

RF Test Report

FCC ID: ZMOFG101NA

Test Report No.....: RF231214003-01-003

Product(s) Name.....: LTE Module

Model(s).....: FG101-NA

Trade Mark.....: Fibocom

Applicant.....: Fibocom Wireless Inc.

Address.....: 1101, Tower A, Building 6, Shenzhen International Innovation Valley, Dashi 1st Rd, Nanshan, Shenzhen, China

Receipt Date.....: 2023.12.15

Test Date.....: 2024.12.18~2024.01.10

Issued Date.....: 2024.01.12

Standards.....: 47 CFR FCC Part 2
47 CFR FCC Part 22
47 CFR FCC Part 24
47 CFR FCC Part 27
ANSI C63.26-2015
ANSI/TIA/EIA-603-E-2016
FCC KDB 971168 D01 Power Meas License Digital Systems v03r01

Testing Laboratory.....: Shenzhen Haiyun Standard Technical Co., Ltd.

Prepared By:	Checked By:	Approved By:	
Black Ding	Tim Zhang	Misue Su	
<i>Black Ding</i>	<i>Tim.zhang</i>	<i>Misue Su</i>	

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REPORT ISSUED HISTORY

Amendment Report Issue Date: 2024.01.12

- No additional attachment
- Additional attachments were issued following record

Attachment No.	Issue Date	Description
SZ23060216W02	2023.07.17	Original report
SZ23060216W04	2023.07.20	Original report
SZ23060216W05	2023.07.17	Original report
RF231214003-01-003	2024.01.12	<p>Compared with original report (SZ23060216W02, SZ23060216W04, SZ23060216W07), Please see the following table for details.</p> <p>So, the AC Power Line Conducted Emissions, Radiated Emissions the worst case have been re-evaluated.</p> <p>In this report only updated the test results for Radiated Emissions, Maximum Output Power, other are kept the same</p>

1.. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC Part 2 & Part 22 & Part 24 & Part 27			
Standard(s) Section	Test Item	Judgment	Remark
2.1046 22.913(a) 24.232(c) 27.50(c) 27.50(d) 27.50(h)(2) 27.50(j)	Output Power & Equivalent Isotropic Radiated Power & Equivalent Radiated Power	PASS	-----
2.1049	Occupied Bandwidth	PASS	Note(2)
2.1051 22.917(a) 27.53(m)(4) 24.238(a) 27.53(h)	Conducted Spurious Emissions	PASS	Note(2)
2.1051 2.1053 22.917(a) 24.238(a) 27.53(m)(4)	Radiated Spurious Emissions	PASS	-----
2.1051 22.917(a) 24.238(a) 27.53(h) 27.53(g) 27.53(m)(4)	Band Edge	PASS	Note(2)
22.913(d) 24.232(d) 27.50(d) 27.50(j)	Peak To Average Ratio	PASS	Note(2)
2.1055 22.355 24.235 27.54	Frequency Stability	PASS	Note(2)

Note:

- (1) "N/A" denotes test is not applicable in this test report.
- (2) For test item: Occupied Bandwidth, Conducted Spurious Emissions, Band Edge , Peak To Average Ratio and Frequency Stability, Please refer to original report(SZ23060216W02, SZ23060216W04, SZ23060216W05)

1.1. TEST FACILITY

Company:	Shenzhen Haiyun Standard Technical CO., Ltd.
Address:	No. 110, 111, 112, 113, 115, 116, Block B, Jinyuan business Building, No. 302, Xixiang Avenue, Laodong Community, Xixiang Street, Bao'an District, Shenzhen P.R.C.
CNAS Registration Number:	CNAS L18252
CAB identifier:	CN0145
Company Number	30427
A2LA Certificate Number:	6823.01
Telephone:	0755-26024411

1.2. MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

Uncertainty	
Parameter	Uncertainty
Occupied Channel Bandwidth	±143.88kHz
Power Spectral Density	±0.743dB
Conducted Spurious Emission	±1.328dB
RF power conducted	±0.384dB
Conducted emission(9kHz~30MHz) AC main	±2.72dB
Radiated emission(9kHz~30MHz)	±2.66dB
Radiated emission (30MHz~1GHz)	±4.62dB
Radiated emission (1GHz~18GHz)	±4.86dB
Radiated emission (18GHz~40GHz)	±3.80dB

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

1.3. TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By
Conducted Output Power & ERP & EIRP	24.3°C	49%	DC 3.7V	Henry Huang
Radiated Spurious Emissions (9 kHz to 30 MHz)	24.5°C	52%	AC 120V/60Hz	Albert Fan
Radiated Spurious Emissions (30 MHz to 1000 MHz)	24.5°C	52%	AC 120V/60Hz	Albert Fan
Radiated Spurious Emissions (Above 1000 MHz)	24.5°C	52%	AC 120V/60Hz	Albert Fan

Note: Adapter supply voltage AC 120V/60Hz.

2.. GENERAL INFORMATION

2.1. GENERAL DESCRIPTION OF EUT

Product No.	POC231214003-S001	
Equipment	LTE Module	
Brand Name	Fibocom	
Test Model	FG101-NA	
Software Version	19101.1000.01.00.00.07	
Hardware Version	V1.2	
Power Source	DC 12V from adapter.	
Modulation Type	QPSK, 16QAM, 64QAM	
Operation Band	WCDMA Band V/ IV/ II LTE Band 2 / 4 / 5 / 7 / 12 / 13 / 17 / 25 / 26 / 30 / 41 / 66 / 71 LTE Band 29 / 46 only support receiver Uplink: CA_5B, CA_7C, CA_41C	
Frequency Range	WCDMA Band V	Tx: 824MHz-849MHz Rx: 869MHz-894MHz
	WCDMA Band IV	Tx: 1710MHz-1755MHz Rx: 2110MHz-2155MHz
	WCDMA Band II	Tx: 1850MHz - 1910MHz
		Rx: 1930MHz - 1990MHz
	LTE Band 2	Tx: 1850MHz - 1910MHz
		Rx: 1930MHz - 1990MHz
	LTE Band 4	Tx: 1710MHz - 1755MHz
		Rx: 2110MHz - 2155MHz
	LTE Band 5	Tx: 824MHz - 849MHz
		Rx: 869MHz - 894MHz
	LTE Band 7	Tx: 2500MHz - 2570MHz
		Rx: 2620MHz - 2690MHz
	LTE Band 12	Tx: 699MHz - 716MHz
		Rx: 729MHz - 746MHz
	LTE Band 13	Tx: 777MHz - 787MHz
		Rx: 746MHz - 756MHz
	LTE Band 17	Tx: 704MHz - 716MHz
		Rx: 734MHz - 746MHz
	LTE Band 25	Tx: 1850MHz - 1915MHz
		Rx: 1930MHz - 1995MHz
	LTE Band 26	Tx: 824MHz - 849MHz
		Rx: 869MHz - 894MHz
	LTE Band 29	Rx: 717MHz - 728MHz
	LTE Band 30	Tx: 2305MHz - 2315MHz
Rx: 2350MHz - 2360MHz		
LTE Band 41 (Power class3)	Tx: 2496MHz - 2690MHz	
	Rx: 2496MHz - 2690MHz	
LTE Band 46	Rx: 5150MHz - 5925MHz	
LTE Band 66	Tx: 1710MHz - 1780MHz	
	Rx: 2110MHz - 2200MHz	
LTE Band 71	Tx: 663MHz - 698MHz	
	Rx: 617MHz - 652MHz	
LTE CA_5B	Tx: 824MHz-849MHz	
	Tx: 824MHz-849MHz	
LTE CA_7C	Tx: 2500MHz-2570MHz	
	Rx: 2620MHz-2690MHz	
LTE CA_41C	Tx: 2496 MHz-2690MHz	
	Rx: 2496 MHz-2690MHz	

Channel Bandwidth	LTE Band 2	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 4	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 5	1.4MHz, 3MHz, 5MHz, 10MHz
	LTE Band 7	1.4MHz, 3MHz, 5MHz, 10MHz
	LTE Band 12	1.4MHz, 3 MHz, 5 MHz, 10MHz
	LTE Band 13	5 MHz, 10MHz
	LTE Band 17	5 MHz, 10MHz
	LTE Band 25	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 26	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz
	LTE Band 30	5 MHz, 10MHz
	LTE Band 41	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 71	5MHz, 10MHz, 15MHz, 20MHz
	LTE CA_5B	5MHz+10MHz,10MHz+5MHz,10MHz+10MHz
LTE CA_7C	10MHz+20MHz,20MHz+10MHz,15MHz+10MHz 15MHz+15MHz,15MHz+20MHz,20MHz+15MHz 20MHz+20MHz	
LTE CA_41C	5MHz+20MHz,20MHz+5MHz,10MHz+15MHz, 15MHz+10MHz,10MHz+20MHz,20MHz+10MHz 15MHz+15MHz,15MHz+20MHz,20MHz+15MHz 20MHz+20MHz	
Antenna Type	PCB Antenna	
Antenna Gain	WCDMA Band V	1.75dBi
	WCDMA Band IV	3.17dBi
	WCDMA Band II	1.94dBi
	LTE Band 2	1.94dBi
	LTE Band 4	3.17dBi
	LTE Band 5	1.75dBi
	LTE Band 7	5.12dBi
	LTE Band 12	3.39dBi
	LTE Band 13	2.00dBi
	LTE Band 17	3.39dBi
	LTE Band 25	1.94dBi
	LTE Band 26	1.75dBi
	LTE Band 30	5.77dBi
	LTE Band 41	5.48dBi
	LTE Band 66	3.17dBi
	LTE Band 71	3.39dBi
	LTE CA_5B	1.75dBi
LTE CA_7C	5.12dBi	
LTE CA_41C	5.48dBi	

2.2. DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Support Equipment				
No.	Equipment	Manufacturer	Model Name	Remarks
1	SIM Card	/	LTE 4G Card	/
2	Adapter	Shenzhen Ruide Electronics industrial Co.,Ltd	RD1202000-C55-154MG	/

3.. TEST RESULT

3.1 CONDUCTED OUTPUT POWER MEASUREMENT

3.1.1 LIMIT

Mobile / Portable station are limited to 7 watts e.r.p.
Mobile / Portable station are limited to 1 watts e.i.r.p.
Mobile / Portable station are limited to 2 watts e.i.r.p.
Mobile / Portable station are limited to 3 watts e.r.p.

3.1.2 TEST PROCEDURE

The testing follows FCC KDB 971168 v03r01 Section 5.

EIRP:

$EIRP = \text{Output Power} + \text{Antenan gain}$

ERP:

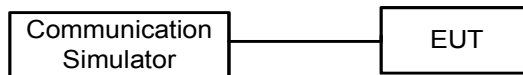
$ERP = EIRP - 2.15$

Output Power:

The EUT was set up for the maximum power with WCDMA and LTE link data modulation and link up with simulator. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

3.1.3 TEST SETUP LAYOUT

Output Power Measurement



3.1.4 TEST DEVIATION

No deviation.

3.1.5 TEST RESULTS

Please refer to the APPENDIX A.

3.2 RADIATED SPURIOUS EMISSIONS MEASUREMENT

3.2.1 LIMIT

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. The emission limit equal to -13dBm.

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $55 + 10 \log(P)$ dB. The emission limit equal to -25dBm.

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $60 + 10 \log(P)$ dB. The emission limit equal to -40dBm.

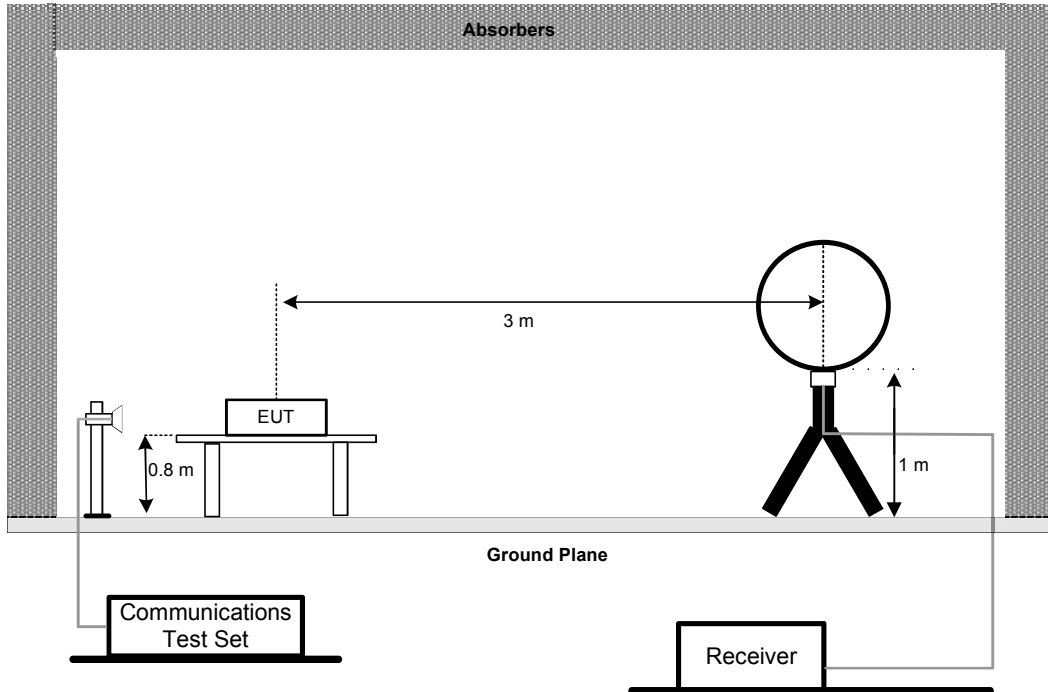
3.2.2 TEST PROCEDURES

The testing follows FCC KDB 971168 v03r01 Section 6.2.

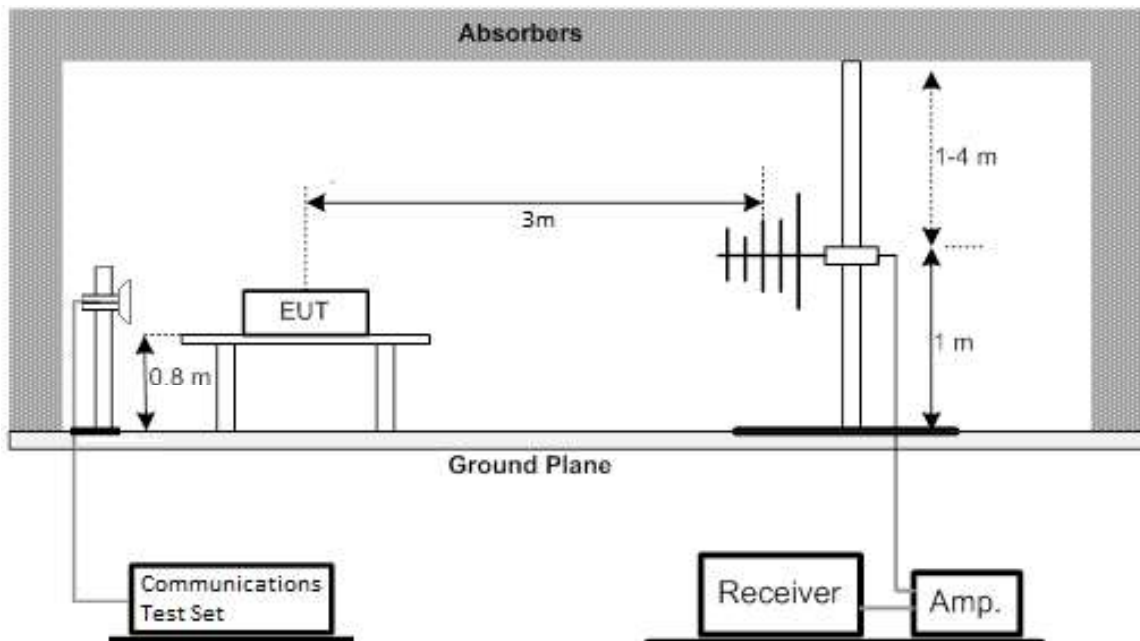
1. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
2. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value " of step a. Record the power level of S.G
3. $EIRP = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$.
4. ERP can be calculated form EIRP by subtracting the gain of dipole, $ERP = EIPR - 2.15\text{dBi}$.
5. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

3.2.3 TEST SETUP LAYOUT

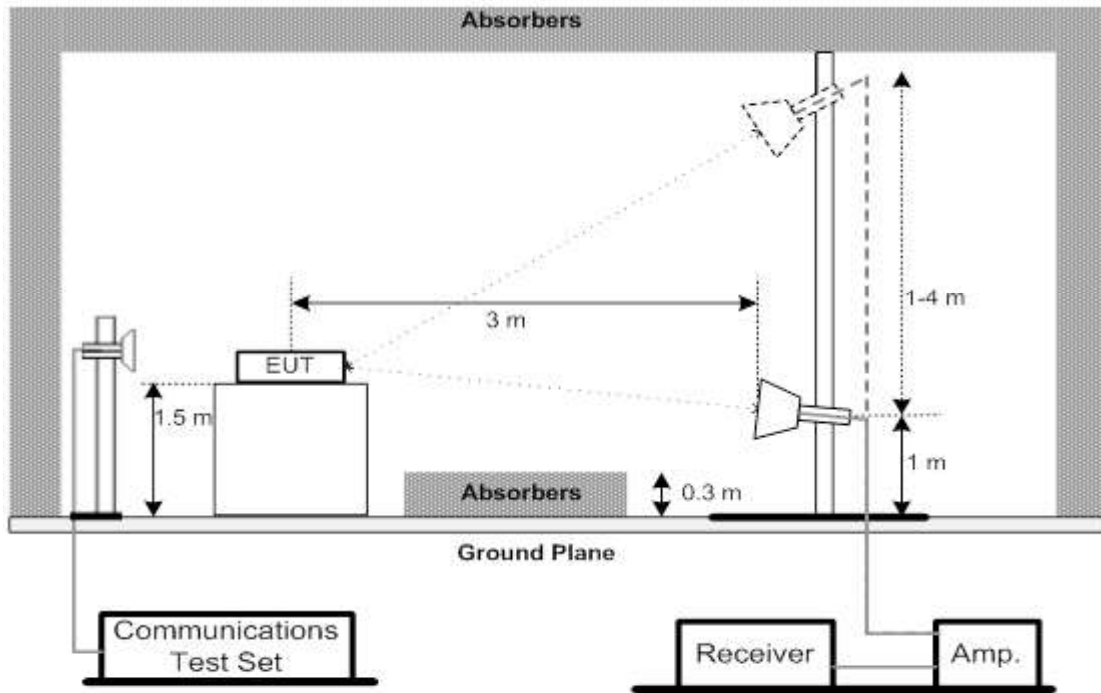
Below 30MHz



30MHz to 1GHz



Above 1GHz



3.2.4 TEST RESULTS (9KHZ TO 30MHZ)

Please refer to the APPENDIX B.

3.2.5 TEST RESULTS (30MHZ TO 1000MHZ)

Please refer to the APPENDIX C.

3.2.6 TEST RESULTS (ABOVE 1000MHZ)

Please refer to the APPENDIX D.

4. LIST OF MEASUREMENT EQUIPMENTS

Radiated Emissions						
No.	Equipment	Manufacturer	Type No.	Serial No.	Cal. date (yyyy/mm/dd)	Cal. Due date (yyyy/mm/dd)
1	Test receiver	Rohde&Schwarz	ESU	100184	2023/5/3	2024/5/2
2	MXA Signal Analyzer	Keysight	N9010A	MY51440158	2023/4/22	2024/4/21
3	Log periodic antenna	Schwarzbeck	VULB 9168	1151	2023/5/4	2024/5/3
4	Low frequency amplifier	/	LNA 0920N	2014	2023/5/3	2024/5/2
5	High frequency amplifier	Schwarzbeck	BBV 9718	284	2023/5/3	2024/5/2
6	Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1273	2023/5/4	2024/5/3
7	Temp&Humidity Recorder	Meideshi	JR900	/	2023/5/3	2024/5/2
8	Horn Antenna	SCHWARZBECK	BBHA 9170	9170#685	2023/7/16	2024/7/15
9	Loop Antenna	SCHWARZBECK	FMZB151 9B	00029	2023/7/16	2024/7/15
10	Broadband preamplifier	Schwarzbeck	BBV9721	9721-019	2023/5/3	2024/5/2
11	Wideband Radio Communication Tester	Rohde&Schwarz	CMW500	1201.0002 K50-116064-Dt	2023/4/23	2024/4/22
12	Test software	Farad Technology Co., Ltd	EZ-EMC Ver.TW-03A2			
RF Conducted Emission						
1	MXA Signal Analyzer	Keysight	N9021B	MY60080169	2023/4/23	2024/4/22
2	RF Control Unit	dsusoft	JS0806-2	21G8060449	2023/4/23	2024/4/22
3	power supply unit	dsusoft	JS0806-4ADC	N/A	2023/4/23	2024/4/22
4	VXG Signal Generator	Keysight	M9384B	MY61270787	2023/4/23	2024/4/22
5	EXG Analog Signal Generator	Keysight	N5173B	MY59101282	2023/4/23	2024/4/22
6	Wideband Radio Communication Tester	Rohde&Schwarz	CMW500	1201.0002 K50-116064-Dt	2023/4/23	2024/4/22
7	Test software	dsusoft	JS1120-3 Ver.3.2.22.0			



APPENDIX A - CONDUCTED OUTPUT POWER

Conducted Output Power (dBm)

WCDMA Band V	Average Power (dBm)		
TX Channel	4132	4182	4233
Frequency (MHz)	826.4	836.4	846.6
RMC 12.2Kbps	23.53	23.49	23.49
HSDPA Subtest-1	23.22	23.30	23.08
HSDPA Subtest-2	23.14	23.18	23.24
HSDPA Subtest-3	22.75	22.91	22.63
HSDPA Subtest-4	22.64	22.86	22.66
DC-HSDPA Subtest-1	22.99	22.81	22.85
DC-HSDPA Subtest-2	22.93	22.91	23.07
DC-HSDPA Subtest-3	22.44	22.56	22.48
DC-HSDPA Subtest-4	22.53	22.53	22.44
HSUPA Subtest-1	21.52	21.75	22.77
HSUPA Subtest-2	21.90	21.93	22.23
HSUPA Subtest-3	22.36	22.58	22.68
HSUPA Subtest-4	22.34	22.47	22.81
HSUPA Subtest-5	22.39	22.51	22.62
HSPA+ (16QAM) Subtest-1	21.76	21.65	21.23

WCDMA Band IV	Average Power (dBm)		
TX Channel	1312	1413	1513
Frequency (MHz)	1712.4	1732.6	1752.6
RMC 12.2Kbps	23.10	23.11	23.12
HSDPA Subtest-1	23.02	23.00	23.17
HSDPA Subtest-2	22.95	22.98	23.13
HSDPA Subtest-3	22.48	22.41	22.75
HSDPA Subtest-4	22.43	22.44	22.65
DC-HSDPA Subtest-1	22.93	23.05	23.10
DC-HSDPA Subtest-2	23.07	23.08	23.07
DC-HSDPA Subtest-3	22.45	22.41	22.74
DC-HSDPA Subtest-4	22.44	22.30	22.54
HSUPA Subtest-1	22.13	22.39	22.20
HSUPA Subtest-2	21.54	21.78	21.71
HSUPA Subtest-3	21.81	22.32	22.22
HSUPA Subtest-4	21.68	22.38	22.09
HSUPA Subtest-5	22.10	22.25	22.17
HSPA+ (16QAM) Subtest-1	22.92	22.64	22.44

WCDMA Band II	Average Power (dBm)		
	9262	9400	9538
TX Channel	9262	9400	9538
Frequency (MHz)	1852.4	1880.0	1907.6
RMC 12.2Kbps	23.38	23.46	23.43
HSDPA Subtest-1	23.18	23.21	23.19
HSDPA Subtest-2	23.23	23.10	23.19
HSDPA Subtest-3	22.71	22.79	22.61
HSDPA Subtest-4	22.81	22.68	22.72
DC-HSDPA Subtest-1	23.12	23.21	23.36
DC-HSDPA Subtest-2	23.23	23.17	23.09
DC-HSDPA Subtest-3	22.63	22.85	22.67
DC-HSDPA Subtest-4	22.83	22.72	22.76
HSUPA Subtest-1	21.91	22.35	22.55
HSUPA Subtest-2	21.82	21.82	22.04
HSUPA Subtest-3	21.94	22.48	22.59
HSUPA Subtest-4	22.41	22.36	22.49
HSUPA Subtest-5	22.33	22.48	22.65
HSPA+ (16QAM) Subtest-1	22.77	22.76	22.87

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	23.22	23.01	23.11
20	QPSK	1	49	23.20	23.05	22.99
20	QPSK	1	99	23.15	22.99	22.95
20	QPSK	50	0	22.22	22.10	22.03
20	QPSK	50	24	22.21	22.13	22.06
20	QPSK	50	50	21.98	22.10	21.89
20	QPSK	100	0	22.08	22.08	22.03
20	16QAM	1	0	22.42	22.37	22.18
20	16QAM	1	49	22.09	22.24	22.11
20	16QAM	1	99	22.08	22.08	22.05
20	16QAM	50	0	21.09	21.15	21.19
20	16QAM	50	24	21.05	21.04	21.08
20	16QAM	50	50	21.09	20.90	20.95
20	16QAM	100	0	21.03	20.93	20.92
20	64QAM	1	0	21.36	21.24	21.21
20	64QAM	1	49	21.28	21.13	21.11
20	64QAM	1	99	21.21	21.20	21.12
20	64QAM	50	0	20.18	20.15	20.09
20	64QAM	50	24	20.11	20.07	20.13
20	64QAM	50	50	19.98	20.02	19.91
20	64QAM	100	0	20.03	20.01	20.12

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	23.20	23.07	23.12
15	QPSK	1	37	23.10	23.00	23.02
15	QPSK	1	74	23.05	23.03	23.01
15	QPSK	36	0	22.23	22.32	22.19
15	QPSK	36	20	22.02	22.05	22.03
15	QPSK	36	39	22.07	22.01	22.10
15	QPSK	75	0	22.17	22.35	22.32
15	16QAM	1	0	22.41	22.37	22.02
15	16QAM	1	37	22.30	22.39	22.30
15	16QAM	1	74	22.10	22.36	22.15
15	16QAM	36	0	21.19	21.13	21.09
15	16QAM	36	20	21.23	21.02	21.13
15	16QAM	36	39	21.10	20.89	21.21
15	16QAM	75	0	21.14	20.92	21.05
15	64QAM	1	0	21.30	21.16	21.07
15	64QAM	1	37	21.30	21.10	21.00
15	64QAM	1	74	21.09	21.25	21.03
15	64QAM	36	0	20.35	20.13	20.10
15	64QAM	36	20	20.06	19.90	19.98
15	64QAM	36	39	20.04	20.14	19.99
15	64QAM	75	0	20.09	20.02	20.03

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	23.25	23.14	23.10
10	QPSK	1	25	23.04	23.05	22.89
10	QPSK	1	49	23.19	23.00	23.00
10	QPSK	25	0	22.28	22.09	22.17
10	QPSK	25	12	22.27	22.24	22.14
10	QPSK	25	25	22.00	21.81	22.16
10	QPSK	50	0	22.09	22.16	22.35
10	16QAM	1	0	22.27	22.20	22.16
10	16QAM	1	25	22.13	22.07	22.33
10	16QAM	1	49	22.25	22.24	22.29
10	16QAM	25	0	21.06	21.15	21.00
10	16QAM	25	12	21.23	21.26	21.15
10	16QAM	25	25	21.12	21.26	21.23
10	16QAM	50	0	20.99	21.06	21.13
10	64QAM	1	0	21.22	21.25	21.05
10	64QAM	1	25	21.08	21.06	21.19
10	64QAM	1	49	21.10	21.01	21.07
10	64QAM	25	0	20.25	20.22	20.26
10	64QAM	25	12	20.18	20.06	20.15
10	64QAM	25	25	20.01	20.07	19.94
10	64QAM	50	0	20.20	19.96	19.93

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	23.14	23.02	23.06
5	QPSK	1	12	23.23	23.00	23.13
5	QPSK	1	24	23.15	23.08	22.99
5	QPSK	12	0	22.26	22.20	22.17
5	QPSK	12	7	22.40	21.96	22.16
5	QPSK	12	13	22.05	21.99	22.12
5	QPSK	25	0	22.11	22.19	21.87
5	16QAM	1	0	22.32	22.16	22.06
5	16QAM	1	12	22.24	22.22	21.85
5	16QAM	1	24	21.99	22.18	22.09
5	16QAM	12	0	21.24	21.13	21.09
5	16QAM	12	7	21.26	21.04	20.90
5	16QAM	12	13	21.09	20.84	21.03
5	16QAM	25	0	20.90	21.25	20.93
5	64QAM	1	0	21.01	21.19	21.15
5	64QAM	1	12	21.11	21.06	21.11
5	64QAM	1	24	21.00	21.04	21.32
5	64QAM	12	0	20.17	20.04	20.10
5	64QAM	12	7	19.91	19.90	20.16
5	64QAM	12	13	20.10	19.99	20.14
5	64QAM	25	0	20.15	19.89	19.91

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	23.18	23.22	22.91
3	QPSK	1	8	23.21	23.22	23.05
3	QPSK	1	14	23.06	22.82	23.01
3	QPSK	8	0	22.33	22.17	22.34
3	QPSK	8	4	22.29	22.23	21.81
3	QPSK	8	7	21.99	22.09	22.04
3	QPSK	15	0	21.92	22.21	21.81
3	16QAM	1	0	22.27	22.18	22.20
3	16QAM	1	8	21.97	22.37	22.20
3	16QAM	1	14	22.09	22.13	22.35
3	16QAM	8	0	21.39	21.21	20.97
3	16QAM	8	4	20.95	21.13	21.23
3	16QAM	8	7	21.12	21.16	21.00
3	16QAM	15	0	21.11	20.92	20.98
3	64QAM	1	0	21.45	21.34	21.03
3	64QAM	1	8	21.42	21.08	21.00
3	64QAM	1	14	21.28	20.97	21.18
3	64QAM	8	0	20.07	20.08	20.21
3	64QAM	8	4	20.05	20.29	20.20
3	64QAM	8	7	20.04	20.12	20.09
3	64QAM	15	0	19.85	20.06	20.01

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	23.12	23.19	23.01
1.4	QPSK	1	3	23.09	22.97	23.02
1.4	QPSK	1	5	22.87	22.82	22.74
1.4	QPSK	3	0	22.27	22.12	21.98
1.4	QPSK	3	1	22.36	22.12	22.03
1.4	QPSK	3	3	22.18	21.95	21.94
1.4	QPSK	6	0	21.96	22.03	22.18
1.4	16QAM	1	0	22.30	22.08	22.15
1.4	16QAM	1	3	22.43	22.39	22.28
1.4	16QAM	1	5	22.44	22.32	22.29
1.4	16QAM	3	0	20.99	21.12	20.93
1.4	16QAM	3	1	21.02	21.11	21.08
1.4	16QAM	3	3	21.20	20.95	21.15
1.4	16QAM	6	0	21.32	21.06	20.89
1.4	64QAM	1	0	21.35	21.03	21.18
1.4	64QAM	1	3	21.28	20.94	20.93
1.4	64QAM	1	5	21.24	21.30	21.05
1.4	64QAM	3	0	20.30	20.20	20.13
1.4	64QAM	3	1	19.96	20.08	20.12
1.4	64QAM	3	3	20.30	19.98	20.11
1.4	64QAM	6	0	20.16	20.16	20.00

LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	22.73	22.64	22.69
20	QPSK	1	49	22.68	22.48	22.61
20	QPSK	1	99	22.59	22.48	22.44
20	QPSK	50	0	21.76	21.67	21.74
20	QPSK	50	24	21.61	21.59	21.73
20	QPSK	50	50	21.68	21.67	21.64
20	QPSK	100	0	21.63	21.66	21.60
20	16QAM	1	0	21.78	21.77	21.51
20	16QAM	1	49	21.60	21.64	21.55
20	16QAM	1	99	21.60	21.73	21.54
20	16QAM	50	0	20.76	20.66	20.77
20	16QAM	50	24	20.75	20.70	20.53
20	16QAM	50	50	20.44	20.52	20.51
20	16QAM	100	0	20.78	20.64	20.65
20	64QAM	1	0	20.78	20.88	20.73
20	64QAM	1	49	20.96	20.81	20.85
20	64QAM	1	99	20.77	20.68	20.91
20	64QAM	50	0	19.75	19.74	19.59
20	64QAM	50	24	19.60	19.68	19.72
20	64QAM	50	50	19.73	19.54	19.89
20	64QAM	100	0	19.83	19.58	19.40

LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	22.70	22.74	22.53
15	QPSK	1	37	22.62	22.52	22.51
15	QPSK	1	74	22.60	22.71	22.54
15	QPSK	36	0	21.81	21.77	21.69
15	QPSK	36	20	21.85	21.69	21.65
15	QPSK	36	39	21.69	21.46	21.63
15	QPSK	75	0	21.72	21.57	21.52
15	16QAM	1	0	21.70	21.79	21.65
15	16QAM	1	37	21.76	21.79	21.58
15	16QAM	1	74	21.55	21.56	21.64
15	16QAM	36	0	20.74	20.76	20.72
15	16QAM	36	20	20.62	20.73	20.53
15	16QAM	36	39	20.53	20.55	20.42
15	16QAM	75	0	20.56	20.38	20.58
15	64QAM	1	0	20.84	20.85	20.78
15	64QAM	1	37	20.78	20.71	20.63
15	64QAM	1	74	20.67	20.49	20.76
15	64QAM	36	0	19.77	19.64	19.48
15	64QAM	36	20	19.55	19.84	19.69
15	64QAM	36	39	19.78	19.71	19.48
15	64QAM	75	0	19.80	19.80	19.62

LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	22.60	22.68	22.72
10	QPSK	1	25	22.58	22.60	22.45
10	QPSK	1	49	22.55	22.50	22.62
10	QPSK	25	0	21.84	21.73	21.71
10	QPSK	25	12	21.78	21.69	21.65
10	QPSK	25	25	21.53	21.59	21.57
10	QPSK	50	0	21.81	21.56	21.59
10	16QAM	1	0	21.85	21.89	21.78
10	16QAM	1	25	21.74	21.64	21.76
10	16QAM	1	49	21.92	21.72	21.84
10	16QAM	25	0	20.45	20.75	20.59
10	16QAM	25	12	20.86	20.71	20.65
10	16QAM	25	25	20.78	20.67	20.84
10	16QAM	50	0	20.77	20.79	20.64
10	64QAM	1	0	20.77	20.64	20.81
10	64QAM	1	25	20.55	20.63	20.79
10	64QAM	1	49	20.93	20.67	20.69
10	64QAM	25	0	19.79	19.74	19.74
10	64QAM	25	12	19.83	19.61	19.45
10	64QAM	25	25	19.78	19.60	19.61
10	64QAM	50	0	19.48	19.65	19.56

LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	22.65	22.79	22.53
5	QPSK	1	12	22.61	22.59	22.54
5	QPSK	1	24	22.53	22.71	22.36
5	QPSK	12	0	21.89	21.83	21.74
5	QPSK	12	7	21.70	21.70	21.49
5	QPSK	12	13	21.74	21.60	21.45
5	QPSK	25	0	21.54	21.75	21.61
5	16QAM	1	0	21.80	21.87	21.84
5	16QAM	1	12	21.77	21.83	21.66
5	16QAM	1	24	21.68	21.52	21.65
5	16QAM	12	0	20.88	20.84	20.57
5	16QAM	12	7	20.57	20.72	20.77
5	16QAM	12	13	20.52	20.64	20.77
5	16QAM	25	0	20.75	20.49	20.67
5	64QAM	1	0	20.94	20.84	20.77
5	64QAM	1	12	20.87	20.81	20.90
5	64QAM	1	24	20.82	20.79	20.87
5	64QAM	12	0	19.69	19.91	19.87
5	64QAM	12	7	19.87	19.55	19.81
5	64QAM	12	13	19.74	19.78	19.56
5	64QAM	25	0	19.65	19.67	19.72

LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	22.62	22.65	22.58
3	QPSK	1	8	22.67	22.53	22.57
3	QPSK	1	14	22.58	22.63	22.63
3	QPSK	8	0	21.59	21.74	21.46
3	QPSK	8	4	21.78	21.71	21.63
3	QPSK	8	7	21.80	21.52	21.67
3	QPSK	15	0	21.59	21.58	21.56
3	16QAM	1	0	21.74	21.90	21.75
3	16QAM	1	8	21.80	21.72	21.70
3	16QAM	1	14	21.76	21.82	21.41
3	16QAM	8	0	20.79	20.66	20.63
3	16QAM	8	4	20.81	20.53	20.73
3	16QAM	8	7	20.57	20.59	20.54
3	16QAM	15	0	20.53	20.46	20.68
3	64QAM	1	0	20.82	20.83	20.62
3	64QAM	1	8	20.68	20.69	20.72
3	64QAM	1	14	20.62	20.57	20.76
3	64QAM	8	0	19.76	19.87	19.50
3	64QAM	8	4	19.84	19.60	19.70
3	64QAM	8	7	19.33	19.52	19.50
3	64QAM	15	0	19.80	19.70	19.77

LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	22.66	22.56	22.75
1.4	QPSK	1	3	22.54	22.47	22.60
1.4	QPSK	1	5	22.57	22.73	22.59
1.4	QPSK	3	0	21.88	21.74	21.77
1.4	QPSK	3	1	21.70	21.57	21.58
1.4	QPSK	3	3	21.68	21.64	21.48
1.4	QPSK	6	0	21.80	21.84	21.75
1.4	16QAM	1	0	21.73	21.70	21.66
1.4	16QAM	1	3	21.80	21.71	21.75
1.4	16QAM	1	5	21.73	21.66	21.68
1.4	16QAM	3	0	20.64	20.75	20.57
1.4	16QAM	3	1	20.75	20.79	20.71
1.4	16QAM	3	3	20.77	20.49	20.70
1.4	16QAM	6	0	20.50	20.74	20.81
1.4	64QAM	1	0	20.65	20.79	20.56
1.4	64QAM	1	3	20.66	20.89	20.64
1.4	64QAM	1	5	20.82	20.91	20.81
1.4	64QAM	3	0	19.72	19.73	19.64
1.4	64QAM	3	1	19.84	19.45	19.59
1.4	64QAM	3	3	19.80	19.69	19.77
1.4	64QAM	6	0	19.73	19.64	19.92

LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	22.96	23.14	23.13
10	QPSK	1	25	22.91	22.81	22.95
10	QPSK	1	49	22.89	23.00	23.00
10	QPSK	25	0	21.91	22.09	22.24
10	QPSK	25	12	21.98	22.09	21.93
10	QPSK	25	25	21.82	22.18	21.87
10	QPSK	50	0	22.06	22.09	22.13
10	16QAM	1	0	22.09	22.27	22.18
10	16QAM	1	25	22.10	22.30	21.99
10	16QAM	1	49	21.87	22.04	22.32
10	16QAM	25	0	20.90	21.00	21.01
10	16QAM	25	12	20.89	20.87	20.92
10	16QAM	25	25	20.77	20.99	20.95
10	16QAM	50	0	20.83	21.07	20.97
10	64QAM	1	0	21.08	21.12	21.07
10	64QAM	1	25	20.91	21.01	21.09
10	64QAM	1	49	20.88	21.17	21.00
10	64QAM	25	0	19.85	20.13	20.28
10	64QAM	25	12	20.01	19.99	20.11
10	64QAM	25	25	20.05	20.06	20.04
10	64QAM	50	0	20.08	20.10	20.08

LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20425	20525	20625
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	22.96	22.93	23.11
5	QPSK	1	12	22.88	22.98	23.01
5	QPSK	1	24	22.89	22.92	22.93
5	QPSK	12	0	22.00	22.20	22.05
5	QPSK	12	7	22.05	21.93	22.04
5	QPSK	12	13	21.97	22.12	21.88
5	QPSK	25	0	21.93	22.11	21.96
5	16QAM	1	0	22.22	22.19	22.33
5	16QAM	1	12	22.16	22.02	21.94
5	16QAM	1	24	21.91	22.06	21.91
5	16QAM	12	0	20.96	21.18	21.01
5	16QAM	12	7	20.94	21.09	21.07
5	16QAM	12	13	21.00	20.90	21.14
5	16QAM	25	0	20.99	21.00	21.15
5	64QAM	1	0	20.96	20.99	21.03
5	64QAM	1	12	21.17	20.98	20.84
5	64QAM	1	24	21.02	21.04	21.07
5	64QAM	12	0	20.09	20.07	20.05
5	64QAM	12	7	19.97	19.90	20.09
5	64QAM	12	13	19.73	19.89	19.85
5	64QAM	25	0	19.89	20.18	20.05

LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20415	20525	20635
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	22.88	23.16	23.01
3	QPSK	1	8	22.74	22.87	22.86
3	QPSK	1	14	22.93	23.02	23.00
3	QPSK	8	0	21.92	22.06	22.21
3	QPSK	8	4	22.10	22.33	22.05
3	QPSK	8	7	21.78	22.00	22.07
3	QPSK	15	0	22.12	22.01	22.14
3	16QAM	1	0	22.16	22.19	21.99
3	16QAM	1	8	21.98	22.24	21.94
3	16QAM	1	14	21.95	22.07	22.27
3	16QAM	8	0	21.09	21.16	21.23
3	16QAM	8	4	20.90	21.20	21.14
3	16QAM	8	7	20.95	20.91	21.15
3	16QAM	15	0	20.96	21.05	21.10
3	64QAM	1	0	21.22	21.27	21.35
3	64QAM	1	8	20.91	20.94	20.92
3	64QAM	1	14	21.07	20.97	21.10
3	64QAM	8	0	20.05	20.13	20.18
3	64QAM	8	4	19.97	20.12	19.98
3	64QAM	8	7	19.98	19.97	19.99
3	64QAM	15	0	19.95	19.93	19.96

LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20407	20525	20643
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	23.01	23.08	22.97
1.4	QPSK	1	3	23.02	22.98	22.97
1.4	QPSK	1	5	22.89	22.94	22.97
1.4	QPSK	3	0	22.00	22.10	22.04
1.4	QPSK	3	1	22.11	21.92	21.93
1.4	QPSK	3	3	21.90	21.99	22.04
1.4	QPSK	6	0	21.86	21.85	21.95
1.4	16QAM	1	0	22.04	22.25	22.27
1.4	16QAM	1	3	22.03	22.08	22.04
1.4	16QAM	1	5	21.97	22.01	22.21
1.4	16QAM	3	0	20.82	21.17	20.92
1.4	16QAM	3	1	21.19	21.13	21.24
1.4	16QAM	3	3	20.98	21.02	20.97
1.4	16QAM	6	0	20.98	20.94	21.12
1.4	64QAM	1	0	21.23	21.12	20.99
1.4	64QAM	1	3	20.97	21.13	21.10
1.4	64QAM	1	5	21.07	21.11	20.99
1.4	64QAM	3	0	19.82	19.96	20.02
1.4	64QAM	3	1	20.00	20.11	19.93
1.4	64QAM	3	3	19.92	19.96	20.03
1.4	64QAM	6	0	20.13	20.09	20.13

LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20850	21100	21350
Frequency (MHz)				2510	2535	2560
20	QPSK	1	0	22.70	22.80	22.66
20	QPSK	1	49	22.71	22.60	22.62
20	QPSK	1	99	22.61	22.71	22.65
20	QPSK	50	0	21.61	21.86	21.74
20	QPSK	50	24	21.53	21.74	21.68
20	QPSK	50	50	21.48	21.73	21.51
20	QPSK	100	0	21.50	21.81	21.83
20	16QAM	1	0	21.62	21.78	21.60
20	16QAM	1	49	21.64	21.74	21.76
20	16QAM	1	99	21.69	21.78	21.66
20	16QAM	50	0	20.57	20.85	20.83
20	16QAM	50	24	20.73	20.65	20.64
20	16QAM	50	50	20.47	20.31	20.64
20	16QAM	100	0	20.50	20.40	20.58
20	64QAM	1	0	20.52	20.76	20.80
20	64QAM	1	49	20.65	20.66	20.71
20	64QAM	1	99	20.53	20.55	20.54
20	64QAM	50	0	19.63	19.73	19.52
20	64QAM	50	24	19.60	19.67	19.54
20	64QAM	50	50	19.43	19.70	19.54
20	64QAM	100	0	19.66	19.45	19.59

LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20825	21100	21375
Frequency (MHz)				2507.5	2535	2562.5
15	QPSK	1	0	22.57	22.60	22.55
15	QPSK	1	37	22.68	22.53	22.54
15	QPSK	1	74	22.45	22.58	22.62
15	QPSK	36	0	21.65	21.73	21.84
15	QPSK	36	20	21.54	21.66	21.78
15	QPSK	36	39	21.38	21.58	21.48
15	QPSK	75	0	21.52	21.63	21.67
15	16QAM	1	0	21.82	21.75	21.63
15	16QAM	1	37	21.47	21.62	21.47
15	16QAM	1	74	21.60	21.66	21.60
15	16QAM	36	0	20.85	20.79	20.68
15	16QAM	36	20	20.54	20.49	20.65
15	16QAM	36	39	20.64	20.54	20.73
15	16QAM	75	0	20.41	20.59	20.45
15	64QAM	1	0	20.49	20.73	20.65
15	64QAM	1	37	20.53	20.68	20.60
15	64QAM	1	74	20.64	20.69	20.75
15	64QAM	36	0	19.69	19.54	19.54
15	64QAM	36	20	19.49	19.60	19.54
15	64QAM	36	39	19.53	19.43	19.43
15	64QAM	75	0	19.39	19.60	19.53

LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20800	21100	21400
Frequency (MHz)				2505	2535	2565
10	QPSK	1	0	22.51	22.65	22.81
10	QPSK	1	25	22.47	22.62	22.52
10	QPSK	1	49	22.57	22.51	22.63
10	QPSK	25	0	21.81	21.71	21.50
10	QPSK	25	12	21.50	21.53	21.74
10	QPSK	25	25	21.46	21.60	21.73
10	QPSK	50	0	21.36	21.71	21.56
10	16QAM	1	0	21.76	21.74	21.63
10	16QAM	1	25	21.44	21.57	21.70
10	16QAM	1	49	21.56	21.67	21.64
10	16QAM	25	0	20.60	20.69	20.70
10	16QAM	25	12	20.62	20.75	20.57
10	16QAM	25	25	20.43	20.23	20.47
10	16QAM	50	0	20.44	20.66	20.66
10	64QAM	1	0	20.70	20.63	20.88
10	64QAM	1	25	20.51	20.76	20.74
10	64QAM	1	49	20.84	20.68	20.71
10	64QAM	25	0	19.60	19.69	19.67
10	64QAM	25	12	19.52	19.39	19.51
10	64QAM	25	25	19.52	19.71	19.49
10	64QAM	50	0	19.61	19.70	19.58

LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20775	21100	21425
Frequency (MHz)				2502.5	2535	2567.5
5	QPSK	1	0	22.61	22.66	22.64
5	QPSK	1	12	22.62	22.55	22.73
5	QPSK	1	24	22.50	22.46	22.59
5	QPSK	12	0	21.67	21.51	21.65
5	QPSK	12	7	21.44	21.52	21.69
5	QPSK	12	13	21.48	21.48	21.47
5	QPSK	25	0	21.60	21.55	21.41
5	16QAM	1	0	21.76	21.62	21.70
5	16QAM	1	12	21.61	21.73	21.60
5	16QAM	1	24	21.50	21.56	21.64
5	16QAM	12	0	20.65	20.76	20.51
5	16QAM	12	7	20.54	20.78	20.59
5	16QAM	12	13	20.49	20.51	20.65
5	16QAM	25	0	20.51	20.57	20.51
5	64QAM	1	0	20.60	20.88	20.71
5	64QAM	1	12	20.87	20.49	20.68
5	64QAM	1	24	20.61	20.62	20.64
5	64QAM	12	0	19.65	19.69	19.69
5	64QAM	12	7	19.59	19.47	19.59
5	64QAM	12	13	19.50	19.60	19.57
5	64QAM	25	0	19.35	19.40	19.68

LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23060	23095	23130
Frequency (MHz)				704	707.5	711
10	QPSK	1	0	23.05	22.98	23.10
10	QPSK	1	25	23.03	22.99	23.04
10	QPSK	1	49	22.94	22.96	23.18
10	QPSK	25	0	22.26	22.22	22.26
10	QPSK	25	12	22.13	22.10	21.99
10	QPSK	25	25	21.91	22.09	22.05
10	QPSK	50	0	22.15	22.11	22.15
10	16QAM	1	0	22.07	22.33	22.45
10	16QAM	1	25	22.17	22.07	22.26
10	16QAM	1	49	22.12	22.28	22.09
10	16QAM	25	0	21.28	21.07	21.31
10	16QAM	25	12	20.99	21.18	21.00
10	16QAM	25	25	21.03	20.87	21.22
10	16QAM	50	0	21.15	21.28	21.11
10	64QAM	1	0	21.10	21.18	21.20
10	64QAM	1	25	21.13	21.14	21.04
10	64QAM	1	49	20.98	21.19	21.27
10	64QAM	25	0	20.21	20.09	20.18
10	64QAM	25	12	20.08	20.28	20.18
10	64QAM	25	25	20.15	20.12	20.09
10	64QAM	50	0	20.08	20.21	20.04

LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23035	23095	23155
Frequency (MHz)				701.5	707.5	713.5
5	QPSK	1	0	23.10	23.06	23.05
5	QPSK	1	12	23.03	22.98	23.12
5	QPSK	1	24	23.13	23.04	23.07
5	QPSK	12	0	22.10	21.97	22.14
5	QPSK	12	7	22.01	22.03	22.02
5	QPSK	12	13	21.87	22.22	22.08
5	QPSK	25	0	22.03	22.02	22.11
5	16QAM	1	0	22.21	22.32	22.26
5	16QAM	1	12	22.18	22.07	22.22
5	16QAM	1	24	22.22	22.25	22.16
5	16QAM	12	0	21.12	20.98	21.11
5	16QAM	12	7	20.81	20.98	21.20
5	16QAM	12	13	21.06	20.87	21.23
5	16QAM	25	0	20.83	21.12	20.91
5	64QAM	1	0	21.12	21.23	21.22
5	64QAM	1	12	21.19	21.12	21.01
5	64QAM	1	24	21.15	21.16	21.07
5	64QAM	12	0	20.04	20.03	20.32
5	64QAM	12	7	19.99	20.16	20.16
5	64QAM	12	13	19.88	20.02	19.97
5	64QAM	25	0	19.91	20.12	20.07

LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	23.03	23.11	23.02
3	QPSK	1	8	23.02	23.01	23.00
3	QPSK	1	14	23.04	23.05	22.99
3	QPSK	8	0	22.06	22.07	22.07
3	QPSK	8	4	22.05	22.16	22.00
3	QPSK	8	7	22.04	22.11	22.04
3	QPSK	15	0	21.96	22.07	22.10
3	16QAM	1	0	22.16	22.29	22.25
3	16QAM	1	8	22.14	22.23	22.22
3	16QAM	1	14	21.88	22.20	22.23
3	16QAM	8	0	20.98	21.27	21.01
3	16QAM	8	4	21.13	21.14	21.14
3	16QAM	8	7	21.08	21.03	21.12
3	16QAM	15	0	20.97	20.88	20.90
3	64QAM	1	0	21.30	21.36	21.19
3	64QAM	1	8	21.26	21.12	21.24
3	64QAM	1	14	21.01	21.29	21.31
3	64QAM	8	0	20.26	19.97	20.12
3	64QAM	8	4	19.84	20.27	20.19
3	64QAM	8	7	19.93	20.02	19.99
3	64QAM	15	0	19.98	20.29	20.10

LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3
1.4	QPSK	1	0	23.00	22.99	23.00
1.4	QPSK	1	3	23.00	22.97	22.99
1.4	QPSK	1	5	22.92	22.96	23.04
1.4	QPSK	3	0	22.18	22.22	22.32
1.4	QPSK	3	1	22.17	22.15	22.26
1.4	QPSK	3	3	22.03	21.97	22.09
1.4	QPSK	6	0	22.15	22.21	22.17
1.4	16QAM	1	0	22.10	22.24	22.40
1.4	16QAM	1	3	21.96	22.32	22.26
1.4	16QAM	1	5	21.97	22.31	22.37
1.4	16QAM	3	0	21.03	21.09	21.17
1.4	16QAM	3	1	20.95	21.03	21.17
1.4	16QAM	3	3	20.93	21.08	21.16
1.4	16QAM	6	0	21.07	21.08	20.96
1.4	64QAM	1	0	21.15	21.17	21.25
1.4	64QAM	1	3	20.93	21.10	21.28
1.4	64QAM	1	5	21.05	21.11	21.00
1.4	64QAM	3	0	19.95	20.08	20.10
1.4	64QAM	3	1	20.00	20.14	19.95
1.4	64QAM	3	3	20.00	19.98	20.14
1.4	64QAM	6	0	19.99	20.21	20.26

LTE Band 13						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	23230	/
Frequency (MHz)				/	782	/
10	QPSK	1	0	/	23.17	/
10	QPSK	1	25	/	23.07	/
10	QPSK	1	49	/	22.86	/
10	QPSK	25	0	/	22.18	/
10	QPSK	25	12	/	21.91	/
10	QPSK	25	25	/	21.87	/
10	QPSK	50	0	/	22.10	/
10	16QAM	1	0	/	22.18	/
10	16QAM	1	25	/	22.07	/
10	16QAM	1	49	/	22.11	/
10	16QAM	25	0	/	21.07	/
10	16QAM	25	12	/	21.15	/
10	16QAM	25	25	/	20.93	/
10	16QAM	50	0	/	20.89	/
10	64QAM	1	0	/	21.25	/
10	64QAM	1	25	/	21.02	/
10	64QAM	1	49	/	20.87	/
10	64QAM	25	0	/	20.21	/
10	64QAM	25	12	/	20.02	/
10	64QAM	25	25	/	19.87	/
10	64QAM	50	0	/	20.06	/

LTE Band 13						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23205	23230	23255
Frequency (MHz)				779.5	782	784.5
5	QPSK	1	0	23.11	23.07	23.13
5	QPSK	1	12	22.93	23.06	23.09
5	QPSK	1	24	22.89	22.89	23.01
5	QPSK	12	0	22.14	22.27	22.22
5	QPSK	12	7	22.05	21.99	22.00
5	QPSK	12	13	22.11	22.12	21.83
5	QPSK	25	0	22.17	22.05	22.03
5	16QAM	1	0	22.29	22.31	22.31
5	16QAM	1	12	22.13	22.30	22.12
5	16QAM	1	24	22.20	22.17	22.00
5	16QAM	12	0	21.22	21.11	21.04
5	16QAM	12	7	21.04	20.93	21.08
5	16QAM	12	13	21.03	21.07	21.11
5	16QAM	25	0	20.96	21.02	20.99
5	64QAM	1	0	20.98	21.25	21.29
5	64QAM	1	12	21.29	21.06	21.11
5	64QAM	1	24	21.09	21.29	21.01
5	64QAM	12	0	20.07	20.16	20.07
5	64QAM	12	7	19.95	20.13	20.02
5	64QAM	12	13	20.10	19.94	19.93
5	64QAM	25	0	20.19	20.11	20.27

LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23780	23790	23800
Frequency (MHz)				709	710	711
10	QPSK	1	0	22.86	23.03	22.97
10	QPSK	1	25	22.95	23.02	23.06
10	QPSK	1	49	23.03	22.98	23.04
10	QPSK	25	0	22.11	22.11	22.21
10	QPSK	25	12	22.16	21.93	21.93
10	QPSK	25	25	22.01	22.12	21.93
10	QPSK	50	0	21.79	21.87	21.92
10	16QAM	1	0	22.00	22.25	22.13
10	16QAM	1	25	21.93	22.35	22.17
10	16QAM	1	49	21.87	22.10	21.97
10	16QAM	25	0	21.16	21.15	21.03
10	16QAM	25	12	20.99	21.02	21.07
10	16QAM	25	25	20.95	21.02	21.05
10	16QAM	50	0	20.91	20.93	20.85
10	64QAM	1	0	21.01	21.19	21.25
10	64QAM	1	25	21.07	21.20	21.09
10	64QAM	1	49	20.93	21.01	21.15
10	64QAM	25	0	19.98	20.01	20.07
10	64QAM	25	12	19.94	20.02	20.02
10	64QAM	25	25	19.98	19.86	20.04
10	64QAM	50	0	19.94	20.00	20.09

LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23755	23790	23825
Frequency (MHz)				706.5	710	713.5
5	QPSK	1	0	22.91	23.12	22.94
5	QPSK	1	12	23.08	22.89	22.92
5	QPSK	1	24	22.81	22.89	22.94
5	QPSK	12	0	21.93	22.13	22.02
5	QPSK	12	7	22.13	22.05	21.98
5	QPSK	12	13	21.97	21.99	21.89
5	QPSK	25	0	21.96	22.17	22.06
5	16QAM	1	0	22.06	22.18	22.06
5	16QAM	1	12	21.90	22.25	22.01
5	16QAM	1	24	21.87	22.16	22.01
5	16QAM	12	0	21.01	21.24	21.07
5	16QAM	12	7	21.00	20.89	21.04
5	16QAM	12	13	21.00	20.92	21.16
5	16QAM	25	0	20.92	20.91	20.92
5	64QAM	1	0	21.09	21.25	21.32
5	64QAM	1	12	21.20	21.10	21.04
5	64QAM	1	24	20.86	20.94	20.99
5	64QAM	12	0	19.83	20.10	19.94
5	64QAM	12	7	20.00	20.10	20.09
5	64QAM	12	13	20.01	20.00	20.05
5	64QAM	25	0	20.03	19.93	20.13

LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26140	26365	26590
Frequency (MHz)				1860	1882.5	1905
20	QPSK	1	0	23.13	23.19	23.12
20	QPSK	1	49	23.04	23.02	23.09
20	QPSK	1	99	23.01	23.17	23.12
20	QPSK	50	0	22.11	22.37	21.95
20	QPSK	50	24	21.99	21.94	21.89
20	QPSK	50	50	21.99	22.05	21.92
20	QPSK	100	0	22.01	21.85	21.96
20	16QAM	1	0	22.12	22.22	22.15
20	16QAM	1	49	22.15	22.23	22.11
20	16QAM	1	99	22.04	22.14	22.27
20	16QAM	50	0	20.91	21.12	20.89
20	16QAM	50	24	20.87	20.96	21.26
20	16QAM	50	50	20.86	21.10	20.99
20	16QAM	100	0	20.93	20.97	20.86
20	64QAM	1	0	21.05	21.06	21.17
20	64QAM	1	49	20.89	21.29	21.08
20	64QAM	1	99	21.13	21.23	21.25
20	64QAM	50	0	20.06	20.29	20.20
20	64QAM	50	24	20.07	20.01	20.24
20	64QAM	50	50	19.90	20.07	20.03
20	64QAM	100	0	19.95	20.08	20.20

LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26115	26365	26615
Frequency (MHz)				1857.5	1882.5	1907.5
15	QPSK	1	0	23.06	23.11	23.16
15	QPSK	1	37	22.95	23.06	23.02
15	QPSK	1	74	22.92	22.89	22.87
15	QPSK	36	0	22.06	22.37	22.15
15	QPSK	36	20	22.16	21.94	21.97
15	QPSK	36	39	22.00	21.97	21.91
15	QPSK	75	0	22.10	22.08	22.11
15	16QAM	1	0	22.09	22.21	22.24
15	16QAM	1	37	21.93	22.30	22.20
15	16QAM	1	74	21.95	21.91	22.02
15	16QAM	36	0	21.01	21.11	20.97
15	16QAM	36	20	21.07	21.05	21.08
15	16QAM	36	39	20.99	21.02	21.23
15	16QAM	75	0	21.16	21.13	20.95
15	64QAM	1	0	21.16	21.10	21.05
15	64QAM	1	37	20.99	21.02	21.13
15	64QAM	1	74	21.07	21.09	21.05
15	64QAM	36	0	19.96	20.00	20.05
15	64QAM	36	20	19.78	20.06	19.86
15	64QAM	36	39	19.86	19.92	19.93
15	64QAM	75	0	19.91	19.98	20.03

LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26090	26365	26640
Frequency (MHz)				1855	1882.5	1910
10	QPSK	1	0	23.13	23.08	23.07
10	QPSK	1	25	23.07	23.07	23.16
10	QPSK	1	49	22.98	23.09	22.87
10	QPSK	25	0	22.03	22.35	22.06
10	QPSK	25	12	21.90	22.23	21.92
10	QPSK	25	25	22.00	22.09	22.08
10	QPSK	50	0	22.10	22.05	22.02
10	16QAM	1	0	21.94	22.21	22.21
10	16QAM	1	25	22.06	22.22	21.94
10	16QAM	1	49	22.17	22.00	22.05
10	16QAM	25	0	21.10	21.23	20.99
10	16QAM	25	12	20.87	20.88	20.88
10	16QAM	25	25	20.94	21.01	21.23
10	16QAM	50	0	21.09	21.05	21.01
10	64QAM	1	0	21.16	21.23	21.13
10	64QAM	1	25	21.18	20.94	21.03
10	64QAM	1	49	20.98	21.00	21.18
10	64QAM	25	0	20.12	20.18	20.26
10	64QAM	25	12	20.01	20.21	19.99
10	64QAM	25	25	20.01	19.99	19.98
10	64QAM	50	0	19.90	19.96	20.05

LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26065	26365	26665
Frequency (MHz)				1852.5	1882.5	1912.5
5	QPSK	1	0	22.87	23.17	22.95
5	QPSK	1	12	23.11	23.04	22.90
5	QPSK	1	24	22.97	23.10	22.82
5	QPSK	12	0	22.26	22.15	22.23
5	QPSK	12	7	22.20	22.13	22.03
5	QPSK	12	13	21.97	22.17	21.99
5	QPSK	25	0	21.76	21.79	22.09
5	16QAM	1	0	22.13	22.09	22.12
5	16QAM	1	12	22.23	22.16	21.99
5	16QAM	1	24	22.02	22.04	22.25
5	16QAM	12	0	21.17	21.31	21.20
5	16QAM	12	7	21.14	21.03	21.03
5	16QAM	12	13	21.06	20.89	21.07
5	16QAM	25	0	21.03	21.14	20.97
5	64QAM	1	0	21.29	21.28	21.24
5	64QAM	1	12	20.94	21.06	21.24
5	64QAM	1	24	20.95	21.30	21.13
5	64QAM	12	0	19.98	20.00	20.02
5	64QAM	12	7	20.03	20.04	19.99
5	64QAM	12	13	20.02	19.91	20.07
5	64QAM	25	0	19.91	19.95	20.03

LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26055	26365	26675
Frequency (MHz)				1851.5	1882.5	1913.5
3	QPSK	1	0	22.98	23.16	23.11
3	QPSK	1	8	22.91	23.02	23.07
3	QPSK	1	14	22.82	23.16	23.01
3	QPSK	8	0	22.31	21.98	22.08
3	QPSK	8	4	22.01	22.09	22.22
3	QPSK	8	7	21.90	21.98	21.90
3	QPSK	15	0	21.93	21.80	22.27
3	16QAM	1	0	22.36	22.36	22.01
3	16QAM	1	8	21.94	22.31	21.98
3	16QAM	1	14	21.91	22.08	22.05
3	16QAM	8	0	21.01	21.04	21.07
3	16QAM	8	4	20.95	20.89	21.26
3	16QAM	8	7	20.85	20.92	20.89
3	16QAM	15	0	20.76	20.96	21.10
3	64QAM	1	0	20.90	21.13	21.09
3	64QAM	1	8	21.15	20.92	20.95
3	64QAM	1	14	20.77	20.97	21.17
3	64QAM	8	0	19.99	20.05	19.85
3	64QAM	8	4	19.86	20.07	19.79
3	64QAM	8	7	19.58	20.12	20.06
3	64QAM	15	0	20.00	20.07	20.25

LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26047	26365	26683
Frequency (MHz)				1850.7	1882.5	1914.3
1.4	QPSK	1	0	23.16	23.19	22.93
1.4	QPSK	1	3	22.79	22.99	23.10
1.4	QPSK	1	5	23.00	23.06	23.01
1.4	QPSK	3	0	22.30	22.33	21.97
1.4	QPSK	3	1	22.09	22.31	22.08
1.4	QPSK	3	3	21.93	22.09	22.05
1.4	QPSK	6	0	21.81	22.09	22.15
1.4	16QAM	1	0	22.05	22.29	22.22
1.4	16QAM	1	3	22.02	21.97	22.00
1.4	16QAM	1	5	21.93	22.29	22.10
1.4	16QAM	3	0	21.03	21.25	21.06
1.4	16QAM	3	1	21.01	21.12	21.07
1.4	16QAM	3	3	21.02	21.02	20.94
1.4	16QAM	6	0	21.10	21.25	21.13
1.4	64QAM	1	0	21.28	21.11	21.00
1.4	64QAM	1	3	20.99	21.17	20.98
1.4	64QAM	1	5	21.00	20.99	21.13
1.4	64QAM	3	0	20.09	19.92	20.12
1.4	64QAM	3	1	19.88	20.11	20.16
1.4	64QAM	3	3	19.94	20.17	19.86
1.4	64QAM	6	0	20.05	20.11	19.88

LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26865	26915	26965
Frequency (MHz)				831.5	836.5	841.5
15	QPSK	1	0	23.05	22.91	22.96
15	QPSK	1	37	23.02	22.80	22.81
15	QPSK	1	74	22.90	22.85	22.86
15	QPSK	36	0	22.25	21.88	21.76
15	QPSK	36	20	22.09	21.96	22.03
15	QPSK	36	39	21.92	21.95	21.87
15	QPSK	75	0	22.15	22.15	22.09
15	16QAM	1	0	22.21	22.01	22.02
15	16QAM	1	37	22.17	21.97	21.94
15	16QAM	1	74	21.98	21.90	22.03
15	16QAM	36	0	21.09	21.00	20.93
15	16QAM	36	20	20.83	20.75	20.85
15	16QAM	36	39	20.93	20.75	20.72
15	16QAM	75	0	20.69	20.73	20.79
15	64QAM	1	0	21.10	21.00	21.03
15	64QAM	1	37	20.84	20.90	20.99
15	64QAM	1	74	21.04	20.98	20.85
15	64QAM	36	0	19.90	19.89	20.07
15	64QAM	36	20	20.16	19.91	19.76
15	64QAM	36	39	19.95	19.87	19.90
15	64QAM	75	0	19.95	20.02	19.87

LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26840	26915	26990
Frequency (MHz)				829.0	836.5	844.0
10	QPSK	1	0	22.84	22.93	23.10
10	QPSK	1	25	22.90	22.82	22.99
10	QPSK	1	49	23.09	23.02	22.96
10	QPSK	25	0	21.97	22.04	22.00
10	QPSK	25	12	21.65	21.76	21.80
10	QPSK	25	25	21.85	21.77	21.80
10	QPSK	50	0	21.76	21.78	21.95
10	16QAM	1	0	22.07	22.25	22.19
10	16QAM	1	25	21.97	22.01	21.89
10	16QAM	1	49	22.06	21.98	22.01
10	16QAM	25	0	21.11	20.93	21.12
10	16QAM	25	12	20.84	20.85	20.98
10	16QAM	25	25	20.64	20.70	20.82
10	16QAM	50	0	20.94	20.95	21.04
10	64QAM	1	0	20.99	21.09	21.13
10	64QAM	1	25	21.04	20.98	21.05
10	64QAM	1	49	20.93	20.89	20.91
10	64QAM	25	0	19.77	19.91	19.87
10	64QAM	25	12	19.79	19.84	19.74
10	64QAM	25	25	19.62	19.76	19.78
10	64QAM	50	0	19.90	19.96	20.04

LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26815	26915	27015
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	22.75	22.98	22.99
5	QPSK	1	12	22.77	22.71	22.76
5	QPSK	1	24	22.71	22.70	22.76
5	QPSK	12	0	22.13	22.15	22.21
5	QPSK	12	7	21.72	21.66	21.82
5	QPSK	12	13	21.87	21.82	21.78
5	QPSK	25	0	21.70	21.81	21.80
5	16QAM	1	0	22.06	22.15	22.23
5	16QAM	1	12	21.81	21.74	21.81
5	16QAM	1	24	22.02	21.98	22.12
5	16QAM	12	0	20.92	20.99	21.00
5	16QAM	12	7	20.85	20.88	20.96
5	16QAM	12	13	20.81	20.72	20.90
5	16QAM	25	0	20.87	20.83	20.89
5	64QAM	1	0	21.07	21.06	21.30
5	64QAM	1	12	20.96	20.97	21.15
5	64QAM	1	24	20.80	20.88	21.00
5	64QAM	12	0	19.94	19.99	19.89
5	64QAM	12	7	19.84	19.82	19.85
5	64QAM	12	13	19.90	19.90	19.87
5	64QAM	25	0	19.93	19.86	20.05

LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26805	26915	27025
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	23.02	23.02	23.08
3	QPSK	1	8	22.84	22.78	22.94
3	QPSK	1	14	22.89	22.82	22.87
3	QPSK	8	0	21.93	21.88	22.05
3	QPSK	8	4	21.86	21.97	21.91
3	QPSK	8	7	21.72	21.76	21.71
3	QPSK	15	0	21.88	21.92	22.03
3	16QAM	1	0	22.25	22.20	22.18
3	16QAM	1	8	21.78	21.95	21.93
3	16QAM	1	14	22.02	21.94	22.16
3	16QAM	8	0	20.94	21.03	21.05
3	16QAM	8	4	21.10	21.05	21.11
3	16QAM	8	7	20.88	20.90	20.96
3	16QAM	15	0	20.76	20.67	20.82
3	64QAM	1	0	21.19	21.11	21.25
3	64QAM	1	8	21.03	20.90	21.04
3	64QAM	1	14	20.82	20.79	20.86
3	64QAM	8	0	19.61	19.70	19.74
3	64QAM	8	4	19.87	19.78	19.86
3	64QAM	8	7	19.85	19.93	19.88
3	64QAM	15	0	19.91	19.90	19.99

LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26797	26915	27033
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	22.96	22.92	22.98
1.4	QPSK	1	3	22.69	22.79	22.87
1.4	QPSK	1	5	22.86	22.83	22.93
1.4	QPSK	3	0	21.96	21.95	22.03
1.4	QPSK	3	1	22.01	22.08	22.08
1.4	QPSK	3	3	21.93	21.83	21.88
1.4	QPSK	6	0	21.77	21.69	21.76
1.4	16QAM	1	0	22.16	22.21	22.19
1.4	16QAM	1	3	21.88	21.94	22.02
1.4	16QAM	1	5	21.77	21.91	22.02
1.4	16QAM	3	0	20.90	20.95	21.02
1.4	16QAM	3	1	20.92	21.03	20.97
1.4	16QAM	3	3	20.88	21.09	21.15
1.4	16QAM	6	0	20.60	20.65	20.84
1.4	64QAM	1	0	21.18	21.11	21.13
1.4	64QAM	1	3	20.78	20.69	20.94
1.4	64QAM	1	5	20.97	20.83	21.05
1.4	64QAM	3	0	19.93	19.89	20.01
1.4	64QAM	3	1	20.15	20.02	19.99
1.4	64QAM	3	3	19.82	19.78	19.88
1.4	64QAM	6	0	20.02	20.05	20.02

LTE Band 30						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	27710	/
Frequency (MHz)				/	2310	/
10	QPSK	1	0	/	22.81	/
10	QPSK	1	25	/	22.65	/
10	QPSK	1	49	/	22.77	/
10	QPSK	25	0	/	21.69	/
10	QPSK	25	12	/	21.69	/
10	QPSK	25	25	/	21.43	/
10	QPSK	50	0	/	21.60	/
10	16QAM	1	0	/	21.73	/
10	16QAM	1	25	/	21.66	/
10	16QAM	1	49	/	21.56	/
10	16QAM	25	0	/	20.55	/
10	16QAM	25	12	/	20.55	/
10	16QAM	25	25	/	20.57	/
10	16QAM	50	0	/	20.62	/
10	64QAM	1	0	/	20.77	/
10	64QAM	1	25	/	20.83	/
10	64QAM	1	49	/	20.79	/
10	64QAM	25	0	/	19.66	/
10	64QAM	25	12	/	19.79	/
10	64QAM	25	25	/	19.60	/
10	64QAM	50	0	/	19.53	/

LTE Band 30						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				27685	27710	27735
Frequency (MHz)				2307.5	2310	2312.5
5	QPSK	1	0	22.65	22.74	22.67
5	QPSK	1	12	22.61	22.64	22.51
5	QPSK	1	24	22.44	22.61	22.61
5	QPSK	12	0	21.82	21.88	21.61
5	QPSK	12	7	21.62	21.53	21.68
5	QPSK	12	13	21.44	21.81	21.38
5	QPSK	25	0	21.42	21.80	21.78
5	16QAM	1	0	21.78	21.68	21.78
5	16QAM	1	12	21.62	21.72	21.53
5	16QAM	1	24	21.39	21.56	21.49
5	16QAM	12	0	20.64	20.85	20.79
5	16QAM	12	7	20.71	20.77	20.75
5	16QAM	12	13	20.49	20.65	20.65
5	16QAM	25	0	20.56	20.83	20.55
5	64QAM	1	0	20.70	20.80	20.80
5	64QAM	1	12	20.71	20.69	20.62
5	64QAM	1	24	20.44	20.68	20.63
5	64QAM	12	0	19.70	19.86	19.71
5	64QAM	12	7	19.45	19.66	19.43
5	64QAM	12	13	19.56	19.78	19.63
5	64QAM	25	0	19.63	19.51	19.60

LTE Band 41 (Power Class 2)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39750	40620	41490
Frequency (MHz)				2506	2593	2680
20	QPSK	1	0	23.01	23.14	22.96
20	QPSK	1	49	22.94	22.99	23.03
20	QPSK	1	99	22.94	23.07	22.88
20	QPSK	50	0	22.26	22.14	22.15
20	QPSK	50	24	21.87	22.05	21.91
20	QPSK	50	50	22.08	21.92	21.97
20	QPSK	100	0	21.89	21.96	21.85
20	16QAM	1	0	22.14	22.28	22.07
20	16QAM	1	49	22.23	22.07	21.89
20	16QAM	1	99	22.13	21.89	22.04
20	16QAM	50	0	20.99	21.05	21.04
20	16QAM	50	24	20.95	20.89	20.93
20	16QAM	50	50	20.85	21.06	20.94
20	16QAM	100	0	20.88	21.00	20.80
20	64QAM	1	0	21.17	21.38	21.37
20	64QAM	1	49	21.20	21.08	20.92
20	64QAM	1	99	21.02	20.95	20.98
20	64QAM	50	0	19.85	19.97	20.00
20	64QAM	50	24	19.67	19.94	19.73
20	64QAM	50	50	20.02	19.98	19.62
20	64QAM	100	0	19.82	19.79	19.76

LTE Band 41 (Power Class 2)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39725	40620	41515
Frequency (MHz)				2503.5	2593	2682.5
15	QPSK	1	0	23.00	23.20	22.99
15	QPSK	1	37	22.71	22.93	22.88
15	QPSK	1	74	22.79	23.12	22.93
15	QPSK	36	0	22.20	22.17	21.96
15	QPSK	36	20	22.01	22.07	21.83
15	QPSK	36	39	21.93	21.91	21.80
15	QPSK	75	0	22.14	21.91	21.96
15	16QAM	1	0	22.10	22.27	22.11
15	16QAM	1	37	22.10	22.11	22.06
15	16QAM	1	74	22.07	21.92	22.13
15	16QAM	36	0	20.80	21.08	20.93
15	16QAM	36	20	20.88	21.16	21.05
15	16QAM	36	39	20.77	20.75	20.87
15	16QAM	75	0	21.14	21.15	20.96
15	64QAM	1	0	20.97	20.94	21.10
15	64QAM	1	37	21.25	20.97	21.03
15	64QAM	1	74	20.81	21.01	21.04
15	64QAM	36	0	19.99	20.09	20.18
15	64QAM	36	20	20.02	19.91	19.97
15	64QAM	36	39	19.84	20.01	20.05
15	64QAM	75	0	19.99	20.06	19.94

LTE Band 41 (Power Class 2)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39700	40620	41540
Frequency (MHz)				2501	2593	2685
10	QPSK	1	0	22.96	23.02	22.98
10	QPSK	1	25	22.70	22.95	22.92
10	QPSK	1	49	22.86	23.03	22.80
10	QPSK	25	0	21.96	22.12	22.08
10	QPSK	25	12	22.10	22.00	21.72
10	QPSK	25	25	22.04	22.07	22.01
10	QPSK	50	0	21.99	22.00	22.01
10	16QAM	1	0	22.30	22.19	22.23
10	16QAM	1	25	21.98	21.89	22.00
10	16QAM	1	49	21.99	22.11	22.20
10	16QAM	25	0	20.93	21.10	21.02
10	16QAM	25	12	21.15	20.87	21.06
10	16QAM	25	25	20.91	20.83	20.84
10	16QAM	50	0	20.88	21.06	20.78
10	64QAM	1	0	21.23	21.14	21.04
10	64QAM	1	25	21.09	20.86	20.88
10	64QAM	1	49	21.00	21.13	21.11
10	64QAM	25	0	19.90	20.01	20.06
10	64QAM	25	12	20.01	19.82	19.71
10	64QAM	25	25	19.89	20.06	19.94
10	64QAM	50	0	20.04	19.81	19.99

LTE Band 41 (Power Class 2)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39675	40620	41565
Frequency (MHz)				2498.5	2593	2687.5
5	QPSK	1	0	23.12	23.08	22.98
5	QPSK	1	12	23.00	23.04	22.88
5	QPSK	1	24	23.05	23.02	23.03
5	QPSK	12	0	22.06	22.18	21.98
5	QPSK	12	7	22.02	22.04	22.19
5	QPSK	12	13	21.91	21.81	22.04
5	QPSK	25	0	22.06	22.03	22.09
5	16QAM	1	0	21.95	21.96	22.02
5	16QAM	1	12	21.93	21.95	22.01
5	16QAM	1	24	21.97	21.99	21.80
5	16QAM	12	0	21.10	20.84	20.95
5	16QAM	12	7	20.85	20.92	20.97
5	16QAM	12	13	20.82	20.89	20.86
5	16QAM	25	0	20.78	20.99	20.69
5	64QAM	1	0	21.21	21.13	21.00
5	64QAM	1	12	21.25	21.21	20.91
5	64QAM	1	24	20.98	21.00	20.94
5	64QAM	12	0	19.80	19.88	20.06
5	64QAM	12	7	19.99	19.94	19.98
5	64QAM	12	13	20.02	19.97	20.01
5	64QAM	25	0	19.82	19.96	19.95

LTE Band 41 (Power Class 3)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39750	40620	41490
Frequency (MHz)				2506	2593	2680
20	QPSK	1	0	25.45	25.62	25.37
20	QPSK	1	49	25.45	25.23	25.49
20	QPSK	1	99	25.22	25.42	25.42
20	QPSK	50	0	24.42	24.60	24.55
20	QPSK	50	24	24.62	24.59	24.51
20	QPSK	50	50	24.48	24.45	24.42
20	QPSK	100	0	24.52	24.34	24.67
20	16QAM	1	0	24.40	24.60	24.54
20	16QAM	1	49	24.78	24.55	24.46
20	16QAM	1	99	24.44	24.56	24.55
20	16QAM	50	0	23.58	23.60	23.56
20	16QAM	50	24	23.55	23.32	23.42
20	16QAM	50	50	23.41	23.46	23.50
20	16QAM	100	0	23.40	23.46	23.39
20	64QAM	1	0	23.53	23.66	23.61
20	64QAM	1	49	23.49	23.58	23.39
20	64QAM	1	99	23.47	23.38	23.60
20	64QAM	50	0	22.46	22.36	22.33
20	64QAM	50	24	22.26	22.40	22.28
20	64QAM	50	50	22.30	22.51	22.46
20	64QAM	100	0	22.29	22.42	22.49

LTE Band 41 (Power Class 3)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39725	40620	41515
Frequency (MHz)				2503.5	2593	2682.5
15	QPSK	1	0	25.47	25.60	25.25
15	QPSK	1	37	25.25	25.26	25.49
15	QPSK	1	74	25.24	25.26	25.53
15	QPSK	36	0	24.35	24.76	24.74
15	QPSK	36	20	24.33	24.60	24.55
15	QPSK	36	39	24.41	24.51	24.35
15	QPSK	75	0	24.18	24.53	24.53
15	16QAM	1	0	24.56	24.72	24.54
15	16QAM	1	37	24.54	24.40	24.60
15	16QAM	1	74	24.26	24.43	24.55
15	16QAM	36	0	23.48	23.56	23.42
15	16QAM	36	20	23.55	23.50	23.43
15	16QAM	36	39	23.44	23.23	23.29
15	16QAM	75	0	23.22	23.32	23.45
15	64QAM	1	0	23.75	23.65	23.62
15	64QAM	1	37	23.36	23.68	23.55
15	64QAM	1	74	23.62	23.48	23.60
15	64QAM	36	0	22.34	22.35	22.70
15	64QAM	36	20	22.32	22.53	22.39
15	64QAM	36	39	22.40	22.43	22.19
15	64QAM	75	0	22.28	22.29	22.43

LTE Band 41 (Power Class 3)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39700	40620	41540
Frequency (MHz)				2501	2593	2685
10	QPSK	1	0	25.40	25.61	25.41
10	QPSK	1	25	25.46	25.43	25.32
10	QPSK	1	49	25.27	25.57	25.60
10	QPSK	25	0	24.44	24.42	24.76
10	QPSK	25	12	24.67	24.32	24.38
10	QPSK	25	25	24.47	24.24	24.22
10	QPSK	50	0	24.54	24.54	24.32
10	16QAM	1	0	24.51	24.49	24.57
10	16QAM	1	25	24.70	24.65	24.73
10	16QAM	1	49	24.59	24.38	24.62
10	16QAM	25	0	23.34	23.49	23.40
10	16QAM	25	12	23.43	23.51	23.55
10	16QAM	25	25	23.32	23.42	23.27
10	16QAM	50	0	23.44	23.48	23.33
10	64QAM	1	0	23.59	23.82	23.61
10	64QAM	1	25	23.48	23.41	23.50
10	64QAM	1	49	23.70	23.41	23.52
10	64QAM	25	0	22.39	22.43	22.49
10	64QAM	25	12	22.31	22.42	22.56
10	64QAM	25	25	22.33	22.39	22.18
10	64QAM	50	0	22.59	22.42	22.51

LTE Band 41 (Power Class 3)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39675	40620	41565
Frequency (MHz)				2498.5	2593	2687.5
5	QPSK	1	0	25.54	25.55	25.59
5	QPSK	1	12	25.40	25.32	25.43
5	QPSK	1	24	25.47	25.27	25.30
5	QPSK	12	0	24.37	24.28	24.28
5	QPSK	12	7	24.43	24.52	24.49
5	QPSK	12	13	24.49	24.51	24.48
5	QPSK	25	0	24.49	24.29	24.58
5	16QAM	1	0	24.59	24.69	24.58
5	16QAM	1	12	24.61	24.60	24.60
5	16QAM	1	24	24.67	24.50	24.49
5	16QAM	12	0	23.55	23.62	23.62
5	16QAM	12	7	23.46	23.48	23.49
5	16QAM	12	13	23.37	23.49	23.28
5	16QAM	25	0	23.20	23.56	23.29
5	64QAM	1	0	23.71	23.79	23.63
5	64QAM	1	12	23.45	23.65	23.46
5	64QAM	1	24	23.50	23.67	23.32
5	64QAM	12	0	22.38	22.60	22.68
5	64QAM	12	7	22.30	22.42	22.65
5	64QAM	12	13	22.45	22.32	22.54
5	64QAM	25	0	22.42	22.34	22.26

LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132072	132322	132572
Frequency (MHz)				1720	1745	1770
20	QPSK	1	0	22.58	22.73	22.76
20	QPSK	1	49	22.71	22.65	22.55
20	QPSK	1	99	22.40	22.52	22.60
20	QPSK	50	0	21.79	21.83	21.69
20	QPSK	50	24	21.61	21.51	21.50
20	QPSK	50	50	21.55	21.52	21.63
20	QPSK	100	0	21.51	21.70	21.67
20	16QAM	1	0	21.58	21.79	21.68
20	16QAM	1	49	21.43	21.52	21.76
20	16QAM	1	99	21.66	21.64	21.60
20	16QAM	50	0	20.78	20.80	20.71
20	16QAM	50	24	20.80	20.54	20.82
20	16QAM	50	50	20.38	20.74	20.48
20	16QAM	100	0	20.57	20.52	20.66
20	64QAM	1	0	20.65	20.66	20.62
20	64QAM	1	49	20.59	20.67	20.69
20	64QAM	1	99	20.42	20.55	20.62
20	64QAM	50	0	19.64	19.73	19.52
20	64QAM	50	24	19.57	19.45	19.57
20	64QAM	50	50	19.49	19.53	19.74
20	64QAM	100	0	19.74	19.50	19.66

LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132047	132322	132597
Frequency (MHz)				1717.5	1745	1772.5
15	QPSK	1	0	22.56	22.66	22.49
15	QPSK	1	37	22.53	22.58	22.67
15	QPSK	1	74	22.57	22.56	22.54
15	QPSK	36	0	21.59	21.72	21.72
15	QPSK	36	20	21.56	21.60	21.61
15	QPSK	36	39	21.45	21.69	21.54
15	QPSK	75	0	21.37	21.55	21.63
15	16QAM	1	0	21.63	21.78	21.73
15	16QAM	1	37	21.53	21.61	21.59
15	16QAM	1	74	21.74	21.70	21.77
15	16QAM	36	0	20.57	20.67	20.68
15	16QAM	36	20	20.65	20.75	20.81
15	16QAM	36	39	20.50	20.58	20.83
15	16QAM	75	0	20.50	20.59	20.49
15	64QAM	1	0	20.60	20.67	20.67
15	64QAM	1	37	20.51	20.57	20.42
15	64QAM	1	74	20.62	20.78	20.73
15	64QAM	36	0	19.55	19.58	19.74
15	64QAM	36	20	19.63	19.73	19.55
15	64QAM	36	39	19.50	19.69	19.58
15	64QAM	75	0	19.43	19.66	19.72

LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132022	132322	132622
Frequency (MHz)				1715	1745	1775
10	QPSK	1	0	22.59	22.61	22.66
10	QPSK	1	25	22.58	22.61	22.57
10	QPSK	1	49	22.60	22.72	22.43
10	QPSK	25	0	21.50	21.73	21.60
10	QPSK	25	12	21.73	21.78	21.68
10	QPSK	25	25	21.59	21.48	21.52
10	QPSK	50	0	21.56	21.82	21.55
10	16QAM	1	0	21.62	21.66	21.63
10	16QAM	1	25	21.63	21.69	21.61
10	16QAM	1	49	21.51	21.64	21.64
10	16QAM	25	0	20.75	20.72	20.76
10	16QAM	25	12	20.64	20.72	20.45
10	16QAM	25	25	20.45	20.36	20.67
10	16QAM	50	0	20.64	20.65	20.45
10	64QAM	1	0	20.72	20.77	20.71
10	64QAM	1	25	20.60	20.64	20.64
10	64QAM	1	49	20.38	20.62	20.57
10	64QAM	25	0	19.36	19.58	19.60
10	64QAM	25	12	19.58	19.60	19.62
10	64QAM	25	25	19.42	19.65	19.38
10	64QAM	50	0	19.62	19.69	19.51

LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131997	132322	132647
Frequency (MHz)				1712.5	1745	1777.5
5	QPSK	1	0	22.53	22.75	22.58
5	QPSK	1	12	22.62	22.62	22.64
5	QPSK	1	24	22.70	22.62	22.41
5	QPSK	12	0	21.52	21.59	21.69
5	QPSK	12	7	21.64	21.53	21.40
5	QPSK	12	13	21.43	21.52	21.49
5	QPSK	25	0	21.48	21.49	21.63
5	16QAM	1	0	21.78	21.84	21.64
5	16QAM	1	12	21.64	21.58	21.68
5	16QAM	1	24	21.44	21.65	21.56
5	16QAM	12	0	20.55	20.55	20.69
5	16QAM	12	7	20.62	20.56	20.75
5	16QAM	12	13	20.44	20.52	20.37
5	16QAM	25	0	20.35	20.52	20.55
5	64QAM	1	0	20.52	20.61	20.53
5	64QAM	1	12	20.83	20.65	20.76
5	64QAM	1	24	20.38	20.59	20.73
5	64QAM	12	0	19.63	19.59	19.72
5	64QAM	12	7	19.64	19.72	19.62
5	64QAM	12	13	19.47	19.67	19.77
5	64QAM	25	0	19.46	19.68	19.59

LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131987	132322	132657
Frequency (MHz)				1711.5	1745	1778.5
3	QPSK	1	0	22.49	22.75	22.52
3	QPSK	1	8	22.44	22.67	22.54
3	QPSK	1	14	22.43	22.43	22.69
3	QPSK	8	0	21.59	21.75	21.64
3	QPSK	8	4	21.58	21.65	21.65
3	QPSK	8	7	21.45	21.64	21.45
3	QPSK	15	0	21.66	21.56	21.49
3	16QAM	1	0	21.58	21.85	21.80
3	16QAM	1	8	21.68	21.77	21.63
3	16QAM	1	14	21.53	21.70	21.70
3	16QAM	8	0	20.48	20.70	20.77
3	16QAM	8	4	20.58	20.60	20.77
3	16QAM	8	7	20.44	20.53	20.58
3	16QAM	15	0	20.58	20.74	20.41
3	64QAM	1	0	20.57	20.80	20.79
3	64QAM	1	8	20.76	20.81	20.70
3	64QAM	1	14	20.39	20.67	20.67
3	64QAM	8	0	19.59	19.80	19.66
3	64QAM	8	4	19.45	19.63	19.45
3	64QAM	8	7	19.42	19.56	19.39
3	64QAM	15	0	19.45	19.57	19.77

LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131979	132322	132665
Frequency (MHz)				1710.7	1745	1779.3
1.4	QPSK	1	0	22.53	22.61	22.64
1.4	QPSK	1	3	22.55	22.59	22.58
1.4	QPSK	1	5	22.55	22.55	22.60
1.4	QPSK	3	0	21.50	21.69	21.56
1.4	QPSK	3	1	21.62	21.61	21.80
1.4	QPSK	3	3	21.61	21.61	21.63
1.4	QPSK	6	0	21.62	21.46	21.76
1.4	16QAM	1	0	21.75	21.80	21.66
1.4	16QAM	1	3	21.57	21.69	21.56
1.4	16QAM	1	5	21.42	21.80	21.75
1.4	16QAM	3	0	20.42	20.75	20.62
1.4	16QAM	3	1	20.52	20.65	20.81
1.4	16QAM	3	3	20.34	20.56	20.72
1.4	16QAM	6	0	20.52	20.67	20.57
1.4	64QAM	1	0	20.67	20.70	20.66
1.4	64QAM	1	3	20.73	20.63	20.81
1.4	64QAM	1	5	20.56	20.59	20.64
1.4	64QAM	3	0	19.50	19.85	19.84
1.4	64QAM	3	1	19.40	19.62	19.82
1.4	64QAM	3	3	19.57	19.52	19.50
1.4	64QAM	6	0	19.49	19.50	19.61

LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133222	133322	133372
Frequency (MHz)				673	683	688
20	QPSK	1	0	22.86	23.00	23.05
20	QPSK	1	49	22.97	22.97	22.95
20	QPSK	1	99	22.92	22.79	22.81
20	QPSK	50	0	22.04	22.08	22.11
20	QPSK	50	24	21.81	22.10	21.83
20	QPSK	50	50	21.89	21.85	21.87
20	QPSK	100	0	21.86	21.72	21.80
20	16QAM	1	0	22.08	22.16	22.15
20	16QAM	1	49	22.00	22.00	21.92
20	16QAM	1	99	21.94	22.03	21.83
20	16QAM	50	0	21.04	21.05	20.93
20	16QAM	50	24	20.99	20.82	20.88
20	16QAM	50	50	20.75	20.86	20.76
20	16QAM	100	0	20.75	20.92	20.95
20	64QAM	1	0	21.22	21.18	20.92
20	64QAM	1	49	20.91	21.22	21.07
20	64QAM	1	99	20.93	20.99	21.05
20	64QAM	50	0	19.88	19.99	19.90
20	64QAM	50	24	19.80	20.14	19.83
20	64QAM	50	50	19.83	20.04	19.88
20	64QAM	100	0	19.86	19.95	20.03

LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133197	133297	133397
Frequency (MHz)				670.5	680.5	690.5
15	QPSK	1	0	22.87	22.95	23.02
15	QPSK	1	37	22.93	22.98	22.87
15	QPSK	1	74	22.97	22.97	22.89
15	QPSK	36	0	22.13	22.11	22.09
15	QPSK	36	20	22.08	22.01	22.06
15	QPSK	36	39	21.78	21.89	21.73
15	QPSK	75	0	21.77	21.66	21.82
15	16QAM	1	0	22.21	22.18	22.02
15	16QAM	1	37	22.04	22.16	22.06
15	16QAM	1	74	22.06	22.05	22.10
15	16QAM	36	0	20.91	20.92	20.96
15	16QAM	36	20	20.88	21.00	21.03
15	16QAM	36	39	20.88	20.82	21.11
15	16QAM	75	0	20.94	21.05	20.95
15	64QAM	1	0	20.94	21.15	20.93
15	64QAM	1	37	21.16	21.05	21.01
15	64QAM	1	74	21.11	20.85	21.05
15	64QAM	36	0	19.84	19.87	19.70
15	64QAM	36	20	19.73	19.99	19.92
15	64QAM	36	39	19.90	19.73	19.94
15	64QAM	75	0	19.98	19.97	19.78

LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133172	133272	133422
Frequency (MHz)				668	678	693
10	QPSK	1	0	22.80	22.99	22.95
10	QPSK	1	25	22.85	22.81	22.85
10	QPSK	1	49	22.94	22.84	22.91
10	QPSK	25	0	22.16	22.01	21.92
10	QPSK	25	12	22.00	22.15	21.86
10	QPSK	25	25	21.71	21.82	21.75
10	QPSK	50	0	21.91	21.91	21.99
10	16QAM	1	0	22.26	22.27	22.17
10	16QAM	1	25	22.01	22.13	22.07
10	16QAM	1	49	21.85	21.94	21.94
10	16QAM	25	0	20.99	21.07	21.11
10	16QAM	25	12	20.83	20.95	21.06
10	16QAM	25	25	20.86	20.86	20.98
10	16QAM	50	0	20.95	20.78	20.93
10	64QAM	1	0	20.98	21.03	21.12
10	64QAM	1	25	21.10	20.85	21.01
10	64QAM	1	49	21.05	21.18	21.03
10	64QAM	25	0	20.00	20.06	19.90
10	64QAM	25	12	19.84	19.82	19.90
10	64QAM	25	25	19.93	19.80	19.72
10	64QAM	50	0	19.95	20.02	20.06

LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133147	133247	133447
Frequency (MHz)				665.5	675.5	695.5
5	QPSK	1	0	22.91	22.95	22.79
5	QPSK	1	12	22.79	22.93	22.87
5	QPSK	1	24	22.71	22.86	22.77
5	QPSK	12	0	21.85	21.97	21.94
5	QPSK	12	7	21.66	21.81	21.90
5	QPSK	12	13	21.77	21.94	21.84
5	QPSK	25	0	21.93	21.96	22.03
5	16QAM	1	0	22.13	22.26	22.10
5	16QAM	1	12	22.00	22.03	21.94
5	16QAM	1	24	21.86	21.89	21.93
5	16QAM	12	0	21.01	20.97	20.93
5	16QAM	12	7	20.67	20.76	20.97
5	16QAM	12	13	20.99	20.94	20.87
5	16QAM	25	0	21.02	20.82	20.88
5	64QAM	1	0	21.05	21.04	20.94
5	64QAM	1	12	20.83	20.81	20.93
5	64QAM	1	24	20.85	21.12	21.03
5	64QAM	12	0	19.91	19.98	19.98
5	64QAM	12	7	20.00	19.97	19.84
5	64QAM	12	13	19.69	19.82	19.97
5	64QAM	25	0	19.97	19.91	20.15

LTE CA_5B								
Combination:20MHz+20MHz(100RB+100RB)								
PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)
			RB Size	RB Offset	RB Size	RB Offset		
20450	20549	QPSK	1	0	0	0	1	22.61
20476	20575	QPSK	1	0	0	0	1	22.68
20501	20600	QPSK	1	0	0	0	1	22.56

LTE CA_7C								
Combination:20MHz+20MHz(100RB+100RB)								
PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)
			RB Size	RB Offset	RB Size	RB Offset		
20850	21048	QPSK	1	0	0	0	1	22.51
21001	21199	QPSK	1	0	0	0	1	22.58
21152	21350	QPSK	1	0	0	0	1	22.45

LTE CA_41C								
Combination:20MHz+20MHz(100RB+100RB)								
PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)
			RB Size	RB Offset	RB Size	RB Offset		
39750	39948	QPSK	1	0	0	0	1	24.57
40521	40719	QPSK	1	0	0	0	1	24.48
41292	41490	QPSK	1	0	0	0	1	24.45

APPENDIX B - RADIATED SPURIOUS EMISSIONS (9KHZ TO 30MHZ)

Radiated emission: 9KHz-30MHz

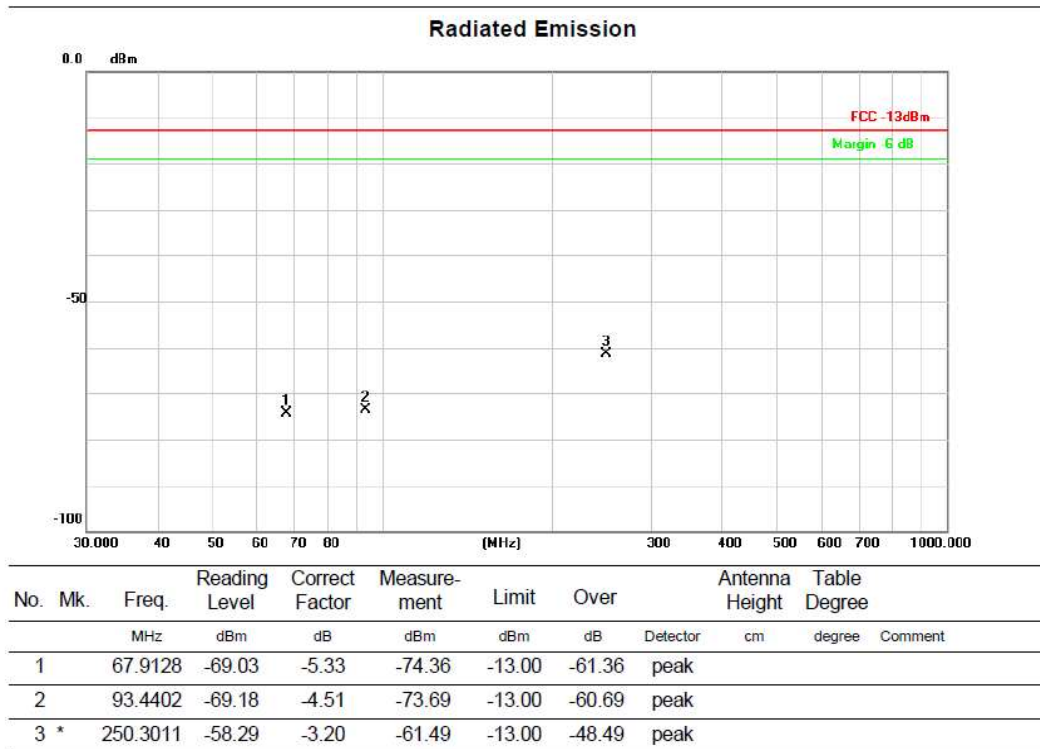
The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

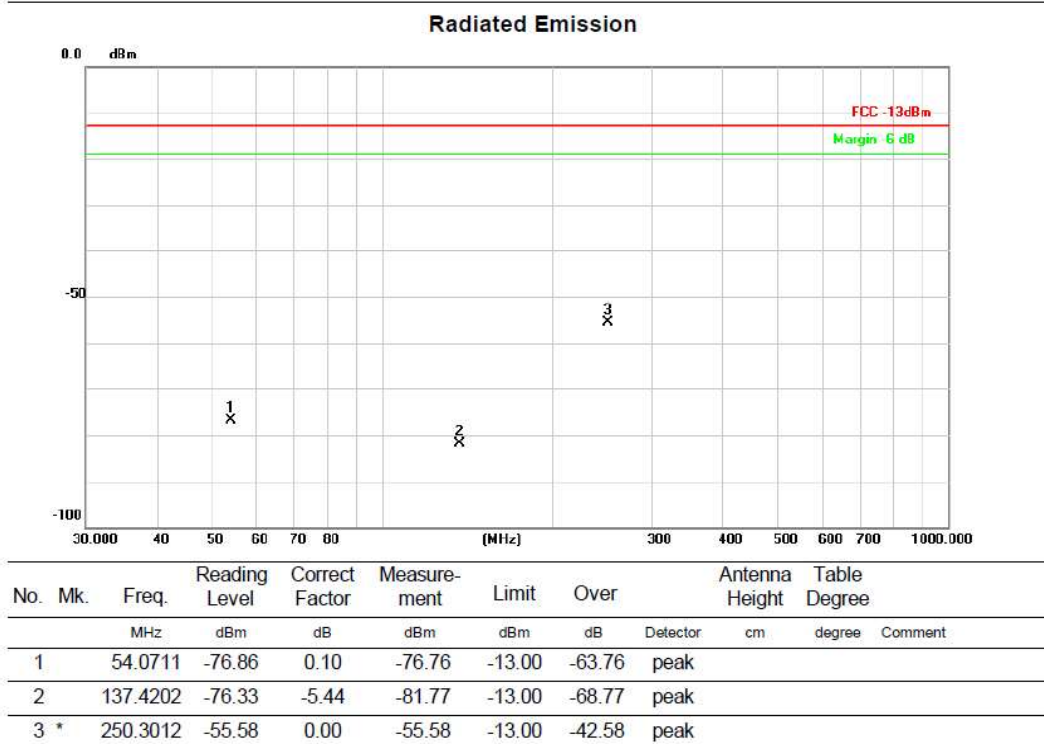


APPENDIX C - RADIATED SPURIOUS EMISSIONS (30MHZ TO 1GHZ)

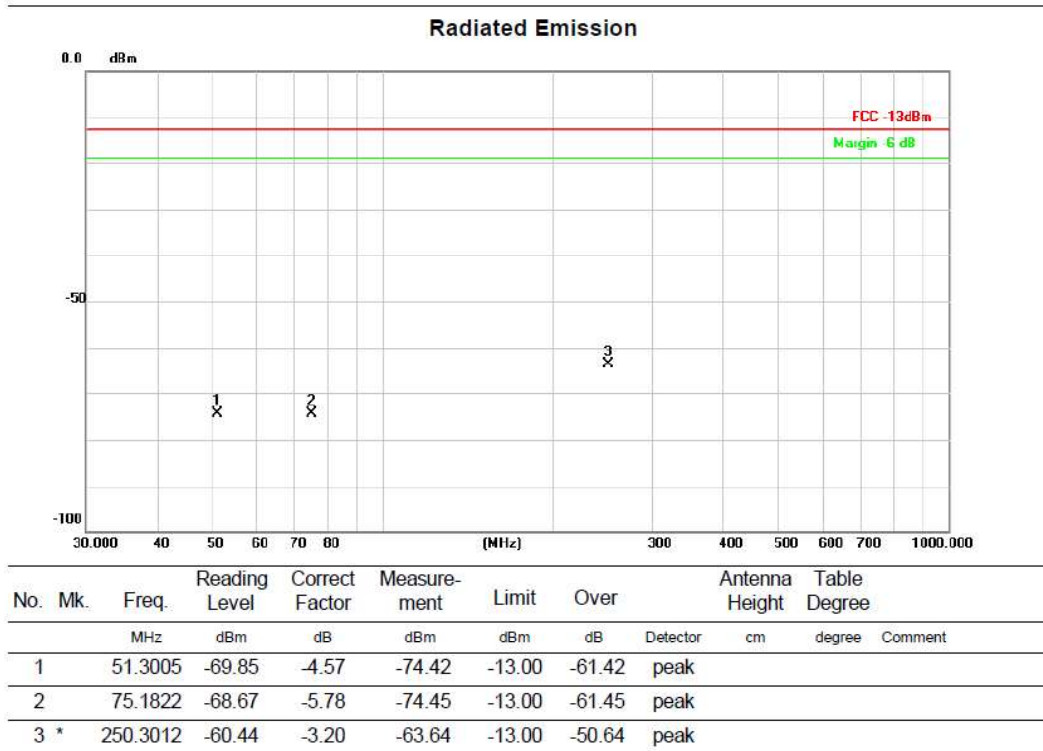
Test Mode	WCDMA-Band V_TX Mid CH	Polarization	Vertical
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Test Mode	WCDMA-Band V_TX Mid CH	Polarization	Horizontal
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Test Mode	WCDMA-Band IV_TX Mid CH	Polarization	Vertical
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Test Mode	WCDMA-Band IV_TX Mid CH	Polarization	Horizontal
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