	0	15.55	15.23	15.45	17
		36	18	15.32	15.21	15.61	17
		36	39	15.26	15.43	15.27	17
		75	0	15.54	15.48	15.79	17
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40240	40690	41140	
20MHz	QPSK	1	0	15.76	15.7	16.07	17
		1	50	15.51	15.7	15.86	17
		1	99	15.82	15.84	16.13	17
		50	0	15.61	15.65	15.88	17
		50	25	15.52	15.47	15.8	17
		50	50	15.51	15.75	15.86	17
		100	0	15.62	15.64	15.85	17
	16QAM	1	0	15.96	15.92	16.12	17
		1	50	15.87	15.85	16.09	17
		1	99	15.76	15.94	16.3	17
		50	0	15.51	15.54	15.76	17
		50	25	15.43	15.51	15.71	17
		50	50	15.41	15.67	15.77	17
		100	0	15.54	15.5	15.79	17

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	64QAM	1	0	15.91	15.83	16	17
		1	50	14.89	15.35	15.55	17
		1	99	15.71	15.47	15.93	17
		50	0	15.55	15.23	15.45	17
		50	25	15.32	15.21	15.61	17
		50	50	15.26	15.43	15.27	17
		100	0	15.54	15.46	15.79	17

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LTE Band 41 Receiver on(Left head) + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40165	40690	41215	
5MHz	QPSK	1	0	10.98	11.06	11.24	12.2
		1	13	10.97	11.05	11.35	12.2
		1	24	11	11.04	11.36	12.2
		12	0	11.01	11.07	11.3	12.2
		12	6	10.84	10.96	11.17	12.2
		12	13	10.97	11.15	11.38	12.2
		25	0	11.05	11.03	11.38	12.2
	16QAM	1	0	10.95	10.94	11.56	12.2
		1	13	11.1	11.11	11.57	12.2
		1	24	11.12	11.24	11.59	12.2
		12	0	10.98	11.03	11.28	12.2
		12	6	11	11.02	11.19	12.2
		12	13	10.93	10.88	11.15	12.2
		25	0	11.01	10.86	11.18	12.2
	64QAM	1	0	11.28	11.22	11.41	12.2
		1	13	10.32	10.77	10.92	12.2
		1	24	11.1	10.92	11.37	12.2
		12	0	10.92	10.72	10.93	12.2
		12	6	10.69	10.63	11	12.2
		12	13	10.71	10.78	10.66	12.2
		25	0	10.9	10.81	11.24	12.2
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40190	40690	41190	
10MHz	QPSK	1	0	11.03	11.08	11.18	12.2
		1	25	10.93	11.03	11.41	12.2
		1	49	10.99	11.19	11.34	12.2
		25	0	11.1	11.08	11.24	12.2
		25	13	11.04	11.05	11.26	12.2
		25	25	11.09	11.12	11.34	12.2
		50	0	11.02	11.15	11.27	12.2
	16QAM	1	0	11.35	11.27	11.42	12.2
		1	25	11.44	11.14	11.32	12.2
		1	49	11.37	11.16	11.56	12.2
		25	0	10.9	10.97	11.13	12.2
		25	13	10.99	11.08	11.16	12.2
		25	25	10.99	11.05	11.18	12.2
		50	0	10.95	10.94	11.21	12.2
	64QAM	1	0	11.32	11.29	11.45	12.2
		1	25	10.37	10.84	11.01	12.2
		1	49	11.13	10.96	11.38	12.2
		25	0	11.02	10.71	10.89	12.2

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		25	13	10.68	10.7	10.99	12.2
		25	25	10.67	10.78	10.68	12.2
		50	0	10.92	10.91	11.27	12.2
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40215	40690	41165	
15MHz	QPSK	1	0	10.99	11.05	11.26	12.2
		1	38	10.96	11	11.3	12.2
		1	74	11	11.16	11.37	12.2
		36	0	11.17	11.06	11.28	12.2
		36	18	11.07	11.07	11.23	12.2
		36	39	11	11.15	11.39	12.2
		75	0	11.07	11.08	11.3	12.2
	16QAM	1	0	11.3	11.32	11.1	12.2
		1	38	11.15	11.23	11.48	12.2
		1	74	11.39	11.1	11.58	12.2
		36	0	11.12	11.15	11.37	12.2
		36	18	11.03	10.98	11.31	12.2
		36	39	11.08	11.08	11.28	12.2
		75	0	10.95	10.97	11.35	12.2
	64QAM	1	0	11.32	11.23	11.4	12.2
		1	38	10.26	10.7	10.96	12.2
		1	74	11.19	10.86	11.41	12.2
		36	0	11.02	10.66	10.89	12.2
		36	18	10.79	10.63	11.01	12.2
		36	39	10.61	10.9	10.71	12.2
		75	0	11.03	10.95	11.23	12.2
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40240	40690	41140	
20MHz	QPSK	1	0	11.22	11.16	11.51	12.2
		1	50	11.39	11.46	11.66	12.2
		1	99	11.21	11.25	11.54	12.2
		50	0	11.15	11.13	11.27	12.2
		50	25	10.94	11.16	11.33	12.2
		50	50	11.07	11.31	11.38	12.2
		100	0	11.04	11.2	11.38	12.2
	16QAM	1	0	11.43	11.54	11.73	12.2
		1	50	11.38	10.99	11.07	12.2
		1	99	11.6	11.51	11.94	12.2
		50	0	10.94	11.03	11.18	12.2
		50	25	11	10.94	11.27	12.2
		50	50	10.97	11.15	11.35	12.2
		100	0	10.97	11.11	11.29	12.2

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	64QAM	1	0	11.38	11.27	11.49	12.2
		1	50	10.31	10.72	10.99	12.2
		1	99	11.13	10.87	11.35	12.2
		50	0	10.99	10.72	10.94	12.2
		50	25	10.7	10.66	11.08	12.2
		50	50	10.67	10.87	10.7	12.2
		100	0	10.97	10.86	11.2	12.2

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LTE Band 41 Receiver on(Right head) + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40165	40690	41215	
5MHz	QPSK	1	0	10.43	10.6	10.81	11.7
		1	13	10.43	10.63	10.79	11.7
		1	24	10.43	10.62	10.79	11.7
		12	0	10.51	10.57	10.9	11.7
		12	6	10.46	10.45	10.6	11.7
		12	13	10.46	10.53	10.84	11.7
		25	0	10.4	10.53	10.71	11.7
	16QAM	1	0	10.55	10.61	10.85	11.7
		1	13	10.59	10.64	10.86	11.7
		1	24	10.76	10.65	10.75	11.7
		12	0	10.42	10.47	10.85	11.7
		12	6	10.49	10.47	10.65	11.7
		12	13	10.42	10.47	10.71	11.7
		25	0	10.42	10.4	10.77	11.7
	64QAM	1	0	10.77	10.66	10.85	11.7
		1	13	9.75	10.19	10.33	11.7
		1	24	10.57	10.41	10.8	11.7
		12	0	10.33	10.2	10.33	11.7
		12	6	10.16	10.1	10.44	11.7
		12	13	10.18	10.22	10.1	11.7
		25	0	10.33	10.26	10.7	11.7
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40190	40690	41190	
10MHz	QPSK	1	0	10.5	10.55	10.7	11.7
		1	25	10.29	10.71	10.87	11.7
		1	49	10.46	10.64	10.76	11.7
		25	0	10.57	10.56	10.7	11.7
		25	13	10.51	10.53	10.73	11.7
		25	25	10.57	10.6	10.77	11.7
		50	0	10.5	10.5	10.72	11.7
	16QAM	1	0	10.87	10.58	10.37	11.7
		1	25	10.41	9.31	10.55	11.7
		1	49	10.89	10.33	10.95	11.7
		25	0	10.39	10.44	10.57	11.7
		25	13	10.4	10.47	10.69	11.7
		25	25	10.36	10.54	10.68	11.7
		50	0	10.56	10.5	10.63	11.7
	64QAM	1	0	10.76	10.63	10.87	11.7
		1	25	9.81	10.21	10.42	11.7
		1	49	10.54	10.36	10.77	11.7
		25	0	10.4	10.14	10.37	11.7

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		25	13	10.15	10.07	10.48	11.7
		25	25	10.21	10.2	10.15	11.7
		50	0	10.39	10.23	10.67	11.7
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40215	40690	41165	
15MHz	QPSK	1	0	10.61	10.51	10.76	11.7
		1	38	10.4	10.49	10.74	11.7
		1	74	10.47	10.63	10.82	11.7
		36	0	10.64	10.65	10.86	11.7
		36	18	10.52	10.54	10.81	11.7
		36	39	10.46	10.62	10.85	11.7
		75	0	10.53	10.55	10.75	11.7
	16QAM	1	0	10.74	10.57	11.03	11.7
		1	38	10.71	10.72	11	11.7
		1	74	10.77	10.51	11.14	11.7
		36	0	10.6	10.5	10.84	11.7
		36	18	10.37	10.45	10.67	11.7
		36	39	10.5	10.51	10.76	11.7
		75	0	10.4	10.46	10.77	11.7
	64QAM	1	0	10.75	10.65	10.84	11.7
		1	38	9.73	10.23	10.38	11.7
		1	74	10.56	10.4	10.78	11.7
		36	0	10.33	10.16	10.36	11.7
		36	18	10.09	10.08	10.46	11.7
		36	39	10.12	10.21	10.09	11.7
		75	0	10.32	10.25	10.65	11.7
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40240	40690	41140	
20MHz	QPSK	1	0	10.69	10.8	11.04	11.7
		1	50	10.93	11.1	11.04	11.7
		1	99	10.75	10.77	10.92	11.7
		50	0	10.66	10.62	10.87	11.7
		50	25	10.44	10.55	10.8	11.7
		50	50	10.58	10.69	10.84	11.7
		100	0	10.55	10.59	10.85	11.7
	16QAM	1	0	10.51	11	11	11.7
		1	50	10.99	10.98	11.57	11.7
		1	99	10.72	11.13	11.16	11.7
		50	0	10.58	10.5	10.69	11.7
		50	25	10.47	10.49	10.75	11.7
		50	50	10.5	10.73	10.79	11.7
		100	0	10.43	10.48	10.76	11.7

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	64QAM	1	0	10.73	10.63	10.84	11.7
		1	50	10.12	10.23	10.34	11.7
		1	99	10.52	10.34	10.83	11.7
		50	0	10.35	10.15	10.37	11.7
		50	25	10.16	10.09	10.48	11.7
		50	50	10.18	10.25	10.09	11.7
		100	0	10.36	10.3	10.68	11.7

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LTE Band 41 Receiver off + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40165	40690	41215	
5MHz	QPSK	1	0	13.6	13.55	13.78	14.7
		1	13	13.57	13.66	13.77	14.7
		1	24	13.45	13.63	13.78	14.7
		12	0	13.52	13.6	13.84	14.7
		12	6	13.1	13.48	13.72	14.7
		12	13	13.61	13.67	13.8	14.7
		25	0	13.58	13.55	13.79	14.7
	16QAM	1	0	13.65	13.5	13.86	14.7
		1	13	13.29	13.55	13.99	14.7
		1	24	13.2	13.69	14.2	14.7
		12	0	13.49	13.57	13.78	14.7
		12	6	13.55	13.66	13.69	14.7
		12	13	13.44	13.61	13.65	14.7
		25	0	13.47	13.46	13.75	14.7
	64QAM	1	0	13.43	13.33	13.54	14.7
		1	13	12.83	12.98	13.04	14.7
		1	24	13.19	13.02	13.55	14.7
		12	0	13.11	12.9	13.15	14.7
		12	6	12.86	12.78	13.16	14.7
		12	13	12.96	13.01	12.87	14.7
		25	0	13.15	13.05	13.35	14.7
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40190	40690	41190	
10MHz	QPSK	1	0	13.65	13.59	13.73	14.7
		1	25	13.49	13.47	13.88	14.7
		1	49	13.62	13.59	13.77	14.7
		25	0	13.56	13.57	13.79	14.7
		25	13	13.49	13.42	13.81	14.7
		25	25	13.55	13.59	13.8	14.7
		50	0	13.61	13.63	13.86	14.7
	16QAM	1	0	13.71	13.83	13.93	14.7
		1	25	13.99	13.85	14.04	14.7
		1	49	13.67	13.74	14.15	14.7
		25	0	13.43	13.51	13.69	14.7
		25	13	13.5	13.51	13.74	14.7
		25	25	13.55	13.46	13.81	14.7
		50	0	13.58	13.52	13.7	14.7
	64QAM	1	0	13.43	13.42	13.53	14.7
		1	25	12.83	13.01	13.03	14.7
		1	49	13.24	13.04	13.53	14.7
		25	0	13.06	12.87	13.07	14.7

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		25	13	12.88	12.85	13.17	14.7
		25	25	12.86	12.96	12.85	14.7
		50	0	13.08	13.08	13.43	14.7
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40215	40690	41165	
15MHz	QPSK	1	0	13.76	13.72	13.72	14.7
		1	38	13.57	13.55	13.61	14.7
		1	74	13.48	13.6	13.73	14.7
		36	0	13.65	13.57	13.86	14.7
		36	18	13.53	13.59	13.78	14.7
		36	39	13.63	13.64	13.98	14.7
		75	0	13.56	13.58	13.84	14.7
	16QAM	1	0	13.82	13.84	13.82	14.7
		1	38	13.79	13.63	13.92	14.7
		1	74	13.59	13.85	13.91	14.7
		36	0	13.71	13.6	13.67	14.7
		36	18	13.51	13.48	13.62	14.7
		36	39	13.4	13.75	13.89	14.7
		75	0	13.52	13.49	13.74	14.7
	64QAM	1	0	13.46	13.4	13.64	14.7
		1	38	12.82	12.91	13.07	14.7
		1	74	13.31	13.04	13.51	14.7
		36	0	13.02	12.91	13.06	14.7
		36	18	12.9	12.83	13.19	14.7
		36	39	12.92	12.92	12.87	14.7
		75	0	13.14	13.02	13.48	14.7
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40240	40690	41140	
20MHz	QPSK	1	0	13.82	13.73	13.98	14.7
		1	50	13.88	14.11	14.24	14.7
		1	99	13.72	13.87	14.13	14.7
		50	0	13.65	13.64	13.86	14.7
		50	25	13.58	13.55	13.86	14.7
		50	50	13.59	13.66	13.85	14.7
		100	0	13.54	13.7	13.85	14.7
	16QAM	1	0	13.84	14.27	14.45	14.7
		1	50	14.22	13.76	13.72	14.7
		1	99	13.93	14.08	14.29	14.7
		50	0	13.64	13.6	13.82	14.7
		50	25	13.42	13.48	13.8	14.7
		50	50	13.56	13.59	13.79	14.7
		100	0	13.55	13.67	13.81	14.7

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	64QAM	1	0	13.51	13.34	13.58	14.7
		1	50	12.86	13	13.12	14.7
		1	99	13.3	13.08	13.58	14.7
		50	0	13.12	12.93	13.08	14.7
		50	25	12.92	12.81	13.19	14.7
		50	50	12.95	13.01	12.85	14.7
		100	0	13.1	13.04	13.38	14.7

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LTE Band 41 Receiver on(Left head) + BT + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40165	40690	41215	
5MHz	QPSK	1	0	10.98	11.06	11.24	12.2
		1	13	10.97	11.05	11.35	12.2
		1	24	11	11.04	11.36	12.2
		12	0	11.01	11.07	11.3	12.2
		12	6	10.84	10.96	11.17	12.2
		12	13	10.97	11.15	11.38	12.2
		25	0	11.05	11.03	11.38	12.2
	16QAM	1	0	10.95	10.94	11.56	12.2
		1	13	11.1	11.11	11.57	12.2
		1	24	11.12	11.24	11.59	12.2
		12	0	10.98	11.03	11.28	12.2
		12	6	11	11.02	11.19	12.2
		12	13	10.93	10.88	11.15	12.2
		25	0	11.01	10.86	11.18	12.2
	64QAM	1	0	11.28	11.22	11.41	12.2
		1	13	10.32	10.77	10.92	12.2
		1	24	11.1	10.92	11.37	12.2
		12	0	10.92	10.72	10.93	12.2
		12	6	10.69	10.63	11	12.2
		12	13	10.71	10.78	10.66	12.2
		25	0	10.9	10.81	11.24	12.2
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40190	40690	41190	
10MHz	QPSK	1	0	11.03	11.08	11.18	12.2
		1	25	10.93	11.03	11.41	12.2
		1	49	10.99	11.19	11.34	12.2
		25	0	11.1	11.08	11.24	12.2
		25	13	11.04	11.05	11.26	12.2
		25	25	11.09	11.12	11.34	12.2
		50	0	11.02	11.15	11.27	12.2
	16QAM	1	0	11.35	11.27	11.42	12.2
		1	25	11.44	11.14	11.32	12.2
		1	49	11.37	11.16	11.56	12.2
		25	0	10.9	10.97	11.13	12.2
		25	13	10.99	11.08	11.16	12.2
		25	25	10.99	11.05	11.18	12.2
		50	0	10.95	10.94	11.21	12.2
	64QAM	1	0	11.32	11.29	11.45	12.2
		1	25	10.37	10.84	11.01	12.2
		1	49	11.13	10.96	11.38	12.2
		25	0	11.02	10.71	10.89	12.2

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		25	13	10.68	10.7	10.99	12.2
		25	25	10.67	10.78	10.68	12.2
		50	0	10.92	10.91	11.27	12.2
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40215	40690	41165	
15MHz	QPSK	1	0	10.99	11.05	11.26	12.2
		1	38	10.96	11	11.3	12.2
		1	74	11	11.16	11.37	12.2
		36	0	11.17	11.06	11.28	12.2
		36	18	11.07	11.07	11.23	12.2
		36	39	11	11.15	11.39	12.2
		75	0	11.07	11.08	11.3	12.2
	16QAM	1	0	11.3	11.32	11.1	12.2
		1	38	11.15	11.23	11.48	12.2
		1	74	11.39	11.1	11.58	12.2
		36	0	11.12	11.15	11.37	12.2
		36	18	11.03	10.98	11.31	12.2
		36	39	11.08	11.08	11.28	12.2
		75	0	10.95	10.97	11.35	12.2
	64QAM	1	0	11.32	11.23	11.4	12.2
		1	38	10.26	10.7	10.96	12.2
		1	74	11.19	10.86	11.41	12.2
		36	0	11.02	10.66	10.89	12.2
		36	18	10.79	10.63	11.01	12.2
		36	39	10.61	10.9	10.71	12.2
		75	0	11.03	10.95	11.23	12.2
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40240	40690	41140	
20MHz	QPSK	1	0	11.22	11.16	11.51	12.2
		1	50	11.39	11.46	11.66	12.2
		1	99	11.21	11.25	11.54	12.2
		50	0	11.15	11.13	11.27	12.2
		50	25	10.94	11.16	11.33	12.2
		50	50	11.07	11.31	11.38	12.2
		100	0	11.04	11.2	11.38	12.2
	16QAM	1	0	11.43	11.54	11.73	12.2
		1	50	11.38	10.99	11.07	12.2
		1	99	11.6	11.51	11.94	12.2
		50	0	10.94	11.03	11.18	12.2
		50	25	11	10.94	11.27	12.2
		50	50	10.97	11.15	11.35	12.2
		100	0	10.97	11.11	11.29	12.2

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	64QAM	1	0	11.38	11.27	11.49	12.2
		1	50	10.31	10.72	10.99	12.2
		1	99	11.13	10.87	11.35	12.2
		50	0	10.99	10.72	10.94	12.2
		50	25	10.7	10.66	11.08	12.2
		50	50	10.67	10.87	10.7	12.2
		100	0	10.97	10.86	11.2	12.2

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LTE Band 41 Receiver on(Right head) + BT + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40165	40690	41215	
5MHz	QPSK	1	0	10.43	10.6	10.81	11.7
		1	13	10.43	10.63	10.79	11.7
		1	24	10.43	10.62	10.79	11.7
		12	0	10.51	10.57	10.9	11.7
		12	6	10.46	10.45	10.6	11.7
		12	13	10.46	10.53	10.84	11.7
		25	0	10.4	10.53	10.71	11.7
	16QAM	1	0	10.55	10.61	10.85	11.7
		1	13	10.59	10.64	10.86	11.7
		1	24	10.76	10.65	10.75	11.7
		12	0	10.42	10.47	10.85	11.7
		12	6	10.49	10.47	10.65	11.7
		12	13	10.42	10.47	10.71	11.7
		25	0	10.42	10.4	10.77	11.7
	64QAM	1	0	10.77	10.66	10.85	11.7
		1	13	9.75	10.19	10.33	11.7
		1	24	10.57	10.41	10.8	11.7
		12	0	10.33	10.2	10.33	11.7
		12	6	10.16	10.1	10.44	11.7
		12	13	10.18	10.22	10.1	11.7
		25	0	10.33	10.26	10.7	11.7
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40190	40690	41190	
10MHz	QPSK	1	0	10.5	10.55	10.7	11.7
		1	25	10.29	10.71	10.87	11.7
		1	49	10.46	10.64	10.76	11.7
		25	0	10.57	10.56	10.7	11.7
		25	13	10.51	10.53	10.73	11.7
		25	25	10.57	10.6	10.77	11.7
		50	0	10.5	10.5	10.72	11.7
	16QAM	1	0	10.87	10.58	10.37	11.7
		1	25	10.41	9.31	10.55	11.7
		1	49	10.89	10.33	10.95	11.7
		25	0	10.39	10.44	10.57	11.7
		25	13	10.4	10.47	10.69	11.7
		25	25	10.36	10.54	10.68	11.7
		50	0	10.56	10.5	10.63	11.7
	64QAM	1	0	10.76	10.63	10.87	11.7
		1	25	9.81	10.21	10.42	11.7
		1	49	10.54	10.36	10.77	11.7
		25	0	10.4	10.14	10.37	11.7

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		25	13	10.15	10.07	10.48	11.7
		25	25	10.21	10.2	10.15	11.7
		50	0	10.39	10.23	10.67	11.7
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40215	40690	41165	
15MHz	QPSK	1	0	10.61	10.51	10.76	11.7
		1	38	10.4	10.49	10.74	11.7
		1	74	10.47	10.63	10.82	11.7
		36	0	10.64	10.65	10.86	11.7
		36	18	10.52	10.54	10.81	11.7
		36	39	10.46	10.62	10.85	11.7
		75	0	10.53	10.55	10.75	11.7
	16QAM	1	0	10.74	10.57	11.03	11.7
		1	38	10.71	10.72	11	11.7
		1	74	10.77	10.51	11.14	11.7
		36	0	10.6	10.5	10.84	11.7
		36	18	10.37	10.45	10.67	11.7
		36	39	10.5	10.51	10.76	11.7
		75	0	10.4	10.46	10.77	11.7
	64QAM	1	0	10.75	10.65	10.84	11.7
		1	38	9.73	10.23	10.38	11.7
		1	74	10.56	10.4	10.78	11.7
		36	0	10.33	10.16	10.36	11.7
		36	18	10.09	10.08	10.46	11.7
		36	39	10.12	10.21	10.09	11.7
		75	0	10.32	10.25	10.65	11.7
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40240	40690	41140	
20MHz	QPSK	1	0	10.69	10.8	11.04	11.7
		1	50	10.93	11.1	11.04	11.7
		1	99	10.75	10.77	10.92	11.7
		50	0	10.66	10.62	10.87	11.7
		50	25	10.44	10.55	10.8	11.7
		50	50	10.58	10.69	10.84	11.7
		100	0	10.55	10.59	10.85	11.7
	16QAM	1	0	10.51	11	11	11.7
		1	50	10.99	10.98	11.57	11.7
		1	99	10.72	11.13	11.16	11.7
		50	0	10.58	10.5	10.69	11.7
		50	25	10.47	10.49	10.75	11.7
		50	50	10.5	10.73	10.79	11.7
		100	0	10.43	10.48	10.76	11.7

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	64QAM	1	0	10.73	10.63	10.84	11.7
		1	50	10.12	10.23	10.34	11.7
		1	99	10.52	10.34	10.83	11.7
		50	0	10.35	10.15	10.37	11.7
		50	25	10.16	10.09	10.48	11.7
		50	50	10.18	10.25	10.09	11.7
		100	0	10.36	10.3	10.68	11.7

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LTE Band 41 Receiver off + BT + WiFi5G Ant1/Ant2/MIMO				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40165	40690	41215	
5MHz	QPSK	1	0	13.6	13.55	13.78	14.7
		1	13	13.57	13.66	13.77	14.7
		1	24	13.45	13.63	13.78	14.7
		12	0	13.52	13.6	13.84	14.7
		12	6	13.1	13.48	13.72	14.7
		12	13	13.61	13.67	13.8	14.7
		25	0	13.58	13.55	13.79	14.7
	16QAM	1	0	13.65	13.5	13.86	14.7
		1	13	13.29	13.55	13.99	14.7
		1	24	13.2	13.69	14.2	14.7
		12	0	13.49	13.57	13.78	14.7
		12	6	13.55	13.66	13.69	14.7
		12	13	13.44	13.61	13.65	14.7
		25	0	13.47	13.46	13.75	14.7
	64QAM	1	0	13.43	13.33	13.54	14.7
		1	13	12.83	12.98	13.04	14.7
		1	24	13.19	13.02	13.55	14.7
		12	0	13.11	12.9	13.15	14.7
		12	6	12.86	12.78	13.16	14.7
		12	13	12.96	13.01	12.87	14.7
		25	0	13.15	13.05	13.35	14.7
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40190	40690	41190	
10MHz	QPSK	1	0	13.65	13.59	13.73	14.7
		1	25	13.49	13.47	13.88	14.7
		1	49	13.62	13.59	13.77	14.7
		25	0	13.56	13.57	13.79	14.7
		25	13	13.49	13.42	13.81	14.7
		25	25	13.55	13.59	13.8	14.7
		50	0	13.61	13.63	13.86	14.7
	16QAM	1	0	13.71	13.83	13.93	14.7
		1	25	13.99	13.85	14.04	14.7
		1	49	13.67	13.74	14.15	14.7
		25	0	13.43	13.51	13.69	14.7
		25	13	13.5	13.51	13.74	14.7
		25	25	13.55	13.46	13.81	14.7
		50	0	13.58	13.52	13.7	14.7
	64QAM	1	0	13.43	13.42	13.53	14.7
		1	25	12.83	13.01	13.03	14.7
		1	49	13.24	13.04	13.53	14.7
		25	0	13.06	12.87	13.07	14.7

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		25	13	12.88	12.85	13.17	14.7
		25	25	12.86	12.96	12.85	14.7
		50	0	13.08	13.08	13.43	14.7
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40215	40690	41165	
15MHz	QPSK	1	0	13.76	13.72	13.72	14.7
		1	38	13.57	13.55	13.61	14.7
		1	74	13.48	13.6	13.73	14.7
		36	0	13.65	13.57	13.86	14.7
		36	18	13.53	13.59	13.78	14.7
		36	39	13.63	13.64	13.98	14.7
		75	0	13.56	13.58	13.84	14.7
	16QAM	1	0	13.82	13.84	13.82	14.7
		1	38	13.79	13.63	13.92	14.7
		1	74	13.59	13.85	13.91	14.7
		36	0	13.71	13.6	13.67	14.7
		36	18	13.51	13.48	13.62	14.7
		36	39	13.4	13.75	13.89	14.7
		75	0	13.52	13.49	13.74	14.7
	64QAM	1	0	13.46	13.4	13.64	14.7
		1	38	12.82	12.91	13.07	14.7
		1	74	13.31	13.04	13.51	14.7
		36	0	13.02	12.91	13.06	14.7
		36	18	12.9	12.83	13.19	14.7
		36	39	12.92	12.92	12.87	14.7
		75	0	13.14	13.02	13.48	14.7
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40240	40690	41140	
20MHz	QPSK	1	0	13.82	13.73	13.98	14.7
		1	50	13.88	14.11	14.24	14.7
		1	99	13.72	13.87	14.13	14.7
		50	0	13.65	13.64	13.86	14.7
		50	25	13.58	13.55	13.86	14.7
		50	50	13.59	13.66	13.85	14.7
		100	0	13.54	13.7	13.85	14.7
	16QAM	1	0	13.84	14.27	14.45	14.7
		1	50	14.22	13.76	13.72	14.7
		1	99	13.93	14.08	14.29	14.7
		50	0	13.64	13.6	13.82	14.7
		50	25	13.42	13.48	13.8	14.7
		50	50	13.56	13.59	13.79	14.7
		100	0	13.55	13.67	13.81	14.7

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	64QAM	1	0	13.51	13.34	13.58	14.7
		1	50	12.86	13	13.12	14.7
		1	99	13.3	13.08	13.58	14.7
		50	0	13.12	12.93	13.08	14.7
		50	25	12.92	12.81	13.19	14.7
		50	50	12.95	13.01	12.85	14.7
		100	0	13.1	13.04	13.38	14.7

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LTE Band 41 Receiver on(Left head) + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40165	40690	41215	
5MHz	QPSK	1	0	13.05	13.05	13.48	14.5
		1	13	13.07	13.07	13.47	14.5
		1	24	13.12	13.18	13.45	14.5
		12	0	13.05	13.17	13.37	14.5
		12	6	13.13	13.15	13.39	14.5
		12	13	13.11	13.12	13.45	14.5
		25	0	13.08	13.12	13.32	14.5
	16QAM	1	0	13.19	13.43	13.27	14.5
		1	13	13.1	13.18	13.25	14.5
		1	24	13.23	13.24	13.35	14.5
		12	0	13.04	13.02	13.38	14.5
		12	6	12.53	12.98	13.09	14.5
		12	13	13.05	13.14	13.34	14.5
		25	0	12.84	13.08	13.33	14.5
	64QAM	1	0	13.44	13.48	13.64	14.5
		1	13	12.54	12.97	13.24	14.5
		1	24	13.31	13.03	13.61	14.5
		12	0	13.21	12.99	13.15	14.5
		12	6	13.03	12.67	13.21	14.5
		12	13	12.83	13.12	12.98	14.5
		25	0	13.28	12.75	13.36	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40190	40690	41190	
10MHz	QPSK	1	0	13.1	13.08	13.29	14.5
		1	25	13.36	13.34	13.66	14.5
		1	49	13.09	13.18	13.41	14.5
		25	0	13.01	13.05	13.3	14.5
		25	13	13.08	13.13	13.33	14.5
		25	25	13.16	13.2	13.26	14.5
		50	0	13.05	13.1	13.33	14.5
	16QAM	1	0	13.31	13.44	13.36	14.5
		1	25	13.16	13.23	13.31	14.5
		1	49	13.39	13.37	13.26	14.5
		25	0	12.87	13.15	13.47	14.5
		25	13	13.07	13.04	13.26	14.5
		25	25	12.9	13.02	13.26	14.5
		50	0	12.98	13.04	13.27	14.5
	64QAM	1	0	13.42	13.44	13.61	14.5
		1	25	12.53	12.92	13.15	14.5
		1	49	13.31	13.06	13.52	14.5
		25	0	13.24	12.95	13.07	14.5

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		25	13	12.99	12.76	13.21	14.5
		25	25	12.86	13.12	13	14.5
		50	0	13.27	12.77	13.38	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40215	40690	41165	
15MHz	QPSK	1	0	13.09	13.07	13.33	14.5
		1	38	13.06	13.04	13.15	14.5
		1	74	13.08	13.16	13.44	14.5
		36	0	13.15	13.23	13.31	14.5
		36	18	13.14	13.11	13.4	14.5
		36	39	13.14	13.17	13.43	14.5
		75	0	13.16	13.12	13.34	14.5
	16QAM	1	0	13.09	13.37	13.8	14.5
		1	38	13.38	13.44	13.49	14.5
		1	74	13.38	13.18	13.26	14.5
		36	0	13.01	13.04	13.19	14.5
		36	18	12.94	13.07	13.19	14.5
		36	39	13.09	13.13	13.26	14.5
		75	0	12.94	13.06	13.14	14.5
	64QAM	1	0	13.42	13.48	13.69	14.5
		1	38	12.51	12.98	13.23	14.5
		1	74	13.33	13.02	13.53	14.5
		36	0	13.23	12.95	13.07	14.5
		36	18	13.04	12.69	13.24	14.5
		36	39	12.88	13.11	13.06	14.5
		75	0	13.3	12.75	13.36	14.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40240	40690	41140	
20MHz	QPSK	1	0	13.26	13.32	13.49	14.5
		1	50	13.63	13.62	13.72	14.5
		1	99	13.37	13.5	13.51	14.5
		50	0	13.16	13.18	13.31	14.5
		50	25	13.04	13.08	13.24	14.5
		50	50	13.12	13.22	13.42	14.5
		100	0	13.04	13.13	13.43	14.5
	16QAM	1	0	13.65	13.52	13.63	14.5
		1	50	13.63	13.73	13.93	14.5
		1	99	13.23	13.78	14.07	14.5
		50	0	13.09	13.09	13.23	14.5
		50	25	12.96	13.02	13.19	14.5
		50	50	12.97	13.09	13.41	14.5
		100	0	13	13.09	13.39	14.5

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	64QAM	1	0	13.44	13.44	13.67	14.5
		1	50	12.56	12.98	13.16	14.5
		1	99	13.31	13.1	13.56	14.5
		50	0	13.24	12.91	13.14	14.5
		50	25	12.96	12.73	13.23	14.5
		50	50	12.89	13.05	12.98	14.5
		100	0	13.25	12.73	13.36	14.5

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LTE Band 41 Receiver on(Right head) + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 40165	Channel 40690	Channel 41215	Tune up
5MHz	QPSK	1	0	12.54	12.52	12.78	14
		1	13	12.51	12.54	12.87	14
		1	24	12.51	12.49	12.85	14
		12	0	12.55	12.67	12.89	14
		12	6	12.5	12.59	12.73	14
		12	13	12.64	12.63	12.83	14
		25	0	12.45	12.63	12.86	14
	16QAM	1	0	12.45	12.73	12.99	14
		1	13	12.49	12.63	13	14
		1	24	12.5	12.63	12.78	14
		12	0	12.47	12.57	12.81	14
		12	6	12.28	12.64	12.85	14
		12	13	12.47	12.5	12.86	14
		25	0	12.55	12.56	12.77	14
	64QAM	1	0	12.84	12.84	13.1	14
		1	13	12.05	12.45	12.64	14
		1	24	12.73	12.56	13.01	14
		12	0	12.66	12.37	12.62	14
		12	6	12.43	12.13	12.69	14
		12	13	12.31	12.48	12.38	14
		25	0	12.7	12.14	12.82	14
Bandwidth	Modulation	RB size	RB offset	Channel 40190	Channel 40690	Channel 41190	Tune up
10MHz	QPSK	1	0	12.5	12.54	12.93	14
		1	25	12.9	12.4	12.73	14
		1	49	12.53	12.63	12.96	14
		25	0	12.54	12.61	12.87	14
		25	13	12.62	12.57	12.78	14
		25	25	12.53	12.62	12.82	14
		50	0	12.59	12.67	12.78	14
	16QAM	1	0	12.86	12.99	13.21	14
		1	25	12.01	13.99	14.03	14
		1	49	13.04	12.9	13	14
		25	0	12.45	12.53	12.73	14
		25	13	12.45	12.55	12.74	14
		25	25	12.49	12.58	12.75	14
		50	0	12.52	12.57	12.69	14
	64QAM	1	0	12.94	12.89	13.1	14
		1	25	11.97	12.42	12.63	14
		1	49	12.74	12.53	13.03	14
		25	0	12.71	12.3	12.56	14

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		25	13	12.36	12.18	12.65	14
		25	25	12.38	12.51	12.42	14
		50	0	12.69	12.14	12.85	14
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40215	40690	41165	
15MHz	QPSK	1	0	12.61	12.59	12.84	14
		1	38	12.57	12.58	12.71	14
		1	74	12.62	12.71	12.83	14
		36	0	12.66	12.63	12.87	14
		36	18	12.56	12.64	12.89	14
		36	39	12.62	12.71	12.9	14
		75	0	12.56	12.65	12.76	14
	16QAM	1	0	12.49	13.03	13.15	14
		1	38	12.38	12.92	12.77	14
		1	74	12.72	13.02	12.82	14
		36	0	12.6	12.55	12.81	14
		36	18	12.5	12.57	12.75	14
		36	39	12.57	12.6	12.86	14
		75	0	12.47	12.57	12.68	14
	64QAM	1	0	12.87	12.89	13.08	14
		1	38	11.95	12.48	12.64	14
		1	74	12.74	12.52	12.98	14
		36	0	12.64	12.38	12.56	14
		36	18	12.45	12.12	12.73	14
		36	39	12.38	12.54	12.45	14
		75	0	12.74	12.18	12.85	14
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40240	40690	41140	
20MHz	QPSK	1	0	12.82	12.81	13.11	14
		1	50	13.08	13.34	13.09	14
		1	99	12.85	12.93	13.05	14
		50	0	12.69	12.71	12.87	14
		50	25	12.61	12.64	12.88	14
		50	50	12.62	12.77	12.92	14
		100	0	12.58	12.68	12.87	14
	16QAM	1	0	13.07	12.93	13.31	14
		1	50	12.42	12.81	13.49	14
		1	99	12.79	12.95	13.33	14
		50	0	12.61	12.63	12.8	14
		50	25	12.49	12.53	12.73	14
		50	50	12.51	12.69	12.82	14
		100	0	12.49	12.57	12.8	14

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	64QAM	1	0	12.94	12.93	13.09	14
		1	50	11.95	12.42	12.63	14
		1	99	12.77	12.49	12.99	14
		50	0	12.66	12.31	12.54	14
		50	25	12.37	12.21	12.67	14
		50	50	12.3	12.44	12.38	14
		100	0	12.65	12.21	12.82	14

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LTE Band 41 Receiver off + WiFi2.4G Ant1 + WiFi5G Ant2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40165	40690	41215	
5MHz	QPSK	1	0	15.63	15.58	15.69	17
		1	13	15.69	15.73	15.88	17
		1	24	15.56	15.62	15.94	17
		12	0	15.66	15.62	15.88	17
		12	6	15.52	15.51	15.65	17
		12	13	15.6	15.6	15.88	17
		25	0	15.55	15.59	15.9	17
	16QAM	1	0	15.82	15.9	16.05	17
		1	13	15.48	15.94	15.89	17
		1	24	15.5	15.94	16.1	17
		12	0	15.5	15.43	15.69	17
		12	6	15.59	15.31	15.6	17
		12	13	15.49	15.53	15.73	17
		25	0	15.54	15.5	15.89	17
	64QAM	1	0	15.91	15.83	16	17
		1	13	14.89	15.35	15.55	17
		1	24	15.71	15.47	15.93	17
		12	0	15.55	15.23	15.45	17
		12	6	15.32	15.21	15.61	17
		12	13	15.26	15.43	15.27	17
		25	0	15.54	15.42	15.79	17
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40190	40690	41190	
10MHz	QPSK	1	0	15.57	15.53	15.86	17
		1	25	15.4	15.47	15.42	17
		1	49	15.54	15.69	15.79	17
		25	0	15.53	15.66	15.8	17
		25	13	15.62	15.57	15.72	17
		25	25	15.53	15.62	15.78	17
		50	0	15.46	15.56	15.83	17
	16QAM	1	0	15.74	15.93	15.97	17
		1	25	16.35	15.63	16.7	17
		1	49	15.67	16.01	15.95	17
		25	0	15.56	15.44	15.75	17
		25	13	15.46	15.43	15.78	17
		25	25	15.47	15.6	15.73	17
		50	0	15.47	15.42	15.76	17
	64QAM	1	0	15.91	15.83	16	17
		1	25	14.89	15.35	15.55	17
		1	49	15.71	15.47	15.93	17
		25	0	15.55	15.23	15.45	17

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		25	13	15.32	15.21	15.61	17
		25	25	15.26	15.43	15.27	17
		50	0	15.54	15.51	15.79	17
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40215	40690	41165	
15MHz	QPSK	1	0	15.58	15.54	15.88	17
		1	38	15.48	15.6	15.67	17
		1	74	15.49	15.77	15.8	17
		36	0	15.69	15.6	15.79	17
		36	18	15.57	15.67	15.88	17
		36	39	15.63	15.62	15.92	17
		75	0	15.58	15.68	15.95	17
	16QAM	1	0	15.72	15.69	15.69	17
		1	38	15.83	15.65	15.65	17
		1	74	15.52	15.9	16.08	17
		36	0	15.59	15.55	15.83	17
		36	18	15.5	15.55	15.76	17
		36	39	15.35	15.71	15.87	17
		75	0	15.49	15.4	15.89	17
	64QAM	1	0	15.91	15.83	16	17
		1	38	14.89	15.35	15.55	17
		1	74	15.71	15.47	15.93	17
		36	0	15.55	15.23	15.45	17
		36	18	15.32	15.21	15.61	17
		36	39	15.26	15.43	15.27	17
		75	0	15.54	15.48	15.79	17
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40240	40690	41140	
20MHz	QPSK	1	0	15.76	15.7	16.07	17
		1	50	15.51	15.7	15.86	17
		1	99	15.82	15.84	16.13	17
		50	0	15.61	15.65	15.88	17
		50	25	15.52	15.47	15.8	17
		50	50	15.51	15.75	15.86	17
		100	0	15.62	15.64	15.85	17
	16QAM	1	0	15.96	15.92	16.12	17
		1	50	15.87	15.85	16.09	17
		1	99	15.76	15.94	16.3	17
		50	0	15.51	15.54	15.76	17
		50	25	15.43	15.51	15.71	17
		50	50	15.41	15.67	15.77	17
		100	0	15.54	15.5	15.79	17

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	64QAM	1	0	15.91	15.83	16	17
		1	50	14.89	15.35	15.55	17
		1	99	15.71	15.47	15.93	17
		50	0	15.55	15.23	15.45	17
		50	25	15.32	15.21	15.61	17
		50	50	15.26	15.43	15.27	17
		100	0	15.54	15.46	15.79	17

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8.1.3 Conducted Power of Downlink LTE CA

In this section, the following conducted power measurement results of downlink LTE carrier aggregation are provided to quantify downlink only carrier aggregation SAR test exclusion per KDB 941225 D05A. Uplink maximum output power is measured with downlink carrier aggregation active, using the channel with highest measured maximum output power when downlink carrier aggregation is inactive, to confirm that when downlink carrier aggregation is active uplink maximum output power remains within the specified tune-up tolerance limits and not more than 1/4 dB higher than the maximum output power measured when downlink carrier aggregation is 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

The device supports Rel. 13 downlink only LTE Carrier Aggregation and certain network enhancement features. It supports a maximum of 3 carriers in the downlink.

The possible downlink 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 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.

Intra-band contiguous

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 Configuration / N_{RB_agg}		DL Allocation	CC MOD	UL Allocation				
PCC N_{RB}	SCCs N_{RB}	PCC & SCC RB allocation		N_{RB_alloc}	PCC & SCC RB allocations (L_{CRB} @ RB_{start})			
75	75	N/A for this test	QPSK	16	P_16@0	S_0@0	-	-
100	25		QPSK	8	P_8@0	S_0@0	-	-
100	50		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.								

Inter-band

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

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

2CC-Intraband(Contiguous)-ANT1

Full Power												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	0	Band 2	20M	1879.8	18898	23.20	23.16
CA_5B	Band 5	10M	829	20450	1	0	Band 5	10M	883.9	2549	23.34	23.38
CA_7C	Band 7	20M	2560	21350	1	99	Band 7	20M	2660.2	3152	22.82	22.86
CA_12B	Band 12	5M	711	23130	1	49	Band 12	10M	733.8	5058	22.96	22.91
CA_38C	Band 38	20M	2610	38150	1	50	Band 38	20M	2590.2	37952	22.97	22.92
CA_41C	Band 41	20M	2645	41140	1	99	Band 41	20M	2625.2	40942	23.26	23.36
Hotspot 2.4G												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	0	Band 2	20M	1879.8	18898	18.26	18.2
CA_7C	Band 7	20M	2560	21350	1	99	Band 7	20M	2660.2	3152	19.86	19.82
CA_38C	Band 38	20M	2610	38150	1	50	Band 38	20M	2590.2	37952	21.29	21.38
CA_41C	Band 41	20M	2645	41140	1	99	Band 41	20M	2625.2	40942	21.47	21.49

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4x4MIMO-ANT1

Full Power ANT1

DL LTE CA Class	PCC						SCC				DL Antenna Configuratio n	Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Chann el	UL # RB	UL RB Offse t	LTE Band	BW (MHz)	Freq. (MHz)	Chann el		LTE Rel 10 Tx.Power(dB m)	LTE Rel 8 Tx.Power(dB m)
CA_7 C	Band 7	20M	2560	21350	1	99	Band 7	20M	2660. 2	3152	4*4 MIMO	23.34	23.38

Interband-ANT1

Full Power ANT1

DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2A-5A	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450	23.20	23.16
	Band 5	10M	829	20450	1	0	Band 2	20M	700	1940	23.34	23.38
CA_2A-12A	Band 2	20M	1860	18700	1	0	Band 12A	5M	701.5	5035	23.05	23.16
CA_2A-12B	Band 2	20M	1860	18700	1	0	Band 12B	10M	741	5130	23.20	23.16
CA_2A-17A	Band 2	20M	1860	18700	1	0	Band 17	10M	741	5800	23.20	23.16
CA_4A-5A	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	23.56	23.62
	Band 5	10M	829	20450	1	0	Band 4	20M	2120	2050	23.34	23.38
CA_4A-12A	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	23.56	23.62
CA_4A-12A	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	23.56	23.62
CA_5A-7A	Band 5	10M	829	20450	1	0	Band 7	20M	2680	3350	23.34	23.38
	Band 7	20M	2560	21350	1	99	Band 5	10M	874	2450	22.82	22.86
CA_7A-12A	Band 7	20M	2560	21350	1	99	Band 12	10M	741	5130	22.82	22.86

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Hotspot 2.4G

DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2A-5A	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450	18.26	18.2
	Band 5	10M	829	20450	1	0	Band 2	20M	700	1940	23.34	23.38
CA_2A-12A	Band 2	20M	1860	18700	1	0	Band 12A	5M	701.5	5035	18.12	18.2
CA_2A-12B	Band 2	20M	1860	18700	1	0	Band 12B	10M	741	5130	18.26	18.2
CA_2A-17A	Band 2	20M	1860	18700	1	0	Band 17	10M	741	5800	18.26	18.2
CA_4A-5A	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	19.61	19.68
	Band 5	10M	829	20450	1	0	Band 4	20M	2120	2050	23.34	23.38
CA_4A-12A	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	19.61	19.68
CA_4A-12A	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	19.61	19.68
CA_5A-7A	Band 5	10M	829	20450	1	0	Band 7	20M	2680	3350	23.34	23.38
	Band 7	20M	2560	21350	1	99	Band 5	10M	874	2450	19.86	19.82
CA_7A-12A	Band 7	20M	2560	21350	1	99	Band 12	10M	741	5130	19.86	19.82

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2CC-Intraband(Contiguous)-ANT2

Full Power												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	0	Band 2	20M	1879.8	18898	23.67	23.63
CA_5B	Band 5	10M	829	20450	1	0	Band 5	10M	883.9	2549	23.72	23.71
CA_7C	Band 7	20M	2510	20850	1	99	Band 7	20M	2649.8	3048	22.78	22.76
CA_12B	Band 12	5M	701.8	23780	1	49	Band 12	10M	739	5110	23.14	23.18
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	23.08	23.12
CA_41C	Band 41	20M	2645	41140	1	0	Band 41	20M	2625.2	40942	23.45	23.4
Receiver on(Left head)												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	0	Band 2	20M	1879.8	18898	17.58	17.68
CA_5B	Band 5	10M	829	20450	25	25	Band 5	10M	883.9	2549	19.74	19.69
CA_7C	Band 7	20M	2560	21350	1	99	Band 7	20M	2660.2	3152	15.95	15.89
CA_12B	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	20.83	20.79
CA_38C	Band 38	20M	2580	37850	1	0	Band 38	20M	2599.8	38048	16.85	16.94
CA_41C	Band 41	20M	2555	40240	1	99	Band 41	20M	2566.7	40357	16.63	16.65
Receiver on(Right head)												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	0	Band 2	20M	1879.8	18898	15.55	15.65
CA_5B	Band 5	10M	829	20450	25	13	Band 5	10M	883.9	2549	19.67	19.62
CA_7C	Band 7	20M	2560	21350	1	99	Band 7	20M	2660.2	3152	14.95	14.89
CA_12B	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	20.29	20.25
CA_38C	Band 38	20M	2610	38150	50	50	Band 38	20M	2590.2	37952	16.17	16.1
CA_41C	Band 41	20M	2645	41140	1	0	Band 41	20M	2625.2	40942	16.35	16.29
Receiver off												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	100	0	Band 2	20M	1879.8	18898	21.16	21.07
CA_5B	Band 5	10M	829	20450	1	0	Band 5	10M	883.9	2549	23.62	23.71
CA_7C	Band 7	20M	2510	20850	1	99	Band 7	20M	2649.8	3048	18.37	18.28
CA_12B	Band 12	5M	711	23130	1	49	Band 12	10M	733.8	5058	23.16	23.19

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CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	19.20	19.2
CA_41C	Band 41	20M	2645	41140	1	99	Band 41	20M	2625.2	40942	19.35	19.3
Receiver off + hotspot 2.4G												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	50	Band 2	20M	1879.8	18898	18.33	18.37
CA_5B	Band 5	10M	829	20450	1	0	Band 5	10M	883.9	2549	20.63	20.58
CA_7C	Band 7	20M	2510	20850	1	0	Band 7	20M	2649.8	3048	15.34	15.3
CA_12B	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	19.98	20.08
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	16.34	16.29
CA_41C	Band 41	20M	2645	41140	1	0	Band 41	20M	2625.2	40942	16.46	16.4
Receiver off + hotspot 5G												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	0	Band 2	20M	1879.8	18898	16.18	16.14
CA_5B	Band 5	10M	829	20450	25	0	Band 5	10M	883.9	2549	18.58	18.56
CA_7C	Band 7	20M	2510	20850	1	0	Band 7	20M	2649.8	3048	13.24	13.23
CA_12B	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	18.06	18.1
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	14.15	14.19
CA_41C	Band 41	20M	2645	41140	1	0	Band 41	20M	2625.2	40942	14.47	14.42
Receiver on(Left head) + hotspot 2.4G												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1900	19100	1	0	Band 2	20M	1960.2	902	14.41	14.37
CA_5B	Band 5	10M	844	20600	1	25	Band 5	10M	879.1	2501	17.48	17.43
CA_7C	Band 7	20M	2560	21350	1	50	Band 7	20M	3152	14.95	12.61	12.65
CA_12B	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	17.59	17.63
CA_38C	Band 38	20M	2610	38150	50	50	Band 38	20M	2590.2	37952	13.76	13.74
CA_41C	Band 41	20M	2645	41140	1	99	Band 41	20M	2625.2	40942	13.64	13.63
Receiver on(Right head) + hotspot 2.4G												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	0	Band 2	20M	1879.8	18898	12.25	12.35
CA_5B	Band 5	10M	829	20450	1	25	Band 5	10M	883.9	2549	16.75	16.69
CA_7C	Band 7	20M	2510	20850	1	50	Band 7	20M	2649.8	3048	11.64	11.6
CA_12B	Band 12	5M	711	23130	50	0	Band 12	10M	733.8	5058	17.13	17.1

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CA_38C	Band 38	20M	2610	38150	1	25	Band 38	20M	2590.2	37952	12.80	12.78
CA_41C	Band 41	20M	2645	41140	1	50	Band 41	20M	2625.2	40942	13.31	13.24
Receiver on(Left head) + hotspot 5G												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	0	Band 2	20M	1879.8	18898	12.33	12.36
CA_5B	Band 5	10M	829	20450	1	0	Band 5	10M	883.9	2549	14.68	14.59
CA_7C	Band 7	20M	2560	21350	1	99	Band 7	20M	3152	14.95	10.44	10.53
CA_12B	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	15.70	15.61
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	11.82	11.85
CA_41C	Band 41	20M	2555	40240	1	50	Band 41	20M	2566.7	40357	11.77	11.71
Receiver on(Right head) + hotspot 5G												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1900	19100	1	0	Band 2	20M	1960.2	902	10.36	10.36
CA_5B	Band 5	10M	829	20450	25	13	Band 5	10M	883.9	2549	14.53	14.48
CA_7C	Band 7	20M	2560	21350	50	0	Band 7	20M	3152	14.95	9.84	9.93
CA_12B	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	15.11	15.09
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	10.77	10.78
CA_41C	Band 41	20M	2645	41140	1	50	Band 41	20M	2625.2	40942	11.09	11.13
Receiver on(Left head) + BT												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1900	19100	1	50	Band 2	20M	1960.2	902	15.37	15.33
CA_5B	Band 5	10M	844	20600	25	25	Band 5	10M	879.1	2501	17.47	17.45
CA_7C	Band 7	20M	2510	20850	1	50	Band 7	20M	2649.8	3048	13.69	13.68
CA_12B	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	18.55	18.59
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	14.80	14.84
CA_41C	Band 41	20M	2645	41140	1	99	Band 41	20M	2625.2	40942	14.68	14.63
Receiver on(Right head) + BT												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	0	Band 2	20M	1879.8	18898	13.37	13.39
CA_5B	Band 5	10M	829	20450	25	0	Band 5	10M	883.9	2549	17.40	17.49
CA_7C	Band 7	20M	2510	20850	50	0	Band 7	20M	2649.8	3048	12.47	12.43
CA_12B	Band 12	5M	711	23130	1	0	Band 12	10M	733.8	5058	18.13	18.07

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CA_38C	Band 38	20M	2610	38150	1	50	Band 38	20M	2590.2	37952	13.98	13.92
CA_41C	Band 41	20M	2645	41140	1	50	Band 41	20M	2625.2	40942	14.32	14.42
Receiver off + BT												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1900	19100	1	0	Band 2	20M	1960.2	902	18.96	18.9
CA_5B	Band 5	10M	829	20450	1	0	Band 5	10M	883.9	2549	21.51	21.54
CA_7C	Band 7	20M	2510	20850	1	99	Band 7	20M	2649.8	3048	16.01	15.92
CA_12B	Band 12	5M	711	23130	50	0	Band 12	10M	733.8	5058	21.02	21.11
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	16.95	16.88
CA_41C	Band 41	20M	2645	41140	1	99	Band 41	20M	2625.2	40942	17.27	17.18
Receiver on(Left head) + WiFi2.4G Ant1												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1900	19100	1	99	Band 2	20M	1960.2	902	14.47	14.45
CA_5B	Band 5	10M	829	20450	50	0	Band 5	10M	883.9	2549	16.45	16.46
CA_7C	Band 7	20M	2510	20850	100	0	Band 7	20M	2649.8	3048	12.30	12.39
CA_12B	Band 12	5M	711	23130	1	49	Band 12	10M	733.8	5058	17.70	17.65
CA_38C	Band 38	20M	2610	38150	1	50	Band 38	20M	2590.2	37952	14.06	14.06
CA_41C	Band 41	20M	2645	41140	1	50	Band 41	20M	2625.2	40942	13.69	13.72
Receiver on(Right head) + WiFi2.4G Ant1												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	50	Band 2	20M	1879.8	18898	12.54	12.58
CA_5B	Band 5	10M	829	20450	1	0	Band 5	10M	883.9	2549	16.51	16.49
CA_7C	Band 7	20M	2560	21350	1	50	Band 7	20M	2660.2	3152	11.65	11.62
CA_12B	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	17.05	17.1
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	12.90	12.94
CA_41C	Band 41	20M	2645	41140	1	0	Band 41	20M	2625.2	40942	13.18	13.11
Receiver off + WiFi2.4G Ant1												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	0	Band 2	20M	1879.8	18898	17.87	17.85
CA_5B	Band 5	10M	829	20450	1	0	Band 5	10M	883.9	2549	20.61	20.51
CA_7C	Band 7	20M	2510	20850	1	0	Band 7	20M	2649.8	3048	15.03	14.95
CA_12B	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	20.06	20.02

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CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	15.78	15.83
CA_41C	Band 41	20M	2645	41140	1	99	Band 41	20M	2625.2	40942	16.23	16.13
Receiver on(Left head) + WiFi5G Ant1/Ant2/MIMO												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	50	Band 2	20M	1879.8	18898	12.27	12.37
CA_5B	Band 5	10M	829	20450	1	50	Band 5	10M	883.9	2549	14.48	14.44
CA_7C	Band 7	20M	2560	21350	1	0	Band 7	20M	2660.2	3152	10.59	10.49
CA_12B	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	15.53	15.61
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	11.78	11.77
CA_41C	Band 41	20M	2645	41140	1	50	Band 41	20M	2625.2	40942	11.61	11.66
Receiver on(Right head) + WiFi5G Ant1/Ant2/MIMO												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	0	Band 2	20M	1879.8	18898	10.41	10.39
CA_5B	Band 5	10M	829	20450	1	0	Band 5	10M	883.9	2549	14.58	14.66
CA_7C	Band 7	20M	2510	20850	1	0	Band 7	20M	2649.8	3048	9.79	9.87
CA_12B	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	15.16	15.1
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	10.71	10.8
CA_41C	Band 41	20M	2645	41140	1	0	Band 41	20M	2625.2	40942	11.00	11.04
Receiver off + WiFi5G Ant1/Ant2/MIMO												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	0	Band 2	20M	1879.8	18898	15.78	15.8
CA_5B	Band 5	10M	829	20450	1	0	Band 5	10M	883.9	2549	18.48	18.52
CA_7C	Band 7	20M	2510	20850	1	0	Band 7	20M	2649.8	3048	13.09	12.99
CA_12B	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	18.20	18.11
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	13.82	13.86
CA_41C	Band 41	20M	2645	41140	1	50	Band 41	20M	2625.2	40942	14.22	14.24
Receiver on (Left head) + BT + WiFi5G Ant1/Ant2/MIMO												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	50	Band 2	20M	1879.8	18898	12.31	12.37
CA_5B	Band 5	10M	829	20450	1	50	Band 5	10M	883.9	2549	14.40	14.44
CA_7C	Band 7	20M	2560	21350	1	0	Band 7	20M	2660.2	3152	10.54	10.49
CA_12B	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	15.60	15.61

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CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	11.73	11.77
CA_41C	Band 41	20M	2645	41140	1	50	Band 41	20M	2625.2	40942	11.75	11.66
Receiver on(Right head) + BT + WiFi5G Ant1/Ant2/MIMO												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	0	Band 2	20M	1879.8	18898	10.47	10.39
CA_5B	Band 5	10M	829	20450	1	0	Band 5	10M	883.9	2549	14.72	14.66
CA_7C	Band 7	20M	2510	20850	1	0	Band 7	20M	2649.8	3048	9.80	9.87
CA_12B	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	15.12	15.1
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	10.71	10.8
CA_41C	Band 41	20M	2645	41140	1	0	Band 41	20M	2625.2	40942	11.13	11.04
Receiver off + BT + WiFi5G Ant1/Ant2/MIMO												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	0	Band 2	20M	1879.8	18898	15.90	15.8
CA_5B	Band 5	10M	829	20450	1	0	Band 5	10M	883.9	2549	18.52	18.52
CA_7C	Band 7	20M	2510	20850	1	0	Band 7	20M	2649.8	3048	13.00	12.99
CA_12B	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	18.14	18.11
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	13.80	13.86
CA_41C	Band 41	20M	2645	41140	1	50	Band 41	20M	2625.2	40942	14.23	14.24
Receiver on(Left head) + WiFi2.4G Ant1 + WiFi5G Ant2												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1900	19100	1	99	Band 2	20M	1960.2	902	14.39	14.45
CA_5B	Band 5	10M	829	20450	50	0	Band 5	10M	883.9	2549	16.42	16.46
CA_7C	Band 7	20M	2510	20850	100	0	Band 7	20M	2649.8	3048	12.39	12.39
CA_12B	Band 12	5M	711	23130	1	49	Band 12	10M	733.8	5058	17.74	17.65
CA_38C	Band 38	20M	2610	38150	1	50	Band 38	20M	2590.2	37952	14.12	14.06
CA_41C	Band 41	20M	2645	41140	1	50	Band 41	20M	2625.2	40942	13.76	13.72
Receiver on(Right head) + WiFi2.4G Ant1 + WiFi5G Ant2												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	50	Band 2	20M	1879.8	18898	12.56	12.58
CA_5B	Band 5	10M	829	20450	1	0	Band 5	10M	883.9	2549	16.50	16.49
CA_7C	Band 7	20M	2560	21350	1	50	Band 7	20M	2660.2	3152	11.66	11.62
CA_12B	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	17.01	17.1

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CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	12.96	12.94
CA_41C	Band 41	20M	2645	41140	1	0	Band 41	20M	2625.2	40942	13.03	13.11
Receiver off + WiFi2.4G Ant1 + WiFi5G Ant2												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2C	Band 2	20M	1860	18700	1	0	Band 2	20M	1879.8	18898	15.79	15.8
CA_5B	Band 5	10M	829	20450	1	0	Band 5	10M	883.9	2549	18.56	18.52
CA_7C	Band 7	20M	2510	20850	1	0	Band 7	20M	2649.8	3048	13.04	12.99
CA_12B	Band 12	5M	711	23130	25	25	Band 12	10M	733.8	5058	18.06	18.11
CA_38C	Band 38	20M	2610	38150	1	99	Band 38	20M	2590.2	37952	13.84	13.86
CA_41C	Band 41	20M	2645	41140	1	50	Band 41	20M	2625.2	40942	14.16	14.24

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4x4MIMO-ANT2

Full Power ANT2													
DL LTE CA Class	PCC						SCC				DL Antenna Configurati on	Power	
	LTE Band	BW (MH z)	Freq. (MH z)	Chann el	UL # RB	UL RB Offs et	LTE Band	BW (MH z)	Freq. (MH z)	Chann el		LTE Rel 10 Tx.Power(dB m)	LTE Rel 8 Tx.Power(dB m)
CA_7 C	Band 7	20M	2510	20850	1	99	Band 7	20M	2649. 8	3048	4*4 MIMO	22.78	22.76

Interband-ANT2

Full Power ANT2													
DL LTE CA Class	PCC						SCC					Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel		LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2A-5A	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450		23.67	23.63
	Band 5	10M	829	20450	1	0	Band 2	20	700	1940		23.72	23.71
CA_2A-12A	Band 2A	20M	1860	18700	1	0	Band 12A	5M	701.5	5035		23.43	23.63
CA_2A-12B	Band 2A	20M	1860	18700	1	0	Band 12B	10M	739	5780		23.67	23.63
CA_2A-17A	Band 2	20M	1860	18700	1	0	Band 17	10M	739	5780		23.67	23.63
CA_4A-5A	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450		23.94	23.98
	Band 5	10M	829	20450	1	0	Band 4	20	2120	2050		23.72	23.71
CA_4A-12A	Band 4	20M	1720	20050	1	0	Band 12	10M	739	5780		23.94	23.98
CA_4A-17A	Band 4	20M	1720	20050	1	0	Band 17	10M	739	5780		23.94	23.98
CA_5A-7A	Band 5	10M	829	20450	1	0	Band 7	20M	2630	2850		23.72	23.71
	Band 7	20M	2510	20850	1	99	Band 5	10M	874	2450		22.78	22.76
CA_7A-12A	Band 7	20M	2510	20850	1	99	Band 12	10M	739	5780		22.78	22.76

Receiver on(Left head) ANT2

DL LTE CA Class	PCC						SCC					Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel		LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2A-5A	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450		17.58	17.68
	Band 5	10M	829	20450	25	25	Band 2	20	700	1940		19.74	19.69
CA_2A-12A	Band 2A	20M	1860	18700	1	0	Band 12A	5M	701.5	5035		17.35	17.68
CA_2A-12B	Band 2	20M	1860	18700	1	0	Band 12B	10M	741	5130		17.58	17.68
CA_2A-17A	Band 2	20M	1860	18700	1	0	Band 17	10M	739	5780		17.58	17.68
CA_4A-5A	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450		20.42	20.47
	Band 5	10M	829	20450	25	25	Band 4	20	2120	2050		19.74	19.69
CA_4A-12A	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130		20.42	20.47
CA_4A-17A	Band 4	20M	1720	20050	1	0	Band 17	10M	739	5780		20.42	20.47
CA_5A-7A	Band 5	10M	829	20450	25	25	Band 7	20M	2630	2850		19.74	19.69
	Band 7	20M	2560	21350	1	99	Band 5	10M	874	2450		15.95	15.89

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CA_7A-12A	Band 7	20M	2560	21350	1	99	Band 12	10M	741	5130	15.95	15.89
Receiver on(Right head) ANT2												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2A-5A	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450	15.55	15.65
	Band 5	10M	829	20450	25	13	Band 2	20	700	1940	19.67	19.62
CA_2A-12A	Band 2A	20M	1860	18700	1	0	Band 12A	5M	701.5	5035	15.38	15.65
CA_2A-12B	Band 2	20M	1860	18700	1	0	Band 12B	10M	741	5130	15.55	15.65
CA_2A-17A	Band 2	20M	1860	18700	1	0	Band 17	10M	741	5800	15.55	15.65
CA_4A-5A	Band 4	20M	1720	20050	50	25	Band 5	10M	874	2450	17.94	17.98
	Band 5	10M	829	20450	25	13	Band 4	20	2120	2050	19.67	19.62
CA_4A-12A	Band 4	20M	1720	20050	50	25	Band 12	10M	741	5130	17.94	17.98
CA_4A-17A	Band 4	20M	1720	20050	50	25	Band 17	10M	741	5800	17.94	17.98
CA_5A-7A	Band 5	10M	829	20450	25	13	Band 7	20M	2630	2850	19.67	19.62
	Band 7	20M	2560	21350	1	99	Band 5	10M	874	2450	14.95	14.89
CA_7A-12A	Band 7	20M	2560	21350	1	99	Band 12	10M	741	5130	14.95	14.89
Receiver off ANT2												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2A-5A	Band 2	20M	1860	18700	100	0	Band 5	10M	874	2450	21.16	21.07
	Band 5	10M	829	20450	1	0	Band 2	20M	700	1940	23.62	23.71
CA_2A-12A	Band 2A	20M	1860	18700	1	0	Band 12A	5M	701.5	5035	21.01	21.07
CA_2A-12B	Band 2	20M	1860	18700	100	0	Band 12B	10M	741	5130	21.16	21.07
CA_2A-17A	Band 2	20M	1860	18700	100	0	Band 17	10M	739	5780	21.16	21.07
CA_4A-5A	Band 4	20M	829	20450	50	0	Band 5	10M	874	2450	21.52	21.48
	Band 5	10M	829	20450	1	0	Band 4	20M	2120	2050	23.62	23.71
CA_4A-12A	Band 4	20M	829	20450	50	0	Band 12	10M	741	5130	21.52	21.48
CA_4A-17A	Band 4	20M	829	20450	50	0	Band 17	10M	739	5780	21.52	21.48
CA_5A-7A	Band 5	10M	829	20450	1	0	Band 7	20M	2630	2850	23.62	23.71
	Band 7	20M	2510	20850	1	99	Band 5	10M	874	2450	18.37	18.28
CA_7A-12A	Band 7	20M	2510	20850	1	99	Band 12	10M	741	5130	18.37	18.28
Receiver off + hotspot 2.4G ANT2												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2A-5A	Band 2	20M	1860	18700	1	50	Band 5	10M	874	2450	18.33	18.37
	Band 5	10M	829	20450	1	0	Band 2	20M	700	1940	20.63	20.58
CA_2A-12A	Band 2A	20M	1860	18700	1	0	Band 12A	5M	701.5	5035	18.28	18.37
CA_2A-12B	Band 2	20M	1860	18700	1	50	Band 12B	10M	741	5130	18.33	18.37

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CA_2A-17A	Band 2	20M	1860	18700	1	50	Band 17	10M	739	5780	18.33	18.37
CA_4A-5A	Band 4	20M	1720	20050	50	0	Band 5	10M	874	2450	18.44	18.49
	Band 5	10M	1720	20450	1	0	Band 4	20M	2120	2050	20.63	20.58
CA_4A-12A	Band 4	20M	1860	20050	50	0	Band 12	10M	741	5130	18.44	18.49
CA_4A-17A	Band 4	20M	1720	20050	50	0	Band 17	10M	739	5780	18.44	18.49
CA_5A-7A	Band 5	10M	829	20450	1	0	Band 7	20M	2630	2850	20.63	20.58
	Band 7	20M	2510	20850	1	0	Band 5	10M	874	2450	15.34	15.3
CA_7A-12A	Band 7	20M	2510	20850	1	0	Band 12	10M	741	5130	15.34	15.3
Receiver off + hotspot 5G ANT2												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2A-5A	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450	16.18	16.14
	Band 5	10M	829	20450	25	0	Band 2	20M	700	1940	18.58	18.56
CA_2A-12A	Band 2A	20M	1860	18700	1	0	Band 12A	5M	701.5	5035	16.02	16.14
CA_2A-12B	Band 2	20M	1860	18700	1	0	Band 12B	10M	741	5130	16.18	16.14
CA_2A-17A	Band 2	20M	1860	18700	1	0	Band 17	10M	741	5800	16.18	16.14
CA_4A-5A	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	16.42	16.49
	Band 5	10M	1720	20450	25	0	Band 4	20M	2120	2050	18.58	18.56
CA_4A-12A	Band 4	20M	1860	20050	1	0	Band 12	10M	741	5130	16.42	16.49
CA_4A-17A	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	16.42	16.49
CA_5A-7A	Band 5	10M	829	20450	25	0	Band 7	20M	2630	2850	18.58	18.56
	Band 7	20M	2510	20850	1	0	Band 5	10M	874	2450	13.24	13.23
CA_7A-12A	Band 7	20M	2510	20850	1	0	Band 12	10M	741	5130	13.24	13.23
Receiver on(Left head) + hotspot 2.4G												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2A-5A	Band 2	20M	1900	19100	1	0	Band 5	10M	889	2600	14.41	14.37
	Band 5	10M	844	20600	1	25	Band 2	20M	1980	1100	17.48	17.43
CA_2A-12A	Band 2A	20M	1860	18700	1	0	Band 12A	5M	701.5	5035	14.28	14.37
CA_2A-12B	Band 2	20M	1900	19100	1	0	Band 12B	10M	741	5130	14.41	14.37
CA_2A-17A	Band 2	20M	1900	19100	1	0	Band 17	10M	741	5800	14.41	14.37
CA_4A-5A	Band 4	20M	1720	20050	1	0	Band 5	10M	889	2600	17.39	17.43
	Band 5	10M	844	20600	1	25	Band 4	20M	2120	2050	17.48	17.43
CA_4A-12A	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	17.39	17.43
CA_4A-17A	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	17.39	17.43
CA_5A-7A	Band 5	10M	844	20600	1	25	Band 7	20M	2680	3350	17.48	17.43
	Band 7	20M	2560	21350	1	50	Band 5	10M	889	2600	12.61	12.65
CA_7A-12A	Band 7	20M	2560	21350	1	50	Band 12	10M	741	5130	12.61	12.65
Receiver on(Right head) + hotspot 2.4G												
DL LTE CA	PCC						SCC				Power	

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Class	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2A-5A	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450	12.25	12.35
	Band 5	10M	829	20450	1	25	Band 2	20M	700	1940	16.75	16.69
CA_2A-12A	Band 2A	20M	1860	18700	1	0	Band 12A	5M	701.5	5035	12.13	12.35
CA_2A-12B	Band 2	20M	1860	18700	1	0	Band 12B	10M	741	5130	12.25	12.35
CA_2A-17A	Band 2	20M	1860	18700	1	0	Band 17	10M	739	5780	12.25	12.35
CA_4A-5A	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	14.79	14.83
	Band 5	10M	829	20450	1	25	Band 4	20M	2120	2050	16.75	16.69
CA_4A-12A	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	14.79	14.83
CA_4A-17A	Band 4	20M	1720	20050	1	0	Band 17	10M	739	5780	14.79	14.83
CA_5A-7A	Band 5	10M	829	20450	1	25	Band 7	20M	2630	2850	16.75	16.69
	Band 7	20M	2510	20850	1	50	Band 5	10M	874	2450	11.64	11.6
CA_7A-12A	Band 7	20M	2510	20850	1	50	Band 12	10M	741	5130	11.64	11.6

Receiver on(Left head) + hotspot 5G

DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2A-5A	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450	12.33	12.36
	Band 5	10M	829	20450	1	0	Band 2	20M	700	1940	14.68	14.59
CA_2A-12A	Band 2A	20M	1860	18700	1	0	Band 12A	5M	701.5	5035	12.22	12.36
CA_2A-12B	Band 2	20M	1860	18700	1	0	Band 12B	10M	741	5130	12.33	12.36
CA_2A-17A	Band 2	20M	1860	18700	1	0	Band 17	10M	741	5800	12.33	12.36
CA_4A-5A	Band 4	20M	1720	20050	50	0	Band 5	10M	874	2450	15.32	15.37
	Band 5	10M	829	20450	1	0	Band 4	20M	2120	2050	14.68	14.59
CA_4A-12A	Band 4	20M	1720	20050	50	0	Band 12	10M	741	5130	15.32	15.37
CA_4A-17A	Band 4	20M	1720	20050	50	0	Band 17	10M	741	5800	15.32	15.37
CA_5A-7A	Band 5	10M	829	20450	1	0	Band 7	20M	2560	3350	14.68	14.59
	Band 7	20M	2560	21350	1	99	Band 5	10M	874	2450	10.44	10.53
CA_7A-12A	Band 7	20M	2560	21350	1	99	Band 12	10M	741	5130	10.44	10.53

Receiver on(Right head) + hotspot 5G

DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2A-5A	Band 2	20M	1900	19100	1	0	Band 5	10M	874	2450	10.36	10.36
	Band 5	10M	829	20450	25	13	Band 2	20M	1980	1100	14.53	14.48
CA_2A-12A	Band 2A	20M	1860	18700	1	0	Band 12A	5M	701.5	5035	10.25	10.36
CA_2A-12B	Band 2	20M	1900	19100	1	0	Band 12B	10M	741	5130	10.36	10.36
CA_2A-17A	Band 2	20M	1900	19100	1	0	Band 17	10M	741	5800	10.36	10.36
CA_4A-5A	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	11.86	12.91
	Band 5	10M	829	20450	25	13	Band 4	20M	2120	2050	14.53	14.48

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CA_4A-12A	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	11.86	12.91
CA_4A-17A	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	11.86	12.91
CA_5A-7A	Band 5	10M	829	20450	25	13	Band 7	20M	2560	3350	14.53	14.48
	Band 7	20M	2560	21350	50	0	Band 5	10M	874	2450	9.84	9.93
CA_7A-12A	Band 7	20M	2560	21350	50	0	Band 12	10M	741	5130	9.84	9.93

Receiver on(Left head) + BT

DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2A-5A	Band 2	20M	1900	19100	1	50	Band 5	10M	874	2450	15.37	15.33
	Band 5	10M	844	20600	25	25	Band 2	20M	1980	1100	17.47	17.45
CA_2A-12A	Band 2A	20M	1860	18700	1	0	Band 12A	5M	701.5	5035	15.28	15.33
CA_2A-12B	Band 2	20M	1900	19100	1	50	Band 12B	10M	741	5130	15.37	15.33
CA_2A-17A	Band 2	20M	1900	19100	1	50	Band 17	10M	741	5800	15.37	15.33
CA_4A-5A	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	15.94	15.95
	Band 5	10M	844	20600	25	25	Band 4	20M	2120	2050	17.47	17.45
CA_4A-12A	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	15.94	15.95
CA_4A-17A	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	15.94	15.95
CA_5A-7A	Band 5	10M	844	20600	25	25	Band 7	20M	2630	2850	17.47	17.45
	Band 7	20M	2510	20850	1	50	Band 5	10M	874	2450	13.69	13.68
CA_7A-12A	Band 7	20M	2510	20850	1	50	Band 12	10M	741	5130	13.69	13.68

Receiver on(Right head) + BT

DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2A-5A	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450	13.37	13.39
	Band 5	10M	829	20450	25	0	Band 2	20M	700	1940	17.40	17.49
CA_2A-12A	Band 2A	20M	1860	18700	1	0	Band 12A	5M	701.5	5035	13.25	13.39
CA_2A-12B	Band 2	20M	1860	18700	1	0	Band 12B	10M	741	5130	13.37	13.39
CA_2A-17A	Band 2	20M	1860	18700	1	0	Band 17	10M	741	5800	13.37	13.39
CA_4A-5A	Band 4	20M	1720	20050	1	50	Band 5	10M	874	2450	15.81	15.76
	Band 5	10M	829	20450	25	0	Band 4	20M	2120	2050	17.40	17.49
CA_4A-12A	Band 4	20M	1720	20050	1	50	Band 12	10M	741	5130	15.81	15.76
CA_4A-17A	Band 4	20M	1720	20050	1	50	Band 17	10M	741	5800	15.81	15.76
CA_5A-7A	Band 5	10M	829	20450	25	0	Band 7	20M	2630	2850	17.40	17.49
	Band 7	20M	2510	20850	50	0	Band 5	10M	874	2450	12.47	12.43
CA_7A-12A	Band 7	20M	2510	20850	50	0	Band 12	10M	741	5130	12.47	12.43

Receiver off + BT

DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)

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CA_2A-5A	Band 2	20M	1900	19100	1	0	Band 5	10M	874	2450	18.96	18.9
	Band 5	10M	829	20450	1	0	Band 2	20M	1980	1100	21.51	21.54
CA_2A-12A	Band 2A	20M	1860	18700	1	0	Band 12A	5M	701.5	5035	18.78	18.9
CA_2A-12B	Band 2	20M	1900	19100	1	0	Band 12B	10M	741	5130	18.96	18.9
CA_2A-17A	Band 2	20M	1900	19100	1	0	Band 17	10M	741	5800	18.96	18.9
CA_4A-5A	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	19.42	19.46
	Band 5	10M	829	20450	1	0	Band 4	20M	2120	2050	21.51	21.54
CA_4A-12A	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	19.42	19.46
CA_4A-17A	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	19.42	19.46
CA_5A-7A	Band 5	10M	829	20450	1	0	Band 7	20M	2630	2850	21.51	21.54
	Band 7	20M	2510	20850	1	99	Band 5	10M	874	2450	16.01	15.92
CA_7A-12A	Band 7	20M	2510	20850	1	99	Band 12	10M	741	5130	16.01	15.92

Receiver on(Left head) + WiFi2.4G Ant1

DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2A-5A	Band 2	20M	1900	19100	1	99	Band 5	10M	874	2450	14.47	14.45
	Band 5	10M	829	20450	50	0	Band 2	20M	1980	1100	16.45	16.46
CA_2A-12A	Band 2A	20M	1860	18700	1	0	Band 12A	5M	701.5	5035	14.35	14.45
CA_2A-12B	Band 2	20M	1900	19100	1	99	Band 12B	10M	741	5130	14.47	14.45
CA_2A-17A	Band 2	20M	1900	19100	1	99	Band 17	10M	741	5800	14.47	14.45
CA_4A-5A	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	17.31	17.35
	Band 5	10M	829	20450	50	0	Band 4	20M	2120	2050	16.45	16.46
CA_4A-12A	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	17.31	17.35
CA_4A-17A	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	17.31	17.35
CA_5A-7A	Band 5	10M	829	20450	50	0	Band 7	20M	2630	2850	16.45	16.46
	Band 7	20M	2510	20850	100	0	Band 5	10M	874	2450	12.30	12.39
CA_7A-12A	Band 7	20M	2510	20850	100	0	Band 12	10M	741	5130	12.30	12.39

Receiver on(Right head) + WiFi2.4G Ant1

DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2A-5A	Band 2	20M	1860	18700	1	50	Band 5	10M	874	2450	12.54	12.58
	Band 5	10M	829	20450	1	0	Band 2	20M	700	1940	16.51	16.49
CA_2A-12A	Band 2A	20M	1860	18700	1	0	Band 12A	5M	701.5	5035	12.49	12.58
CA_2A-12B	Band 2	20M	1860	18700	1	50	Band 12B	10M	741	5130	12.54	12.58
CA_2A-17A	Band 2	20M	1860	18700	1	50	Band 17	10M	741	5800	12.54	12.58
CA_4A-5A	Band 4	20M	1720	20050	1	50	Band 5	10M	874	2450	14.92	14.98
	Band 5	10M	829	20450	1	0	Band 4	20M	2120	2050	16.51	16.49
CA_4A-12A	Band 4	20M	1720	20050	1	50	Band 12	10M	741	5130	14.92	14.98
CA_4A-17A	Band 4	20M	1720	20050	1	50	Band 17	10M	741	5800	14.92	14.98
CA_5A-7A	Band 5	10M	829	20450	1	0	Band 7	20M	2680	3350	16.51	16.49

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	Band 7	20M	2560	21350	1	50	Band 5	10M	874	2450	11.65	11.62
CA_7A-12A	Band 7	20M	2560	21350	1	50	Band 12	10M	741	5130	11.65	11.62
Receiver off + WiFi2.4G Ant1												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2A-5A	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450	17.87	17.85
	Band 5	10M	829	20450	1	0	Band 2	20M	700	1940	20.61	20.51
CA_2A-12A	Band 2A	20M	1860	18700	1	0	Band 12A	5M	701.5	5035	17.82	17.85
CA_2A-12B	Band 2	20M	1860	18700	1	0	Band 12B	10M	741	5130	17.87	17.85
CA_2A-17A	Band 2	20M	1860	18700	1	0	Band 17	10M	741	5800	17.87	17.85
CA_4A-5A	Band 4	20M	1720	20050	1	50	Band 5	10M	874	2450	18.39	18.44
	Band 5	10M	829	20450	1	0	Band 4	20M	2120	2050	20.61	20.51
CA_4A-12A	Band 4	20M	1720	20050	1	50	Band 12	10M	741	5130	18.39	18.44
CA_4A-17A	Band 4	20M	1720	20050	1	50	Band 17	10M	741	5800	18.39	18.44
CA_5A-7A	Band 5	10M	829	20450	1	0	Band 7	20M	2630	2850	20.61	20.51
	Band 7	20M	2510	20850	1	0	Band 5	10M	874	2450	15.03	14.95
CA_7A-12A	Band 7	20M	2510	20850	1	0	Band 12	10M	741	5130	15.03	14.95
Receiver on(Left head) + WiFi5G Ant1/Ant2/MIMO												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2A-5A	Band 2	20M	1860	18700	1	50	Band 5	10M	874	2450	12.27	12.37
	Band 5	10M	829	20450	1	50	Band 2	20M	700	1940	14.48	14.44
CA_2A-12A	Band 2A	20M	1860	18700	1	0	Band 12A	5M	701.5	5035	12.31	12.37
CA_2A-12B	Band 2	20M	1860	18700	1	50	Band 12B	10M	741	5130	12.27	12.37
CA_2A-17A	Band 2	20M	1860	18700	1	50	Band 17	10M	741	5800	12.27	12.37
CA_4A-5A	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	15.39	15.43
	Band 5	10M	829	20450	1	50	Band 4	20M	2120	2050	14.48	14.44
CA_4A-12A	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	15.39	15.43
CA_4A-17A	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	15.39	15.43
CA_5A-7A	Band 5	10M	829	20450	1	50	Band 7	20M	2680	3350	14.48	14.44
	Band 7	20M	2560	21350	1	0	Band 5	10M	874	2450	10.59	10.49
CA_7A-12A	Band 7	20M	2560	21350	1	0	Band 12	10M	741	5130	10.59	10.49
Receiver on(Right head) + WiFi5G Ant1/Ant2/MIMO												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2A-5A	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450	10.41	10.39
	Band 5	10M	829	20450	1	0	Band 2	20M	700	1940	14.58	14.66
CA_2A-12A	Band 2A	20M	1860	18700	1	0	Band 12A	5M	701.5	5035	10.32	10.39

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CA_2A-12B	Band 2	20M	1860	18700	1	0	Band 12B	10M	741	5130	10.41	10.39
CA_2A-17A	Band 2	20M	1860	18700	1	0	Band 17	10M	741	5800	10.41	10.39
CA_4A-5A	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	12.92	12.97
	Band 5	10M	829	20450	1	0	Band 4	20M	2120	2050	14.58	14.66
CA_4A-12A	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	12.92	12.97
CA_4A-17A	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	12.92	12.97
CA_5A-7A	Band 5	10M	829	20450	1	0	Band 7	20M	2850	2630	14.58	14.66
	Band 7	20M	2510	20850	1	0	Band 5	10M	874	2450	9.79	9.87
CA_7A-12A	Band 7	20M	2510	20850	1	0	Band 12	10M	741	5130	9.79	9.87

Receiver off + WiFi5G Ant1/Ant2/MIMO

DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2A-5A	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450	15.78	15.8
	Band 5	10M	829	20450	1	0	Band 2	20M	700	1940	18.48	18.52
CA_2A-12A	Band 2A	20M	1860	18700	1	0	Band 12A	5M	701.5	5035	15.62	15.8
CA_2A-12B	Band 2	20M	1860	18700	1	0	Band 12B	10M	741	5130	15.78	15.8
CA_2A-17A	Band 2	20M	1860	18700	1	0	Band 17	10M	741	5800	15.78	15.8
CA_4A-5A	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	16.36	16.4
	Band 5	10M	829	20450	1	0	Band 4	20M	2120	2050	18.48	18.52
CA_4A-12A	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	16.36	16.4
CA_4A-17A	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	16.36	16.4
CA_5A-7A	Band 5	10M	829	20450	1	0	Band 7	20M	2850	2630	18.48	18.52
	Band 7	20M	2510	20850	1	0	Band 5	10M	874	2450	13.09	12.99
CA_7A-12A	Band 7	20M	2510	20850	1	0	Band 12	10M	741	5130	13.09	12.99

Receiver on(Left head) + BT + WiFi5G Ant1/Ant2/MIMO

DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2A-5A	Band 2	20M	1860	18700	1	50	Band 5	10M	874	2450	12.27	12.37
	Band 5	10M	829	20450	1	50	Band 2	20M	700	1940	14.48	14.44
CA_2A-12A	Band 2A	20M	1860	18700	1	0	Band 12A	5M	701.5	5035	12.16	12.37
CA_2A-12B	Band 2	20M	1860	18700	1	50	Band 12B	10M	741	5130	12.27	12.37
CA_2A-17A	Band 2	20M	1860	18700	1	50	Band 17	10M	741	5800	12.27	12.37
CA_4A-5A	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	15.39	15.43
	Band 5	10M	829	20450	1	50	Band 4	20M	2120	2050	14.48	14.44
CA_4A-12A	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	15.39	15.43
CA_4A-17A	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	15.39	15.43
CA_5A-7A	Band 5	10M	829	20450	1	50	Band 7	20M	2680	3350	14.48	14.44
	Band 7	20M	2560	21350	1	0	Band 5	10M	874	2450	10.59	10.49
CA_7A-12A	Band 7	20M	2560	21350	1	0	Band 12	10M	741	5130	10.59	10.49

Receiver on(Right head) + BT + WiFi5G Ant1/Ant2/MIMO

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DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2A-5A	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450	10.41	10.39
	Band 5	10M	829	20450	1	0	Band 2	20M	700	1940	14.58	14.66
CA_2A-12A	Band 2A	20M	1860	18700	1	0	Band 12A	5M	701.5	5035	10.27	10.39
CA_2A-12B	Band 2	20M	1860	18700	1	0	Band 12B	10M	741	5130	10.41	10.39
CA_2A-17A	Band 2	20M	1860	18700	1	0	Band 17	10M	741	5800	10.41	10.39
CA_4A-5A	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	12.92	12.97
	Band 5	10M	829	20450	1	0	Band 4	20M	2120	2050	14.58	14.66
CA_4A-12A	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	12.92	12.97
CA_4A-17A	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	12.92	12.97
CA_5A-7A	Band 5	10M	829	20450	1	0	Band 7	20M	2850	2630	14.58	14.66
	Band 7	20M	2510	20850	1	0	Band 5	10M	874	2450	9.79	9.87
CA_7A-12A	Band 7	20M	2510	20850	1	0	Band 12	10M	741	5130	9.79	9.87

Receiver off + BT + WiFi5G Ant1/Ant2/MIMO

DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2A-5A	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450	15.78	15.8
	Band 5	10M	829	20450	1	0	Band 2	20M	700	1940	18.48	18.52
CA_2A-12A	Band 2A	20M	1860	18700	1	0	Band 12A	5M	701.5	5035	15.63	15.8
CA_2A-12B	Band 2	20M	1860	18700	1	0	Band 12B	10M	741	5130	15.78	15.8
CA_2A-17A	Band 2	20M	1860	18700	1	0	Band 17	10M	741	5800	15.78	15.8
CA_4A-5A	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	16.36	16.4
	Band 5	10M	829	20450	1	0	Band 4	20M	2120	2050	18.48	18.52
CA_4A-12A	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	16.36	16.4
CA_4A-17A	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	16.36	16.4
CA_5A-7A	Band 5	10M	829	20450	1	0	Band 7	20M	2850	2630	18.48	18.52
	Band 7	20M	2510	20850	1	0	Band 5	10M	874	2450	13.09	12.99
CA_7A-12A	Band 7	20M	2510	20850	1	0	Band 12	10M	741	5130	13.09	12.99

Receiver on(Left head) + WiFi2.4G Ant1 + WiFi5G Ant2

DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2A-5A	Band 2	20M	1900	19100	1	99	Band 5	10M	874	2450	14.47	14.45
	Band 5	10M	829	20450	50	0	Band 2	20M	1980	1100	16.45	16.46
CA_2A-12A	Band 2A	20M	1860	18700	1	0	Band 12A	5M	701.5	5035	14.38	14.45
CA_2A-12B	Band 2	20M	1900	19100	1	99	Band 12B	10M	741	5130	14.47	14.45
CA_2A-17A	Band 2	20M	1900	19100	1	99	Band 17	10M	741	5800	14.47	14.45
CA_4A-5A	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	17.31	17.35

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	Band 5	10M	829	20450	50	0	Band 4	20M	2120	2050	16.45	16.46
CA_4A-12A	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	17.31	17.35
CA_4A-17A	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	17.31	17.35
CA_5A-7A	Band 5	10M	829	20450	50	0	Band 7	20M	2630	2850	16.45	16.46
	Band 7	20M	2510	20850	100	0	Band 5	10M	874	2450	12.30	12.39
CA_7A-12A	Band 7	20M	2510	20850	100	0	Band 12	10M	741	5130	12.30	12.39
Receiver on(Right head) + WiFi2.4G Ant1 + WiFi5G Ant2												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2A-5A	Band 2	20M	1860	18700	1	50	Band 5	10M	874	2450	12.54	12.58
	Band 5	10M	829	20450	1	0	Band 2	20M	700	1940	16.51	16.49
CA_2A-12A	Band 2A	20M	1860	18700	1	0	Band 12A	5M	701.5	5035	12.35	12.58
CA_2A-12B	Band 2	20M	1860	18700	1	50	Band 12B	10M	741	5130	12.54	12.58
CA_2A-17A	Band 2	20M	1860	18700	1	50	Band 17	10M	741	5800	12.54	12.58
CA_4A-5A	Band 4	20M	1720	20050	1	50	Band 5	10M	874	2450	14.92	14.98
	Band 5	10M	829	20450	1	0	Band 4	20M	2120	2050	16.51	16.49
CA_4A-12A	Band 4	20M	1720	20050	1	50	Band 12	10M	741	5130	14.92	14.98
CA_4A-17A	Band 4	20M	1720	20050	1	50	Band 17	10M	741	5800	14.92	14.98
CA_5A-7A	Band 5	10M	829	20450	1	0	Band 7	20M	2680	3350	16.51	16.49
	Band 7	20M	2560	21350	1	50	Band 5	10M	874	2450	11.65	11.62
CA_7A-12A	Band 7	20M	2560	21350	1	50	Band 12	10M	741	5130	11.65	11.62
Receiver off + WiFi2.4G Ant1 + WiFi5G Ant2												
DL LTE CA Class	PCC						SCC				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_2A-5A	Band 2	20M	1860	18700	1	0	Band 5	10M	874	2450	15.78	15.8
	Band 5	10M	829	20450	1	0	Band 2	20M	700	1940	18.48	18.52
CA_2A-12A	Band 2A	20M	1860	18700	1	0	Band 12A	5M	701.5	5035	15.54	15.8
CA_2A-12B	Band 2	20M	1860	18700	1	0	Band 12B	10M	741	5130	15.78	15.8
CA_2A-17A	Band 2	20M	1860	18700	1	0	Band 17	10M	741	5800	15.78	15.8
CA_4A-5A	Band 4	20M	1720	20050	1	0	Band 5	10M	874	2450	16.36	16.4
	Band 5	10M	829	20450	1	0	Band 4	20M	2120	2050	18.48	18.52
CA_4A-12A	Band 4	20M	1720	20050	1	0	Band 12	10M	741	5130	16.36	16.4
CA_4A-17A	Band 4	20M	1720	20050	1	0	Band 17	10M	741	5800	16.36	16.4
CA_5A-7A	Band 5	10M	829	20450	1	0	Band 7	20M	2850	2630	18.48	18.52
	Band 7	20M	2510	20850	1	0	Band 5	10M	874	2450	13.09	12.99
CA_7A-12A	Band 7	20M	2510	20850	1	0	Band 12	10M	741	5130	13.09	12.99

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3CC-ANT1

Full Power ANT1																
DL LTE CA Class	PCC						SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Chan nel	UL # RB	UL RB Offs et	LTE Band	BW (MHz)	Freq. (MHz)	Chan nel	LTE Band	BW (MHz)	Freq. (MHz)	Chan nel	LTE Rel 10 Tx.Power(d Bm)	LTE Rel 8 Tx.Power(d Bm)
CA_4 1D	Band 41	20M	260 0	40690	1	99	Band 41	20M	2619 .8	40888	Band 41	20M	2580 .2	40492	23.32	23.41
Hotspot 2.4G																
DL LTE CA Class	PCC						SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Chan nel	UL # RB	UL RB Offs et	LTE Band	BW (MHz)	Freq. (MHz)	Chan nel	LTE Band	BW (MHz)	Freq. (MHz)	Chan nel	LTE Rel 10 Tx.Power(d Bm)	LTE Rel 8 Tx.Power(d Bm)
CA_4 1D	Band 41	20M	260 0	40690	1	0	Band 41	20M	2619 .8	40888	Band 41	20M	2580 .2	40492	21.43	21.52

3CC-ANT2

Full Power ANT2																
DL LTE CA Class	PCC						SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Chan nel	UL # RB	UL RB Offs et	LTE Band	BW (MHz)	Freq. (MHz)	Chan nel	LTE Band	BW (MHz)	Freq. (MHz)	Chan nel	LTE Rel 10 Tx.Power(d Bm)	LTE Rel 8 Tx.Power(d Bm)
CA_41 D	Band 41	20M	260 0	40690	1	0	Band 41	20M	2619 .8	40888	Band 41	20M	2580 .2	40492	23.32	23.4
Receiver on(Left head)																
DL LTE CA Class	PCC						SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Chan nel	UL # RB	UL RB Offs et	LTE Band	BW (MHz)	Freq. (MHz)	Chan nel	LTE Band	BW (MHz)	Freq. (MHz)	Chan nel	LTE Rel 10 Tx.Power(d Bm)	LTE Rel 8 Tx.Power(d Bm)
CA_41 D	Band 41	20M	260 0	40690	1	0	Band 41	20M	2619 .8	40888	Band 41	20M	2580 .2	40492	16.63	16.68
Receiver on(Right head)																
DL LTE CA Class	PCC						SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Chan nel	UL # RB	UL RB Offs et	LTE Band	BW (MHz)	Freq. (MHz)	Chan nel	LTE Band	BW (MHz)	Freq. (MHz)	Chan nel	LTE Rel 10 Tx.Power(d Bm)	LTE Rel 8 Tx.Power(d Bm)
CA_41 D	Band 41	20M	260 0	40690	1	0	Band 41	20M	2619 .8	40888	Band 41	20M	2580 .2	40492	16.23	16.31
Receiver off																
DL LTE CA Class	PCC						SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Chan nel	UL # RB	UL RB Offs et	LTE Band	BW (MHz)	Freq. (MHz)	Chan nel	LTE Band	BW (MHz)	Freq. (MHz)	Chan nel	LTE Rel 10 Tx.Power(d Bm)	LTE Rel 8 Tx.Power(d Bm)
CA_41 D	Band 41	20M	260 0	40690	1	99	Band 41	20M	2619 .8	40888	Band 41	20M	2580 .2	40492	19.38	19.44
Receiver off + hotspot 2.4G																
DL LTE CA Class	PCC						SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Chan nel	UL # RB	UL RB Offs et	LTE Band	BW (MHz)	Freq. (MHz)	Chan nel	LTE Band	BW (MHz)	Freq. (MHz)	Chan nel	LTE Rel 10 Tx.Power(d Bm)	LTE Rel 8 Tx.Power(d Bm)
CA_41 D	Band 41	20M	264 5	41140	1	0	Band 41	20M	2625 .2	40942	Band 41	20M	2605 .4	40744	16.34	16.4
Receiver off + hotspot 5G																
DL	PCC						SCC1				SCC2				Power	

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LTE CA Class	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL # RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_41_D	Band 41	20M	2645	41140	1	0	Band 41	20M	2625.2	40942	Band 41	20M	2605.4	40744	14.4	14.42
Receiver on(Left head) + hotspot 2.4G																
Configure	PCC						SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL # RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_41_D	Band 41	20M	2600	41140	1	99	Band 41	20M	2625.2	40942	Band 41	20M	2605.4	40744	13.59	13.63
Receiver on(Right head) + hotspot 2.4G																
DL LTE CA Class	PCC						SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL # RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_41_D	Band 41	20M	2600	41140	1	50	Band 41	20M	2625.2	40942	Band 41	20M	2605.4	40744	13.2	13.24
Receiver on(Left head) + hotspot 5G																
DL LTE CA Class	PCC						SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL # RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_41_D	Band 41	20M	2600	41140	1	99	Band 41	20M	2625.2	40942	Band 41	20M	2605.4	40744	11.49	11.58
Receiver on(Right head) + hotspot 5G																
DL LTE CA Class	PCC						SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL # RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_41_D	Band 41	20M	2600	41140	1	50	Band 41	20M	2625.2	40942	Band 41	20M	2605.4	40744	11.09	11.13
Receiver on(Left head) + BT																
DL LTE CA Class	PCC						SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL # RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_41_D	Band 41	20M	2600	41140	1	50	Band 41	20M	2625.2	40942	Band 41	20M	2605.4	40744	14.6	14.63
Receiver on(Right head) + BT																
DL LTE CA Class	PCC						SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL # RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_41_D	Band 41	20M	2600	41140	1	50	Band 41	20M	2625.2	40942	Band 41	20M	2605.4	40744	14.35	14.42
Receiver off + BT																
DL LTE CA Class	PCC						SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq. (MHz)	Channel	UL # RB	UL RB Offset	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Band	BW (MHz)	Freq. (MHz)	Channel	LTE Rel 10 Tx.Power(dBm)	LTE Rel 8 Tx.Power(dBm)
CA_41_D	Band 41	20M	2600	41140	1	99	Band 41	20M	2625.2	40942	Band 41	20M	2605.4	40744	17.22	17.18
Receiver on(Left head) + WiFi2.4G Ant1																

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DL LTE CA Class	PCC						SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	UL # RB	UL RB Offs et	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	LTE Rel 10 Tx.Power(d Bm)	LTE Rel 8 Tx.Power(d Bm)
CA_41 D	Band 41	20M	260 0	41140	1	50	Band 41	20M	2625 .2	40942	Band 41	20M	2605 .4	40744	13.69	13.72
Receiver on(Right head) + WiFi2.4G Ant1																
DL LTE CA Class	PCC						SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	UL # RB	UL RB Offs et	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	LTE Rel 10 Tx.Power(d Bm)	LTE Rel 8 Tx.Power(d Bm)
CA_41 D	Band 41	20M	260 0	40690	1	50	Band 41	20M	2619 .8	40888	Band 41	20M	2580 .2	40492	13.32	13.34
Receiver off (body or limbs) + WiFi2.4G Ant1																
DL LTE CA Class	PCC						SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	UL # RB	UL RB Offs et	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	LTE Rel 10 Tx.Power(d Bm)	LTE Rel 8 Tx.Power(d Bm)
CA_41 D	Band 41	20M	260 0	41140	1	99	Band 41	20M	2625 .2	40942	Band 41	20M	2605 .4	40744	16.09	16.13
Receiver on(Left head) + WiFi5G Ant1/Ant2/MIMO																
DL LTE CA Class	PCC						SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	UL # RB	UL RB Offs et	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	LTE Rel 10 Tx.Power(d Bm)	LTE Rel 8 Tx.Power(d Bm)
CA_41 D	Band 41	20M	260 0	41140	1	50	Band 41	20M	2625 .2	40942	Band 41	20M	2605 .4	40744	11.63	11.66
Receiver on(Right head) + WiFi5G Ant1/Ant2/MIMO																
DL LTE CA Class	PCC						SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	UL # RB	UL RB Offs et	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	LTE Rel 10 Tx.Power(d Bm)	LTE Rel 8 Tx.Power(d Bm)
CA_41 D	Band 41	20M	260 0	40690	1	50	Band 41	20M	2619 .8	40888	Band 41	20M	2580 .2	40492	11.13	11.1
Receiver off (body or limbs) + WiFi5G Ant1/Ant2/MIMO																
DL LTE CA Class	PCC						SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	UL # RB	UL RB Offs et	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	LTE Rel 10 Tx.Power(d Bm)	LTE Rel 8 Tx.Power(d Bm)
CA_41 D	Band 41	20M	260 0	41140	1	50	Band 41	20M	2625 .2	40942	Band 41	20M	2605 .4	40744	14.26	14.24
Receiver on(Left head) + BT + WiFi5G Ant1/Ant2/MIMO																
DL LTE CA Class	PCC						SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	UL # RB	UL RB Offs et	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	LTE Rel 10 Tx.Power(d Bm)	LTE Rel 8 Tx.Power(d Bm)
CA_41 D	Band 41	20M	260 0	41140	1	50	Band 41	20M	2625 .2	40942	Band 41	20M	2605 .4	40744	11.63	11.66
Receiver on(Right head) + BT + WiFi5G Ant1/Ant2/MIMO																
DL LTE CA Class	PCC						SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	UL # RB	UL RB Offs et	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	LTE Rel 10 Tx.Power(d Bm)	LTE Rel 8 Tx.Power(d Bm)
CA_41 D	Band 41	20M	260 0	40690	1	50	Band 41	20M	2619 .8	40888	Band 41	20M	2580 .2	40492	11.13	11.1

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Receiver off + BT + WiFi5G Ant1/Ant2/MIMO																
DL LTE CA Class	PCC						SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	UL # RB	UL RB Offs et	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	LTE Rel 10 Tx.Power(d Bm)	LTE Rel 8 Tx.Power(d Bm)
CA_41 D	Band 41	20M	260 0	41140	1	50	Band 41	20M	2625 .2	40942	Band 41	20M	2605 .4	40744	14.26	14.24
Receiver on(Left head) + WiFi2.4G Ant1 + WiFi5G Ant2																
Config ure	PCC						SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	UL # RB	UL RB Offs et	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	LTE Rel 10 Tx.Power(d Bm)	LTE Rel 8 Tx.Power(d Bm)
CA_41 D	Band 41	20M	260 0	41140	1	50	Band 41	20M	2625 .2	40942	Band 41	20M	2605 .4	40744	11.63	11.66
Receiver on(Right head) + WiFi2.4G Ant1 + WiFi5G Ant2																
DL LTE CA Class	PCC						SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	UL # RB	UL RB Offs et	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	LTE Rel 10 Tx.Power(d Bm)	LTE Rel 8 Tx.Power(d Bm)
CA_41 D	Band 41	20M	260 0	40690	1	50	Band 41	20M	2619 .8	40888	Band 41	20M	2580 .2	40492	11.13	11.1
Receiver off + WiFi2.4G Ant1 + WiFi5G Ant2																
DL LTE CA Class	PCC						SCC1				SCC2				Power	
	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	UL # RB	UL RB Offs et	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	LTE Band	BW (MHz)	Freq (MHz)	Chan nel	LTE Rel 10 Tx.Power(d Bm)	LTE Rel 8 Tx.Power(d Bm)
CA_41 D	Band 41	20M	260 0	41140	1	50	Band 41	20M	2625 .2	40942	Band 41	20M	2605 .4	40744	14.26	14.24

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.

8.1.4 Conducted Power of WIFI and BT

WIFI2.4GHz Full Power							
Mode	Antenna	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11b	Ant1	1	2412	1	16.5	15.05	No
		6	2437		17.5	16.37	No
		11	2462		17.5	16.24	No
	Ant2	1	2412		15	13.70	No
		6	2437		15	13.90	No
		11	2462		15	13.83	No
802.11b	Ant1	1	2412	11	17	15.19	Yes
		6	2437		18	16.22	Yes
		11	2462		18	16.28	Yes
	Ant2	1	2412		15.5	13.65	Yes
		6	2437		15.5	13.99	Yes
		11	2462		15.5	13.76	Yes
802.11g	Ant1	1	2412	6	14.5	13.26	No
		6	2437		15.5	14.12	No
		11	2462		15.5	14.10	No
	Ant2	1	2412		13	11.13	No
		6	2437		13	11.34	No
		11	2462		13	11.28	No
802.11n HT20 SISO	Ant1	1	2412	6.5	13.5	12.16	No
		6	2437		14.5	13.23	No
		11	2462		14.5	12.90	No
	Ant2	1	2412		12	10.20	No
		6	2437		12	10.41	No
		11	2462		12	10.18	No

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WIFI2.4GHz receiver on (Left or Right Head) --Wifi only							
Mode	Antenna	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11b	Ant1	1	2412	1	12.5	11.78	Yes
		6	2437		13.5	12.84	Yes
		11	2462		13.5	12.65	Yes
	Ant2	1	2412		15	13.65	No
		6	2437		15	13.88	No
		11	2462		15	13.75	No
802.11b	Ant1	1	2412	11	12.5	11.51	No
		6	2437		13.5	12.21	No
		11	2462		13.5	12.18	No
	Ant2	1	2412		15.5	13.66	Yes
		6	2437		15.5	13.72	Yes
		11	2462		15.5	13.57	Yes
802.11g	Ant1	1	2412	6	12.5	11.53	No
		6	2437		13.5	12.18	No
		11	2462		13.5	12.10	No
	Ant2	1	2412		13	11.06	No
		6	2437		13	11.31	No
		11	2462		13	10.95	No
802.11n HT20 SISO	Ant1	1	2412	6.5	12.5	11.43	No
		6	2437		13.5	12.17	No
		11	2462		13.5	12.14	No
	Ant2	1	2412		12	10.04	No
		6	2437		12	10.25	No
		11	2462		12	10.09	No

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WIFI5GHz Ant1 Full Power							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	14	13.12	No
		40	5200		16.5	15.83	No
		44	5220		16.5	15.77	No
		48	5240		16.5	15.82	No
	U-NII-2A	52	5260		16.5	15.85	Yes
		56	5280		16.5	15.86	Yes
		60	5300		16.5	15.80	No
		64	5320		14	13.14	Yes
	U-NII-2C	100	5500		14	12.67	Yes
		104	5520		16.5	15.48	Yes
		108	5540		16.5	15.40	No
		112	5560		16.5	15.37	No
		116	5580		16.5	15.51	Yes
		120	5600		16.5	15.38	No
		124	5620		16.5	15.35	No
		128	5640		16.5	15.38	No
		132	5660		16.5	15.50	No
		136	5680		16.5	15.47	Yes
		140	5700		14	13.18	No
		144	5720		14	13.09	Yes
	U-NII-3	149	5745		16.5	15.12	Yes
		153	5765		16.5	15.19	No
		157	5785		16.5	15.21	Yes
		161	5805		16.5	14.93	No
		165	5825		16	14.87	Yes
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT20	U-NII-1	36	5180	MCS0	14	13.03	No
		40	5200		16.5	15.37	No
		44	5220		16.5	15.38	No
		48	5240		16.5	15.38	No
	U-NII-2A	52	5260		16.5	15.35	No
		56	5280		16.5	15.41	No
		60	5300		16.5	15.42	No
		64	5320		14	13.05	No
	U-NII-2C	100	5500		14	12.67	No
		104	5520		16.5	15.04	No
		108	5540		16.5	15.12	No
		112	5560		16.5	14.97	No
		116	5580		16.5	15.01	No
		120	5600		16.5	15.15	No

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	U-NII-3	124	5620		16.5	15.10	No
		128	5640		16.5	15.26	No
		132	5660		16.5	15.19	No
		136	5680		16.5	15.14	No
		140	5700		14	12.75	No
		144	5720		14	12.61	No
		149	5745		16.5	14.71	No
		153	5765		16.5	14.62	No
		157	5785		16.5	14.59	No
		161	5805		16.5	14.55	No
		165	5825		15.5	14.53	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT40	U-NII-1	38	5190	MCS0	11.5	10.56	No
		46	5230		14.5	13.27	No
	U-NII-2A	54	5270		14.5	13.44	No
		62	5310		11	10.72	No
	U-NII-2C	102	5510		11.5	10.30	No
		110	5550		14.5	13.07	No
		118	5590		14.5	13.05	No
		126	5630		14.5	13.07	No
		134	5670		14.5	13.21	No
		142	5710		11.5	10.27	No
	U-NII-3	151	5755		14.5	13.10	No
		159	5795		13.5	13.00	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 20M	U-NII-1	36	5180	MCS0	14	13.07	No
		40	5200		16.5	15.27	No
		44	5220		16.5	15.24	No
		48	5240		16.5	15.37	No
	U-NII-2A	52	5260		16.5	15.36	No
		56	5280		16.5	15.30	No
		60	5300		16.5	15.41	No
		64	5320		13.5	13.11	No
	U-NII-2C	100	5500		14	12.78	No
		104	5520		16.5	14.95	No
		108	5540		16.5	14.90	No
		112	5560		16.5	14.95	No
		116	5580		16.5	15.01	No
		120	5600		16.5	15.10	No
		124	5620		16.5	15.01	No
		128	5640		16.5	15.22	No
		132	5660		16.5	15.15	No
		136	5680		16.5	15.25	No

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	U-NII-3	140	5700		14	12.83	No
		144	5720		14	12.62	No
		149	5745		16.5	14.80	No
		153	5765		16.5	14.62	No
		157	5785		16.5	14.60	No
		161	5805		16.5	14.64	No
		165	5825		15.5	14.62	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 40M	U-NII-1	38	5190	MCS0	11.5	10.54	No
		46	5230		14.5	13.29	No
	U-NII-2A	54	5270		14.5	13.53	No
		62	5310		11.5	10.74	No
	U-NII-2C	102	5510		11.5	10.49	No
		110	5550		14.5	13.04	No
		118	5590		14.5	13.03	No
		126	5630		14.5	13.22	No
		134	5670		14.5	13.21	No
		142	5710		11.5	10.35	No
		151	5755		14.5	13.08	No
	U-NII-3	159	5795		13.5	12.97	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 80M	U-NII-1	42	5210	MCS0	11	9.56	No
	U-NII-2A	58	5290		11	9.59	No
	U-NII-2C	106	5530		11	9.31	No
		122	5610		13	12.02	No
	U-NII-3	138	5690		11	9.26	No
		155	5775		13	12.01	No

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WIFI5GHz Ant1 receiver on (Left or Right Head) --Wifi only							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	11.5	10.77	No
		40	5200		11.5	10.86	No
		44	5220		11.5	10.73	No
		48	5240		11.5	10.89	No
	U-NII-2A	52	5260		11.5	10.83	No
		56	5280		11.5	10.79	No
		60	5300		11.5	10.78	No
		64	5320		11.5	10.93	No
	U-NII-2C	100	5500		11.5	10.41	No
		104	5520		11.5	10.44	No
		108	5540		11.5	10.41	No
		112	5560		11.5	10.42	No
		116	5580		11.5	10.40	No
		120	5600		11.5	10.53	No
		124	5620		11.5	10.55	No
		128	5640		11.5	10.63	No
		132	5660		11.5	11.10	No
		136	5680		11.5	11.05	No
		140	5700		11.5	10.94	No
		144	5720		11.5	10.94	No
	U-NII-3	149	5745		11.5	10.61	No
		153	5765		11.5	10.42	No
		157	5785		11.5	10.41	No
		161	5805		11.5	10.43	No
		165	5825		11	10.42	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT20	U-NII-1	36	5180	MCS0	11.5	10.89	No
		40	5200		11.5	10.78	No
		44	5220		11.5	10.77	No
		48	5240		11.5	10.81	No
	U-NII-2A	52	5260		11.5	10.80	No
		56	5280		11.5	10.78	No
		60	5300		11.5	10.70	No
		64	5320		11.5	10.80	No
	U-NII-2C	100	5500		11.5	10.42	No
		104	5520		11.5	10.35	No
		108	5540		11.5	10.34	No
		112	5560		11.5	10.39	No
		116	5580		11.5	10.39	No
		120	5600		11.5	10.36	No

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		124	5620		11.5	10.33	No
		128	5640		11.5	10.46	No
		132	5660		11.5	10.47	No
		136	5680		11.5	10.44	No
		140	5700		11.5	10.57	No
		144	5720		11.5	10.38	No
	U-NII-3	149	5745		11.5	10.06	No
		153	5765		11.5	9.95	No
		157	5785		11.5	9.85	No
		161	5805		11.5	9.88	No
		165	5825		10.5	9.92	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT40	U-NII-1	38	5190	MCS0	11.5	10.64	No
		46	5230		11.5	10.54	No
	U-NII-2A	54	5270		11.5	10.62	No
		62	5310		11	10.74	No
	U-NII-2C	102	5510		11.5	10.30	No
		110	5550		11.5	10.20	No
		118	5590		11.5	10.40	No
		126	5630		11.5	10.33	No
		134	5670		11.5	10.50	No
		142	5710		11.5	10.38	No
	U-NII-3	151	5755		11.5	10.31	No
		159	5795		10.5	10.28	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 20M	U-NII-1	36	5180	MCS0	11.5	10.89	No
		40	5200		11.5	10.76	No
		44	5220		11.5	10.65	No
		48	5240		11.5	10.71	No
	U-NII-2A	52	5260		11.5	10.69	No
		56	5280		11.5	10.78	No
		60	5300		11.5	10.76	No
		64	5320		11	10.66	No
	U-NII-2C	100	5500		11.5	10.50	No
		104	5520		11.5	10.38	No
		108	5540		11.5	10.30	No
		112	5560		11.5	10.47	No
		116	5580		11.5	10.44	No
		120	5600		11.5	10.46	No
		124	5620		11.5	10.43	No
		128	5640		11.5	10.48	No
		132	5660		11.5	10.46	No
		136	5680		11.5	10.49	No

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		140	5700		11.5	10.44	No		
		144	5720		11.5	10.39	No		
		149	5745		11.5	10.10	No		
		153	5765		11.5	9.98	No		
		157	5785		11.5	9.80	No		
		161	5805		11.5	9.85	No		
		165	5825		10.5	9.82	No		
		5GHz	mode		Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)
802.11ac 40M	U-NII-1	38	5190	MCS0	11.5	10.43	No		
		46	5230		11.5	10.64	No		
	U-NII-2A	54	5270		11.5	10.88	Yes		
		62	5310		11.5	10.83	Yes		
	U-NII-2C	102	5510		11.5	10.45	Yes		
		110	5550		11.5	10.26	No		
		118	5590		11.5	10.28	No		
		126	5630		11.5	10.33	No		
		134	5670		11.5	10.47	Yes		
		142	5710		11.5	10.37	Yes		
		U-NII-3	151		5755	11.5	10.42	Yes	
	159		5795		10.5	10.25	Yes		
	5GHz		mode		Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)
	802.11ac 80M	U-NII-1	42		5210	MCS0	11	9.61	No
U-NII-2A		58	5290	11	9.71		No		
U-NII-2C		106	5530	11	9.16		No		
U-NII-3		122	5610	11	9.97		No		
		138	5690	11	9.36		No		
		155	5775	11	9.64		No		

WIFI5GHz Ant2 Full Power							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	9	8.95	No
		40	5200		9.5	9.20	No
		44	5220		9.5	9.13	No
		48	5240		9.5	9.15	No
	U-NII-2A	52	5260		9.5	9.19	Yes
		56	5280		9.5	9.25	Yes
		60	5300		9.5	9.17	No
		64	5320		9.5	9.15	Yes
	U-NII-2C	100	5500		9.5	8.67	Yes
		104	5520		9.5	8.60	No
		108	5540		9.5	8.72	No
		112	5560		9.5	8.75	No
		116	5580		9.5	8.91	Yes
		120	5600		9.5	8.48	No
		124	5620		9.5	8.49	No
		128	5640		9.5	8.45	No
		132	5660		9.5	8.63	No
		136	5680		9.5	8.51	No
		140	5700		9.5	8.42	No
		144	5720		9.5	8.45	Yes
	U-NII-3	149	5745		9.5	8.48	Yes
		153	5765		9.5	8.61	No
		157	5785		9.5	8.75	Yes
		161	5805		9.5	8.63	No
		165	5825		9.5	8.71	Yes
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT20	U-NII-1	36	5180	MCS0	9.5	8.32	No
		40	5200		9.5	8.63	No
		44	5220		9.5	8.52	No
		48	5240		9.5	8.66	No
	U-NII-2A	52	5260		9.5	8.72	No
		56	5280		9.5	8.91	No
		60	5300		9.5	8.70	No
		64	5320		9.5	8.81	No
	U-NII-2C	100	5500		9.5	8.14	No
		104	5520		9.5	8.17	No
		108	5540		9.5	8.34	No
		112	5560		9.5	8.37	No
		116	5580		9.5	8.50	No
		120	5600		9.5	8.41	No

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	U-NII-3	124	5620		9.5	8.24	No
		128	5640		9.5	8.33	No
		132	5660		9.5	8.18	No
		136	5680		9.5	8.05	No
		140	5700		9.5	7.93	No
		144	5720		9.5	7.95	No
		149	5745		9.5	8.18	No
		153	5765		9.5	8.20	No
		157	5785		9.5	8.15	No
		161	5805		9.5	8.22	No
		165	5825		9.5	8.08	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT40	U-NII-1	38	5190	MCS0	7.5	6.46	No
		46	5230		7.5	6.47	No
	U-NII-2A	54	5270		7.5	7.05	No
		62	5310		7.5	6.94	No
	U-NII-2C	102	5510		7.5	6.50	No
		110	5550		7.5	6.43	No
		118	5590		7.5	6.50	No
		126	5630		7.5	6.55	No
		134	5670		7.5	6.33	No
		142	5710		7.5	6.23	No
	U-NII-3	151	5755		7.5	6.63	No
		159	5795		7.5	6.73	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 20M	U-NII-1	36	5180	MCS0	9.5	8.38	No
		40	5200		9.5	8.49	No
		44	5220		9.5	8.57	No
		48	5240		9.5	8.55	No
	U-NII-2A	52	5260		9.5	8.91	No
		56	5280		9.5	8.86	No
		60	5300		9.5	8.70	No
		64	5320		9.5	8.53	No
	U-NII-2C	100	5500		9.5	8.20	No
		104	5520		9.5	8.28	No
		108	5540		9.5	8.40	No
		112	5560		9.5	8.33	No
		116	5580		9.5	8.31	No
		120	5600		9.5	8.28	No
		124	5620		9.5	8.35	No
		128	5640		9.5	8.14	No
		132	5660		9.5	8.06	No
		136	5680		9.5	8.13	No

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	U-NII-3	140	5700		9.5	7.94	No
		144	5720		9.5	7.89	No
		149	5745		9.5	7.84	No
		153	5765		9.5	8.18	No
		157	5785		9.5	8.12	No
		161	5805		9.5	8.14	No
		165	5825		9.5	8.10	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 40M	U-NII-1	38	5190	MCS0	7	6.44	No
		46	5230		7.5	6.59	No
	U-NII-2A	54	5270		7.5	6.93	No
		62	5310		7.5	6.92	No
	U-NII-2C	102	5510		7.5	6.46	No
		110	5550		7.5	6.62	No
		118	5590		7.5	6.61	No
		126	5630		7.5	6.62	No
		134	5670		7.5	6.33	No
		142	5710		7.5	6.23	No
		151	5755		7.5	6.65	No
		159	5795		7.5	6.75	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 80M	U-NII-1	42	5210	MCS0	9	7.45	No
	U-NII-2A	58	5290		9	7.80	No
	U-NII-2C	106	5530		8.5	7.21	No
		122	5610		6	4.79	No
	U-NII-3	138	5690		9	6.97	No
		155	5775		6	4.55	No

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WIFI5GHz Ant2 receiver on (Left or Right Head) --Wifi only							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	9	8.95	No
		40	5200		9.5	9.20	No
		44	5220		9.5	9.13	No
		48	5240		9.5	9.15	No
	U-NII-2A	52	5260		9.5	9.19	Yes
		56	5280		9.5	9.25	Yes
		60	5300		9.5	9.17	No
		64	5320		9.5	9.15	Yes
	U-NII-2C	100	5500		9.5	8.67	Yes
		104	5520		9.5	8.60	No
		108	5540		9.5	8.72	No
		112	5560		9.5	8.75	No
		116	5580		9.5	8.91	Yes
		120	5600		9.5	8.48	No
		124	5620		9.5	8.49	No
		128	5640		9.5	8.45	No
		132	5660		9.5	8.63	No
		136	5680		9.5	8.51	No
		140	5700		9.5	8.42	No
		144	5720		9.5	8.45	Yes
	U-NII-3	149	5745		9.5	8.48	Yes
		153	5765		9.5	8.61	No
		157	5785		9.5	8.75	Yes
		161	5805		9.5	8.63	No
		165	5825		9.5	8.71	Yes
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT20	U-NII-1	36	5180	MCS0	9.5	8.32	No
		40	5200		9.5	8.63	No
		44	5220		9.5	8.52	No
		48	5240		9.5	8.66	No
	U-NII-2A	52	5260		9.5	8.72	No
		56	5280		9.5	8.91	No
		60	5300		9.5	8.70	No
		64	5320		9.5	8.81	No
	U-NII-2C	100	5500		9.5	8.14	No
		104	5520		9.5	8.17	No
		108	5540		9.5	8.34	No
		112	5560		9.5	8.37	No
		116	5580		9.5	8.50	No
		120	5600		9.5	8.41	No

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		124	5620		9.5	8.24	No
		128	5640		9.5	8.33	No
		132	5660		9.5	8.18	No
		136	5680		9.5	8.05	No
		140	5700		9.5	7.93	No
		144	5720		9.5	7.95	No
	U-NII-3	149	5745		9.5	8.18	No
		153	5765		9.5	8.20	No
		157	5785		9.5	8.15	No
		161	5805		9.5	8.22	No
		165	5825		9.5	8.08	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT40	U-NII-1	38	5190	MCS0	7.5	6.46	No
		46	5230		7.5	6.47	No
	U-NII-2A	54	5270		7.5	7.05	No
		62	5310		7.5	6.94	No
	U-NII-2C	102	5510		7.5	6.50	No
		110	5550		7.5	6.43	No
		118	5590		7.5	6.50	No
		126	5630		7.5	6.55	No
		134	5670		7.5	6.33	No
		142	5710		7.5	6.23	No
	U-NII-3	151	5755		7.5	6.63	No
		159	5795		7.5	6.73	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 20M	U-NII-1	36	5180	MCS0	9.5	8.38	No
		40	5200		9.5	8.49	No
		44	5220		9.5	8.57	No
		48	5240		9.5	8.55	No
	U-NII-2A	52	5260		9.5	8.91	No
		56	5280		9.5	8.86	No
		60	5300		9.5	8.70	No
		64	5320		9.5	8.53	No
	U-NII-2C	100	5500		9.5	8.20	No
		104	5520		9.5	8.28	No
		108	5540		9.5	8.40	No
		112	5560		9.5	8.33	No
		116	5580		9.5	8.31	No
		120	5600		9.5	8.28	No
		124	5620		9.5	8.35	No
		128	5640		9.5	8.14	No
		132	5660		9.5	8.06	No
		136	5680		9.5	8.13	No

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		140	5700		9.5	7.94	No		
		144	5720		9.5	7.89	No		
		149	5745		9.5	7.84	No		
		153	5765		9.5	8.18	No		
		157	5785		9.5	8.12	No		
		161	5805		9.5	8.14	No		
		165	5825		9.5	8.10	No		
		5GHz	mode		Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)
802.11ac 40M	U-NII-1	38	5190	MCS0	7	6.44	No		
		46	5230		7.5	6.59	No		
	U-NII-2A	54	5270		7.5	6.93	No		
		62	5310		7.5	6.92	No		
	U-NII-2C	102	5510		7.5	6.46	No		
		110	5550		7.5	6.62	No		
		118	5590		7.5	6.61	No		
		126	5630		7.5	6.62	No		
		134	5670		7.5	6.33	No		
		142	5710		7.5	6.23	No		
		U-NII-3	151		5755	7.5	6.65	No	
	159		5795		7.5	6.75	No		
	5GHz	mode	Channel		Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
	802.11ac 80M	U-NII-1	42		5210	MCS0	9	7.45	No
U-NII-2A		58	5290	9	7.80		No		
U-NII-2C		106	5530	8.5	7.21		No		
U-NII-3		122	5610	6	4.79		No		
		138	5690	9	6.97		No		
		155	5775	6	4.55		No		

WIFI5GHz MIMO Full Power							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	15.2	14.53	No
		40	5200		17.3	16.68	No
		44	5220		17.3	16.62	No
		48	5240		17.3	16.71	No
	U-NII-2A	52	5260		17.3	16.70	No
		56	5280		17.3	16.72	No
		60	5300		17.3	16.65	No
		64	5320		15.3	14.60	No
	U-NII-2C	100	5500		15.3	14.13	No
		104	5520		17.3	16.29	No
		108	5540		17.3	16.24	No
		112	5560		17.3	16.23	No
		116	5580		17.3	16.37	No
		120	5600		17.3	16.19	No
		124	5620		17.3	16.16	No
		128	5640		17.3	16.18	No
		132	5660		17.3	16.31	No
		136	5680		17.3	16.27	No
		140	5700		15.3	14.43	No
		144	5720		15.3	14.37	No
	U-NII-3	149	5745		17.3	15.97	No
		153	5765		17.3	16.05	No
		157	5785		17.3	16.09	No
		161	5805		17.3	15.84	No
		165	5825		16.9	15.81	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT20	U-NII-1	36	5180	MCS0	15.3	14.29	No
		40	5200		17.3	16.20	No
		44	5220		17.3	16.19	No
		48	5240		17.3	16.22	No
	U-NII-2A	52	5260		17.3	16.20	No
		56	5280		17.3	16.29	No
		60	5300		17.3	16.26	No
		64	5320		15.3	14.44	No
	U-NII-2C	100	5500		15.3	13.98	No
		104	5520		17.3	15.85	No
		108	5540		17.3	15.95	No
		112	5560		17.3	15.83	No
		116	5580		17.3	15.89	No
		120	5600		17.3	15.98	No

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	U-NII-3	124	5620		17.3	15.91	No
		128	5640		17.3	16.06	No
		132	5660		17.3	15.98	No
		136	5680		17.3	15.92	No
		140	5700		15.3	13.99	No
		144	5720		15.3	13.89	No
		149	5745		17.3	15.58	No
		153	5765		17.3	15.51	No
		157	5785		17.3	15.48	No
		161	5805		17.3	15.46	No
		165	5825		16.5	15.42	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT40	U-NII-1	38	5190	MCS0	13	11.99	No
		46	5230		15.3	14.09	No
	U-NII-2A	54	5270		15.3	14.34	No
		62	5310		12.6	12.24	No
	U-NII-2C	102	5510		13	11.81	No
		110	5550		15.3	13.92	No
		118	5590		15.3	13.92	No
		126	5630		15.3	13.94	No
		134	5670		15.3	14.02	No
		142	5710		13	11.71	No
	U-NII-3	151	5755		15.3	13.98	No
		159	5795		14.5	13.92	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 20M	U-NII-1	36	5180	MCS0	15.3	14.34	No
		40	5200		17.3	16.10	No
		44	5220		17.3	16.09	No
		48	5240		17.3	16.19	No
	U-NII-2A	52	5260		17.3	16.25	No
		56	5280		17.3	16.19	No
		60	5300		17.3	16.25	No
		64	5320		15	14.41	No
	U-NII-2C	100	5500		15.3	14.08	No
		104	5520		17.3	15.80	No
		108	5540		17.3	15.78	No
		112	5560		17.3	15.81	No
		116	5580		17.3	15.85	No
		120	5600		17.3	15.92	No
		124	5620		17.3	15.86	No
		128	5640		17.3	16.00	No
		132	5660		17.3	15.93	No
		136	5680		17.3	16.02	No

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	U-NII-3	140	5700		15.3	14.05	No
		144	5720		15.3	13.88	No
		149	5745		17.3	15.60	No
		153	5765		17.3	15.51	No
		157	5785		17.3	15.48	No
		161	5805		17.3	15.52	No
		165	5825		16.5	15.49	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 40M	U-NII-1	38	5190	MCS0	12.8	11.97	No
		46	5230		15.3	14.13	No
	U-NII-2A	54	5270		15.3	14.39	No
		62	5310		13	12.25	No
	U-NII-2C	102	5510		13	11.94	No
		110	5550		15.3	13.93	No
		118	5590		15.3	13.92	No
		126	5630		15.3	14.08	No
		134	5670		15.3	14.02	No
		142	5710		13	11.77	No
		151	5755		15.3	13.97	No
	U-NII-3	159	5795		14.5	13.90	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 80M	U-NII-1	42	5210	MCS0	13.1	11.64	No
	U-NII-2A	58	5290		13.1	11.80	No
	U-NII-2C	106	5530		12.9	11.40	No
		122	5610		13.8	12.77	No
	U-NII-3	138	5690		13.1	11.27	No
		155	5775		13.8	12.73	No

WIFI5GHz MIMO receiver on(head scene)							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	13.4	12.96	No
		40	5200		13.6	13.12	No
		44	5220		13.6	13.01	No
		48	5240		13.6	13.12	No
	U-NII-2A	52	5260		13.6	13.10	No
		56	5280		13.6	13.10	No
		60	5300		13.6	13.06	No
		64	5320		13.6	13.14	No
	U-NII-2C	100	5500		13.6	12.64	No
		104	5520		13.6	12.63	No
		108	5540		13.6	12.66	No
		112	5560		13.6	12.68	No
		116	5580		13.6	12.73	No
		120	5600		13.6	12.64	No
		124	5620		13.6	12.65	No
		128	5640		13.6	12.69	No
		132	5660		13.6	13.05	No
		136	5680		13.6	12.97	No
		140	5700		13.6	12.87	No
		144	5720		13.6	12.88	No
	U-NII-3	149	5745		13.6	12.68	No
		153	5765		13.6	12.62	No
		157	5785		13.6	12.67	No
		161	5805		13.6	12.63	No
		165	5825		13.3	12.66	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT20	U-NII-1	36	5180	MCS0	13.6	12.80	No
		40	5200		13.6	12.85	No
		44	5220		13.6	12.80	No
		48	5240		13.6	12.88	No
	U-NII-2A	52	5260		13.6	12.89	No
		56	5280		13.6	12.96	No
		60	5300		13.6	12.82	No
		64	5320		13.6	12.93	No
	U-NII-2C	100	5500		13.6	12.44	No
		104	5520		13.6	12.41	No
		108	5540		13.6	12.46	No
		112	5560		13.6	12.51	No
		116	5580		13.6	12.56	No
		120	5600		13.6	12.50	No

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		124	5620		13.6	12.42	No
		128	5640		13.6	12.53	No
		132	5660		13.6	12.48	No
		136	5680		13.6	12.42	No
		140	5700		13.6	12.46	No
		144	5720		13.6	12.34	No
	U-NII-3	149	5745		13.6	12.23	No
		153	5765		13.6	12.17	No
		157	5785		13.6	12.09	No
		161	5805		13.6	12.14	No
		165	5825		13	12.11	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT40	U-NII-1	38	5190	MCS0	13	12.04	No
		46	5230		13	11.98	No
	U-NII-2A	54	5270		13	12.20	No
		62	5310		12.6	12.25	No
	U-NII-2C	102	5510		13	11.81	No
		110	5550		13	11.72	No
		118	5590		13	11.88	No
		126	5630		13	11.85	No
		134	5670		13	11.91	No
		142	5710		13	11.79	No
	U-NII-3	151	5755		13	11.86	No
		159	5795		12.3	11.87	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 20M	U-NII-1	36	5180	MCS0	13.6	12.82	No
		40	5200		13.6	12.78	No
		44	5220		13.6	12.74	No
		48	5240		13.6	12.77	No
	U-NII-2A	52	5260		13.6	12.90	No
		56	5280		13.6	12.94	No
		60	5300		13.6	12.86	No
		64	5320		13.3	12.73	No
	U-NII-2C	100	5500		13.6	12.51	No
		104	5520		13.6	12.47	No
		108	5540		13.6	12.46	No
		112	5560		13.6	12.54	No
		116	5580		13.6	12.51	No
		120	5600		13.6	12.52	No
		124	5620		13.6	12.52	No
		128	5640		13.6	12.48	No
		132	5660		13.6	12.43	No
		136	5680		13.6	12.48	No

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	U-NII-3	140	5700		13.6	12.38	No		
		144	5720		13.6	12.33	No		
		149	5745		13.6	12.13	No		
		153	5765		13.6	12.18	No		
		157	5785		13.6	12.05	No		
		161	5805		13.6	12.09	No		
		165	5825		13	12.05	No		
		5GHz	mode		Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)
802.11ac 40M	U-NII-1	38	5190	MCS0	12.8	11.89	No		
		46	5230		13	12.08	No		
	U-NII-2A	54	5270		13	12.35	No		
		62	5310		13	12.31	No		
	U-NII-2C	102	5510		13	11.91	No		
		110	5550		13	11.82	No		
		118	5590		13	11.83	No		
		126	5630		13	11.87	No		
		134	5670		13	11.89	No		
		142	5710		13	11.79	No		
		U-NII-3	151		5755	13	11.94	No	
	159		5795		12.3	11.85	No		
	5GHz		mode		Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)
	802.11ac 80M	U-NII-1	42		5210	MCS0	13.1	11.67	No
U-NII-2A		58	5290	13.1	11.87		No		
U-NII-2C		106	5530	12.9	11.30		No		
U-NII-3		122	5610	12.6	11.12		No		
		138	5690	13.1	11.34		No		
		155	5775	12.6	10.81		No		

Table 15 : 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.

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

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BT			Tune up (dBm)	Average Conducted Power(dBm)
Modulation	Channel	Frequency(MHz)		GFSK
GFSK	0	2402	10.5	8.59
	1	2403	10.5	8.72
	3	2405	10.5	9.02
GFSK	4	2406	11	9.14
	32	2434	11	9.43
	61	2463	11	9.65
GFSK	62	2464	11.5	10.24
	65	2467	11.5	10.11
	69	2471	11.5	9.73
GFSK	70	2472	11	9.45
	72	2474	11	9.32
	75	2477	11	9.1
GFSK	76	2478	10.5	9.07
	77	2479	10.5	8.95
	78	2480	10.5	9.04
$\pi/4$ DQPSK	0	2402	5.5	4.36
	1	2403	5.5	4.44
	3	2405	5.5	4.65
$\pi/4$ DQPSK	4	2406	6	4.82
	32	2434	6	5.13
	61	2463	6	5.39
$\pi/4$ DQPSK	62	2464	6.5	5.44
	65	2467	6.5	5.52
	69	2471	6.5	5.16
$\pi/4$ DQPSK	70	2472	5.5	5.07
	72	2474	5.5	4.79
	75	2477	5.5	4.43
$\pi/4$ DQPSK	76	2478	5	4.32
	77	2479	5	4.29
	78	2480	5	4.16
8DPSK	0	2402	5	4.34
	1	2403	5	4.42
	3	2405	5	4.63
8DPSK	4	2406	5.5	4.83
	32	2434	5.5	5.14
	61	2463	5.5	5.31
8DPSK	62	2464	6.5	5.47
	65	2467	6.5	5.51
	69	2471	6.5	5.22
8DPSK	70	2472	5.5	4.98
	72	2474	5.5	4.8
	75	2477	5.5	4.41

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8DPSK	76	2478	5	4.34
	77	2479	5	4.31
	78	2480	5	4.22
BLE			Tune up (dBm)	Average Conducted Power(dBm)
Modulation	Channel	Frequency(MHz)		GFSK
GFSK	0	2402	4.5	1.93
	1	2404	4.5	2.08
GFSK	2	2406	5	2.22
	16	2434	5	2.65
	30	2462	5	3.16
GFSK	31	2464	6	3.57
	32	2466	6	3.48
	33	2468	6	3.29
GFSK	34	2470	5	2.99
	35	2472	5	2.63
	37	2476	5	1.95
GFSK	38	2478	4.5	1.8
	39	2480	4.5	1.68

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.

8.2 Stand-alone SAR test evaluation

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

Freq. Band	Frequency (GHz)	Position	Average Power		Test Separation (mm)	Calculate Value	Exclusion Threshold	Exclusion (Y/N)
			dBm	mW				
BLE	2.48	Head	5	3.2	0	1.0	3	Y
		Body-worn	5	3.2	15	0.3	3	Y
		Hotspot	5	3.2	10	0.5	3	Y

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

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

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

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.

8.3 Measurement of SAR Data

8.3.1 SAR Result Of GSM850

Ant1 Test data										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	GSM	190/836.6	1:8.3	0.193	0.05	32.57	33.8	1.327	0.256	22.1
Left tilted	GSM	190/836.6	1:8.3	0.124	-0.12	32.57	33.8	1.327	0.165	22.1
Right cheek	GSM	190/836.6	1:8.3	0.253	0.04	32.38	33.8	1.387	0.351	22.1
Right tilted	GSM	190/836.6	1:8.3	0.11	0.02	32.49	33.8	1.352	0.149	22.1
Right cheek	GSM	128/824.2	1:8.3	0.19	-0.05	32.38	33.8	1.387	0.263	22.1
Right cheek	GSM	251/848.8	1:8.3	0.265	0.05	32.49	33.8	1.352	0.358	22.1
Head Test Data at the worst case with Battery 2#										
Right cheek	GSM	251/848.8	1:8.3	0.278	-0.17	32.49	33.8	1.352	0.376	22.1
Head Test Data at the worst case with Battery 3#										
Right cheek	GSM	251/848.8	1:8.3	0.274	-0.04	32.49	33.8	1.352	0.370	22.1
Body worn Test data(Separate 15mm)										
Front side	GSM	190/836.6	1:8.3	0.245	-0.02	32.57	33.8	1.327	0.325	22.1
Back side	GSM	190/836.6	1:8.3	0.304	-0.1	32.57	33.8	1.327	0.404	22.1
Front side	GPRS 2TS	190/836.6	1:4.15	0.206	-0.13	30.64	31.8	1.306	0.269	22.1
Back side	GPRS 2TS	190/836.6	1:4.15	0.291	0	30.64	31.8	1.306	0.380	22.1
Back side	GSM	128/824.2	1:8.3	0.262	0.02	32.38	33.8	1.387	0.363	22.1
Back side	GSM	251/848.8	1:8.3	0.309	0.04	32.49	33.8	1.352	0.418	22.1
Body worn Test data with Battery 2#										
Back side	GSM	251/848.8	1:8.3	0.354	0.12	32.49	33.8	1.352	0.479	22.1
Body worn Test data with Battery 3#										
Back side	GSM	251/848.8	1:8.3	0.321	-0.07	32.49	33.8	1.352	0.434	22.1
Hotspot Test data(Separate 10mm)										
Front side	GPRS 2TS	190/836.6	1:4.15	0.287	-0.07	30.64	31.8	1.306	0.375	22.1
Back side	GPRS 2TS	190/836.6	1:4.15	0.419	-0.07	30.64	31.8	1.306	0.547	22.1
Left side	GPRS 2TS	190/836.6	1:4.15	0.0871	0.04	30.64	31.8	1.306	0.114	22.1
Right side	GPRS 2TS	190/836.6	1:4.15	0.377	0.15	30.64	31.8	1.306	0.492	22.1
Bottom side	GPRS 2TS	190/836.6	1:4.15	0.267	0.04	30.64	31.8	1.306	0.349	22.1
Back side	GPRS 2TS	128/824.2	1:4.15	0.323	-0.07	30.5	31.8	1.349	0.436	22.1
Back side	GPRS 2TS	251/848.8	1:4.15	0.482	0.08	30.53	31.8	1.340	0.646	22.1
Hotspot Test Data at the worst case with Battery 2#(10mm)										
Back side	GPRS 2TS	251/848.8	1:4.15	0.516	0.06	30.53	31.8	1.340	0.691	22.1
Hotspot Test Data at the worst case with Battery 3#(10mm)										
Back side	GPRS 2TS	251/848.8	1:4.15	0.448	0.05	30.53	31.8	1.340	0.600	22.1

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Ant2 Test data										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	GSM	190/836.6	1:8.3	0.537	-0.01	28.18	29.3	1.294	0.695	22.1
Left tilted	GSM	190/836.6	1:8.3	0.464	-0.04	28.18	29.3	1.294	0.601	22.1
Right cheek	GSM	190/836.6	1:8.3	0.538	0.01	28.74	29.8	1.276	0.687	22.1
Right tilted	GSM	190/836.6	1:8.3	0.484	0.13	28.74	29.8	1.276	0.618	22.1
Left cheek	GSM	128/824.2	1:8.3	0.545	0.03	28.06	29.3	1.330	0.725	22.1
Left cheek	GSM	251/848.8	1:8.3	0.547	0.1	28.14	29.3	1.306	0.714	22.1
Head Test Data at the worst case with Battery 2#										
Left cheek	GSM	128/824.2	1:8.3	0.535	-0.07	28.06	29.3	1.330	0.712	22.1
Head Test Data at the worst case with Battery 3#										
Left cheek	GSM	128/824.2	1:8.3	0.535	-0.13	28.06	29.3	1.330	0.712	22.1
Body worn Test data(Separate 15mm)										
Front side	GSM	190/836.6	1:8.3	0.0972	0.02	32.95	33.8	1.216	0.118	22.1
Back side	GSM	190/836.6	1:8.3	0.0952	0.05	32.95	33.8	1.216	0.116	22.1
Front side	GPRS 2TS	190/836.6	1:4.15	0.357	0.14	30.82	31.8	1.253	0.447	22.1
Back side	GPRS 2TS	190/836.6	1:4.15	0.335	0.04	30.82	31.8	1.253	0.420	22.1
Front side	GPRS 2TS	128/824.2	1:4.15	0.314	-0.13	30.59	31.8	1.321	0.415	22.1
Front side	GPRS 2TS	251/848.8	1:4.15	0.358	0.18	30.91	31.8	1.227	0.439	22.1
Body worn Test data with Battery 2#										
Front side	GPRS 2TS	190/836.6	1:4.15	0.343	0.12	30.82	31.8	1.253	0.430	22.1
Body worn Test data with Battery 3#										
Front side	GPRS 2TS	190/836.6	1:4.15	0.346	0.1	30.82	31.8	1.253	0.434	22.1
Hotspot activated for 2.4G WIFI Test data(Separate 10mm)										
Front side	GPRS 2TS	190/836.6	1:4.15	0.281	0.18	27.48	28.8	1.355	0.381	22.1
Back side	GPRS 2TS	190/836.6	1:4.15	0.287	-0.06	27.48	28.8	1.355	0.389	22.1
Left side	GPRS 2TS	190/836.6	1:4.15	0.126	0.05	27.48	28.8	1.355	0.171	22.1
Right side	GPRS 2TS	190/836.6	1:4.15	0.0263	-0.1	27.48	28.8	1.355	0.036	22.1
Top side	GPRS 2TS	190/836.6	1:4.15	0.224	0.03	27.48	28.8	1.355	0.304	22.1
Back side	GPRS 2TS	128/824.2	1:4.15	0.258	0.05	27.42	28.8	1.374	0.355	22.1
Back side	GPRS 2TS	251/848.8	1:4.15	0.311	-0.05	27.46	28.8	1.361	0.423	22.1
Hotspot activated for 5G WIFI Test data(Separate 10mm)										
Front side	GPRS 2TS	190/836.6	1:4.15	0.179	-0.11	25.62	26.8	1.312	0.235	22.1
Back side	GPRS 2TS	190/836.6	1:4.15	0.18	0.15	25.62	26.8	1.312	0.236	22.1
Left side	GPRS 2TS	190/836.6	1:4.15	0.08	-0.03	25.62	26.8	1.312	0.105	22.1

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Right side	GPRS 2TS	190/836.6	1:4.15	0.0166	-0.08	25.62	26.8	1.312	0.022	22.1
Top side	GPRS 2TS	190/836.6	1:4.15	0.141	0.01	25.62	26.8	1.312	0.185	22.1
Back side	GPRS 2TS	128/824.2	1:4.15	0.162	0.05	25.45	26.8	1.365	0.221	22.1
Back side	GPRS 2TS	251/848.8	1:4.15	0.193	-0.05	25.58	26.8	1.324	0.256	22.1
Hotspot Test Data at the worst case with Battery 2#(10mm)										
Back side	GPRS 2TS	251/848.8	1:4.15	0.312	-0.02	27.46	28.8	1.361	0.425	22.1
Hotspot Test Data at the worst case with Battery 3#(10mm)										
Back side	GPRS 2TS	251/848.8	1:4.15	0.305	-0.1	27.46	28.8	1.361	0.415	22.1
Ant2 Additional Test data(simultaneous transmission with 5G WIFI+BT)										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	GSM	128/824.2	1:8.3	0.142	-0.09	23.24	24.3	1.276	0.181	22.1

Table 16 : SAR of GSM850 for Head and Body.

Note:

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

8.3.2 SAR Result Of GSM1900

Ant1 Test data										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	GSM	661/1880	1:8.3	0.0704	0.03	29.91	31	1.285	0.090	22.1
Left tilted	GSM	661/1880	1:8.3	0.0239	-0.07	29.91	31	1.285	0.031	22.1
Right cheek	GSM	661/1880	1:8.3	0.0498	0.18	29.91	31	1.285	0.064	22.1
Right tilted	GSM	661/1880	1:8.3	0.0329	0.05	29.91	31	1.285	0.042	22.1
Left cheek	GSM	512/1850.2	1:8.3	0.0663	0.07	29.98	31	1.265	0.084	22.1
Left cheek	GSM	810/1909.8	1:8.3	0.0817	0.09	29.93	31	1.279	0.105	22.1
Head Test Data at the worst case with Battery 2#										
Left cheek	GSM	810/1909.8	1:8.3	0.117	0.08	29.93	31	1.279	0.150	22.1
Head Test Data at the worst case with Battery 3#										
Left cheek	GSM	810/1909.8	1:8.3	0.105	0.02	29.93	31	1.279	0.134	22.1
Body worn Test data(Separate 15mm)										
Front side	GSM	661/1880	1:8.3	0.211	0.02	29.91	31	1.285	0.271	22.1
Back side	GSM	661/1880	1:8.3	0.218	0.02	29.91	31	1.285	0.280	22.1
Front side	GPRS 2TS	661/1880	1:4.15	0.229	-0.11	27.77	29	1.327	0.304	22.1
Back side	GPRS 2TS	661/1880	1:4.15	0.238	0.09	27.77	29	1.327	0.316	22.1
Back side	GPRS 2TS	512/1850.2	1:4.15	0.254	0.03	27.92	29	1.282	0.326	22.1
Back side	GPRS 2TS	810/1909.8	1:4.15	0.282	-0.08	27.7	29	1.349	0.380	22.1
Body worn Test Data at the worst case with Battery 2#										
Back side	GPRS 2TS	810/1909.8	1:4.15	0.379	0.05	27.7	29	1.349	0.511	22.1
Body worn Test Data at the worst case with Battery 3#										
Back side	GPRS 2TS	810/1909.8	1:4.15	0.349	0.03	27.7	29	1.349	0.471	22.1
Hotspot Test data(Separate 10mm)										
Front side	GPRS 2TS	661/1880	1:4.15	0.173	0.02	23.92	25	1.282	0.222	22.1
Back side	GPRS 2TS	661/1880	1:4.15	0.189	0.05	23.92	25	1.282	0.242	22.1
Left side	GPRS 2TS	661/1880	1:4.15	0.0525	-0.04	23.92	25	1.282	0.067	22.1
Right side	GPRS 2TS	661/1880	1:4.15	0.016	-0.01	23.92	25	1.282	0.021	22.1
Bottom side	GPRS 2TS	661/1880	1:4.15	0.363	-0.07	23.92	25	1.282	0.465	22.1
Bottom side	GPRS 2TS	512/1850.2	1:4.15	0.397	-0.01	24.06	25	1.242	0.493	22.1
Bottom side	GPRS 2TS	810/1909.8	1:4.15	0.424	0.05	23.82	25	1.312	0.556	22.1
Hotspot Test Data at the worst case with Battery 2#(10mm)										
Bottom side	GPRS 2TS	810/1909.8	1:4.15	0.508	-0.05	23.82	25	1.312	0.667	22.1
Hotspot Test Data at the worst case with Battery 3#(10mm)										
Bottom side	GPRS 2TS	810/1909.8	1:4.15	0.493	-0.06	23.82	25	1.312	0.647	22.1

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Ant2 Test data										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	GSM	661/1880	1:8.3	0.293	0	25.93	26.5	1.140	0.334	22.1
Left tilted	GSM	661/1880	1:8.3	0.384	0.01	25.93	26.5	1.140	0.438	22.1
Right cheek	GSM	661/1880	1:8.3	0.528	0.04	25.44	26	1.138	0.601	22.1
Right tilted	GSM	661/1880	1:8.3	0.465	-0.06	25.44	26	1.138	0.529	22.1
Right cheek	GSM	512/1850.2	1:8.3	0.506	0.02	25.52	26	1.117	0.565	22.1
Right cheek	GSM	810/1909.8	1:8.3	0.632	0.01	25.53	26	1.114	0.704	22.1
Head Test Data at the worst case with Battery 2#										
Right cheek	GSM	810/1909.8	1:8.3	0.66	0.02	25.53	26	1.114	0.735	22.1
Head Test Data at the worst case with Battery 3#										
Right cheek	GSM	810/1909.8	1:8.3	0.542	-0.04	25.53	26	1.114	0.604	22.1
Body worn Test data(Separate 15mm)										
Front side	GSM	661/1880	1:8.3	0.062	-0.11	30.15	30.5	1.084	0.067	22.1
Back side	GSM	661/1880	1:8.3	0.0658	-0.09	30.15	30.5	1.084	0.071	22.1
Front side	GPRS 2TS	661/1880	1:4.15	0.205	-0.14	27.67	28.5	1.211	0.248	22.1
Back side	GPRS 2TS	661/1880	1:4.15	0.224	-0.05	27.67	28.5	1.211	0.271	22.1
Back side	GPRS 2TS	512/1850.2	1:4.15	0.181	0.04	27.76	28.5	1.186	0.215	22.1
Back side	GPRS 2TS	810/1909.8	1:4.15	0.257	-0.04	27.84	28.5	1.164	0.299	22.1
Body worn Test Data at the worst case with Battery 2#										
Back side	GPRS 2TS	810/1909.8	1:4.15	0.291	0.01	27.84	28.5	1.164	0.339	22.1
Body worn Test Data at the worst case with Battery 3#										
Back side	GPRS 2TS	810/1909.8	1:4.15	0.232	0.05	27.84	28.5	1.164	0.270	22.1
Hotspot activated for 2.4G WIFI Test data(Separate 10mm)										
Front side	GPRS 2TS	661/1880	1:2.075	0.17	-0.11	24.74	25.5	1.191	0.203	22.1
Back side	GPRS 2TS	661/1880	1:2.075	0.181	-0.13	24.74	25.5	1.191	0.216	22.1
Left side	GPRS 2TS	661/1880	1:2.075	0.193	-0.17	24.74	25.5	1.191	0.230	22.1
Right side	GPRS 2TS	661/1880	1:2.075	0.0379	-0.02	24.74	25.5	1.191	0.045	22.1
Top side	GPRS 2TS	661/1880	1:2.075	0.257	-0.12	24.74	25.5	1.191	0.306	22.1
Top side	GPRS 2TS	512/1850.2	1:2.075	0.224	-0.12	24.84	25.5	1.164	0.261	22.1
Top side	GPRS 2TS	810/1909.8	1:2.075	0.273	0.09	24.78	25.5	1.180	0.322	22.1
Hotspot activated for 5G WIFI Test data(Separate 10mm)										
Front side	GPRS 2TS	661/1880	1:2.075	0.105	-0.09	22.63	23.5	1.222	0.128	22.1
Back side	GPRS 2TS	661/1880	1:2.075	0.107	0.01	22.63	23.5	1.222	0.131	22.1
Left side	GPRS 2TS	661/1880	1:2.075	0.133	-0.09	22.63	23.5	1.222	0.162	22.1
Right side	GPRS 2TS	661/1880	1:2.075	0.0222	-0.02	22.63	23.5	1.222	0.027	22.1
Top side	GPRS 2TS	661/1880	1:2.075	0.158	-0.09	22.63	23.5	1.222	0.193	22.1
Top side	GPRS 2TS	512/1850.2	1:2.075	0.137	-0.01	22.73	23.5	1.194	0.164	22.1
Top side	GPRS 2TS	810/1909.8	1:2.075	0.168	-0.06	22.76	23.5	1.186	0.199	22.1

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Hotspot Test Data at the worst case with Battery 2#(10mm)										
Top side	GPRS 2TS	810/1909.8	1:2.075	0.285	-0.09	24.78	25.5	1.180	0.336	22.1
Hotspot Test Data at the worst case with Battery 3#(10mm)										
Top side	GPRS 2TS	810/1909.8	1:2.075	0.282	-0.04	24.78	25.5	1.180	0.333	22.1

Table 17 : SAR of GSM1900 for Head and Body.

Note:

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

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8.3.3 SAR Result Of WCDMA Band V

Ant1 Test data										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	RMC	4182/836.4	1:1	0.15	0.06	23.51	24.5	1.256	0.188	22.3
Left tilted	RMC	4182/836.4	1:1	0.0921	0.08	23.51	24.5	1.256	0.116	22.3
Right cheek	RMC	4182/836.4	1:1	0.205	0.13	23.51	24.5	1.256	0.257	22.3
Right tilted	RMC	4182/836.4	1:1	0.0871	-0.01	23.51	24.5	1.256	0.109	22.3
Right cheek	RMC	4132/826.4	1:1	0.172	-0.02	23.47	24.5	1.268	0.218	22.3
Right cheek	RMC	4233/846.6	1:1	0.254	-0.06	23.49	24.5	1.262	0.321	22.3
Head Test Data at the worst case with Battery 2#										
Right cheek	RMC	4233/846.6	1:1	0.235	-0.03	23.49	24.5	1.262	0.297	22.3
Head Test Data at the worst case with Battery 3#										
Right cheek	RMC	4233/846.6	1:1	0.234	-0.02	23.49	24.5	1.262	0.295	22.3
Body worn Test data(Separate 15mm)										
Front side	RMC	4182/836.4	1:1	0.195	-0.06	23.51	24.5	1.256	0.245	22.3
Back side	RMC	4182/836.4	1:1	0.228	0.12	23.51	24.5	1.256	0.286	22.3
Back side	RMC	4132/826.4	1:1	0.201	0.06	23.47	24.5	1.268	0.255	22.3
Back side	RMC	4233/846.6	1:1	0.272	0.1	23.49	24.5	1.262	0.343	22.3
Body worn Test Data at the worst case with Battery 2#										
Back side	RMC	4233/846.6	1:1	0.29	0.05	23.49	24.5	1.262	0.366	22.3
Body worn Test Data at the worst case with Battery 3#										
Back side	RMC	4233/846.6	1:1	0.303	0.06	23.49	24.5	1.262	0.382	22.3
Hotspot Test data(Separate 10mm)										
Front side	RMC	4182/836.4	1:1	0.29	-0.08	23.51	24.5	1.256	0.364	22.3
Back side	RMC	4182/836.4	1:1	0.418	0.09	23.51	24.5	1.256	0.525	22.3
Left side	RMC	4182/836.4	1:1	0.113	0.03	23.51	24.5	1.256	0.142	22.3
Right side	RMC	4182/836.4	1:1	0.359	0.11	23.51	24.5	1.256	0.451	22.3
Bottom side	RMC	4182/836.4	1:1	0.26	0.04	23.51	24.5	1.256	0.327	22.3
Back side	RMC	4132/826.4	1:1	0.328	0.03	23.47	24.5	1.268	0.416	22.3
Back side	RMC	4233/846.6	1:1	0.447	0.09	23.49	24.5	1.262	0.564	22.3
Hotspot Test Data at the worst case with Battery 2#										
Back side	RMC	4233/846.6	1:1	0.437	0.07	23.49	24.5	1.262	0.551	22.3
Hotspot Test Data at the worst case with Battery 3#										
Back side	RMC	4233/846.6	1:1	0.424	0.1	23.49	24.5	1.262	0.535	22.3

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Ant2 Test data										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	RMC	4182/836.4	1:1	0.564	0.16	19.38	20.5	1.294	0.730	22.3
Left tilted	RMC	4182/836.4	1:1	0.473	-0.08	19.38	20.5	1.294	0.612	22.3
Right cheek	RMC	4182/836.4	1:1	0.512	-0.03	19.4	20.5	1.288	0.660	22.3
Right tilted	RMC	4182/836.4	1:1	0.448	-0.07	19.4	20.5	1.288	0.577	22.3
Left cheek	RMC	4132/826.4	1:1	0.602	0.02	19.42	20.5	1.282	0.772	22.3
Left cheek	RMC	4233/846.6	1:1	0.596	-0.12	19.35	20.5	1.303	0.777	22.3
Head Test Data at the worst case with Battery 2#										
Left cheek	RMC	4233/846.6	1:1	0.603	0.04	19.35	20.5	1.303	0.786	22.3
Head Test Data at the worst case with Battery 3#										
Left cheek	RMC	4233/846.6	1:1	0.594	0.09	19.35	20.5	1.303	0.774	22.3
Body worn Test data(Separate 15mm)										
Front side	RMC	4182/836.6	1:1	0.242	0.09	23.47	24.5	1.268	0.307	22.3
Back side	RMC	4182/836.6	1:1	0.228	-0.02	23.47	24.5	1.268	0.289	22.3
Front side	RMC	4132/826.4	1:1	0.225	0.15	23.48	24.5	1.265	0.285	22.3
Front side	RMC	4233/846.6	1:1	0.232	0.14	23.43	24.5	1.279	0.297	22.3
Body worn Test Data at the worst case with Battery 2#										
Front side	RMC	4182/836.6	1:1	0.262	0.11	23.47	24.5	1.268	0.332	22.3
Body worn Test Data at the worst case with Battery 3#										
Front side	RMC	4182/836.6	1:1	0.214	0.12	23.47	24.5	1.268	0.271	22.3
Hotspot 2.4GTest data(Separate 10mm)										
Front side	RMC	4182/836.4	1:1	0.201	0.17	20.44	21.5	1.276	0.257	22.3
Back side	RMC	4182/836.4	1:1	0.197	0.02	20.44	21.5	1.276	0.251	22.3
Left side	RMC	4182/836.4	1:1	0.0905	0.15	20.44	21.5	1.276	0.116	22.3
Right side	RMC	4182/836.4	1:1	0.0176	0.05	20.44	21.5	1.276	0.022	22.3
Top side	RMC	4182/836.4	1:1	0.151	0.07	20.44	21.5	1.276	0.193	22.3
Front side	RMC	4132/826.4	1:1	0.2	0.12	20.47	21.5	1.268	0.254	22.3
Front side	RMC	4233/846.6	1:1	0.215	0.14	20.41	21.5	1.285	0.276	22.3
Hotspot 5GTest data(Separate 10mm)										
Front side	RMC	4182/836.4	1:1	0.135	0.12	18.43	19.5	1.279	0.173	22.3
Back side	RMC	4182/836.4	1:1	0.138	0	18.43	19.5	1.279	0.177	22.3
Left side	RMC	4182/836.4	1:1	0.0562	0.1	18.43	19.5	1.279	0.072	22.3
Right side	RMC	4182/836.4	1:1	0.0105	0.09	18.43	19.5	1.279	0.013	22.3
Top side	RMC	4182/836.4	1:1	0.0978	0.03	18.43	19.5	1.279	0.125	22.3
Back side	RMC	4132/826.4	1:1	0.146	-0.03	18.45	19.5	1.274	0.186	22.3
Back side	RMC	4233/846.6	1:1	0.147	-0.06	18.38	19.5	1.294	0.190	22.3

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Hotspot Test Data at the worst case with Battery 2#										
Front side	RMC	4233/846.6	1:1	0.191	0.14	20.41	21.5	1.285	0.245	22.3
Hotspot Test Data at the worst case with Battery 3#										
Front side	RMC	4233/846.6	1:1	0.197	0.15	20.41	21.5	1.285	0.253	22.3
Ant2 Additional Test data(simultaneous transmission with 5G WIFI+BT)										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	RMC	4233/846.6	1:1	0.163	0.1	14.38	15.5	1.294	0.211	22.3

Table 18 : SAR of WCDMA Band V for Head and Body.

Note:

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

8.3.4 SAR Result Of WCDMA Band IV

Ant1 Test data										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	RMC	1412/1732.4	1:1	0.108	0.04	22.92	24	1.282	0.138	22.3
Left tilted	RMC	1412/1732.4	1:1	0.0313	-0.13	22.92	24	1.282	0.040	22.3
Right cheek	RMC	1412/1732.4	1:1	0.0797	0.02	22.92	24	1.282	0.102	22.3
Right tilted	RMC	1412/1732.4	1:1	0.0535	0.19	22.92	24	1.282	0.069	22.3
Left cheek	RMC	1312/1712.4	1:1	0.0954	-0.02	22.96	24	1.271	0.121	22.3
Left cheek	RMC	1513/1752.6	1:1	0.0984	0.17	22.94	24	1.276	0.126	22.3
Head Test Data at the worst case with Battery 2#										
Left cheek	RMC	1412/1732.4	1:1	0.112	0.05	22.92	24	1.282	0.144	22.3
Head Test Data at the worst case with Battery 3#										
Left cheek	RMC	1412/1732.4	1:1	0.0911	0.03	22.92	24	1.282	0.117	22.3
Body worn Test data(Separate 15mm)										
Front side	RMC	1412/1732.4	1:1	0.348	0.02	22.92	24	1.282	0.446	22.3
Back side	RMC	1412/1732.4	1:1	0.299	0.01	22.92	24	1.282	0.383	22.3
Front side	RMC	1312/1712.4	1:1	0.283	0.18	22.96	24	1.271	0.360	22.3
Front side	RMC	1513/1752.6	1:1	0.382	0.16	22.94	24	1.276	0.488	22.3
Body worn Test Data at the worst case with Battery 2#										
Front side	RMC	1513/1752.6	1:1	0.421	-0.08	22.94	24	1.276	0.537	22.3
Body worn Test Data at the worst case with Battery 3#										
Front side	RMC	1513/1752.6	1:1	0.401	-0.01	22.94	24	1.276	0.512	22.3
Hotspot Test data(Separate 10mm)										
Front side	RMC	1412/1732.4	1:1	0.261	0.07	20.41	21.5	1.285	0.335	22.3
Back side	RMC	1412/1732.4	1:1	0.227	0.01	20.41	21.5	1.285	0.292	22.3
Left side	RMC	1412/1732.4	1:1	0.0565	-0.01	20.41	21.5	1.285	0.073	22.3
Right side	RMC	1412/1732.4	1:1	0.0186	-0.06	20.41	21.5	1.285	0.024	22.3
Bottom side	RMC	1412/1732.4	1:1	0.499	-0.02	20.41	21.5	1.285	0.641	22.3
Bottom side	RMC	1312/1712.4	1:1	0.419	-0.05	20.45	21.5	1.274	0.534	22.3
Bottom side	RMC	1513/1752.6	1:1	0.56	-0.03	20.39	21.5	1.291	0.723	22.3
Hotspot Test Data at the worst case with Battery 2#										
Bottom side	RMC	1513/1752.6	1:1	0.628	0.13	20.39	21.5	1.291	0.811	22.3
Hotspot Test Data at the worst case with Battery 3#										
Bottom side	RMC	1513/1752.6	1:1	0.619	0.12	20.39	21.5	1.291	0.799	22.3

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Ant2 Test data										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	RMC	1412/1732.4	1:1	0.251	-0.03	18.59	19.5	1.233	0.310	22.3
Left tilted	RMC	1412/1732.4	1:1	0.351	0.12	18.59	19.5	1.233	0.433	22.3
Right cheek	RMC	1412/1732.4	1:1	0.413	0.04	17.13	18	1.222	0.505	22.3
Right tilted	RMC	1412/1732.4	1:1	0.377	0.03	17.13	18	1.222	0.461	22.3
Right cheek	RMC	1312/1712.4	1:1	0.364	0.06	17.13	18	1.222	0.445	22.3
Right cheek	RMC	1513/1752.6	1:1	0.465	0.01	17.14	18	1.219	0.567	22.3
Head Test Data at the worst case with Battery 2#										
Right cheek	RMC	1513/1752.6	1:1	0.448	-0.05	17.14	18	1.219	0.546	22.3
Head Test Data at the worst case with Battery 3#										
Right cheek	RMC	1513/1752.6	1:1	0.376	-0.08	17.14	18	1.219	0.458	22.3
Body worn Test data(Separate 15mm)										
Front side	RMC	1412/1732.4	1:1	0.12	-0.09	20.62	21.5	1.225	0.147	22.3
Back side	RMC	1412/1732.4	1:1	0.134	-0.01	20.62	21.5	1.225	0.164	22.3
Back side	RMC	1312/1712.4	1:1	0.111	0.01	20.69	21.5	1.205	0.134	22.3
Back side	RMC	1513/1752.6	1:1	0.148	-0.01	20.65	21.5	1.216	0.180	22.3
Body worn Test Data at the worst case with Battery 2#										
Back side	RMC	1513/1752.6	1:1	0.156	-0.13	20.65	21.5	1.216	0.190	22.3
Body worn Test Data at the worst case with Battery 3#										
Back side	RMC	1513/1752.6	1:1	0.112	-0.06	20.65	21.5	1.216	0.136	22.3
Hotspot activated for 2.4G WIFI Test data(Separate 10mm)										
Front side	RMC	1412/1732.4	1:1	0.0937	-0.02	17.73	18.5	1.194	0.112	22.3
Back side	RMC	1412/1732.4	1:1	0.119	0.04	17.73	18.5	1.194	0.142	22.3
Left side	RMC	1412/1732.4	1:1	0.105	0.07	17.73	18.5	1.194	0.125	22.3
Right side	RMC	1412/1732.4	1:1	0.00938	-0.09	17.73	18.5	1.194	0.011	22.3
Top side	RMC	1412/1732.4	1:1	0.136	0.05	17.73	18.5	1.194	0.162	22.3
Top side	RMC	1312/1712.4	1:1	0.117	0.11	17.76	18.5	1.186	0.139	22.3
Top side	RMC	1513/1752.6	1:1	0.147	0.14	17.57	18.5	1.239	0.182	22.3
Hotspot activated for 5G WIFI Test data(Separate 10mm)										
Front side	RMC	1412/1732.4	1:1	0.0536	-0.13	15.74	16.5	1.191	0.064	22.3
Back side	RMC	1412/1732.4	1:1	0.0717	0.09	15.74	16.5	1.191	0.085	22.3
Left side	RMC	1412/1732.4	1:1	0.077	0.01	15.74	16.5	1.191	0.092	22.3
Right side	RMC	1412/1732.4	1:1	0.00452	-0.03	15.74	16.5	1.191	0.005	22.3
Top side	RMC	1412/1732.4	1:1	0.0845	0.12	15.74	16.5	1.191	0.101	22.3
Top side	RMC	1312/1712.4	1:1	0.0752	0.09	15.74	16.5	1.191	0.090	22.3
Top side	RMC	1513/1752.6	1:1	0.0836	0.07	15.74	16.5	1.191	0.100	22.3

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Hotspot Test Data at the worst case with Battery 2#										
Top side	RMC	1513/1752.6	1:1	0.158	0.06	17.57	18.5	1.239	0.196	22.3
Hotspot Test Data at the worst case with Battery 3#										
Top side	RMC	1513/1752.6	1:1	0.126	0.06	17.57	18.5	1.239	0.156	22.3

Table 19 : SAR of WCDMA Band IV for Head and Body.

Note:

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

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8.3.5 SAR Result Of WCDMA Band II

Ant1 Test data										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	RMC	9400/1880	1:1	0.159	-0.04	23.47	24.5	1.268	0.202	22.3
Left tilted	RMC	9400/1880	1:1	0.0454	0.07	23.47	24.5	1.268	0.058	22.3
Right cheek	RMC	9400/1880	1:1	0.0976	0.07	23.47	24.5	1.268	0.124	22.3
Right tilted	RMC	9400/1880	1:1	0.0662	0.07	23.47	24.5	1.268	0.084	22.3
Left cheek	RMC	9262/1852.4	1:1	0.156	0.04	23.58	24.5	1.236	0.193	22.3
Left cheek	RMC	9538/1907.6	1:1	0.182	0.109	23.38	24.5	1.294	0.236	22.3
Head Test Data at the worst case with Battery 2#										
Left cheek	RMC	9538/1907.6	1:1	0.197	-0.05	23.38	24.5	1.294	0.255	22.3
Head Test Data at the worst case with Battery 3#										
Left cheek	RMC	9538/1907.6	1:1	0.176	0.04	23.38	24.5	1.294	0.228	22.3
Body worn Test data(Separate 15mm)										
Front side	RMC	9400/1880	1:1	0.412	0.05	23.47	24.5	1.268	0.522	22.3
Back side	RMC	9400/1880	1:1	0.421	0.05	23.47	24.5	1.268	0.534	22.3
Back side	RMC	9262/1852.4	1:1	0.415	0.08	23.58	24.5	1.236	0.513	22.3
Back side	RMC	9538/1907.6	1:1	0.486	0.12	23.38	24.5	1.294	0.629	22.3
Body worn Test Data at the worst case with Battery 2#										
Back side	RMC	9538/1907.6	1:1	0.495	0.05	23.38	24.5	1.294	0.641	22.3
Body worn Test Data at the worst case with Battery 3#										
Back side	RMC	9538/1907.6	1:1	0.559	-0.07	23.38	24.5	1.294	0.723	22.3
Body worn Test Data at the worst case with Back cover 1#										
Back side	RMC	9538/1907.6	1:1	0.545	-0.04	23.38	24.5	1.294	0.705	22.3
Body worn Test Data at the worst case with Back cover 2#										
Back side	RMC	9538/1907.6	1:1	0.55	0.01	23.38	24.5	1.294	0.712	22.3
Hotspot Test data(Separate 10mm)										
Front side	RMC	9400/1880	1:1	0.233	0.03	17.96	19	1.271	0.296	22.3
Back side	RMC	9400/1880	1:1	0.244	-0.02	17.96	19	1.271	0.310	22.3
Left side	RMC	9400/1880	1:1	0.0718	-0.03	17.96	19	1.271	0.091	22.3
Right side	RMC	9400/1880	1:1	0.0206	0.06	17.96	19	1.271	0.026	22.3
Bottom side	RMC	9400/1880	1:1	0.451	0.01	17.96	19	1.271	0.573	22.3
Bottom side	RMC	9262/1852.4	1:1	0.423	-0.02	18.05	19	1.245	0.526	22.3
Bottom side	RMC	9538/1907.6	1:1	0.505	0	17.84	19	1.306	0.660	22.3
Hotspot Test Data at the worst case with Battery 2#(10mm)										
Bottom side	RMC	9538/1907.6	1:1	0.524	-0.07	17.84	19	1.306	0.684	22.1
Hotspot Test Data at the worst case with Battery 3#(10mm)										
Bottom side	RMC	9538/1907.6	1:1	0.535	0.01	17.84	19	1.306	0.699	22.1

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Ant2 Test data										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	RMC	9400/1880	1:1	0.35	-0.06	16.64	17.5	1.219	0.427	22.3
Left tilted	RMC	9400/1880	1:1	0.422	0.12	16.64	17.5	1.219	0.514	22.3
Right cheek	RMC	9400/1880	1:1	0.472	0.15	15.63	16.5	1.222	0.577	22.3
Right tilted	RMC	9400/1880	1:1	0.374	0	15.63	16.5	1.222	0.457	22.3
Right cheek	RMC	9262/1852.4	1:1	0.43	0.04	15.69	16.5	1.205	0.518	22.3
Right cheek	RMC	9538/1907.6	1:1	0.482	0.00	15.52	16.5	1.253	0.604	22.3
Head Test Data at the worst case with Battery 2#										
Right cheek	RMC	9538/1907.6	1:1	0.532	-0.04	15.52	16.5	1.253	0.667	22.3
Head Test Data at the worst case with Battery 3#										
Right cheek	RMC	9538/1907.6	1:1	0.49	-0.03	15.52	16.5	1.253	0.614	22.3
Body worn Test data(Separate 15mm)										
Front side	RMC	9400/1880	1:1	0.186	-0.11	20.72	21.5	1.197	0.223	22.3
Back side	RMC	9400/1880	1:1	0.206	-0.02	20.72	21.5	1.197	0.247	22.3
Back side	RMC	9262/1852.4	1:1	0.198	0.12	20.75	21.5	1.189	0.235	22.3
Back side	RMC	9538/1907.6	1:1	0.21	0.15	20.61	21.5	1.227	0.258	22.3
Body worn Test Data at the worst case with Battery 2#										
Back side	RMC	9538/1907.6	1:1	0.216	0.14	20.61	21.5	1.227	0.265	22.3
Body worn Test Data at the worst case with Battery 3#										
Back side	RMC	9538/1907.6	1:1	0.186	0.11	20.61	21.5	1.227	0.228	22.3
Hotspot activated for 2.4G WIFI Test data(Separate 10mm)										
Front side	RMC	9400/1880	1:1	0.12	-0.02	17.73	18.5	1.194	0.143	22.3
Back side	RMC	9400/1880	1:1	0.156	-0.04	17.73	18.5	1.194	0.186	22.3
Left side	RMC	9400/1880	1:1	0.17	0.09	17.73	18.5	1.194	0.203	22.3
Right side	RMC	9400/1880	1:1	0.0315	-0.02	17.73	18.5	1.194	0.038	22.3
Top side	RMC	9400/1880	1:1	0.238	-0.06	17.73	18.5	1.194	0.284	22.3
Top side	RMC	9262/1852.4	1:1	0.235	0.06	17.76	18.5	1.186	0.279	22.3
Top side	RMC	9538/1907.6	1:1	0.235	0.04	17.57	18.5	1.239	0.291	22.3
Hotspot activated for 5G WIFI Test data(Separate 10mm)										
Front side	RMC	9400/1880	1:1	0.0906	-0.03	15.74	16.5	1.191	0.108	22.3
Back side	RMC	9400/1880	1:1	0.1	0.04	15.74	16.5	1.191	0.119	22.3
Left side	RMC	9400/1880	1:1	0.103	-0.08	15.74	16.5	1.191	0.123	22.3
Right side	RMC	9400/1880	1:1	0.0191	-0.12	15.74	16.5	1.191	0.023	22.3
Top side	RMC	9400/1880	1:1	0.141	-0.06	15.74	16.5	1.191	0.168	22.3
Top side	RMC	9262/1852.4	1:1	0.142	-0.18	15.74	16.5	1.191	0.169	22.3
Top side	RMC	9538/1907.6	1:1	0.14	-0.04	15.74	16.5	1.191	0.167	22.3
Hotspot Test Data at the worst case with Battery 2#(10mm)										
Top side	RMC	9538/1907.6	1:1	0.239	-0.16	17.57	18.5	1.239	0.296	22.3

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Hotspot Test Data at the worst case with Battery 3#(10mm)

Top side	RMC	9538/1907.6	1:1	0.228	-0.04	17.57	18.5	1.239	0.282	22.3

Table 20 : SAR of WCDMA Band II for Head and Body.

Note:

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

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8.3.6 SAR Result Of LTE Band 2

Ant1 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_0 offset)											
Left cheek	20	QPSK	18700/1860	1:1	0.146	-0.03	23.16	24	1.213	0.177	22.3
Left tilted	20	QPSK	18700/1860	1:1	0.0542	0.16	23.16	24	1.213	0.066	22.3
Right cheek	20	QPSK	18700/1860	1:1	0.0973	0.15	23.16	24	1.213	0.118	22.3
Right tilted	20	QPSK	18700/1860	1:1	0.0787	0.08	23.16	24	1.213	0.095	22.3
Left cheek	20	QPSK	18900/1880	1:1	0.132	0.06	23.11	24	1.227	0.162	22.3
Left cheek	20	QPSK	19100/1900	1:1	0.125	0.06	23.09	24	1.233	0.154	22.3
Head Test data(50%RB_0 offset)											
Left cheek	20	QPSK	18700/1860	1:1	0.109	0.08	22.05	23	1.245	0.136	22.3
Left tilted	20	QPSK	18700/1860	1:1	0.0393	0.2	22.05	23	1.245	0.049	22.3
Right cheek	20	QPSK	18700/1860	1:1	0.077	0.06	22.05	23	1.245	0.096	22.3
Right tilted	20	QPSK	18700/1860	1:1	0.0567	0.03	22.05	23	1.245	0.071	22.3
Head Test Data at the worst case with Battery 2#											
Left cheek	20	QPSK	18700/1860	1:1	0.164	0.03	23.16	24	1.213	0.199	22.3
Head Test Data at the worst case with Battery 3#											
Left cheek	20	QPSK	18700/1860	1:1	0.154	0.06	23.16	24	1.213	0.187	22.3
Body worn Test data(Separate 15mm 1RB_0 offset)											
Front side	20	QPSK	18700/1860	1:1	0.384	0.15	23.16	24	1.213	0.466	22.3
Back side	20	QPSK	18700/1860	1:1	0.379	0.04	23.16	24	1.213	0.460	22.3
Front side	20	QPSK	18900/1880	1:1	0.385	0.11	23.11	24	1.227	0.473	22.3
Front side	20	QPSK	19100/1900	1:1	0.404	-0.05	23.09	24	1.233	0.498	22.3
Body worn Test data (Separate 15mm 50%RB_0 offset)											
Front side	20	QPSK	18700/1860	1:1	0.293	-0.01	22.05	23	1.245	0.365	22.3
Back side	20	QPSK	18700/1860	1:1	0.295	0.16	22.05	23	1.245	0.367	22.3
Body worn Test Data at the worst case with Battery 2#											
Front side	20	QPSK	19100/1900	1:1	0.493	0	23.09	24	1.233	0.608	22.3
Body worn Test Data at the worst case with Battery 3#											
Front side	20	QPSK	19100/1900	1:1	0.463	0.13	23.09	24	1.233	0.571	22.3
Hotspot Test data(Separate 10mm 1RB_0 offset)											
Front side	20	QPSK	18700/1860	1:1	0.244	-0.02	18.2	19	1.202	0.293	22.3
Back side	20	QPSK	18700/1860	1:1	0.255	0.03	18.2	19	1.202	0.307	22.3
Left side	20	QPSK	18700/1860	1:1	0.0755	0.08	18.2	19	1.202	0.091	22.3
Right side	20	QPSK	18700/1860	1:1	0.0197	0.01	18.2	19	1.202	0.024	22.3
Bottom side	20	QPSK	18700/1860	1:1	0.449	-0.05	18.2	19	1.202	0.540	22.3

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Hotspot Test data (Separate 10mm 50%RB_0 offset)											
Front side	20	QPSK	18700/1860	1:1	0.236	-0.06	18.09	19	1.233	0.291	22.3
Back side	20	QPSK	18700/1860	1:1	0.249	0.06	18.09	19	1.233	0.307	22.3
Left side	20	QPSK	18700/1860	1:1	0.0733	-0.03	18.09	19	1.233	0.090	22.3
Right side	20	QPSK	18700/1860	1:1	0.0185	0.06	18.09	19	1.233	0.023	22.3
Bottom side	20	QPSK	18700/1860	1:1	0.442	-0.03	18.09	19	1.233	0.545	22.3
Bottom side	20	QPSK	18900/1880	1:1	0.442	-0.08	18.03	19	1.250	0.553	22.3
Bottom side	20	QPSK	19100/1900	1:1	0.492	-0.07	17.97	19	1.268	0.624	22.3
Hotspot Test Data at the worst case with Battery 2#											
Bottom side	20	QPSK	19100/1900	1:1	0.586	-0.04	17.97	19	1.268	0.743	22.3
Hotspot Test Data at the worst case with Battery 3#											
Bottom side	20	QPSK	19100/1900	1:1	0.535	-0.03	17.97	19	1.268	0.678	22.3
Ant2 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_0 offset)											
Left cheek	20	QPSK	18700/1860	1:1	0.319	-0.01	17.68	18	1.076	0.343	22.3
Left tilted	20	QPSK	18700/1860	1:1	0.428	0.05	17.68	18	1.076	0.461	22.3
Right cheek	20	QPSK	18700/1860	1:1	0.403	-0.08	15.65	16	1.084	0.437	22.3
Right tilted	20	QPSK	18700/1860	1:1	0.351	-0.01	15.65	16	1.084	0.380	22.3
Head Test data(50%RB_0 offset)											
Left cheek	20	QPSK	18700/1860	1:1	0.313	0.03	17.61	18	1.094	0.342	22.3
Left tilted	20	QPSK	18700/1860	1:1	0.425	0.05	17.61	18	1.094	0.465	22.3
Right cheek	20	QPSK	18700/1860	1:1	0.395	-0.01	15.58	16	1.102	0.435	22.3
Right tilted	20	QPSK	18700/1860	1:1	0.345	-0.06	15.58	16	1.102	0.380	22.3
Left tilted	20	QPSK	18900/1880	1:1	0.461	0.05	17.51	18	1.119	0.516	22.3
Left tilted	20	QPSK	19100/1900	1:1	0.457	0.01	17.47	18	1.130	0.516	22.3
Head Test Data at the worst case with Battery 2#											
Left tilted	20	QPSK	18900/1880	1:1	0.498	0.01	17.51	18	1.119	0.557	22.3
Head Test Data at the worst case with Battery 3#											
Left tilted	20	QPSK	18900/1880	1:1	0.421	0.11	17.51	18	1.119	0.471	22.3
Body worn Test data(Separate 15mm 1RB_0 offset)											
Front side	20	QPSK	18900/1880	1:1	0.189	-0.15	21.26	21.5	1.057	0.200	22.3
Back side	20	QPSK	18900/1880	1:1	0.215	-0.07	21.26	21.5	1.057	0.227	22.3
Body worn Test data (Separate 15mm 50%RB_0 offset)											
Front side	20	QPSK	18900/1880	1:1	0.184	-0.1	21.07	21.5	1.104	0.203	22.3
Back side	20	QPSK	18900/1880	1:1	0.212	-0.08	21.07	21.5	1.104	0.234	22.3
Back side	20	QPSK	18700/1860	1:1	0.204	0	21.06	21.5	1.107	0.226	22.3
Back side	20	QPSK	19100/1900	1:1	0.223	-0.04	20.97	21.5	1.130	0.252	22.3

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Body worn Test data at the worst case with Battery 2#											
Back side	20	QPSK	19100/1900	1:1	0.252	0.02	20.97	21.5	1.130	0.285	22.3
Body worn Test data at the worst case with Battery 3#											
Back side	20	QPSK	19100/1900	1:1	0.18	0	20.97	21.5	1.130	0.203	22.3
Hotspot activated for 2.4G WIFI Test data(Separate 10mm 1RB_50 offset)											
Front side	20	QPSK	18700/1860	1:1	0.143	-0.01	18.37	18.5	1.030	0.147	22.3
Back side	20	QPSK	18700/1860	1:1	0.16	-0.02	18.37	18.5	1.030	0.165	22.3
Left side	20	QPSK	18700/1860	1:1	0.173	-0.13	18.37	18.5	1.030	0.178	22.3
Right side	20	QPSK	18700/1860	1:1	0.0299	0.14	18.37	18.5	1.030	0.031	22.3
Top side	20	QPSK	18700/1860	1:1	0.227	-0.13	18.37	18.5	1.030	0.234	22.3
Hotspot activated for 2.4G WIFI Test data (Separate 10mm 50%RB_0 offset)											
Front side	20	QPSK	18700/1860	1:1	0.148	-0.03	18.07	18.5	1.104	0.163	22.3
Back side	20	QPSK	18700/1860	1:1	0.183	0.06	18.07	18.5	1.104	0.202	22.3
Left side	20	QPSK	18700/1860	1:1	0.174	0.06	18.07	18.5	1.104	0.192	22.3
Right side	20	QPSK	18700/1860	1:1	0.0298	-0.05	18.07	18.5	1.104	0.033	22.3
Top side	20	QPSK	18700/1860	1:1	0.227	-0.09	18.07	18.5	1.104	0.251	22.3
Top side	20	QPSK	18900/1880	1:1	0.242	-0.09	17.98	18.5	1.127	0.273	22.3
Top side	20	QPSK	19100/1900	1:1	0.232	0.08	17.89	18.5	1.151	0.267	22.3
Hotspot activated for 5G WIFI Test data(Separate 10mm 1RB_0 offset)											
Front side	20	QPSK	18700/1860	1:1	0.0867	0.05	16.14	16.5	1.086	0.094	22.3
Back side	20	QPSK	18700/1860	1:1	0.11	0.04	16.14	16.5	1.086	0.120	22.3
Left side	20	QPSK	18700/1860	1:1	0.121	0.02	16.14	16.5	1.086	0.131	22.3
Right side	20	QPSK	18700/1860	1:1	0.0178	0	16.14	16.5	1.086	0.019	22.3
Top side	20	QPSK	18700/1860	1:1	0.145	0.11	16.14	16.5	1.086	0.158	22.3
Top side	20	QPSK	18900/1880	1:1	0.149	-0.04	16.08	16.5	1.102	0.164	22.3
Top side	20	QPSK	19100/1900	1:1	0.148	-0.03	15.92	16.5	1.143	0.169	22.3
Hotspot activated for 5G WIFI Test data (Separate 10mm 50%RB_0 offset)											
Front side	20	QPSK	18700/1860	1:1	0.0836	0	15.99	16.5	1.125	0.094	22.3
Back side	20	QPSK	18700/1860	1:1	0.107	0.01	15.99	16.5	1.125	0.120	22.3
Left side	20	QPSK	18700/1860	1:1	0.117	0.1	15.99	16.5	1.125	0.132	22.3
Right side	20	QPSK	18700/1860	1:1	0.0174	-0.09	15.99	16.5	1.125	0.020	22.3
Top side	20	QPSK	18700/1860	1:1	0.141	0.09	15.99	16.5	1.125	0.159	22.3
Hotspot Test Data at the worst case with Battery 2#											
Top side	20	QPSK	18900/1880	1:1	0.275	-0.08	17.98	18.5	1.127	0.310	22.3
Hotspot Test Data at the worst case with Battery 3#											
Top side	20	QPSK	18900/1880	1:1	0.234	-0.09	17.98	18.5	1.127	0.264	22.3

Table 21 : SAR of LTE Band 2 for Head and Body.

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Note:

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

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8.3.7 SAR Result Of LTE Band 4

Ant1 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_0 offset)											
Left cheek	20	QPSK	20050/1720	1:1	0.117	-0.02	23.62	24	1.091	0.128	22.3
Left tilted	20	QPSK	20050/1720	1:1	0.0523	0.19	23.62	24	1.091	0.057	22.3
Right cheek	20	QPSK	20050/1720	1:1	0.0616	0.13	23.62	24	1.091	0.067	22.3
Right tilted	20	QPSK	20050/1720	1:1	0.0446	0.07	23.62	24	1.091	0.049	22.3
Left cheek	20	QPSK	20175/1732.5	1:1	0.107	-0.03	23.60	24	1.096	0.117	22.3
Left cheek	20	QPSK	20300/1745	1:1	0.113	-0.03	23.57	24	1.104	0.125	22.3
Head Test data(50%RB_0 offset)											
Left cheek	20	QPSK	20050/1720	1:1	0.0735	0.05	21.55	23	1.091	0.08	22.3
Left tilted	20	QPSK	20050/1720	1:1	0.0298	0.11	21.55	23	1.396	0.042	22.3
Right cheek	20	QPSK	20050/1720	1:1	0.039	0.02	21.55	23	1.396	0.054	22.3
Right tilted	20	QPSK	20050/1720	1:1	0.0268	0.02	21.55	23	1.396	0.037	22.3
Head Test Data at the worst case with Battery 2#											
Left cheek	20	QPSK	20050/1720	1:1	0.111	0.08	23.62	24	1.091	0.121	22.3
Head Test Data at the worst case with Battery 3#											
Left cheek	20	QPSK	20050/1720	1:1	0.105	0.08	23.62	24	1.091	0.115	22.3
Body worn Test data(Separate 15mm 1RB_0 offset)											
Front side	20	QPSK	20050/1720	1:1	0.3	-0.07	23.62	24	1.091	0.327	22.3
Back side	20	QPSK	20050/1720	1:1	0.255	0.12	23.62	24	1.091	0.278	22.3
Front side	20	QPSK	20175/1732.5	1:1	0.321	-0.08	23.60	24	1.096	0.352	22.3
Front side	20	QPSK	20300/1745	1:1	0.332	0.14	23.57	24	1.104	0.367	22.3
Body worn Test data (Separate 15mm 50%RB_0 offset)											
Front side	20	QPSK	20050/1720	1:1	0.186	0.04	21.55	23	1.396	0.260	22.3
Back side	20	QPSK	20050/1720	1:1	0.168	0.06	21.55	23	1.396	0.235	22.3
Body worn Test Data at the worst case with Battery 2#											
Front side	20	QPSK	20300/1745	1:1	0.386	0.11	23.57	24	1.104	0.426	22.3
Body worn Test Data at the worst case with Battery 3#											
Front side	20	QPSK	20300/1745	1:1	0.371	0.07	23.57	24	1.104	0.410	22.3
Hotspot Test data (Separate 10mm 1RB_0 offset)											
Front side	20	QPSK	20050/1720	1:1	0.224	0.07	19.68	20	1.076	0.241	22.3
Back side	20	QPSK	20050/1720	1:1	0.198	0.11	19.68	20	1.076	0.213	22.3
Left side	20	QPSK	20050/1720	1:1	0.0447	-0.16	19.68	20	1.076	0.048	22.3
Right side	20	QPSK	20050/1720	1:1	0.0152	0.05	19.68	20	1.076	0.016	22.3
Bottom side	20	QPSK	20050/1720	1:1	0.419	-0.06	19.68	20	1.076	0.451	22.3
Hotspot Test data (Separate 10mm 50%RB_0 offset)											
Front side	20	QPSK	20050/1720	1:1	0.228	0.05	19.63	20	1.089	0.248	22.3
Back side	20	QPSK	20050/1720	1:1	0.204	0.06	19.63	20	1.089	0.222	22.3
Left side	20	QPSK	20050/1720	1:1	0.0456	0.02	19.63	20	1.089	0.050	22.3

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Right side	20	QPSK	20050/1720	1:1	0.0158	0.02	19.63	20	1.089	0.017	22.3
Bottom side	20	QPSK	20050/1720	1:1	0.427	0.01	19.63	20	1.089	0.465	22.3
Bottom side	20	QPSK	20175/1732.5	1:1	0.489	0.05	19.57	20	1.104	0.540	22.3
Bottom side	20	QPSK	20300/1745	1:1	0.534	0.03	19.53	20	1.114	0.595	22.3
Hotspot Test Data at the worst case with Battery 2#											
Bottom side	20	QPSK	20300/1745	1:1	0.634	-0.05	19.53	20	1.114	0.706	22.3
Hotspot Test Data at the worst case with Battery 3#											
Bottom side	20	QPSK	20300/1745	1:1	0.588	-0.03	19.53	20	1.114	0.655	22.3
Ant2 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_0 offset)											
Left cheek	20	QPSK	20050/1720	1:1	0.307	0.01	20.47	20.5	1.007	0.309	22.3
Left tilted	20	QPSK	20050/1720	1:1	0.449	0.1	20.47	20.5	1.007	0.452	22.3
Right cheek	20	QPSK	20050/1720	1:1	0.356	-0.04	17.96	18	1.009	0.359	22.3
Right tilted	20	QPSK	20050/1720	1:1	0.316	0.06	17.96	18	1.009	0.319	22.3
Left tilted	20	QPSK	20300/1745	1:1	0.455	0.09	20.41	20.5	1.021	0.465	22.3
Left tilted	20	QPSK	20175/1732.5	1:1	0.434	0	20.46	20.5	1.009	0.438	22.3
Head Test data(50%RB_25 offset)											
Left cheek	20	QPSK	20050/1720	1:1	0.314	0.06	20.47	20.5	1.007	0.316	22.3
Left tilted	20	QPSK	20050/1720	1:1	0.445	0.16	20.47	20.5	1.007	0.448	22.3
Right cheek	20	QPSK	20050/1720	1:1	0.362	0.05	17.98	18	1.005	0.364	22.3
Right tilted	20	QPSK	20050/1720	1:1	0.313	0.08	17.98	18	1.005	0.314	22.3
Head Test Data at the worst case with Battery 2#											
Left tilted	20	QPSK	20300/1745	1:1	0.475	0.01	20.47	20.5	1.007	0.478	22.3
Head Test Data at the worst case with Battery 3#											
Left tilted	20	QPSK	20300/1745	1:1	0.334	0.05	20.47	20.5	1.007	0.336	22.3
Body worn Test data(Separate 15mm 1RB_99 offset)											
Front side	20	QPSK	20050/1720	1:1	0.116	-0.19	21.46	21.5	1.009	0.117	22.3
Back side	20	QPSK	20050/1720	1:1	0.129	-0.04	21.46	21.5	1.009	0.130	22.3
Back side	20	QPSK	20175/1732.5	1:1	0.14	0.09	21.44	21.5	1.014	0.142	22.3
Back side	20	QPSK	20300/1745	1:1	0.146	0.07	21.42	21.5	1.019	0.149	22.3
Body worn Test data (Separate 15mm 50%RB_0 offset)											
Front side	20	QPSK	20050/1720	1:1	0.105	0.15	21.48	21.5	1.005	0.105	22.3
Back side	20	QPSK	20050/1720	1:1	0.121	0.05	21.48	21.5	1.005	0.122	22.3
Body worn Test Data at the worst case with Battery 2#											
Back side	20	QPSK	20300/1745	1:1	0.177	0.07	21.42	21.5	1.019	0.180	22.3
Body worn Test Data at the worst case with Battery 3#											
Back side	20	QPSK	20300/1745	1:1	0.117	0.1	21.42	21.5	1.019	0.119	22.3
Hotspot activated for 2.4G WIFI Test data(Separate 10mm 1RB_0 offset)											
Front side	20	QPSK	20050/1720	1:1	0.0734	-0.07	18.47	18.5	1.007	0.074	22.3
Back side	20	QPSK	20050/1720	1:1	0.105	0.05	18.47	18.5	1.007	0.106	22.3

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Left side	20	QPSK	20050/1720	1:1	0.103	0.05	18.47	18.5	1.007	0.104	22.3
Right side	20	QPSK	20050/1720	1:1	0.00656	0.13	18.47	18.5	1.007	0.007	22.3
Top side	20	QPSK	20050/1720	1:1	0.132	0.01	18.47	18.5	1.007	0.133	22.3
Top side	20	QPSK	20175/1732.5	1:1	0.141	0.08	18.4	18.5	1.023	0.144	22.3
Top side	20	QPSK	20300/1745	1:1	0.144	0.05	18.42	18.5	1.019	0.147	22.3
Hotspot activated for 2.4G WIFI Test data (Separate 10mm 50%RB_25 offset)											
Front side	20	QPSK	20050/1720	1:1	0.0745	-0.08	18.49	18.5	1.002	0.075	22.3
Back side	20	QPSK	20050/1720	1:1	0.11	0.09	18.49	18.5	1.002	0.110	22.3
Left side	20	QPSK	20050/1720	1:1	0.0993	0.03	18.49	18.5	1.002	0.100	22.3
Right side	20	QPSK	20050/1720	1:1	0.00582	0.01	18.49	18.5	1.002	0.006	22.3
Top side	20	QPSK	20050/1720	1:1	0.131	0.03	18.49	18.5	1.002	0.131	22.3
Hotspot activated for 5G WIFI Test data(Separate 10mm 1RB_99 offset)											
Front side	20	QPSK	20050/1720	1:1	0.0472	0.05	16.48	16.5	1.005	0.047	22.3
Back side	20	QPSK	20050/1720	1:1	0.068	0.14	16.48	16.5	1.005	0.068	22.3
Left side	20	QPSK	20050/1720	1:1	0.067	0.09	16.48	16.5	1.005	0.067	22.3
Right side	20	QPSK	20050/1720	1:1	0.00286	-0.08	16.48	16.5	1.005	0.003	22.3
Top side	20	QPSK	20050/1720	1:1	0.0818	0.01	16.48	16.5	1.005	0.082	22.3
Top side	20	QPSK	20175/1732.5	1:1	0.0839	0.06	16.36	16.5	1.033	0.087	22.3
Top side	20	QPSK	20300/1745	1:1	0.0853	0.04	16.39	16.5	1.026	0.087	22.3
Hotspot activated for 5G WIFI Test data (Separate 10mm 50%RB_0 offset)											
Front side	20	QPSK	20050/1720	1:1	0.0453	0.06	16.47	16.5	1.007	0.046	22.3
Back side	20	QPSK	20050/1720	1:1	0.0633	0.13	16.47	16.5	1.007	0.064	22.3
Left side	20	QPSK	20050/1720	1:1	0.0621	0.01	16.47	16.5	1.007	0.063	22.3
Right side	20	QPSK	20050/1720	1:1	0.00254	-0.03	16.47	16.5	1.007	0.003	22.3
Top side	20	QPSK	20050/1720	1:1	0.078	0.01	16.47	16.5	1.007	0.079	22.3
Hotspot Test Data at the worst case with Battery 2#											
Top side	20	QPSK	20300/1745	1:1	0.155	0.13	18.42	18.5	1.019	0.158	22.3
Hotspot Test Data at the worst case with Battery 3#											
Top side	20	QPSK	20300/1745	1:1	0.117	0.02	18.42	18.5	1.019	0.119	22.3

Table 22 : SAR of LTE Band 4 for Head and Body.

Note:

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

8.3.8 SAR Result Of LTE Band 5

Ant1 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_0 offset)											
Left cheek	10	QPSK	20450/829	1:1	0.0991	0.04	23.38	24.5	1.294	0.128	22.3
Left tilted	10	QPSK	20450/829	1:1	0.08	0.11	23.38	24.5	1.294	0.104	22.3
Right cheek	10	QPSK	20450/829	1:1	0.161	0.03	23.38	24.5	1.294	0.208	22.3
Right tilted	10	QPSK	20450/829	1:1	0.0675	0.17	23.38	24.5	1.294	0.087	22.3
Right cheek	10	QPSK	20525/836.5	1:1	0.181	0.03	23.33	24.5	1.309	0.237	22.3
Right cheek	10	QPSK	20600/844	1:1	0.21	0.13	23.36	24.5	1.300	0.273	22.3
Head Test data(50%RB_0 offset)											
Left cheek	10	QPSK	20600/844	1:1	0.0956	-0.13	21.92	23.5	1.439	0.138	22.3
Left tilted	10	QPSK	20600/844	1:1	0.0584	0.05	21.92	23.5	1.439	0.084	22.3
Right cheek	10	QPSK	20600/844	1:1	0.158	0.19	21.92	23.5	1.439	0.227	22.3
Right tilted	10	QPSK	20600/844	1:1	0.0634	0.2	21.92	23.5	1.439	0.091	22.3
Head Test Data at the worst case with Battery 2#											
Right cheek	10	QPSK	20600/844	1:1	0.214	-0.09	23.36	24.5	1.300	0.278	22.3
Head Test Data at the worst case with Battery 3#											
Right cheek	10	QPSK	20600/844	1:1	0.213	0	23.36	24.5	1.300	0.277	22.3
Body worn Test data(Separate 15mm 1RB_0 offset)											
Front side	10	QPSK	20450/829	1:1	0.193	-0.02	23.38	24.5	1.294	0.250	22.3
Back side	10	QPSK	20450/829	1:1	0.234	0.05	23.38	24.5	1.294	0.303	22.3
Back side	10	QPSK	20525/836.5	1:1	0.255	0.05	23.33	24.5	1.309	0.334	22.3
Back side	10	QPSK	20600/844	1:1	0.279	0.06	23.36	24.5	1.300	0.363	22.3
Body worn Test data (Separate 15mm 50%RB_0 offset)											
Front side	10	QPSK	20600/844	1:1	0.167	-0.08	21.92	23.5	1.439	0.240	22.3
Back side	10	QPSK	20600/844	1:1	0.204	0.07	21.92	23.5	1.439	0.294	22.3
Body worn Test data at the worst case with Battery 2#											
Back side	10	QPSK	20600/844	1:1	0.246	0.03	23.38	24.5	1.294	0.318	22.3
Body worn Test data at the worst case with Battery 3#											
Back side	10	QPSK	20600/844	1:1	0.259	0.06	23.38	24.5	1.294	0.335	22.3
Hotspot Test data(Separate 10mm 1RB_0 offset)											
Front side	10	QPSK	20450/829	1:1	0.281	-0.01	23.38	24.5	1.294	0.364	22.3
Back side	10	QPSK	20450/829	1:1	0.406	0.06	23.38	24.5	1.294	0.525	22.3
Left side	10	QPSK	20450/829	1:1	0.106	0.1	23.38	24.5	1.294	0.137	22.3
Right side	10	QPSK	20450/829	1:1	0.298	0.09	23.38	24.5	1.294	0.386	22.3

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Bottom side	10	QPSK	20450/829	1:1	0.213	0.07	23.38	24.5	1.294	0.276	22.3
Back side	10	QPSK	20525/836.5	1:1	0.364	0.07	23.33	24.5	1.309	0.477	22.3
Back side	10	QPSK	20600/844	1:1	0.405	0.07	23.36	24.5	1.300	0.527	22.3
Hotspot Test data (Separate 10mm 50%RB_0 offset)											
Front side	10	QPSK	20600/844	1:1	0.22	-0.07	21.92	23.5	1.439	0.317	22.3
Back side	10	QPSK	20600/844	1:1	0.364	0.05	21.92	23.5	1.439	0.524	22.3
Left side	10	QPSK	20600/844	1:1	0.0891	0.1	21.92	23.5	1.439	0.128	22.3
Right side	10	QPSK	20600/844	1:1	0.276	0.06	21.92	23.5	1.439	0.397	22.3
Bottom side	10	QPSK	20600/844	1:1	0.186	0.09	21.92	23.5	1.439	0.268	22.3
Hotspot Test data at the worst case with Battery 2#											
Back side	10	QPSK	20600/844	1:1	0.424	0.06	23.38	24.5	1.294	0.549	22.3
Hotspot Test data at the worst case with Battery 3#											
Back side	10	QPSK	20600/844	1:1	0.411	0.11	23.38	24.5	1.294	0.532	22.3
Ant2 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB offset)											
Left cheek	10	QPSK	20450/829	1:1	0.586	-0.06	19.66	20.5	1.213	0.711	22.3
Left tilted	10	QPSK	20450/829	1:1	0.447	-0.01	19.66	20.5	1.213	0.542	22.3
Right cheek	10	QPSK	20525/836.5	1:1	0.575	-0.04	19.61	20.5	1.227	0.706	22.3
Right tilted	10	QPSK	20525/836.5	1:1	0.49	0.05	19.61	20.5	1.227	0.601	22.3
Left cheek	10	QPSK	20525/836.5	1:1	0.566	-0.2	19.61	20.5	1.227	0.695	22.3
Left cheek	10	QPSK	20600/844	1:1	0.569	0.02	19.6	20.5	1.230	0.700	22.3
Head Test data(50%RB offset)											
Left cheek	10	QPSK	20450/829	1:1	0.584	-0.12	19.69	20.5	1.205	0.704	22.3
Left tilted	10	QPSK	20450/829	1:1	0.447	0.04	19.69	20.5	1.205	0.539	22.3
Right cheek	10	QPSK	20525/836.5	1:1	0.573	0.03	19.62	20.5	1.225	0.702	22.3
Right tilted	10	QPSK	20525/836.5	1:1	0.478	0.06	19.62	20.5	1.225	0.585	22.3
Head Test Data at the worst case with Battery 2#											
Left cheek	10	QPSK	20450/829	1:1	0.559	0.07	19.66	20.5	1.213	0.678	22.3
Head Test Data at the worst case with Battery 3#											
Left cheek	10	QPSK	20450/829	1:1	0.554	0.12	19.66	20.5	1.213	0.672	22.3
Body worn Test data(Separate 15mm 1RB_0 offset)											
Front side	10	QPSK	20450/829	1:1	0.223	-0.04	23.71	24.5	1.199	0.267	22.3
Back side	10	QPSK	20450/829	1:1	0.219	0	23.71	24.5	1.199	0.263	22.3
Front side	10	QPSK	20525/836.5	1:1	0.221	0.12	23.65	24.5	1.216	0.269	22.3
Front side	10	QPSK	20600/844	1:1	0.22	0.14	23.63	24.5	1.222	0.269	22.3

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Body worn Test data (Separate 15mm 50%RB_0 offset)											
Front side	10	QPSK	20450/829	1:1	0.155	0.14	22.13	23.5	1.371	0.212	22.3
Back side	10	QPSK	20450/829	1:1	0.152	0	22.13	23.5	1.371	0.208	22.3
Body worn Test Data at the worst case with Battery 2#											
Front side	10	QPSK	20525/836.5	1:1	0.261	0.13	23.65	24.5	1.216	0.317	22.3
Body worn Test Data at the worst case with Battery 3#											
Front side	10	QPSK	20525/836.5	1:1	0.237	0.08	23.65	24.5	1.216	0.288	22.3
Hotspot activated for 2.4G WIFI Test data(Separate 10mm 1RB_0 offset)											
Front side	10	QPSK	20450/829	1:1	0.229	0.1	20.58	21.5	1.236	0.283	22.3
Back side	10	QPSK	20450/829	1:1	0.233	-0.02	20.58	21.5	1.236	0.288	22.3
Left side	10	QPSK	20450/829	1:1	0.0887	-0.01	20.58	21.5	1.236	0.110	22.3
Right side	10	QPSK	20450/829	1:1	0.0211	0.06	20.58	21.5	1.236	0.026	22.3
Top side	10	QPSK	20450/829	1:1	0.157	0.05	20.58	21.5	1.236	0.194	22.3
Back side	10	QPSK	20525/836.5	1:1	0.199	-0.02	20.5	21.5	1.259	0.251	22.3
Back side	10	QPSK	20600/844	1:1	0.204	0.02	20.42	21.5	1.282	0.262	22.3
Hotspot activated for 2.4G WIFI Test data (Separate 10mm 50%RB_0 offset)											
Front side	10	QPSK	20450/829	1:1	0.215	0.1	20.53	21.5	1.250	0.269	22.3
Back side	10	QPSK	20450/829	1:1	0.185	-0.04	20.53	21.5	1.250	0.231	22.3
Left side	10	QPSK	20450/829	1:1	0.0908	0.12	20.53	21.5	1.250	0.114	22.3
Right side	10	QPSK	20450/829	1:1	0.0197	0.16	20.53	21.5	1.250	0.025	22.3
Top side	10	QPSK	20450/829	1:1	0.155	0.07	20.53	21.5	1.250	0.194	22.3
Hotspot activated for 5G WIFI Test data(Separate 10mm 1RB_0 offset)											
Front side	10	QPSK	20450/829	1:1	0.143	0.16	18.53	19.5	1.250	0.179	22.3
Back side	10	QPSK	20450/829	1:1	0.144	0.05	18.53	19.5	1.250	0.180	22.3
Left side	10	QPSK	20450/829	1:1	0.0604	0.1	18.53	19.5	1.250	0.076	22.3
Right side	10	QPSK	20450/829	1:1	0.0132	0.01	18.53	19.5	1.250	0.017	22.3
Top side	10	QPSK	20450/829	1:1	0.102	0.06	18.53	19.5	1.250	0.128	22.3
Hotspot activated for 5G WIFI Test data (Separate 10mm 50%RB_0 offset)											
Front side	10	QPSK	20450/829	1:1	0.145	0.17	18.56	19.5	1.242	0.180	22.3
Back side	10	QPSK	20450/829	1:1	0.144	0.03	18.56	19.5	1.242	0.179	22.3
Left side	10	QPSK	20450/829	1:1	0.0604	0.13	18.56	19.5	1.242	0.075	22.3
Right side	10	QPSK	20450/829	1:1	0.0127	0.12	18.56	19.5	1.242	0.016	22.3
Top side	10	QPSK	20450/829	1:1	0.102	0.01	18.56	19.5	1.242	0.127	22.3
Front side	10	QPSK	20525/836.5	1:1	0.13	-0.05	18.51	19.5	1.256	0.163	22.3
Front side	10	QPSK	20600/844	1:1	0.133	0.19	18.49	19.5	1.262	0.168	22.3
Hotspot Test Data at the worst case with Battery 2#											
Back side	10	QPSK	20450/829	1:1	0.208	0.08	20.58	21.5	1.236	0.257	22.3

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Hotspot Test Data at the worst case with Battery 3#											
Back side	10	QPSK	20450/829	1:1	0.238	0.01	20.58	21.5	1.236	0.294	22.3
Ant2 Additional Test data(simultaneous transmission with 5G WIFI+BT)											
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 offset)											
Left cheek	10	QPSK	20450/829	1:1	0.158	-0.08	14.44	15.5	1.276	0.202	22.3

Table 23 : SAR of LTE Band 5 for Head and Body.

Note:

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

8.3.9 SAR Result Of LTE Band 7

Ant1 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_99 offset)											
Left cheek	20	QPSK	21100/2535	1:1	0.0548	0.04	22.86	23.8	1.242	0.068	22.3
Left tilted	20	QPSK	21100/2535	1:1	0.0853	-0.05	22.86	23.8	1.242	0.106	22.3
Right cheek	20	QPSK	21100/2535	1:1	0.0842	0.02	22.86	23.8	1.242	0.105	22.3
Right tilted	20	QPSK	21100/2535	1:1	0.0775	-0.17	22.86	23.8	1.242	0.096	22.3
Left tilted	20	QPSK	20850/2510	1:1	0.0722	0.08	22.82	23.8	1.253	0.090	22.3
Left tilted	20	QPSK	21350/2560	1:1	0.0888	0.05	22.83	23.8	1.250	0.111	22.3
Head Test data(50%RB_0 offset)											
Left cheek	20	QPSK	21100/2535	1:1	0.042	0.05	21.29	22.8	1.416	0.059	22.3
Left tilted	20	QPSK	21100/2535	1:1	0.0564	0.04	21.29	22.8	1.416	0.080	22.3
Right cheek	20	QPSK	21100/2535	1:1	0.0566	0.03	21.29	22.8	1.416	0.080	22.3
Right tilted	20	QPSK	21100/2535	1:1	0.0618	0.06	21.29	22.8	1.416	0.087	22.3
Head Test Data at the worst case with Battery 2#											
Left tilted	20	QPSK	21350/2560	1:1	0.0909	-0.2	22.83	23.8	1.250	0.114	22.3
Head Test Data at the worst case with Battery 3#											
Left tilted	20	QPSK	21350/2560	1:1	0.099	0.02	22.83	23.8	1.250	0.124	22.3
Body worn Test data(Separate 15mm 1RB_99 offset)											
Front side	20	QPSK	21100/2535	1:1	0.337	-0.08	22.86	23.8	1.242	0.418	22.3
Back side	20	QPSK	21100/2535	1:1	0.294	-0.15	22.86	23.8	1.242	0.365	22.3
Front side	20	QPSK	20850/2510	1:1	0.273	-0.12	22.82	23.8	1.253	0.342	22.3
Front side	20	QPSK	21350/2560	1:1	0.327	0.12	22.83	23.8	1.250	0.409	22.3
Body worn Test data (Separate 15mm 50%RB_0 offset)											
Front side	20	QPSK	21100/2535	1:1	0.228	0.18	21.29	22.8	1.416	0.323	22.3
Back side	20	QPSK	21100/2535	1:1	0.2	-0.09	21.29	22.8	1.416	0.283	22.3
Body worn Test Data at the worst case with Battery 2#											
Front side	20	QPSK	21100/2535	1:1	0.289	-0.12	22.86	23.8	1.242	0.359	22.3
Body worn Test Data at the worst case with Battery 3#											
Front side	20	QPSK	21100/2535	1:1	0.295	0.16	22.86	23.8	1.242	0.366	22.3
Hotspot Test data(Separate 10mm 1RB_99 offset)											
Front side	20	QPSK	21100/2535	1:1	0.311	0.05	19.86	20.8	1.242	0.386	22.3
Back side	20	QPSK	21100/2535	1:1	0.395	-0.05	19.86	20.8	1.242	0.490	22.3

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Left side	20	QPSK	21100/2535	1:1	0.122	-0.03	19.86	20.8	1.242	0.151	22.3
Right side	20	QPSK	21100/2535	1:1	0.249	0.05	19.86	20.8	1.242	0.309	22.3
Bottom side	20	QPSK	21100/2535	1:1	0.611	0.02	19.86	20.8	1.242	0.759	22.3
Bottom side	20	QPSK	20850/2510	1:1	0.568	0.12	19.81	20.8	1.256	0.713	22.3
Bottom side	20	QPSK	21350/2560	1:1	0.735	0.03	19.82	20.8	1.253	0.921	22.3
Hotspot Test data (Separate 10mm 50%RB_0 offset)											
Front side	20	QPSK	21100/2535	1:1	0.302	0.07	19.79	20.8	1.262	0.381	22.3
Back side	20	QPSK	21100/2535	1:1	0.366	0.04	19.79	20.8	1.262	0.462	22.3
Left side	20	QPSK	21100/2535	1:1	0.109	0.18	19.79	20.8	1.262	0.138	22.3
Right side	20	QPSK	21100/2535	1:1	0.234	0.15	19.79	20.8	1.262	0.295	22.3
Bottom side	20	QPSK	21100/2535	1:1	0.531	0.18	19.79	20.8	1.262	0.67	22.3
Hotspot Test Data(Separate 10mm 100%RB_0 offset)											
Bottom side	20	QPSK	21350/2560	1:1	0.676	0.01	19.71	20.8	1.285	0.869	22.3
Hotspot Test Data at the worst case with Battery 2#											
Bottom side	20	QPSK	21350/2560	1:1	0.6	0.01	19.82	20.8	1.253	0.752	22.3
Hotspot Test Data at the worst case with Battery 3#											
Bottom side	20	QPSK	21350/2560	1:1	0.619	0.06	19.82	20.8	1.253	0.776	22.3
Hotspot Test Data at the worst case with Back cover 1#											
Bottom side	20	QPSK	21350/2560	1:1	0.658	-0.03	19.82	20.8	1.253	0.825	22.3
Hotspot Test Data at the worst case with Back cover 2#											
Bottom side	20	QPSK	21350/2560	1:1	0.671	-0.09	19.82	20.8	1.253	0.841	22.3
Ant2 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_99 offset)											
Left cheek	20	QPSK	21100/2535.5	1:1	0.428	0.06	15.89	16.3	1.099	0.470	22.3
Left tilted	20	QPSK	21100/2535.5	1:1	0.564	0.06	15.89	16.3	1.099	0.620	22.3
Right cheek	20	QPSK	21100/2535.5	1:1	0.516	0.17	14.94	15.3	1.086	0.561	22.3
Right tilted	20	QPSK	21100/2535.5	1:1	0.613	0.02	14.94	15.3	1.086	0.666	22.3
Head Test data(50%RB_50 offset)											
Left cheek	20	QPSK	21100/2535.5	1:1	0.408	0.1	15.79	16.3	1.125	0.459	22.3
Left tilted	20	QPSK	21100/2535.5	1:1	0.533	0.14	15.79	16.3	1.125	0.599	22.3
Right cheek	20	QPSK	21100/2535.5	1:1	0.492	0.07	14.72	15.3	1.143	0.562	22.3
Right tilted	20	QPSK	21100/2535.5	1:1	0.585	0.02	14.72	15.3	1.143	0.669	22.3
Right tilted	20	QPSK	20850/2510	1:1	0.559	0.18	14.71	15.3	1.146	0.640	22.3
Right tilted	20	QPSK	21350/2560	1:1	0.749	0.09	14.69	15.3	1.151	0.862	22.3

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Head Test Data at the worst case with Battery 2#											
Right tilted	20	QPSK	21350/2560	1:1	0.852	0.15	14.69	15.3	1.151	0.980	22.3
Right tilted - Repeated	20	QPSK	21350/2560	1:1	0.856	0.09	14.69	15.3	1.151	0.985	22.3

Head Test Data at the worst case with Battery 3#											
Right tilted	20	QPSK	21350/2560	1:1	0.673	0.09	14.69	15.3	1.151	0.774	22.3
Body worn Test data(Separate 15mm 1RB_99 offset)											
Front side	20	QPSK	20850/2510	1:1	0.0931	-0.08	18.28	19.3	1.265	0.118	22.3
Back side	20	QPSK	20850/2510	1:1	0.117	-0.05	18.28	19.3	1.265	0.148	22.3
Back side	20	QPSK	21100/2535.5	1:1	0.135	0.02	18.19	19.3	1.291	0.174	22.3
Back side	20	QPSK	21350/2560	1:1	0.156	-0.05	18.07	19.3	1.327	0.207	22.3
Body worn Test data (Separate 15mm 50%RB_0 offset)											
Front side	20	QPSK	20850/2510	1:1	0.0878	0.01	18.22	19.3	1.282	0.113	22.3
Back side	20	QPSK	20850/2510	1:1	0.109	-0.06	18.22	19.3	1.282	0.140	22.3
Body worn Test Data at the worst case with Battery 2#											
Back side	20	QPSK	21350/2560	1:1	0.136	0.04	18.07	19.3	1.327	0.181	22.3
Body worn Test Data at the worst case with Battery 3#											
Back side	20	QPSK	21350/2560	1:1	0.14	-0.01	18.07	19.3	1.327	0.186	22.3
Hotspot activated for 2.4G WIFI Test data (Separate 10mm 1RB_0 offset)											
Front side	20	QPSK	20850/2510	1:1	0.078	0.03	15.3	16.3	1.259	0.098	22.3
Back side	20	QPSK	20850/2510	1:1	0.106	0.07	15.3	16.3	1.259	0.133	22.3
Left side	20	QPSK	20850/2510	1:1	0.0774	0.11	15.3	16.3	1.259	0.097	22.3
Right side	20	QPSK	20850/2510	1:1	0.0109	-0.03	15.3	16.3	1.259	0.014	22.3
Top side	20	QPSK	20850/2510	1:1	0.259	0.05	15.3	16.3	1.259	0.326	22.3
Hotspot activated for 2.4G WIFI Test data (Separate 10mm 50%RB_0 offset)											
Front side	20	QPSK	20850/2510	1:1	0.0767	-0.02	15.28	16.3	1.265	0.097	22.3
Back side	20	QPSK	20850/2510	1:1	0.107	-0.07	15.28	16.3	1.265	0.135	22.3
Left side	20	QPSK	20850/2510	1:1	0.0708	-0.08	15.28	16.3	1.265	0.090	22.3
Right side	20	QPSK	20850/2510	1:1	0.0116	-0.04	15.28	16.3	1.265	0.015	22.3
Top side	20	QPSK	20850/2510	1:1	0.27	0.09	15.28	16.3	1.265	0.341	22.3
Top side	20	QPSK	21100/2535.5	1:1	0.319	0.04	15.12	16.3	1.312	0.419	22.3
Top side	20	QPSK	21350/2560	1:1	0.369	0.03	15.01	16.3	1.346	0.497	22.3
Hotspot activated for 5G WIFI Test data (Separate 10mm 1RB_0 offset)											
Front side	20	QPSK	21100/2535.5	1:1	0.0775	-0.11	13.31	14.3	1.256	0.097	22.3
Back side	20	QPSK	21100/2535.5	1:1	0.12	-0.02	13.31	14.3	1.256	0.151	22.3

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Left side	20	QPSK	21100/2535.5	1:1	0.0629	0.07	13.31	14.3	1.256	0.079	22.3
Right side	20	QPSK	21100/2535.5	1:1	0.00643	0.08	13.31	14.3	1.256	0.008	22.3
Top side	20	QPSK	21100/2535.5	1:1	0.201	0.19	13.31	14.3	1.256	0.252	22.3

Hotspot activated for 5G WIFI Test data (Separate 10mm 50%RB_50 offset)											
Front side	20	QPSK	21100/2535.5	1:1	0.0788	0.07	13.19	14.3	1.291	0.102	22.3
Back side	20	QPSK	21100/2535.5	1:1	0.108	-0.1	13.19	14.3	1.291	0.139	22.3
Left side	20	QPSK	21100/2535.5	1:1	0.0637	-0.1	13.19	14.3	1.291	0.082	22.3
Right side	20	QPSK	21100/2535.5	1:1	0.005	0.06	13.19	14.3	1.291	0.006	22.3
Top side	20	QPSK	21100/2535.5	1:1	0.205	0.16	13.19	14.3	1.291	0.265	22.3
Top side	20	QPSK	20850/2510	1:1	0.182	0.02	13.16	14.3	1.300	0.237	22.3
Top side	20	QPSK	21350/2560	1:1	0.201	0.19	13.03	14.3	1.340	0.269	22.3
Hotspot Test Data at the worst case with Battery 2#											
Top side	20	QPSK	21350/2560	1:1	0.366	0.05	15.01	16.3	1.346	0.493	22.3
Hotspot Test Data at the worst case with Battery 3#											
Top side	20	QPSK	21350/2560	1:1	0.307	0.02	15.01	16.3	1.346	0.413	22.3
Ant2 Additional Test data(simultaneous transmission with 5G WIFI+BT)											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_99 offset)											
Right tilted	20	QPSK	21350/2560	1:1	0.206	-0.08	9.87	10.8	1.239	0.255	22.3

Table 24 : SAR of LTE Band 7 for Head and Body.

Note:

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

8.3.10 SAR Result Of LTE Band 12

Ant1 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_49 offset)											
Left cheek	10	QPSK	23130/711	1:1	0.099	0.12	22.97	24	1.268	0.125	22.3
Left tilted	10	QPSK	23130/711	1:1	0.082	-0.02	22.97	24	1.268	0.104	22.3
Right cheek	10	QPSK	23130/711	1:1	0.14	0.01	22.97	24	1.268	0.177	22.3
Right tilted	10	QPSK	23130/711	1:1	0.079	0.13	22.97	24	1.268	0.100	22.3
Right cheek	10	QPSK	23060/704	1:1	0.136	-0.01	22.9	24	1.288	0.175	22.3
Right cheek	10	QPSK	23095/707.5	1:1	0.147	-0.03	22.96	24	1.271	0.187	22.3
Head Test data(50%RB_25 offset)											
Left cheek	10	QPSK	23130/711	1:1	0.0782	-0.18	21.91	23	1.285	0.101	22.3
Left tilted	10	QPSK	23130/711	1:1	0.0617	0.2	21.91	23	1.285	0.079	22.3
Right cheek	10	QPSK	23130/711	1:1	0.109	0.12	21.91	23	1.285	0.140	22.3
Right tilted	10	QPSK	23130/711	1:1	0.0617	0.15	21.91	23	1.285	0.079	22.3
Head Test Data at the worst case with Battery 2#											
Right cheek	10	QPSK	23095/707.5	1:1	0.153	0.06	22.96	24	1.271	0.194	22.3
Head Test Data at the worst case with Battery 3#											
Right cheek	10	QPSK	23095/707.5	1:1	0.145	0.02	22.96	24	1.271	0.184	22.3
Body worn Test data(Separate 15mm 1RB_49 offset)											
Front side	10	QPSK	23130/711	1:1	0.197	0.02	22.97	24	1.268	0.250	22.3
Back side	10	QPSK	23130/711	1:1	0.251	0.01	22.97	24	1.268	0.318	22.3
Back side	10	QPSK	23060/704	1:1	0.227	-0.01	22.9	24	1.288	0.292	22.3
Back side	10	QPSK	23095/707.5	1:1	0.239	0.03	22.96	24	1.271	0.304	22.3
Body worn Test data (Separate 15mm 50%RB_25 offset)											
Front side	10	QPSK	23130/711	1:1	0.156	-0.01	21.91	23	1.285	0.201	22.3
Back side	10	QPSK	23130/711	1:1	0.202	0	21.91	23	1.285	0.260	22.3
Body worn Data at the worst case with Battery 2#											
Back side	10	QPSK	23130/711	1:1	0.26	-0.01	22.97	24	1.268	0.330	22.3
Body worn Data at the worst case with Battery 3#											
Back side	10	QPSK	23130/711	1:1	0.249	-0.03	22.97	24	1.268	0.316	22.3
Hotspot Test data(Separate 10mm 1RB_49 offset)											
Front side	10	QPSK	23130/711	1:1	0.272	-0.03	22.97	24	1.268	0.345	22.3
Back side	10	QPSK	23130/711	1:1	0.334	-0.01	22.97	24	1.268	0.423	22.3
Left side	10	QPSK	23130/711	1:1	0.316	0.06	22.97	24	1.268	0.401	22.3
Right side	10	QPSK	23130/711	1:1	0.349	0.04	22.97	24	1.268	0.442	22.3
Bottom side	10	QPSK	23130/711	1:1	0.176	0.07	22.97	24	1.268	0.223	22.3
Right side	10	QPSK	23060/704	1:1	0.178	0.11	22.9	24	1.288	0.229	22.3
Right side	10	QPSK	23095/707.5	1:1	0.19	0.12	22.96	24	1.271	0.241	22.3

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Hotspot Test data (Separate 10mm 50%RB_25 offset)											
Front side	10	QPSK	23130/711	1:1	0.215	0.01	21.91	23	1.285	0.276	22.3
Back side	10	QPSK	23130/711	1:1	0.27	0.03	21.91	23	1.285	0.347	22.3
Left side	10	QPSK	23130/711	1:1	0.25	0.06	21.91	23	1.285	0.321	22.3
Right side	10	QPSK	23130/711	1:1	0.271	0.03	21.91	23	1.285	0.348	22.3
Bottom side	10	QPSK	23130/711	1:1	0.142	0.07	21.91	23	1.285	0.183	22.3
Hotspot Test Data at the worst case with Battery 2#											
Right side	10	QPSK	23130/711	1:1	0.241	0.13	22.97	24	1.268	0.306	22.3
Hotspot Test Data at the worst case with Battery 3#											
Right side	10	QPSK	23130/711	1:1	0.232	0.13	22.97	24	1.268	0.294	22.3
Ant2 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB offset)											
Left cheek	10	QPSK	23130/711	1:1	0.64	0.05	20.77	21.5	1.183	0.757	22.3
Left tilted	10	QPSK	23130/711	1:1	0.525	-0.03	20.77	21.5	1.183	0.621	22.3
Right cheek	10	QPSK	23130/711	1:1	0.447	-0.05	20.21	21	1.199	0.536	22.3
Right tilted	10	QPSK	23130/711	1:1	0.548	0.07	20.21	21	1.199	0.657	22.3
Left cheek	10	QPSK	23060/704	1:1	0.55	0.16	20.7	21.5	1.202	0.661	22.3
Left cheek	10	QPSK	23095/707.5	1:1	0.623	0.02	20.74	21.5	1.191	0.742	22.3
Head Test data(50%RB offset)											
Left cheek	10	QPSK	23130/711	1:1	0.625	0.09	20.79	21.5	1.178	0.736	22.3
Left tilted	10	QPSK	23130/711	1:1	0.512	0.03	20.79	21.5	1.178	0.603	22.3
Right cheek	10	QPSK	23130/711	1:1	0.556	0.09	20.25	21	1.189	0.661	22.3
Right tilted	10	QPSK	23130/711	1:1	0.532	0.02	20.25	21	1.189	0.632	22.3
Head Test Data at the worst case with Battery 2#											
Left cheek	10	QPSK	23130/711	1:1	0.62	0.15	20.77	21.5	1.183	0.733	22.3
Head Test Data at the worst case with Battery 3#											
Left cheek	10	QPSK	23130/711	1:1	0.553	-0.09	20.77	21.5	1.183	0.654	22.3
Body worn Test data(Separate 15mm 1RB_49 offset)											
Front side	10	QPSK	23130/711	1:1	0.156	-0.1	23.19	24	1.205	0.188	22.3
Back side	10	QPSK	23130/711	1:1	0.153	-0.05	23.19	24	1.205	0.184	22.3
Front side	10	QPSK	23060/704	1:1	0.116	-0.02	23.11	24	1.227	0.142	22.3
Front side	10	QPSK	23095/707.5	1:1	0.135	-0.03	23.18	24	1.208	0.163	22.3
Body worn Test data (Separate 15mm 50%RB_25 offset)											
Front side	10	QPSK	23130/711	1:1	0.116	-0.1	22.16	23	1.213	0.141	22.3
Back side	10	QPSK	23130/711	1:1	0.114	0.06	22.16	23	1.213	0.138	22.3
Body worn Test Data at the worst case with Battery 2#											
Front side	10	QPSK	23130/711	1:1	0.157	-0.01	23.19	24	1.205	0.189	22.3
Body worn Test Data at the worst case with Battery 3#											
Front side	10	QPSK	23130/711	1:1	0.183	-0.01	23.19	24	1.205	0.221	22.3

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Hotspot activated for 2.4G WIFI Test data(Separate 10mm 1RB_49 offset)											
Front side	10	QPSK	23130/711	1:1	0.17	0.07	20.07	21	1.239	0.211	22.3
Back side	10	QPSK	23130/711	1:1	0.169	0.9	20.07	21	1.239	0.209	22.3
Left side	10	QPSK	23130/711	1:1	0.0641	0.08	20.07	21	1.239	0.079	22.3
Right side	10	QPSK	23130/711	1:1	0.0147	0.19	20.07	21	1.239	0.018	22.3
Top side	10	QPSK	23130/711	1:1	0.143	0.06	20.07	21	1.239	0.177	22.3
Front side	10	QPSK	23060/704	1:1	0.132	0.07	20.02	21	1.253	0.165	22.3
Front side	10	QPSK	23095/707.5	1:1	0.155	0.06	20.02	21	1.253	0.194	22.3
Hotspot activated for 2.4G WIFI Test data (Separate 10mm 50%RB_25 offset)											
Front side	10	QPSK	23130/711	1:1	0.156	0.07	20.08	21	1.236	0.193	22.3
Back side	10	QPSK	23130/711	1:1	0.156	0.13	20.08	21	1.236	0.193	22.3
Left side	10	QPSK	23130/711	1:1	0.0603	0.1	20.08	21	1.236	0.075	22.3
Right side	10	QPSK	23130/711	1:1	0.0137	-0.19	20.08	21	1.236	0.017	22.3
Top side	10	QPSK	23130/711	1:1	0.133	0.02	20.08	21	1.236	0.164	22.3
Hotspot activated for 5G WIFI Test data(Separate 10mm 1RB_49 offset)											
Front side	10	QPSK	23130/711	1:1	0.104	0.1	18.07	19	1.239	0.129	22.3
Back side	10	QPSK	23130/711	1:1	0.102	0.08	18.07	19	1.239	0.126	22.3
Left side	10	QPSK	23130/711	1:1	0.0399	0.11	18.07	19	1.239	0.049	22.3
Right side	10	QPSK	23130/711	1:1	0.00967	0.19	18.07	19	1.239	0.012	22.3
Top side	10	QPSK	23130/711	1:1	0.0932	0.02	18.07	19	1.239	0.115	22.3
Front side	10	QPSK	23060/704	1:1	0.0771	0.05	18.03	19	1.250	0.096	22.3
Front side	10	QPSK	23095/707.5	1:1	0.0906	0.11	18.05	19	1.245	0.113	22.3
Hotspot activated for 5G WIFI Test data (Separate 10mm 50%RB_25 offset)											
Front side	10	QPSK	23130/711	1:1	0.0956	0.05	18.1	19	1.230	0.118	22.3
Back side	10	QPSK	23130/711	1:1	0.0952	0.06	18.1	19	1.230	0.117	22.3
Left side	10	QPSK	23130/711	1:1	0.0372	0.14	18.1	19	1.230	0.046	22.3
Right side	10	QPSK	23130/711	1:1	0.00867	0.07	18.1	19	1.230	0.011	22.3
Top side	10	QPSK	23130/711	1:1	0.0852	0.09	18.1	19	1.230	0.105	22.3
Hotspot Test Data at the worst case with Battery 2#											
Front side	10	QPSK	23130/711	1:1	0.183	0.08	20.07	21	1.239	0.227	22.3
Hotspot Test Data at the worst case with Battery 3#											
Front side	10	QPSK	23130/711	1:1	0.192	0.01	20.07	21	1.239	0.238	22.3
Ant2 Additional Test data(simultaneous transmission with 5G WIFI+BT)											
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 offset)											
Left cheek	10	QPSK	23130/711	1:1	0.142	0.04	15.6	16.5	1.230	0.175	22.3

Table 25 : SAR of LTE Band 12 for Head and Body.

Note:

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

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8.3.11 SAR Result Of LTE Band 17

Ant1 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_49 offset)											
Left cheek	10	QPSK	23800/711	1:1	0.1	-0.14	22.98	24	1.265	0.126	22.3
Left tilted	10	QPSK	23800/711	1:1	0.079	0.08	22.98	24	1.265	0.100	22.3
Right cheek	10	QPSK	23800/711	1:1	0.14	0.11	22.98	24	1.265	0.177	22.3
Right tilted	10	QPSK	23800/711	1:1	0.0772	0.05	22.98	24	1.265	0.098	22.3
Right cheek	10	QPSK	23780/709	1:1	0.148	-0.09	22.91	24	1.285	0.190	22.3
Right cheek	10	QPSK	23790/710	1:1	0.151	-0.1	22.86	24	1.300	0.196	22.3
Head Test data(50%RB_25 offset)											
Left cheek	10	QPSK	23800/711	1:1	0.082	0.04	21.88	23	1.294	0.106	22.3
Left tilted	10	QPSK	23800/711	1:1	0.0608	0.02	21.88	23	1.294	0.079	22.3
Right cheek	10	QPSK	23800/711	1:1	0.108	0.15	21.88	23	1.294	0.140	22.3
Right tilted	10	QPSK	23800/711	1:1	0.0597	0.03	21.88	23	1.294	0.077	22.3
Head Test Data at the worst case with Battery 2#											
Right cheek	10	QPSK	23790/710	1:1	0.15	0.02	22.86	24	1.300	0.195	22.3
Head Test Data at the worst case with Battery 3#											
Right cheek	10	QPSK	23790/710	1:1	0.146	-0.06	22.86	24	1.300	0.190	22.3
Body worn Test data(Separate 15mm 1RB_49 offset)											
Front side	10	QPSK	23800/711	1:1	0.193	0	22.98	24	1.265	0.244	22.3
Back side	10	QPSK	23800/711	1:1	0.245	-0.02	22.98	24	1.265	0.31	22.3
Back side	10	QPSK	23780/709	1:1	0.244	0	22.91	24	1.285	0.314	22.3
Back side	10	QPSK	23790/710	1:1	0.246	0.01	22.86	24	1.300	0.32	22.3
Body worn Test data (Separate 15mm 50%RB_25 offset)											
Front side	10	QPSK	23800/711	1:1	0.153	0.01	21.88	23	1.294	0.198	22.3
Back side	10	QPSK	23800/711	1:1	0.194	-0.01	21.88	23	1.294	0.251	22.3
Body worn Test Data at the worst case with Battery 2#											
Back side	10	QPSK	23790/710	1:1	0.263	-0.03	22.86	24	1.300	0.342	22.3
Body worn Test Data at the worst case with Battery 3#											
Back side	10	QPSK	23790/710	1:1	0.25	-0.08	22.86	24	1.300	0.325	22.3
Hotspot Test data(Separate 10mm 1RB_49 offset)											
Front side	10	QPSK	23800/711	1:1	0.264	0.01	22.98	24	1.265	0.334	22.3
Back side	10	QPSK	23800/711	1:1	0.32	-0.03	22.98	24	1.265	0.405	22.3
Left side	10	QPSK	23800/711	1:1	0.305	0.02	22.98	24	1.265	0.386	22.3
Right side	10	QPSK	23800/711	1:1	0.348	0.03	22.98	24	1.265	0.44	22.3
Bottom side	10	QPSK	23800/711	1:1	0.176	0.07	22.98	24	1.265	0.223	22.3
Right side	10	QPSK	23780/709	1:1	0.338	-0.01	22.91	24	1.285	0.434	22.3
Right side	10	QPSK	23790/710	1:1	0.346	-0.01	22.86	24	1.300	0.45	22.3

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Hotspot Test data (Separate 10mm 50%RB_25 offset)											
Front side	10	QPSK	23800/711	1:1	0.21	0.01	21.88	23	1.294	0.272	22.3
Back side	10	QPSK	23800/711	1:1	0.256	-0.01	21.88	23	1.294	0.331	22.3
Left side	10	QPSK	23800/711	1:1	0.243	0.02	21.88	23	1.294	0.314	22.3
Right side	10	QPSK	23800/711	1:1	0.272	0	21.88	23	1.294	0.352	22.3
Bottom side	10	QPSK	23800/711	1:1	0.139	0.02	21.88	23	1.294	0.180	22.3
Hotspot Test Data at the worst case with Battery 2#											
Right side	10	QPSK	23790/710	1:1	0.343	-0.06	22.86	24	1.300	0.446	22.3
Hotspot Test Data at the worst case with Battery 3#											
Right side	10	QPSK	23790/710	1:1	0.335	0.03	22.86	24	1.300	0.436	22.3
Ant2 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB offset_49)											
Left cheek	10	QPSK	23800/711	1:1	0.511	-0.03	19.72	20.5	1.197	0.612	22.3
Left tilted	10	QPSK	23800/711	1:1	0.417	0.08	19.72	20.5	1.197	0.499	22.3
Right cheek	10	QPSK	23800/711	1:1	0.57	-0.02	20.25	21	1.189	0.677	22.3
Right tilted	10	QPSK	23800/711	1:1	0.536	0.07	20.25	21	1.189	0.637	22.3
Right cheek	10	QPSK	23780/709	1:1	0.539	0.01	20.16	21	1.213	0.654	22.3
Right cheek	10	QPSK	23790/710	1:1	0.577	0.14	20.18	21	1.208	0.697	22.3
Head Test data(50%RB_25 offset)											
Left cheek	10	QPSK	23800/711	1:1	0.479	0.02	19.74	20.5	1.191	0.571	22.3
Left tilted	10	QPSK	23800/711	1:1	0.398	0.05	19.74	20.5	1.191	0.474	22.3
Right cheek	10	QPSK	23800/711	1:1	0.547	0.01	20.2	21	1.202	0.658	22.3
Right tilted	10	QPSK	23800/711	1:1	0.518	0.05	20.2	21	1.202	0.623	22.3
Head Test Data at the worst case with Battery 2#											
Right cheek	10	QPSK	23790/710	1:1	0.612	-0.01	20.18	21	1.208	0.739	22.3
Head Test Data at the worst case with Battery 3#											
Right cheek	10	QPSK	23790/710	1:1	0.579	0.06	20.18	21	1.208	0.699	22.3
Body worn Test data(Separate 15mm 1RB_49 offset)											
Front side	10	QPSK	23780/709	1:1	0.143	0.02	23.11	24	1.227	0.176	22.3
Back side	10	QPSK	23780/709	1:1	0.14	-0.06	23.11	24	1.227	0.172	22.3
Front side	10	QPSK	23790/710	1:1	0.133	0.14	23.08	24	1.236	0.164	22.3
Front side	10	QPSK	23800/711	1:1	0.138	0.13	23.06	24	1.242	0.171	22.3
Body worn Test data (Separate 15mm 50%RB_25 offset)											
Front side	10	QPSK	23780/709	1:1	0.104	-0.09	22.13	23	1.222	0.127	22.3
Back side	10	QPSK	23780/709	1:1	0.107	-0.04	22.13	23	1.222	0.131	22.3
Body worn Test Data at the worst case with Battery 2#											
Front side	10	QPSK	23780/709	1:1	0.144	0.02	23.11	24	1.227	0.177	22.3
Body worn Test Data at the worst case with Battery 3#											
Front side	10	QPSK	23780/709	1:1	0.17	0.02	23.11	24	1.227	0.209	22.3

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Hotspot activated for 2.4G WIFI Test data(Separate 10mm 1RB_49 offset)											
Front side	10	QPSK	23800/711	1:1	0.169	-0.07	20.05	21	1.245	0.210	22.3
Back side	10	QPSK	23800/711	1:1	0.167	0.12	20.05	21	1.245	0.208	22.3
Left side	10	QPSK	23800/711	1:1	0.0639	0.08	20.05	21	1.245	0.080	22.3
Right side	10	QPSK	23800/711	1:1	0.0144	0.08	20.05	21	1.245	0.018	22.3
Top side	10	QPSK	23800/711	1:1	0.144	0.07	20.05	21	1.245	0.179	22.3
Front side	10	QPSK	23780/709	1:1	0.165	0.06	19.99	21	1.262	0.208	22.3
Front side	10	QPSK	23790/710	1:1	0.172	0.15	20.03	21	1.250	0.215	22.3
Hotspot activated for 2.4G WIFI Test data (Separate 10mm 50%RB_25 offset)											
Front side	10	QPSK	23800/711	1:1	0.155	0.08	20.5	21	1.122	0.174	22.3
Back side	10	QPSK	23800/711	1:1	0.154	0.05	20.5	21	1.122	0.173	22.3
Left side	10	QPSK	23800/711	1:1	0.0587	0.13	20.5	21	1.122	0.066	22.3
Right side	10	QPSK	23800/711	1:1	0.0137	0.04	20.5	21	1.122	0.015	22.3
Top side	10	QPSK	23800/711	1:1	0.13	0.04	20.5	21	1.122	0.146	22.3
Hotspot activated for 5G WIFI Test data(Separate 10mm 1RB_49 offset)											
Front side	10	QPSK	23800/711	1:1	0.102	-0.05	18.08	19	1.236	0.126	22.3
Back side	10	QPSK	23800/711	1:1	0.102	0.17	18.08	19	1.236	0.126	22.3
Left side	10	QPSK	23800/711	1:1	0.0394	0	18.08	19	1.236	0.049	22.3
Right side	10	QPSK	23800/711	1:1	0.00908	0.14	18.08	19	1.236	0.011	22.3
Top side	10	QPSK	23800/711	1:1	0.0913	0.03	18.08	19	1.236	0.113	22.3
Front side	10	QPSK	23780/709	1:1	0.0937	0.02	18.06	19	1.242	0.116	22.3
Front side	10	QPSK	23790/710	1:1	0.0975	0.04	18.05	19	1.245	0.121	22.3
Hotspot activated for 5G WIFI Test data (Separate 10mm 50%RB_25 offset)											
Front side	10	QPSK	23800/711	1:1	0.0939	0.2	18.07	19	1.239	0.116	22.3
Back side	10	QPSK	23800/711	1:1	0.0934	0.14	18.07	19	1.239	0.116	22.3
Left side	10	QPSK	23800/711	1:1	0.0388	-0.04	18.07	19	1.239	0.048	22.3
Right side	10	QPSK	23800/711	1:1	0.00872	0.01	18.07	19	1.239	0.011	22.3
Top side	10	QPSK	23800/711	1:1	0.0841	0.07	18.07	19	1.239	0.104	22.3
Hotspot Test Data at the worst case with Battery 2#											
Front side	10	QPSK	23790/710	1:1	0.172	0.05	20.03	21	1.250	0.215	22.3
Hotspot Test Data at the worst case with Battery 3#											
Front side	10	QPSK	23790/710	1:1	0.182	0.04	20.03	21	1.250	0.228	22.3

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Ant2 Additional Test data(simultaneous transmission with 5G WIFI+BT)											
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 offset_0)											
Left cheek	10	QPSK	23800/711	1:1	0.111	-0.02	14.61	15.5	1.227	0.136	22.3
Right cheek	10	QPSK	23790/710	1:1	0.142	0.01	15.07	16	1.239	0.176	22.3

Table 26 : SAR of LTE Band 17 for Head and Body.

Note:

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

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8.3.12 SAR Result Of LTE Band 26

Ant1 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_38 offset)											
Left cheek	15	QPSK	26775/822.5	1:1	0.0844	0.03	22.94	24	1.276	0.108	22.3
Left tilted	15	QPSK	26775/822.5	1:1	0.0524	0.08	22.94	24	1.276	0.067	22.3
Right cheek	15	QPSK	26775/822.5	1:1	0.139	0.09	22.94	24	1.276	0.177	22.3
Right tilted	15	QPSK	26775/822.5	1:1	0.0573	0.01	22.94	24	1.276	0.073	22.3
Right cheek	15	QPSK	26865/831.5	1:1	0.161	-0.12	22.88	24	1.294	0.208	22.3
Right cheek	15	QPSK	26965/841.5	1:1	0.197	0.06	22.93	24	1.279	0.252	22.3
Head Test data(50%RB_18 offset)											
Left cheek	15	QPSK	26775/822.5	1:1	0.0585	0.06	21.45	23	1.429	0.084	22.3
Left tilted	15	QPSK	26775/822.5	1:1	0.0365	0.04	21.45	23	1.429	0.052	22.3
Right cheek	15	QPSK	26775/822.5	1:1	0.0968	0.02	21.45	23	1.429	0.138	22.3
Right tilted	15	QPSK	26775/822.5	1:1	0.0399	0.01	21.45	23	1.429	0.057	22.3
Head Test Data at the worst case with Battery 2#											
Right cheek	15	QPSK	26965/841.5	1:1	0.2	0.14	22.93	24	1.279	0.256	22.3
Head Test Data at the worst case with Battery 3#											
Right cheek	15	QPSK	26965/841.5	1:1	0.173	0.1	22.93	24	1.279	0.221	22.3
Body worn Test data(Separate 15mm 1RB_38 offset)											
Front side	15	QPSK	26775/822.5	1:1	0.164	-0.08	22.94	24	1.276	0.209	22.3
Back side	15	QPSK	26775/822.5	1:1	0.202	0.07	22.94	24	1.276	0.258	22.3
Back side	15	QPSK	26865/831.5	1:1	0.229	0.07	22.88	24	1.294	0.296	23.3
Back side	15	QPSK	26965/841.5	1:1	0.256	0.06	22.93	24	1.279	0.328	24.3
Body worn Test data (Separate 15mm 50%RB_18 offset)											
Front side	15	QPSK	26775/822.5	1:1	0.115	-0.04	21.45	23	1.429	0.164	22.3
Back side	15	QPSK	26775/822.5	1:1	0.143	0.05	21.45	23	1.429	0.204	22.3
Body worn Test data at the worst case with Battery 2#											
Back side	15	QPSK	26965/841.5	1:1	0.26	0.04	22.93	24	1.279	0.333	22.3
Body worn Test data at the worst case with Battery 3#											
Back side	15	QPSK	26965/841.5	1:1	0.272	0.12	22.93	24	1.279	0.348	22.3
Hotspot Test data(Separate 10mm 1RB_38 offset)											
Front side	15	QPSK	26775/822.5	1:1	0.227	-0.05	22.94	24	1.276	0.290	22.3
Back side	15	QPSK	26775/822.5	1:1	0.294	0.05	22.94	24	1.276	0.375	22.3
Left side	15	QPSK	26775/822.5	1:1	0.0964	0.05	22.94	24	1.276	0.123	22.3
Right side	15	QPSK	26775/822.5	1:1	0.256	0.03	22.94	24	1.276	0.327	22.3
Bottom side	15	QPSK	26775/822.5	1:1	0.173	0.04	22.94	24	1.276	0.221	22.3
Back side	15	QPSK	26865/831.5	1:1	0.337	0.03	22.88	24	1.294	0.436	23.3
Back side	15	QPSK	26965/841.5	1:1	0.385	0.04	22.93	24	1.279	0.493	24.3

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Hotspot Test data (Separate 10mm 50%RB_18 offset)											
Front side	15	QPSK	26775/822.5	1:1	0.159	-0.05	21.45	23	1.429	0.227	22.3
Back side	15	QPSK	26775/822.5	1:1	0.206	0.06	21.45	23	1.429	0.294	22.3
Left side	15	QPSK	26775/822.5	1:1	0.0675	0.06	21.45	23	1.429	0.096	22.3
Right side	15	QPSK	26775/822.5	1:1	0.182	0.05	21.45	23	1.429	0.260	22.3
Bottom side	15	QPSK	26775/822.5	1:1	0.12	0.04	21.45	23	1.429	0.171	22.3
Hotspot Test data at the worst case with Battery 2#											
Back side	15	QPSK	26965/841.5	1:1	0.385	0.04	22.93	24	1.279	0.493	22.3
Hotspot Test data at the worst case with Battery 3#											
Back side	15	QPSK	26965/841.5	1:1	0.369	0.13	22.93	24	1.279	0.472	22.3
Ant2 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_0 offset)											
Left cheek	15	QPSK	26775/822.5	1:1	0.489	0.07	18.66	19.5	1.213	0.593	22.3
Left tilted	15	QPSK	26775/822.5	1:1	0.38	0.01	18.66	19.5	1.213	0.461	22.3
Right cheek	15	QPSK	26775/822.5	1:1	0.539	0.11	19.15	20	1.216	0.656	22.3
Right tilted	15	QPSK	26775/822.5	1:1	0.443	0	19.15	20	1.216	0.539	22.3
Head Test data(50%RB_0 offset)											
Left cheek	15	QPSK	26775/822.5	1:1	0.493	-0.01	18.78	19.5	1.180	0.582	22.3
Left tilted	15	QPSK	26775/822.5	1:1	0.387	0.09	18.78	19.5	1.180	0.457	22.3
Right cheek	15	QPSK	26865/831.5	1:1	0.556	-0.02	19.2	20	1.202	0.668	22.3
Right tilted	15	QPSK	26865/831.5	1:1	0.45	0.02	19.2	20	1.202	0.541	22.3
Right cheek	15	QPSK	26775/822.5	1:1	0.499	0.04	19.19	20	1.205	0.601	22.3
Right cheek	15	QPSK	26965/841.5	1:1	0.501	-0.05	19.12	20	1.225	0.614	22.3
Head Test Data at the worst case with Battery 2#											
Right cheek	15	QPSK	26865/831.5	1:1	0.489	0.04	19.2	20	1.202	0.588	22.3
Head Test Data at the worst case with Battery 3#											
Right cheek	15	QPSK	26865/831.5	1:1	0.488	0.04	19.2	20	1.202	0.587	22.3
Body worn Test data(Separate 15mm 1RB_38 offset)											
Front side	15	QPSK	26775/822.5	1:1	0.203	0.12	23.09	24	1.233	0.250	22.3
Back side	15	QPSK	26775/822.5	1:1	0.21	0.01	23.09	24	1.233	0.259	22.3
Back side	15	QPSK	26865/831.5	1:1	0.209	-0.05	23.02	24	1.253	0.262	22.3
Back side	15	QPSK	26965/841.5	1:1	0.211	-0.02	23.02	24	1.253	0.264	22.3
Body worn Test data (Separate 15mm 50%RB_0 offset)											
Front side	15	QPSK	26775/822.5	1:1	0.145	0.11	21.66	23	1.361	0.197	22.3
Back side	15	QPSK	26775/822.5	1:1	0.151	0.2	21.66	23	1.361	0.206	22.3
Body worn Test Data at the worst case with Battery 2#											
Back side	15	QPSK	26965/841.5	1:1	0.23	0.14	23.02	24	1.253	0.288	22.3
Body worn Test Data at the worst case with Battery 3#											
Back side	15	QPSK	26965/841.5	1:1	0.204	0	23.02	24	1.253	0.256	22.3

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Hotspot activated for 2.4G WIFI Test data(Separate 10mm 1RB_0 offset)											
Front side	15	QPSK	26775/822.5	1:1	0.214	0.12	20.03	21	1.250	0.268	22.3
Back side	15	QPSK	26775/822.5	1:1	0.204	-0.01	20.03	21	1.250	0.255	22.3
Left side	15	QPSK	26775/822.5	1:1	0.0879	0.05	20.03	21	1.250	0.110	22.3
Right side	15	QPSK	26775/822.5	1:1	0.023	-0.16	20.03	21	1.250	0.029	22.3
Top side	15	QPSK	26775/822.5	1:1	0.16	0.02	20.03	21	1.250	0.200	22.3
Front side	15	QPSK	26865/831.5	1:1	0.211	0.1	19.95	21	1.274	0.269	22.3
Front side	15	QPSK	26965/841.5	1:1	0.18	0.14	19.93	21	1.279	0.230	22.3
Hotspot activated for 2.4G WIFI Test data (Separate 10mm 50%RB_0 offset)											
Front side	15	QPSK	26775/822.5	1:1	0.215	0.1	20.17	21	1.211	0.260	22.3
Back side	15	QPSK	26775/822.5	1:1	0.206	-0.05	20.17	21	1.211	0.249	22.3
Left side	15	QPSK	26775/822.5	1:1	0.0892	0.07	20.17	21	1.211	0.108	22.3
Right side	15	QPSK	26775/822.5	1:1	0.0227	0.01	20.17	21	1.211	0.027	22.3
Top side	15	QPSK	26775/822.5	1:1	0.16	0.01	20.17	21	1.211	0.194	22.3
Hotspot activated for 5G WIFI Test data(Separate 10mm 1RB_0 offset)											
Front side	15	QPSK	26775/822.5	1:1	0.111	0.1	18.07	19	1.239	0.138	22.3
Back side	15	QPSK	26775/822.5	1:1	0.115	0.02	18.07	19	1.239	0.142	22.3
Left side	15	QPSK	26775/822.5	1:1	0.0494	0.08	18.07	19	1.239	0.061	22.3
Right side	15	QPSK	26775/822.5	1:1	0.00989	-0.19	18.07	19	1.239	0.012	22.3
Top side	15	QPSK	26775/822.5	1:1	0.0862	0.05	18.07	19	1.239	0.107	22.3
Back side	15	QPSK	26865/831.5	1:1	0.112	0.06	17.96	19	1.271	0.142	22.3
Back side	15	QPSK	26965/841.5	1:1	0.11	0.06	17.99	19	1.262	0.139	22.3
Hotspot activated for 5G WIFI Test data (Separate 10mm 50%RB_0 offset)											
Front side	15	QPSK	26775/822.5	1:1	0.112	0.14	18.1	19	1.230	0.138	22.3
Back side	15	QPSK	26775/822.5	1:1	0.115	0.05	18.1	19	1.230	0.141	22.3
Left side	15	QPSK	26775/822.5	1:1	0.0498	0.1	18.1	19	1.230	0.061	22.3
Right side	15	QPSK	26775/822.5	1:1	0.00973	0.17	18.1	19	1.230	0.012	22.3
Top side	15	QPSK	26775/822.5	1:1	0.0867	0.04	18.1	19	1.230	0.107	22.3
Hotspot Test Data at the worst case with Battery 2#											
Front side	15	QPSK	26865/831.5	1:1	0.188	0.1	19.95	21	1.274	0.239	22.3
Hotspot Test Data at the worst case with Battery 3#											
Front side	15	QPSK	26865/831.5	1:1	0.207	0.14	19.95	21	1.274	0.264	22.3
Ant2 Additional Test data(simultaneous transmission with 5G WIFI+BT)											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_0 offset)											
Left cheek	15	QPSK	26775/822.5	1:1	0.124	0.08	13.44	14.5	1.276	0.158	22.3

Table 27 : SAR of LTE Band 26 for Head and Body.

Note:

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

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8.3.13 SAR Result Of LTE Band 38

Ant1 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_50 offset)											
Left cheek	20	QPSK	38150/2610	1:1.58	0.0549	0.03	22.92	24	1.282	0.070	22.3
Left tilted	20	QPSK	38150/2610	1:1.58	0.0637	0.01	22.92	24	1.282	0.082	22.3
Right cheek	20	QPSK	38150/2610	1:1.58	0.075	0	22.92	24	1.282	0.096	22.3
Right tilted	20	QPSK	38150/2610	1:1.58	0.0603	0.06	22.92	24	1.282	0.077	22.3
Right cheek	20	QPSK	37850/2580	1:1.58	0.0402	0.01	22.66	24	1.361	0.055	22.3
Right cheek	20	QPSK	38000/2595	1:1.58	0.0589	-0.03	22.77	24	1.327	0.078	22.3
Head Test data(50%RB_50 offset)											
Left cheek	20	QPSK	38150/2610	1:1.58	0.0383	0.00	22.24	23	1.191	0.046	22.3
Left tilted	20	QPSK	38150/2610	1:1.58	0.0484	0.01	22.24	23	1.191	0.058	22.3
Right cheek	20	QPSK	38150/2610	1:1.58	0.0574	0.05	22.24	23	1.191	0.068	22.3
Right tilted	20	QPSK	38150/2610	1:1.58	0.0456	0.05	22.24	23	1.191	0.054	22.3
Head Test Data at the worst case with Battery 2#											
Right cheek	20	QPSK	38150/2610	1:1.58	0.0732	0.06	22.92	24	1.282	0.094	22.3
Head Test Data at the worst case with Battery 3#											
Right cheek	20	QPSK	38150/2610	1:1.58	0.0826	0.06	22.92	24	1.282	0.106	22.3
Body worn Test data(Separate 15mm 1RB_50 offset)											
Front side	20	QPSK	38150/2610	1:1.58	0.28	-0.08	22.92	24	1.282	0.359	22.3
Back side	20	QPSK	38150/2610	1:1.58	0.293	-0.03	22.92	24	1.282	0.376	22.3
Back side	20	QPSK	37850/2580	1:1.58	0.26	-0.06	22.66	24	1.361	0.354	22.3
Back side	20	QPSK	38000/2595	1:1.58	0.269	0.1	22.77	24	1.327	0.357	22.3
Body worn Test data (Separate 15mm 50%RB_50 offset)											
Front side	20	QPSK	38150/2610	1:1.58	0.223	0.07	22.24	23	1.191	0.266	22.3
Back side	20	QPSK	38150/2610	1:1.58	0.236	0.03	22.24	23	1.191	0.281	22.3
Body worn Test Data at the worst case with Battery 2#											
Back side	20	QPSK	38150/2610	1:1.58	0.287	-0.03	22.92	24	1.282	0.368	22.3
Body worn Test Data at the worst case with Battery 3#											
Back side	20	QPSK	38150/2610	1:1.58	0.268	-0.03	22.92	24	1.282	0.344	22.3
Hotspot Test data(Separate 10mm 1RB_99 offset)											
Front side	20	QPSK	38150/2610	1:1.58	0.31	-0.17	21.38	22	1.153	0.358	22.3
Back side	20	QPSK	38150/2610	1:1.58	0.329	0.05	21.38	22	1.153	0.379	22.3
Left side	20	QPSK	38150/2610	1:1.58	0.133	0.05	21.38	22	1.153	0.153	22.3
Right side	20	QPSK	38150/2610	1:1.58	0.227	0.1	21.38	22	1.153	0.262	22.3
Bottom side	20	QPSK	38150/2610	1:1.58	0.584	0.02	21.38	22	1.153	0.674	22.3
Bottom side	20	QPSK	37850/2580	1:1.58	0.535	0.1	21.28	22	1.180	0.631	22.3
Bottom side	20	QPSK	38000/2595	1:1.58	0.584	0.06	21.26	22	1.186	0.692	22.3

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Hotspot Test data (Separate 10mm 50%RB_50 offset)											
Front side	20	QPSK	38150/2610	1:1.58	0.301	0.05	21.32	22	1.169	0.352	22.3
Back side	20	QPSK	38150/2610	1:1.58	0.319	0.08	21.32	22	1.169	0.373	22.3
Left side	20	QPSK	38150/2610	1:1.58	0.126	0.1	21.32	22	1.169	0.147	22.3
Right side	20	QPSK	38150/2610	1:1.58	0.223	0.19	21.32	22	1.169	0.261	22.3
Bottom side	20	QPSK	38150/2610	1:1.58	0.562	0.03	21.32	22	1.169	0.657	22.3
Hotspot Test Data at the worst case with Battery 2#											
Bottom side	20	QPSK	38000/2595	1:1.58	0.607	0.16	21.26	22	1.186	0.72	22.3
Hotspot Test Data at the worst case with Battery 3#											
Bottom side	20	QPSK	38000/2595	1:1.58	0.585	0.16	21.26	22	1.186	0.694	22.3
Ant2 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_99 offset)											
Left cheek	20	QPSK	38000/2595	1:1.58	0.419	0.09	16.99	17.5	1.125	0.471	22.3
Left tilted	20	QPSK	38000/2595	1:1.58	0.526	0.05	16.99	17.5	1.125	0.592	22.3
Right cheek	20	QPSK	38000/2595	1:1.58	0.596	0.16	16.15	16.5	1.084	0.646	22.3
Right tilted	20	QPSK	38000/2595	1:1.58	0.653	0.06	16.15	16.5	1.084	0.708	22.3
Right tilted	20	QPSK	37850/2580	1:1.58	0.659	0.17	16.92	17.5	1.143	0.753	22.3
Right tilted	20	QPSK	38150/2610	1:1.58	0.68	0.05	16.98	17.5	1.127	0.766	22.3
Head Test data(50%RB_50 offset)											
Left cheek	20	QPSK	38000/2595	1:1.58	0.422	0.02	16.93	17.5	1.140	0.481	22.3
Left tilted	20	QPSK	38000/2595	1:1.58	0.525	0.09	16.93	17.5	1.140	0.599	22.3
Right cheek	20	QPSK	38000/2595	1:1.58	0.583	-0.01	16.14	16.5	1.086	0.633	22.3
Right tilted	20	QPSK	38000/2595	1:1.58	0.652	0.12	16.14	16.5	1.086	0.708	22.3
Head Test Data at the worst case with Battery 2#											
Right tilted	20	QPSK	38150/2610	1:1.58	0.728	0.01	16.98	17.5	1.127	0.821	22.3
Head Test Data at the worst case with Battery 3#											
Right tilted	20	QPSK	38150/2610	1:1.58	0.534	-0.04	16.98	17.5	1.127	0.602	22.3
Body worn Test data(Separate 15mm 1RB_99offset)											
Front side	20	QPSK	38150/2610	1:1.58	0.111	-0.07	19.2	19.5	1.072	0.119	22.3
Back side	20	QPSK	38150/2610	1:1.58	0.133	-0.16	19.2	19.5	1.072	0.143	22.3
Body worn Test data (Separate 15mm 50%RB_50 offset)											
Front side	20	QPSK	38150/2610	1:1.58	0.111	-0.09	19.14	19.5	1.086	0.121	22.3
Back side	20	QPSK	38150/2610	1:1.58	0.136	-0.13	19.14	19.5	1.086	0.148	22.3
Back side	20	QPSK	37850/2580	1:1.58	0.132	0.13	19.02	19.5	1.117	0.147	22.3
Back side	20	QPSK	38000/2595	1:1.58	0.133	-0.15	18.96	19.5	1.132	0.151	22.3
Body worn Test Data at the worst case with Battery 2#											
Back side	20	QPSK	38000/2595	1:1.58	0.142	0.07	18.96	19.5	1.132	0.161	22.3
Body worn Test Data at the worst case with Battery 3#											
Back side	20	QPSK	38000/2595	1:1.58	0.106	-0.06	18.96	19.5	1.132	0.120	22.3

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Hotspot activated for 2.4G WIFI Test data(Separate 10mm 1RB_99 offset)											
Front side	20	QPSK	38150/2610	1:1.58	0.0839	-0.06	16.29	16.5	1.050	0.088	22.3
Back side	20	QPSK	38150/2610	1:1.58	0.115	-0.01	16.29	16.5	1.050	0.121	22.3
Left side	20	QPSK	38150/2610	1:1.58	0.062	-0.16	16.29	16.5	1.050	0.065	22.3
Right side	20	QPSK	38150/2610	1:1.58	0.00718	0.15	16.29	16.5	1.050	0.008	22.3
Top side	20	QPSK	38150/2610	1:1.58	0.3	0.07	16.29	16.5	1.050	0.315	22.3
Hotspot activated for 2.4G WIFI Test data(Separate 10mm 50%RB_50 offset)											
Front side	20	QPSK	38150/2610	1:1.58	0.0836	-0.04	16.13	16.5	1.089	0.091	22.3
Back side	20	QPSK	38150/2610	1:1.58	0.114	0.03	16.13	16.5	1.089	0.124	22.3
Left side	20	QPSK	38150/2610	1:1.58	0.0645	0.06	16.13	16.5	1.089	0.070	22.3
Right side	20	QPSK	38150/2610	1:1.58	0.012	0.18	16.13	16.5	1.089	0.013	22.3
Top side	20	QPSK	38150/2610	1:1.58	0.299	0.06	16.13	16.5	1.089	0.326	22.3
Top side	20	QPSK	37850/2580	1:1.58	0.256	0.09	15.95	16.5	1.135	0.291	22.3
Top side	20	QPSK	38000/2595	1:1.58	0.279	0.04	15.97	16.5	1.130	0.315	22.3
Hotspot activated for 5G WIFI Test data(Separate 10mm 1RB_99 offset)											
Front side	20	QPSK	38150/2610	1:1.58	0.0533	0.04	14.19	14.5	1.074	0.057	22.3
Back side	20	QPSK	38150/2610	1:1.58	0.0749	0.04	14.19	14.5	1.074	0.080	22.3
Left side	20	QPSK	38150/2610	1:1.58	0.0418	-0.17	14.19	14.5	1.074	0.045	22.3
Right side	20	QPSK	38150/2610	1:1.58	0.00492	-0.09	14.19	14.5	1.074	0.005	22.3
Top side	20	QPSK	38150/2610	1:1.58	0.185	0.09	14.19	14.5	1.074	0.199	22.3
Hotspot activated for 5G WIFI Test data(Separate 10mm 50%RB_50 offset)											
Front side	20	QPSK	38150/2610	1:1.58	0.0544	-0.01	14.12	14.5	1.091	0.059	22.3
Back side	20	QPSK	38150/2610	1:1.58	0.0755	-0.04	14.12	14.5	1.091	0.082	22.3
Left side	20	QPSK	38150/2610	1:1.58	0.0248	-0.08	14.12	14.5	1.091	0.027	22.3
Right side	20	QPSK	38150/2610	1:1.58	0.00417	-0.08	14.12	14.5	1.091	0.005	22.3
Top side	20	QPSK	38150/2610	1:1.58	0.184	0.01	14.12	14.5	1.091	0.201	22.3
Top side	20	QPSK	37850/2580	1:1.58	0.16	0.03	13.9	14.5	1.148	0.184	22.3
Top side	20	QPSK	38000/2595	1:1.58	0.173	0.19	13.95	14.5	1.135	0.196	22.3
Hotspot Test Data at the worst case with Battery 2#											
Top side	20	QPSK	38150/2610	1:1.58	0.344	0.06	16.13	16.5	1.089	0.375	22.3
Hotspot Test Data at the worst case with Battery 3#											
Top side	20	QPSK	38150/2610	1:1.58	0.271	0.16	16.13	16.5	1.089	0.295	22.3
Ant2 Additional Test data(simultaneous transmission with 5G WIFI+BT)											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_99 offset)											
Right tilted	20	QPSK	38150/2610	1:1.58	0.199	0.1	10.80	11.5	1.175	0.234	22.3

Table 28 : SAR of LTE Band 38 for Head and Body.

Note:

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

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8.3.14 SAR Result Of LTE Band 41

Ant1 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_99 offset)											
Left cheek	20	QPSK	40690/2600	1:1.58	0.053	0.1	23.41	24	1.146	0.061	22.3
Left tilted	20	QPSK	40690/2600	1:1.58	0.0729	0.04	23.41	24	1.146	0.084	22.3
Right cheek	20	QPSK	40690/2600	1:1.58	0.0762	0.07	23.41	24	1.146	0.087	22.3
Right tilted	20	QPSK	40690/2600	1:1.58	0.0679	-0.08	23.41	24	1.146	0.078	22.3
Right cheek	20	QPSK	40240/2555	1:1.58	0.0522	0.1	23.24	24	1.191	0.062	22.3
Right cheek	20	QPSK	41140/2645	1:1.58	0.0708	0.09	23.36	24	1.159	0.082	22.3
Head Test data(50%RB_0 offset)											
Left cheek	20	QPSK	41140/2645	1:1.58	0.0613	0.09	22.28	23	1.180	0.072	22.3
Left tilted	20	QPSK	41140/2645	1:1.58	0.0542	0.01	22.28	23	1.180	0.064	22.3
Right cheek	20	QPSK	41140/2645	1:1.58	0.0659	0.05	22.28	23	1.180	0.078	22.3
Right tilted	20	QPSK	41140/2645	1:1.58	0.0621	0.01	22.28	23	1.180	0.073	22.3
Head Test Data at the worst case with Battery 2#											
Right cheek	20	QPSK	40690/2600	1:1.58	0.084	0.07	23.41	24	1.146	0.096	22.3
Head Test Data at the worst case with Battery 3#											
Right cheek	20	QPSK	40690/2600	1:1.58	0.0935	0	23.41	24	1.146	0.107	22.3
Body worn Test data(Separate 15mm 1RB_99 offset)											
Front side	20	QPSK	40690/2600	1:1.58	0.233	0.05	23.41	24	1.146	0.267	22.3
Back side	20	QPSK	40690/2600	1:1.58	0.235	0.04	23.41	24	1.146	0.269	22.3
Back side	20	QPSK	40240/2555	1:1.58	0.184	-0.02	23.24	24	1.191	0.219	22.3
Back side	20	QPSK	41140/2645	1:1.58	0.26	0.135	23.36	24	1.159	0.301	22.3
Body worn Test data (Separate 15mm 50%RB_0 offset)											
Front side	20	QPSK	41140/2645	1:1.58	0.198	0.07	22.28	23	1.180	0.234	22.3
Back side	20	QPSK	41140/2645	1:1.58	0.202	0.19	22.28	23	1.180	0.238	22.3
Body worn Test Data at the worst case with Battery 2#											
Back side	20	QPSK	41140/2645	1:1.58	0.347	0.15	23.36	24	1.159	0.402	22.3
Body worn Test Data at the worst case with Battery 3#											
Back side	20	QPSK	41140/2645	1:1.58	0.281	0.05	23.36	24	1.159	0.326	22.3
Hotspot Test data(Separate 10mm 1RB_0 offset)											
Front side	20	QPSK	40690/2600	1:1.58	0.36	-0.03	21.52	22	1.117	0.402	22.3
Back side	20	QPSK	40690/2600	1:1.58	0.44	0.06	21.52	22	1.117	0.491	22.3
Left side	20	QPSK	40690/2600	1:1.58	0.118	0.06	21.52	22	1.117	0.132	22.3
Right side	20	QPSK	40690/2600	1:1.58	0.235	0.08	21.52	22	1.117	0.262	22.3
Bottom side	20	QPSK	40690/2600	1:1.58	0.554	0.02	21.52	22	1.117	0.619	22.3
Hotspot Test data (Separate 10mm 50%RB_50 offset)											
Front side	20	QPSK	40690/2600	1:1.58	0.325	-0.13	21.35	22	1.161	0.377	22.3
Back side	20	QPSK	40690/2600	1:1.58	0.416	0.04	21.35	22	1.161	0.483	22.3
Left side	20	QPSK	40690/2600	1:1.58	0.118	0.04	21.35	22	1.161	0.137	22.3
Right side	20	QPSK	40690/2600	1:1.58	0.218	0.03	21.35	22	1.161	0.253	22.3
Bottom side	20	QPSK	40690/2600	1:1.58	0.553	0.04	21.35	22	1.161	0.642	22.3
Bottom side	20	QPSK	40240/2555	1:1.58	0.436	0.09	21.24	22	1.191	0.519	22.3
Bottom side	20	QPSK	41140/2645	1:1.58	0.666	0.02	21.33	22	1.167	0.777	22.3

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Hotspot Test Data at the worst case with Battery 2#											
Bottom side	20	QPSK	41140/2645	1:1.58	0.744	0.07	21.33	22	1.167	0.868	22.3
Hotspot Test Data at the worst case with Battery 3#											
Bottom side	20	QPSK	41140/2645	1:1.58	0.66	0.14	21.33	22	1.167	0.770	22.3
Ant2 Test data											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB_0 offset)											
Left cheek	20	QPSK	40690/2600	1:1.58	0.398	0.05	16.68	17.5	1.208	0.481	22.3
Left tilted	20	QPSK	40690/2600	1:1.58	0.489	0.14	16.68	17.5	1.208	0.591	22.3
Right cheek	20	QPSK	40690/2600	1:1.58	0.684	-0.03	16.31	17	1.172	0.802	22.3
Right tilted	20	QPSK	40690/2600	1:1.58	0.797	0.01	16.31	17	1.172	0.934	22.3
Right cheek	20	QPSK	40240/2555	1:1.58	0.43	0.03	16.26	17	1.186	0.510	22.3
Right cheek	20	QPSK	41140/2645	1:1.58	0.792	0.07	16.29	17	1.178	0.933	22.3
Right tilted	20	QPSK	40240/2555	1:1.58	0.619	0.05	16.26	17	1.186	0.734	22.3
Right tilted	20	QPSK	41140/2645	1:1.58	0.826	0.05	16.29	17	1.178	0.973	22.3
Right tilted-Repeat	20	QPSK	41140/2645	1:1.58	0.71	0.1	16.29	17	1.178	0.836	22.3
Head Test data(50%RB_0 offset)											
Left cheek	20	QPSK	40690/2600	1:1.58	0.397	0.07	16.5	17.5	1.259	0.500	22.3
Left tilted	20	QPSK	40690/2600	1:1.58	0.485	0.07	16.5	17.5	1.259	0.611	22.3
Right cheek	20	QPSK	40690/2600	1:1.58	0.664	0.11	16.19	17	1.205	0.800	22.3
Right tilted	20	QPSK	40690/2600	1:1.58	0.767	0.08	16.19	17	1.205	0.924	22.3
Right cheek	20	QPSK	40240/2555	1:1.58	0.513	0.09	16.16	17	1.213	0.622	22.3
Right cheek	20	QPSK	41140/2645	1:1.58	0.775	0.08	16.13	17	1.222	0.947	22.3
Right tilted	20	QPSK	40240/2555	1:1.58	0.621	0.07	16.16	17	1.213	0.754	22.3
Right tilted	20	QPSK	41140/2645	1:1.58	0.794	0.04	16.13	17	1.222	0.970	22.3
Head Test data(100%RB_0 offset)											
Right cheek	20	QPSK	41140/2645	1:1.58	0.767	0.02	16.16	17	1.213	0.931	22.3
Right tilted	20	QPSK	41140/2645	1:1.58	0.803	0.04	16.16	17	1.213	0.974	22.3
Head Test Data at the worst case with Battery 2#											
Right tilted	20	QPSK	41140/2645	1:1.58	0.79	0.05	16.16	17	1.213	0.959	22.3
Head Test Data at the worst case with Battery 3#											
Right tilted	20	QPSK	41140/2645	1:1.58	0.556	0	16.16	17	1.213	0.675	22.3
Body worn Test data(Separate 15mm 1RB_99 offset)											
Front side	20	QPSK	40690/2600	1:1.58	0.119	-0.07	19.44	20	1.138	0.135	22.3
Back side	20	QPSK	40690/2600	1:1.58	0.152	-0.06	19.44	20	1.138	0.173	22.3
Back side	20	QPSK	40240/2555	1:1.58	0.13	-0.03	19.24	20	1.191	0.155	22.3
Back side	20	QPSK	41140/2645	1:1.58	0.144	-0.03	19.3	20	1.175	0.169	22.3
Body worn Test data (Separate 15mm 50%RB_50 offset)											
Front side	20	QPSK	41140/2645	1:1.58	0.113	-0.16	19.2	20	1.202	0.136	22.3
Back side	20	QPSK	41140/2645	1:1.58	0.141	0.13	19.2	20	1.202	0.170	22.3
Body worn Test Data at the worst case with Battery 2#											
Back side	20	QPSK	40690/2600	1:1.58	0.157	-0.04	19.44	20	1.138	0.179	22.3
Body worn Test Data at the worst case with Battery 3#											
Back side	20	QPSK	40690/2600	1:1.58	0.103	-0.06	19.44	20	1.138	0.117	22.3

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Hotspot activated for 2.4G WIFI Test data(Separate 10mm 1RB_0 offset)											
Front side	20	QPSK	41140/2645	1:1.58	0.109	-0.05	16.4	17	1.148	0.125	22.3
Back side	20	QPSK	41140/2645	1:1.58	0.143	-0.05	16.4	17	1.148	0.164	22.3
Left side	20	QPSK	41140/2645	1:1.58	0.078	0.17	16.4	17	1.148	0.090	22.3
Right side	20	QPSK	41140/2645	1:1.58	0.0161	0.03	16.4	17	1.148	0.018	22.3
Top side	20	QPSK	41140/2645	1:1.58	0.351	0.07	16.4	17	1.148	0.403	22.3
Hotspot activated for 2.4G WIFI Test data (Separate 10mm 50%RB_0 offset)											
Front side	20	QPSK	41140/2645	1:1.58	0.106	-0.09	16.2	17	1.202	0.127	22.3
Back side	20	QPSK	41140/2645	1:1.58	0.134	0.05	16.2	17	1.202	0.161	22.3
Left side	20	QPSK	41140/2645	1:1.58	0.0734	0.05	16.2	17	1.202	0.088	22.3
Right side	20	QPSK	41140/2645	1:1.58	0.0165	-0.08	16.2	17	1.202	0.020	22.3
Top side	20	QPSK	41140/2645	1:1.58	0.344	0.02	16.2	17	1.202	0.414	22.3
Top side	20	QPSK	40240/2555	1:1.58	0.227	0.17	15.98	17	1.265	0.287	22.3
Top side	20	QPSK	40690/2600	1:1.58	0.283	0.01	16.02	17	1.253	0.355	22.3
Hotspot activated for 5G WIFI Test data(Separate 10mm 1RB_0 offset)											
Front side	20	QPSK	41140/2645	1:1.58	0.0597	-0.03	14.42	14.7	1.067	0.064	22.3
Back side	20	QPSK	41140/2645	1:1.58	0.0863	0.01	14.42	14.7	1.067	0.092	22.3
Left side	20	QPSK	41140/2645	1:1.58	0.0501	0.01	14.42	14.7	1.067	0.053	22.3
Right side	20	QPSK	41140/2645	1:1.58	0.00562	0.01	14.42	14.7	1.067	0.006	22.3
Top side	20	QPSK	41140/2645	1:1.58	0.209	0.08	14.42	14.7	1.067	0.223	22.3
Hotspot activated for 5G WIFI Test data (Separate 10mm 50%RB_0 offset)											
Front side	20	QPSK	41140/2645	1:1.58	0.0562	0.03	14.16	14.7	1.132	0.064	22.3
Back side	20	QPSK	41140/2645	1:1.58	0.0822	0.06	14.16	14.7	1.132	0.093	22.3
Left side	20	QPSK	41140/2645	1:1.58	0.049	0.04	14.16	14.7	1.132	0.055	22.3
Right side	20	QPSK	41140/2645	1:1.58	0.00502	-0.03	14.16	14.7	1.132	0.006	22.3
Top side	20	QPSK	41140/2645	1:1.58	0.202	0.2	14.16	14.7	1.132	0.229	22.3
Top side	20	QPSK	40240/2555	1:1.58	0.137	0.04	14.03	14.7	1.167	0.160	22.3
Top side	20	QPSK	40690/2600	1:1.58	0.174	0.07	13.99	14.7	1.178	0.205	22.3
Hotspot Test Data at the worst case with Battery 2#											
Top side	20	QPSK	41140/2645	1:1.58	0.365	0.03	16.2	17	1.202	0.439	22.3
Hotspot Test Data at the worst case with Battery 3#											
Top side	20	QPSK	41140/2645	1:1.58	0.281	0.2	16.2	17	1.202	0.338	22.3
Ant2 Additional Test data(simultaneous transmission with 5G WIFI+BT)											
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_50 offset)											
Right cheek	20	QPSK	40690/2600	1:1.58	0.204	0.05	11.1	11.7	1.148	0.234	22.3
Right tilted	20	QPSK	40690/2600	1:1.58	0.221	0.09	11.1	11.7	1.148	0.254	22.3

Table 29 : SAR of LTE Band 41 for Head and Body.

Note:

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

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).

8.3.15 SAR Result Of 2.4GHz WIFI

WiFi 1 Test data											
Test position	Test mode	Test Ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg)1-g	Power drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data											
Left cheek	802.11 b	6/2437	100.00 %	1	0.246	-0.01	12.84	13.5	1.164	0.286	22
Left tilted	802.11 b	6/2437	100.00 %	1	0.246	0.03	12.84	13.5	1.164	0.286	22
Right cheek	802.11 b	6/2437	100.00 %	1	0.208	0.08	12.84	13.5	1.164	0.242	22
Right tilted	802.11 b	6/2437	100.00 %	1	0.225	-0.1	12.84	13.5	1.164	0.262	22
Left tilted	802.11 b	1/2412	100.00 %	1	0.19	0.01	11.78	12.5	1.180	0.224	22
Left tilted	802.11 b	11/2462	100.00 %	1	0.271	0.02	12.65	13.5	1.216	0.330	22
Head Test Data at the worst case with Battery 2#											
Left tilted	802.11 b	11/2462	100.00 %	1	0.26	0.08	12.65	13.5	1.216	0.316	22
Head Test Data at the worst case with Battery 3#											
Left tilted	802.11 b	11/2462	100.00 %	1	0.391	0.13	12.65	13.5	1.216	0.476	22
Body worn Test data(Separate 15mm)											
Front side	802.11 b	11/2462	89.98%	1.111	0.0527	-0.05	16.28	18	1.486	0.087	22
Back side	802.11 b	11/2462	89.98%	1.111	0.0595	-0.06	16.28	18	1.486	0.098	22
Back side	802.11 b	1/2412	89.98%	1.111	0.0462	-0.01	15.19	17	1.517	0.078	22
Back side	802.11 b	6/2437	89.98%	1.111	0.077	0.01	16.22	18	1.507	0.129	22
Body worn Test Data at the worst case with Battery 2#											
Back side	802.11 b	6/2437	89.98%	1.111	0.096	0.15	16.22	18	1.507	0.161	22
Body worn Test Data at the worst case with Battery 3#											
Back side	802.11 b	6/2437	89.98%	1.111	0.109	0.03	16.22	18	1.507	0.182	22
Hotspot Test data (Separate 10mm)											
Front side	802.11 b	11/2462	89.98%	1.111	0.0954	0.18	16.28	18	1.486	0.157	22
Back side	802.11 b	11/2462	89.98%	1.111	0.164	-0.08	16.28	18	1.486	0.271	22
Right side	802.11 b	11/2462	89.98%	1.111	0.0721	0.06	16.28	18	1.486	0.119	22
Top side	802.11 b	11/2462	89.98%	1.111	0.181	0.08	16.28	18	1.486	0.299	22
Top side	802.11 b	1/2412	89.98%	1.111	0.13	0.07	15.19	17	1.517	0.219	22
Top side	802.11 b	6/2437	89.98%	1.111	0.198	0.01	16.22	18	1.507	0.331	22
Hotspot Test Data at the worst case with Battery 2#											
Top side	802.11 b	6/2437	89.98%	1.111	0.216	0.1	16.22	18	1.507	0.362	22

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Hotspot Test Data at the worst case with Battery 3#											
Top side	802.11 b	6/2437	89.98%	1.111	0.454	-0.04	16.22	18	1.507	0.760	22
WiFi 2 Test data											
Test position	Test mode	Test Ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg)1-g	Power drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data											
Left cheek	802.11 b	6/2437	89.77%	1.114	0.274	0.07	13.72	15.5	1.507	0.460	22
Left tilted	802.11 b	6/2437	89.77%	1.114	0.365	0.2	13.72	15.5	1.507	0.613	22
Right cheek	802.11 b	6/2437	89.77%	1.114	0.405	0.01	13.72	15.5	1.507	0.680	22
Right tilted	802.11 b	6/2437	89.77%	1.114	0.547	0.05	13.72	15.5	1.507	0.918	22
Right tilted	802.11 b	1/2412	89.77%	1.114	0.481	-0.13	13.66	15.5	1.528	0.819	22
Right tilted	802.11 b	11/2462	89.77%	1.114	0.533	0.12	13.57	15.5	1.560	0.926	22
Head Test Data at the worst case with Battery 2#											
Right tilted	802.11 b	11/2462	89.77%	1.114	0.49	0.01	13.57	15.5	1.560	0.764	22.3
Head Test Data at the worst case with Battery 3#											
Right tilted	802.11 b	11/2462	89.77%	1.114	0.254	0.01	13.57	15.5	1.560	0.396	22.3
Body worn Test data(Separate 15mm)											
Front side	802.11 b	6/2437	89.75%	1.114	0.039	-0.02	13.99	15.5	1.416	0.062	22
Back side	802.11 b	6/2437	89.75%	1.114	0.0481	0.03	13.99	15.5	1.416	0.076	22
Back side	802.11 b	1/2412	89.75%	1.114	0.0412	0.06	13.99	15.5	1.416	0.065	22
Back side	802.11 b	11/2462	89.75%	1.114	0.0409	0.08	13.99	15.5	1.416	0.065	22
Body worn Test Data at the worst case with Battery 2#											
Back side	802.11 b	6/2437	89.75%	1.114	0.052	0.05	13.99	15.5	1.416	0.082	22
Body worn Test Data at the worst case with Battery 3#											
Back side	802.11 b	6/2437	89.75%	1.114	0.0171	-0.09	13.99	15.5	1.416	0.027	22
Hotspot Test data (Separate 10mm)											
Front side	802.11 b	6/2437	89.75%	1.114	0.0722	0.01	13.99	15.5	1.416	0.114	22
Back side	802.11 b	6/2437	89.75%	1.114	0.0865	0.02	13.99	15.5	1.416	0.136	22
Left side	802.11 b	6/2437	89.75%	1.114	0.0659	0.02	13.99	15.5	1.416	0.104	22
Top side	802.11 b	6/2437	89.75%	1.114	0.204	0.02	13.99	15.5	1.416	0.322	22
Top side	802.11 b	1/2412	89.75%	1.114	0.157	0.04	13.65	15.5	1.531	0.268	22
Top side	802.11 b	11/2462	89.75%	1.114	0.193	0.03	13.76	15.5	1.493	0.321	22

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Hotspot Test Data at the worst case with Battery 2#											
Top side	802.11b	6/2437	89.75%	1.114	0.235	0.01	13.99	15.5	1.416	0.371	22
Hotspot Test Data at the worst case with Battery 3#											
Top side	802.11b	6/2437	89.75%	1.114	0.135	0.01	13.99	15.5	1.416	0.213	22

Table 30 : SAR of 2.4GHz WIFI for Head and Body

Note:

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

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8.3.16 SAR Result Of 5GHz WIFI

WiFi 1 Test data											
Test position	Test mode	Test Ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg)1-g	Power drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scale factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data U-NII-2A											
Left cheek	802.11a c	54/5270	91.21 %	1.096	0.352	-0.02	10.88	11.5	1.153	0.445	22
Left tilted	802.11a c	54/5270	91.21 %	1.096	0.262	0.02	10.88	11.5	1.153	0.331	22
Right cheek	802.11a c	54/5270	91.21 %	1.096	0.234	0.03	10.88	11.5	1.153	0.296	22
Right tilted	802.11a c	54/5270	91.21 %	1.096	0.241	0.14	10.88	11.5	1.153	0.305	22
Left cheek	802.11a c	62/5310	91.21 %	1.096	0.34	0.03	10.83	11.5	1.167	0.435	22
Head Test data U-NII-2C											
Left cheek	802.11a c	134/5670	91.21 %	1.096	0.257	0.08	10.47	11.5	1.268	0.357	22
Left tilted	802.11a c	134/5670	91.21 %	1.096	0.202	0.06	10.47	11.5	1.268	0.281	22
Right cheek	802.11a c	134/5670	91.21 %	1.096	0.115	0.07	10.47	11.5	1.268	0.160	22
Right tilted	802.11a c	134/5670	91.21 %	1.096	0.106	0.04	10.47	11.5	1.268	0.147	22
Left cheek	802.11a c	102/5510	91.21 %	1.096	0.439	0.01	10.45	11.5	1.274	0.613	22
Left cheek	802.11a c	142/5710	91.21 %	1.096	0.252	0.07	10.37	11.5	1.297	0.358	22
Head Test data U-NII-3											
Left cheek	802.11a c	151/5755	91.21 %	1.096	0.214	0.08	10.42	10.5	1.019	0.239	22
Left tilted	802.11a c	151/5755	91.21 %	1.096	0.181	0.06	10.42	10.5	1.019	0.202	22
Right cheek	802.11a c	151/5755	91.21 %	1.096	0.0975	0.05	10.42	10.5	1.019	0.109	22
Right tilted	802.11a c	151/5755	91.21 %	1.096	0.0797	0.05	10.42	10.5	1.019	0.089	22
Left cheek	802.11a c	159/5795	91.21 %	1.096	0.175	0.03	10.25	10.5	1.059	0.203	22
Head Test Data at the worst case with Battery 2#											
Left cheek	802.11a c	102/5510	91.21 %	1.096	0.381	0.02	10.45	11.5	1.274	0.532	22
Head Test Data at the worst case with Battery 3#											
Left cheek	802.11a c	102/5510	91.21 %	1.096	0.319	-0.09	10.45	11.5	1.274	0.445	22
Body worn Test data U-NII-2A(Separate 15mm)											
Front side	802.11a	56/5280	93.36 %	1.071	0.0391	-0.06	15.86	16.5	1.159	0.049	22
Back side	802.11a	56/5280	93.36 %	1.071	0.0162	-0.03	15.86	16.5	1.159	0.020	22
Front side	802.11a	52/5260	93.36 %	1.071	0.0269	0	15.85	16.5	1.161	0.033	22
Front side	802.11a	64/5320	93.36 %	1.071	0.0204	-0.05	13.14	14	1.219	0.027	22

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Body worn Test data U-NII-2C(Separate 15mm)											
Front side	802.11 a	116/558 0	93.36 %	1.071	0.0441	0.01	15.51	16.5	1.256	0.059	22
Back side	802.11 a	116/558 0	93.36 %	1.071	0.0274	-0.09	15.51	16.5	1.256	0.037	22
Front side	802.11 a	104/552 0	93.36 %	1.071	0.059	0	15.48	16.5	1.265	0.080	22
Front side	802.11 a	136/568 0	93.36 %	1.071	0.0256	-0.05	15.47	16.5	1.268	0.035	22
Front side	802.11 a	100/550 0	93.36 %	1.071	0.0257	0	12.67	14	1.358	0.037	22
Front side	802.11 a	144/572 0	93.36 %	1.071	0.011	0.04	13.09	14	1.233	0.015	22
Body worn Test data U-NII-3(Separate 15mm)											
Front side	802.11 a	157/578 5	93.36 %	1.071	0.0125	0.01	15.21	16.5	1.346	0.018	22
Back side	802.11 a	157/578 5	93.36 %	1.071	0.00894	-0.01	15.21	16.5	1.346	0.013	22
Front side	802.11 a	149/574 5	93.36 %	1.071	0.0155	0.05	15.12	16.5	1.374	0.023	22
Front side	802.11 a	165/582 5	93.36 %	1.071	0.0159	0	14.87	16	1.297	0.022	22
Body worn Data at the worst case with Battery 2#											
Front side	802.11 a	104/552 0	93.36 %	1.071	0.0397	0	15.48	16.5	1.265	0.054	22
Body worn Data at the worst case with Battery 3#											
Front side	802.11 a	104/552 0	93.36 %	1.071	0.052	-0.02	15.48	16.5	1.265	0.070	22
Hotspot Test data U-NII-1(Separate 10mm)											
Front side	802.11 a	40/5200	93.36 %	1.071	0.07	0.02	15.83	16.5	1.167	0.087	22
Back side	802.11 a	40/5200	93.36 %	1.071	0.041	0.06	15.83	16.5	1.167	0.051	22
Right side	802.11 a	40/5200	93.36 %	1.071	0.0279	-0.03	15.83	16.5	1.167	0.035	22
Top side	802.11 a	40/5200	93.36 %	1.071	0.0617	0.08	15.83	16.5	1.167	0.077	22
Front side	802.11 a	36/5180	93.36 %	1.071	0.0205	-0.06	13.12	14	1.225	0.027	22
Front side	802.11 a	48/5240	93.36 %	1.071	0.0629	-0.02	15.82	16.5	1.169	0.079	22
Hotspot Test data U-NII-3(Separate 10mm)											
Front side	802.11 a	157/578 5	93.36 %	1.071	0.0334	0.07	15.21	16.5	1.346	0.048	22
Back side	802.11 a	157/578 5	93.36 %	1.071	0.0239	0	15.21	16.5	1.346	0.034	22
Right side	802.11 a	157/578 5	93.36 %	1.071	0.0112	0	15.21	16.5	1.346	0.016	22
Top side	802.11 a	157/578 5	93.36 %	1.071	0.034	0.01	15.21	16.5	1.346	0.049	22
Top side	802.11 a	149/574 5	93.36 %	1.071	0.0427	0.01	15.12	16.5	1.374	0.063	22
Top side	802.11 a	165/582 5	93.36 %	1.071	0.0338	-0.04	14.87	16	1.297	0.047	22
Hotspot Test Data at the worst case with Battery 2#											
Front side	802.11 a	40/5200	93.36 %	1.071	0.0685	0.05	15.83	16.5	1.167	0.086	22
Hotspot Test Data at the worst case with Battery 3#											
Front side	802.11 a	40/5200	93.36 %	1.071	0.065	0.04	15.83	16.5	1.167	0.081	22

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WiFi 2 Test data											
Test position	Test mode	Test Ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg)1-g	Power drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data U-NII-2A											
Left cheek	802.11a	56/5280	93.52%	1.069	0.112	0.03	9.25	9.5	1.059	0.127	22
Left tilted	802.11a	56/5280	93.52%	1.069	0.134	0.01	9.25	9.5	1.059	0.152	22
Right cheek	802.11a	56/5280	93.52%	1.069	0.146	0.06	9.25	9.5	1.059	0.165	22
Right tilted	802.11a	56/5280	93.52%	1.069	0.214	0.01	9.25	9.5	1.059	0.242	22
Right tilted	802.11a	52/5260	93.52%	1.069	0.205	0.06	9.19	9.5	1.074	0.235	22
Right tilted	802.11a	64/5320	93.52%	1.069	0.22	0.06	9.15	9.5	1.084	0.255	22
Head Test data U-NII-2C											
Left cheek	802.11a	116/5580	93.52%	1.069	0.106	0.02	8.91	9.5	1.146	0.130	22
Left tilted	802.11a	116/5580	93.52%	1.069	0.12	0.09	8.91	9.5	1.146	0.147	22
Right cheek	802.11a	116/5580	93.52%	1.069	0.18	-0.09	8.91	9.5	1.146	0.220	22
Right tilted	802.11a	116/5580	93.52%	1.069	0.157	0.09	8.91	9.5	1.146	0.192	22
Right cheek	802.11a	100/5500	93.52%	1.069	0.203	0.06	8.67	9.5	1.211	0.263	22
Right cheek	802.11a	144/5720	93.52%	1.069	0.124	-0.03	8.45	9.5	1.274	0.169	22
Head Test data U-NII-3											
Left cheek	802.11a	157/5785	93.52%	1.069	0.0793	0.08	8.75	9.5	1.189	0.101	22
Left tilted	802.11a	157/5785	93.52%	1.069	0.0977	-0.09	8.75	9.5	1.189	0.124	22
Right cheek	802.11a	157/5785	93.52%	1.069	0.0973	0	8.75	9.5	1.189	0.124	22
Right tilted	802.11a	157/5785	93.52%	1.069	0.1	0.03	8.75	9.5	1.189	0.127	22
Right tilted	802.11a	149/5745	93.52%	1.069	0.0983	0	8.48	9.5	1.265	0.133	22
Right tilted	802.11a	165/5825	93.52%	1.069	0.0615	0.06	8.71	9.5	1.199	0.079	22
Head Test Data at the worst case with Battery 2#											
Right cheek	802.11a	100/5500	93.52%	1.069	0.273	0.06	8.67	9.5	1.211	0.353	22
Head Test Data at the worst case with Battery 3#											
Right cheek	802.11a	100/5500	93.52%	1.069	0.224	0.1	8.67	9.5	1.211	0.290	22
Body worn Test data U-NII-2A(Separate 15mm)											
Front side	802.11a	56/5280	93.52%	1.069	0.000862	0.02	9.25	9.5	1.059	0.001	22
Back side	802.11a	56/5280	93.52%	1.069	0.00532	0	9.25	9.5	1.059	0.006	22
Back side	802.11a	52/5260	93.52%	1.069	0.000422	-0.05	9.19	9.5	1.074	0.000	22
Back side	802.11a	64/5320	93.52%	1.069	0.00299	-0.09	9.15	9.5	1.084	0.003	22

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Body worn Test data U-NII-2C(Separate 15mm)											
Front side	802.11 a	116/558 0	93.52 %	1.069	0.00203	0.09	8.91	9.5	1.146	0.002	22
Back side	802.11 a	116/558 0	93.52 %	1.069	0.00343	0	8.91	9.5	1.146	0.004	22
Back side	802.11 a	100/550 0	93.52 %	1.069	0.0131	0	8.67	9.5	1.211	0.017	22
Back side	802.11 a	144/572 0	93.52 %	1.069	0.0141	-0.09	8.45	9.5	1.274	0.019	22
Body worn Test data U-NII-3(Separate 15mm)											
Front side	802.11 a	157/578 5	93.52 %	1.069	0.0069	-0.04	8.75	9.5	1.189	0.009	22
Back side	802.11 a	157/578 5	93.52 %	1.069	0.02	-0.07	8.75	9.5	1.189	0.025	22
Back side	802.11 a	149/574 5	93.52 %	1.069	0.0137	0.02	8.48	9.5	1.265	0.019	22
Back side	802.11 a	165/582 5	93.52 %	1.069	0.0114	0.04	8.71	9.5	1.199	0.015	22
Body worn Test Data at the worst case with Battery 2#											
Back side	802.11 a	157/578 5	93.52 %	1.069	0.0133	0.01	8.75	9.5	1.189	0.017	22
Body worn Test Data at the worst case with Battery 3#											
Back side	802.11 a	157/578 5	93.52 %	1.069	0.00469	0	8.75	9.5	1.189	0.006	22
Hotspot Test data U-NII-1(Separate 10mm)											
Front side	802.11 a	40/5200	93.52 %	1.069	0.00175	0.04	9.20	9.5	1.072	0.002	22
Back side	802.11 a	40/5200	93.52 %	1.069	0.00861	0	9.20	9.5	1.072	0.010	22
Left side	802.11 a	40/5200	93.52 %	1.069	0.00048 9	-0.07	9.20	9.5	1.072	0.001	22
Top side	802.11 a	40/5200	93.52 %	1.069	0.00554	0	9.20	9.5	1.072	0.006	22
Back side	802.11 a	36/5180	93.52 %	1.069	0.00703	-0.07	8.95	9	1.012	0.008	22
Back side	802.11 a	48/5240	93.52 %	1.069	0.00639	-0.01	9.15	9.5	1.084	0.007	22
Hotspot Test data U-NII-3(Separate 10mm)											
Front side	802.11 a	157/578 5	93.52 %	1.069	0.0172	0	8.75	9.5	1.189	0.022	22
Back side	802.11 a	157/578 5	93.52 %	1.069	0.035	-0.06	8.75	9.5	1.189	0.044	22
Left side	802.11 a	157/578 5	93.52 %	1.069	0.00416	-0.01	8.75	9.5	1.189	0.005	22
Top side	802.11 a	157/578 5	93.52 %	1.069	0.011	0	8.75	9.5	1.189	0.014	22
Back side	802.11 a	149/574 5	93.52 %	1.069	0.00525	0	8.48	9.5	1.265	0.007	22
Back side	802.11 a	165/582 5	93.52 %	1.069	0.0108	-0.07	8.71	9.5	1.199	0.014	22
Hotspot Test Data at the worst case with Battery 2#											
Back side	802.11 a	157/578 5	93.52 %	1.069	0.0143	0	8.75	9.5	1.189	0.018	22
Hotspot Test Data at the worst case with Battery 3#											
Back side	802.11 a	157/578 5	93.52 %	1.069	0.00609	-0.02	8.75	9.5	1.189	0.008	22

Table 31 : SAR of 5GHz WIFI for Head and Body

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Note:

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

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8.3.17 SAR Result Of Bluetooth

Bluetooth Test data											
Test position	Test mode	Test Ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg)1-g	Power drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scale d factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data											
Left cheek	DH5	62/2464	100.00 %	1	0.237	0.16	10.24	11.5	1.337	0.317	22
Left tilted	DH5	62/2464	100.00 %	1	0.254	0.11	10.24	11.5	1.337	0.339	22
Right cheek	DH5	62/2464	100.00 %	1	0.153	0.06	10.24	11.5	1.337	0.204	22
Right tilted	DH5	62/2464	100.00 %	1	0.182	0.11	10.24	11.5	1.337	0.243	22
Left tilted	DH5	65/2467	100.00 %	1	0.198	0.15	10.11	11.5	1.377	0.273	22
Left tilted	DH5	69/2471	100.00 %	1	0.183	0.14	9.73	11.5	1.503	0.275	22
Head Test Data at the worst case with Battery 2#											
Left tilted	DH5	62/2464	100.00 %	1	0.192	0.19	10.24	11.5	1.337	0.257	22
Head Test Data at the worst case with Battery 3#											
Left tilted	DH5	62/2464	100.00 %	1	0.288	0.19	10.24	11.5	1.337	0.385	22
Body worn Test data(Separate 15mm)											
Front side	DH5	62/2464	100.00 %	1	0.0198	-0.03	10.24	11.5	1.337	0.026	22
Back side	DH5	62/2464	100.00 %	1	0.0224	0.05	10.24	11.5	1.337	0.030	22
Back side	DH5	65/2467	100.00 %	1	0.0164	-0.04	10.11	11.5	1.377	0.023	22
Back side	DH5	69/2471	100.00 %	1	0.0238	-0.01	9.73	11.5	1.503	0.036	22
Body worn Test Data at the worst case with Battery 2#											
Back side	DH5	69/2471	100.00 %	1	0.0209	0.07	9.6	11.5	1.549	0.032	22
Body worn Test Data at the worst case with Battery 3#											
Back side	DH5	69/2471	100.00 %	1	0.0189	-0.08	9.6	11.5	1.549	0.029	22
Hotspot Test data (Separate 10mm)											
Front side	DH5	62/2464	100.00 %	1	0.0381	-0.03	10.24	11.5	1.337	0.051	22
Back side	DH5	62/2464	100.00 %	1	0.0442	-0.05	10.24	11.5	1.337	0.059	22
Right side	DH5	62/2464	100.00 %	1	0.0149	-0.02	10.24	11.5	1.337	0.020	22
Top side	DH5	62/2464	100.00 %	1	0.0704	0.09	10.24	11.5	1.337	0.094	22
Top side	DH5	65/2467	100.00 %	1	0.0604	0.09	10.11	11.5	1.377	0.083	22
Top side	DH5	69/2471	100.00 %	1	0.0654	0.08	9.73	11.5	1.503	0.098	22
Hotspot Test Data at the worst case with Battery 2#											
Top side	DH5	69/2471	100.00 %	1	0.06	0.11	9.73	11.5	1.503	0.090	22

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Hotspot Test Data at the worst case with Battery 3#

Top side	DH5	69/2471	100.00 %	1	0.0775	0.02	9.73	11.5	1.503	0.116	22

Table 32 : SAR of Bluetooth for Head & Body

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8.4 Multiple Transmitter Evaluation

8.4.1 Simultaneous SAR test evaluation

1) Simultaneous Transmission Combination

NO.	Simultaneous TX Combination	Head	Body-worn	Hotspot
1	GSM Voice(Ant 1) + BT	Yes	Yes	N/A
2	GSM DATA(Ant 1) + BT	N/A	Yes	Yes
3	GSM Voice(Ant 2) + BT	Yes	Yes	N/A
4	GSM DATA (Ant 2)+ BT	N/A	Yes	Yes
5	GSM Voice(Ant 1) + Wi-Fi 2.4G (Ant 1)	Yes	Yes	N/A
6	GSM DATA(Ant 1) + Wi-Fi 2.4G (Ant 1)	N/A	Yes	Yes
7	GSM Voice(Ant 2) + Wi-Fi 2.4G (Ant 1)	Yes	Yes	N/A
8	GSM DATA(Ant 2) + Wi-Fi 2.4G (Ant 1)	N/A	Yes	Yes
9	UMTS (Ant 1) + BT	Yes	Yes	Yes
10	UMTS (Ant 2) + BT	Yes	Yes	Yes
11	UMTS (Ant 1) + Wi-Fi 2.4G (Ant 1)	Yes	Yes	Yes
12	UMTS (Ant 2) + Wi-Fi 2.4G (Ant 1)	Yes	Yes	Yes
13	LTE (Ant 1) + Wi-Fi 2.4G (Ant 1)	Yes	Yes	Yes
14	LTE(Ant 1) + BT	Yes	Yes	Yes
15	LTE (Ant 2) + Wi-Fi 2.4G (Ant 1)	Yes	Yes	Yes
16	LTE (Ant 2) + BT	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
18	GSM DATA(Ant 1) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	N/A	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
20	GSM DATA(Ant 2) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	N/A	Yes	Yes
21	UMTS (Ant 1) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	Yes	Yes	Yes
22	UMTS (Ant 2) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	Yes	Yes	Yes
23	LTE (Ant 1) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	Yes	Yes	Yes
24	LTE (Ant 2) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	Yes	Yes	Yes
25	GSM Voice(Ant 1) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	N/A
26	GSM DATA(Ant 1) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	N/A	Yes	Yes
27	GSM Voice(Ant 2) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	N/A
28	GSM DATA(Ant 2) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	N/A	Yes	Yes
29	UMTS (Ant 1) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	Yes
30	UMTS (Ant 2) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	Yes
31	LTE (Ant 1) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	Yes
32	LTE (Ant 2) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	Yes

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33	GSM Voice(Ant 1) + BT+5G (Ant1/ Ant2/ MIMO)	Yes	Yes	N/A
34	GSM DATA(Ant 1) + BT+5G (Ant1/ Ant2/ MIMO)	N/A	Yes	Yes
35	GSM Voice(Ant 2) + BT+5G (Ant1/ Ant2/ MIMO)	Yes	Yes	N/A
36	GSM DATA (Ant 2)+ BT+5G (Ant1/ Ant2/ MIMO)	N/A	Yes	Yes
37	UMTS (Ant 1) + BT+5G (Ant1/ Ant2/ MIMO)	Yes	Yes	Yes
38	UMTS (Ant 2) + BT+5G (Ant1/ Ant2/ MIMO)	Yes	Yes	Yes
39	LTE (Ant 1) + BT+5G (Ant1/ Ant2/ MIMO)	Yes	Yes	Yes
40	LTE (Ant 2) + BT+5G (Ant1/ Ant2/ MIMO)	Yes	Yes	Yes

Note:

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

2) Simultaneous Transmission SAR Summation Scenario

WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+④	Case NO.
GSM 850	Head	Left Cheek	0.256	0.286	0.460	0.317	0.542	0.573	N/A
		Left Tilt	0.165	0.476	0.613	0.385	0.641	0.550	N/A
		Right Cheek	0.376	0.242	0.680	0.204	0.618	0.580	N/A
		Right Tilt	0.149	0.262	0.926	0.243	0.411	0.392	N/A
	Body-worn	Front(voice)	0.325	0.087	0.062	0.026	0.412	0.351	N/A
		Back(voice)	0.479	0.182	0.082	0.036	0.661	0.515	N/A
		Front(data)	0.269	0.087	0.062	0.026	0.356	0.295	N/A
		Back(data)	0.38	0.182	0.082	0.036	0.562	0.416	N/A
	Hotspot	Front	0.375	0.157	0.114	0.051	0.532	0.426	N/A
		Back	0.691	0.271	0.136	0.059	0.962	0.750	N/A
		Left	0.114	0.000	0.104	0	0.114	0.114	N/A
		Right	0.492	0.119	0.000	0.02	0.611	0.512	N/A
		Top	0	0.760	0.371	0.116	0.760	0.116	N/A
		Bottom	0.349	0.000	0.000	0	0.349	0.349	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR①+ ④	Case NO.
	Head	Left Cheek	0.725	0.286	0.460	0.317	1.011	1.042	N/A
		Left Tilt	0.601	0.476	0.613	0.385	1.077	0.986	N/A
		Right Cheek	0.687	0.242	0.680	0.204	0.929	0.891	N/A
		Right Tilt	0.618	0.262	0.926	0.243	0.880	0.861	N/A
	Body-worn	Front(voice)	0.118	0.087	0.062	0.026	0.205	0.144	N/A
		Back(voice)	0.116	0.182	0.082	0.036	0.298	0.152	N/A
		Front(data)	0.447	0.087	0.062	0.026	0.534	0.473	N/A
		Back(data)	0.420	0.182	0.082	0.036	0.602	0.456	N/A
	Hotspot	Front	0.381	0.157	0.114	0.051	0.538	0.432	N/A
		Back	0.425	0.271	0.136	0.059	0.696	0.484	N/A
		Left	0.171	0.000	0.104	0	0.171	0.171	N/A
		Right	0.036	0.119	0.000	0.02	0.155	0.056	N/A
		Top	0.304	0.760	0.371	0.116	1.064	0.420	N/A
		Bottom	0	0.000	0.000	0	0.000	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+④	Case NO.
GSM 1900	Head	Left Cheek	0.15	0.286	0.460	0.317	0.436	0.467	N/A
		Left Tilt	0.031	0.476	0.613	0.385	0.507	0.416	N/A
		Right Cheek	0.064	0.242	0.680	0.204	0.306	0.268	N/A
		Right Tilt	0.042	0.262	0.926	0.243	0.304	0.285	N/A
	Body-worn	Front(voice)	0.271	0.087	0.062	0.026	0.358	0.297	N/A
		Back(voice)	0.28	0.182	0.082	0.036	0.462	0.316	N/A
		Front(data)	0.304	0.087	0.062	0.026	0.391	0.330	N/A
		Back(data)	0.511	0.182	0.082	0.036	0.693	0.547	N/A
	Hotspot	Front	0.222	0.157	0.114	0.051	0.379	0.273	N/A
		Back	0.242	0.271	0.136	0.059	0.513	0.301	N/A
		Left	0.067	0.000	0.104	0	0.067	0.067	N/A
		Right	0.021	0.119	0.000	0.02	0.140	0.041	N/A
		Top	0	0.760	0.371	0.116	0.760	0.116	N/A
		Bottom	0.667	0.000	0.000	0	0.667	0.667	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR①+ ④	Case NO.
	Head	Left Cheek	0.334	0.286	0.460	0.317	0.620	0.651	N/A
		Left Tilt	0.438	0.476	0.613	0.385	0.914	0.823	N/A
		Right Cheek	0.735	0.242	0.680	0.204	0.977	0.939	N/A
		Right Tilt	0.529	0.262	0.926	0.243	0.791	0.772	N/A
	Body-worn	Front(voice)	0.067	0.087	0.062	0.026	0.154	0.093	N/A
		Back(voice)	0.071	0.182	0.082	0.036	0.253	0.107	N/A
		Front(data)	0.248	0.087	0.062	0.026	0.335	0.274	N/A
		Back(data)	0.339	0.182	0.082	0.036	0.521	0.375	N/A
	Hotspot	Front	0.203	0.157	0.114	0.051	0.360	0.254	N/A
		Back	0.216	0.271	0.136	0.059	0.487	0.275	N/A
		Left	0.230	0.000	0.104	0	0.230	0.230	N/A
		Right	0.045	0.119	0.000	0.02	0.164	0.065	N/A
		Top	0.336	0.760	0.371	0.116	1.096	0.452	N/A
		Bottom	0.000	0.000	0.000	0	0.000	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+④	Case NO.
WCDMA B2	Head	Left Cheek	0.255	0.286	0.460	0.317	0.541	0.572	N/A
		Left Tilt	0.058	0.476	0.613	0.385	0.534	0.443	N/A
		Right Cheek	0.124	0.242	0.680	0.204	0.366	0.328	N/A
		Right Tilt	0.084	0.262	0.926	0.243	0.346	0.327	N/A
	Body-worn	Front	0.522	0.087	0.062	0.026	0.609	0.548	N/A
		Back	0.723	0.182	0.082	0.036	0.905	0.759	N/A
	Hotspot	Front	0.296	0.157	0.114	0.051	0.453	0.347	N/A
		Back	0.31	0.271	0.136	0.059	0.581	0.369	N/A
		Left	0.091	0.000	0.104	0	0.091	0.091	N/A
		Right	0.026	0.119	0.000	0.02	0.145	0.046	N/A
		Top	0	0.760	0.371	0.116	0.760	0.116	N/A
		Bottom	0.699	0.000	0.000	0	0.699	0.699	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR①+ ④	Case NO.
	Head	Left Cheek	0.427	0.286	0.460	0.317	0.713	0.744	N/A
		Left Tilt	0.514	0.476	0.613	0.385	0.990	0.899	N/A
		Right Cheek	0.667	0.242	0.680	0.204	0.909	0.871	N/A
		Right Tilt	0.457	0.262	0.926	0.243	0.719	0.700	N/A
	Body-worn	Front	0.223	0.087	0.062	0.026	0.310	0.249	N/A
		Back	0.265	0.182	0.082	0.036	0.447	0.301	N/A
	Hotspot	Front	0.143	0.157	0.114	0.051	0.300	0.194	N/A
		Back	0.186	0.271	0.136	0.059	0.457	0.245	N/A
		Left	0.203	0.000	0.104	0	0.203	0.203	N/A
		Right	0.038	0.119	0.000	0.02	0.157	0.058	N/A
		Top	0.296	0.760	0.371	0.116	1.056	0.412	N/A
		Bottom	0.000	0.000	0.000	0	0.000	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+④	Case NO.
WCDMA B4	Head	Left Cheek	0.144	0.286	0.460	0.317	0.430	0.461	N/A
		Left Tilt	0.04	0.476	0.613	0.385	0.516	0.425	N/A
		Right Cheek	0.102	0.242	0.680	0.204	0.344	0.306	N/A
		Right Tilt	0.069	0.262	0.926	0.243	0.331	0.312	N/A
	Body-worn	Front	0.537	0.087	0.062	0.026	0.624	0.563	N/A
		Back	0.383	0.182	0.082	0.036	0.565	0.419	N/A
	Hotspot	Front	0.335	0.157	0.114	0.051	0.492	0.386	N/A
		Back	0.292	0.271	0.136	0.059	0.563	0.351	N/A
		Left	0.073	0.000	0.104	0	0.073	0.073	N/A
		Right	0.024	0.119	0.000	0.02	0.143	0.044	N/A
		Top	0	0.760	0.371	0.116	0.760	0.116	N/A
		Bottom	0.811	0.000	0.000	0	0.811	0.811	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR①+ ④	Case NO.
	Head	Left Cheek	0.310	0.286	0.460	0.317	0.596	0.627	N/A
		Left Tilt	0.433	0.476	0.613	0.385	0.909	0.818	N/A
		Right Cheek	0.567	0.242	0.680	0.204	0.809	0.771	N/A
		Right Tilt	0.461	0.262	0.926	0.243	0.723	0.704	N/A
	Body-worn	Front	0.147	0.087	0.062	0.026	0.234	0.173	N/A
		Back	0.190	0.182	0.082	0.036	0.372	0.226	N/A
	Hotspot	Front	0.112	0.157	0.114	0.051	0.269	0.163	N/A
		Back	0.142	0.271	0.136	0.059	0.413	0.201	N/A
		Left	0.125	0.000	0.104	0	0.125	0.125	N/A
		Right	0.011	0.119	0.000	0.02	0.130	0.031	N/A
		Top	0.196	0.760	0.371	0.116	0.956	0.312	N/A
		Bottom	0.000	0.000	0.000	0	0.000	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+④	Case NO.
WCDMA B5	Head	Left Cheek	0.188	0.286	0.460	0.317	0.474	0.505	N/A
		Left Tilt	0.116	0.476	0.613	0.385	0.592	0.501	N/A
		Right Cheek	0.321	0.242	0.680	0.204	0.563	0.525	N/A
		Right Tilt	0.109	0.262	0.926	0.243	0.371	0.352	N/A
	Body-worn	Front	0.245	0.087	0.062	0.026	0.332	0.271	N/A
		Back	0.382	0.182	0.082	0.036	0.564	0.418	N/A
	Hotspot	Front	0.364	0.157	0.114	0.051	0.521	0.415	N/A
		Back	0.564	0.271	0.136	0.059	0.835	0.623	N/A
		Left	0.142	0.000	0.104	0	0.142	0.142	N/A
		Right	0.451	0.119	0.000	0.02	0.570	0.471	N/A
		Top	0	0.760	0.371	0.116	0.760	0.116	N/A
		Bottom	0.327	0.000	0.000	0	0.327	0.327	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR①+ ④	Case NO.
	Head	Left Cheek	0.786	0.286	0.460	0.317	1.072	1.103	N/A
		Left Tilt	0.612	0.476	0.613	0.385	1.088	0.997	N/A
		Right Cheek	0.660	0.242	0.680	0.204	0.902	0.864	N/A
		Right Tilt	0.577	0.262	0.926	0.243	0.839	0.820	N/A
	Body-worn	Front	0.332	0.087	0.062	0.026	0.419	0.358	N/A
		Back	0.289	0.182	0.082	0.036	0.471	0.325	N/A
	Hotspot	Front	0.276	0.157	0.114	0.051	0.433	0.327	N/A
		Back	0.251	0.271	0.136	0.059	0.522	0.310	N/A
		Left	0.116	0.000	0.104	0	0.116	0.116	N/A
		Right	0.022	0.119	0.000	0.02	0.141	0.042	N/A
		Top	0.193	0.760	0.371	0.116	0.953	0.309	N/A
		Bottom	0.000	0.000	0.000	0	0.000	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+④	Case NO.
LTE B2	Head	Left Cheek	0.199	0.286	0.460	0.317	0.485	0.516	N/A
		Left Tilt	0.066	0.476	0.613	0.385	0.542	0.451	N/A
		Right Cheek	0.118	0.242	0.680	0.204	0.360	0.322	N/A
		Right Tilt	0.095	0.262	0.926	0.243	0.357	0.338	N/A
	Body-worn	Front	0.608	0.087	0.062	0.026	0.695	0.634	N/A
		Back	0.46	0.182	0.082	0.036	0.642	0.496	N/A
	Hotspot	Front	0.293	0.157	0.114	0.051	0.450	0.344	N/A
		Back	0.307	0.271	0.136	0.059	0.578	0.366	N/A
		Left	0.091	0.000	0.104	0	0.091	0.091	N/A
		Right	0.024	0.119	0.000	0.02	0.143	0.044	N/A
		Top	0	0.760	0.371	0.116	0.760	0.116	N/A
		Bottom	0.743	0.000	0.000	0	0.743	0.743	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR①+ ④	Case NO.
	Head	Left Cheek	0.343	0.286	0.460	0.317	0.629	0.660	N/A
		Left Tilt	0.557	0.476	0.613	0.385	1.033	0.942	N/A
		Right Cheek	0.437	0.242	0.680	0.204	0.679	0.641	N/A
		Right Tilt	0.380	0.262	0.926	0.243	0.642	0.623	N/A
	Body-worn	Front	0.203	0.087	0.062	0.026	0.290	0.229	N/A
		Back	0.285	0.182	0.082	0.036	0.467	0.321	N/A
	Hotspot	Front	0.163	0.157	0.114	0.051	0.320	0.214	N/A
		Back	0.202	0.271	0.136	0.059	0.473	0.261	N/A
		Left	0.192	0.000	0.104	0	0.192	0.192	N/A
		Right	0.033	0.119	0.000	0.02	0.152	0.053	N/A
		Top	0.310	0.760	0.371	0.116	1.070	0.426	N/A
		Bottom	0.000	0.000	0.000	0	0.000	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+④	Case NO.
LTE B4	Head	Left Cheek	0.128	0.286	0.460	0.317	0.414	0.445	N/A
		Left Tilt	0.057	0.476	0.613	0.385	0.533	0.442	N/A
		Right Cheek	0.067	0.242	0.680	0.204	0.309	0.271	N/A
		Right Tilt	0.049	0.262	0.926	0.243	0.311	0.292	N/A
	Body-worn	Front	0.426	0.087	0.062	0.026	0.513	0.452	N/A
		Back	0.278	0.182	0.082	0.036	0.460	0.314	N/A
	Hotspot	Front	0.248	0.157	0.114	0.051	0.405	0.299	N/A
		Back	0.222	0.271	0.136	0.059	0.493	0.281	N/A
		Left	0.05	0.000	0.104	0	0.050	0.050	N/A
		Right	0.017	0.119	0.000	0.02	0.136	0.037	N/A
		Top	0	0.760	0.371	0.116	0.760	0.116	N/A
		Bottom	0.706	0.000	0.000	0	0.706	0.706	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR①+ ④	Case NO.
	Head	Left Cheek	0.316	0.286	0.460	0.317	0.602	0.633	N/A
		Left Tilt	0.478	0.476	0.613	0.385	0.954	0.863	N/A
		Right Cheek	0.364	0.242	0.680	0.204	0.606	0.568	N/A
		Right Tilt	0.319	0.262	0.926	0.243	0.581	0.562	N/A
	Body-worn	Front	0.117	0.087	0.062	0.026	0.204	0.143	N/A
		Back	0.180	0.182	0.082	0.036	0.362	0.216	N/A
	Hotspot	Front	0.075	0.157	0.114	0.051	0.232	0.126	N/A
		Back	0.110	0.271	0.136	0.059	0.381	0.169	N/A
		Left	0.104	0.000	0.104	0	0.104	0.104	N/A
		Right	0.007	0.119	0.000	0.02	0.126	0.027	N/A
		Top	0.158	0.760	0.371	0.116	0.918	0.274	N/A
		Bottom	0.000	0.000	0.000	0	0.000	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+④	Case NO.
LTE B5	Head	Left Cheek	0.138	0.286	0.460	0.317	0.424	0.455	N/A
		Left Tilt	0.104	0.476	0.613	0.385	0.580	0.489	N/A
		Right Cheek	0.278	0.242	0.680	0.204	0.520	0.482	N/A
		Right Tilt	0.091	0.262	0.926	0.243	0.353	0.334	N/A
	Body-worn	Front	0.25	0.087	0.062	0.026	0.337	0.276	N/A
		Back	0.363	0.182	0.082	0.036	0.545	0.399	N/A
	Hotspot	Front	0.364	0.157	0.114	0.051	0.521	0.415	N/A
		Back	0.549	0.271	0.136	0.059	0.820	0.608	N/A
		Left	0.137	0.000	0.104	0	0.137	0.137	N/A
		Right	0.397	0.119	0.000	0.02	0.516	0.417	N/A
		Top	0	0.760	0.371	0.116	0.760	0.116	N/A
		Bottom	0.276	0.000	0.000	0	0.276	0.276	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR①+ ④	Case NO.
	Head	Left Cheek	0.711	0.286	0.460	0.317	0.997	1.028	N/A
		Left Tilt	0.542	0.476	0.613	0.385	1.018	0.927	N/A
		Right Cheek	0.706	0.242	0.680	0.204	0.948	0.910	N/A
		Right Tilt	0.601	0.262	0.926	0.243	0.863	0.844	N/A
	Body-worn	Front	0.317	0.087	0.062	0.026	0.404	0.343	N/A
		Back	0.263	0.182	0.082	0.036	0.445	0.299	N/A
	Hotspot	Front	0.283	0.157	0.114	0.051	0.440	0.334	N/A
		Back	0.294	0.271	0.136	0.059	0.565	0.353	N/A
		Left	0.114	0.000	0.104	0	0.114	0.114	N/A
		Right	0.026	0.119	0.000	0.02	0.145	0.046	N/A
		Top	0.194	0.760	0.371	0.116	0.954	0.310	N/A
		Bottom	0.000	0.000	0.000	0	0.000	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	⑤ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+④	Case NO.
LTE B7	Head	Left Cheek	0.068	0.286	0.460	0.317	0.354	0.385	N/A
		Left Tilt	0.124	0.476	0.613	0.385	0.600	0.509	N/A
		Right Cheek	0.105	0.242	0.680	0.204	0.347	0.309	N/A
		Right Tilt	0.096	0.262	0.926	0.243	0.358	0.339	N/A
	Body-worn	Front	0.418	0.087	0.062	0.026	0.505	0.444	N/A
		Back	0.365	0.182	0.082	0.036	0.547	0.401	N/A
	Hotspot	Front	0.386	0.157	0.114	0.051	0.543	0.437	N/A
		Back	0.49	0.271	0.136	0.059	0.761	0.549	N/A
		Left	0.151	0.000	0.104	0	0.151	0.151	N/A
		Right	0.309	0.119	0.000	0.02	0.428	0.329	N/A
		Top	0	0.760	0.371	0.116	0.760	0.116	N/A
		Bottom	0.921	0.000	0.000	0	0.921	0.921	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR①+ ④	Case NO.
	Head	Left Cheek	0.470	0.286	0.460	0.317	0.756	0.787	N/A
		Left Tilt	0.620	0.476	0.613	0.385	1.096	1.005	N/A
		Right Cheek	0.562	0.242	0.680	0.204	0.804	0.766	N/A
		Right Tilt	0.985	0.262	0.926	0.243	1.247	1.228	N/A
	Body-worn	Front	0.118	0.087	0.062	0.026	0.205	0.144	N/A
		Back	0.207	0.182	0.082	0.036	0.389	0.243	N/A
	Hotspot	Front	0.102	0.157	0.114	0.051	0.259	0.153	N/A
		Back	0.151	0.271	0.136	0.059	0.422	0.210	N/A
		Left	0.097	0.000	0.104	0	0.097	0.097	N/A
		Right	0.015	0.119	0.000	0.02	0.134	0.035	N/A
		Top	0.497	0.760	0.371	0.116	1.257	0.613	N/A
		Bottom	0.000	0.000	0.000	0	0.000	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+④	Case NO.
LTE B12	Head	Left Cheek	0.125	0.286	0.460	0.317	0.411	0.442	N/A
		Left Tilt	0.104	0.476	0.613	0.385	0.580	0.489	N/A
		Right Cheek	0.194	0.242	0.680	0.204	0.436	0.398	N/A
		Right Tilt	0.1	0.262	0.926	0.243	0.362	0.343	N/A
	Body-worn	Front	0.25	0.087	0.062	0.026	0.337	0.276	N/A
		Back	0.33	0.182	0.082	0.036	0.512	0.366	N/A
	Hotspot	Front	0.345	0.157	0.114	0.051	0.502	0.396	N/A
		Back	0.423	0.271	0.136	0.059	0.694	0.482	N/A
		Left	0.401	0.000	0.104	0	0.401	0.401	N/A
		Right	0.442	0.119	0.000	0.02	0.561	0.462	N/A
		Top	0	0.760	0.371	0.116	0.760	0.116	N/A
		Bottom	0.223	0.000	0.000	0	0.223	0.223	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR①+ ④	Case NO.
	Head	Left Cheek	0.757	0.286	0.460	0.317	1.043	1.074	N/A
		Left Tilt	0.621	0.476	0.613	0.385	1.097	1.006	N/A
		Right Cheek	0.661	0.242	0.680	0.204	0.903	0.865	N/A
		Right Tilt	0.657	0.262	0.926	0.243	0.919	0.900	N/A
	Body-worn	Front	0.221	0.087	0.062	0.026	0.308	0.247	N/A
		Back	0.184	0.182	0.082	0.036	0.366	0.220	N/A
	Hotspot	Front	0.238	0.157	0.114	0.051	0.395	0.289	N/A
		Back	0.209	0.271	0.136	0.059	0.480	0.268	N/A
		Left	0.079	0.000	0.104	0	0.079	0.079	N/A
		Right	0.018	0.119	0.000	0.02	0.137	0.038	N/A
		Top	0.177	0.760	0.371	0.116	0.937	0.293	N/A
		Bottom	0.000	0.000	0.000	0	0.000	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+④	Case NO.
LTE B17	Head	Left Cheek	0.126	0.286	0.460	0.317	0.412	0.443	N/A
		Left Tilt	0.1	0.476	0.613	0.385	0.576	0.485	N/A
		Right Cheek	0.196	0.242	0.680	0.204	0.438	0.400	N/A
		Right Tilt	0.098	0.262	0.926	0.243	0.360	0.341	N/A
	Body-worn	Front	0.244	0.087	0.062	0.026	0.331	0.270	N/A
		Back	0.342	0.182	0.082	0.036	0.524	0.378	N/A
	Hotspot	Front	0.334	0.157	0.114	0.051	0.491	0.385	N/A
		Back	0.405	0.271	0.136	0.059	0.676	0.464	N/A
		Left	0.386	0.000	0.104	0	0.386	0.386	N/A
		Right	0.45	0.119	0.000	0.02	0.569	0.470	N/A
		Top	0	0.760	0.371	0.116	0.760	0.116	N/A
		Bottom	0.223	0.000	0.000	0	0.223	0.223	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR①+ ④	Case NO.
	Head	Left Cheek	0.612	0.286	0.460	0.317	0.898	0.929	N/A
		Left Tilt	0.499	0.476	0.613	0.385	0.975	0.884	N/A
		Right Cheek	0.739	0.242	0.680	0.204	0.981	0.943	N/A
		Right Tilt	0.637	0.262	0.926	0.243	0.899	0.880	N/A
	Body-worn	Front	0.209	0.087	0.062	0.026	0.296	0.235	N/A
		Back	0.172	0.182	0.082	0.036	0.354	0.208	N/A
	Hotspot	Front	0.228	0.157	0.114	0.051	0.385	0.279	N/A
		Back	0.208	0.271	0.136	0.059	0.479	0.267	N/A
		Left	0.080	0.000	0.104	0	0.080	0.080	N/A
		Right	0.018	0.119	0.000	0.02	0.137	0.038	N/A
		Top	0.179	0.760	0.371	0.116	0.939	0.295	N/A
		Bottom	0.000	0.000	0.000	0	0.000	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+④	Case NO.
LTE B26	Head	Left Cheek	0.108	0.286	0.460	0.317	0.394	0.425	N/A
		Left Tilt	0.067	0.476	0.613	0.385	0.543	0.452	N/A
		Right Cheek	0.256	0.242	0.680	0.204	0.498	0.460	N/A
		Right Tilt	0.073	0.262	0.926	0.243	0.335	0.316	N/A
	Body-worn	Front	0.209	0.087	0.062	0.026	0.296	0.235	N/A
		Back	0.348	0.182	0.082	0.036	0.530	0.384	N/A
	Hotspot	Front	0.29	0.157	0.114	0.051	0.447	0.341	N/A
		Back	0.493	0.271	0.136	0.059	0.764	0.552	N/A
		Left	0.123	0.000	0.104	0	0.123	0.123	N/A
		Right	0.327	0.119	0.000	0.02	0.446	0.347	N/A
		Top	0	0.760	0.371	0.116	0.760	0.116	N/A
		Bottom	0.221	0.000	0.000	0	0.221	0.221	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR①+ ④	Case NO.
	Head	Left Cheek	0.593	0.286	0.460	0.317	0.879	0.910	N/A
		Left Tilt	0.461	0.476	0.613	0.385	0.937	0.846	N/A
		Right Cheek	0.668	0.242	0.680	0.204	0.910	0.872	N/A
		Right Tilt	0.541	0.262	0.926	0.243	0.803	0.784	N/A
	Body-worn	Front	0.250	0.087	0.062	0.026	0.337	0.276	N/A
		Back	0.288	0.182	0.082	0.036	0.470	0.324	N/A
	Hotspot	Front	0.269	0.157	0.114	0.051	0.426	0.320	N/A
		Back	0.255	0.271	0.136	0.059	0.526	0.314	N/A
		Left	0.110	0.000	0.104	0	0.110	0.110	N/A
		Right	0.029	0.119	0.000	0.02	0.148	0.049	N/A
		Top	0.200	0.760	0.371	0.116	0.960	0.316	N/A
		Bottom	0.000	0.000	0.000	0	0.000	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+④	Case NO.
LTE B38	Head	Left Cheek	0.07	0.286	0.460	0.317	0.356	0.387	N/A
		Left Tilt	0.082	0.476	0.613	0.385	0.558	0.467	N/A
		Right Cheek	0.106	0.242	0.680	0.204	0.348	0.310	N/A
		Right Tilt	0.077	0.262	0.926	0.243	0.339	0.320	N/A
	Body-worn	Front	0.359	0.087	0.062	0.026	0.446	0.385	N/A
		Back	0.376	0.182	0.082	0.036	0.558	0.412	N/A
	Hotspot	Front	0.358	0.157	0.114	0.051	0.515	0.409	N/A
		Back	0.379	0.271	0.136	0.059	0.650	0.438	N/A
		Left	0.153	0.000	0.104	0	0.153	0.153	N/A
		Right	0.262	0.119	0.000	0.02	0.381	0.282	N/A
		Top	0.000	0.760	0.371	0.116	0.760	0.116	N/A
		Bottom	0.72	0.000	0.000	0	0.720	0.720	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR①+ ④	Case NO.
	Head	Left Cheek	0.481	0.286	0.460	0.317	0.767	0.798	N/A
		Left Tilt	0.599	0.476	0.613	0.385	1.075	0.984	N/A
		Right Cheek	0.646	0.242	0.680	0.204	0.888	0.850	N/A
		Right Tilt	0.821	0.262	0.926	0.243	1.083	1.064	N/A
	Body-worn	Front	0.121	0.087	0.062	0.026	0.208	0.147	N/A
		Back	0.161	0.182	0.082	0.036	0.343	0.197	N/A
	Hotspot	Front	0.091	0.157	0.114	0.051	0.248	0.142	N/A
		Back	0.124	0.271	0.136	0.059	0.395	0.183	N/A
		Left	0.070	0.000	0.104	0	0.070	0.070	N/A
		Right	0.013	0.119	0.000	0.02	0.132	0.033	N/A
		Top	0.375	0.760	0.371	0.116	1.135	0.491	N/A
		Bottom	0.000	0.000	0.000	0	0.000	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+④	Case NO.
LTE B41	Head	Left Cheek	0.072	0.286	0.460	0.317	0.358	0.389	N/A
		Left Tilt	0.084	0.476	0.613	0.385	0.560	0.469	N/A
		Right Cheek	0.107	0.242	0.680	0.204	0.349	0.311	N/A
		Right Tilt	0.078	0.262	0.926	0.243	0.340	0.321	N/A
	Body-worn	Front	0.267	0.087	0.062	0.026	0.354	0.293	N/A
		Back	0.402	0.182	0.082	0.036	0.584	0.438	N/A
	Hotspot	Front	0.402	0.157	0.114	0.051	0.559	0.453	N/A
		Back	0.491	0.271	0.136	0.059	0.762	0.550	N/A
		Left	0.137	0.000	0.104	0	0.137	0.137	N/A
		Right	0.262	0.119	0.000	0.02	0.381	0.282	N/A
		Top	0.000	0.760	0.371	0.116	0.760	0.116	N/A
		Bottom	0.868	0.000	0.000	0	0.868	0.868	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	④ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR①+ ④	Case NO.
	Head	Left Cheek	0.500	0.286	0.460	0.317	0.786	0.817	N/A
		Left Tilt	0.611	0.476	0.613	0.385	1.087	0.996	N/A
		Right Cheek	0.947	0.242	0.680	0.204	1.189	1.151	N/A
		Right Tilt	0.974	0.262	0.926	0.243	1.236	1.217	N/A
	Body-worn	Front	0.136	0.087	0.062	0.026	0.223	0.162	N/A
		Back	0.179	0.182	0.082	0.036	0.361	0.215	N/A
	Hotspot	Front	0.127	0.157	0.114	0.051	0.284	0.178	N/A
		Back	0.164	0.271	0.136	0.059	0.435	0.223	N/A
		Left	0.090	0.000	0.104	0	0.090	0.090	N/A
		Right	0.020	0.119	0.000	0.02	0.139	0.040	N/A
		Top	0.439	0.760	0.371	0.116	1.199	0.555	N/A
		Bottom	0.000	0.000	0.000	0	0.000	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+③	Σ1-g SAR ①+④	Σ1-g SAR ①+② +⑤	Σ1-g SAR ①+③ +⑤	Σ1-g SAR ①+④ +⑤	Case NO.
GSM 850	Head	Left Cheek	0.256	0.613	0.13	0.743	0.317	0.869	0.386	0.999	1.186	0.703	1.316	N/A
		Left Tilt	0.165	0.331	0.152	0.483	0.385	0.496	0.317	0.648	0.881	0.702	1.033	N/A
		Right Cheek	0.376	0.296	0.353	0.649	0.204	0.672	0.729	1.025	0.876	0.933	1.229	N/A
		Right Tilt	0.149	0.305	0.255	0.56	0.243	0.454	0.404	0.709	0.697	0.647	0.952	N/A
	Body-worn	Front(voice)	0.325	0.08	0.009	0.089	0.026	0.405	0.334	0.414	0.431	0.36	0.44	N/A
		Back(voice)	0.479	0.037	0.025	0.062	0.036	0.516	0.504	0.541	0.552	0.54	0.577	N/A
		Front(data)	0.269	0.08	0.009	0.089	0.026	0.349	0.278	0.358	0.375	0.304	0.384	N/A
		Back(data)	0.38	0.037	0.025	0.062	0.036	0.417	0.405	0.442	0.453	0.441	0.478	N/A
	Hotspot	Front	0.375	0.087	0.022	0.109	0.051	0.462	0.397	0.484	0.513	0.448	0.535	N/A
		Back	0.691	0.051	0.044	0.095	0.059	0.742	0.735	0.786	0.801	0.794	0.845	N/A
		Left	0.114	0.000	0.005	0.005	0	0.114	0.119	0.119	0.114	0.119	0.119	N/A
		Right	0.492	0.035	0.000	0.035	0.02	0.527	0.492	0.527	0.547	0.512	0.547	N/A
		Top	0	0.077	0.014	0.091	0.116	0.077	0.014	0.091	0.193	0.13	0.207	N/A
		Bottom	0.349	0.000	0.000	0	0	0.349	0.349	0.349	0.349	0.349	0.349	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+③	Σ1-g SAR ①+④	Σ1-g SAR ①+② +⑤	Σ1-g SAR ①+③ +⑤	Σ1-g SAR ①+④ +⑤	Case NO.
	Head	Left Cheek	0.181	0.613	0.130	0.743	0.317	0.794	0.311	0.924	1.111	0.628	1.241	N/A
		Left Tilt	0.601	0.331	0.152	0.483	0.385	0.932	0.753	1.084	1.317	1.138	1.469	N/A
		Right Cheek	0.687	0.296	0.353	0.649	0.204	0.983	1.040	1.336	1.187	1.244	1.540	N/A
		Right Tilt	0.618	0.305	0.255	0.56	0.243	0.923	0.873	1.178	1.166	1.116	1.421	N/A
	Body-worn	Front(voice)	0.118	0.08	0.009	0.089	0.026	0.198	0.127	0.207	0.224	0.153	0.233	N/A
		Back(voice)	0.116	0.037	0.025	0.062	0.036	0.153	0.141	0.178	0.189	0.177	0.214	N/A
		Front(data)	0.447	0.08	0.009	0.089	0.026	0.527	0.456	0.536	0.553	0.482	0.562	N/A
		Back(data)	0.420	0.037	0.025	0.062	0.036	0.457	0.445	0.482	0.493	0.481	0.518	N/A
	Hotspot	Front	0.381	0.087	0.022	0.109	0.051	0.468	0.403	0.490	0.519	0.454	0.541	N/A
		Back	0.425	0.051	0.044	0.095	0.059	0.476	0.469	0.520	0.535	0.528	0.579	N/A
		Left	0.171	0	0.005	0.005	0	0.171	0.176	0.176	0.171	0.176	0.176	N/A
		Right	0.036	0.035	0.000	0.035	0.02	0.071	0.036	0.071	0.091	0.056	0.091	N/A
		Top	0.304	0.077	0.014	0.091	0.116	0.381	0.318	0.395	0.497	0.434	0.511	N/A
		Bottom	0.000	0	0.000	0	0	0.000	0.000	0.000	0.000	0.000	0.000	N/A

WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+③	Σ1-g SAR ①+④	Σ1-g SAR ①+② +⑤	Σ1-g SAR ①+③ +⑤	Σ1-g SAR ①+④ +⑤	Case NO.
GSM 1900	Head	Left Cheek	0.15	0.613	0.130	0.743	0.317	0.763	0.280	0.893	1.08	0.597	1.210	N/A
		Left Tilt	0.031	0.331	0.152	0.483	0.385	0.362	0.183	0.514	0.747	0.568	0.899	N/A
		Right Cheek	0.064	0.296	0.353	0.649	0.204	0.36	0.417	0.713	0.564	0.621	0.917	N/A
		Right Tilt	0.042	0.305	0.255	0.56	0.243	0.347	0.297	0.602	0.59	0.540	0.845	N/A
	Body-worn	Front(voice)	0.271	0.08	0.009	0.089	0.026	0.351	0.280	0.360	0.377	0.306	0.386	N/A
		Back(voice)	0.28	0.037	0.025	0.062	0.036	0.317	0.305	0.342	0.353	0.341	0.378	N/A
		Front(data)	0.304	0.08	0.009	0.089	0.026	0.384	0.313	0.393	0.41	0.339	0.419	N/A
		Back(data)	0.511	0.037	0.025	0.062	0.036	0.548	0.536	0.573	0.584	0.572	0.609	N/A
	Hotspot	Front	0.222	0.087	0.022	0.109	0.051	0.309	0.244	0.331	0.36	0.295	0.382	N/A
		Back	0.242	0.051	0.044	0.095	0.059	0.293	0.286	0.337	0.352	0.345	0.396	N/A
		Left	0.067	0	0.005	0.005	0	0.067	0.072	0.072	0.067	0.072	0.072	N/A
		Right	0.021	0.035	0.000	0.035	0.02	0.056	0.021	0.056	0.076	0.041	0.076	N/A
		Top	0	0.077	0.014	0.091	0.116	0.077	0.014	0.091	0.193	0.130	0.207	N/A
		Bottom	0.667	0	0.000	0	0	0.667	0.667	0.667	0.667	0.667	0.667	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+③	Σ1-g SAR ①+④	Σ1-g SAR ①+② +⑤	Σ1-g SAR ①+③ +⑤	Σ1-g SAR ①+④ +⑤	Case NO.
	Head	Left Cheek	0.334	0.613	0.130	0.743	0.317	0.947	0.464	1.077	1.264	0.781	1.394	N/A
		Left Tilt	0.438	0.331	0.152	0.483	0.385	0.769	0.590	0.921	1.154	0.975	1.306	N/A
		Right Cheek	0.735	0.296	0.353	0.649	0.204	1.031	1.088	1.384	1.235	1.292	1.588	N/A
		Right Tilt	0.529	0.305	0.255	0.56	0.243	0.834	0.784	1.089	1.077	1.027	1.332	N/A
	Body-worn	Front(voice)	0.067	0.08	0.009	0.089	0.026	0.147	0.076	0.156	0.173	0.102	0.182	N/A
		Back(voice)	0.071	0.037	0.025	0.062	0.036	0.108	0.096	0.133	0.144	0.132	0.169	N/A
		Front(data)	0.248	0.08	0.009	0.089	0.026	0.328	0.257	0.337	0.354	0.283	0.363	N/A
		Back(data)	0.339	0.037	0.025	0.062	0.036	0.376	0.364	0.401	0.412	0.400	0.437	N/A
	Hotspot	Front	0.203	0.087	0.022	0.109	0.051	0.290	0.225	0.312	0.341	0.276	0.363	N/A
		Back	0.216	0.051	0.044	0.095	0.059	0.267	0.260	0.311	0.326	0.319	0.370	N/A
		Left	0.230	0	0.005	0.005	0	0.230	0.235	0.235	0.230	0.235	0.235	N/A
		Right	0.045	0.035	0.000	0.035	0.02	0.080	0.045	0.080	0.100	0.065	0.100	N/A
		Top	0.336	0.077	0.014	0.091	0.116	0.413	0.350	0.427	0.529	0.466	0.543	N/A
		Bottom	0.000	0	0.000	0	0	0.000	0.000	0.000	0.000	0.000	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+③	Σ1-g SAR ①+④	Σ1-g SAR ①+② +⑤	Σ1-g SAR ①+③ +⑤	Σ1-g SAR ①+④ +⑤	Case NO.
WCDMA B2	Head	Left Cheek	0.255	0.613	0.130	0.743	0.317	0.868	0.385	0.998	1.185	0.702	1.315	N/A
		Left Tilt	0.058	0.331	0.152	0.483	0.385	0.389	0.21	0.541	0.774	0.595	0.926	N/A
		Right Cheek	0.124	0.296	0.353	0.649	0.204	0.42	0.477	0.773	0.624	0.681	0.977	N/A
		Right Tilt	0.084	0.305	0.255	0.56	0.243	0.389	0.339	0.644	0.632	0.582	0.887	N/A
	Body-worn	Front	0.522	0.08	0.009	0.089	0.026	0.602	0.531	0.611	0.628	0.557	0.637	N/A
		Back	0.723	0.037	0.025	0.062	0.036	0.76	0.748	0.785	0.796	0.784	0.821	N/A
	Hotspot	Front	0.296	0.087	0.022	0.109	0.051	0.383	0.318	0.405	0.434	0.369	0.456	N/A
		Back	0.31	0.051	0.044	0.095	0.059	0.361	0.354	0.405	0.42	0.413	0.464	N/A
		Left	0.091	0.000	0.005	0.005	0	0.091	0.096	0.096	0.091	0.096	0.096	N/A
		Right	0.026	0.035	0.000	0.035	0.02	0.061	0.026	0.061	0.081	0.046	0.081	N/A
		Top	0	0.077	0.014	0.091	0.116	0.077	0.014	0.091	0.193	0.13	0.207	N/A
		Bottom	0.699	0.000	0.000	0	0	0.699	0.699	0.699	0.699	0.699	0.699	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+③	Σ1-g SAR ①+④	Σ1-g SAR ①+② +⑤	Σ1-g SAR ①+③ +⑤	Σ1-g SAR ①+④ +⑤	Case NO.
	Head	Left Cheek	0.427	0.613	0.130	0.743	0.317	1.040	0.557	1.170	1.357	0.874	1.487	N/A
		Left Tilt	0.514	0.331	0.152	0.483	0.385	0.845	0.666	0.997	1.230	1.051	1.382	N/A
		Right Cheek	0.667	0.296	0.353	0.649	0.204	0.963	1.020	1.316	1.167	1.224	1.520	N/A
		Right Tilt	0.457	0.305	0.255	0.56	0.243	0.762	0.712	1.017	1.005	0.955	1.260	N/A
	Body-worn	Front	0.223	0.080	0.009	0.089	0.026	0.303	0.232	0.312	0.329	0.258	0.338	N/A
		Back	0.265	0.037	0.025	0.062	0.036	0.302	0.290	0.327	0.338	0.326	0.363	N/A
	Hotspot	Front	0.143	0.087	0.022	0.109	0.051	0.230	0.165	0.252	0.281	0.216	0.303	N/A
		Back	0.186	0.051	0.044	0.095	0.059	0.237	0.230	0.281	0.296	0.289	0.340	N/A
		Left	0.203	0.000	0.005	0.005	0	0.203	0.208	0.208	0.203	0.208	0.208	N/A
		Right	0.038	0.035	0.000	0.035	0.02	0.073	0.038	0.073	0.093	0.058	0.093	N/A
		Top	0.296	0.077	0.014	0.091	0.116	0.373	0.310	0.387	0.489	0.426	0.503	N/A
		Bottom	0.000	0.000	0.000	0	0	0.000	0.000	0.000	0.000	0.000	0.000	N/A

WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+③	Σ1-g SAR ①+④	Σ1-g SAR ①+② +⑤	Σ1-g SAR ①+③ +⑤	Σ1-g SAR ①+④ +⑤	Case NO.
WCDMA B4	Head	Left Cheek	0.144	0.613	0.130	0.743	0.317	0.757	0.274	0.887	1.074	0.591	1.204	N/A
		Left Tilt	0.04	0.331	0.152	0.483	0.385	0.371	0.192	0.523	0.756	0.577	0.908	N/A
		Right Cheek	0.102	0.296	0.353	0.649	0.204	0.398	0.455	0.751	0.602	0.659	0.955	N/A
		Right Tilt	0.069	0.305	0.255	0.56	0.243	0.374	0.324	0.629	0.617	0.567	0.872	N/A
	Body-worn	Front	0.537	0.080	0.009	0.089	0.026	0.617	0.546	0.626	0.643	0.572	0.652	N/A
		Back	0.383	0.037	0.025	0.062	0.036	0.420	0.408	0.445	0.456	0.444	0.481	N/A
	Hotspot	Front	0.335	0.087	0.022	0.109	0.051	0.422	0.357	0.444	0.473	0.408	0.495	N/A
		Back	0.292	0.051	0.044	0.095	0.059	0.343	0.336	0.387	0.402	0.395	0.446	N/A
		Left	0.073	0.000	0.005	0.005	0	0.073	0.078	0.078	0.073	0.078	0.078	N/A
		Right	0.024	0.035	0.000	0.035	0.02	0.059	0.024	0.059	0.079	0.044	0.079	N/A
		Top	0	0.077	0.014	0.091	0.116	0.077	0.014	0.091	0.193	0.13	0.207	N/A
		Bottom	0.811	0.000	0.000	0	0	0.811	0.811	0.811	0.811	0.811	0.811	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+③	Σ1-g SAR ①+④	Σ1-g SAR ①+② +⑤	Σ1-g SAR ①+③ +⑤	Σ1-g SAR ①+④ +⑤	Case NO.
	Head	Left Cheek	0.310	0.613	0.130	0.743	0.317	0.923	0.440	1.053	1.240	0.757	1.370	N/A
		Left Tilt	0.433	0.331	0.152	0.483	0.385	0.764	0.585	0.916	1.149	0.970	1.301	N/A
		Right Cheek	0.567	0.296	0.353	0.649	0.204	0.863	0.920	1.216	1.067	1.124	1.420	N/A
		Right Tilt	0.461	0.305	0.255	0.56	0.243	0.766	0.716	1.021	1.009	0.959	1.264	N/A
	Body-worn	Front	0.147	0.080	0.009	0.089	0.026	0.227	0.156	0.236	0.253	0.182	0.262	N/A
		Back	0.190	0.037	0.025	0.062	0.036	0.227	0.215	0.252	0.263	0.251	0.288	N/A
	Hotspot	Front	0.112	0.087	0.022	0.109	0.051	0.199	0.134	0.221	0.250	0.185	0.272	N/A
		Back	0.142	0.051	0.044	0.095	0.059	0.193	0.186	0.237	0.252	0.245	0.296	N/A
		Left	0.125	0.000	0.005	0.005	0	0.125	0.130	0.130	0.125	0.130	0.130	N/A
		Right	0.011	0.035	0.000	0.035	0.02	0.046	0.011	0.046	0.066	0.031	0.066	N/A
		Top	0.196	0.077	0.014	0.091	0.116	0.273	0.210	0.287	0.389	0.326	0.403	N/A
		Bottom	0.000	0.000	0.000	0	0	0.000	0.000	0.000	0.000	0.000	0.000	N/A

WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+③	Σ1-g SAR ①+④	Σ1-g SAR ①+② +⑤	Σ1-g SAR ①+③ +⑤	Σ1-g SAR ①+④ +⑤	Case NO.
WCDMA B5	Head	Left Cheek	0.188	0.613	0.130	0.743	0.317	0.801	0.318	0.931	1.118	0.635	1.248	N/A
		Left Tilt	0.116	0.331	0.152	0.483	0.385	0.447	0.268	0.599	0.832	0.653	0.984	N/A
		Right Cheek	0.321	0.296	0.353	0.649	0.204	0.617	0.674	0.970	0.821	0.878	1.174	N/A
		Right Tilt	0.109	0.305	0.255	0.56	0.243	0.414	0.364	0.669	0.657	0.607	0.912	N/A
	Body-worn	Front	0.245	0.080	0.009	0.089	0.026	0.325	0.254	0.334	0.351	0.28	0.360	N/A
		Back	0.382	0.037	0.025	0.062	0.036	0.419	0.407	0.444	0.455	0.443	0.480	N/A
	Hotspot	Front	0.364	0.087	0.022	0.109	0.051	0.451	0.386	0.473	0.502	0.437	0.524	N/A
		Back	0.564	0.051	0.044	0.095	0.059	0.615	0.608	0.659	0.674	0.667	0.718	N/A
		Left	0.142	0.000	0.005	0.005	0	0.142	0.147	0.147	0.142	0.147	0.147	N/A
		Right	0.451	0.035	0.000	0.035	0.02	0.486	0.451	0.486	0.506	0.471	0.506	N/A
		Top	0	0.077	0.014	0.091	0.116	0.077	0.014	0.091	0.193	0.13	0.207	N/A
		Bottom	0.327	0.000	0.000	0	0	0.327	0.327	0.327	0.327	0.327	0.327	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+③	Σ1-g SAR ①+④	Σ1-g SAR ①+② +⑤	Σ1-g SAR ①+③ +⑤	Σ1-g SAR ①+④ +⑤	Case NO.
	Head	Left Cheek	0.211	0.613	0.130	0.743	0.317	0.824	0.341	0.954	1.141	0.658	1.271	N/A
		Left Tilt	0.612	0.331	0.152	0.483	0.385	0.943	0.764	1.095	1.328	1.149	1.480	N/A
		Right Cheek	0.660	0.296	0.353	0.649	0.204	0.956	1.013	1.309	1.160	1.217	1.513	N/A
		Right Tilt	0.577	0.305	0.255	0.56	0.243	0.882	0.832	1.137	1.125	1.075	1.380	N/A
	Body-worn	Front	0.332	0.080	0.009	0.089	0.026	0.412	0.341	0.421	0.438	0.367	0.447	N/A
		Back	0.289	0.037	0.025	0.062	0.036	0.326	0.314	0.351	0.362	0.350	0.387	N/A
	Hotspot	Front	0.276	0.087	0.022	0.109	0.051	0.363	0.298	0.385	0.414	0.349	0.436	N/A
		Back	0.251	0.051	0.044	0.095	0.059	0.302	0.295	0.346	0.361	0.354	0.405	N/A
		Left	0.116	0.000	0.005	0.005	0	0.116	0.121	0.121	0.116	0.121	0.121	N/A
		Right	0.022	0.035	0.000	0.035	0.02	0.057	0.022	0.057	0.077	0.042	0.077	N/A
		Top	0.193	0.077	0.014	0.091	0.116	0.270	0.207	0.284	0.386	0.323	0.400	N/A
		Bottom	0.000	0.000	0.000	0	0	0.000	0.000	0.000	0.000	0.000	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+③	Σ1-g SAR ①+④	Σ1-g SAR ①+② +⑤	Σ1-g SAR ①+③ +⑤	Σ1-g SAR ①+④ +⑤	Case NO.
LTE B2	Head	Left Cheek	0.199	0.613	0.130	0.743	0.317	0.812	0.329	0.942	1.129	0.646	1.259	N/A
		Left Tilt	0.066	0.331	0.152	0.483	0.385	0.397	0.218	0.549	0.782	0.603	0.934	N/A
		Right Cheek	0.118	0.296	0.353	0.649	0.204	0.414	0.471	0.767	0.618	0.675	0.971	N/A
		Right Tilt	0.095	0.305	0.255	0.56	0.243	0.400	0.35	0.655	0.643	0.593	0.898	N/A
	Body-worn	Front	0.608	0.080	0.009	0.089	0.026	0.688	0.617	0.697	0.714	0.643	0.723	N/A
		Back	0.46	0.037	0.025	0.062	0.036	0.497	0.485	0.522	0.533	0.521	0.558	N/A
	Hotspot	Front	0.293	0.087	0.022	0.109	0.051	0.380	0.315	0.402	0.431	0.366	0.453	N/A
		Back	0.307	0.051	0.044	0.095	0.059	0.358	0.351	0.402	0.417	0.41	0.461	N/A
		Left	0.091	0.000	0.005	0.005	0	0.091	0.096	0.096	0.091	0.096	0.096	N/A
		Right	0.024	0.035	0.000	0.035	0.02	0.059	0.024	0.059	0.079	0.044	0.079	N/A
		Top	0	0.077	0.014	0.091	0.116	0.077	0.014	0.091	0.193	0.13	0.207	N/A
		Bottom	0.743	0.000	0.000	0	0	0.743	0.743	0.743	0.743	0.743	0.743	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+③	Σ1-g SAR ①+④	Σ1-g SAR ①+② +⑤	Σ1-g SAR ①+③ +⑤	Σ1-g SAR ①+④ +⑤	Case NO.
	Head	Left Cheek	0.343	0.613	0.130	0.743	0.317	0.956	0.473	1.086	1.273	0.790	1.403	N/A
		Left Tilt	0.557	0.331	0.152	0.483	0.385	0.888	0.709	1.040	1.273	1.094	1.425	N/A
		Right Cheek	0.437	0.296	0.353	0.649	0.204	0.733	0.790	1.086	0.937	0.994	1.290	N/A
		Right Tilt	0.380	0.305	0.255	0.56	0.243	0.685	0.635	0.940	0.928	0.878	1.183	N/A
	Body-worn	Front	0.203	0.080	0.009	0.089	0.026	0.283	0.212	0.292	0.309	0.238	0.318	N/A
		Back	0.285	0.037	0.025	0.062	0.036	0.322	0.310	0.347	0.358	0.346	0.383	N/A
	Hotspot	Front	0.163	0.087	0.022	0.109	0.051	0.250	0.185	0.272	0.301	0.236	0.323	N/A
		Back	0.202	0.051	0.044	0.095	0.059	0.253	0.246	0.297	0.312	0.305	0.356	N/A
		Left	0.192	0.000	0.005	0.005	0	0.192	0.197	0.197	0.192	0.197	0.197	N/A
		Right	0.033	0.035	0.000	0.035	0.02	0.068	0.033	0.068	0.088	0.053	0.088	N/A
		Top	0.310	0.077	0.014	0.091	0.116	0.387	0.324	0.401	0.503	0.440	0.517	N/A
		Bottom	0.000	0.000	0.000	0	0	0.000	0.000	0.000	0.000	0.000	0.000	N/A

WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+③	Σ1-g SAR ①+④	Σ1-g SAR ①+② +⑤	Σ1-g SAR ①+③ +⑤	Σ1-g SAR ①+④ +⑤	Case NO.
LTE B4	Head	Left Cheek	0.128	0.613	0.130	0.743	0.317	0.741	0.258	0.871	1.058	0.575	1.188	N/A
		Left Tilt	0.057	0.331	0.152	0.483	0.385	0.388	0.209	0.540	0.773	0.594	0.925	N/A
		Right Cheek	0.067	0.296	0.353	0.649	0.204	0.363	0.42	0.716	0.567	0.624	0.920	N/A
		Right Tilt	0.049	0.305	0.255	0.56	0.243	0.354	0.304	0.609	0.597	0.547	0.852	N/A
	Body-worn	Front	0.426	0.080	0.009	0.089	0.026	0.506	0.435	0.515	0.532	0.461	0.541	N/A
		Back	0.278	0.037	0.025	0.062	0.036	0.315	0.303	0.340	0.351	0.339	0.376	N/A
	Hotspot	Front	0.248	0.087	0.022	0.109	0.051	0.335	0.27	0.357	0.386	0.321	0.408	N/A
		Back	0.222	0.051	0.044	0.095	0.059	0.273	0.266	0.317	0.332	0.325	0.376	N/A
		Left	0.05	0.000	0.005	0.005	0	0.050	0.055	0.055	0.050	0.055	0.055	N/A
		Right	0.017	0.035	0.000	0.035	0.02	0.052	0.017	0.052	0.072	0.037	0.072	N/A
		Top	0	0.077	0.014	0.091	0.116	0.077	0.014	0.091	0.193	0.13	0.207	N/A
		Bottom	0.706	0.000	0.000	0	0	0.706	0.706	0.706	0.706	0.706	0.706	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+③	Σ1-g SAR ①+④	Σ1-g SAR ①+② +⑤	Σ1-g SAR ①+③ +⑤	Σ1-g SAR ①+④ +⑤	Case NO.
	Head	Left Cheek	0.316	0.613	0.130	0.743	0.317	0.929	0.446	1.059	1.246	0.763	1.376	N/A
		Left Tilt	0.478	0.331	0.152	0.483	0.385	0.809	0.630	0.961	1.194	1.015	1.346	N/A
		Right Cheek	0.364	0.296	0.353	0.649	0.204	0.660	0.717	1.013	0.864	0.921	1.217	N/A
		Right Tilt	0.319	0.305	0.255	0.56	0.243	0.624	0.574	0.879	0.867	0.817	1.122	N/A
	Body-worn	Front	0.117	0.080	0.009	0.089	0.026	0.197	0.126	0.206	0.223	0.152	0.232	N/A
		Back	0.180	0.037	0.025	0.062	0.036	0.217	0.205	0.242	0.253	0.241	0.278	N/A
	Hotspot	Front	0.075	0.087	0.022	0.109	0.051	0.162	0.097	0.184	0.213	0.148	0.235	N/A
		Back	0.110	0.051	0.044	0.095	0.059	0.161	0.154	0.205	0.220	0.213	0.264	N/A
		Left	0.104	0.000	0.005	0.005	0	0.104	0.109	0.109	0.104	0.109	0.109	N/A
		Right	0.007	0.035	0.000	0.035	0.02	0.042	0.007	0.042	0.062	0.027	0.062	N/A
		Top	0.158	0.077	0.014	0.091	0.116	0.235	0.172	0.249	0.351	0.288	0.365	N/A
		Bottom	0.000	0.000	0.000	0	0	0.000	0.000	0.000	0.000	0.000	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+③	Σ1-g SAR ①+④	Σ1-g SAR ①+② +⑤	Σ1-g SAR ①+③ +⑤	Σ1-g SAR ①+④ +⑤	Case NO.
LTE B5	Head	Left Cheek	0.138	0.613	0.130	0.743	0.317	0.751	0.268	0.881	1.068	0.585	1.198	N/A
		Left Tilt	0.104	0.331	0.152	0.483	0.385	0.435	0.256	0.587	0.820	0.641	0.972	N/A
		Right Cheek	0.278	0.296	0.353	0.649	0.204	0.574	0.631	0.927	0.778	0.835	1.131	N/A
		Right Tilt	0.091	0.305	0.255	0.56	0.243	0.396	0.346	0.651	0.639	0.589	0.894	N/A
	Body-worn	Front	0.25	0.080	0.009	0.089	0.026	0.330	0.259	0.339	0.356	0.285	0.365	N/A
		Back	0.363	0.037	0.025	0.062	0.036	0.400	0.388	0.425	0.436	0.424	0.461	N/A
	Hotspot	Front	0.364	0.087	0.022	0.109	0.051	0.451	0.386	0.473	0.502	0.437	0.524	N/A
		Back	0.549	0.051	0.044	0.095	0.059	0.600	0.593	0.644	0.659	0.652	0.703	N/A
		Left	0.137	0.000	0.005	0.005	0	0.137	0.142	0.142	0.137	0.142	0.142	N/A
		Right	0.397	0.035	0.000	0.035	0.02	0.432	0.397	0.432	0.452	0.417	0.452	N/A
		Top	0	0.077	0.014	0.091	0.116	0.077	0.014	0.091	0.193	0.13	0.207	N/A
		Bottom	0.276	0.000	0.000	0	0	0.276	0.276	0.276	0.276	0.276	0.276	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+③	Σ1-g SAR ①+④	Σ1-g SAR ①+② +⑤	Σ1-g SAR ①+③ +⑤	Σ1-g SAR ①+④ +⑤	Case NO.
	Head	Left Cheek	0.202	0.613	0.130	0.743	0.317	0.815	0.332	0.945	1.132	0.649	1.262	N/A
		Left Tilt	0.542	0.331	0.152	0.483	0.385	0.873	0.694	1.025	1.258	1.079	1.410	N/A
		Right Cheek	0.706	0.296	0.353	0.649	0.204	1.002	1.059	1.355	1.206	1.263	1.559	N/A
		Right Tilt	0.601	0.305	0.255	0.56	0.243	0.906	0.856	1.161	1.149	1.099	1.404	N/A
	Body-worn	Front	0.317	0.080	0.009	0.089	0.026	0.397	0.326	0.406	0.423	0.352	0.432	N/A
		Back	0.263	0.037	0.025	0.062	0.036	0.300	0.288	0.325	0.336	0.324	0.361	N/A
	Hotspot	Front	0.283	0.087	0.022	0.109	0.051	0.370	0.305	0.392	0.421	0.356	0.443	N/A
		Back	0.294	0.051	0.044	0.095	0.059	0.345	0.338	0.389	0.404	0.397	0.448	N/A
		Left	0.114	0.000	0.005	0.005	0	0.114	0.119	0.119	0.114	0.119	0.119	N/A
		Right	0.026	0.035	0.000	0.035	0.02	0.061	0.026	0.061	0.081	0.046	0.081	N/A
		Top	0.194	0.077	0.014	0.091	0.116	0.271	0.208	0.285	0.387	0.324	0.401	N/A
		Bottom	0.000	0.000	0.000	0	0	0.000	0.000	0.000	0.000	0.000	0.000	N/A

WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+③	Σ1-g SAR ①+④	Σ1-g SAR ①+② +⑤	Σ1-g SAR ①+③ +⑤	Σ1-g SAR ①+④ +⑤	Case NO.
LTE B7	Head	Left Cheek	0.068	0.613	0.130	0.743	0.317	0.681	0.198	0.811	0.998	0.515	1.128	N/A
		Left Tilt	0.124	0.331	0.152	0.483	0.385	0.455	0.276	0.607	0.840	0.661	0.992	N/A
		Right Cheek	0.105	0.296	0.353	0.649	0.204	0.401	0.458	0.754	0.605	0.662	0.958	N/A
		Right Tilt	0.096	0.305	0.255	0.56	0.243	0.401	0.351	0.656	0.644	0.594	0.899	N/A
	Body-worn	Front	0.418	0.080	0.009	0.089	0.026	0.498	0.427	0.507	0.524	0.453	0.533	N/A
		Back	0.365	0.037	0.025	0.062	0.036	0.402	0.39	0.427	0.438	0.426	0.463	N/A
	Hotspot	Front	0.386	0.087	0.022	0.109	0.051	0.473	0.408	0.495	0.524	0.459	0.546	N/A
		Back	0.49	0.051	0.044	0.095	0.059	0.541	0.534	0.585	0.600	0.593	0.644	N/A
		Left	0.151	0.000	0.005	0.005	0	0.151	0.156	0.156	0.151	0.156	0.156	N/A
		Right	0.309	0.035	0.000	0.035	0.02	0.344	0.309	0.344	0.364	0.329	0.364	N/A
		Top	0	0.077	0.014	0.091	0.116	0.077	0.014	0.091	0.193	0.13	0.207	N/A
		Bottom	0.921	0.000	0.000	0	0	0.921	0.921	0.921	0.921	0.921	0.921	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+③	Σ1-g SAR ①+④	Σ1-g SAR ①+② +⑤	Σ1-g SAR ①+③ +⑤	Σ1-g SAR ①+④ +⑤	Case NO.
	Head	Left Cheek	0.470	0.613	0.130	0.743	0.317	1.083	0.600	1.213	1.400	0.917	1.530	N/A
		Left Tilt	0.620	0.331	0.152	0.483	0.385	0.951	0.772	1.103	1.336	1.157	1.488	N/A
		Right Cheek	0.562	0.296	0.353	0.649	0.204	0.858	0.915	1.211	1.062	1.119	1.415	N/A
		Right Tilt	0.255	0.305	0.255	0.56	0.243	0.560	0.510	0.815	0.803	0.753	1.058	N/A
	Body-worn	Front	0.118	0.080	0.009	0.089	0.026	0.198	0.127	0.207	0.224	0.153	0.233	N/A
		Back	0.207	0.037	0.025	0.062	0.036	0.244	0.232	0.269	0.280	0.268	0.305	N/A
	Hotspot	Front	0.102	0.087	0.022	0.109	0.051	0.189	0.124	0.211	0.240	0.175	0.262	N/A
		Back	0.151	0.051	0.044	0.095	0.059	0.202	0.195	0.246	0.261	0.254	0.305	N/A
		Left	0.097	0.000	0.005	0.005	0	0.097	0.102	0.102	0.097	0.102	0.102	N/A
		Right	0.015	0.035	0.000	0.035	0.02	0.050	0.015	0.050	0.070	0.035	0.070	N/A
		Top	0.497	0.077	0.014	0.091	0.116	0.574	0.511	0.588	0.690	0.627	0.704	N/A
		Bottom	0.000	0.000	0.000	0	0	0.000	0.000	0.000	0.000	0.000	0.000	N/A

WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+③	Σ1-g SAR ①+④	Σ1-g SAR ①+② +⑤	Σ1-g SAR ①+③ +⑤	Σ1-g SAR ①+④ +⑤	Case NO.
LTE B12	Head	Left Cheek	0.125	0.613	0.130	0.743	0.317	0.738	0.255	0.868	1.055	0.572	1.185	N/A
		Left Tilt	0.104	0.331	0.152	0.483	0.385	0.435	0.256	0.587	0.820	0.641	0.972	N/A
		Right Cheek	0.194	0.296	0.353	0.649	0.204	0.490	0.547	0.843	0.694	0.751	1.047	N/A
		Right Tilt	0.1	0.305	0.255	0.56	0.243	0.405	0.355	0.660	0.648	0.598	0.903	N/A
	Body-worn	Front	0.25	0.080	0.009	0.089	0.026	0.330	0.259	0.339	0.356	0.285	0.365	N/A
		Back	0.33	0.037	0.025	0.062	0.036	0.367	0.355	0.392	0.403	0.391	0.428	N/A
	Hotspot	Front	0.345	0.087	0.022	0.109	0.051	0.432	0.367	0.454	0.483	0.418	0.505	N/A
		Back	0.423	0.051	0.044	0.095	0.059	0.474	0.467	0.518	0.533	0.526	0.577	N/A
		Left	0.401	0.000	0.005	0.005	0	0.401	0.406	0.406	0.401	0.406	0.406	N/A
		Right	0.442	0.035	0.000	0.035	0.02	0.477	0.442	0.477	0.497	0.462	0.497	N/A
		Top	0	0.077	0.014	0.091	0.116	0.077	0.014	0.091	0.193	0.13	0.207	N/A
		Bottom	0.223	0.000	0.000	0	0	0.223	0.223	0.223	0.223	0.223	0.223	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+③	Σ1-g SAR ①+④	Σ1-g SAR ①+② +⑤	Σ1-g SAR ①+③ +⑤	Σ1-g SAR ①+④ +⑤	Case NO.
	Head	Left Cheek	0.175	0.613	0.130	0.743	0.317	0.788	0.305	0.918	1.105	0.622	1.235	N/A
		Left Tilt	0.621	0.331	0.152	0.483	0.385	0.952	0.773	1.104	1.337	1.158	1.489	N/A
		Right Cheek	0.661	0.296	0.353	0.649	0.204	0.957	1.014	1.310	1.161	1.218	1.514	N/A
		Right Tilt	0.657	0.305	0.255	0.56	0.243	0.962	0.912	1.217	1.205	1.155	1.460	N/A
	Body-worn	Front	0.221	0.080	0.009	0.089	0.026	0.301	0.230	0.310	0.327	0.256	0.336	N/A
		Back	0.184	0.037	0.025	0.062	0.036	0.221	0.209	0.246	0.257	0.245	0.282	N/A
	Hotspot	Front	0.238	0.087	0.022	0.109	0.051	0.325	0.260	0.347	0.376	0.311	0.398	N/A
		Back	0.209	0.051	0.044	0.095	0.059	0.260	0.253	0.304	0.319	0.312	0.363	N/A
		Left	0.079	0.000	0.005	0.005	0	0.079	0.084	0.084	0.079	0.084	0.084	N/A
		Right	0.018	0.035	0.000	0.035	0.02	0.053	0.018	0.053	0.073	0.038	0.073	N/A
		Top	0.177	0.077	0.014	0.091	0.116	0.254	0.191	0.268	0.370	0.307	0.384	N/A
		Bottom	0.000	0.000	0.000	0	0	0.000	0.000	0.000	0.000	0.000	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+③	Σ1-g SAR ①+④	Σ1-g SAR ①+② +⑤	Σ1-g SAR ①+③ +⑤	Σ1-g SAR ①+④ +⑤	Case NO.
LTE B17	Head	Left Cheek	0.126	0.613	0.130	0.743	0.317	0.739	0.256	0.869	1.056	0.573	1.186	N/A
		Left Tilt	0.1	0.331	0.152	0.483	0.385	0.431	0.252	0.583	0.816	0.637	0.968	N/A
		Right Cheek	0.196	0.296	0.353	0.649	0.204	0.492	0.549	0.845	0.696	0.753	1.049	N/A
		Right Tilt	0.098	0.305	0.255	0.56	0.243	0.403	0.353	0.658	0.646	0.596	0.901	N/A
	Body-worn	Front	0.244	0.080	0.009	0.089	0.026	0.324	0.253	0.333	0.350	0.279	0.359	N/A
		Back	0.342	0.037	0.025	0.062	0.036	0.379	0.367	0.404	0.415	0.403	0.440	N/A
	Hotspot	Front	0.334	0.087	0.022	0.109	0.051	0.421	0.356	0.443	0.472	0.407	0.494	N/A
		Back	0.405	0.051	0.044	0.095	0.059	0.456	0.449	0.500	0.515	0.508	0.559	N/A
		Left	0.386	0.000	0.005	0.005	0	0.386	0.391	0.391	0.386	0.391	0.391	N/A
		Right	0.45	0.035	0.000	0.035	0.02	0.485	0.45	0.485	0.505	0.47	0.505	N/A
		Top	0	0.077	0.014	0.091	0.116	0.077	0.014	0.091	0.193	0.13	0.207	N/A
		Bottom	0.223	0.000	0.000	0	0	0.223	0.223	0.223	0.223	0.223	0.223	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+③	Σ1-g SAR ①+④	Σ1-g SAR ①+② +⑤	Σ1-g SAR ①+③ +⑤	Σ1-g SAR ①+④ +⑤	Case NO.
	Head	Left Cheek	0.136	0.613	0.130	0.743	0.317	0.749	0.266	0.879	1.066	0.583	1.196	N/A
		Left Tilt	0.499	0.331	0.152	0.483	0.385	0.830	0.651	0.982	1.215	1.036	1.367	N/A
		Right Cheek	0.176	0.296	0.353	0.649	0.204	0.472	0.529	0.825	0.676	0.733	1.029	N/A
		Right Tilt	0.637	0.305	0.255	0.56	0.243	0.942	0.892	1.197	1.185	1.135	1.440	N/A
	Body-worn	Front	0.209	0.080	0.009	0.089	0.026	0.289	0.218	0.298	0.315	0.244	0.324	N/A
		Back	0.172	0.037	0.025	0.062	0.036	0.209	0.197	0.234	0.245	0.233	0.270	N/A
	Hotspot	Front	0.228	0.087	0.022	0.109	0.051	0.315	0.250	0.337	0.366	0.301	0.388	N/A
		Back	0.208	0.051	0.044	0.095	0.059	0.259	0.252	0.303	0.318	0.311	0.362	N/A
		Left	0.080	0.000	0.005	0.005	0	0.080	0.085	0.085	0.080	0.085	0.085	N/A
		Right	0.018	0.035	0.000	0.035	0.02	0.053	0.018	0.053	0.073	0.038	0.073	N/A
		Top	0.179	0.077	0.014	0.091	0.116	0.256	0.193	0.270	0.372	0.309	0.386	N/A
		Bottom	0.000	0.000	0.000	0	0	0.000	0.000	0.000	0.000	0.000	0.000	N/A

WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+③	Σ1-g SAR ①+④	Σ1-g SAR ①+② +⑤	Σ1-g SAR ①+③ +⑤	Σ1-g SAR ①+④ +⑤	Case NO.
LTE B26	Head	Left Cheek	0.108	0.613	0.130	0.743	0.317	0.721	0.238	0.851	1.038	0.555	1.168	N/A
		Left Tilt	0.067	0.331	0.152	0.483	0.385	0.398	0.219	0.550	0.783	0.604	0.935	N/A
		Right Cheek	0.256	0.296	0.353	0.649	0.204	0.552	0.609	0.905	0.756	0.813	1.109	N/A
		Right Tilt	0.073	0.305	0.255	0.56	0.243	0.378	0.328	0.633	0.621	0.571	0.876	N/A
	Body-worn	Front	0.209	0.080	0.009	0.089	0.026	0.289	0.218	0.298	0.315	0.244	0.324	N/A
		Back	0.348	0.037	0.025	0.062	0.036	0.385	0.373	0.410	0.421	0.409	0.446	N/A
	Hotspot	Front	0.29	0.087	0.022	0.109	0.051	0.377	0.312	0.399	0.428	0.363	0.450	N/A
		Back	0.493	0.051	0.044	0.095	0.059	0.544	0.537	0.588	0.603	0.596	0.647	N/A
		Left	0.123	0.000	0.005	0.005	0	0.123	0.128	0.128	0.123	0.128	0.128	N/A
		Right	0.327	0.035	0.000	0.035	0.02	0.362	0.327	0.362	0.382	0.347	0.382	N/A
		Top	0	0.077	0.014	0.091	0.116	0.077	0.014	0.091	0.193	0.13	0.207	N/A
		Bottom	0.221	0.000	0.000	0	0	0.221	0.221	0.221	0.221	0.221	0.221	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+③	Σ1-g SAR ①+④	Σ1-g SAR ①+② +⑤	Σ1-g SAR ①+③ +⑤	Σ1-g SAR ①+④ +⑤	Case NO.
	Head	Left Cheek	0.158	0.613	0.130	0.743	0.317	0.771	0.288	0.901	1.088	0.605	1.218	N/A
		Left Tilt	0.461	0.331	0.152	0.483	0.385	0.792	0.613	0.944	1.177	0.998	1.329	N/A
		Right Cheek	0.668	0.296	0.353	0.649	0.204	0.964	1.021	1.317	1.168	1.225	1.521	N/A
		Right Tilt	0.541	0.305	0.255	0.56	0.243	0.846	0.796	1.101	1.089	1.039	1.344	N/A
	Body-worn	Front	0.250	0.080	0.009	0.089	0.026	0.330	0.259	0.339	0.356	0.285	0.365	N/A
		Back	0.288	0.037	0.025	0.062	0.036	0.325	0.313	0.350	0.361	0.349	0.386	N/A
	Hotspot	Front	0.269	0.087	0.022	0.109	0.051	0.356	0.291	0.378	0.407	0.342	0.429	N/A
		Back	0.255	0.051	0.044	0.095	0.059	0.306	0.299	0.350	0.365	0.358	0.409	N/A
		Left	0.110	0.000	0.005	0.005	0	0.110	0.115	0.115	0.110	0.115	0.115	N/A
		Right	0.029	0.035	0.000	0.035	0.02	0.064	0.029	0.064	0.084	0.049	0.084	N/A
		Top	0.200	0.077	0.014	0.091	0.116	0.277	0.214	0.291	0.393	0.330	0.407	N/A
		Bottom	0.000	0.000	0.000	0	0	0.000	0.000	0.000	0.000	0.000	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+③	Σ1-g SAR ①+④	Σ1-g SAR ①+② +⑤	Σ1-g SAR ①+③ +⑤	Σ1-g SAR ①+④ +⑤	Case NO.
LTE B38	Head	Left Cheek	0.07	0.613	0.130	0.743	0.317	0.683	0.2	0.813	1.000	0.517	1.130	N/A
		Left Tilt	0.082	0.331	0.152	0.483	0.385	0.413	0.234	0.565	0.798	0.619	0.950	N/A
		Right Cheek	0.106	0.296	0.353	0.649	0.204	0.402	0.459	0.755	0.606	0.663	0.959	N/A
		Right Tilt	0.077	0.305	0.255	0.56	0.243	0.382	0.332	0.637	0.625	0.575	0.880	N/A
	Body-worn	Front	0.359	0.080	0.009	0.089	0.026	0.439	0.368	0.448	0.465	0.394	0.474	N/A
		Back	0.376	0.037	0.025	0.062	0.036	0.413	0.401	0.438	0.449	0.437	0.474	N/A
	Hotspot	Front	0.358	0.087	0.022	0.109	0.051	0.445	0.38	0.467	0.496	0.431	0.518	N/A
		Back	0.379	0.051	0.044	0.095	0.059	0.430	0.423	0.474	0.489	0.482	0.533	N/A
		Left	0.153	0.000	0.005	0.005	0	0.153	0.158	0.158	0.153	0.158	0.158	N/A
		Right	0.262	0.035	0.000	0.035	0.02	0.297	0.262	0.297	0.317	0.282	0.317	N/A
		Top	0	0.077	0.014	0.091	0.116	0.077	0.014	0.091	0.193	0.13	0.207	N/A
		Bottom	0.72	0.000	0.000	0	0	0.720	0.72	0.720	0.720	0.72	0.720	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+③	Σ1-g SAR ①+④	Σ1-g SAR ①+② +⑤	Σ1-g SAR ①+③ +⑤	Σ1-g SAR ①+④ +⑤	Case NO.
	Head	Left Cheek	0.481	0.613	0.130	0.743	0.317	1.094	0.611	1.224	1.411	0.928	1.541	N/A
		Left Tilt	0.599	0.331	0.152	0.483	0.385	0.930	0.751	1.082	1.315	1.136	1.467	N/A
		Right Cheek	0.646	0.296	0.353	0.649	0.204	0.942	0.999	1.295	1.146	1.203	1.499	N/A
		Right Tilt	0.234	0.305	0.255	0.56	0.243	0.539	0.489	0.794	0.782	0.732	1.037	N/A
	Body-worn	Front	0.121	0.080	0.009	0.089	0.026	0.201	0.130	0.210	0.227	0.156	0.236	N/A
		Back	0.161	0.037	0.025	0.062	0.036	0.198	0.186	0.223	0.234	0.222	0.259	N/A
	Hotspot	Front	0.091	0.087	0.022	0.109	0.051	0.178	0.113	0.200	0.229	0.164	0.251	N/A
		Back	0.124	0.051	0.044	0.095	0.059	0.175	0.168	0.219	0.234	0.227	0.278	N/A
		Left	0.070	0.000	0.005	0.005	0	0.070	0.075	0.075	0.070	0.075	0.075	N/A
		Right	0.013	0.035	0.000	0.035	0.02	0.048	0.013	0.048	0.068	0.033	0.068	N/A
		Top	0.375	0.077	0.014	0.091	0.116	0.452	0.389	0.466	0.568	0.505	0.582	N/A
		Bottom	0.000	0.000	0.000	0	0	0.000	0.000	0.000	0.000	0.000	0.000	N/A

WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+③	Σ1-g SAR ①+④	Σ1-g SAR ①+② +⑤	Σ1-g SAR ①+③ +⑤	Σ1-g SAR ①+④ +⑤	Case NO.
LTE B41	Head	Left Cheek	0.072	0.613	0.130	0.743	0.317	0.685	0.202	0.815	1.002	0.519	1.132	N/A
		Left Tilt	0.084	0.331	0.152	0.483	0.385	0.415	0.236	0.567	0.800	0.621	0.952	N/A
		Right Cheek	0.107	0.296	0.353	0.649	0.204	0.403	0.46	0.756	0.607	0.664	0.960	N/A
		Right Tilt	0.078	0.305	0.255	0.56	0.243	0.383	0.333	0.638	0.626	0.576	0.881	N/A
	Body-worn	Front	0.267	0.080	0.009	0.089	0.026	0.347	0.276	0.356	0.373	0.302	0.382	N/A
		Back	0.402	0.037	0.025	0.062	0.036	0.439	0.427	0.464	0.475	0.463	0.500	N/A
	Hotspot	Front	0.402	0.087	0.022	0.109	0.051	0.489	0.424	0.511	0.540	0.475	0.562	N/A
		Back	0.491	0.051	0.044	0.095	0.059	0.542	0.535	0.586	0.601	0.594	0.645	N/A
		Left	0.137	0.000	0.005	0.005	0	0.137	0.142	0.142	0.137	0.142	0.142	N/A
		Right	0.262	0.035	0.000	0.035	0.02	0.297	0.262	0.297	0.317	0.282	0.317	N/A
		Top	0	0.077	0.014	0.091	0.116	0.077	0.014	0.091	0.193	0.13	0.207	N/A
		Bottom	0.868	0.000	0.000	0	0	0.868	0.868	0.868	0.868	0.868	0.868	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 5G WIFI1 SAR	③ 5G WIFI2 SAR	④ 5G MIMO SAR	⑤ BT SAR	Σ1-g SAR ①+②	Σ1-g SAR ①+③	Σ1-g SAR ①+④	Σ1-g SAR ①+② +⑤	Σ1-g SAR ①+③ +⑤	Σ1-g SAR ①+④ +⑤	Case NO.
	Head	Left Cheek	0.500	0.613	0.130	0.743	0.317	1.113	0.630	1.243	1.430	0.947	1.560	N/A
		Left Tilt	0.611	0.331	0.152	0.483	0.385	0.942	0.763	1.094	1.327	1.148	1.479	N/A
		Right Cheek	0.234	0.296	0.353	0.649	0.204	0.530	0.587	0.883	0.734	0.791	1.087	N/A
		Right Tilt	0.254	0.305	0.255	0.56	0.243	0.559	0.509	0.814	0.802	0.752	1.057	N/A
	Body-worn	Front	0.136	0.080	0.009	0.089	0.026	0.216	0.145	0.225	0.242	0.171	0.251	N/A
		Back	0.179	0.037	0.025	0.062	0.036	0.216	0.204	0.241	0.252	0.240	0.277	N/A
	Hotspot	Front	0.127	0.087	0.022	0.109	0.051	0.214	0.149	0.236	0.265	0.200	0.287	N/A
		Back	0.164	0.051	0.044	0.095	0.059	0.215	0.208	0.259	0.274	0.267	0.318	N/A
		Left	0.090	0.000	0.005	0.005	0	0.090	0.095	0.095	0.090	0.095	0.095	N/A
		Right	0.020	0.035	0.000	0.035	0.02	0.055	0.020	0.055	0.075	0.040	0.075	N/A
		Top	0.439	0.077	0.014	0.091	0.116	0.516	0.453	0.530	0.632	0.569	0.646	N/A
		Bottom	0.000	0.000	0.000	0	0	0.000	0.000	0.000	0.000	0.000	0.000	N/A

WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	Σ1-g SAR ①+②+③	Case NO.
GSM 850	Head	Left Cheek	0.256	0.286	0.13	0.672	N/A
		Left Tilt	0.165	0.476	0.152	0.793	N/A
		Right Cheek	0.376	0.242	0.353	0.971	N/A
		Right Tilt	0.149	0.262	0.255	0.666	N/A
	Body-worn	Front(voice)	0.325	0.087	0.009	0.421	N/A
		Back(voice)	0.479	0.182	0.025	0.686	N/A
		Front(data)	0.269	0.087	0.009	0.365	N/A
		Back(data)	0.38	0.182	0.025	0.587	N/A
	Hotspot	Front	0.375	0.157	0.022	0.554	N/A
		Back	0.691	0.271	0.044	1.006	N/A
		Left	0.114	0.000	0.005	0.119	N/A
		Right	0.492	0.119	0	0.611	N/A
		Top	0	0.760	0.014	0.774	N/A
		Bottom	0.349	0.000	0	0.349	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	Σ1-g SAR ①+②+③	Case NO.
	Head	Left Cheek	0.725	0.286	0.13	1.141	N/A
		Left Tilt	0.601	0.476	0.152	1.229	N/A
		Right Cheek	0.687	0.242	0.353	1.282	N/A
		Right Tilt	0.618	0.262	0.255	1.135	N/A
	Body-worn	Front(voice)	0.118	0.087	0.009	0.214	N/A
		Back(voice)	0.116	0.182	0.025	0.323	N/A
		Front(data)	0.447	0.087	0.009	0.543	N/A
		Back(data)	0.420	0.182	0.025	0.627	N/A
	Hotspot	Front	0.381	0.157	0.022	0.560	N/A
		Back	0.425	0.271	0.044	0.740	N/A
		Left	0.171	0.000	0.005	0.176	N/A
		Right	0.036	0.119	0	0.155	N/A
		Top	0.304	0.760	0.014	1.078	N/A
		Bottom	0.000	0.000	0	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	Σ 1-g SAR ①+②+③	Case NO.
GSM 1900	Head	Left Cheek	0.15	0.286	0.13	0.566	N/A
		Left Tilt	0.031	0.476	0.152	0.659	N/A
		Right Cheek	0.064	0.242	0.353	0.659	N/A
		Right Tilt	0.042	0.262	0.255	0.559	N/A
	Body-worn	Front(voice)	0.271	0.087	0.009	0.367	N/A
		Back(voice)	0.28	0.182	0.025	0.487	N/A
		Front(data)	0.304	0.087	0.009	0.400	N/A
		Back(data)	0.511	0.182	0.025	0.718	N/A
	Hotspot	Front	0.222	0.157	0.022	0.401	N/A
		Back	0.242	0.271	0.044	0.557	N/A
		Left	0.067	0.000	0.005	0.072	N/A
		Right	0.021	0.119	0	0.140	N/A
		Top	0	0.760	0.014	0.774	N/A
		Bottom	0.667	0.000	0	0.667	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	Σ 1-g SAR ①+②+③	Case NO.
	Head	Left Cheek	0.334	0.286	0.13	0.750	N/A
		Left Tilt	0.438	0.476	0.152	1.066	N/A
		Right Cheek	0.735	0.242	0.353	1.330	N/A
		Right Tilt	0.529	0.262	0.255	1.046	N/A
	Body-worn	Front(voice)	0.067	0.087	0.009	0.163	N/A
		Back(voice)	0.071	0.182	0.025	0.278	N/A
		Front(data)	0.248	0.087	0.009	0.344	N/A
		Back(data)	0.339	0.182	0.025	0.546	N/A
	Hotspot	Front	0.203	0.157	0.022	0.382	N/A
		Back	0.216	0.271	0.044	0.531	N/A
		Left	0.230	0.000	0.005	0.235	N/A
		Right	0.045	0.119	0	0.164	N/A
		Top	0.336	0.760	0.014	1.110	N/A
		Bottom	0.000	0.000	0	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	Σ1-g SAR ①+②+③	Case NO.
WCDMA B2	Head	Left Cheek	0.255	0.286	0.130	0.671	N/A
		Left Tilt	0.058	0.476	0.152	0.686	N/A
		Right Cheek	0.124	0.242	0.353	0.719	N/A
		Right Tilt	0.084	0.262	0.255	0.601	N/A
	Body-worn	Front	0.522	0.087	0.009	0.618	N/A
		Back	0.723	0.182	0.025	0.930	N/A
	Hotspot	Front	0.296	0.157	0.022	0.475	N/A
		Back	0.31	0.271	0.044	0.625	N/A
		Left	0.091	0.000	0.005	0.096	N/A
		Right	0.026	0.119	0.000	0.145	N/A
		Top	0	0.760	0.014	0.774	N/A
		Bottom	0.699	0.000	0.000	0.699	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	Σ1-g SAR ①+②+③	Case NO.
	Head	Left Cheek	0.427	0.286	0.130	0.843	N/A
		Left Tilt	0.514	0.476	0.152	1.142	N/A
		Right Cheek	0.667	0.242	0.353	1.262	N/A
		Right Tilt	0.457	0.262	0.255	0.974	N/A
	Body-worn	Front	0.223	0.087	0.009	0.319	N/A
		Back	0.265	0.182	0.025	0.472	N/A
	Hotspot	Front	0.143	0.157	0.022	0.322	N/A
		Back	0.186	0.271	0.044	0.501	N/A
		Left	0.203	0.000	0.005	0.208	N/A
		Right	0.038	0.119	0.000	0.157	N/A
		Top	0.296	0.760	0.014	1.070	N/A
		Bottom	0.000	0.000	0.000	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	Σ1-g SAR ①+②+③	Case NO.
WCDMA B4	Head	Left Cheek	0.144	0.286	0.130	0.560	N/A
		Left Tilt	0.04	0.476	0.152	0.668	N/A
		Right Cheek	0.102	0.242	0.353	0.697	N/A
		Right Tilt	0.069	0.262	0.255	0.586	N/A
	Body-worn	Front	0.537	0.087	0.009	0.633	N/A
		Back	0.383	0.182	0.025	0.590	N/A
	Hotspot	Front	0.335	0.157	0.022	0.514	N/A
		Back	0.292	0.271	0.044	0.607	N/A
		Left	0.073	0.000	0.005	0.078	N/A
		Right	0.024	0.119	0.000	0.143	N/A
		Top	0	0.760	0.014	0.774	N/A
		Bottom	0.811	0.000	0.000	0.811	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	Σ1-g SAR ①+②+③	Case NO.
	Head	Left Cheek	0.310	0.286	0.130	0.726	N/A
		Left Tilt	0.433	0.476	0.152	1.061	N/A
		Right Cheek	0.567	0.242	0.353	1.162	N/A
		Right Tilt	0.461	0.262	0.255	0.978	N/A
	Body-worn	Front	0.147	0.087	0.009	0.243	N/A
		Back	0.190	0.182	0.025	0.397	N/A
	Hotspot	Front	0.112	0.157	0.022	0.291	N/A
		Back	0.142	0.271	0.044	0.457	N/A
		Left	0.125	0.000	0.005	0.130	N/A
		Right	0.011	0.119	0.000	0.130	N/A
		Top	0.196	0.760	0.014	0.970	N/A
		Bottom	0.000	0.000	0.000	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	Σ 1-g SAR ①+②+③	Case NO.
WCDMA B5	Head	Left Cheek	0.188	0.286	0.130	0.604	N/A
		Left Tilt	0.116	0.476	0.152	0.744	N/A
		Right Cheek	0.321	0.242	0.353	0.916	N/A
		Right Tilt	0.109	0.262	0.255	0.626	N/A
	Body-worn	Front	0.245	0.087	0.009	0.341	N/A
		Back	0.382	0.182	0.025	0.589	N/A
	Hotspot	Front	0.364	0.157	0.022	0.543	N/A
		Back	0.564	0.271	0.044	0.879	N/A
		Left	0.142	0.000	0.005	0.147	N/A
		Right	0.451	0.119	0.000	0.570	N/A
		Top	0	0.760	0.014	0.774	N/A
		Bottom	0.327	0.000	0.000	0.327	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	Σ 1-g SAR ①+②+③	Case NO.
	Head	Left Cheek	0.786	0.286	0.130	1.202	N/A
		Left Tilt	0.612	0.476	0.152	1.240	N/A
		Right Cheek	0.660	0.242	0.353	1.255	N/A
		Right Tilt	0.577	0.262	0.255	1.094	N/A
	Body-worn	Front	0.332	0.087	0.009	0.428	N/A
		Back	0.289	0.182	0.025	0.496	N/A
	Hotspot	Front	0.276	0.157	0.022	0.455	N/A
		Back	0.251	0.271	0.044	0.566	N/A
		Left	0.116	0.000	0.005	0.121	N/A
		Right	0.022	0.119	0.000	0.141	N/A
		Top	0.193	0.760	0.014	0.967	N/A
		Bottom	0.000	0.000	0.000	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	Σ1-g SAR ①+②+③	Case NO.
LTE B2	Head	Left Cheek	0.199	0.286	0.130	0.615	N/A
		Left Tilt	0.066	0.476	0.152	0.694	N/A
		Right Cheek	0.118	0.242	0.353	0.713	N/A
		Right Tilt	0.095	0.262	0.255	0.612	N/A
	Body-worn	Front	0.608	0.087	0.009	0.704	N/A
		Back	0.46	0.182	0.025	0.667	N/A
	Hotspot	Front	0.293	0.157	0.022	0.472	N/A
		Back	0.307	0.271	0.044	0.622	N/A
		Left	0.091	0.000	0.005	0.096	N/A
		Right	0.024	0.119	0.000	0.143	N/A
		Top	0	0.760	0.014	0.774	N/A
		Bottom	0.743	0.000	0.000	0.743	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	Σ1-g SAR ①+②+③	Case NO.
	Head	Left Cheek	0.343	0.286	0.130	0.759	N/A
		Left Tilt	0.557	0.476	0.152	1.185	N/A
		Right Cheek	0.437	0.242	0.353	1.032	N/A
		Right Tilt	0.380	0.262	0.255	0.897	N/A
	Body-worn	Front	0.203	0.087	0.009	0.299	N/A
		Back	0.285	0.182	0.025	0.492	N/A
	Hotspot	Front	0.163	0.157	0.022	0.342	N/A
		Back	0.202	0.271	0.044	0.517	N/A
		Left	0.192	0.000	0.005	0.197	N/A
		Right	0.033	0.119	0.000	0.152	N/A
		Top	0.310	0.760	0.014	1.084	N/A
		Bottom	0.000	0.000	0.000	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	Σ 1-g SAR ①+②+③	Case NO.
LTE B4	Head	Left Cheek	0.128	0.286	0.130	0.544	N/A
		Left Tilt	0.057	0.476	0.152	0.685	N/A
		Right Cheek	0.067	0.242	0.353	0.662	N/A
		Right Tilt	0.049	0.262	0.255	0.566	N/A
	Body-worn	Front	0.426	0.087	0.009	0.522	N/A
		Back	0.278	0.182	0.025	0.485	N/A
	Hotspot	Front	0.248	0.157	0.022	0.427	N/A
		Back	0.222	0.271	0.044	0.537	N/A
		Left	0.05	0.000	0.005	0.055	N/A
		Right	0.017	0.119	0.000	0.136	N/A
		Top	0	0.760	0.014	0.774	N/A
		Bottom	0.706	0.000	0.000	0.706	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	Σ 1-g SAR ①+②+③	Case NO.
	Head	Left Cheek	0.316	0.286	0.130	0.732	N/A
		Left Tilt	0.478	0.476	0.152	1.106	N/A
		Right Cheek	0.364	0.242	0.353	0.959	N/A
		Right Tilt	0.319	0.262	0.255	0.836	N/A
	Body-worn	Front	0.117	0.087	0.009	0.213	N/A
		Back	0.180	0.182	0.025	0.387	N/A
	Hotspot	Front	0.075	0.157	0.022	0.254	N/A
		Back	0.110	0.271	0.044	0.425	N/A
		Left	0.104	0.000	0.005	0.109	N/A
		Right	0.007	0.119	0.000	0.126	N/A
		Top	0.158	0.760	0.014	0.932	N/A
		Bottom	0.000	0.000	0.000	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	Σ1-g SAR ①+②+③	Case NO.
LTE B5	Head	Left Cheek	0.138	0.286	0.130	0.554	N/A
		Left Tilt	0.104	0.476	0.152	0.732	N/A
		Right Cheek	0.278	0.242	0.353	0.873	N/A
		Right Tilt	0.091	0.262	0.255	0.608	N/A
	Body-worn	Front	0.25	0.087	0.009	0.346	N/A
		Back	0.363	0.182	0.025	0.570	N/A
	Hotspot	Front	0.364	0.157	0.022	0.543	N/A
		Back	0.549	0.271	0.044	0.864	N/A
		Left	0.137	0.000	0.005	0.142	N/A
		Right	0.397	0.119	0.000	0.516	N/A
		Top	0	0.760	0.014	0.774	N/A
		Bottom	0.276	0.000	0.000	0.276	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	Σ1-g SAR ①+②+③	Case NO.
	Head	Left Cheek	0.711	0.286	0.130	1.127	N/A
		Left Tilt	0.542	0.476	0.152	1.170	N/A
		Right Cheek	0.706	0.242	0.353	1.301	N/A
		Right Tilt	0.601	0.262	0.255	1.118	N/A
	Body-worn	Front	0.317	0.087	0.009	0.413	N/A
		Back	0.263	0.182	0.025	0.470	N/A
	Hotspot	Front	0.283	0.157	0.022	0.462	N/A
		Back	0.294	0.271	0.044	0.609	N/A
		Left	0.114	0.000	0.005	0.119	N/A
		Right	0.026	0.119	0.000	0.145	N/A
		Top	0.194	0.760	0.014	0.968	N/A
		Bottom	0.000	0.000	0.000	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	Σ1-g SAR ①+②+③	Case NO.
LTE B7	Head	Left Cheek	0.068	0.286	0.130	0.484	N/A
		Left Tilt	0.124	0.476	0.152	0.752	N/A
		Right Cheek	0.105	0.242	0.353	0.700	N/A
		Right Tilt	0.096	0.262	0.255	0.613	N/A
	Body-worn	Front	0.418	0.087	0.009	0.514	N/A
		Back	0.365	0.182	0.025	0.572	N/A
	Hotspot	Front	0.386	0.157	0.022	0.565	N/A
		Back	0.49	0.271	0.044	0.805	N/A
		Left	0.151	0.000	0.005	0.156	N/A
		Right	0.309	0.119	0.000	0.428	N/A
		Top	0	0.760	0.014	0.774	N/A
		Bottom	0.921	0.000	0.000	0.921	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	Σ1-g SAR ①+②+③	Case NO.
	Head	Left Cheek	0.470	0.286	0.130	0.886	N/A
		Left Tilt	0.620	0.476	0.152	1.248	N/A
		Right Cheek	0.562	0.242	0.353	1.157	N/A
		Right Tilt	0.985	0.262	0.255	1.502	N/A
	Body-worn	Front	0.118	0.087	0.009	0.214	N/A
		Back	0.207	0.182	0.025	0.414	N/A
	Hotspot	Front	0.102	0.157	0.022	0.281	N/A
		Back	0.151	0.271	0.044	0.466	N/A
		Left	0.097	0.000	0.005	0.102	N/A
		Right	0.015	0.119	0.000	0.134	N/A
		Top	0.497	0.760	0.014	1.271	N/A
		Bottom	0.000	0.000	0.000	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	Σ 1-g SAR ①+②+③	Case NO.
LTE B12	Head	Left Cheek	0.125	0.286	0.130	0.541	N/A
		Left Tilt	0.104	0.476	0.152	0.732	N/A
		Right Cheek	0.194	0.242	0.353	0.789	N/A
		Right Tilt	0.1	0.262	0.255	0.617	N/A
	Body-worn	Front	0.25	0.087	0.009	0.346	N/A
		Back	0.33	0.182	0.025	0.537	N/A
	Hotspot	Front	0.345	0.157	0.022	0.524	N/A
		Back	0.423	0.271	0.044	0.738	N/A
		Left	0.401	0.000	0.005	0.406	N/A
		Right	0.442	0.119	0.000	0.561	N/A
		Top	0	0.760	0.014	0.774	N/A
		Bottom	0.223	0.000	0.000	0.223	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	Σ 1-g SAR ①+②+③	Case NO.
	Head	Left Cheek	0.815	0.286	0.130	1.231	N/A
		Left Tilt	0.621	0.476	0.152	1.249	N/A
		Right Cheek	0.661	0.242	0.353	1.256	N/A
		Right Tilt	0.657	0.262	0.255	1.174	N/A
	Body-worn	Front	0.221	0.087	0.009	0.317	N/A
		Back	0.184	0.182	0.025	0.391	N/A
	Hotspot	Front	0.238	0.157	0.022	0.417	N/A
		Back	0.209	0.271	0.044	0.524	N/A
		Left	0.079	0.000	0.005	0.084	N/A
		Right	0.018	0.119	0.000	0.137	N/A
		Top	0.177	0.760	0.014	0.951	N/A
		Bottom	0.000	0.000	0.000	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	Σ1-g SAR ①+②+③	Case NO.
LTE B17	Head	Left Cheek	0.126	0.286	0.130	0.542	N/A
		Left Tilt	0.1	0.476	0.152	0.728	N/A
		Right Cheek	0.196	0.242	0.353	0.791	N/A
		Right Tilt	0.098	0.262	0.255	0.615	N/A
	Body-worn	Front	0.244	0.087	0.009	0.340	N/A
		Back	0.342	0.182	0.025	0.549	N/A
	Hotspot	Front	0.334	0.157	0.022	0.513	N/A
		Back	0.405	0.271	0.044	0.720	N/A
		Left	0.386	0.000	0.005	0.391	N/A
		Right	0.45	0.119	0.000	0.569	N/A
		Top	0	0.760	0.014	0.774	N/A
		Bottom	0.223	0.000	0.000	0.223	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	Σ1-g SAR ①+②+③	Case NO.
	Head	Left Cheek	0.612	0.286	0.130	1.028	N/A
		Left Tilt	0.499	0.476	0.152	1.127	N/A
		Right Cheek	0.739	0.242	0.353	1.334	N/A
		Right Tilt	0.637	0.262	0.255	1.154	N/A
	Body-worn	Front	0.209	0.087	0.009	0.305	N/A
		Back	0.172	0.182	0.025	0.379	N/A
	Hotspot	Front	0.228	0.157	0.022	0.407	N/A
		Back	0.208	0.271	0.044	0.523	N/A
		Left	0.080	0.000	0.005	0.085	N/A
		Right	0.018	0.119	0.000	0.137	N/A
		Top	0.179	0.760	0.014	0.953	N/A
		Bottom	0.000	0.000	0.000	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	Σ1-g SAR ①+②+③	Case NO.
LTE B26	Head	Left Cheek	0.108	0.286	0.130	0.524	N/A
		Left Tilt	0.067	0.476	0.152	0.695	N/A
		Right Cheek	0.256	0.242	0.353	0.851	N/A
		Right Tilt	0.073	0.262	0.255	0.590	N/A
	Body-worn	Front	0.209	0.087	0.009	0.305	N/A
		Back	0.348	0.182	0.025	0.555	N/A
	Hotspot	Front	0.29	0.157	0.022	0.469	N/A
		Back	0.493	0.271	0.044	0.808	N/A
		Left	0.123	0.000	0.005	0.128	N/A
		Right	0.327	0.119	0.000	0.446	N/A
		Top	0	0.760	0.014	0.774	N/A
		Bottom	0.221	0.000	0.000	0.221	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	Σ1-g SAR ①+②+③	Case NO.
	Head	Left Cheek	0.593	0.286	0.130	1.009	N/A
		Left Tilt	0.461	0.476	0.152	1.089	N/A
		Right Cheek	0.668	0.242	0.353	1.263	N/A
		Right Tilt	0.541	0.262	0.255	1.058	N/A
	Body-worn	Front	0.250	0.087	0.009	0.346	N/A
		Back	0.288	0.182	0.025	0.495	N/A
	Hotspot	Front	0.269	0.157	0.022	0.448	N/A
		Back	0.255	0.271	0.044	0.570	N/A
		Left	0.110	0.000	0.005	0.115	N/A
		Right	0.029	0.119	0.000	0.148	N/A
		Top	0.200	0.760	0.014	0.974	N/A
		Bottom	0.000	0.000	0.000	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	Σ1-g SAR ①+②+③	Case NO.
LTE B38	Head	Left Cheek	0.07	0.286	0.130	0.486	N/A
		Left Tilt	0.082	0.476	0.152	0.710	N/A
		Right Cheek	0.106	0.242	0.353	0.701	N/A
		Right Tilt	0.077	0.262	0.255	0.594	N/A
	Body-worn	Front	0.359	0.087	0.009	0.455	N/A
		Back	0.376	0.182	0.025	0.583	N/A
	Hotspot	Front	0.358	0.157	0.022	0.537	N/A
		Back	0.379	0.271	0.044	0.694	N/A
		Left	0.153	0.000	0.005	0.158	N/A
		Right	0.262	0.119	0.000	0.381	N/A
		Top	0	0.760	0.014	0.774	N/A
		Bottom	0.72	0.000	0.000	0.720	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	Σ1-g SAR ①+②+③	Case NO.
	Head	Left Cheek	0.481	0.286	0.130	0.897	N/A
		Left Tilt	0.599	0.476	0.152	1.227	N/A
		Right Cheek	0.646	0.242	0.353	1.241	N/A
		Right Tilt	0.821	0.262	0.255	1.338	N/A
	Body-worn	Front	0.121	0.087	0.009	0.217	N/A
		Back	0.161	0.182	0.025	0.368	N/A
	Hotspot	Front	0.091	0.157	0.022	0.270	N/A
		Back	0.124	0.271	0.044	0.439	N/A
		Left	0.070	0.000	0.005	0.075	N/A
		Right	0.013	0.119	0.000	0.132	N/A
		Top	0.375	0.760	0.014	1.149	N/A
		Bottom	0.000	0.000	0.000	0.000	N/A

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WWAN Band	Exposure position	Test position	① WWAN Ant.1 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	Σ 1-g SAR ①+②+③	Case NO.
LTE B41	Head	Left Cheek	0.072	0.286	0.130	0.488	N/A
		Left Tilt	0.084	0.476	0.152	0.712	N/A
		Right Cheek	0.107	0.242	0.353	0.702	N/A
		Right Tilt	0.078	0.262	0.255	0.595	N/A
	Body-worn	Front	0.267	0.087	0.009	0.363	N/A
		Back	0.402	0.182	0.025	0.609	N/A
	Hotspot	Front	0.402	0.157	0.022	0.581	N/A
		Back	0.491	0.271	0.044	0.806	N/A
		Left	0.137	0.000	0.005	0.142	N/A
		Right	0.262	0.119	0.000	0.381	N/A
		Top	0	0.760	0.014	0.774	N/A
		Bottom	0.868	0.000	0.000	0.868	N/A
	Exposure position	Test position	① WWAN Ant.2 SAR	② 2.4G WIFI1 SAR	③ 5G WIFI2 SAR	Σ 1-g SAR ①+②+③	Case NO.
	Head	Left Cheek	0.500	0.286	0.130	0.916	N/A
		Left Tilt	0.611	0.476	0.152	1.239	N/A
		Right Cheek	0.947	0.242	0.353	1.542	N/A
		Right Tilt	0.974	0.262	0.255	1.491	N/A
	Body-worn	Front	0.136	0.087	0.009	0.232	N/A
		Back	0.179	0.182	0.025	0.386	N/A
	Hotspot	Front	0.127	0.157	0.022	0.306	N/A
		Back	0.164	0.271	0.044	0.479	N/A
		Left	0.090	0.000	0.005	0.095	N/A
		Right	0.020	0.119	0.000	0.139	N/A
		Top	0.439	0.760	0.014	1.213	N/A
		Bottom	0.000	0.000	0.000	0.000	N/A

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CDD/MIMO Band	Exposure position	Test position	① 2.4G WIFI1 SAR	③ 2.4G WIFI2 SAR	Σ1-g SAR ①+②	Case NO.
2.4GHz Band	Head	Left Cheek	0.46	0.317	0.777	N/A
		Left Tilt	0.613	0.385	0.998	N/A
		Right Cheek	0.68	0.204	0.884	N/A
		Right Tilt	0.926	0.243	1.169	N/A
	Body-worn	Front(voice)	0.062	0.026	0.088	N/A
		Back(voice)	0.082	0.036	0.118	N/A
		Front(data)	0.114	0.051	0.165	N/A
		Back(data)	0.136	0.059	0.195	N/A
	Hotspot	Front	0.104	0	0.104	N/A
		Back	0	0.02	0.02	N/A
		Left	0.371	0.116	0.487	N/A
		Right	0	0	0	N/A
		Top	0.46	0.317	0.777	N/A
		Bottom	0.613	0.385	0.998	N/A

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9 Equipment list

Test Platform		SPEAG DASY5 Professional				
Description		SAR Test System (Frequency range 300MHz-6GHz)				
Software Reference		DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)				
Hardware Reference						
Equipment		Manufacturer	Model	Serial Number	Calibration Date	Due date of calibration
☒	Twin Phantom	SPEAG	SAM 1	TP-1283	NCR	NCR
☒	Twin Phantom	SPEAG	SAM 1	1912	NCR	NCR
☒	Twin Phantom	SPEAG	SAM 2	1913	NCR	NCR
☒	DAE	SPEAG	DAE4	896	2017-09-27	2018-09-26
☒	DAE	SPEAG	DAE4	1374	2017-08-31	2018-08-30
☒	E-Field Probe	SPEAG	EX3DV4	3789	2017-01-13	2018-01-12
☒	E-Field Probe	SPEAG	EX3DV4	3962	2018-01-11	2019-01-10
☒	E-Field Probe	SPEAG	EX3DV4	7433	2017-09-30	2017-09-29
☒	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
☒	Validation Kits	SPEAG	D5GHzV2	1165	2016-12-13	2019-12-12
☒	Agilent Network Analyzer	Agilent	E5071C	MY46523590	2017-03-06	2018-03-05
☒	Dielectric Probe Kit	Agilent	85070E	US01440210	NCR	NCR
☒	Universal Radio Communication Tester	R&S	CMU200	123090	2016-06-27	2017-06-26
☒	Universal Radio Communication Tester	R&S	CMW500	152271	2017-03-06	2018-03-05
☒	RF Bi-Directional Coupler	Agilent	86205-60001	MY31400031	NCR	NCR
☒	Signal Generator	Agilent	N5171B	MY53050736	2017-03-06	2018-03-05
☒	Preamplifier	Mini-Circuits	ZHL-42W	15542	NCR	NCR
☒	Power Meter	Agilent	E4416A	GB41292095	2017-03-06	2018-03-05
☒	Power Sensor	Agilent	8481H	MY41091234	2017-03-05	2018-03-04
☒	Power Sensor	R&S	NRP-Z92	100025	2017-03-06	2018-03-05
☒	Attenuator	SHX	TS2-3dB	30704	NCR	NCR
☒	Coaxial low pass filter	Mini-Circuits	VLF-2500(+)	NA	NCR	NCR
☒	Coaxial low pass filter	Microlab Fxr	LA-F13	NA	NCR	NCR
☒	50 Ω coaxial load	Mini-Circuits	KARN-50+	00850	NCR	NCR

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☒	DC POWER SUPPLY	SAKO	SK1730SL5A	NA	NCR	NCR
☒	Speed reading thermometer	MingGao	T809	NA	2017-03-08	2018-03-07
☒	Humidity and Temperature Indicator	KIMTOKA	KIMTOKA	NA	2017-03-08	2018-03-07

10 Calibration certificate

Please see the Appendix C

11 Photographs

Please see the Appendix D

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Appendix A: Detailed System Validation Results

Appendix B: Detailed Test Results

Appendix C: Calibration certificate

Appendix D: Photographs

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