

RF EXPOSURE REPORT

Product: LTE Module

Model Name: L860-GL

FCC ID: ZMOL860GLD

Applicant: Fibocom Wireless Inc.

Address: 5/F, Tower A, Technology Building II, 1057 Nanhai Avenue,
Shenzhen, China

Manufacturer: Fibocom Wireless Inc.

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Report No.: SA190318W003

Received Date: Mar. 18, 2019

Test Date: Mar. 19, 2019 ~ Apr. 08, 2019

Issued Date: Apr. 08, 2019

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TABLE OF CONTENTS

RF EXPOSURE REPORT	1
RELEASE CONTROL RECORD	3
1 CERTIFICATION	4
2 GENERAL INFORMATION	5
2.1 GENERAL DESCRIPTION OF EUT	5
3 RF EXPOSURE	7
3.1 LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)	7
3.2 MPE CALCULATION FORMULA	7
3.3 CLASSIFICATION	7
3.4 CONDUCTED POWER	8
3.5 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER	70

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA190318W003	Original release	Apr. 08, 2019

1 CERTIFICATION

PRODUCT: LTE Module
BRAND NAME: Fibocom
MODEL NAME: L860-GL
APPLICANT: Fibocom Wireless Inc.
TESTED: Mar. 19, 2019 ~ Apr. 08, 2019
TEST SAMPLE: Production Unit
STANDARDS: FCC Part 2 (Section 2.1091)
FCC OET Bulletin 65, Supplement C (01-01)
KDB 447498 D01 General RF Exposure Guidance v06
IEEE C95.1

The above equipment has been tested by **BV 7Layers Communications Technology (Shenzhen) Co. Ltd** and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

PREPARED BY : Roger, **DATE:** Apr. 08, 2019
(Roger Li/ Engineer)

APPROVED BY : Luke Lu, **DATE:** Apr. 08, 2019
(Luke Lu / Manager)

2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT	LTE Module	
BRAND NAME	Fibocom	
MODEL NAME	L860-GL	
NOMINAL VOLTAGE	DC 3.3V	
OPERATING TEMPERATURE RANGE	-10 ~ 55°C	
MODULATION TYPE	WCDMA	BPSK/QPSK
	LTE	QPSK, 16QAM, 64QAM
OPERATING FREQUENCY	WCDMA	1852.4MHz ~ 1907.6MHz (For WCDMA II) 1712.4 MHz ~ 1752.6 MHz (For WCDMA IV) 826.4MHz ~ 846.6MHz (For WCDMA V)
	LTE	1850.7MHz ~ 1909.3MHz (For LTE Band 2) 1710.7MHz ~ 1754.3MHz (For LTE Band 4) 824.7MHz ~ 848.3MHz (For LTE Band 5) 2502.5MHz ~ 2567.5MHz (FOR LTE Band7) 699.7MHz ~ 715.3MHz (For LTE Band 12) 779.5MHz ~ 784.5MHz (For LTE Band 13) 790.5MHz ~ 795.5MHz (For LTE Band 14) 706.5MHz ~ 713.5MHz (For LTE Band 17) 1850.7MHz ~ 1914.3MHz (For LTE Band 25) 814MHz ~ 849MHz (FOR LTE Band26) 2307.5MHz ~ 2312.5MHz (FOR LTE Band30) 1710.7MHz ~ 1779.3MHz (For LTE Band 66) 2572.5MHz ~ 2617.5MHz (For LTE Band 38) 2498.5MHz ~ 2687.5MHz (For LTE Band 41)
ANTENNA TYPE	External Antenna	
ANTENNA GAIN	5dBi for WCDMA II / WCDMA IV / LTE 2 / LTE 4 / LTE 7 / LTE 66 / LTE 38 / LTE 41 / LTE 25 3dBi for WCDMA V / LTE 5 / LTE 12 / LTE 13 / LTE 17 / LTE 26 / LTE 30 4dBi for LTE 14	
HW VERSION	V1.2	
SW VERSION	18600.5006.00.31.00.02	
I/O PORTS	Refer to user's manual	
CABLE SUPPLIED	N/A	

NOTE:

- For a more detailed features description, please refer to the manufacturer's specifications or the

user's manual.

2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.

3 RF EXPOSURE

3.1 LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm ²)	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30

F = Frequency in MHz

3.2 MPE CALCULATION FORMULA

$$P_d = (P_{out} * G) / (4 * \pi * r^2)$$

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

R = distance between observation point and center of the radiator in cm

3.3 CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Module Approve**.

3.4 CONDUCTED POWER

Band	WCDMA II			WCDMA IV		
Channel	9262	9400	9538	1312	1413	1513
Frequency (MHz)	1852.4	1880.0	1907.6	1712.4	1732.6	1752.6
RMC 12.2K	23.45	23.49	23.36	23.41	23.44	23.42
HSPA						
HSDPA Subtest-1	23.28	23.32	23.19	23.24	23.27	23.25
HSDPA Subtest-2	22.23	22.27	22.14	22.19	22.22	22.20
HSDPA Subtest-3	21.75	21.79	21.66	21.71	21.74	21.72
HSDPA Subtest-4	21.72	21.76	21.63	21.68	21.71	21.69
HSUPA Subtest-1	22.75	22.79	22.66	22.71	22.74	22.72
HSUPA Subtest-2	21.39	21.43	21.30	21.35	21.38	21.36
HSUPA Subtest-3	21.36	21.40	21.27	21.32	21.35	21.33
HSUPA Subtest-4	21.34	21.38	21.25	21.30	21.33	21.31
HSUPA Subtest-5	22.32	22.36	22.23	22.28	22.31	22.29

Band	WCDMA V		
Channel	4132	4182	4233
Frequency (MHz)	826.4	836.4	846.6
RMC 12.2K	23.41	23.31	23.28
HSPA			
HSDPA Subtest-1	23.24	23.14	23.11
HSDPA Subtest-2	22.19	22.09	22.06
HSDPA Subtest-3	21.71	21.61	21.58
HSDPA Subtest-4	21.68	21.58	21.55
HSUPA Subtest-1	22.71	22.61	22.58
HSUPA Subtest-2	21.35	21.25	21.22
HSUPA Subtest-3	21.32	21.22	21.19
HSUPA Subtest-4	21.30	21.20	21.17
HSUPA Subtest-5	22.28	22.18	22.15

LTE Band 2							
BW	Modulation	RB Size	RB Offset	Low CH 18607	Mid CH 18900	High CH 19193	3GPP MPR (dB)
				Frequency 1850.7 MHz	Frequency 1880 MHz	Frequency 1909.3 MHz	
1.4MHz	QPSK	1	0	23.27	23.17	23.09	0
		1	2	23.09	22.99	22.91	0
		1	5	23.06	22.96	22.88	0
		3	0	22.17	22.07	21.99	1
		3	1	22.02	21.92	21.84	1
		3	3	22.03	21.93	21.85	1
		6	0	22.08	21.98	21.90	1
	16QAM	1	0	22.35	22.25	22.17	1
		1	2	22.26	22.16	22.08	1
		1	5	22.22	22.12	22.04	1
		3	0	21.20	21.10	21.02	2
		3	1	21.17	21.07	20.99	2
		3	3	21.15	21.05	20.97	2
		6	0	21.08	20.98	20.90	2
	64QAM	1	0	22.34	22.24	22.16	1
		1	2	22.25	22.15	22.07	1
		1	5	22.22	22.12	22.04	1
		3	0	22.32	22.22	22.14	2
		3	1	22.23	22.13	22.05	2
		3	3	22.20	22.10	22.02	2
		6	0	21.02	20.92	20.84	2

LTE Band 2							
BW	Modulation	RB Size	RB Offset	Low CH 18615	Mid CH 18900	High CH 19185	3GPP MPR (dB)
				Frequency 1851.5 MHz	Frequency 1880 MHz	Frequency 1908.5 MHz	
3MHz	QPSK	1	0	23.30	23.20	23.12	0
		1	7	23.12	23.02	22.94	0
		1	14	23.09	22.99	22.91	0
		8	0	22.18	22.08	22.00	1
		8	3	22.03	21.93	21.85	1
		8	7	22.04	21.94	21.86	1
		15	0	22.09	21.99	21.91	1
	16QAM	1	0	22.38	22.28	22.20	1
		1	7	22.29	22.19	22.11	1
		1	14	22.25	22.15	22.07	1
		8	0	21.22	21.12	21.04	2
		8	3	21.19	21.09	21.01	2
		8	7	21.17	21.07	20.99	2
		15	0	21.10	21.00	20.92	2
	64QAM	1	0	22.37	22.27	22.19	1
		1	7	22.28	22.18	22.10	1
		1	14	22.25	22.15	22.07	1
		8	0	21.23	21.13	21.05	2
		8	3	21.20	21.10	21.02	2
		8	7	21.18	21.08	21.00	2
		15	0	21.05	20.95	20.87	2

LTE Band 2							
BW	Modulation	RB Size	RB Offset	Low CH 18625	Mid CH 18900	High CH 19175	3GPP MPR (dB)
				Frequency 1852.5 MHz	Frequency 1880 MHz	Frequency 1907.5 MHz	
5MHz	QPSK	1	0	23.33	23.23	23.15	0
		1	12	23.15	23.05	22.97	0
		1	24	23.12	23.02	22.94	0
		12	0	22.21	22.11	22.03	1
		12	6	22.06	21.96	21.88	1
		12	13	22.07	21.97	21.89	1
		25	0	22.12	22.02	21.94	1
	16QAM	1	0	22.41	22.31	22.23	1
		1	12	22.32	22.22	22.14	1
		1	24	22.28	22.18	22.10	1
		12	0	21.25	21.15	21.07	2
		12	6	21.22	21.12	21.04	2
		12	13	21.20	21.10	21.02	2
		25	0	21.13	21.03	20.95	2
	64QAM	1	0	22.40	22.30	22.22	1
		1	12	22.31	22.21	22.13	1
		1	24	22.28	22.18	22.10	1
		12	0	21.26	21.16	21.08	2
		12	6	21.23	21.13	21.05	2
		12	13	21.21	21.11	21.03	2
		25	0	21.08	20.98	20.90	2

LTE Band 2							
BW	Modulation	RB Size	RB Offset	Low CH 18650	Mid CH 18900	High CH 19150	3GPP MPR (dB)
				Frequency 1855 MHz	Frequency 1880 MHz	Frequency 1905 MHz	
10MHz	QPSK	1	0	23.35	23.25	23.17	0
		1	24	23.17	23.07	22.99	0
		1	49	23.14	23.04	22.96	0
		25	0	22.23	22.13	22.05	1
		25	12	22.08	21.98	21.90	1
		25	25	22.09	21.99	21.91	1
		50	0	22.14	22.04	21.96	1
	16QAM	1	0	22.43	22.33	22.25	1
		1	24	22.34	22.24	22.16	1
		1	49	22.30	22.20	22.12	1
		25	0	21.27	21.17	21.09	2
		25	12	21.24	21.14	21.06	2
		25	25	21.22	21.12	21.04	2
		50	0	21.15	21.05	20.97	2
	64QAM	1	0	22.42	22.32	22.24	1
		1	24	22.33	22.23	22.15	1
		1	49	22.30	22.20	22.12	1
		25	0	21.28	21.18	21.10	2
		25	12	21.25	21.15	21.07	2
		25	25	21.23	21.13	21.05	2
		50	0	21.10	21.00	20.92	2

LTE Band 2							
BW	Modulation	RB Size	RB Offset	Low CH 18675	Mid CH 18900	High CH 19125	3GPP MPR (dB)
				Frequency 1857.5 MHz	Frequency 1880 MHz	Frequency 1902.5 MHz	
15MHz	QPSK	1	0	23.38	23.28	23.20	0
		1	37	23.20	23.10	23.02	0
		1	74	23.17	23.07	22.99	0
		36	0	22.26	22.16	22.08	1
		36	19	22.11	22.01	21.93	1
		36	39	22.12	22.02	21.94	1
		75	0	22.17	22.07	21.99	1
	16QAM	1	0	22.46	22.36	22.28	1
		1	37	22.37	22.27	22.19	1
		1	74	22.33	22.23	22.15	1
		36	0	21.30	21.20	21.12	2
		36	19	21.27	21.17	21.09	2
		36	39	21.25	21.15	21.07	2
		75	0	21.18	21.08	21.00	2
	64QAM	1	0	22.45	22.35	22.27	1
		1	37	22.36	22.26	22.18	1
		1	74	22.33	22.23	22.15	1
		36	0	21.31	21.21	21.13	2
		36	19	21.28	21.18	21.10	2
		36	39	21.26	21.16	21.08	2
		75	0	21.13	21.03	20.95	2

LTE Band 2							
BW	Modulation	RB Size	RB Offset	Low CH 18700	Mid CH 18900	High CH 19100	3GPP MPR (dB)
				Frequency 1860 MHz	Frequency 1880 MHz	Frequency 1900 MHz	
20MHz	QPSK	1	0	23.43	23.33	23.25	0
		1	50	23.25	23.15	23.07	0
		1	99	23.22	23.12	23.04	0
		50	0	22.31	22.21	22.13	1
		50	25	22.16	22.06	21.98	1
		50	50	22.17	22.07	21.99	1
		100	0	22.22	22.12	22.04	1
	16QAM	1	0	22.51	22.41	22.33	1
		1	50	22.42	22.32	22.24	1
		1	99	22.38	22.28	22.20	1
		50	0	21.35	21.25	21.17	2
		50	25	21.32	21.22	21.14	2
		50	50	21.30	21.20	21.12	2
		100	0	21.23	21.13	21.05	2
	64QAM	1	0	22.50	22.40	22.32	1
		1	50	22.41	22.31	22.23	1
		1	99	22.38	22.28	22.20	1
		50	0	21.36	21.26	21.18	2
		50	25	21.33	21.23	21.15	2
		50	50	21.31	21.21	21.13	2
		100	0	21.18	21.08	21.00	2

LTE Band 4							
BW	Modulation	RB Size	RB Offset	Low CH 19957	Mid CH 20175	High CH 20393	MPR
				Frequency 1710.7 MHz	Frequency 1732.5 MHz	Frequency 1754.3 MHz	
1.4MHz	QPSK	1	0	23.16	23.26	23.24	0
		1	2	22.99	23.09	23.07	0
		1	5	23.09	23.19	23.17	0
		3	0	21.97	22.07	22.05	1
		3	1	21.93	22.03	22.01	1
		3	3	21.90	22.00	21.98	1
		6	0	21.96	22.06	22.04	1
	16QAM	1	0	22.36	22.46	22.44	1
		1	2	22.19	22.29	22.27	1
		1	5	22.14	22.24	22.22	1
		3	0	21.01	21.11	21.09	2
		3	1	20.95	21.05	21.03	2
		3	3	20.94	21.04	21.02	2
		6	0	20.98	21.08	21.06	2
	64QAM	1	0	22.34	22.44	22.42	1
		1	2	22.17	22.27	22.25	1
		1	5	22.11	22.21	22.19	1
		3	0	20.98	21.08	21.06	2
		3	1	20.95	21.05	21.03	2
		3	3	20.91	21.01	20.99	2
		6	0	20.99	21.09	21.07	2

LTE Band 4							
BW	Modulation	RB Size	RB Offset	Low CH 19965	Mid CH 20175	High CH 20385	MPR
				Frequency 1711.5 MHz	Frequency 1732.5 MHz	Frequency 1753.5 MHz	
3MHz	QPSK	1	0	23.17	23.27	23.25	0
		1	7	23.00	23.10	23.08	0
		1	14	23.10	23.20	23.18	0
		8	0	21.99	22.09	22.07	1
		8	3	21.95	22.05	22.03	1
		8	7	21.92	22.02	22.00	1
		15	0	21.98	22.08	22.06	1
	16QAM	1	0	22.37	22.47	22.45	1
		1	7	22.20	22.30	22.28	1
		1	14	22.15	22.25	22.23	1
		8	0	21.02	21.12	21.10	2
		8	3	20.96	21.06	21.04	2
		8	7	20.95	21.05	21.03	2
		15	0	20.99	21.09	21.07	2
	64QAM	1	0	22.35	22.45	22.43	1
		1	7	22.18	22.28	22.26	1
		1	14	22.12	22.22	22.20	1
		8	0	20.99	21.09	21.07	2
		8	3	20.96	21.06	21.04	2
		8	7	20.92	21.02	21.00	2
		15	0	21.00	21.10	21.08	2

LTE Band 4							
BW	Modulation	RB Size	RB Offset	Low CH 19975	Mid CH 20175	High CH 20375	MPR
				Frequency 1712.5 MHz	Frequency 1732.5 MHz	Frequency 1752.5 MHz	
5 MHz	QPSK	1	0	23.20	23.30	23.28	0
		1	12	23.03	23.13	23.11	0
		1	24	23.13	23.23	23.21	0
		12	0	22.02	22.12	22.10	1
		12	6	21.98	22.08	22.06	1
		12	13	21.95	22.05	22.03	1
		25	0	22.01	22.11	22.09	1
	16QAM	1	0	22.40	22.50	22.48	1
		1	12	22.23	22.33	22.31	1
		1	24	22.18	22.28	22.26	1
		12	0	21.05	21.15	21.13	2
		12	6	20.99	21.09	21.07	2
		12	13	20.98	21.08	21.06	2
		25	0	21.02	21.12	21.10	2
	64QAM	1	0	22.38	22.48	22.46	1
		1	12	22.21	22.31	22.29	1
		1	24	22.15	22.25	22.23	1
		12	0	21.02	21.12	21.10	2
		12	6	20.99	21.09	21.07	2
		12	13	20.95	21.05	21.03	2
		25	0	21.03	21.13	21.11	2

LTE Band 4							
BW	Modulation	RB Size	RB Offset	Low CH 20000	Mid CH 20175	High CH 20350	MPR
				Frequency 1715 MHz	Frequency 1732.5 MHz	Frequency 1750 MHz	
10 MHz	QPSK	1	0	23.24	23.34	23.32	0
		1	24	23.07	23.17	23.15	0
		1	49	23.17	23.27	23.25	0
		25	0	22.06	22.16	22.14	1
		25	12	22.02	22.12	22.10	1
		25	25	21.99	22.09	22.07	1
		50	0	22.05	22.15	22.13	1
	16QAM	1	0	22.44	22.54	22.52	1
		1	24	22.27	22.37	22.35	1
		1	49	22.22	22.32	22.30	1
		25	0	21.09	21.19	21.17	2
		25	12	21.03	21.13	21.11	2
		25	25	21.02	21.12	21.10	2
		50	0	21.06	21.16	21.14	2
	64QAM	1	0	22.42	22.52	22.50	1
		1	24	22.25	22.35	22.33	1
		1	49	22.19	22.29	22.27	1
		25	0	21.06	21.16	21.14	2
		25	12	21.03	21.13	21.11	2
		25	25	20.99	21.09	21.07	2
		50	0	21.07	21.17	21.15	2

LTE Band 4							
BW	Modulation	RB Size	RB Offset	Low CH 20025	Mid CH 20175	High CH 20325	MPR
				Frequency 1717.5 MHz	Frequency 1732.5 MHz	Frequency 1747.5 MHz	
15 MHz	QPSK	1	0	23.30	23.40	23.38	0
		1	37	23.13	23.23	23.21	0
		1	74	23.23	23.33	23.31	0
		36	0	22.12	22.22	22.20	1
		36	19	22.08	22.18	22.16	1
		36	39	22.05	22.15	22.13	1
		75	0	22.11	22.21	22.19	1
	16QAM	1	0	22.50	22.60	22.58	1
		1	37	22.33	22.43	22.41	1
		1	74	22.28	22.38	22.36	1
		36	0	21.15	21.25	21.23	2
		36	19	21.09	21.19	21.17	2
		36	39	21.08	21.18	21.16	2
		75	0	21.12	21.22	21.20	2
	64QAM	1	0	22.48	22.58	22.56	1
		1	37	22.31	22.41	22.39	1
		1	74	22.25	22.35	22.33	1
		36	0	21.12	21.22	21.20	2
		36	19	21.09	21.19	21.17	2
		36	39	21.05	21.15	21.13	2
		75	0	21.13	21.23	21.21	2

LTE Band 4							
BW	Modulation	RB Size	RB Offset	Low CH 20050	Mid CH 20175	High CH 20300	MPR
				Frequency 1720 MHz	Frequency 1732.5 MHz	Frequency 1745 MHz	
20 MHz	QPSK	1	0	23.33	23.43	23.41	0
		1	50	23.16	23.26	23.24	0
		1	99	23.26	23.36	23.34	0
		50	0	22.15	22.25	22.23	1
		50	25	22.11	22.21	22.19	1
		50	50	22.08	22.18	22.16	1
		100	0	22.14	22.24	22.22	1
	16QAM	1	0	22.53	22.63	22.61	1
		1	50	22.36	22.46	22.44	1
		1	99	22.31	22.41	22.39	1
		50	0	21.18	21.28	21.26	2
		50	25	21.12	21.22	21.20	2
		50	50	21.11	21.21	21.19	2
		100	0	21.15	21.25	21.23	2
	64QAM	1	0	22.51	22.61	22.59	1
		1	50	22.34	22.44	22.42	1
		1	99	22.28	22.38	22.36	1
		50	0	21.15	21.25	21.23	2
		50	25	21.12	21.22	21.20	2
		50	50	21.08	21.18	21.16	2
		100	0	21.16	21.26	21.24	2

LTE Band 5

Band/BW	Modulation	RB Size	RB Offset	Low CH 20407	Mid CH 20525	High CH 20643	3GPP MPR (dB)
				Frequency 824.7 MHz	Frequency 836.5 MHz	Frequency 848.3 MHz	
5/1.4	QPSK	1	0	22.79	22.58	22.61	0
		1	2	22.76	22.55	22.58	0
		1	5	22.72	22.51	22.54	0
		3	0	21.74	21.53	21.56	0
		3	1	21.72	21.51	21.54	0
		3	3	21.68	21.47	21.50	0
		6	0	21.72	21.51	21.54	1
	16QAM	1	0	21.78	21.57	21.60	1
		1	2	21.73	21.52	21.55	1
		1	5	21.70	21.49	21.52	1
		3	0	20.79	20.58	20.61	1
		3	1	20.76	20.55	20.58	1
		3	3	20.73	20.52	20.55	1
		6	0	20.78	20.57	20.60	2
	64QAM	1	0	20.95	20.74	20.77	2
		1	2	20.92	20.71	20.74	2
		1	5	20.91	20.70	20.73	2
		3	0	19.96	19.75	19.78	3
		3	1	19.94	19.73	19.76	3
		3	3	19.89	19.68	19.71	3
		6	0	19.88	19.67	19.70	3

Band/BW	Modulation	RB Size	RB Offset	Low CH 20415	Mid CH 20525	High CH 20635	3GPP MPR (dB)
				Frequency 825.5 MHz	Frequency 836.5 MHz	Frequency 847.5 MHz	
5/3	QPSK	1	0	22.83	22.62	22.65	0
		1	7	22.80	22.59	22.62	0
		1	14	22.76	22.55	22.58	0
		8	0	21.76	21.55	21.58	1
		8	3	21.74	21.53	21.56	1
		8	7	21.70	21.49	21.52	1
		15	0	21.74	21.53	21.56	1
	16QAM	1	0	21.82	21.61	21.64	1
		1	7	21.77	21.56	21.59	1
		1	14	21.74	21.53	21.56	1
		8	0	20.80	20.59	20.62	2
		8	3	20.77	20.56	20.59	2
		8	7	20.74	20.53	20.56	2
		15	0	20.79	20.58	20.61	2
	64QAM	1	0	20.99	20.78	20.81	2
		1	7	20.96	20.75	20.78	2
		1	14	20.95	20.74	20.77	2
		8	0	19.97	19.76	19.79	3
		8	3	19.95	19.74	19.77	3
		8	7	19.90	19.69	19.72	3
		15	0	19.89	19.68	19.71	3

Band/BW	Modulation	RB Size	RB Offset	Low CH 20425	Mid CH 20525	High CH 20625	3GPP MPR (dB)
				Frequency 826.5 MHz	Frequency 836.5 MHz	Frequency 846.5 MHz	
5/5	QPSK	1	0	22.89	22.68	22.71	0
		1	12	22.86	22.65	22.68	0
		1	24	22.82	22.61	22.64	0
		12	0	21.82	21.61	21.64	1
		12	6	21.80	21.59	21.62	1
		12	13	21.76	21.55	21.58	1
		25	0	21.80	21.59	21.62	1
	16QAM	1	0	21.88	21.67	21.70	1
		1	12	21.83	21.62	21.65	1
		1	24	21.80	21.59	21.62	1
		12	0	20.86	20.65	20.68	2
		12	6	20.83	20.62	20.65	2
		12	13	20.80	20.59	20.62	2
		25	0	20.85	20.64	20.67	2
	64QAM	1	0	21.05	20.84	20.87	2
		1	12	21.02	20.81	20.84	2
		1	24	21.01	20.80	20.83	2
		12	0	20.03	19.82	19.85	3
		12	6	20.01	19.80	19.83	3
		12	13	19.96	19.75	19.78	3
		25	0	19.95	19.74	19.77	3

Band/BW	Modulation	RB Size	RB Offset	Low CH 20450	Mid CH 20525	High CH 20600	3GPP MPR (dB)
				Frequency 829 MHz	Frequency 836.5 MHz	Frequency 844 MHz	
5/10	QPSK	1	0	22.92	22.71	22.74	0
		1	24	22.89	22.68	22.71	0
		1	49	22.85	22.64	22.67	0
		25	0	21.85	21.64	21.67	1
		25	12	21.83	21.62	21.65	1
		25	25	21.79	21.58	21.61	1
		50	0	21.83	21.62	21.65	1
	16QAM	1	0	21.91	21.70	21.73	1
		1	24	21.86	21.65	21.68	1
		1	49	21.83	21.62	21.65	1
		25	0	20.89	20.68	20.71	2
		25	12	20.86	20.65	20.68	2
		25	25	20.83	20.62	20.65	2
		50	0	20.88	20.67	20.70	2
	64QAM	1	0	21.08	20.87	20.90	2
		1	24	21.05	20.84	20.87	2
		1	49	21.04	20.83	20.86	2
		25	0	20.06	19.85	19.88	3
		25	12	20.04	19.83	19.86	3
		25	25	19.99	19.78	19.81	3
		50	0	19.98	19.77	19.80	3

LTE Band 26

Band/BW	Modulation	RB Size	RB Offset	Low CH 26797	Mid CH 26915	High CH 27033	3GPP MPR (dB)
				Frequency 824.7 MHz	Frequency 836.5 MHz	Frequency 848.3 MHz	
26/1.4	QPSK	1	0	22.71	22.54	22.56	0
		1	2	22.68	22.51	22.53	0
		1	5	22.67	22.50	22.52	0
		3	0	22.69	22.52	22.54	0
		3	1	22.66	22.49	22.51	0
		3	3	22.65	22.48	22.50	0
		6	0	21.55	21.38	21.40	1
	16QAM	1	0	21.87	21.70	21.72	1
		1	2	21.81	21.64	21.66	1
		1	5	21.77	21.60	21.62	1
		3	0	21.86	21.69	21.71	1
		3	1	21.80	21.63	21.65	1
		3	3	21.76	21.59	21.61	1
		6	0	20.72	20.55	20.57	2
	64QAM	1	0	20.86	20.69	20.71	2
		1	2	20.82	20.65	20.67	2
		1	5	20.80	20.63	20.65	2
		3	0	20.85	20.68	20.70	3
		3	1	20.81	20.64	20.66	3
		3	3	20.79	20.62	20.64	3
		6	0	19.70	19.53	19.55	3

Band/BW	Modulation	RB Size	RB Offset	Low CH 26805	Mid CH 26915	High CH 27025	3GPP MPR (dB)
				Frequency 825.5 MHz	Frequency 836.5 MHz	Frequency 847.5 MHz	
26/3	QPSK	1	0	22.75	22.58	22.60	0
		1	7	22.72	22.55	22.57	0
		1	14	22.71	22.54	22.56	0
		8	0	21.62	21.45	21.47	1
		8	3	21.60	21.43	21.45	1
		8	7	21.61	21.44	21.46	1
		15	0	21.59	21.42	21.44	1
	16QAM	1	0	21.91	21.74	21.76	1
		1	7	21.85	21.68	21.70	1
		1	14	21.81	21.64	21.66	1
		8	0	20.67	20.50	20.52	2
		8	3	20.65	20.48	20.50	2
		8	7	20.61	20.44	20.46	2
		15	0	20.76	20.59	20.61	2
	64QAM	1	0	20.90	20.73	20.75	2
		1	7	20.86	20.69	20.71	2
		1	14	20.84	20.67	20.69	2
		8	0	20.89	20.72	20.74	3
		8	3	20.85	20.68	20.70	3
		8	7	20.83	20.66	20.68	3
		15	0	19.74	19.57	19.59	3

Band/BW	Modulation	RB Size	RB Offset	Low CH 26815	Mid CH 26915	High CH 27015	3GPP MPR (dB)
				Frequency 826.5 MHz	Frequency 836.5 MHz	Frequency 846.5 MHz	
26/5	QPSK	1	0	22.78	22.61	22.63	0
		1	12	22.75	22.58	22.60	0
		1	24	22.74	22.57	22.59	0
		12	0	21.65	21.48	21.50	1
		12	6	21.63	21.46	21.48	1
		12	13	21.64	21.47	21.49	1
		25	0	21.62	21.45	21.47	1
	16QAM	1	0	21.94	21.77	21.79	1
		1	12	21.88	21.71	21.73	1
		1	24	21.84	21.67	21.69	1
		12	0	20.70	20.53	20.55	2
		12	6	20.68	20.51	20.53	2
		12	13	20.64	20.47	20.49	2
		25	0	20.79	20.62	20.64	2
	64QAM	1	0	20.94	20.77	20.79	2
		1	12	20.90	20.73	20.75	2
		1	24	20.88	20.71	20.73	2
		12	0	20.93	20.76	20.78	3
		12	6	20.89	20.72	20.74	3
		12	13	20.87	20.70	20.72	3
		25	0	19.78	19.61	19.63	3

Band/BW	Modulation	RB Size	RB Offset	Low CH 26840	Mid CH 26915	High CH 26990	3GPP MPR (dB)
				Frequency 829 MHz	Frequency 836.5 MHz	Frequency 844 MHz	
26/10	QPSK	1	0	22.81	22.64	22.66	0
		1	24	22.78	22.61	22.63	0
		1	49	22.77	22.60	22.62	0
		25	0	21.68	21.51	21.53	1
		25	12	21.66	21.49	21.51	1
		25	25	21.67	21.50	21.52	1
		50	0	21.65	21.48	21.50	1
	16QAM	1	0	21.97	21.80	21.82	1
		1	24	21.91	21.74	21.76	1
		1	49	21.87	21.70	21.72	1
		25	0	20.73	20.56	20.58	2
		25	12	20.71	20.54	20.56	2
		25	25	20.67	20.50	20.52	2
		50	0	20.82	20.65	20.67	2
	64QAM	1	0	20.98	20.81	20.83	2
		1	24	20.94	20.77	20.79	2
		1	49	20.92	20.75	20.77	2
		25	0	20.97	20.80	20.82	3
		25	12	20.93	20.76	20.78	3
		25	25	20.91	20.74	20.76	3
		50	0	19.82	19.65	19.67	3

Band/BW	Modulation	RB Size	RB Offset	Low CH 26865	Mid CH 26915	High CH 26965	3GPP MPR (dB)
				Frequency 831.5 MHz	Frequency 836.5 MHz	Frequency 841.5 MHz	
26/15	QPSK	1	0	22.84	22.67	22.69	0
		1	24	22.81	22.64	22.66	0
		1	49	22.80	22.63	22.65	0
		25	0	21.71	21.54	21.56	1
		25	12	21.69	21.52	21.54	1
		25	25	21.70	21.53	21.55	1
		50	0	21.68	21.51	21.53	1
	16QAM	1	0	22.00	21.83	21.85	1
		1	24	21.94	21.77	21.79	1
		1	49	21.90	21.73	21.75	1
		25	0	20.76	20.59	20.61	2
		25	12	20.74	20.57	20.59	2
		25	25	20.70	20.53	20.55	2
		50	0	20.85	20.68	20.70	2
	64QAM	1	0	21.02	20.85	20.87	2
		1	24	20.98	20.81	20.83	2
		1	49	20.96	20.79	20.81	2
		25	0	19.78	19.61	19.63	3
		25	12	19.76	19.59	19.61	3
		25	25	19.73	19.56	19.58	3
		50	0	19.86	19.69	19.71	3

LTE Band 12							
BW	Modulation	RB Size	RB Offset	Low CH 23017	Mid CH 23095	High CH 23173	MPR
				Frequency 699.7 MHz	Frequency 707.5 MHz	Frequency 715.3 MHz	
1.4 MHz	QPSK	1	0	22.51	22.76	22.78	0
		1	2	22.47	22.72	22.74	0
		1	5	22.43	22.68	22.70	0
		3	0	22.49	22.74	22.76	0
		3	1	22.45	22.70	22.72	0
		3	3	22.41	22.66	22.68	0
		6	0	21.50	21.75	21.77	1
	16QAM	1	0	21.56	21.81	21.83	1
		1	2	21.54	21.79	21.81	1
		1	5	21.53	21.78	21.80	1
		3	0	21.55	21.80	21.82	1
		3	1	21.53	21.78	21.80	1
		3	3	21.52	21.77	21.79	1
		6	0	20.53	20.78	20.80	2
	64QAM	1	0	20.78	21.03	21.05	2
		1	2	20.75	21.00	21.02	2
		1	5	20.73	20.98	21.00	2
		3	0	20.77	21.02	21.04	3
		3	1	20.74	20.99	21.01	3
		3	3	20.72	20.97	20.99	3
		6	0	19.68	19.93	19.95	3

LTE Band 12							
BW	Modulation	RB Size	RB Offset	Low CH 23025	Mid CH 23095	High CH 23165	MPR
				Frequency 700.5 MHz	Frequency 707.5 MHz	Frequency 714.5 MHz	
3 MHz	QPSK	1	0	22.55	22.80	22.82	0
		1	7	22.51	22.76	22.78	0
		1	14	22.47	22.72	22.74	0
		8	0	21.45	21.70	21.72	1
		8	3	21.41	21.66	21.68	1
		8	7	21.39	21.64	21.66	1
		15	0	21.54	21.79	21.81	1
	16QAM	1	0	21.60	21.85	21.87	1
		1	7	21.58	21.83	21.85	1
		1	14	21.57	21.82	21.84	1
		8	0	20.50	20.75	20.77	2
		8	3	20.48	20.73	20.75	2
		8	7	20.47	20.72	20.74	2
		15	0	20.57	20.82	20.84	2
	64QAM	1	0	20.82	21.07	21.09	2
		1	7	20.79	21.04	21.06	2
		1	14	20.77	21.02	21.04	2
		8	0	19.73	19.98	20.00	3
		8	3	19.77	20.02	20.04	3
		8	7	19.70	19.95	19.97	3
		15	0	19.72	19.97	19.99	3

LTE Band 12							
BW	Modulation	RB Size	RB Offset	Low CH 23035	Mid CH 23095	High CH 23155	MPR
				Frequency 701.5 MHz	Frequency 707.5 MHz	Frequency 713.5 MHz	
5 MHz	QPSK	1	0	22.61	22.86	22.88	0
		1	12	22.57	22.82	22.84	0
		1	24	22.53	22.78	22.80	0
		12	0	21.51	21.76	21.78	1
		12	6	21.47	21.72	21.74	1
		12	13	21.45	21.70	21.72	1
		25	0	21.60	21.85	21.87	1
	16QAM	1	0	21.66	21.91	21.93	1
		1	12	21.64	21.89	21.91	1
		1	24	21.63	21.88	21.90	1
		12	0	20.56	20.81	20.83	2
		12	6	20.54	20.79	20.81	2
		12	13	20.53	20.78	20.80	2
		25	0	20.63	20.88	20.90	2
	64QAM	1	0	20.88	21.13	21.15	2
		1	12	20.85	21.10	21.12	2
		1	24	20.83	21.08	21.10	2
		12	0	19.79	20.04	20.06	3
		12	6	19.83	20.08	20.10	3
		12	13	19.76	20.01	20.03	3
		25	0	19.78	20.03	20.05	3

LTE Band 12							
BW	Modulation	RB Size	RB Offset	Low CH 23060	Mid CH 23095	High CH 23130	MPR
				Frequency 704 MHz	Frequency 707.5 MHz	Frequency 711 MHz	
10 MHz	QPSK	1	0	22.64	22.89	22.91	0
		1	24	22.60	22.85	22.87	0
		1	49	22.56	22.81	22.83	0
		25	0	21.54	21.79	21.81	1
		25	12	21.50	21.75	21.77	1
		25	25	21.48	21.73	21.75	1
		50	0	21.63	21.88	21.90	1
	16QAM	1	0	21.69	21.94	21.96	1
		1	24	21.67	21.92	21.94	1
		1	49	21.66	21.91	21.93	1
		25	0	20.59	20.84	20.86	2
		25	12	20.57	20.82	20.84	2
		25	25	20.56	20.81	20.83	2
		50	0	20.66	20.91	20.93	2
	64QAM	1	0	20.91	21.16	21.18	2
		1	24	20.88	21.13	21.15	2
		1	49	20.86	21.11	21.13	2
		25	0	19.82	20.07	20.09	3
		25	12	19.86	20.11	20.13	3
		25	25	19.79	20.04	20.06	3
		50	0	19.81	20.06	20.08	3

LTE Band 13							
BW	Modulation	RB Size	RB Offset	Low CH 23205	Mid CH 23230	High CH 23255	MPR
				Frequency 779.5 MHz	Frequency 782.0 MHz	Frequency 784.5 MHz	
5 MHz	QPSK	1	0	22.73	22.88	22.86	0
		1	12	22.89	23.04	23.02	0
		1	24	23.16	23.31	23.29	0
		12	0	21.91	22.06	22.04	1
		12	6	21.92	22.07	22.05	1
		12	13	22.03	22.18	22.16	1
		25	0	22.00	22.15	22.13	1
	16QAM	1	0	21.96	22.11	22.09	1
		1	12	22.03	22.18	22.16	1
		1	24	22.43	22.58	22.56	1
		12	0	20.99	21.14	21.12	2
		12	6	21.05	21.20	21.18	2
		12	13	21.09	21.24	21.22	2
		25	0	21.08	21.23	21.21	2
	64QAM	1	0	21.01	21.16	21.14	2
		1	12	21.13	21.28	21.26	2
		1	24	21.42	21.57	21.55	2
		12	0	19.99	20.14	20.12	3
		12	6	20.03	20.18	20.16	3
		12	13	20.12	20.27	20.25	3
		25	0	20.10	20.25	20.23	3

LTE Band 13							
BW	Modulation	RB Size	RB Offset	CH	CH 23230	CH	MPR
				Frequency MHz	Frequency 782.0 MHz	Frequency MHz	
10 MHz	QPSK	1	0	-	22.91	-	0
		1	24	-	23.07	-	0
		1	49	-	23.34	-	0
		25	0	-	22.09	-	1
		25	12	-	22.10	-	1
		25	25	-	22.21	-	1
		50	0	-	22.18	-	1
	16QAM	1	0	-	22.14	-	1
		1	24	-	22.21	-	1
		1	49	-	22.61	-	1
		25	0	-	21.17	-	2
		25	12	-	21.23	-	2
		25	25	-	21.27	-	2
		50	0	-	21.26	-	2
	64QAM	1	0	-	21.19	-	2
		1	24	-	21.31	-	2
		1	49	-	21.60	-	2
		25	0	-	20.17	-	3
		25	12	-	20.21	-	3
		25	25	-	20.30	-	3
		50	0	-	20.28	-	3

LTE Band 17							
BW	Modulation	RB Size	RB Offset	Low CH 23755	Mid CH 23790	High CH 23825	MPR
				Frequency 706.5 MHz	Frequency 710 MHz	Frequency 713.5 MHz	
5 MHz	QPSK	1	0	22.75	22.78	22.77	0
		1	12	22.90	22.93	22.92	0
		1	24	23.04	23.07	23.06	0
		12	0	21.77	21.80	21.79	1
		12	6	21.88	21.91	21.90	1
		12	13	21.92	21.95	21.94	1
		25	0	21.89	21.92	21.91	1
	16QAM	1	0	21.89	21.92	21.91	1
		1	12	22.08	22.11	22.10	1
		1	24	22.17	22.20	22.19	1
		12	0	20.87	20.90	20.89	2
		12	6	21.00	21.03	21.02	2
		12	13	21.04	21.07	21.06	2
		25	0	20.96	20.99	20.98	2
	64QAM	1	0	21.06	21.09	21.08	2
		1	24	21.11	21.14	21.13	2
		1	49	21.31	21.34	21.33	2
		25	0	19.96	19.99	19.98	3
		25	12	19.99	20.02	20.01	3
		25	25	20.04	20.07	20.06	3
		50	0	19.95	19.98	19.97	3

LTE Band 17							
BW	Modulation	RB Size	RB Offset	Low CH 23780	Mid CH 23790	High CH 23800	MPR
				Frequency 709 MHz	Frequency 710 MHz	Frequency 711 MHz	
10 MHz	QPSK	1	0	22.79	22.82	22.81	0
		1	24	22.94	22.97	22.96	0
		1	49	23.08	23.11	23.10	0
		25	0	21.81	21.84	21.83	1
		25	12	21.92	21.95	21.94	1
		25	25	21.96	21.99	21.98	1
		50	0	21.93	21.96	21.95	1
	16QAM	1	0	21.93	21.96	21.95	1
		1	24	22.12	22.15	22.14	1
		1	49	22.21	22.24	22.23	1
		25	0	20.91	20.94	20.93	2
		25	12	21.04	21.07	21.06	2
		25	25	21.08	21.11	21.10	2
		50	0	21.00	21.03	21.02	2
	64QAM	1	0	21.10	21.13	21.12	2
		1	24	21.15	21.18	21.17	2
		1	49	21.35	21.38	21.37	2
		25	0	20.00	20.03	20.02	3
		25	12	20.03	20.06	20.05	3
		25	25	20.08	20.11	20.10	3
		50	0	19.99	20.02	20.01	3

LTE Band 7							
BW	Modulation	RB Size	RB Offset	Low CH 20775	Mid CH 21100	High CH 21425	3GPP MPR (dB)
				Frequency 2502.5 MHz	Frequency 2535 MHz	Frequency 2567.5 MHz	
5MHz	QPSK	1	0	23.60	23.54	23.28	0
		1	12	23.41	23.35	23.09	0
		1	24	23.52	23.46	23.20	0
		12	0	22.51	22.45	22.19	1
		12	6	22.45	22.39	22.13	1
		12	13	22.47	22.41	22.15	1
		25	0	22.50	22.44	22.18	1
	16QAM	1	0	22.74	22.68	22.42	1
		1	12	22.62	22.56	22.30	1
		1	24	22.78	22.72	22.46	1
		12	0	21.56	21.50	21.24	2
		12	6	21.51	21.45	21.19	2
		12	13	21.37	21.31	21.05	2
		25	0	21.55	21.49	21.23	2
	64QAM	1	0	21.89	21.83	21.57	2
		1	12	21.71	21.65	21.39	2
		1	24	21.82	21.76	21.50	2
		12	0	20.56	20.50	20.24	3
		12	6	20.50	20.44	20.18	3
		12	13	20.48	20.42	20.16	3
		25	0	20.54	20.48	20.22	3

LTE Band 7							
BW	Modulation	RB Size	RB Offset	Low CH 20800	Mid CH 21100	High CH 21400	3GPP MPR (dB)
				Frequency 2505 MHz	Frequency 2535 MHz	Frequency 2565 MHz	
10MHz	QPSK	1	0	23.64	23.58	23.32	0
		1	24	23.45	23.39	23.13	0
		1	49	23.56	23.50	23.24	0
		25	0	22.55	22.49	22.23	1
		25	12	22.49	22.43	22.17	1
		25	25	22.51	22.45	22.19	1
		50	0	22.54	22.48	22.22	1
	16QAM	1	0	22.78	22.72	22.46	1
		1	24	22.66	22.60	22.34	1
		1	49	22.82	22.76	22.50	1
		25	0	21.60	21.54	21.28	2
		25	12	21.55	21.49	21.23	2
		25	25	21.41	21.35	21.09	2
		50	0	21.59	21.53	21.27	2
	64QAM	1	0	21.93	21.87	21.61	2
		1	24	21.75	21.69	21.43	2
		1	49	21.86	21.80	21.54	2
		25	0	20.60	20.54	20.28	3
		25	12	20.54	20.48	20.22	3
		25	25	20.52	20.46	20.20	3
		50	0	20.58	20.52	20.26	3

LTE Band 7							
BW	Modulation	RB Size	RB Offset	Low CH 20825	Mid CH 21100	High CH 21375	3GPP MPR (dB)
				Frequency 2507.5 MHz	Frequency 2535 MHz	Frequency 2562.5 MHz	
15MHz	QPSK	1	0	23.70	23.64	23.38	0
		1	37	23.51	23.45	23.19	0
		1	74	23.62	23.56	23.30	0
		36	0	22.61	22.55	22.29	1
		36	19	22.55	22.49	22.23	1
		36	39	22.57	22.51	22.25	1
		75	0	22.60	22.54	22.28	1
	16QAM	1	0	22.84	22.78	22.52	1
		1	37	22.72	22.66	22.40	1
		1	74	22.88	22.82	22.56	1
		36	0	21.66	21.60	21.34	2
		36	19	21.61	21.55	21.29	2
		36	39	21.47	21.41	21.15	2
		75	0	21.65	21.59	21.33	2
	64QAM	1	0	21.99	21.93	21.67	2
		1	37	21.81	21.75	21.49	2
		1	74	21.92	21.86	21.60	2
		36	0	20.66	20.60	20.34	3
		36	19	20.60	20.54	20.28	3
		36	39	20.58	20.52	20.26	3
		75	0	20.64	20.58	20.32	3

LTE Band 7							
BW	Modulation	RB Size	RB Offset	Low CH 20850	Mid CH 21100	High CH 21350	3GPP MPR (dB)
				Frequency 2510 MHz	Frequency 2535 MHz	Frequency 2560 MHz	
20MHz	QPSK	1	0	23.73	23.67	23.41	0
		1	50	23.54	23.48	23.22	0
		1	99	23.65	23.59	23.33	0
		50	0	22.64	22.58	22.32	1
		50	25	22.58	22.52	22.26	1
		50	50	22.60	22.54	22.28	1
		100	0	22.63	22.57	22.31	1
	16QAM	1	0	22.87	22.81	22.55	1
		1	50	22.75	22.69	22.43	1
		1	99	22.91	22.85	22.59	1
		50	0	21.69	21.63	21.37	2
		50	25	21.64	21.58	21.32	2
		50	50	21.50	21.44	21.18	2
		100	0	21.68	21.62	21.36	2
	64QAM	1	0	22.02	21.96	21.70	2
		1	50	21.84	21.78	21.52	2
		1	99	21.95	21.89	21.63	2
		50	0	20.69	20.63	20.37	3
		50	25	20.63	20.57	20.31	3
		50	50	20.61	20.55	20.29	3
		100	0	20.67	20.61	20.35	3

LTE Band 38							
BW	Modulation	RB Size	RB Offset	Low CH 37775	Mid CH 38000	High CH 38225	3GPP MPR (dB)
				Frequency 2572.5 MHz	Frequency 2595 MHz	Frequency 2617.5MHz	
5MHz	QPSK	1	0	22.98	22.82	22.77	0
		1	12	22.87	22.71	22.66	0
		1	24	22.95	22.79	22.74	0
		12	0	21.90	21.74	21.69	1
		12	6	21.89	21.73	21.68	1
		12	13	21.85	21.69	21.64	1
		25	0	21.87	21.71	21.66	1
	16QAM	1	0	21.99	21.83	21.78	1
		1	12	21.87	21.71	21.66	1
		1	24	21.83	21.67	21.62	1
		12	0	20.94	20.78	20.73	2
		12	6	20.92	20.76	20.71	2
		12	13	20.87	20.71	20.66	2
		25	0	20.92	20.76	20.71	2
	64QAM	1	0	21.14	20.98	20.93	2
		1	12	21.10	20.94	20.89	2
		1	24	21.07	20.91	20.86	2
		12	0	19.94	19.78	19.73	3
		12	6	19.93	19.77	19.72	3
		12	13	19.92	19.76	19.71	3
		25	0	19.91	19.75	19.70	3

LTE Band 38							
BW	Modulation	RB Size	RB Offset	Low CH 37800	Mid CH 38000	High CH 38200	3GPP MPR (dB)
				Frequency 2575 MHz	Frequency 2595 MHz	Frequency 2615 MHz	
10MHz	QPSK	1	0	23.02	22.86	22.81	0
		1	24	22.91	22.75	22.70	0
		1	49	22.99	22.83	22.78	0
		25	0	21.94	21.78	21.73	1
		25	12	21.93	21.77	21.72	1
		25	25	21.89	21.73	21.68	1
		50	0	21.91	21.75	21.70	1
	16QAM	1	0	22.03	21.87	21.82	1
		1	24	21.91	21.75	21.70	1
		1	49	21.87	21.71	21.66	1
		25	0	20.98	20.82	20.77	2
		25	12	20.96	20.80	20.75	2
		25	25	20.91	20.75	20.70	2
		50	0	20.96	20.80	20.75	2
	64QAM	1	0	21.18	21.02	20.97	2
		1	24	21.14	20.98	20.93	2
		1	49	21.11	20.95	20.90	2
		25	0	19.98	19.82	19.77	3
		25	12	19.97	19.81	19.76	3
		25	25	19.96	19.80	19.75	3
		50	0	19.95	19.79	19.74	3

LTE Band 38							
BW	Modulation	RB Size	RB Offset	Low CH 37825	Mid CH 38000	High CH 38175	3GPP MPR (dB)
				Frequency 2577.5 MHz	Frequency 2595 MHz	Frequency 2612.5MHz	
15MHz	QPSK	1	0	23.05	22.89	22.84	0
		1	37	22.94	22.78	22.73	0
		1	74	23.02	22.86	22.81	0
		36	0	21.97	21.81	21.76	1
		36	19	21.96	21.80	21.75	1
		36	39	21.92	21.76	21.71	1
		75	0	21.94	21.78	21.73	1
	16QAM	1	0	22.06	21.90	21.85	1
		1	37	21.94	21.78	21.73	1
		1	74	21.90	21.74	21.69	1
		36	0	21.01	20.85	20.80	2
		36	19	20.99	20.83	20.78	2
		36	39	20.94	20.78	20.73	2
		75	0	20.99	20.83	20.78	2
	64QAM	1	0	21.21	21.05	21.00	2
		1	37	21.17	21.01	20.96	2
		1	74	21.14	20.98	20.93	2
		36	0	20.01	19.85	19.80	3
		36	19	20.00	19.84	19.79	3
		36	39	19.99	19.83	19.78	3
		75	0	19.98	19.82	19.77	3

LTE Band 38							
BW	Modulation	RB Size	RB Offset	Low CH 37850	Mid CH 38000	High CH 38150	3GPP MPR (dB)
				Frequency 2580 MHz	Frequency 2595 MHz	Frequency 2610 MHz	
20MHz	QPSK	1	0	23.12	22.96	22.91	0
		1	50	23.01	22.85	22.80	0
		1	99	23.09	22.93	22.88	0
		50	0	22.04	21.88	21.83	1
		50	25	22.03	21.87	21.82	1
		50	50	21.99	21.83	21.78	1
		100	0	22.01	21.85	21.80	1
	16QAM	1	0	22.13	21.97	21.92	1
		1	50	22.01	21.85	21.80	1
		1	99	21.97	21.81	21.76	1
		50	0	21.08	20.92	20.87	2
		50	25	21.06	20.90	20.85	2
		50	50	21.01	20.85	20.80	2
		100	0	21.06	20.90	20.85	2
	64QAM	1	0	21.28	21.12	21.07	2
		1	50	21.24	21.08	21.03	2
		1	99	21.21	21.05	21.00	2
		50	0	20.08	19.92	19.87	3
		50	25	20.07	19.91	19.86	3
		50	50	20.06	19.90	19.85	3
		100	0	20.05	19.89	19.84	3

LTE Band 41									
BW	Modulation	RB Size	RB Offset	Low CH (39675)	Low CH (40148)	Mid CH (40620)	High CH (41093)	High CH (41565)	3GP P MPR (dB)
				Frequency (2498.5)MHz	Frequency (2545.8)MHz	Frequency (2593)MHz	Frequency (2640.3)MHz	Frequency (2687.5)MHz	
5MHz	QPSK	1	0	23.70	23.04	22.80	22.55	22.41	0
		1	12	23.59	22.93	22.69	22.44	22.30	0
		1	24	23.67	23.01	22.77	22.52	22.38	0
		12	0	22.61	21.95	21.71	21.46	21.32	1
		12	6	22.58	21.92	21.68	21.43	21.29	1
		12	13	22.56	21.90	21.66	21.41	21.27	1
		25	0	22.57	21.91	21.67	21.42	21.28	1
	16QAM	1	0	22.79	22.13	21.89	21.64	21.50	1
		1	12	22.71	22.05	21.81	21.56	21.42	1
		1	24	22.77	22.11	21.87	21.62	21.48	1
		12	0	21.64	20.98	20.74	20.49	20.35	2
		12	6	21.55	20.89	20.65	20.40	20.26	2
		12	13	21.61	20.95	20.71	20.46	20.32	2
		25	0	21.57	20.91	20.67	20.42	20.28	2
	64QAM	1	0	21.87	21.21	20.97	20.72	20.58	2
		1	12	21.82	21.16	20.92	20.67	20.53	2
		1	24	21.85	21.19	20.95	20.70	20.56	2
		12	0	20.59	19.93	19.69	19.44	19.30	3
		12	6	20.54	19.88	19.64	19.39	19.25	3
		12	13	20.56	19.90	19.66	19.41	19.27	3
		25	0	20.53	19.87	19.63	19.38	19.24	3

LTE Band 41									
BW	Modulation	RB Size	RB Offset	Low CH (39700)	Low CH (40160)	Mid CH (40620)	High CH (41080)	High CH (41540)	3GP P MPR (dB)
				Frequency (2501)MHz	Frequency (2547)MHz	Frequency (2593)MHz	Frequency (2639)MHz	Frequency (2685)MHz	
10MHz	QPSK	1	0	23.73	23.07	22.83	22.58	22.44	0
		1	24	23.62	22.96	22.72	22.47	22.33	0
		1	49	23.70	23.04	22.80	22.55	22.41	0
		25	0	22.64	21.98	21.74	21.49	21.35	1
		25	12	22.61	21.95	21.71	21.46	21.32	1
		25	25	22.59	21.93	21.69	21.44	21.30	1
		50	0	22.60	21.94	21.70	21.45	21.31	1
	16QAM	1	0	22.82	22.16	21.92	21.67	21.53	1
		1	24	22.74	22.08	21.84	21.59	21.45	1
		1	49	22.80	22.14	21.90	21.65	21.51	1
		25	0	21.67	21.01	20.77	20.52	20.38	2
		25	12	21.58	20.92	20.68	20.43	20.29	2
		25	25	21.64	20.98	20.74	20.49	20.35	2
		50	0	21.60	20.94	20.70	20.45	20.31	2
	64QAM	1	0	21.92	21.26	21.02	20.77	20.63	2
		1	24	21.87	21.21	20.97	20.72	20.58	2
		1	49	21.90	21.24	21.00	20.75	20.61	2
		25	0	20.64	19.98	19.74	19.49	19.35	3
		25	12	20.59	19.93	19.69	19.44	19.30	3
		25	25	20.61	19.95	19.71	19.46	19.32	3
		50	0	20.58	19.92	19.68	19.43	19.29	3

LTE Band 41									
BW	Modulation	RB Size	RB Offset	Low CH (39725)	Low CH (40173)	Mid CH (40620)	High CH (41068)	High CH (41515)	3GP P MPR (dB)
				Frequency (2503.5)MHz	Frequency (2548.3)MHz	Frequency (2593)MHz	Frequency (2637.8)MHz	Frequency (2682.5)MHz	
15MHz	QPSK	1	0	23.66	23.00	22.76	22.51	22.37	0
		1	37	23.74	23.08	22.84	22.59	22.45	0
		1	74	22.68	22.02	21.78	21.53	21.39	0
		36	0	22.65	21.99	21.75	21.50	21.36	1
		36	19	22.63	21.97	21.73	21.48	21.34	1
		36	39	22.64	21.98	21.74	21.49	21.35	1
		75	0	22.86	22.20	21.96	21.71	21.57	1
	16QAM	1	0	22.78	22.12	21.88	21.63	21.49	1
		1	37	22.84	22.18	21.94	21.69	21.55	1
		1	74	21.71	21.05	20.81	20.56	20.42	1
		36	0	21.62	20.96	20.72	20.47	20.33	2
		36	19	21.68	21.02	20.78	20.53	20.39	2
		36	39	21.64	20.98	20.74	20.49	20.35	2
		75	0	21.97	21.31	21.07	20.82	20.68	2
	64QAM	1	0	21.92	21.26	21.02	20.77	20.63	2
		1	37	21.95	21.29	21.05	20.80	20.66	2
		1	74	20.69	20.03	19.79	19.54	19.40	2
		36	0	20.64	19.98	19.74	19.49	19.35	3
		36	19	20.66	20.00	19.76	19.51	19.37	3
		36	39	20.63	19.97	19.73	19.48	19.34	3
		75	0	23.66	23.00	22.76	22.51	22.37	3

LTE Band 41									
BW	Modulation	RB Size	RB Offset	Low CH (39750)	Low CH (40185)	Mid CH (40620)	High CH (41055)	High CH (41490)	3GP P MPR (dB)
				Frequency (2506)MHz	Frequency (2549.5)MHz	Frequency (2593)MHz	Frequency (2636.5)MHz	Frequency (2680)MHz	
20MHz	QPSK	1	0	23.83	23.17	22.93	22.68	22.54	0
		1	50	23.72	23.06	22.82	22.57	22.43	0
		1	99	23.80	23.14	22.90	22.65	22.51	0
		50	0	22.74	22.08	21.84	21.59	21.45	1
		50	25	22.71	22.05	21.81	21.56	21.42	1
		50	50	22.69	22.03	21.79	21.54	21.40	1
		100	0	22.70	22.04	21.80	21.55	21.41	1
	16QAM	1	0	22.92	22.26	22.02	21.77	21.63	1
		1	50	22.84	22.18	21.94	21.69	21.55	1
		1	99	22.90	22.24	22.00	21.75	21.61	1
		50	0	21.77	21.11	20.87	20.62	20.48	2
		50	25	21.68	21.02	20.78	20.53	20.39	2
		50	50	21.74	21.08	20.84	20.59	20.45	2
		100	0	21.70	21.04	20.80	20.55	20.41	2
	64QAM	1	0	22.02	21.36	21.12	20.87	20.73	2
		1	50	21.97	21.31	21.07	20.82	20.68	2
		1	99	22.00	21.34	21.10	20.85	20.71	2
		50	0	20.74	20.08	19.84	19.59	19.45	3
		50	25	20.69	20.03	19.79	19.54	19.40	3
		50	50	20.71	20.05	19.81	19.56	19.42	3
		100	0	20.68	20.02	19.78	19.53	19.39	3

LTE Band 66							
BW	Modulation	RB Size	RB Offset	Low CH 131979	Mid CH 132322	High CH 132665	MPR
				Frequency 1710.7 MHz	Frequency 1745 MHz	Frequency 1779.3 MHz	
1.4MHz	QPSK	1	0	23.16	23.36	23.45	0
		1	2	23.11	23.31	23.40	0
		1	5	23.09	23.29	23.38	0
		3	0	23.15	23.35	23.44	0
		3	1	23.10	23.30	23.39	0
		3	3	23.08	23.28	23.37	0
		6	0	22.05	22.25	22.34	1
	16QAM	1	0	22.16	22.36	22.45	1
		1	2	22.12	22.32	22.41	1
		1	5	22.06	22.26	22.35	1
		3	0	22.14	22.34	22.43	1
		3	1	22.10	22.30	22.39	1
		3	3	22.04	22.24	22.33	1
		6	0	21.03	21.23	21.32	2
	64QAM	1	0	21.27	21.47	21.56	2
		1	2	21.22	21.42	21.51	2
		1	5	21.16	21.36	21.45	2
		3	0	21.25	21.45	21.54	3
		3	1	21.20	21.40	21.49	3
		3	3	21.14	21.34	21.43	3
		6	0	20.06	20.26	20.35	3

LTE Band 66							
BW	Modulation	RB Size	RB Offset	Low CH 131987	Mid CH 132322	High CH 132657	MPR
				Frequency 1711.5 MHz	Frequency 1745 MHz	Frequency 1778.5 MHz	
3 MHz	QPSK	1	0	23.19	23.39	23.48	0
		1	7	23.14	23.34	23.43	0
		1	14	23.12	23.32	23.41	0
		8	0	21.95	22.15	22.24	1
		8	3	21.92	22.12	22.21	1
		8	7	21.90	22.10	22.19	1
		15	0	22.08	22.28	22.37	1
	16QAM	1	0	22.19	22.39	22.48	1
		1	7	22.15	22.35	22.44	1
		1	14	22.09	22.29	22.38	1
		8	0	21.05	21.25	21.34	2
		8	3	21.01	21.21	21.30	2
		8	7	20.98	21.18	21.27	2
		15	0	21.06	21.26	21.35	2
	64QAM	1	0	21.30	21.50	21.59	2
		1	7	21.25	21.45	21.54	2
		1	14	21.19	21.39	21.48	2
		8	0	20.51	20.71	20.80	3
		8	3	20.48	20.68	20.77	3
		8	7	20.49	20.69	20.78	3
		15	0	20.09	20.29	20.38	3

LTE Band 66							
BW	Modulation	RB Size	RB Offset	Low CH 131997	Mid CH 132322	High CH 132647	MPR
				Frequency 1712.5 MHz	Frequency 1745 MHz	Frequency 1777.5 MHz	
5 MHz	QPSK	1	0	23.22	23.42	23.51	0
		1	12	23.17	23.37	23.46	0
		1	24	23.15	23.35	23.44	0
		12	0	21.98	22.18	22.27	1
		12	6	21.95	22.15	22.24	1
		12	13	21.93	22.13	22.22	1
		25	0	22.11	22.31	22.40	1
	16QAM	1	0	22.22	22.42	22.51	1
		1	12	22.18	22.38	22.47	1
		1	24	22.12	22.32	22.41	1
		12	0	21.08	21.28	21.37	2
		12	6	21.04	21.24	21.33	2
		12	13	21.01	21.21	21.30	2
		25	0	21.09	21.29	21.38	2
	64QAM	1	0	21.33	21.53	21.62	2
		1	12	21.28	21.48	21.57	2
		1	24	21.22	21.42	21.51	2
		12	0	20.54	20.74	20.83	3
		12	6	20.51	20.71	20.80	3
		12	13	20.52	20.72	20.81	3
		25	0	20.12	20.32	20.41	3

LTE Band 66							
BW	Modulation	RB Size	RB Offset	Low CH 132022	Mid CH 132322	High CH 132622	MPR
				Frequency 1715 MHz	Frequency 1745 MHz	Frequency 1775 MHz	
10 MHz	QPSK	1	0	23.24	23.44	23.53	0
		1	24	23.19	23.39	23.48	0
		1	49	23.17	23.37	23.46	0
		25	0	22.00	22.20	22.29	1
		25	12	21.97	22.17	22.26	1
		25	25	21.95	22.15	22.24	1
		50	0	22.13	22.33	22.42	1
	16QAM	1	0	22.24	22.44	22.53	1
		1	24	22.20	22.40	22.49	1
		1	49	22.14	22.34	22.43	1
		25	0	21.10	21.30	21.39	2
		25	12	21.06	21.26	21.35	2
		25	25	21.03	21.23	21.32	2
		50	0	21.11	21.31	21.40	2
	64QAM	1	0	21.35	21.55	21.64	2
		1	24	21.30	21.50	21.59	2
		1	49	21.24	21.44	21.53	2
		25	0	20.56	20.76	20.85	3
		25	12	20.53	20.73	20.82	3
		25	25	20.54	20.74	20.83	3
		50	0	20.14	20.34	20.43	3

LTE Band 66							
BW	Modulation	RB Size	RB Offset	Low CH 132047	Mid CH 132322	High CH 132597	MPR
				Frequency 1717.5 MHz	Frequency 1745 MHz	Frequency 1772.5 MHz	
15 MHz	QPSK	1	0	23.27	23.47	23.56	0
		1	37	23.22	23.42	23.51	0
		1	74	23.20	23.40	23.49	0
		36	0	22.03	22.23	22.32	1
		36	19	22.00	22.20	22.29	1
		36	39	21.98	22.18	22.27	1
		75	0	22.16	22.36	22.45	1
	16QAM	1	0	22.27	22.47	22.56	1
		1	37	22.23	22.43	22.52	1
		1	74	22.17	22.37	22.46	1
		36	0	21.13	21.33	21.42	2
		36	19	21.09	21.29	21.38	2
		36	39	21.06	21.26	21.35	2
		75	0	21.14	21.34	21.43	2
	64QAM	1	0	21.38	21.58	21.67	2
		1	37	21.33	21.53	21.62	2
		1	74	21.27	21.47	21.56	2
		36	0	20.59	20.79	20.88	3
		36	19	20.56	20.76	20.85	3
		36	39	20.57	20.77	20.86	3
		75	0	20.17	20.37	20.46	3

LTE Band 66							
BW	Modulation	RB Size	RB Offset	Low CH 132072	Mid CH 132322	High CH 132572	MPR
				Frequency 1720 MHz	Frequency 1745 MHz	Frequency 1770 MHz	
20 MHz	QPSK	1	0	23.32	23.52	23.61	0
		1	50	23.27	23.47	23.56	0
		1	99	23.25	23.45	23.54	0
		50	0	22.08	22.28	22.37	1
		50	25	22.05	22.25	22.34	1
		50	50	22.03	22.23	22.32	1
		100	0	22.21	22.41	22.50	1
	16QAM	1	0	22.32	22.52	22.61	1
		1	50	22.28	22.48	22.57	1
		1	99	22.22	22.42	22.51	1
		50	0	21.18	21.38	21.47	2
		50	25	21.14	21.34	21.43	2
		50	50	21.11	21.31	21.40	2
		100	0	21.19	21.39	21.48	2
	64QAM	1	0	21.43	21.63	21.72	2
		1	50	21.38	21.58	21.67	2
		1	99	21.32	21.52	21.61	2
		50	0	20.64	20.84	20.93	3
		50	25	20.61	20.81	20.90	3
		50	50	20.62	20.82	20.91	3
		100	0	20.22	20.42	20.51	3

LTE Band 30							
BW	Modulation	RB Size	RB Offset	Low CH 27685	Mid CH 27710	High CH 27735	MPR
				Frequency 2307.5 MHz	Frequency 2310.0 MHz	Frequency 2312.5 MHz	
5 MHz	QPSK	1	0	22.38	22.40	22.36	0
		1	12	22.28	22.30	22.26	0
		1	24	22.13	22.15	22.11	0
		12	0	21.37	21.39	21.35	1
		12	6	21.29	21.31	21.27	1
		12	13	21.43	21.45	21.41	1
		25	0	21.24	21.26	21.22	1
	16QAM	1	0	21.63	21.65	21.61	1
		1	12	21.46	21.48	21.44	1
		1	24	21.28	21.30	21.26	1
		12	0	20.33	20.35	20.31	2
		12	6	20.28	20.30	20.26	2
		12	13	20.26	20.28	20.24	2
		25	0	20.23	20.25	20.21	2
	64QAM	1	0	20.56	20.58	20.54	2
		1	12	20.52	20.54	20.50	2
		1	24	20.47	20.49	20.45	2
		12	0	19.44	19.46	19.42	3
		12	6	19.41	19.43	19.39	3
		12	13	19.39	19.41	19.37	3
		25	0	19.34	19.36	19.32	3

LTE Band 30							
BW	Modulation	RB Size	RB Offset	CH	CH 27710	CH	MPR
				Frequency MHz	Frequency 2310.0 MHz	Frequency MHz	
10 MHz	QPSK	1	0	-	22.43	-	0
		1	24	-	22.33	-	0
		1	49	-	22.18	-	0
		25	0	-	21.42	-	1
		25	12	-	21.34	-	1
		25	25	-	21.48	-	1
		50	0	-	21.29	-	1
	16QAM	1	0	-	21.68	-	1
		1	24	-	21.51	-	1
		1	49	-	21.33	-	1
		25	0	-	20.38	-	2
		25	12	-	20.33	-	2
		25	25	-	20.31	-	2
		50	0	-	20.28	-	2
	64QAM	1	0	-	20.61	-	2
		1	24	-	20.57	-	2
		1	49	-	20.52	-	2
		25	0	-	19.49	-	3
		25	12	-	19.46	-	3
		25	25	-	19.44	-	3
		50	0	-	19.39	-	3

LTE Band 14							
BW	Modulation	RB Size	RB Offset	Low CH 23305	Mid CH 23330	High CH 23355	MPR
				Frequency 790.5 MHz	Frequency 793 MHz	Frequency 795.5 MHz	
5 MHz	QPSK	1	0	23.03	23.08	23.05	0
		1	12	23.07	23.12	23.09	0
		1	24	23.17	23.22	23.19	0
		12	0	22.07	22.12	22.09	1
		12	6	22.12	22.17	22.14	1
		12	13	22.25	22.30	22.27	1
		25	0	22.13	22.18	22.15	1
	16QAM	1	0	22.21	22.26	22.23	1
		1	12	22.27	22.32	22.29	1
		1	24	22.36	22.41	22.38	1
		12	0	21.17	21.22	21.19	2
		12	6	21.18	21.23	21.20	2
		12	13	21.31	21.36	21.33	2
		25	0	21.21	21.26	21.23	2
	64QAM	1	0	21.27	21.32	21.29	2
		1	12	21.32	21.37	21.34	2
		1	24	21.43	21.48	21.45	2
		12	0	20.13	20.18	20.15	3
		12	6	20.17	20.22	20.19	3
		12	13	20.29	20.34	20.31	3
		25	0	20.18	20.23	20.20	3

LTE Band 14							
BW	Modulation	RB Size	RB Offset	CH	CH 23330	CH	MPR
				Frequency MHz	Frequency 793 MHz	Frequency MHz	
10 MHz	QPSK	1	0	-	23.13	-	0
		1	24	-	23.17	-	0
		1	49	-	23.27	-	0
		25	0	-	22.17	-	1
		25	12	-	22.22	-	1
		25	25	-	22.35	-	1
		50	0	-	22.23	-	1
	16QAM	1	0	-	22.31	-	1
		1	24	-	22.37	-	1
		1	49	-	22.46	-	1
		25	0	-	21.27	-	2
		25	12	-	21.28	-	2
		25	25	-	21.41	-	2
		50	0	-	21.31	-	2
	64QAM	1	0	-	21.37	-	2
		1	24	-	21.42	-	2
		1	49	-	21.53	-	2
		25	0	-	20.23	-	3
		25	12	-	20.27	-	3
		25	25	-	20.39	-	3
		50	0	-	20.28	-	3

LTE Band 26							
BW	Modulation	RB Size	RB Offset	Low CHG 26697	Mid CH 26740	High CH 26783	MPR
				Frequency 814.7 MHz	Frequency 819 MHz	Frequency 823.3 MHz	
1.4 MHz	QPSK	1	0	22.91	22.95	22.94	0
		1	2	22.89	22.93	22.92	0
		1	5	22.86	22.90	22.89	0
		3	0	22.89	22.93	22.92	0
		3	1	22.87	22.91	22.90	0
		3	3	22.84	22.88	22.87	0
		6	0	21.85	21.89	21.88	1
	16QAM	1	0	22.03	22.07	22.06	1
		1	2	22.01	22.05	22.04	1
		1	5	21.99	22.03	22.02	1
		3	0	22.02	22.06	22.05	1
		3	1	22.00	22.04	22.03	1
		3	3	21.98	22.02	22.01	1
		6	0	20.90	20.94	20.93	2
	64QAM	1	0	21.01	21.05	21.04	2
		1	2	20.99	21.03	21.02	2
		1	5	20.98	21.02	21.01	2
		3	0	21.00	21.04	21.03	3
		3	1	20.98	21.02	21.01	3
		3	3	20.97	21.01	21.00	3
		6	0	19.89	19.93	19.92	3

LTE Band 26							
BW	Modulation	RB Size	RB Offset	Low CHG 26705	Mid CH 26740	High CH 26775	MPR
				Frequency 815.5 MHz	Frequency 819 MHz	Frequency 822.5 MHz	
3 MHz	QPSK	1	0	22.95	22.99	22.98	0
		1	7	22.93	22.97	22.96	0
		1	14	22.90	22.94	22.93	0
		8	0	21.94	21.98	21.97	1
		8	3	21.93	21.97	21.96	1
		8	7	21.89	21.93	21.92	1
		15	0	21.89	21.93	21.92	1
	16QAM	1	0	22.07	22.11	22.10	1
		1	7	22.05	22.09	22.08	1
		1	14	22.03	22.07	22.06	1
		8	0	20.97	21.01	21.00	2
		8	3	20.95	20.99	20.98	2
		8	7	20.93	20.97	20.96	2
		15	0	20.94	20.98	20.97	2
	64QAM	1	0	21.05	21.09	21.08	2
		1	7	21.03	21.07	21.06	2
		1	14	21.02	21.06	21.05	2
		8	0	21.04	21.08	21.07	3
		8	3	21.02	21.06	21.05	3
		8	7	21.01	21.05	21.04	3
		15	0	19.93	19.97	19.96	3

LTE Band 26							
BW	Modulation	RB Size	RB Offset	Low CHG 26715	Mid CH 26740	High CH 26765	MPR
				Frequency 816.5 MHz	Frequency 819 MHz	Frequency 821.5 MHz	
5 MHz	QPSK	1	0	22.98	23.02	23.01	0
		1	12	22.96	23.00	22.99	0
		1	24	22.93	22.97	22.96	0
		12	0	21.97	22.01	22.00	1
		12	6	21.96	22.00	21.99	1
		12	13	21.92	21.96	21.95	1
		25	0	21.92	21.96	21.95	1
	16QAM	1	0	22.10	22.14	22.13	1
		1	12	22.08	22.12	22.11	1
		1	24	22.06	22.10	22.09	1
		12	0	21.00	21.04	21.03	2
		12	6	20.98	21.02	21.01	2
		12	13	20.96	21.00	20.99	2
		25	0	20.97	21.01	21.00	2
	64QAM	1	0	21.09	21.13	21.12	2
		1	12	21.07	21.11	21.10	2
		1	24	21.06	21.10	21.09	2
		12	0	20.03	20.07	20.06	3
		12	6	20.00	20.04	20.03	3
		12	13	20.01	20.05	20.04	3
		25	0	19.97	20.01	20.00	3

LTE Band 26							
BW	Modulation	RB Size	RB Offset	CH	CH 26740	CH	MPR
				Frequency MHz	Frequency 819 MHz	Frequency MHz	
10 MHz	QPSK	1	0	-	23.03	-	0
		1	24	-	23.01	-	0
		1	49	-	22.98	-	0
		25	0	-	22.02	-	1
		25	12	-	22.01	-	1
		25	25	-	21.97	-	1
		50	0	-	21.97	-	1
	16QAM	1	0	-	22.15	-	1
		1	24	-	22.13	-	1
		1	49	-	22.11	-	1
		25	0	-	21.05	-	2
		25	12	-	21.03	-	2
		25	25	-	21.01	-	2
		50	0	-	21.02	-	2
	64QAM	1	0	-	21.14	-	2
		1	24	-	21.12	-	2
		1	49	-	21.11	-	2
		25	0	-	20.08	-	3
		25	12	-	20.05	-	3
		25	25	-	20.06	-	3
		50	0	-	20.02	-	3

LTE Band 25							
BW	Modulation	RB Size	RB Offset	Low CH 26047	Mid CH 26340	High CH 26683	3GPP MPR (dB)
				Frequency 1850.7 MHz	Frequency 1880 MHz	Frequency 1914.3 MHz	
1.4MHz	QPSK	1	0	23.22	23.15	22.98	0
		1	2	22.96	22.89	22.72	0
		1	5	22.90	22.83	22.66	0
		3	0	22.16	22.09	21.92	1
		3	1	21.99	21.92	21.75	1
		3	3	22.00	21.93	21.76	1
		6	0	22.05	21.98	21.81	1
	16QAM	1	0	22.35	22.28	22.11	1
		1	2	22.23	22.16	21.99	1
		1	5	22.19	22.12	21.95	1
		3	0	21.16	21.09	20.92	2
		3	1	21.14	21.07	20.90	2
		3	3	21.12	21.05	20.88	2
		6	0	21.05	20.98	20.81	2
	64QAM	1	0	21.34	21.27	21.10	1
		1	2	21.22	21.15	20.98	1
		1	5	21.19	21.12	20.95	1
		3	0	21.32	21.25	21.08	2
		3	1	21.20	21.13	20.96	2
		3	3	21.17	21.10	20.93	2
		6	0	20.02	19.95	19.78	2

LTE Band 25							
BW	Modulation	RB Size	RB Offset	Low CH 26055	Mid CH 26340	High CH 26675	3GPP MPR (dB)
				Frequency 1851.5 MHz	Frequency 1880 MHz	Frequency 1913.5 MHz	
3MHz	QPSK	1	0	23.25	23.18	23.01	0
		1	7	22.99	22.92	22.75	0
		1	14	22.93	22.86	22.69	0
		8	0	22.17	22.10	21.93	1
		8	3	22.00	21.93	21.76	1
		8	7	22.01	21.94	21.77	1
		15	0	22.06	21.99	21.82	1
	16QAM	1	0	22.38	22.31	22.14	1
		1	7	22.26	22.19	22.02	1
		1	14	22.22	22.15	21.98	1
		8	0	21.18	21.11	20.94	2
		8	3	21.16	21.09	20.92	2
		8	7	21.14	21.07	20.90	2
		15	0	21.07	21.00	20.83	2
	64QAM	1	0	21.37	21.30	21.13	1
		1	7	21.25	21.18	21.01	1
		1	14	21.22	21.15	20.98	1
		8	0	20.20	20.13	19.96	2
		8	3	20.17	20.10	19.93	2
		8	7	20.15	20.08	19.91	2
		15	0	20.05	19.98	19.81	2

LTE Band 25							
BW	Modulation	RB Size	RB Offset	Low CH 26065	Mid CH 26340	High CH 26665	3GPP MPR (dB)
				Frequency 1852.5 MHz	Frequency 1880 MHz	Frequency 1912.5 MHz	
5MHz	QPSK	1	0	23.28	23.21	23.04	0
		1	12	23.02	22.95	22.78	0
		1	24	22.96	22.89	22.72	0
		12	0	22.20	22.13	21.96	1
		12	6	22.03	21.96	21.79	1
		12	13	22.04	21.97	21.80	1
		25	0	22.09	22.02	21.85	1
	16QAM	1	0	22.41	22.34	22.17	1
		1	12	22.29	22.22	22.05	1
		1	24	22.25	22.18	22.01	1
		12	0	21.21	21.14	20.97	2
		12	6	21.19	21.12	20.95	2
		12	13	21.17	21.10	20.93	2
		25	0	21.10	21.03	20.86	2
	64QAM	1	0	21.40	21.33	21.16	1
		1	12	21.28	21.21	21.04	1
		1	24	21.25	21.18	21.01	1
		12	0	20.23	20.16	19.99	2
		12	6	20.20	20.13	19.96	2
		12	13	20.18	20.11	19.94	2
		25	0	20.08	20.01	19.84	2

LTE Band 25							
BW	Modulation	RB Size	RB Offset	Low CH 26090	Mid CH 26340	High CH 26640	3GPP MPR (dB)
				Frequency 1855 MHz	Frequency 1880 MHz	Frequency 1910 MHz	
10MHz	QPSK	1	0	23.30	23.23	23.06	0
		1	24	23.04	22.97	22.80	0
		1	49	22.98	22.91	22.74	0
		25	0	22.22	22.15	21.98	1
		25	12	22.05	21.98	21.81	1
		25	25	22.06	21.99	21.82	1
		50	0	22.11	22.04	21.87	1
	16QAM	1	0	22.43	22.36	22.19	1
		1	24	22.31	22.24	22.07	1
		1	49	22.27	22.20	22.03	1
		25	0	21.23	21.16	20.99	2
		25	12	21.21	21.14	20.97	2
		25	25	21.19	21.12	20.95	2
		50	0	21.12	21.05	20.88	2
	64QAM	1	0	21.42	21.35	21.18	1
		1	24	21.30	21.23	21.06	1
		1	49	21.27	21.20	21.03	1
		25	0	20.25	20.18	20.01	2
		25	12	20.22	20.15	19.98	2
		25	25	20.20	20.13	19.96	2
		50	0	20.10	20.03	19.86	2

LTE Band 25							
BW	Modulation	RB Size	RB Offset	Low CH 26115	Mid CH 26340	High CH 26615	3GPP MPR (dB)
				Frequency 1857.5 MHz	Frequency 1880 MHz	Frequency 1907.5 MHz	
15MHz	QPSK	1	0	23.33	23.26	23.09	0
		1	37	23.07	23.00	22.83	0
		1	74	23.01	22.94	22.77	0
		36	0	22.25	22.18	22.01	1
		36	19	22.08	22.01	21.84	1
		36	39	22.09	22.02	21.85	1
		75	0	22.14	22.07	21.90	1
	16QAM	1	0	22.46	22.39	22.22	1
		1	37	22.34	22.27	22.10	1
		1	74	22.30	22.23	22.06	1
		36	0	21.26	21.19	21.02	2
		36	19	21.24	21.17	21.00	2
		36	39	21.22	21.15	20.98	2
		75	0	21.15	21.08	20.91	2
	64QAM	1	0	21.45	21.38	21.21	1
		1	37	21.33	21.26	21.09	1
		1	74	21.30	21.23	21.06	1
		36	0	20.28	20.21	20.04	2
		36	19	20.25	20.18	20.01	2
		36	39	20.23	20.16	19.99	2
		75	0	20.13	20.06	19.89	2

LTE Band 25							
BW	Modulation	RB Size	RB Offset	Low CH 26140	Mid CH 26340	High CH 26590	3GPP MPR (dB)
				Frequency 1860 MHz	Frequency 1880 MHz	Frequency 1905 MHz	
20MHz	QPSK	1	0	23.38	23.31	23.14	0
		1	50	23.12	23.05	22.88	0
		1	99	23.06	22.99	22.82	0
		50	0	22.30	22.23	22.06	1
		50	25	22.13	22.06	21.89	1
		50	50	22.14	22.07	21.90	1
		100	0	22.19	22.12	21.95	1
	16QAM	1	0	22.51	22.44	22.27	1
		1	50	22.39	22.32	22.15	1
		1	99	22.35	22.28	22.11	1
		50	0	21.31	21.24	21.07	2
		50	25	21.29	21.22	21.05	2
		50	50	21.27	21.20	21.03	2
		100	0	21.20	21.13	20.96	2
	64QAM	1	0	21.50	21.43	21.26	1
		1	50	21.38	21.31	21.14	1
		1	99	21.35	21.28	21.11	1
		50	0	20.33	20.26	20.09	2
		50	25	20.30	20.23	20.06	2
		50	50	20.28	20.21	20.04	2
		100	0	20.18	20.11	19.94	2

3.5 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

TUNE-UP POWER TABLE

Band	Frequency (MHz)	Operating Mode	Tune-Up Power And Tolerance (dBm)
WCDMA II	1880	RMC12.2K	23.5 ± 1
WCDMA IV	1732.6	RMC12.2K	23.5 ± 1
WCDMA V	826.4	RMC12.2K	23.5 ± 1
LTE 2	1860	QPSK	23.0 ± 1
LTE 4	1732.5	QPSK	23.0 ± 1
LTE 5	829	QPSK	23.0+2/-1
LTE 7	2510	QPSK	23.0 ± 1
LTE 12	711	QPSK	23.0 ± 1
LTE 13	782	QPSK	23.0 ± 1
LTE 14	793	QPSK	23.0 ± 1
LTE 17	710	QPSK	23.0 ± 1
LTE 25	1860	QPSK	23.0 ± 1
LTE 26	819	QPSK	23.0+2/-1
LTE 30	2310	QPSK	23.0 ± 1
LTE 38	2580	QPSK	23.0 ± 1
LTE 41	2506	QPSK	23.0 ± 1
LTE 66	1770	QPSK	23.0 ± 1

WCDMA

Band	Frequency (MHz)	Operating Mode	Antenna Gain (dBi)	Tune-up Power (dBm)	E.I.R.P Power (mW)	Power Density (mW/cm ²)	limit (mW/cm ²)	PASS / FAIL
WCDMA II	1880	RMC12.2K	5	24.5	891.251	0.177	1.00	PASS
WCDMA IV	1732.6	RMC12.2K	5	24.5	891.251	0.177	1.00	PASS
WCDMA V	826.4	RMC12.2K	3	24.5	562.341	0.112	0.55	PASS

LTE

Band	Frequency (MHz)	Operating Mode	Antenna Gain (dBi)	Tune-up Power (dBm)	E.I.R.P Power (mW)	Power Density (mW/cm ²)	limit (mW/cm ²)	PASS / FAIL
LTE 2	1860	QPSK	5	24.0	794.328	0.158	1.00	PASS
LTE 4	1732.5	QPSK	5	24.0	794.328	0.158	1.00	PASS
LTE 5	829	QPSK	3	25.0	630.957	0.126	0.55	PASS
LTE 7	2510	QPSK	5	24.0	794.328	0.158	1.00	PASS
LTE 12	711	QPSK	3	24.0	501.187	0.100	0.47	PASS
LTE 13	782	QPSK	3	24.0	501.187	0.100	0.52	PASS
LTE 14	793	QPSK	4	24.0	630.957	0.126	0.53	PASS
LTE 17	710	QPSK	3	24.0	501.187	0.100	0.47	PASS
LTE 25	1860	QPSK	5	24.0	794.328	0.158	1.00	PASS
LTE 26	819	QPSK	3	25.0	630.957	0.126	0.55	PASS
LTE 30	2310	QPSK	3	24.0	501.187	0.100	1.00	PASS
LTE 38	2580	QPSK	5	24.0	794.328	0.158	1.00	PASS
LTE 41	2506	QPSK	5	24.0	794.328	0.158	1.00	PASS
LTE 66	1770	QPSK	5	24.0	794.328	0.158	1.00	PASS

--END--