



FCC RF Test Report

APPLICANT : Telit Wireless Solutions Co., Ltd.
EQUIPMENT : LM940
BRAND NAME : TELIT
MODEL NAME : LM940
FCC ID : RI7LM940
STANDARD : 47 CFR Part 2, 22(H), 24(E), 27
CLASSIFICATION : PCS Licensed Transmitter (PCB)

The product was received on May 02, 2017 and completely tested on Jul. 04, 2017. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA / EIA-603-D-2010 and the testing has shown the tested sample to be in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Reviewed by: Joseph Lin / Supervisor

Approved by: Jones Tsai / Manager



SPORTON INTERNATIONAL INC.

No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C.



TABLE OF CONTENTS

REVISION HISTORY.....	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	6
1.1 Applicant	6
1.2 Manufacturer	6
1.3 Product Feature of Equipment Under Test.....	6
1.4 Modification of EUT	6
1.5 Testing Location	7
1.6 Applicable Standards.....	7
2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST	8
2.1 Test Mode	8
2.2 Connection Diagram of Test System.....	12
2.3 Support Unit used in test configuration and system	12
2.4 Measurement Results Explanation Example	13
2.5 Frequency List of Low/Middle/High Channels	14
3 CONDUCTED TEST ITEMS	20
3.1 Measuring Instruments	20
3.2 Test Setup	20
3.3 Test Result of Conducted Test	20
3.4 Conducted Output Power and ERP/EIRP	21
3.5 Peak-to-Average Ratio	22
3.6 Occupied Bandwidth	23
3.7 Conducted Band Edge	24
3.8 Conducted Spurious Emission	26
3.9 Frequency Stability	27
4 RADIATED TEST ITEMS	28
4.1 Measuring Instruments	28
4.2 Test Setup	28
4.3 Test Result of Radiated Test	28
4.4 Radiated Spurious Emission	29
5 LIST OF MEASURING EQUIPMENT	30
6 UNCERTAINTY OF EVALUATION	31
APPENDIX A. TEST RESULTS OF CONDUCTED TEST	
APPENDIX B. TEST RESULTS OF RADIATED TEST	
APPENDIX C. TEST SETUP PHOTOGRAPHS	



REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG750208B	Rev. 01	Initial issue of report	Jul. 14, 2017

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	Reporting Only	PASS	-
	§22.913(a)(2)	Effective Radiated Power (Band 5) (Band 26)	ERP < 7 Watt		
	§27.50(b)(10) §27.50(c)(10)	Effective Radiated Power (Band 12) (Band 13) (Band 17)	ERP < 3 Watt		
	§24.232(c) §27.50(h)(2)	Equivalent Isotropic Radiated Power (Band 2)(Band 25) (Band 7) (Band 38) (Band 41)	EIRP < 2Watt		
	§27.50(d)(4)	Equivalent Isotropic Radiated Power (Band 4) (Band 66)	EIRP < 1Watt		
3.5	§24.232(d)	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	Reporting Only	PASS	-
3.7	§2.1051 §22.917(a) §24.238(a) §27.53(c)(2)(4) §27.53(g) §27.53(h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66)	< 43+10log ₁₀ (P[Watts])	PASS	-
	§27.53(m)(4)	Conducted Band Edge Measurement (Band 7) (Band 38) (Band 41)	§27.53(m)(4)		
3.8	§2.1051 §22.917(a) §24.238(a) §27.53(c)(2) §27.53(g) §27.53(h)	Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66)	< 43+10log ₁₀ (P[Watts])	PASS	-
	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (Band 7) (Band 38) (Band 41)	< 55+10log ₁₀ (P[Watts])		
3.9	§2.1055 §22.355	Frequency Stability Temperature & Voltage	< 2.5 ppm for Part 22	PASS	-
	§2.1055 §24.235 §27.54		Within Authorized Band		



Report Section	FCC Rule	Description	Limit	Result	Remark
4.4	§2.1053 §22.917(a) §24.238(a) §27.53(c)(2) §27.53(f) §27.53(g) §27.53(h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 66)	$< 43 + 10\log_{10}(P[\text{Watts}])$	PASS	Under limit 1.93 dB at 12504.000 MHz
	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (Band 7)(Band 41)	$< 55 + 10\log_{10}(P[\text{Watts}])$		



1 General Description

1.1 Applicant

Telit Wireless Solutions Co., Ltd.

13th Fl. Shinyoung Securities Bldg., 6, Gukjegeumyung-ro 8-gil, Seoul, 07330, South Korea

1.2 Manufacturer

Telit Wireless Solutions Co., Ltd.

13th Fl. Shinyoung Securities Bldg., 6, Gukjegeumyung-ro 8-gil, Seoul, 07330, South Korea

1.3 Product Feature of Equipment Under Test

WCDMA/LTE, and GPS.

Product Specification subjective to this standard	
Antenna Type	WWAN: Fixed External Antenna GPS / Glonass : Passive or Active Patch Antenna

1.4 Modification of EUT

No modifications are made to the EUT during all test items.

1.5 Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW0007 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

Test Site	SPORTON INTERNATIONAL INC.
Test Site Location	No. 52, Hwa Ya 1 st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C. TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No.
	TH05-HY

Test Site	SPORTON INTERNATIONAL INC.
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd Rd. Guishan Dist, Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No.
	03CH13-HY

1.6 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR Part 2, 22(H), 24(E), 27
- ♦ ANSI / TIA / EIA-603-D-2010
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v02r02
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



2 Test Configuration of Equipment Under Test

2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v02r02 with maximum output power.

Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Max. Output Power	2	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
	4	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
	5	✓	✓	✓	✓	-	-	✓	✓		✓	✓	✓	✓	✓	✓
	7	-	-	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
	12	✓	✓	✓	✓	-	-	✓	✓		✓	✓	✓	✓	✓	✓
	13	-	-	✓	✓	-	-	✓	✓		✓	✓	✓	✓	✓	✓
	17	-	-	✓	✓	-	-	✓	✓		✓	✓	✓	✓	✓	✓
	25	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
	26	✓	✓	✓	✓	✓	-	✓	✓		✓	✓	✓	✓	✓	✓
	38	-	-	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
	41	-	-	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
	66	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
Peak-to-Average Ratio	2						✓	✓	✓		✓		✓	✓	✓	✓
	4						✓	✓	✓		✓		✓	✓	✓	✓
	5				✓	-	-	✓	✓		✓		✓	✓	✓	✓
	7	-	-				✓	✓	✓		✓		✓	✓	✓	✓
	12				✓	-	-	✓	✓		✓		✓	✓	✓	✓
	13	-	-		✓	-	-	✓	✓		✓		✓	✓	✓	✓
	17	-	-		✓	-	-	✓	✓		✓		✓	✓	✓	✓
	25						✓	✓	✓		✓		✓	✓	✓	✓
	26					✓	-	✓	✓		✓		✓	✓	✓	✓
	38	-	-				✓	✓	✓		✓		✓	✓	✓	✓
	41	-	-				✓	✓	✓		✓		✓	✓	✓	✓
	66						✓	✓	✓		✓		✓	✓	✓	✓



Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
26dB and 99% Bandwidth	2	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓
	4	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓
	5	✓	✓	✓	✓	-	-	✓	✓	✓			✓	✓	✓	✓
	7	-	-	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓
	12	✓	✓	✓	✓	-	-	✓	✓	✓			✓	✓	✓	✓
	13	-	-	✓	✓	-	-	✓	✓	✓			✓	✓	✓	✓
	17	-	-	✓	✓	-	-	✓	✓	✓			✓	✓	✓	✓
	25	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓
	26	✓	✓	✓	✓	✓	-	✓	✓	✓			✓	✓	✓	✓
	38	-	-	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓
	41	-	-	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓
	66	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓
Conducted Band Edge	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓
	4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓
	5	✓	✓	✓	✓	-	-	✓	✓	✓	✓		✓	✓		✓
	7	-	-	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓
	12	✓	✓	✓	✓	-	-	✓	✓	✓	✓		✓	✓		✓
	13	-	-	✓	✓	-	-	✓	✓	✓	✓		✓	✓		✓
	17	-	-	✓	✓	-	-	✓	✓	✓	✓		✓	✓		✓
	25	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓
	26	✓	✓	✓	✓	✓	-	✓	✓	✓	✓		✓	✓		✓
	38	-	-	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓
	41	-	-	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓
	66	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓

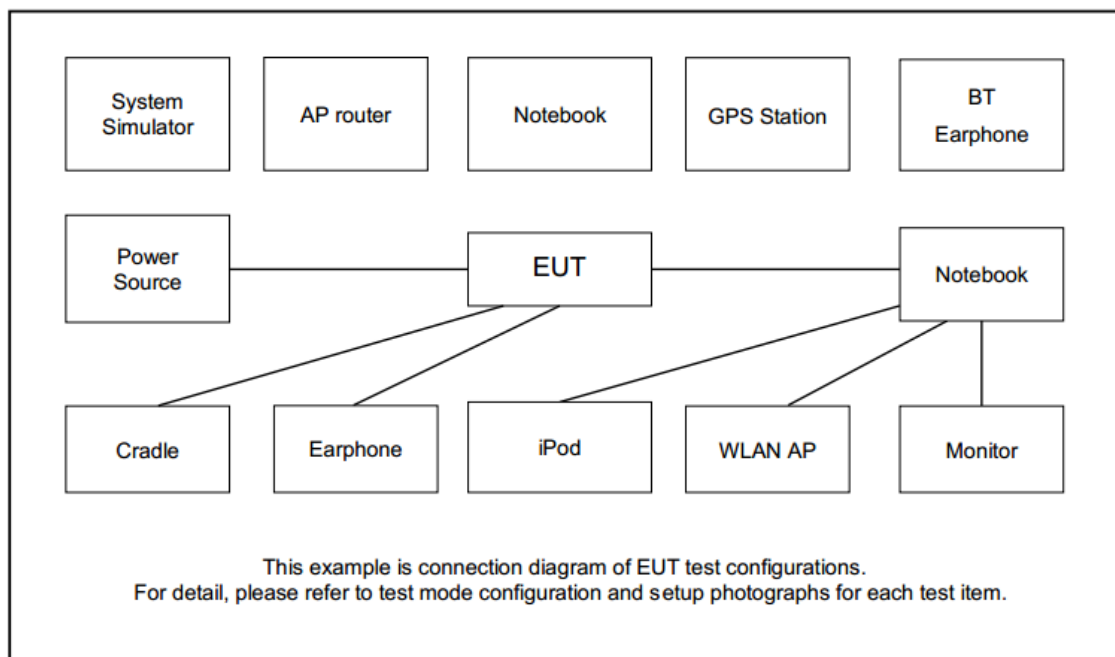


Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Conducted Spurious Emission	2	V	V	V	V	V	V	V	V	V	V			V	V	V
	4	V	V	V	V	V	V	V	V	V	V			V	V	V
	5	V	V	V	V	-	-	V	V	V	V			V	V	V
	7	-	-	V	V	V	V	V	V	V	V			V	V	V
	12	V	V	V	V	-	-	V	V	V	V			V	V	V
	13	-	-	V	V	-	-	V	V	V	V			V	V	V
	17	-	-	V	V	-	-	V	V	V	V			V	V	V
	25	V	V	V	V	V	V	V	V	V	V			V	V	V
	26	V	V	V	V	V	-	V	V	V	V			V	V	V
	38	-	-	V	V	V	V	V	V	V	V			V	V	V
	41	-	-	V	V	V	V	V	V	V	V			V	V	V
	66	V	V	V	V	V	V	V	V	V	V			V	V	V
Frequency Stability	2				V			V					V		V	
	4				V			V					V		V	
	5				V	-	-	V					V		V	
	7	-	-		V			V					V		V	
	12	V			V	-	-	V					V		V	
	13	-	-		V	-	-	V					V		V	
	17	-	-		V	-	-	V					V		V	
	25				V			V					V		V	
	26				V		-	V					V		V	
	38	-	-		V			V					V		V	
	41	-	-		V			V					V		V	
	66				V			V					V		V	



Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
E.R.P./ E.I.R.P.	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
	4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
	5	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓		✓	✓	✓
	7	-	-	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
	12	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓		✓	✓	✓
	13	-	-	✓	✓	-	-	✓	✓	✓	✓			✓	✓	✓
	17	-	-	✓	✓	-	-	✓	✓	✓	✓			✓	✓	✓
	25	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
	26	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓		✓	✓	✓
	38	-	-	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
	41	-	-	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
	66	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
Radiated Spurious Emission	2	✓	✓	✓	✓	✓	✓	✓			✓			✓	✓	✓
	4	✓	✓	✓	✓	✓	✓	✓			✓			✓	✓	✓
	5	✓	✓	✓	✓	-	-	✓			✓			✓	✓	✓
	7	-	-	✓	✓	✓	✓	✓			✓			✓	✓	✓
	12	✓	✓	✓	✓	-	-	✓			✓			✓	✓	✓
	13	-	-	✓	✓	-	-	✓			✓			✓	✓	✓
	17	-	-	✓	✓	-	-	✓			✓			✓	✓	✓
	25	✓	✓	✓	✓	✓	✓	✓			✓			✓	✓	✓
	26	✓	✓	✓	✓	✓	-	✓			✓			✓	✓	✓
	38	-	-	✓	✓	✓	✓	✓			✓			✓	✓	✓
	41	-	-	✓	✓	✓	✓	✓			✓			✓	✓	✓
	66	✓	✓	✓	✓	✓	✓	✓			✓			✓	✓	✓
Note	1. The mark “✓” means that this configuration is chosen for testing 2. The mark “-” means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.															

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m
2.	WWAN Antenna	N/A	WE14-LF-07	N/A	N/A	N/A
3.	Programmable Power Supply	TOPWARD	3303D	N/A	N/A	N/A
4.	Fixture	N/A	N/A	N/A	N/A	N/A



2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10dB attenuator.

Example :

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.2 + 10 = 14.2 \text{ (dB)}\end{aligned}$$



2.5 Frequency List of Low/Middle/High Channels

LTE Band 2 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	18700	18900	19100
	Frequency	1860	1880	1900
15	Channel	18675	18900	19125
	Frequency	1857.5	1880	1902.5
10	Channel	18650	18900	19150
	Frequency	1855	1880	1905
5	Channel	18625	18900	19175
	Frequency	1852.5	1880	1907.5
3	Channel	18615	18900	19185
	Frequency	1851.5	1880	1908.5
1.4	Channel	18607	18900	19193
	Frequency	1850.7	1880	1909.3

LTE Band 4 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20050	20175	20300
	Frequency	1720	1732.5	1745
15	Channel	20025	20175	20325
	Frequency	1717.5	1732.5	1747.5
10	Channel	20000	20175	20350
	Frequency	1715	1732.5	1750
5	Channel	19975	20175	20375
	Frequency	1712.5	1732.5	1752.5
3	Channel	19965	20175	20385
	Frequency	1711.5	1732.5	1753.5
1.4	Channel	19957	20175	20393
	Frequency	1710.7	1732.5	1754.3



LTE Band 5 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	20450	20525	20600
	Frequency	829	836.5	844
5	Channel	20425	20525	20625
	Frequency	826.5	836.5	846.5
3	Channel	20415	20525	20635
	Frequency	825.5	836.5	847.5
1.4	Channel	20407	20525	20643
	Frequency	824.7	836.5	848.3

LTE Band 7 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20850	21100	21350
	Frequency	2510	2535	2560
15	Channel	20825	21100	21375
	Frequency	2507.5	2535	2562.5
10	Channel	20800	21100	21400
	Frequency	2505	2535	2565
5	Channel	20775	21100	21425
	Frequency	2502.5	2535	2567.5



LTE Band 12 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23060	23095	23130
	Frequency	704	707.5	711
5	Channel	23035	23095	23155
	Frequency	701.5	707.5	713.5
3	Channel	23025	23095	23165
	Frequency	700.5	707.5	714.5
1.4	Channel	23017	23095	23173
	Frequency	699.7	707.5	715.3

LTE Band 13 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	23230	-
	Frequency	-	782	-
5	Channel	23205	23230	23255
	Frequency	779.5	782	784.5

LTE Band 17 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23780	23790	23800
	Frequency	709	710	711
5	Channel	23755	23790	23825
	Frequency	706.5	710	713.5



LTE Band 25 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	26140	26340	26590
	Frequency	1860	1880	1905
15	Channel	26115	26340	26615
	Frequency	1857.5	1880	1907.5
10	Channel	26090	26340	26640
	Frequency	1855	1880	1910
5	Channel	26065	26340	26665
	Frequency	1852.5	1880	1912.5
3	Channel	26055	26340	26675
	Frequency	1851.5	1880	1913.5
1.4	Channel	26047	26340	26683
	Frequency	1850.7	1880	1914.3

LTE Band 26 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	26865	26915	26965
	Frequency	831.5	836.5	841.5
10	Channel	26840	26915	26990
	Frequency	829	836.5	844
5	Channel	26815	26915	27015
	Frequency	826.5	836.5	846.5
3	Channel	26805	26915	27025
	Frequency	825.5	836.5	847.5
1.4	Channel	26797	26915	27033
	Frequency	824.7	836.5	848.3



LTE Band 38 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	37850	38000	38150
	Frequency	2580	2595	2610
15	Channel	37825	38000	38175
	Frequency	2577.5	2595	2612.5
10	Channel	37800	38000	38200
	Frequency	2575	2595	2615
5	Channel	37775	38000	38225
	Frequency	2572.5	2595	2617.5

LTE Band 41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	39750	40620	41490
	Frequency	2506	2593	2680
15	Channel	39725	40620	41515
	Frequency	2503.5	2593	2682.5
10	Channel	39700	40620	41540
	Frequency	2501	2593	2685
5	Channel	39675	40620	41565
	Frequency	2498.5	2593	2687.5



LTE Band 66 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	132072	132322	132572
	Frequency	1720	1745	1770
15	Channel	132047	132322	132597
	Frequency	1717.5	1745	1772.5
10	Channel	132022	132322	132622
	Frequency	1715	1745	1775
5	Channel	131997	132322	132647
	Frequency	1712.5	1745	1777.5
3	Channel	131987	132322	132657
	Frequency	1711.5	1745	1778.5
1.4	Channel	131979	132322	132665
	Frequency	1710.7	1745	1779.3

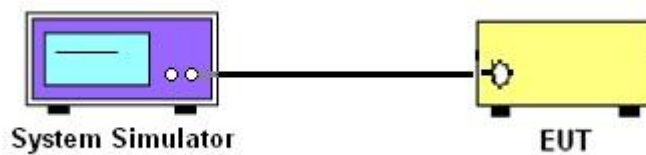
3 Conducted Test Items

3.1 Measuring Instruments

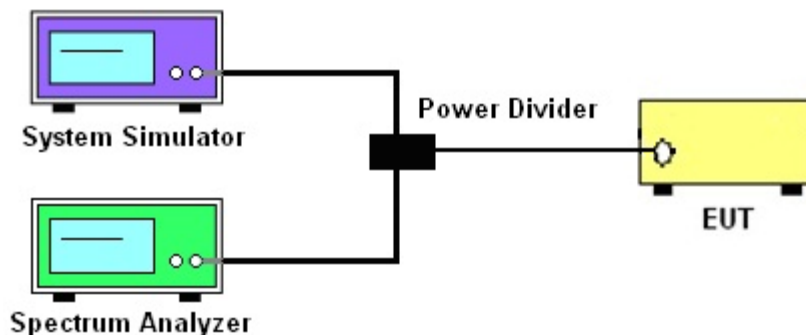
See list of measuring instruments of this test report.

3.2 Test Setup

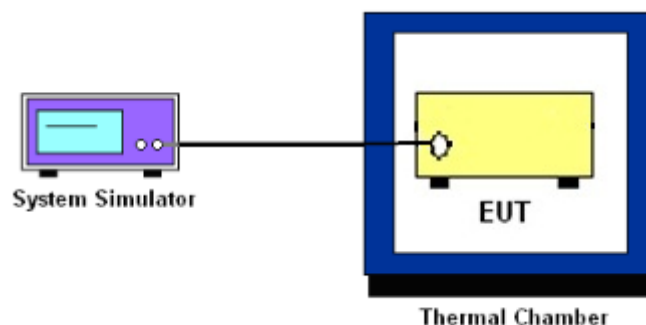
3.2.1 Conducted Output Power



3.2.2 Peak-to-Average Ratio, Occupied Bandwidth ,Conducted Band-Edge and Conducted Spurious Emission



3.2.3 Frequency Stability



3.3 Test Result of Conducted Test

Please refer to Appendix A.

3.4 Conducted Output Power and ERP/EIRP

3.4.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP of mobile transmitters must not exceed 7 Watts for LTE Band 5 and LTE Band 26.

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 12, Band 13 and Band 17.

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2 and Band 25 and Band 7 and LTE Band 38 and Band 41.

The EIRP of mobile transmitters must not exceed 1 Watts for LTE Band 4 and LTE Band 66.

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$, $ERP = EIRP - 2.15$, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.4.2 Test Procedures

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power through the system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.

3.5 Peak-to-Average Ratio

3.5.1 Description of the PAR Measurement

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

3.5.2 Test Procedures

1. The testing follows FCC KDB 971168 v02r02 Section 5.7.1.
2. The EUT was connected to spectrum and system simulator via a power divider.
3. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
4. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
5. Record the deviation as Peak to Average Ratio.



3.6 Occupied Bandwidth

3.6.1 Description of Occupied Bandwidth Measurement

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

3.6.2 Test Procedures

1. The testing follows FCC KDB 971168 v02r02 Section 4.2.
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
4. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
5. Set the detection mode to peak, and the trace mode to max hold.
6. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace.
(this is the reference value)
7. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
8. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
9. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.



3.7 Conducted Band Edge

3.7.1 Description of Conducted Band Edge Measurement

22.917(a)

For operations in the 824 – 849 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

24.238 (a)

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53 (c)

For operations in the 776-788 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100 kHz bandwidth. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed. In addition, the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least $65 + 10 \log_{10} p(\text{watts})$, dB, for mobile and portable equipment.

27.53 (g)

For operations in the 698 -746 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

27.53 (h)

For operations in the 1710 – 1755 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.



27.53(m)(4)

For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

3.7.2 Test Procedures

1. The testing follows FCC KDB 971168 v02r02 Section 6.0.
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The band edges of low and high channels for the highest RF powers were measured.
4. Set RBW $\geq 1\%$ EBW in the 1MHz band immediately outside and adjacent to the band edge.
5. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
6. Set spectrum analyzer with RMS detector.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
9. For LTE Band 7, 38, 41, the other 40 dB, and 55 dB have additionally applied same calculation above.

3.8 Conducted Spurious Emission

3.8.1 Description of Conducted Spurious Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For Band 7,38,41:

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

3.8.2 Test Procedures

1. The testing follows FCC KDB 971168 v02r02 Section 6.0.
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.
The path loss was compensated to the results for each measurement.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
7. Set spectrum analyzer with RMS detector.
8. Taking the record of maximum spurious emission.
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
10. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
11. For Band 7, 38, 41

The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)



3.9 Frequency Stability

3.9.1 Description of Frequency Stability Measurement

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) of the center frequency.

3.9.2 Test Procedures for Temperature Variation

1. The testing follows FCC KDB 971168 v02r02 Section 9.0.
2. The EUT was set up in the thermal chamber and connected with the system simulator.
3. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
4. With power OFF, the temperature was raised in 10°C step up to 50°C . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

3.9.3 Test Procedures for Voltage Variation

1. The testing follows FCC KDB 971168 v02r02 Section 9.0.
2. The EUT was placed in a temperature chamber at $20 \pm 5^{\circ}\text{C}$ and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
4. The variation in frequency was measured for the worst case.

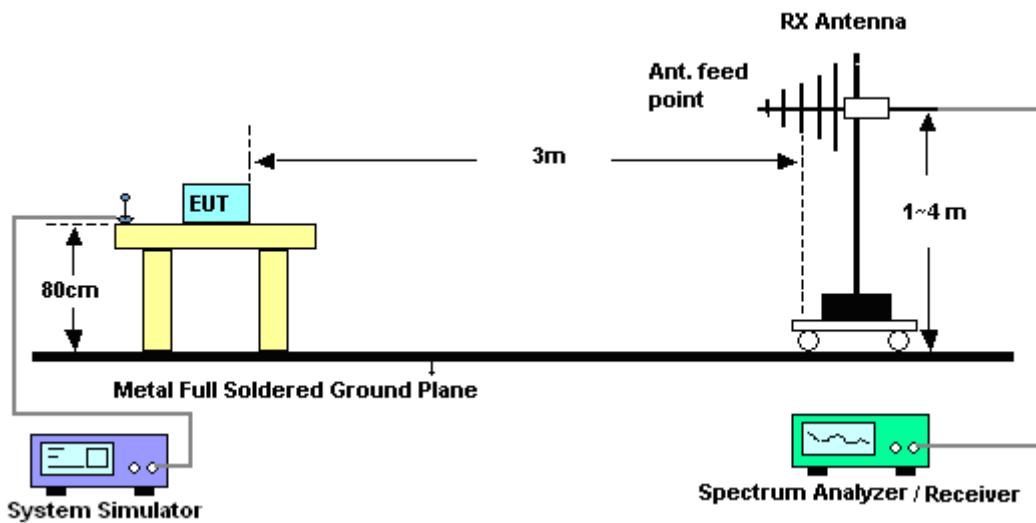
4 Radiated Test Items

4.1 Measuring Instruments

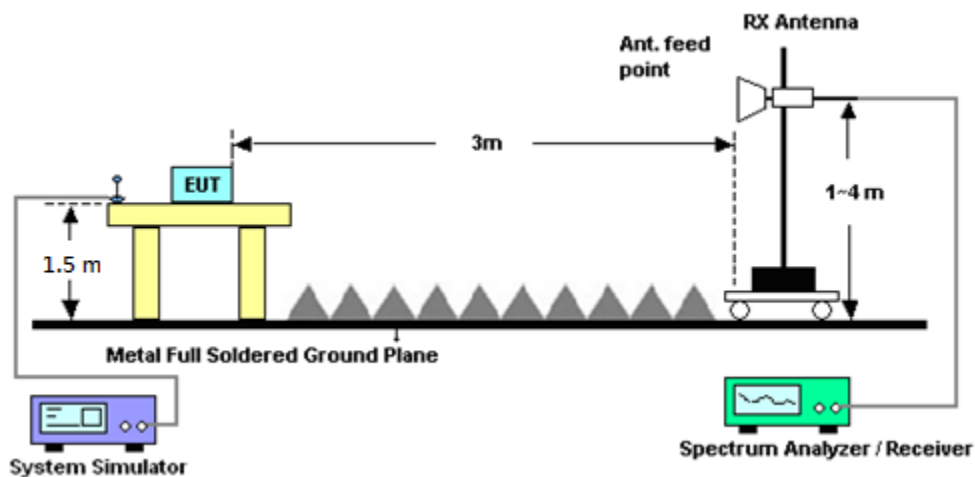
See list of measuring instruments of this test report.

4.2 Test Setup

4.2.1 For radiated test from 30MHz to 1GHz



4.2.2 For radiated test above 1GHz



4.3 Test Result of Radiated Test

Please refer to Appendix B.



4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI / TIA / EIA-603-D-2010. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For Band 7, 38, 41

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.

For LTE Band 12,13,17

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

4.4.2 Test Procedures

1. The testing follows FCC KDB 971168 v02r02 Section 5.8 and ANSI / TIA-603-D-2010 Section 2.2.12.
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
7. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
8. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
9. Taking the record of output power at antenna port.
10. Repeat step 7 to step 8 for another polarization.
11. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
12. For Band 7, 38, 41:
The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)
 $EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$
 $ERP \text{ (dBm)} = EIRP - 2.15$



5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
LTE Base Station	Anritsu	MT8820C	6201432821	GSM/GPRS /WCDMA/LTE	Oct. 11, 2016	May 02, 2017~ Jul. 02, 2017	Oct. 10, 2017	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101397	10Hz~40GHz	Nov. 04, 2016	May 02, 2017~ Jul. 02, 2017	Nov. 03, 2017	Conducted (TH05-HY)
Temperature Chamber	ESPEC	SH-641	92013720	-30°C~70°C	Sep. 01, 2016	May 02, 2017~ Jul. 02, 2017	Aug. 31, 2017	Conducted (TH05-HY)
Programmable Power Supply	GW Instek	PSS-2005	EL890001	1V~20V 0.5A~5A	Oct. 03, 2016	May 02, 2017~ Jul. 02, 2017	Oct. 02, 2017	Conducted (TH05-HY)
Coupler	Warison	1-18GHz 20dB 25WSMA	#B	1G~18GHz	Feb. 20, 2017	May 02, 2017~ Jul. 02, 2017	Feb. 19, 2018	Conducted (TH05-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800	40103&04	30MHz to 1GHz	Jan. 07, 2017	Jun. 23, 2017 ~ Jul. 04, 2017	Jan. 06, 2018	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1G~18GHz	Mar. 17, 2017	Jun. 23, 2017 ~ Jul. 04, 2017	Mar. 16, 2018	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1620	1G~18GHz	Sep. 30, 2016	Jun. 23, 2017 ~ Jul. 04, 2017	Sep. 29, 2017	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Nov. 08, 2016	Jun. 23, 2017 ~ Jul. 04, 2017	Nov. 07, 2017	Radiation (03CH13-HY)
Signal Generator	Anritsu	MG3694C	163401	0.1Hz~40GHz	Jan. 04, 2017	Jun. 23, 2017 ~ Jul. 04, 2017	Jan. 03, 2018	Radiation (03CH13-HY)
Amplifier	Sonoma-Instrument	310 N	187282	9KHz~1GHz	Dec. 21, 2016	Jun. 23, 2017 ~ Jul. 04, 2017	Dec. 20, 2017	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590074	1GHz~18GHz	May 22, 2017	Jun. 23, 2017~ Jul. 04, 2017	May 21, 2018	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY53270147	1GHz~26.5GHz	Jan. 09, 2017	Jun. 23, 2017 ~ Jul. 04, 2017	Jan. 08, 2018	Radiation (03CH13-HY)
Preamplifier	MITEQ	TTA 1840-35-HG	1887435	18GHz ~ 40GHz	Oct. 13, 2016	Jun. 23, 2017 ~ Jul. 04, 2017	Oct. 12, 2017	Radiation (03CH13-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY55420170	N/A	Mar. 03, 2017	Jun. 23, 2017 ~ Jul. 04, 2017	Mar. 02, 2018	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	N/A	Mar. 15, 2017	Jun. 23, 2017 ~ Jul. 04, 2017	Mar. 14, 2018	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Jun. 23, 2017 ~ Jul. 04, 2017	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Jun. 23, 2017 ~ Jul. 04, 2017	N/A	Radiation (03CH13-HY)



6 Uncertainty of Evaluation

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	3.07
---	------

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	3.48
---	------

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	3.92
---	------



Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power)

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.61	22.71	22.62
20	1	49		22.47	22.50	22.40
20	1	99		22.68	22.70	22.62
20	50	0		21.52	21.64	21.63
20	50	24		21.55	21.56	21.52
20	50	50		21.56	21.57	21.57
20	100	0		21.60	21.61	21.69
20	1	0	16-QAM	21.87	21.90	21.88
20	1	49		21.67	21.71	21.64
20	1	99		21.84	21.91	21.93
20	50	0		20.53	20.62	20.61
20	50	24		20.58	20.54	20.49
20	50	50		20.55	20.57	20.50
20	100	0		20.62	20.59	20.65
20	1	0	64-QAM	20.54	20.63	20.56
20	1	49		20.47	20.52	20.35
20	1	99		20.57	20.62	20.57
20	50	0		19.32	19.44	19.42
20	50	24		19.36	19.37	19.29
20	50	50		19.31	19.40	19.29
20	100	0		19.39	19.41	19.43
15	1	0	QPSK	22.49	22.53	22.43
15	1	37		22.51	22.54	22.56
15	1	74		22.48	22.49	22.47
15	36	0		21.53	21.58	21.52
15	36	20		21.47	21.56	21.48
15	36	39		21.50	21.59	21.54
15	75	0		21.53	21.60	21.55
15	1	0	16-QAM	21.77	21.77	21.70
15	1	37		21.63	21.75	21.65
15	1	74		21.70	21.72	21.75
15	36	0		20.50	20.53	20.46
15	36	20		20.48	20.51	20.44
15	36	39		20.46	20.53	20.52
15	75	0		20.50	20.54	20.50
15	1	0	64-QAM	20.42	20.49	20.35
15	1	37		20.35	20.40	20.30
15	1	74		20.41	20.35	20.42
15	36	0		19.29	19.32	19.27
15	36	20		19.25	19.31	19.28
15	36	39		19.23	19.31	19.28
15	75	0		19.29	19.34	19.31



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.60	22.68	22.57
10	1	25		22.31	22.30	22.29
10	1	49		22.33	22.32	22.33
10	25	0		21.51	21.43	21.53
10	25	12		21.39	21.37	21.38
10	25	25		21.29	21.36	21.40
10	50	0		21.46	21.39	21.42
10	1	0	16-QAM	21.94	21.90	21.88
10	1	25		21.55	21.51	21.52
10	1	49		21.60	21.54	21.63
10	25	0		20.44	20.41	20.49
10	25	12		20.36	20.34	20.36
10	25	25		20.27	20.34	20.37
10	50	0		20.43	20.39	20.40
10	1	0	64-QAM	20.57	20.66	20.52
10	1	25		20.21	20.25	20.23
10	1	49		20.24	20.27	20.29
10	25	0		19.26	19.21	19.25
10	25	12		19.18	19.17	19.11
10	25	25		19.08	19.14	19.19
10	50	0		19.23	19.20	19.14
5	1	0	QPSK	22.35	22.33	22.32
5	1	12		22.24	22.22	22.28
5	1	24		22.26	22.27	22.24
5	12	0		21.30	21.31	21.33
5	12	7		21.27	21.23	21.29
5	12	13		21.21	21.16	21.27
5	25	0		21.25	21.22	21.27
5	1	0	16-QAM	21.63	21.53	21.55
5	1	12		21.55	21.53	21.54
5	1	24		21.48	21.47	21.51
5	12	0		20.33	20.35	20.35
5	12	7		20.28	20.27	20.32
5	12	13		20.21	20.22	20.28
5	25	0		20.25	20.24	20.29
5	1	0	64-QAM	20.36	20.42	20.39
5	1	12		20.26	20.31	20.33
5	1	24		20.27	20.32	20.29
5	12	0		19.23	19.17	19.23
5	12	7		19.17	19.12	19.19
5	12	13		19.08	19.04	19.18
5	25	0		19.13	19.08	19.17



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.27	22.32	22.29
3	1	8		22.25	22.25	22.26
3	1	14		22.19	22.18	22.19
3	8	0		21.31	21.26	21.29
3	8	4		21.31	21.23	21.28
3	8	7		21.26	21.21	21.26
3	15	0		21.26	21.21	21.27
3	1	0	16-QAM	21.57	21.51	21.55
3	1	8		21.55	21.44	21.53
3	1	14		21.46	21.39	21.48
3	8	0		20.30	20.28	20.31
3	8	4		20.31	20.29	20.31
3	8	7		20.26	20.23	20.29
3	15	0		20.31	20.27	20.31
3	1	0	64-QAM	20.26	20.34	20.27
3	1	8		20.21	20.20	20.24
3	1	14		20.19	20.14	20.20
3	8	0		19.20	19.14	19.21
3	8	4		19.22	19.15	19.22
3	8	7		19.14	19.10	19.15
3	15	0		19.15	19.10	19.15
1.4	1	0	QPSK	22.21	22.21	22.22
1.4	1	3		22.25	22.29	22.25
1.4	1	5		22.16	22.19	22.17
1.4	3	0		22.27	22.25	22.27
1.4	3	1		22.28	22.30	22.30
1.4	3	3		22.26	22.25	22.26
1.4	6	0		21.24	21.15	21.19
1.4	1	0	16-QAM	21.50	21.53	21.50
1.4	1	3		21.57	21.53	21.56
1.4	1	5		21.48	21.45	21.43
1.4	3	0		21.29	21.26	21.27
1.4	3	1		21.36	21.31	21.33
1.4	3	3		21.29	21.23	21.25
1.4	6	0		20.30	20.28	20.30
1.4	1	0	64-QAM	20.21	20.21	20.23
1.4	1	3		20.28	20.30	20.25
1.4	1	5		20.20	20.17	20.18
1.4	3	0		20.21	20.13	20.20
1.4	3	1		20.25	20.17	20.27
1.4	3	3		20.18	20.16	20.20
1.4	6	0		19.06	19.03	19.07



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.59	22.62	22.51
20	1	49		22.45	22.33	22.34
20	1	99		22.59	22.61	22.45
20	50	0		21.58	21.48	21.46
20	50	24		21.57	21.41	21.42
20	50	50		21.59	21.55	21.44
20	100	0		21.62	21.49	21.52
20	1	0	16-QAM	21.87	21.88	21.74
20	1	49		21.71	21.58	21.58
20	1	99		21.85	21.89	21.66
20	50	0		20.60	20.47	20.42
20	50	24		20.56	20.44	20.42
20	50	50		20.59	20.53	20.42
20	100	0		20.59	20.45	20.55
20	1	0	64-QAM	20.53	20.58	20.40
20	1	49		20.36	20.26	20.21
20	1	99		20.53	20.57	20.32
20	50	0		19.38	19.24	19.15
20	50	24		19.32	19.22	19.15
20	50	50		19.33	19.29	19.16
20	100	0		19.33	19.22	19.26
15	1	0	QPSK	22.45	22.42	22.50
15	1	37		22.42	22.35	22.44
15	1	74		22.52	22.47	22.48
15	36	0		21.47	21.43	21.47
15	36	20		21.48	21.42	21.41
15	36	39		21.52	21.50	21.40
15	75	0		21.54	21.45	21.47
15	1	0	16-QAM	21.66	21.68	21.68
15	1	37		21.57	21.56	21.50
15	1	74		21.73	21.74	21.67
15	36	0		20.45	20.37	20.39
15	36	20		20.47	20.40	20.35
15	36	39		20.51	20.44	20.38
15	75	0		20.45	20.40	20.41
15	1	0	64-QAM	20.35	20.37	20.37
15	1	37		20.26	20.22	20.26
15	1	74		20.43	20.37	20.36
15	36	0		19.22	19.19	19.25
15	36	20		19.23	19.21	19.18
15	36	39		19.24	19.25	19.14
15	75	0		19.23	19.19	19.22



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.43	22.43	22.39
10	1	25		22.35	22.30	22.26
10	1	49		22.52	22.57	22.35
10	25	0		21.36	21.46	21.28
10	25	12		21.40	21.38	21.31
10	25	25		21.44	21.48	21.35
10	50	0		21.45	21.42	21.37
10	1	0	16-QAM	21.72	21.72	21.65
10	1	25		21.59	21.57	21.49
10	1	49		21.84	21.89	21.78
10	25	0		20.35	20.41	20.25
10	25	12		20.39	20.33	20.31
10	25	25		20.42	20.42	20.33
10	50	0		20.46	20.40	20.35
10	1	0	64-QAM	20.42	20.41	20.34
10	1	25		20.31	20.28	20.22
10	1	49		20.52	20.55	20.41
10	25	0		19.18	19.26	19.10
10	25	12		19.25	19.20	19.14
10	25	25		19.22	19.25	19.15
10	50	0		19.30	19.25	19.17
5	1	0	QPSK	22.39	22.47	22.32
5	1	12		22.22	22.23	22.11
5	1	24		22.27	22.26	22.15
5	12	0		21.32	21.37	21.27
5	12	7		21.27	21.30	21.26
5	12	13		21.29	21.34	21.16
5	25	0		21.24	21.28	21.15
5	1	0	16-QAM	21.66	21.71	21.52
5	1	12		21.51	21.56	21.32
5	1	24		21.51	21.52	21.39
5	12	0		20.36	20.39	20.30
5	12	7		20.29	20.32	20.27
5	12	13		20.33	20.34	20.17
5	25	0		20.28	20.28	20.19
5	1	0	64-QAM	20.42	20.48	20.30
5	1	12		20.23	20.26	20.10
5	1	24		20.28	20.25	20.14
5	12	0		19.23	19.28	19.18
5	12	7		19.21	19.23	19.17
5	12	13		19.24	19.25	19.04
5	25	0		19.12	19.16	19.00



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.30	22.32	22.15
3	1	8		22.31	22.28	22.10
3	1	14		22.24	22.26	22.15
3	8	0		21.28	21.36	21.21
3	8	4		21.30	21.30	21.20
3	8	7		21.30	21.26	21.22
3	15	0		21.28	21.29	21.16
3	1	0	16-QAM	21.56	21.60	21.43
3	1	8		21.54	21.51	21.39
3	1	14		21.44	21.55	21.42
3	8	0		20.32	20.40	20.28
3	8	4		20.36	20.35	20.25
3	8	7		20.36	20.33	20.32
3	15	0		20.30	20.30	20.23
3	1	0	64-QAM	20.40	20.32	20.13
3	1	8		20.26	20.25	20.10
3	1	14		20.21	20.27	20.10
3	8	0		19.16	19.27	19.10
3	8	4		19.22	19.20	19.09
3	8	7		19.21	19.16	19.12
3	15	0		19.18	19.17	19.03
1.4	1	0	QPSK	22.23	22.17	22.08
1.4	1	3		22.34	22.28	22.18
1.4	1	5		22.18	22.17	22.18
1.4	3	0		22.32	22.24	22.11
1.4	3	1		22.38	22.28	22.23
1.4	3	3		22.23	22.25	22.22
1.4	6	0		21.25	21.18	21.17
1.4	1	0	16-QAM	21.51	21.48	21.28
1.4	1	3		21.64	21.57	21.44
1.4	1	5		21.43	21.44	21.39
1.4	3	0		21.30	21.27	21.11
1.4	3	1		21.41	21.32	21.24
1.4	3	3		21.22	21.27	21.20
1.4	6	0		20.36	20.28	20.22
1.4	1	0	64-QAM	20.29	20.18	20.04
1.4	1	3		20.34	20.26	20.19
1.4	1	5		20.16	20.20	20.05
1.4	3	0		20.27	20.18	20.04
1.4	3	1		20.34	20.25	20.18
1.4	3	3		20.16	20.19	20.10
1.4	6	0		19.10	19.06	18.98



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.68	22.59	22.60
20	1	49		22.51	22.38	22.51
20	1	99		22.18	22.28	22.24
20	50	0		21.45	21.38	21.50
20	50	24		21.57	21.47	21.57
20	50	50		21.38	21.28	21.41
20	100	0		21.47	21.33	21.45
20	1	0	16-QAM	21.58	21.44	21.46
20	1	49		21.79	21.69	21.80
20	1	99		21.43	21.52	21.46
20	50	0		20.46	20.36	20.47
20	50	24		20.57	20.47	20.63
20	50	50		20.37	20.32	20.45
20	100	0		20.47	20.34	20.47
20	1	0	64-QAM	20.23	20.15	20.17
20	1	49		20.43	20.35	20.51
20	1	99		20.10	20.24	20.18
20	50	0		19.20	19.10	19.23
20	50	24		19.30	19.20	19.34
20	50	50		19.06	19.06	19.20
20	100	0		19.17	19.10	19.20
15	1	0	QPSK	22.22	22.13	22.29
15	1	37		22.29	22.28	22.27
15	1	74		22.09	22.12	22.19
15	36	0		21.50	21.37	21.55
15	36	20		21.57	21.45	21.61
15	36	39		21.36	21.36	21.48
15	75	0		21.48	21.38	21.53
15	1	0	16-QAM	21.56	21.37	21.52
15	1	37		21.79	21.64	21.82
15	1	74		21.32	21.36	21.41
15	36	0		20.49	20.37	20.51
15	36	20		20.59	20.46	20.60
15	36	39		20.37	20.36	20.47
15	75	0		20.46	20.36	20.51
15	1	0	64-QAM	20.14	20.05	20.19
15	1	37		20.38	20.33	20.46
15	1	74		19.97	20.01	20.05
15	36	0		19.21	19.12	19.27
15	36	20		19.30	19.22	19.36
15	36	39		19.06	19.08	19.19
15	75	0		19.17	19.12	19.22



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.47	22.51	22.65
10	1	25		22.36	22.35	22.47
10	1	49		22.57	22.62	22.63
10	25	0		21.48	21.49	21.63
10	25	12		21.47	21.45	21.55
10	25	25		21.56	21.49	21.58
10	50	0		21.51	21.51	21.58
10	1	0	16-QAM	21.82	21.87	21.97
10	1	25		21.68	21.67	21.77
10	1	49		21.92	21.94	21.91
10	25	0		20.45	20.49	20.57
10	25	12		20.47	20.47	20.56
10	25	25		20.50	20.48	20.55
10	50	0		20.51	20.49	20.60
10	1	0	64-QAM	20.43	20.49	20.60
10	1	25		20.28	20.30	20.39
10	1	49		20.49	20.57	20.55
10	25	0		19.20	19.27	19.38
10	25	12		19.21	19.24	19.34
10	25	25		19.26	19.26	19.34
10	50	0		19.27	19.26	19.38
5	1	0	QPSK	22.38	22.42	22.52
5	1	12		22.29	22.30	22.36
5	1	24		22.31	22.25	22.36
5	12	0		21.39	21.39	21.50
5	12	7		21.39	21.38	21.48
5	12	13		21.33	21.35	21.42
5	25	0		21.34	21.35	21.43
5	1	0	16-QAM	21.73	21.73	21.81
5	1	12		21.60	21.60	21.67
5	1	24		21.60	21.57	21.63
5	12	0		20.42	20.42	20.52
5	12	7		20.39	20.41	20.45
5	12	13		20.38	20.33	20.42
5	25	0		20.36	20.39	20.44
5	1	0	64-QAM	20.39	20.44	20.54
5	1	12		20.27	20.29	20.37
5	1	24		20.27	20.31	20.33
5	12	0		19.26	19.33	19.40
5	12	7		19.23	19.28	19.34
5	12	13		19.18	19.24	19.28
5	25	0		19.14	19.21	19.27



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.28	22.33	22.42
3	1	8		22.28	22.29	22.37
3	1	14		22.23	22.24	22.29
3	8	0		21.37	21.40	21.46
3	8	4		21.36	21.39	21.43
3	8	7		21.34	21.34	21.42
3	15	0		21.36	21.35	21.41
3	1	0	16-QAM	21.61	21.63	21.71
3	1	8		21.59	21.61	21.65
3	1	14		21.58	21.56	21.61
3	8	0		20.43	20.45	20.51
3	8	4		20.43	20.47	20.50
3	8	7		20.37	20.41	20.45
3	15	0		20.36	20.39	20.44
3	1	0	64-QAM	20.26	20.32	20.38
3	1	8		20.20	20.26	20.32
3	1	14		20.23	20.26	20.29
3	8	0		19.18	19.24	19.29
3	8	4		19.21	19.26	19.30
3	8	7		19.16	19.22	19.24
3	15	0		19.17	19.22	19.25
1.4	1	0	QPSK	22.19	22.25	22.29
1.4	1	3		22.26	22.30	22.36
1.4	1	5		22.19	22.22	22.28
1.4	3	0		22.24	22.28	22.34
1.4	3	1		22.27	22.31	22.38
1.4	3	3		22.25	22.28	22.33
1.4	6	0		21.25	21.31	21.34
1.4	1	0	16-QAM	21.50	21.59	21.59
1.4	1	3		21.57	21.60	21.66
1.4	1	5		21.48	21.48	21.54
1.4	3	0		21.27	21.36	21.38
1.4	3	1		21.36	21.37	21.44
1.4	3	3		21.28	21.33	21.37
1.4	6	0		20.33	20.38	20.43
1.4	1	0	64-QAM	20.20	20.28	20.29
1.4	1	3		20.25	20.30	20.34
1.4	1	5		20.17	20.22	20.28
1.4	3	0		20.15	20.21	20.27
1.4	3	1		20.22	20.28	20.33
1.4	3	3		20.16	20.16	20.26
1.4	6	0		19.05	19.12	19.18



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.49	22.51	22.64
10	1	25		22.44	22.59	22.57
10	1	49		22.49	22.53	22.49
10	25	0		21.62	21.62	21.71
10	25	12		21.62	21.67	21.72
10	25	25		21.59	21.66	21.71
10	50	0		21.72	21.67	21.71
10	1	0	16-QAM	21.75	21.80	21.92
10	1	25		21.73	21.90	21.85
10	1	49		21.78	21.84	21.79
10	25	0		20.61	20.60	20.68
10	25	12		20.64	20.67	20.73
10	25	25		20.62	20.63	20.77
10	50	0		20.66	20.61	20.75
10	1	0	64-QAM	20.46	20.45	20.62
10	1	25		20.40	20.54	20.58
10	1	49		20.41	20.50	20.44
10	25	0		19.37	19.40	19.53
10	25	12		19.38	19.45	19.53
10	25	25		19.41	19.43	19.54
10	50	0		19.46	19.41	19.56
5	1	0	QPSK	22.52	22.57	22.55
5	1	12		22.41	22.49	22.50
5	1	24		22.45	22.52	22.54
5	12	0		21.52	21.54	21.63
5	12	7		21.53	21.64	21.65
5	12	13		21.50	21.60	21.62
5	25	0		21.48	21.58	21.64
5	1	0	16-QAM	21.78	21.83	21.83
5	1	12		21.71	21.78	21.79
5	1	24		21.70	21.73	21.79
5	12	0		20.56	20.54	20.66
5	12	7		20.56	20.63	20.66
5	12	13		20.53	20.61	20.63
5	25	0		20.53	20.57	20.70
5	1	0	64-QAM	20.57	20.59	20.66
5	1	12		20.42	20.47	20.52
5	1	24		20.50	20.54	20.59
5	12	0		19.46	19.48	19.58
5	12	7		19.46	19.56	19.59
5	12	13		19.44	19.54	19.55
5	25	0		19.36	19.44	19.53



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.52	22.48	22.53
3	1	8		22.49	22.49	22.55
3	1	14		22.46	22.55	22.50
3	8	0		21.54	21.48	21.60
3	8	4		21.58	21.65	21.63
3	8	7		21.52	21.59	21.61
3	15	0		21.53	21.59	21.61
3	1	0	16-QAM	21.79	21.79	21.86
3	1	8		21.76	21.76	21.84
3	1	14		21.76	21.87	21.84
3	8	0		20.63	20.57	20.73
3	8	4		20.69	20.73	20.77
3	8	7		20.66	20.64	20.76
3	15	0		20.61	20.61	20.72
3	1	0	64-QAM	20.51	20.47	20.56
3	1	8		20.46	20.46	20.55
3	1	14		20.47	20.60	20.55
3	8	0		19.41	19.38	19.52
3	8	4		19.43	19.53	19.54
3	8	7		19.39	19.45	19.51
3	15	0		19.40	19.44	19.54
1.4	1	0	QPSK	22.43	22.43	22.46
1.4	1	3		22.45	22.53	22.50
1.4	1	5		22.39	22.48	22.43
1.4	3	0		22.49	22.48	22.55
1.4	3	1		22.53	22.57	22.57
1.4	3	3		22.50	22.54	22.56
1.4	6	0		21.44	21.50	21.54
1.4	1	0	16-QAM	21.70	21.72	21.73
1.4	1	3		21.76	21.83	21.81
1.4	1	5		21.67	21.73	21.69
1.4	3	0		21.53	21.47	21.54
1.4	3	1		21.56	21.57	21.59
1.4	3	3		21.48	21.49	21.54
1.4	6	0		20.59	20.60	20.59
1.4	1	0	64-QAM	20.43	20.45	20.49
1.4	1	3		20.44	20.53	20.55
1.4	1	5		20.38	20.47	20.47
1.4	3	0		20.45	20.43	20.56
1.4	3	1		20.51	20.51	20.60
1.4	3	3		20.46	20.47	20.55
1.4	6	0		19.25	19.32	19.33



LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.07	22.05	22.04
20	1	49		21.79	21.75	21.79
20	1	99		22.06	22.04	22.03
20	50	0		20.84	20.93	20.94
20	50	24		20.89	20.89	20.92
20	50	50		20.91	20.99	20.98
20	100	0		20.91	20.90	20.91
20	1	0	16-QAM	21.17	21.19	21.20
20	1	49		21.05	20.98	21.05
20	1	99		21.30	21.30	21.31
20	50	0		19.83	19.92	19.92
20	50	24		19.89	19.88	19.88
20	50	50		19.88	19.97	19.96
20	100	0		19.88	19.87	19.89
20	1	0	64-QAM	19.83	19.92	19.92
20	1	49		19.80	19.85	19.81
20	1	99		20.02	20.06	20.03
20	50	0		18.67	18.73	18.74
20	50	24		18.72	18.72	18.75
20	50	50		18.69	18.78	18.85
20	100	0		18.71	18.70	18.78
15	1	0	QPSK	21.74	21.83	21.83
15	1	37		21.75	21.79	21.75
15	1	74		21.86	21.89	21.95
15	36	0		20.84	20.89	20.86
15	36	20		20.85	20.88	20.86
15	36	39		20.84	20.94	20.95
15	75	0		20.87	20.88	20.90
15	1	0	16-QAM	21.05	21.10	21.07
15	1	37		21.06	21.03	21.03
15	1	74		21.13	21.27	21.20
15	36	0		19.80	19.87	19.83
15	36	20		19.85	19.85	19.84
15	36	39		19.80	19.91	19.89
15	75	0		19.86	19.85	19.85
15	1	0	64-QAM	19.69	19.81	19.78
15	1	37		19.70	19.78	19.81
15	1	74		19.82	19.95	19.88
15	36	0		18.56	18.66	18.67
15	36	20		18.63	18.65	18.68
15	36	39		18.59	18.69	18.73
15	75	0		18.64	18.64	18.68



LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	21.89	21.99	21.91
10	1	25		21.61	21.63	21.65
10	1	49		21.96	21.93	21.94
10	25	0		20.78	20.87	20.83
10	25	12		20.73	20.72	20.79
10	25	25		20.81	20.80	20.85
10	50	0		20.78	20.77	20.86
10	1	0	16-QAM	21.24	21.32	21.27
10	1	25		20.93	20.91	20.97
10	1	49		21.27	21.25	21.26
10	25	0		19.76	19.84	19.82
10	25	12		19.71	19.72	19.76
10	25	25		19.79	19.78	19.84
10	50	0		19.81	19.78	19.84
10	1	0	64-QAM	19.94	20.06	20.01
10	1	25		19.65	19.62	19.76
10	1	49		19.97	19.98	20.03
10	25	0		18.60	18.70	18.70
10	25	12		18.54	18.53	18.66
10	25	25		18.63	18.60	18.71
10	50	0		18.65	18.60	18.70
5	1	0	QPSK	21.60	21.73	21.64
5	1	12		21.55	21.59	21.63
5	1	24		21.59	21.58	21.59
5	12	0		20.61	20.59	20.67
5	12	7		20.60	20.62	20.68
5	12	13		20.60	20.57	20.62
5	25	0		20.58	20.58	20.64
5	1	0	16-QAM	20.93	20.99	20.99
5	1	12		20.89	20.88	20.91
5	1	24		20.83	20.83	20.87
5	12	0		19.67	19.62	19.65
5	12	7		19.67	19.63	19.66
5	12	13		19.64	19.63	19.65
5	25	0		19.61	19.60	19.63
5	1	0	64-QAM	19.70	19.77	19.80
5	1	12		19.64	19.67	19.78
5	1	24		19.62	19.67	19.68
5	12	0		18.54	18.51	18.64
5	12	7		18.51	18.51	18.61
5	12	13		18.50	18.52	18.59
5	25	0		18.47	18.47	18.60



LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.01	22.10	21.96
10	1	25		21.99	21.93	21.96
10	1	49		22.04	22.05	22.01
10	25	0		21.15	21.16	21.13
10	25	12		21.16	21.19	21.16
10	25	25		21.20	21.15	21.13
10	50	0		21.20	21.13	21.16
10	1	0	16-QAM	21.39	21.37	21.35
10	1	25		21.41	21.32	21.32
10	1	49		21.46	21.46	21.32
10	25	0		20.13	20.15	20.09
10	25	12		20.16	20.18	20.12
10	25	25		20.14	20.14	20.09
10	50	0		20.18	20.12	20.21
10	1	0	64-QAM	20.07	20.07	20.08
10	1	25		20.04	20.04	20.06
10	1	49		20.12	20.12	20.04
10	25	0		18.94	18.97	18.92
10	25	12		18.96	18.97	18.94
10	25	25		18.98	18.95	18.90
10	50	0		18.97	18.92	19.03
5	1	0	QPSK	22.02	21.99	21.89
5	1	12		21.95	21.90	21.83
5	1	24		22.05	21.98	21.86
5	12	0		21.16	21.03	21.06
5	12	7		21.15	21.07	21.00
5	12	13		21.12	21.06	20.98
5	25	0		21.11	21.08	21.05
5	1	0	16-QAM	21.36	21.30	21.29
5	1	12		21.34	21.28	21.21
5	1	24		21.32	21.27	21.14
5	12	0		20.15	20.05	20.08
5	12	7		20.13	20.08	20.01
5	12	13		20.13	20.07	19.96
5	25	0		20.12	20.09	20.05
5	1	0	64-QAM	20.14	20.12	20.05
5	1	12		20.06	20.05	19.93
5	1	24		20.12	20.09	19.91
5	12	0		19.03	18.96	18.99
5	12	7		19.05	18.97	18.92
5	12	13		19.04	18.98	18.89
5	25	0		18.94	18.90	18.90



LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.01	21.96	21.90
3	1	8		22.00	21.89	21.86
3	1	14		21.98	21.97	21.82
3	8	0		21.14	21.00	21.02
3	8	4		21.16	21.05	20.95
3	8	7		21.12	21.08	20.94
3	15	0		21.13	21.04	20.92
3	1	0	16-QAM	21.36	21.28	21.25
3	1	8		21.34	21.26	21.18
3	1	14		21.33	21.30	21.10
3	8	0		20.22	20.11	20.08
3	8	4		20.24	20.18	20.03
3	8	7		20.17	20.16	19.99
3	15	0		20.12	20.11	19.93
3	1	0	64-QAM	20.10	20.06	19.99
3	1	8		20.08	20.05	19.90
3	1	14		20.12	20.07	19.88
3	8	0		18.97	18.88	18.91
3	8	4		19.02	18.96	18.87
3	8	7		18.98	18.93	18.82
3	15	0		18.98	18.91	18.78
1.4	1	0	QPSK	21.94	21.89	21.82
1.4	1	3		21.99	21.91	21.87
1.4	1	5		21.94	21.85	21.75
1.4	3	0		22.03	21.94	21.94
1.4	3	1		22.09	22.02	21.89
1.4	3	3		22.05	21.90	21.95
1.4	6	0		21.01	20.99	20.91
1.4	1	0	16-QAM	21.22	21.20	21.13
1.4	1	3		21.32	21.24	21.18
1.4	1	5		21.24	21.16	21.02
1.4	3	0		21.07	20.95	20.94
1.4	3	1		21.17	21.07	20.92
1.4	3	3		21.07	20.92	20.92
1.4	6	0		20.10	20.06	19.90
1.4	1	0	64-QAM	20.00	19.99	19.86
1.4	1	3		20.04	20.05	19.87
1.4	1	5		19.94	19.94	19.78
1.4	3	0		20.04	19.98	19.92
1.4	3	1		20.10	20.08	19.90
1.4	3	3		20.03	19.93	19.90
1.4	6	0		18.83	18.79	18.67



LTE Band 13 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK		22.54	
10	1	25			22.43	
10	1	49			22.51	
10	25	0			21.69	
10	25	12			21.60	
10	25	25			21.67	
10	50	0			21.70	
10	1	0	16-QAM		21.80	
10	1	25			21.77	
10	1	49			21.84	
10	25	0			20.71	
10	25	12			20.61	
10	25	25			20.69	
10	50	0			20.69	
10	1	0	64-QAM		20.64	
10	1	25			20.48	
10	1	49			20.49	
10	25	0			19.44	
10	25	12			19.41	
10	25	25			19.48	
10	50	0			19.51	
5	1	0	QPSK	22.52	22.53	22.40
5	1	12		22.52	22.40	22.42
5	1	24		22.45	22.50	22.52
5	12	0		21.58	21.64	21.51
5	12	7		21.63	21.56	21.58
5	12	13		21.56	21.55	21.56
5	25	0		21.66	21.52	21.57
5	1	0	16-QAM	21.99	21.81	21.74
5	1	12		21.94	21.75	21.76
5	1	24		21.75	21.73	21.83
5	12	0		20.75	20.70	20.50
5	12	7		20.68	20.56	20.60
5	12	13		20.63	20.51	20.56
5	25	0		20.70	20.58	20.62
5	1	0	64-QAM	20.80	20.62	20.61
5	1	12		20.66	20.51	20.49
5	1	24		20.50	20.51	20.58
5	12	0		19.64	19.54	19.40
5	12	7		19.58	19.45	19.49
5	12	13		19.50	19.44	19.47
5	25	0		19.53	19.37	19.43



LTE Band 17 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.09	22.08	22.09
10	1	25		21.96	22.04	22.06
10	1	49		22.00	21.94	21.96
10	25	0		21.16	21.13	21.17
10	25	12		21.21	21.19	21.20
10	25	25		21.26	21.25	21.15
10	50	0		21.22	21.20	21.21
10	1	0	16-QAM	21.27	21.29	21.23
10	1	25		21.29	21.38	21.38
10	1	49		21.39	21.30	21.30
10	25	0		20.21	20.17	20.14
10	25	12		20.17	20.23	20.22
10	25	25		20.23	20.20	20.12
10	50	0		20.25	20.22	20.27
10	1	0	64-QAM	20.01	19.98	19.97
10	1	25		20.07	20.19	20.18
10	1	49		20.10	20.04	20.05
10	25	0		19.03	19.01	19.02
10	25	12		19.03	19.05	19.02
10	25	25		19.04	19.02	18.94
10	50	0		19.09	19.08	19.12
5	1	0	QPSK	22.03	21.99	22.05
5	1	12		21.98	22.00	22.01
5	1	24		22.07	22.05	22.00
5	12	0		21.15	21.07	21.18
5	12	7		21.09	21.17	21.13
5	12	13		21.04	21.22	21.12
5	25	0		21.07	21.11	21.18
5	1	0	16-QAM	21.32	21.27	21.35
5	1	12		21.31	21.36	21.42
5	1	24		21.40	21.43	21.28
5	12	0		20.18	20.10	20.20
5	12	7		20.11	20.25	20.15
5	12	13		20.10	20.27	20.12
5	25	0		20.14	20.15	20.17
5	1	0	64-QAM	20.16	20.13	20.20
5	1	12		20.14	20.12	20.18
5	1	24		20.20	20.23	20.11
5	12	0		19.08	19.06	19.10
5	12	7		19.04	19.16	19.04
5	12	13		19.03	19.15	19.01
5	25	0		18.98	19.02	19.01



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	22.68	22.88	22.63
15	1	37		22.78	22.87	22.77
15	1	74		22.52	22.63	22.58
15	36	0		21.86	21.69	21.86
15	36	20		21.91	21.84	21.97
15	36	39		21.77	21.84	21.81
15	75	0		21.89	21.73	22.01
15	1	0	16-QAM	21.97	21.85	21.96
15	1	37		21.96	22.00	22.04
15	1	74		21.86	21.80	21.81
15	36	0		20.79	20.73	20.84
15	36	20		20.88	20.89	21.00
15	36	39		20.78	20.79	20.83
15	75	0		20.85	20.81	20.94
15	1	0	64-QAM	20.56	20.60	20.66
15	1	37		20.70	20.71	20.80
15	1	74		20.46	20.66	20.45
15	36	0		19.59	19.52	19.65
15	36	20		19.65	19.68	19.74
15	36	39		19.50	19.57	19.59
15	75	0		19.54	19.54	19.71
10	1	0	QPSK	22.80	22.59	22.59
10	1	25		22.81	22.53	22.56
10	1	49		22.67	22.69	22.49
10	25	0		21.83	21.72	21.72
10	25	12		21.83	21.70	21.79
10	25	25		21.78	21.73	21.80
10	50	0		21.88	21.75	21.78
10	1	0	16-QAM	22.08	21.94	22.02
10	1	25		22.06	21.85	21.93
10	1	49		21.97	22.06	21.91
10	25	0		20.81	20.71	20.68
10	25	12		20.81	20.71	20.77
10	25	25		20.75	20.77	20.74
10	50	0		20.71	20.68	20.80
10	1	0	64-QAM	20.65	20.63	20.65
10	1	25		20.68	20.56	20.65
10	1	49		20.64	20.58	20.54
10	25	0		19.64	19.55	19.53
10	25	12		19.62	19.57	19.62
10	25	25		19.57	19.55	19.64
10	50	0		19.61	19.51	19.64



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	22.67	22.61	22.61
5	1	12		22.57	22.49	22.55
5	1	24		22.67	22.61	22.44
5	12	0		21.79	21.72	21.71
5	12	7		21.81	21.66	21.74
5	12	13		21.70	21.66	21.68
5	25	0		21.78	21.62	21.71
5	1	0	16-QAM	22.10	21.89	21.89
5	1	12		21.93	21.82	21.90
5	1	24		21.96	21.90	21.86
5	12	0		20.76	20.70	20.70
5	12	7		20.76	20.62	20.67
5	12	13		20.74	20.63	20.63
5	25	0		20.78	20.64	20.81
5	1	0	64-QAM	20.77	20.65	20.67
5	1	12		20.66	20.44	20.56
5	1	24		20.61	20.64	20.73
5	12	0		19.78	19.63	19.61
5	12	7		19.69	19.57	19.64
5	12	13		19.64	19.56	19.60
5	25	0		19.58	19.49	19.58
3	1	0	QPSK	22.65	22.62	22.60
3	1	8		22.63	22.53	22.56
3	1	14		22.65	22.54	22.45
3	8	0		21.74	21.67	21.67
3	8	4		21.80	21.63	21.70
3	8	7		21.78	21.58	21.70
3	15	0		21.78	21.60	21.66
3	1	0	16-QAM	21.92	21.87	21.89
3	1	8		21.91	21.84	21.85
3	1	14		22.06	21.86	21.78
3	8	0		20.83	20.75	20.76
3	8	4		20.89	20.74	20.81
3	8	7		20.88	20.79	20.80
3	15	0		20.84	20.65	20.74
3	1	0	64-QAM	20.75	20.63	20.64
3	1	8		20.69	20.52	20.60
3	1	14		20.66	20.54	20.62
3	8	0		19.63	19.56	19.58
3	8	4		19.65	19.55	19.62
3	8	7		19.62	19.55	19.58
3	15	0		19.61	19.49	19.58



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	22.67	22.57	22.44
1.4	1	3		22.69	22.51	22.53
1.4	1	5		22.54	22.48	22.59
1.4	3	0		22.72	22.64	22.59
1.4	3	1		22.78	22.56	22.63
1.4	3	3		22.69	22.60	22.65
1.4	6	0		21.75	21.56	21.62
1.4	1	0	16-QAM	21.99	21.85	21.79
1.4	1	3		22.04	21.88	21.86
1.4	1	5		21.83	21.72	21.85
1.4	3	0		21.83	21.65	21.60
1.4	3	1		21.84	21.61	21.64
1.4	3	3		21.78	21.67	21.66
1.4	6	0		20.79	20.59	20.64
1.4	1	0	64-QAM	20.64	20.53	20.54
1.4	1	3		20.67	20.51	20.55
1.4	1	5		20.61	20.46	20.50
1.4	3	0		20.70	20.58	20.63
1.4	3	1		20.74	20.52	20.69
1.4	3	3		20.71	20.51	20.58
1.4	6	0		19.49	19.36	19.47



LTE Band 38 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.08	22.02	22.03
20	1	49		21.54	21.40	21.35
20	1	99		21.76	21.66	21.62
20	50	0		20.80	20.80	20.69
20	50	24		20.68	20.55	20.55
20	50	50		20.67	20.57	20.57
20	100	0		20.72	20.59	20.51
20	1	0	16-QAM	21.28	21.20	21.23
20	1	49		20.72	20.59	20.54
20	1	99		20.99	20.84	20.80
20	50	0		19.81	19.82	19.67
20	50	24		19.66	19.54	19.54
20	50	50		19.60	19.53	19.53
20	100	0		19.76	19.65	19.54
20	1	0	64-QAM	20.25	20.17	20.19
20	1	49		19.72	19.62	19.62
20	1	99		19.97	19.87	19.81
20	50	0		19.26	19.29	18.83
20	50	24		19.25	19.09	18.77
20	50	50		19.08	18.77	18.74
20	100	0		19.10	19.04	18.75
15	1	0	QPSK	21.89	21.91	21.83
15	1	37		21.50	21.34	21.24
15	1	74		21.56	21.62	21.52
15	36	0		20.72	20.74	20.65
15	36	20		20.66	20.56	20.40
15	36	39		20.64	20.55	20.45
15	75	0		20.75	20.60	20.47
15	1	0	16-QAM	21.13	21.16	21.01
15	1	37		20.91	20.74	20.69
15	1	74		20.88	20.84	20.70
15	36	0		19.65	19.65	19.62
15	36	20		19.60	19.48	19.40
15	36	39		19.56	19.47	19.38
15	75	0		19.70	19.58	19.48
15	1	0	64-QAM	20.10	20.17	20.02
15	1	37		19.67	19.40	19.38
15	1	74		19.89	19.91	19.83
15	36	0		19.30	19.34	18.79
15	36	20		19.31	19.14	18.60
15	36	39		19.25	18.66	18.58
15	75	0		19.21	19.15	18.65



LTE Band 38 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	21.54	21.47	21.37
10	1	25		21.35	21.24	21.21
10	1	49		21.34	21.25	21.22
10	25	0		20.53	20.46	20.35
10	25	12		20.41	20.39	20.35
10	25	25		20.44	20.38	20.29
10	50	0		20.50	20.42	20.37
10	1	0	16-QAM	20.78	20.72	20.64
10	1	25		20.59	20.50	20.45
10	1	49		20.54	20.47	20.48
10	25	0		19.57	19.48	19.37
10	25	12		19.55	19.40	19.36
10	25	25		19.48	19.40	19.32
10	50	0		19.52	19.41	19.38
10	1	0	64-QAM	19.76	19.68	19.64
10	1	25		19.54	19.45	19.44
10	1	49		19.53	19.44	19.44
10	25	0		18.74	18.68	18.61
10	25	12		18.66	18.62	18.60
10	25	25		18.66	18.63	18.52
10	50	0		18.67	18.64	18.60
5	1	0	QPSK	21.49	21.46	21.33
5	1	12		21.37	21.41	21.30
5	1	24		21.35	21.29	21.22
5	12	0		20.43	20.43	20.33
5	12	7		20.42	20.34	20.36
5	12	13		20.42	20.41	20.36
5	25	0		20.40	20.37	20.36
5	1	0	16-QAM	20.66	20.59	20.51
5	1	12		20.65	20.60	20.59
5	1	24		20.58	20.53	20.45
5	12	0		19.57	19.44	19.38
5	12	7		19.63	19.44	19.43
5	12	13		19.55	19.47	19.36
5	25	0		19.55	19.39	19.44
5	1	0	64-QAM	19.63	19.55	19.47
5	1	12		19.56	19.37	19.44
5	1	24		19.54	19.50	19.43
5	12	0		18.59	18.49	18.45
5	12	7		18.64	18.46	18.52
5	12	13		18.54	18.49	18.47
5	25	0		18.67	18.53	18.59



LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.34	22.21	22.03
20	1	49		21.56	21.52	21.40
20	1	99		21.90	21.80	21.81
20	50	0		20.94	20.85	20.87
20	50	24		20.75	20.78	20.77
20	50	50		20.87	20.72	20.68
20	100	0		20.79	20.77	20.64
20	1	0	16-QAM	21.23	21.17	21.26
20	1	49		20.68	20.52	20.55
20	1	99		20.92	20.71	20.83
20	50	0		19.92	19.86	19.90
20	50	24		19.75	19.80	19.74
20	50	50		19.85	19.73	19.69
20	100	0		19.83	19.79	19.69
20	1	0	64-QAM	20.09	20.12	19.94
20	1	49		19.39	19.55	19.37
20	1	99		19.76	19.83	19.78
20	50	0		18.83	18.89	18.87
20	50	24		18.59	18.81	18.72
20	50	50		18.75	18.74	18.73
20	100	0		18.69	18.83	18.65
15	1	0	QPSK	22.00	22.03	21.92
15	1	37		21.35	21.26	21.20
15	1	74		21.75	21.64	21.78
15	36	0		20.74	20.74	20.88
15	36	20		20.63	20.51	20.66
15	36	39		20.59	20.58	20.69
15	75	0		20.73	20.70	20.69
15	1	0	16-QAM	20.96	20.84	21.17
15	1	37		20.66	20.43	20.61
15	1	74		20.76	20.59	20.78
15	36	0		19.64	19.68	19.76
15	36	20		19.64	19.50	19.66
15	36	39		19.54	19.52	19.60
15	75	0		19.70	19.67	19.70
15	1	0	64-QAM	19.83	19.94	19.89
15	1	37		19.39	19.42	19.38
15	1	74		19.63	19.58	19.73
15	36	0		18.54	18.68	18.75
15	36	20		18.51	18.54	18.56
15	36	39		18.46	18.52	18.55
15	75	0		18.59	18.76	18.68



LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	21.76	21.71	21.67
10	1	25		21.63	21.52	21.46
10	1	49		21.76	21.57	21.58
10	25	0		20.79	20.78	20.67
10	25	12		20.70	20.68	20.62
10	25	25		20.76	20.61	20.66
10	50	0		20.74	20.73	20.66
10	1	0	16-QAM	20.83	20.68	20.80
10	1	25		20.59	20.49	20.54
10	1	49		20.75	20.44	20.55
10	25	0		19.81	19.68	19.61
10	25	12		19.71	19.62	19.61
10	25	25		19.71	19.59	19.63
10	50	0		19.79	19.67	19.67
10	1	0	64-QAM	19.61	19.69	19.53
10	1	25		19.43	19.55	19.41
10	1	49		19.52	19.49	19.46
10	25	0		18.69	18.84	18.67
10	25	12		18.62	18.77	18.61
10	25	25		18.66	18.66	18.63
10	50	0		18.63	18.73	18.61
5	1	0	QPSK	21.73	21.66	21.55
5	1	12		21.67	21.56	21.46
5	1	24		21.56	21.48	21.48
5	12	0		20.67	20.65	20.55
5	12	7		20.76	20.65	20.55
5	12	13		20.67	20.59	20.56
5	25	0		20.69	20.60	20.54
5	1	0	16-QAM	20.67	20.61	20.64
5	1	12		20.77	20.70	20.58
5	1	24		20.57	20.46	20.52
5	12	0		19.64	19.60	19.54
5	12	7		19.70	19.57	19.53
5	12	13		19.66	19.52	19.45
5	25	0		19.74	19.65	19.51
5	1	0	64-QAM	19.53	19.72	19.52
5	1	12		19.47	19.58	19.41
5	1	24		19.43	19.56	19.45
5	12	0		18.54	18.59	18.53
5	12	7		18.55	18.61	18.48
5	12	13		18.56	18.58	18.51
5	25	0		18.61	18.75	18.55



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.97	23.02	22.97
20	1	49		22.08	22.06	21.95
20	1	99		22.43	22.42	22.38
20	50	0		21.51	21.53	21.56
20	50	24		21.23	21.23	21.16
20	50	50		21.27	21.20	21.26
20	100	0		21.47	21.43	21.37
20	1	0	16-QAM	22.31	22.33	22.20
20	1	49		21.34	21.32	21.24
20	1	99		21.74	21.71	21.65
20	50	0		20.58	20.60	20.59
20	50	24		20.31	20.28	20.22
20	50	50		20.25	20.26	20.28
20	100	0		20.45	20.43	20.39
20	1	0	64-QAM	21.21	21.27	21.25
20	1	49		20.27	20.28	20.25
20	1	99		20.65	20.65	20.65
20	50	0		19.60	19.57	19.59
20	50	24		19.30	19.30	19.21
20	50	50		19.23	19.25	19.26
20	100	0		19.42	19.42	19.38
15	1	0	QPSK	22.72	22.82	22.79
15	1	37		22.04	22.09	22.12
15	1	74		22.27	22.33	22.29
15	36	0		21.47	21.45	21.38
15	36	20		21.15	21.20	21.11
15	36	39		21.23	21.18	21.18
15	75	0		21.31	21.32	21.26
15	1	0	16-QAM	21.95	22.05	21.96
15	1	37		21.16	21.33	21.13
15	1	74		21.48	21.54	21.45
15	36	0		20.45	20.44	20.40
15	36	20		20.17	20.23	20.15
15	36	39		20.19	20.17	20.20
15	75	0		20.23	20.33	20.24
15	1	0	64-QAM	20.92	21.03	20.97
15	1	37		20.19	20.26	20.16
15	1	74		20.46	20.55	20.48
15	36	0		19.46	19.44	19.41
15	36	20		19.17	19.26	19.17
15	36	39		19.23	19.19	19.22
15	75	0		19.27	19.34	19.25



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.28	22.32	22.26
10	1	25		21.99	22.00	21.96
10	1	49		22.04	21.98	21.99
10	25	0		21.16	21.27	21.18
10	25	12		21.12	21.13	21.11
10	25	25		21.05	21.05	21.09
10	50	0		21.15	21.16	21.18
10	1	0	16-QAM	21.63	21.63	21.61
10	1	25		21.23	21.27	21.26
10	1	49		21.39	21.27	21.29
10	25	0		20.15	20.28	20.11
10	25	12		20.11	20.10	20.10
10	25	25		20.04	20.04	20.07
10	50	0		20.15	20.13	20.14
10	1	0	64-QAM	20.49	20.50	20.49
10	1	25		20.17	20.18	20.19
10	1	49		20.25	20.18	20.25
10	25	0		19.15	19.30	19.16
10	25	12		19.12	19.13	19.15
10	25	25		19.05	19.06	19.12
10	50	0		19.18	19.21	19.20
5	1	0	QPSK	22.08	22.14	22.12
5	1	12		21.91	21.97	21.98
5	1	24		21.98	21.98	21.96
5	12	0		21.04	21.11	21.10
5	12	7		21.01	21.08	21.09
5	12	13		21.05	21.01	21.03
5	25	0		20.99	21.05	21.02
5	1	0	16-QAM	21.34	21.48	21.38
5	1	12		21.21	21.28	21.27
5	1	24		21.25	21.23	21.22
5	12	0		20.08	20.15	20.09
5	12	7		20.00	20.09	20.04
5	12	13		20.06	20.03	20.02
5	25	0		19.98	20.04	20.05
5	1	0	64-QAM	20.29	20.34	20.30
5	1	12		20.10	20.16	20.17
5	1	24		20.19	20.14	20.14
5	12	0		19.11	19.18	19.19
5	12	7		19.08	19.15	19.14
5	12	13		19.09	19.08	19.10
5	25	0		18.99	19.07	19.06



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	21.95	22.03	22.01
3	1	8		21.93	21.99	22.00
3	1	14		21.86	21.90	21.91
3	8	0		21.01	21.08	21.04
3	8	4		21.00	21.07	21.07
3	8	7		20.98	21.00	21.01
3	15	0		21.00	21.04	21.02
3	1	0	16-QAM	21.25	21.33	21.27
3	1	8		21.24	21.27	21.26
3	1	14		21.15	21.21	21.19
3	8	0		20.09	20.12	20.09
3	8	4		20.09	20.14	20.10
3	8	7		20.00	20.07	20.05
3	15	0		20.02	20.06	20.04
3	1	0	64-QAM	20.18	20.21	20.22
3	1	8		20.12	20.17	20.16
3	1	14		20.08	20.12	20.11
3	8	0		19.07	19.14	19.11
3	8	4		19.09	19.15	19.12
3	8	7		18.99	19.08	19.07
3	15	0		19.02	19.09	19.06
1.4	1	0	QPSK	21.88	21.95	21.94
1.4	1	3		21.95	22.00	21.99
1.4	1	5		21.84	21.92	21.90
1.4	3	0		21.93	21.98	22.01
1.4	3	1		21.97	22.02	22.02
1.4	3	3		21.94	21.97	22.00
1.4	6	0		20.93	20.97	20.97
1.4	1	0	16-QAM	21.21	21.22	21.23
1.4	1	3		21.23	21.29	21.32
1.4	1	5		21.15	21.17	21.19
1.4	3	0		20.96	21.02	21.01
1.4	3	1		21.03	21.06	21.08
1.4	3	3		20.98	21.01	20.99
1.4	6	0		20.00	20.05	20.03
1.4	1	0	64-QAM	20.10	20.13	20.13
1.4	1	3		20.14	20.17	20.16
1.4	1	5		20.07	20.09	20.09
1.4	3	0		20.04	20.12	20.10
1.4	3	1		20.15	20.19	20.17
1.4	3	3		20.06	20.09	20.07
1.4	6	0		18.93	18.99	18.99



<For AT&T>

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.49	22.57	22.47
20	1	49		22.38	22.40	22.26
20	1	99		22.54	22.57	22.46
20	50	0		21.40	21.52	21.52
20	50	24		21.45	21.43	21.41
20	50	50		21.43	21.45	21.45
20	100	0		21.49	21.50	21.55
20	1	0	16-QAM	21.82	21.74	21.72
20	1	49		21.60	21.60	21.50
20	1	99		21.78	21.79	21.81
20	50	0		20.42	20.51	20.48
20	50	24		20.46	20.43	20.36
20	50	50		20.43	20.45	20.37
20	100	0		20.49	20.48	20.48
20	1	0	64-QAM	20.67	20.71	20.64
20	1	49		20.56	20.59	20.41
20	1	99		20.73	20.72	20.68
20	50	0		19.44	19.53	19.52
20	50	24		19.47	19.47	19.39
20	50	50		19.45	19.48	19.41
20	100	0		19.51	19.48	19.53
15	1	0	QPSK	22.38	22.44	22.34
15	1	37		22.34	22.46	22.32
15	1	74		22.40	22.37	22.37
15	36	0		21.44	21.51	21.41
15	36	20		21.36	21.46	21.38
15	36	39		21.37	21.48	21.42
15	75	0		21.42	21.47	21.45
15	1	0	16-QAM	21.68	21.64	21.60
15	1	37		21.54	21.63	21.53
15	1	74		21.56	21.62	21.61
15	36	0		20.41	20.40	20.34
15	36	20		20.37	20.42	20.32
15	36	39		20.36	20.41	20.41
15	75	0		20.38	20.43	20.39
15	1	0	64-QAM	20.53	20.57	20.51
15	1	37		20.45	20.50	20.43
15	1	74		20.58	20.50	20.56
15	36	0		19.45	19.48	19.41
15	36	20		19.40	19.45	19.43
15	36	39		19.41	19.46	19.43
15	75	0		19.45	19.46	19.47



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.51	22.56	22.49
10	1	25		22.22	22.21	22.22
10	1	49		22.23	22.24	22.25
10	25	0		21.42	21.35	21.44
10	25	12		21.33	21.27	21.28
10	25	25		21.22	21.29	21.30
10	50	0		21.36	21.30	21.35
10	1	0	16-QAM	21.84	21.81	21.81
10	1	25		21.47	21.43	21.44
10	1	49		21.48	21.46	21.54
10	25	0		20.39	20.32	20.43
10	25	12		20.31	20.26	20.27
10	25	25		20.18	20.25	20.29
10	50	0		20.34	20.31	20.34
10	1	0	64-QAM	20.75	20.86	20.73
10	1	25		20.46	20.45	20.45
10	1	49		20.47	20.48	20.49
10	25	0		19.41	19.35	19.41
10	25	12		19.33	19.26	19.26
10	25	25		19.23	19.28	19.31
10	50	0		19.37	19.33	19.31
5	1	0	QPSK	22.31	22.32	22.30
5	1	12		22.17	22.20	22.25
5	1	24		22.23	22.27	22.20
5	12	0		21.29	21.27	21.32
5	12	7		21.22	21.22	21.26
5	12	13		21.14	21.15	21.21
5	25	0		21.22	21.17	21.23
5	1	0	16-QAM	21.63	21.53	21.53
5	1	12		21.53	21.52	21.55
5	1	24		21.48	21.46	21.50
5	12	0		20.30	20.32	20.32
5	12	7		20.22	20.24	20.27
5	12	13		20.17	20.18	20.25
5	25	0		20.22	20.21	20.26
5	1	0	64-QAM	20.51	20.53	20.47
5	1	12		20.39	20.47	20.48
5	1	24		20.41	20.45	20.38
5	12	0		19.35	19.32	19.37
5	12	7		19.29	19.26	19.30
5	12	13		19.22	19.18	19.30
5	25	0		19.26	19.21	19.29



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.23	22.29	22.26
3	1	8		22.19	22.20	22.21
3	1	14		22.14	22.12	22.15
3	8	0		21.27	21.22	21.26
3	8	4		21.26	21.20	21.24
3	8	7		21.22	21.14	21.23
3	15	0		21.25	21.18	21.21
3	1	0	16-QAM	21.56	21.47	21.52
3	1	8		21.47	21.39	21.45
3	1	14		21.40	21.32	21.41
3	8	0		20.26	20.23	20.27
3	8	4		20.28	20.22	20.28
3	8	7		20.22	20.17	20.23
3	15	0		20.26	20.22	20.27
3	1	0	64-QAM	20.44	20.42	20.45
3	1	8		20.37	20.34	20.36
3	1	14		20.35	20.29	20.37
3	8	0		19.34	19.27	19.32
3	8	4		19.35	19.29	19.38
3	8	7		19.29	19.23	19.32
3	15	0		19.27	19.21	19.26
1.4	1	0	QPSK	22.15	22.19	22.18
1.4	1	3		22.27	22.25	22.22
1.4	1	5		22.15	22.16	22.16
1.4	3	0		22.23	22.24	22.25
1.4	3	1		22.25	22.24	22.27
1.4	3	3		22.22	22.22	22.22
1.4	6	0		21.18	21.11	21.19
1.4	1	0	16-QAM	21.45	21.46	21.50
1.4	1	3		21.53	21.52	21.54
1.4	1	5		21.42	21.40	21.43
1.4	3	0		21.27	21.24	21.27
1.4	3	1		21.31	21.30	21.32
1.4	3	3		21.25	21.23	21.22
1.4	6	0		20.27	20.23	20.27
1.4	1	0	64-QAM	20.39	20.41	20.38
1.4	1	3		20.44	20.45	20.44
1.4	1	5		20.41	20.36	20.35
1.4	3	0		20.35	20.31	20.34
1.4	3	1		20.40	20.36	20.41
1.4	3	3		20.35	20.28	20.33
1.4	6	0		19.21	19.16	19.21



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.10	21.99	22.05
20	1	49		22.31	22.19	22.39
20	1	99		21.99	22.08	22.09
20	50	0		21.25	21.21	21.31
20	50	24		21.37	21.27	21.41
20	50	50		21.16	21.11	21.23
20	100	0		21.27	21.14	21.29
20	1	0	16-QAM	21.40	21.23	21.35
20	1	49		21.58	21.49	21.68
20	1	99		21.25	21.38	21.30
20	50	0		20.27	20.19	20.32
20	50	24		20.38	20.27	20.42
20	50	50		20.16	20.11	20.28
20	100	0		20.26	20.15	20.31
20	1	0	64-QAM	20.32	20.20	20.25
20	1	49		20.52	20.44	20.61
20	1	99		20.21	20.35	20.29
20	50	0		19.28	19.16	19.30
20	50	24		19.40	19.27	19.42
20	50	50		19.14	19.14	19.27
20	100	0		19.27	19.17	19.32
15	1	0	QPSK	22.06	21.98	22.12
15	1	37		22.46	22.28	22.52
15	1	74		21.94	21.94	22.02
15	36	0		21.32	21.22	21.36
15	36	20		21.37	21.28	21.45
15	36	39		21.17	21.21	21.33
15	75	0		21.33	21.18	21.37
15	1	0	16-QAM	21.34	21.23	21.36
15	1	37		21.59	21.50	21.61
15	1	74		21.17	21.17	21.23
15	36	0		20.31	20.21	20.35
15	36	20		20.39	20.29	20.44
15	36	39		20.16	20.20	20.30
15	75	0		20.29	20.21	20.33
15	1	0	64-QAM	20.26	20.19	20.33
15	1	37		20.50	20.42	20.63
15	1	74		20.11	20.13	20.20
15	36	0		19.33	19.24	19.38
15	36	20		19.40	19.33	19.47
15	36	39		19.19	19.21	19.31
15	75	0		19.31	19.20	19.35



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.35	22.36	22.54
10	1	25		22.21	22.22	22.35
10	1	49		22.43	22.48	22.49
10	25	0		21.37	21.35	21.52
10	25	12		21.32	21.32	21.45
10	25	25		21.42	21.37	21.46
10	50	0		21.36	21.37	21.47
10	1	0	16-QAM	21.70	21.72	21.90
10	1	25		21.52	21.54	21.65
10	1	49		21.76	21.79	21.86
10	25	0		20.32	20.36	20.44
10	25	12		20.33	20.32	20.44
10	25	25		20.37	20.33	20.43
10	50	0		20.35	20.36	20.48
10	1	0	64-QAM	20.58	20.61	20.77
10	1	25		20.44	20.44	20.55
10	1	49		20.66	20.72	20.71
10	25	0		19.35	19.38	19.50
10	25	12		19.34	19.35	19.47
10	25	25		19.42	19.39	19.48
10	50	0		19.41	19.39	19.52
5	1	0	QPSK	22.28	22.34	22.45
5	1	12		22.18	22.19	22.30
5	1	24		22.20	22.22	22.30
5	12	0		21.29	21.33	21.45
5	12	7		21.29	21.33	21.39
5	12	13		21.26	21.25	21.37
5	25	0		21.26	21.27	21.36
5	1	0	16-QAM	21.59	21.66	21.77
5	1	12		21.52	21.51	21.63
5	1	24		21.53	21.53	21.58
5	12	0		20.33	20.35	20.47
5	12	7		20.30	20.31	20.39
5	12	13		20.28	20.28	20.36
5	25	0		20.26	20.30	20.38
5	1	0	64-QAM	20.51	20.58	20.66
5	1	12		20.41	20.41	20.50
5	1	24		20.42	20.41	20.49
5	12	0		19.39	19.41	19.50
5	12	7		19.35	19.39	19.48
5	12	13		19.34	19.33	19.44
5	25	0		19.29	19.30	19.40



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.18	22.23	22.37
3	1	8		22.19	22.19	22.31
3	1	14		22.16	22.13	22.23
3	8	0		21.27	21.31	21.37
3	8	4		21.27	21.29	21.37
3	8	7		21.23	21.29	21.37
3	15	0		21.24	21.29	21.36
3	1	0	16-QAM	21.52	21.54	21.65
3	1	8		21.51	21.58	21.58
3	1	14		21.45	21.47	21.54
3	8	0		20.32	20.37	20.42
3	8	4		20.36	20.38	20.42
3	8	7		20.30	20.33	20.38
3	15	0		20.26	20.31	20.38
3	1	0	64-QAM	20.39	20.43	20.54
3	1	8		20.37	20.35	20.48
3	1	14		20.35	20.38	20.44
3	8	0		19.33	19.38	19.44
3	8	4		19.35	19.39	19.45
3	8	7		19.30	19.36	19.43
3	15	0		19.30	19.34	19.41
1.4	1	0	QPSK	22.09	22.17	22.25
1.4	1	3		22.17	22.23	22.31
1.4	1	5		22.10	22.15	22.23
1.4	3	0		22.16	22.19	22.29
1.4	3	1		22.20	22.25	22.33
1.4	3	3		22.15	22.21	22.29
1.4	6	0		21.19	21.22	21.32
1.4	1	0	16-QAM	21.41	21.45	21.55
1.4	1	3		21.52	21.53	21.61
1.4	1	5		21.40	21.43	21.51
1.4	3	0		21.21	21.26	21.32
1.4	3	1		21.28	21.29	21.38
1.4	3	3		21.21	21.22	21.29
1.4	6	0		20.27	20.31	20.36
1.4	1	0	64-QAM	20.33	20.39	20.45
1.4	1	3		20.43	20.45	20.51
1.4	1	5		20.32	20.38	20.42
1.4	3	0		20.32	20.37	20.43
1.4	3	1		20.36	20.41	20.48
1.4	3	3		20.30	20.34	20.40
1.4	6	0		19.21	19.25	19.33



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.39	22.46	22.57
10	1	25		22.35	22.50	22.48
10	1	49		22.40	22.44	22.39
10	25	0		21.53	21.53	21.60
10	25	12		21.53	21.60	21.61
10	25	25		21.52	21.57	21.65
10	50	0		21.61	21.56	21.64
10	1	0	16-QAM	21.67	21.65	21.82
10	1	25		21.62	21.77	21.76
10	1	49		21.70	21.69	21.70
10	25	0		20.51	20.50	20.58
10	25	12		20.56	20.58	20.67
10	25	25		20.52	20.54	20.68
10	50	0		20.57	20.52	20.65
10	1	0	64-QAM	20.57	20.53	20.70
10	1	25		20.51	20.67	20.68
10	1	49		20.52	20.61	20.57
10	25	0		19.50	19.51	19.64
10	25	12		19.54	19.58	19.63
10	25	25		19.57	19.55	19.68
10	50	0		19.59	19.52	19.65
5	1	0	QPSK	22.46	22.51	22.51
5	1	12		22.38	22.43	22.45
5	1	24		22.39	22.46	22.46
5	12	0		21.48	21.50	21.58
5	12	7		21.50	21.57	21.60
5	12	13		21.47	21.53	21.56
5	25	0		21.45	21.50	21.60
5	1	0	16-QAM	21.76	21.80	21.79
5	1	12		21.67	21.77	21.69
5	1	24		21.70	21.69	21.71
5	12	0		20.52	20.50	20.60
5	12	7		20.51	20.55	20.61
5	12	13		20.49	20.54	20.56
5	25	0		20.50	20.53	20.68
5	1	0	64-QAM	20.66	20.63	20.71
5	1	12		20.52	20.52	20.56
5	1	24		20.58	20.59	20.64
5	12	0		19.55	19.56	19.66
5	12	7		19.55	19.63	19.67
5	12	13		19.53	19.61	19.63
5	25	0		19.46	19.51	19.62



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.44	22.39	22.45
3	1	8		22.41	22.40	22.47
3	1	14		22.36	22.48	22.44
3	8	0		21.47	21.42	21.51
3	8	4		21.47	21.56	21.56
3	8	7		21.44	21.48	21.56
3	15	0		21.46	21.49	21.53
3	1	0	16-QAM	21.71	21.69	21.78
3	1	8		21.68	21.69	21.75
3	1	14		21.65	21.76	21.73
3	8	0		20.58	20.50	20.65
3	8	4		20.59	20.67	20.68
3	8	7		20.58	20.55	20.70
3	15	0		20.50	20.53	20.65
3	1	0	64-QAM	20.59	20.50	20.67
3	1	8		20.56	20.54	20.65
3	1	14		20.56	20.63	20.65
3	8	0		19.49	19.45	19.60
3	8	4		19.51	19.59	19.64
3	8	7		19.49	19.52	19.61
3	15	0		19.48	19.53	19.58
1.4	1	0	QPSK	22.38	22.38	22.38
1.4	1	3		22.41	22.47	22.43
1.4	1	5		22.33	22.42	22.37
1.4	3	0		22.46	22.44	22.49
1.4	3	1		22.49	22.50	22.52
1.4	3	3		22.45	22.46	22.50
1.4	6	0		21.42	21.48	21.47
1.4	1	0	16-QAM	21.67	21.63	21.67
1.4	1	3		21.70	21.79	21.72
1.4	1	5		21.62	21.66	21.63
1.4	3	0		21.47	21.42	21.48
1.4	3	1		21.53	21.54	21.53
1.4	3	3		21.46	21.45	21.46
1.4	6	0		20.49	20.51	20.52
1.4	1	0	64-QAM	20.56	20.51	20.58
1.4	1	3		20.62	20.62	20.63
1.4	1	5		20.55	20.58	20.54
1.4	3	0		20.61	20.52	20.67
1.4	3	1		20.67	20.63	20.72
1.4	3	3		20.61	20.58	20.67
1.4	6	0		19.39	19.43	19.45



LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	21.91	21.90	21.87
10	1	25		21.90	21.83	21.87
10	1	49		21.95	21.95	21.94
10	25	0		21.08	21.08	21.02
10	25	12		21.10	21.10	21.04
10	25	25		21.10	21.08	21.06
10	50	0		21.11	21.06	21.05
10	1	0	16-QAM	21.24	21.26	21.21
10	1	25		21.23	21.18	21.21
10	1	49		21.27	21.29	21.23
10	25	0		20.03	20.07	19.99
10	25	12		20.07	20.10	20.03
10	25	25		20.09	20.05	20.02
10	50	0		20.09	20.03	20.09
10	1	0	64-QAM	20.10	20.14	20.16
10	1	25		20.13	20.11	20.14
10	1	49		20.24	20.23	20.11
10	25	0		19.03	19.04	18.99
10	25	12		19.05	19.06	18.99
10	25	25		19.08	19.02	18.99
10	50	0		19.06	18.99	19.09
5	1	0	QPSK	21.97	21.92	21.83
5	1	12		21.90	21.83	21.77
5	1	24		21.98	21.90	21.77
5	12	0		21.08	20.98	20.98
5	12	7		21.08	20.99	20.96
5	12	13		21.07	20.95	20.92
5	25	0		21.02	20.94	21.00
5	1	0	16-QAM	21.29	21.26	21.17
5	1	12		21.30	21.22	21.18
5	1	24		21.30	21.22	21.08
5	12	0		20.09	19.99	20.04
5	12	7		20.08	20.01	19.95
5	12	13		20.07	20.06	19.89
5	25	0		20.04	20.05	20.00
5	1	0	64-QAM	20.16	20.15	20.11
5	1	12		20.11	20.15	20.01
5	1	24		20.26	20.14	19.95
5	12	0		19.08	19.00	19.03
5	12	7		19.12	19.02	18.96
5	12	13		19.09	19.05	18.92
5	25	0		19.01	18.97	18.94



LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	21.92	21.88	21.84
3	1	8		21.92	21.83	21.77
3	1	14		21.89	21.88	21.72
3	8	0		21.06	20.93	20.94
3	8	4		21.06	20.97	20.87
3	8	7		21.04	20.98	20.86
3	15	0		21.05	20.97	20.82
3	1	0	16-QAM	21.26	21.19	21.16
3	1	8		21.28	21.18	21.09
3	1	14		21.28	21.22	21.07
3	8	0		20.14	20.02	20.00
3	8	4		20.15	20.09	19.95
3	8	7		20.10	20.08	19.90
3	15	0		20.05	20.03	19.88
3	1	0	64-QAM	20.14	20.10	20.03
3	1	8		20.13	20.10	19.98
3	1	14		20.19	20.13	19.95
3	8	0		19.06	18.94	18.97
3	8	4		19.08	18.99	18.93
3	8	7		19.06	19.01	18.91
3	15	0		19.07	18.98	18.84
1.4	1	0	QPSK	21.91	21.83	21.76
1.4	1	3		21.95	21.85	21.81
1.4	1	5		21.91	21.82	21.69
1.4	3	0		22.02	21.88	21.87
1.4	3	1		22.05	21.96	21.84
1.4	3	3		22.01	21.85	21.89
1.4	6	0		21.00	20.93	20.84
1.4	1	0	16-QAM	21.21	21.17	21.06
1.4	1	3		21.28	21.22	21.15
1.4	1	5		21.20	21.12	20.96
1.4	3	0		21.03	20.90	20.85
1.4	3	1		21.11	21.01	20.86
1.4	3	3		21.01	20.88	20.85
1.4	6	0		20.05	19.99	19.85
1.4	1	0	64-QAM	20.06	20.07	19.94
1.4	1	3		20.15	20.08	19.99
1.4	1	5		20.08	20.02	19.87
1.4	3	0		20.14	20.07	20.00
1.4	3	1		20.23	20.17	19.98
1.4	3	3		20.14	20.01	19.96
1.4	6	0		18.96	18.89	18.76



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.93	22.99	22.94
20	1	49		22.12	22.07	22.52
20	1	99		22.62	22.59	22.85
20	50	0		21.59	21.62	21.88
20	50	24		21.33	21.26	21.63
20	50	50		21.52	21.29	21.67
20	100	0		21.55	21.46	21.79
20	1	0	16-QAM	21.84	21.94	21.84
20	1	49		21.38	21.35	21.72
20	1	99		21.91	21.88	22.15
20	50	0		20.67	20.66	20.82
20	50	24		20.36	20.30	20.61
20	50	50		20.42	20.32	20.63
20	100	0		20.52	20.45	20.72
20	1	0	64-QAM	20.90	20.94	20.87
20	1	49		20.30	20.30	20.65
20	1	99		20.82	20.80	20.86
20	50	0		19.69	19.68	19.85
20	50	24		19.37	19.35	19.60
20	50	50		19.39	19.33	19.63
20	100	0		19.53	19.45	19.72
15	1	0	QPSK	22.90	22.96	22.83
15	1	37		22.08	22.19	22.21
15	1	74		22.52	22.45	22.54
15	36	0		21.53	21.50	21.57
15	36	20		21.19	21.25	21.32
15	36	39		21.26	21.28	21.36
15	75	0		21.36	21.38	21.48
15	1	0	16-QAM	21.91	21.89	21.84
15	1	37		21.26	21.34	21.41
15	1	74		21.70	21.64	21.84
15	36	0		20.53	20.46	20.51
15	36	20		20.21	20.24	20.30
15	36	39		20.25	20.23	20.32
15	75	0		20.28	20.33	20.41
15	1	0	64-QAM	20.91	20.98	20.96
15	1	37		20.19	20.27	20.34
15	1	74		20.64	20.58	20.75
15	36	0		19.55	19.47	19.54
15	36	20		19.25	19.25	19.29
15	36	39		19.29	19.26	19.32
15	75	0		19.34	19.36	19.41



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.43	22.45	22.34
10	1	25		22.09	22.07	22.12
10	1	49		22.18	22.12	22.18
10	25	0		21.29	21.37	21.35
10	25	12		21.23	21.19	21.28
10	25	25		21.18	21.20	21.20
10	50	0		21.27	21.22	21.29
10	1	0	16-QAM	21.73	21.79	21.71
10	1	25		21.35	21.34	21.43
10	1	49		21.49	21.38	21.52
10	25	0		20.27	20.35	20.31
10	25	12		20.21	20.18	20.24
10	25	25		20.15	20.18	20.17
10	50	0		20.28	20.24	20.29
10	1	0	64-QAM	20.66	20.65	20.60
10	1	25		20.28	20.26	20.31
10	1	49		20.39	20.30	20.37
10	25	0		19.25	19.37	19.30
10	25	12		19.24	19.19	19.25
10	25	25		19.19	19.18	19.17
10	50	0		19.33	19.26	19.31
5	1	0	QPSK	22.24	22.28	22.23
5	1	12		22.07	22.06	22.04
5	1	24		22.15	22.11	22.09
5	12	0		21.20	21.20	21.24
5	12	7		21.13	21.12	21.19
5	12	13		21.16	21.07	21.21
5	25	0		21.14	21.11	21.14
5	1	0	16-QAM	21.48	21.56	21.55
5	1	12		21.34	21.35	21.37
5	1	24		21.41	21.39	21.44
5	12	0		20.25	20.23	20.25
5	12	7		20.17	20.16	20.16
5	12	13		20.24	20.11	20.21
5	25	0		20.14	20.14	20.16
5	1	0	64-QAM	20.43	20.45	20.45
5	1	12		20.26	20.25	20.27
5	1	24		20.33	20.31	20.30
5	12	0		19.25	19.29	19.28
5	12	7		19.18	19.21	19.20
5	12	13		19.28	19.13	19.26
5	25	0		19.12	19.15	19.14



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.13	22.15	22.07
3	1	8		22.14	22.09	22.14
3	1	14		22.05	22.00	22.03
3	8	0		21.18	21.12	21.14
3	8	4		21.18	21.12	21.25
3	8	7		21.13	21.10	21.21
3	15	0		21.17	21.11	21.21
3	1	0	16-QAM	21.40	21.40	21.41
3	1	8		21.38	21.32	21.48
3	1	14		21.27	21.24	21.42
3	8	0		20.27	20.19	20.20
3	8	4		20.25	20.19	20.31
3	8	7		20.18	20.13	20.26
3	15	0		20.19	20.14	20.23
3	1	0	64-QAM	20.38	20.32	20.28
3	1	8		20.29	20.24	20.31
3	1	14		20.25	20.17	20.27
3	8	0		19.20	19.19	19.16
3	8	4		19.20	19.19	19.25
3	8	7		19.15	19.12	19.20
3	15	0		19.14	19.14	19.23
1.4	1	0	QPSK	22.06	22.02	22.07
1.4	1	3		22.12	22.06	22.13
1.4	1	5		22.02	21.96	22.05
1.4	3	0		22.11	22.07	22.16
1.4	3	1		22.15	22.09	22.16
1.4	3	3		22.11	22.02	22.11
1.4	6	0		21.11	21.01	21.15
1.4	1	0	16-QAM	21.36	21.28	21.38
1.4	1	3		21.40	21.31	21.40
1.4	1	5		21.31	21.20	21.30
1.4	3	0		21.09	21.06	21.19
1.4	3	1		21.17	21.10	21.20
1.4	3	3		21.12	21.02	21.16
1.4	6	0		20.16	20.10	20.19
1.4	1	0	64-QAM	20.23	20.18	20.26
1.4	1	3		20.28	20.21	20.29
1.4	1	5		20.20	20.12	20.20
1.4	3	0		20.25	20.19	20.27
1.4	3	1		20.30	20.24	20.33
1.4	3	3		20.22	20.15	20.25
1.4	6	0		19.07	19.04	19.09



<For Sprint>

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.85	22.94	22.69
20	1	49		22.73	22.43	22.27
20	1	99		22.89	22.68	22.58
20	50	0		21.74	21.65	21.65
20	50	24		21.77	21.46	21.51
20	50	50		21.74	21.60	21.55
20	100	0		21.82	21.64	21.69
20	1	0	16-QAM	22.10	21.90	21.65
20	1	49		21.91	21.57	21.71
20	1	99		22.08	22.00	21.96
20	50	0		20.74	20.75	20.71
20	50	24		20.79	20.61	20.49
20	50	50		20.75	20.63	20.52
20	100	0		20.81	20.68	20.64
20	1	0	64-QAM	21.03	21.61	21.75
20	1	49		20.95	21.72	21.46
20	1	99		21.08	21.73	21.95
20	50	0		19.74	20.54	20.52
20	50	24		19.76	20.60	20.39
20	50	50		19.76	20.53	20.43
20	100	0		19.83	20.68	20.77
15	1	0	QPSK	22.48	22.57	22.38
15	1	37		22.57	22.34	22.24
15	1	74		22.51	22.57	22.45
15	36	0		21.55	21.53	21.54
15	36	20		21.45	21.50	21.50
15	36	39		21.48	21.60	21.56
15	75	0		21.56	21.52	21.57
15	1	0	16-QAM	21.54	21.72	21.67
15	1	37		21.41	21.60	21.60
15	1	74		21.54	21.57	21.85
15	36	0		20.54	20.49	20.54
15	36	20		20.51	20.58	20.50
15	36	39		20.46	20.56	20.55
15	75	0		20.49	20.45	20.40
15	1	0	64-QAM	21.66	21.54	21.70
15	1	37		21.78	21.86	21.74
15	1	74		21.73	21.63	21.77
15	36	0		20.53	20.63	20.41
15	36	20		20.52	20.49	20.51
15	36	39		20.57	20.57	20.63
15	75	0		20.50	20.47	20.54



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.63	22.71	22.58
10	1	25		22.28	22.30	22.35
10	1	49		22.32	22.30	22.32
10	25	0		21.51	21.51	21.50
10	25	12		21.45	21.37	21.31
10	25	25		21.38	21.35	21.44
10	50	0		21.43	21.40	21.53
10	1	0	16-QAM	22.17	22.12	22.07
10	1	25		21.81	21.87	21.81
10	1	49		21.65	21.77	21.87
10	25	0		20.47	20.49	20.49
10	25	12		20.42	20.44	20.40
10	25	25		20.23	20.31	20.47
10	50	0		20.44	20.43	20.34
10	1	0	64-QAM	21.84	21.78	21.80
10	1	25		21.28	21.38	21.27
10	1	49		21.41	21.29	21.40
10	25	0		20.56	20.47	20.59
10	25	12		20.42	20.43	20.40
10	25	25		20.35	20.49	20.42
10	50	0		20.44	20.41	20.48
5	1	0	QPSK	22.35	22.37	22.37
5	1	12		22.21	22.29	22.20
5	1	24		22.29	22.19	22.21
5	12	0		21.40	21.36	21.31
5	12	7		21.33	21.28	21.39
5	12	13		21.27	21.18	21.22
5	25	0		21.36	21.21	21.37
5	1	0	16-QAM	21.73	21.33	21.52
5	1	12		21.60	21.51	21.53
5	1	24		21.41	21.40	21.45
5	12	0		20.39	20.45	20.46
5	12	7		20.32	20.26	20.37
5	12	13		20.26	20.26	20.32
5	25	0		20.36	20.34	20.37
5	1	0	64-QAM	21.67	21.51	21.49
5	1	12		21.61	21.36	21.44
5	1	24		21.40	21.27	21.34
5	12	0		20.33	20.28	20.39
5	12	7		20.23	20.21	20.33
5	12	13		20.20	20.20	20.27
5	25	0		20.29	20.36	20.30



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.30	22.46	22.31
3	1	8		22.45	22.37	22.24
3	1	14		22.28	22.25	22.25
3	8	0		21.37	21.25	21.29
3	8	4		21.36	21.33	21.32
3	8	7		21.34	21.26	21.37
3	15	0		21.32	21.19	21.31
3	1	0	16-QAM	21.46	21.42	21.43
3	1	8		21.46	21.56	21.39
3	1	14		21.36	21.38	21.58
3	8	0		20.44	20.53	20.53
3	8	4		20.47	20.45	20.43
3	8	7		20.40	20.59	20.36
3	15	0		20.40	20.52	20.41
3	1	0	64-QAM	20.63	20.60	20.65
3	1	8		20.59	20.61	20.53
3	1	14		20.51	20.69	20.41
3	8	0		19.52	19.64	19.56
3	8	4		19.61	19.55	19.66
3	8	7		19.56	19.37	19.53
3	15	0		19.25	19.12	19.26
1.4	1	0	QPSK	22.27	22.32	22.22
1.4	1	3		22.39	22.42	22.25
1.4	1	5		22.34	22.38	22.21
1.4	3	0		22.38	22.37	22.46
1.4	3	1		22.41	22.31	22.37
1.4	3	3		22.34	22.28	22.47
1.4	6	0		21.22	21.17	21.33
1.4	1	0	16-QAM	21.77	21.75	21.58
1.4	1	3		21.70	21.61	21.68
1.4	1	5		21.45	21.35	21.63
1.4	3	0		21.49	21.50	21.14
1.4	3	1		21.40	21.40	21.24
1.4	3	3		21.35	21.29	21.21
1.4	6	0		20.42	20.34	20.44
1.4	1	0	64-QAM	20.39	20.34	20.71
1.4	1	3		20.28	20.46	20.56
1.4	1	5		20.26	20.15	20.72
1.4	3	0		20.12	20.00	20.48
1.4	3	1		20.29	20.20	20.52
1.4	3	3		20.19	20.02	20.52
1.4	6	0		19.32	19.27	19.29



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.55	22.57	22.46
20	1	49		22.34	22.18	22.25
20	1	99		22.57	22.58	22.39
20	50	0		21.62	21.49	21.48
20	50	24		21.51	21.44	21.43
20	50	50		21.62	21.55	21.41
20	100	0		21.56	21.42	21.55
20	1	0	16-QAM	21.84	21.78	21.79
20	1	49		21.69	21.64	21.72
20	1	99		21.93	21.92	21.81
20	50	0		20.66	20.55	20.53
20	50	24		20.55	20.41	20.48
20	50	50		20.65	20.59	20.46
20	100	0		20.59	20.45	20.59
20	1	0	64-QAM	21.38	21.55	21.34
20	1	49		21.31	21.27	21.23
20	1	99		21.54	21.57	21.33
20	50	0		20.60	20.50	20.37
20	50	24		20.50	20.37	20.42
20	50	50		20.58	20.54	20.41
20	100	0		20.66	20.52	20.45
15	1	0	QPSK	22.44	22.37	22.60
15	1	37		22.37	22.18	23.07
15	1	74		22.48	22.50	21.99
15	36	0		21.38	21.38	21.47
15	36	20		21.38	21.36	21.43
15	36	39		21.50	21.50	21.38
15	75	0		21.52	21.43	21.46
15	1	0	16-QAM	21.42	21.48	21.59
15	1	37		21.18	21.19	21.16
15	1	74		21.37	21.30	21.53
15	36	0		20.53	20.42	20.37
15	36	20		20.49	20.38	20.33
15	36	39		20.55	20.40	20.32
15	75	0		20.55	20.46	20.41
15	1	0	64-QAM	21.56	21.63	21.41
15	1	37		21.72	21.65	21.48
15	1	74		21.49	21.64	21.23
15	36	0		20.37	20.39	20.45
15	36	20		20.48	20.47	20.32
15	36	39		20.51	20.50	20.39
15	75	0		20.40	20.46	20.48



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.48	22.48	22.20
10	1	25		22.36	22.32	22.40
10	1	49		22.53	22.61	22.78
10	25	0		21.49	21.52	21.28
10	25	12		21.42	21.45	21.31
10	25	25		21.42	21.44	21.39
10	50	0		21.47	21.41	21.38
10	1	0	16-QAM	21.98	21.93	22.17
10	1	25		21.87	21.90	21.93
10	1	49		22.06	22.15	21.77
10	25	0		20.40	20.44	20.21
10	25	12		20.45	20.38	20.35
10	25	25		20.44	20.47	20.43
10	50	0		20.47	20.41	20.31
10	1	0	64-QAM	21.52	21.48	21.69
10	1	25		21.37	21.46	21.51
10	1	49		21.75	21.64	22.38
10	25	0		20.40	20.42	20.35
10	25	12		20.44	20.47	20.34
10	25	25		20.44	20.47	20.45
10	50	0		20.45	20.44	20.42
5	1	0	QPSK	22.32	22.56	22.46
5	1	12		22.38	22.18	22.11
5	1	24		22.34	22.35	22.26
5	12	0		21.50	21.42	21.25
5	12	7		21.30	21.45	21.37
5	12	13		21.34	21.47	21.20
5	25	0		21.31	21.34	21.18
5	1	0	16-QAM	21.98	21.88	21.49
5	1	12		21.78	21.67	21.35
5	1	24		21.80	21.71	21.59
5	12	0		20.36	20.42	20.25
5	12	7		20.28	20.44	20.30
5	12	13		20.33	20.35	20.24
5	25	0		20.26	20.32	20.21
5	1	0	64-QAM	21.72	21.40	21.59
5	1	12		21.52	21.43	21.58
5	1	24		21.61	21.63	21.43
5	12	0		20.40	20.47	20.43
5	12	7		20.45	20.48	20.35
5	12	13		20.50	20.39	20.19
5	25	0		20.29	20.35	20.26



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.24	22.39	22.09
3	1	8		22.31	22.32	22.22
3	1	14		22.35	22.43	22.22
3	8	0		21.37	21.45	21.28
3	8	4		21.39	21.40	21.24
3	8	7		21.44	21.34	21.50
3	15	0		21.37	21.31	21.20
3	1	0	16-QAM	21.22	21.44	21.26
3	1	8		21.35	21.31	21.26
3	1	14		21.23	21.37	21.16
3	8	0		20.42	20.45	20.24
3	8	4		20.55	20.41	20.31
3	8	7		20.42	20.36	20.33
3	15	0		20.23	20.27	20.21
3	1	0	64-QAM	20.61	20.42	20.13
3	1	8		20.37	20.35	20.21
3	1	14		20.33	20.36	20.23
3	8	0		19.37	19.50	19.39
3	8	4		19.48	19.39	19.28
3	8	7		19.46	19.42	19.43
3	15	0		19.37	19.36	19.33
1.4	1	0	QPSK	22.28	22.25	22.14
1.4	1	3		22.43	22.31	22.36
1.4	1	5		22.24	22.19	22.18
1.4	3	0		22.67	22.44	22.34
1.4	3	1		22.34	22.29	22.29
1.4	3	3		22.28	22.40	22.32
1.4	6	0		21.27	21.27	21.28
1.4	1	0	16-QAM	22.01	21.73	21.65
1.4	1	3		21.90	21.84	21.83
1.4	1	5		21.71	21.73	21.58
1.4	3	0		21.37	21.24	21.39
1.4	3	1		21.48	21.44	21.27
1.4	3	3		21.16	21.44	21.20
1.4	6	0		20.34	20.30	20.44
1.4	1	0	64-QAM	20.69	20.52	20.21
1.4	1	3		20.69	20.50	20.45
1.4	1	5		20.37	20.50	20.48
1.4	3	0		20.56	20.46	20.61
1.4	3	1		20.69	20.54	20.69
1.4	3	3		20.58	20.56	20.52
1.4	6	0		19.36	19.33	19.14



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.08	22.06	22.10
20	1	49		22.32	22.22	22.34
20	1	99		22.08	22.11	22.07
20	50	0		21.34	21.29	21.38
20	50	24		21.49	21.42	21.46
20	50	50		21.30	21.28	21.30
20	100	0		21.35	21.28	21.42
20	1	0	16-QAM	21.52	21.42	21.33
20	1	49		21.58	21.61	21.69
20	1	99		21.38	21.40	21.31
20	50	0		20.45	20.23	20.41
20	50	24		20.61	20.45	20.62
20	50	50		20.33	20.29	20.42
20	100	0		20.36	20.28	20.42
20	1	0	64-QAM	21.32	21.21	21.07
20	1	49		21.60	21.51	21.31
20	1	99		21.09	21.28	21.03
20	50	0		20.37	20.15	20.36
20	50	24		20.43	20.39	20.43
20	50	50		20.13	20.22	20.36
20	100	0		20.50	20.31	20.39
15	1	0	QPSK	21.96	21.89	22.17
15	1	37		22.63	22.27	22.49
15	1	74		21.97	21.93	22.15
15	36	0		21.26	21.34	21.44
15	36	20		21.50	21.42	21.44
15	36	39		21.28	21.24	21.34
15	75	0		21.35	21.33	21.41
15	1	0	16-QAM	21.53	21.25	21.06
15	1	37		21.42	21.01	21.25
15	1	74		21.05	20.85	21.24
15	36	0		20.27	20.23	20.37
15	36	20		20.43	20.36	20.58
15	36	39		20.21	20.27	20.34
15	75	0		20.32	20.36	20.40
15	1	0	64-QAM	21.15	21.50	21.40
15	1	37		21.74	21.50	21.48
15	1	74		21.08	21.09	21.13
15	36	0		20.42	20.33	20.43
15	36	20		20.48	20.33	20.43
15	36	39		20.18	20.24	20.33
15	75	0		20.36	20.17	20.41



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.41	22.49	22.60
10	1	25		22.22	22.34	22.41
10	1	49		22.30	22.55	22.50
10	25	0		21.34	21.38	21.62
10	25	12		21.31	21.37	21.50
10	25	25		21.41	21.41	21.54
10	50	0		21.37	21.50	21.53
10	1	0	16-QAM	21.99	21.86	22.09
10	1	25		21.88	21.85	21.79
10	1	49		21.97	22.05	21.93
10	25	0		20.39	20.46	20.50
10	25	12		20.36	20.35	20.46
10	25	25		20.46	20.42	20.61
10	50	0		20.43	20.49	20.58
10	1	0	64-QAM	21.88	21.91	22.05
10	1	25		21.74	21.82	21.94
10	1	49		21.97	21.63	22.13
10	25	0		20.47	20.35	20.37
10	25	12		20.45	20.34	20.45
10	25	25		20.45	20.39	20.49
10	50	0		20.40	20.45	20.56
5	1	0	QPSK	22.28	22.29	22.38
5	1	12		22.10	22.24	22.18
5	1	24		22.14	22.13	22.15
5	12	0		21.33	21.38	21.37
5	12	7		21.33	21.40	21.39
5	12	13		21.25	21.32	21.40
5	25	0		21.25	21.32	21.37
5	1	0	16-QAM	21.61	21.64	21.71
5	1	12		21.65	21.26	21.53
5	1	24		21.50	21.54	21.45
5	12	0		20.35	20.43	20.33
5	12	7		20.35	20.25	20.35
5	12	13		20.39	20.36	20.28
5	25	0		20.40	20.35	20.38
5	1	0	64-QAM	21.55	21.59	21.44
5	1	12		21.24	21.21	21.47
5	1	24		21.10	21.20	21.26
5	12	0		20.30	20.61	20.49
5	12	7		20.32	20.52	20.51
5	12	13		20.21	20.42	20.51
5	25	0		20.34	20.35	20.39



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.31	22.22	22.34
3	1	8		22.24	22.44	22.39
3	1	14		22.25	22.38	22.20
3	8	0		21.32	21.37	21.43
3	8	4		21.30	21.37	21.43
3	8	7		21.28	21.31	21.37
3	15	0		21.27	21.33	21.40
3	1	0	16-QAM	21.52	21.41	21.28
3	1	8		21.51	21.41	21.23
3	1	14		21.31	21.35	21.27
3	8	0		20.46	20.50	20.44
3	8	4		20.53	20.49	20.56
3	8	7		20.41	20.45	20.49
3	15	0		20.38	20.39	20.46
3	1	0	64-QAM	20.58	20.45	20.67
3	1	8		20.68	20.50	20.66
3	1	14		20.60	20.71	20.70
3	8	0		19.47	19.37	19.42
3	8	4		19.53	19.38	19.31
3	8	7		19.21	19.25	19.37
3	15	0		19.26	19.38	19.32
1.4	1	0	QPSK	22.18	22.40	22.28
1.4	1	3		22.35	22.08	22.43
1.4	1	5		22.07	22.08	22.29
1.4	3	0		22.20	21.99	22.25
1.4	3	1		22.28	22.02	22.28
1.4	3	3		22.04	22.08	22.32
1.4	6	0		21.27	21.26	21.42
1.4	1	0	16-QAM	21.48	21.71	21.70
1.4	1	3		21.57	21.53	21.82
1.4	1	5		21.39	21.70	21.73
1.4	3	0		21.18	21.00	21.36
1.4	3	1		21.25	21.42	21.30
1.4	3	3		21.17	21.08	21.19
1.4	6	0		20.40	20.43	20.50
1.4	1	0	64-QAM	20.60	20.77	20.63
1.4	1	3		20.62	20.40	20.63
1.4	1	5		20.54	20.31	20.54
1.4	3	0		20.40	20.32	20.48
1.4	3	1		20.46	20.27	20.63
1.4	3	3		20.37	20.31	20.42
1.4	6	0		19.21	19.33	19.31



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.52	22.80	22.56
10	1	25		22.36	22.60	22.40
10	1	49		22.35	22.44	22.29
10	25	0		21.44	21.48	21.58
10	25	12		21.48	21.60	21.52
10	25	25		21.48	21.55	21.64
10	50	0		21.68	21.53	21.66
10	1	0	16-QAM	21.75	22.30	21.83
10	1	25		21.79	21.99	21.93
10	1	49		21.99	21.86	21.59
10	25	0		20.44	20.47	20.58
10	25	12		20.51	20.52	20.73
10	25	25		20.44	20.46	20.64
10	50	0		20.62	20.52	20.61
10	1	0	64-QAM	21.89	21.93	21.49
10	1	25		21.77	22.10	21.42
10	1	49		21.80	21.25	21.31
10	25	0		20.55	20.37	20.47
10	25	12		20.48	20.48	20.52
10	25	25		20.39	20.42	20.51
10	50	0		20.56	20.56	20.60
5	1	0	QPSK	22.46	22.44	22.41
5	1	12		22.32	22.49	22.32
5	1	24		22.33	22.41	22.48
5	12	0		21.41	21.46	21.52
5	12	7		21.52	21.42	21.57
5	12	13		21.42	21.57	21.44
5	25	0		21.45	21.46	21.58
5	1	0	16-QAM	21.63	21.64	21.84
5	1	12		21.69	21.72	21.72
5	1	24		21.88	21.24	21.80
5	12	0		20.42	20.47	20.55
5	12	7		20.41	20.43	20.52
5	12	13		20.43	20.47	20.49
5	25	0		20.51	20.53	20.63
5	1	0	64-QAM	21.40	21.40	21.54
5	1	12		21.26	21.18	21.41
5	1	24		21.28	21.35	21.56
5	12	0		20.49	20.55	20.60
5	12	7		20.57	20.70	20.67
5	12	13		20.47	20.56	20.64
5	25	0		20.44	20.53	20.59



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.52	22.49	22.41
3	1	8		22.38	22.38	22.44
3	1	14		22.33	22.41	22.50
3	8	0		21.42	21.39	21.45
3	8	4		21.41	21.57	21.46
3	8	7		21.36	21.45	21.44
3	15	0		21.46	21.48	21.46
3	1	0	16-QAM	21.39	21.46	21.46
3	1	8		21.29	21.29	21.44
3	1	14		21.58	21.40	21.35
3	8	0		20.58	20.46	20.71
3	8	4		20.65	20.73	20.72
3	8	7		20.60	20.61	20.63
3	15	0		20.56	20.57	20.76
3	1	0	64-QAM	20.74	20.65	20.72
3	1	8		20.77	20.58	20.61
3	1	14		20.70	20.69	20.68
3	8	0		19.38	19.43	19.53
3	8	4		19.44	19.58	19.44
3	8	7		19.42	19.41	19.55
3	15	0		19.45	19.54	19.54
1.4	1	0	QPSK	22.48	22.58	22.42
1.4	1	3		22.38	22.59	22.36
1.4	1	5		22.28	22.53	22.22
1.4	3	0		22.44	22.37	22.34
1.4	3	1		22.42	22.52	22.45
1.4	3	3		22.51	22.48	22.46
1.4	6	0		21.33	21.53	21.46
1.4	1	0	16-QAM	21.64	21.65	21.67
1.4	1	3		21.70	21.63	21.72
1.4	1	5		21.58	21.73	21.68
1.4	3	0		21.38	21.26	21.49
1.4	3	1		21.47	21.46	21.55
1.4	3	3		21.33	21.41	21.59
1.4	6	0		20.51	20.52	20.55
1.4	1	0	64-QAM	20.54	20.68	20.74
1.4	1	3		20.62	20.64	20.55
1.4	1	5		20.74	20.99	20.60
1.4	3	0		20.78	20.64	20.71
1.4	3	1		20.63	20.68	20.70
1.4	3	3		20.60	20.60	20.59
1.4	6	0		19.35	19.36	19.50



LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.08	21.90	22.03
10	1	25		21.94	21.89	21.91
10	1	49		21.98	22.03	22.05
10	25	0		21.17	21.12	21.07
10	25	12		21.11	21.17	21.08
10	25	25		21.12	21.12	21.04
10	50	0		21.19	21.17	21.24
10	1	0	16-QAM	21.67	21.75	21.62
10	1	25		21.24	21.51	21.49
10	1	49		21.71	21.52	21.46
10	25	0		20.03	20.17	20.16
10	25	12		20.15	20.24	20.05
10	25	25		20.18	20.19	20.07
10	50	0		20.10	20.08	20.13
10	1	0	64-QAM	21.32	21.01	21.24
10	1	25		21.27	21.04	21.20
10	1	49		21.24	21.16	21.07
10	25	0		20.03	20.08	19.96
10	25	12		20.16	20.15	20.12
10	25	25		20.18	20.07	20.07
10	50	0		20.11	19.98	20.13
5	1	0	QPSK	22.07	22.02	21.91
5	1	12		21.90	21.89	22.00
5	1	24		21.74	22.05	21.93
5	12	0		21.34	21.02	21.01
5	12	7		21.27	21.08	21.02
5	12	13		21.16	20.86	21.00
5	25	0		21.08	21.07	21.18
5	1	0	16-QAM	21.27	21.27	21.24
5	1	12		21.25	21.27	21.29
5	1	24		21.08	21.34	21.24
5	12	0		19.93	20.01	20.09
5	12	7		20.06	20.07	19.99
5	12	13		20.13	20.32	20.00
5	25	0		20.20	20.11	20.06
5	1	0	64-QAM	21.07	20.92	21.09
5	1	12		21.00	21.15	21.47
5	1	24		21.14	21.22	21.02
5	12	0		20.36	20.10	20.06
5	12	7		20.22	20.16	20.05
5	12	13		20.19	20.12	19.97
5	25	0		20.10	20.11	20.01



LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.11	22.01	22.04
3	1	8		21.92	22.06	21.84
3	1	14		22.02	21.98	21.80
3	8	0		21.09	21.07	21.05
3	8	4		21.01	21.05	20.97
3	8	7		21.05	21.09	20.98
3	15	0		21.10	21.04	20.87
3	1	0	16-QAM	20.99	21.20	20.93
3	1	8		20.85	21.02	20.94
3	1	14		20.69	20.94	20.82
3	8	0		20.26	20.04	19.93
3	8	4		20.30	20.26	19.99
3	8	7		20.28	20.15	20.01
3	15	0		20.16	20.14	19.94
3	1	0	64-QAM	20.24	20.13	19.96
3	1	8		20.20	20.21	19.95
3	1	14		20.15	20.14	19.88
3	8	0		19.18	19.02	19.10
3	8	4		19.24	19.17	18.89
3	8	7		19.15	19.13	18.96
3	15	0		19.00	18.96	18.93
1.4	1	0	QPSK	21.85	21.95	21.91
1.4	1	3		21.98	22.04	21.88
1.4	1	5		21.91	21.85	21.85
1.4	3	0		21.95	21.93	21.89
1.4	3	1		22.11	22.04	21.81
1.4	3	3		22.06	21.90	21.86
1.4	6	0		20.98	21.00	20.91
1.4	1	0	16-QAM	21.60	21.46	21.43
1.4	1	3		21.50	21.50	21.18
1.4	1	5		21.51	21.46	21.33
1.4	3	0		21.07	21.04	20.90
1.4	3	1		21.13	21.07	20.94
1.4	3	3		20.97	20.74	20.87
1.4	6	0		20.09	20.02	19.89
1.4	1	0	64-QAM	20.11	19.83	19.91
1.4	1	3		20.08	19.97	20.19
1.4	1	5		20.26	20.22	19.90
1.4	3	0		20.35	20.42	20.28
1.4	3	1		20.43	20.37	20.11
1.4	3	3		20.27	20.31	20.08
1.4	6	0		19.07	18.84	18.69



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	22.61	22.66	22.31
15	1	37		22.51	21.06	22.48
15	1	74		22.34	22.63	22.57
15	36	0		22.05	21.59	21.79
15	36	20		21.80	21.68	22.05
15	36	39		21.62	21.63	21.63
15	75	0		21.79	21.52	21.93
15	1	0	16-QAM	21.57	21.58	22.03
15	1	37		21.45	21.58	21.91
15	1	74		21.41	21.84	21.46
15	36	0		20.33	20.77	20.75
15	36	20		20.66	20.88	21.10
15	36	39		20.56	20.63	20.80
15	75	0		20.85	20.51	20.63
15	1	0	64-QAM	21.90	21.78	21.60
15	1	37		21.59	21.75	21.54
15	1	74		21.83	21.34	21.61
15	36	0		21.10	20.85	20.72
15	36	20		20.76	20.76	20.98
15	36	39		20.64	20.60	20.66
15	75	0		20.65	20.51	20.63
10	1	0	QPSK	23.23	22.63	22.57
10	1	25		22.56	22.48	22.50
10	1	49		22.56	22.55	22.27
10	25	0		21.73	21.64	21.59
10	25	12		21.77	21.64	21.70
10	25	25		21.70	21.61	21.64
10	50	0		21.32	21.58	21.73
10	1	0	16-QAM	21.99	22.19	21.98
10	1	25		22.08	22.00	21.99
10	1	49		22.11	22.01	22.55
10	25	0		20.75	20.62	20.67
10	25	12		20.77	20.75	20.69
10	25	25		20.72	20.62	20.75
10	50	0		21.10	20.69	20.82
10	1	0	64-QAM	22.04	22.10	22.11
10	1	25		22.09	21.99	22.05
10	1	49		22.08	21.99	21.80
10	25	0		20.73	20.65	20.56
10	25	12		20.69	20.62	20.68
10	25	25		20.61	20.60	20.69
10	50	0		20.32	20.63	20.79



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.20	22.70	22.61
5	1	12		22.91	22.51	22.46
5	1	24		22.66	22.52	22.21
5	12	0		21.66	21.51	21.61
5	12	7		22.02	21.62	21.85
5	12	13		21.75	21.55	21.62
5	25	0		21.75	21.56	21.65
5	1	0	16-QAM	22.49	21.92	21.97
5	1	12		21.70	21.85	22.28
5	1	24		22.01	21.89	22.40
5	12	0		20.70	20.65	20.33
5	12	7		20.38	20.62	20.37
5	12	13		20.60	20.48	20.62
5	25	0		20.71	20.50	20.70
5	1	0	64-QAM	22.30	21.71	21.96
5	1	12		22.21	21.63	21.74
5	1	24		21.85	21.80	21.58
5	12	0		20.67	20.61	20.88
5	12	7		21.02	20.53	20.78
5	12	13		20.67	20.54	20.63
5	25	0		20.64	20.55	20.69
3	1	0	QPSK	22.45	22.62	22.55
3	1	8		22.93	22.48	22.51
3	1	14		22.57	22.46	22.18
3	8	0		21.72	21.61	21.63
3	8	4		21.44	21.56	21.55
3	8	7		21.95	21.59	21.38
3	15	0		21.65	21.48	21.62
3	1	0	16-QAM	22.13	21.64	21.57
3	1	8		22.07	21.52	21.60
3	1	14		21.68	21.55	22.07
3	8	0		20.78	20.58	20.67
3	8	4		21.10	20.54	20.76
3	8	7		21.02	20.65	21.01
3	15	0		20.67	20.43	20.70
3	1	0	64-QAM	20.53	20.49	20.71
3	1	8		20.55	20.49	20.64
3	1	14		20.71	20.51	20.50
3	8	0		19.75	19.67	19.84
3	8	4		19.85	19.64	19.75
3	8	7		20.09	19.68	20.00
3	15	0		19.83	19.64	19.73



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	22.60	22.50	22.58
1.4	1	3		22.53	22.32	22.41
1.4	1	5		22.87	22.74	22.36
1.4	3	0		22.59	22.56	22.20
1.4	3	1		22.57	22.32	22.48
1.4	3	3		23.03	22.39	22.58
1.4	6	0		21.61	21.48	21.46
1.4	1	0	16-QAM	21.73	22.04	21.90
1.4	1	3		21.86	21.54	21.55
1.4	1	5		21.48	21.46	21.48
1.4	3	0		21.71	21.67	21.32
1.4	3	1		21.84	21.65	21.68
1.4	3	3		22.16	21.50	21.46
1.4	6	0		20.62	20.47	20.55
1.4	1	0	64-QAM	20.80	20.68	21.04
1.4	1	3		20.79	20.75	20.77
1.4	1	5		20.74	20.52	20.63
1.4	3	0		20.84	20.77	21.06
1.4	3	1		20.83	20.63	20.88
1.4	3	3		20.70	20.51	20.56
1.4	6	0		19.52	19.54	19.32



LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.64	22.64	22.58
20	1	49		22.22	22.82	21.98
20	1	99		22.43	22.24	22.25
20	50	0		21.16	21.44	21.39
20	50	24		21.27	21.25	21.01
20	50	50		21.25	21.21	21.21
20	100	0		21.14	21.25	21.23
20	1	0	16-QAM	21.63	21.81	21.83
20	1	49		21.34	21.45	21.60
20	1	99		21.46	21.30	21.34
20	50	0		20.25	20.24	20.38
20	50	24		20.05	20.18	20.04
20	50	50		19.99	20.24	20.15
20	100	0		20.34	20.43	20.34
20	1	0	64-QAM	20.67	20.29	20.49
20	1	49		19.79	19.98	19.85
20	1	99		20.25	20.06	20.36
20	50	0		19.10	19.16	18.89
20	50	24		18.87	19.07	18.84
20	50	50		19.08	18.92	18.69
20	100	0		18.90	19.11	18.82
15	1	0	QPSK	22.22	22.22	22.16
15	1	37		21.80	22.40	21.56
15	1	74		22.01	21.82	21.83
15	36	0		20.74	21.02	20.97
15	36	20		20.85	20.83	20.59
15	36	39		20.83	20.79	20.79
15	75	0		20.72	20.83	20.81
15	1	0	16-QAM	21.21	21.39	21.41
15	1	37		20.92	21.03	21.18
15	1	74		21.04	20.88	20.92
15	36	0		19.83	19.82	19.96
15	36	20		19.63	19.76	19.62
15	36	39		19.57	19.82	19.73
15	75	0		19.92	20.01	19.92
15	1	0	64-QAM	20.12	19.74	19.94
15	1	37		19.24	19.43	19.30
15	1	74		19.70	19.51	19.81
15	36	0		18.55	18.61	18.34
15	36	20		18.32	18.52	18.29
15	36	39		18.53	18.37	18.14
15	75	0		18.35	18.56	18.27



LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	21.66	21.81	21.46
10	1	25		21.47	21.56	21.42
10	1	49		21.68	21.56	21.61
10	25	0		20.81	20.95	20.84
10	25	12		20.62	20.90	20.83
10	25	25		20.92	20.78	20.73
10	50	0		20.87	20.80	20.83
10	1	0	16-QAM	21.15	20.95	21.19
10	1	25		20.76	20.81	21.09
10	1	49		20.96	20.87	20.75
10	25	0		19.96	19.95	19.89
10	25	12		19.66	19.65	19.64
10	25	25		19.64	19.76	19.85
10	50	0		19.89	19.89	19.84
10	1	0	64-QAM	20.35	19.97	20.17
10	1	25		19.47	19.66	19.53
10	1	49		19.93	19.74	20.04
10	25	0		18.78	18.84	18.57
10	25	12		18.55	18.75	18.52
10	25	25		18.76	18.60	18.37
10	50	0		18.58	18.79	18.50
5	1	0	QPSK	21.74	21.87	21.74
5	1	12		21.63	21.77	21.40
5	1	24		21.56	21.66	21.41
5	12	0		20.51	20.84	20.80
5	12	7		20.76	20.81	20.51
5	12	13		20.59	20.80	20.71
5	25	0		20.74	20.63	20.59
5	1	0	16-QAM	20.67	20.89	20.91
5	1	12		20.91	20.90	20.75
5	1	24		20.74	20.91	20.87
5	12	0		19.73	19.82	19.81
5	12	7		19.78	19.90	19.64
5	12	13		19.71	19.66	19.70
5	25	0		19.58	19.63	19.46
5	1	0	64-QAM	20.33	19.95	20.15
5	1	12		19.45	19.64	19.51
5	1	24		19.91	19.72	20.02
5	12	0		18.76	18.82	18.55
5	12	7		18.53	18.73	18.50
5	12	13		18.74	18.58	18.35
5	25	0		18.56	18.77	18.48



<For VZW>

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.44	22.49	22.41
20	1	49		22.32	22.28	22.21
20	1	99		22.48	22.50	22.42
20	50	0		21.33	21.43	21.45
20	50	24		21.36	21.37	21.36
20	50	50		21.33	21.38	21.37
20	100	0		21.41	21.44	21.50
20	1	0	16-QAM	21.69	21.73	21.66
20	1	49		21.50	21.52	21.44
20	1	99		21.67	21.73	21.74
20	50	0		20.33	20.44	20.42
20	50	24		20.38	20.37	20.28
20	50	50		20.34	20.37	20.31
20	100	0		20.40	20.37	20.42
20	1	0	64-QAM	20.62	20.72	20.60
20	1	49		20.54	20.58	20.45
20	1	99		20.67	20.68	20.64
20	50	0		19.33	19.44	19.45
20	50	24		19.35	19.42	19.32
20	50	50		19.35	19.39	19.33
20	100	0		19.42	19.42	19.47
15	1	0	QPSK	22.29	22.34	22.24
15	1	37		22.18	22.27	22.27
15	1	74		22.30	22.29	22.28
15	36	0		21.35	21.41	21.32
15	36	20		21.26	21.34	21.28
15	36	39		21.28	21.40	21.35
15	75	0		21.32	21.37	21.36
15	1	0	16-QAM	21.55	21.56	21.51
15	1	37		21.41	21.46	21.48
15	1	74		21.45	21.51	21.50
15	36	0		20.32	20.32	20.26
15	36	20		20.27	20.31	20.27
15	36	39		20.29	20.32	20.32
15	75	0		20.29	20.35	20.30
15	1	0	64-QAM	20.47	20.59	20.45
15	1	37		20.40	20.43	20.39
15	1	74		20.49	20.47	20.53
15	36	0		19.34	19.38	19.35
15	36	20		19.32	19.34	19.35
15	36	39		19.31	19.37	19.36
15	75	0		19.35	19.37	19.37



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.44	22.51	22.42
10	1	25		22.15	22.14	22.17
10	1	49		22.16	22.17	22.18
10	25	0		21.33	21.28	21.39
10	25	12		21.26	21.18	21.22
10	25	25		21.15	21.20	21.26
10	50	0		21.29	21.23	21.29
10	1	0	16-QAM	21.80	21.74	21.73
10	1	25		21.39	21.35	21.37
10	1	49		21.40	21.39	21.50
10	25	0		20.30	20.26	20.35
10	25	12		20.21	20.17	20.21
10	25	25		20.09	20.18	20.20
10	50	0		20.25	20.23	20.23
10	1	0	64-QAM	20.69	20.73	20.67
10	1	25		20.34	20.33	20.37
10	1	49		20.36	20.41	20.42
10	25	0		19.33	19.28	19.35
10	25	12		19.26	19.19	19.19
10	25	25		19.15	19.22	19.30
10	50	0		19.30	19.26	19.24
5	1	0	QPSK	22.22	22.21	22.24
5	1	12		22.08	22.10	22.13
5	1	24		22.14	22.19	22.12
5	12	0		21.19	21.19	21.23
5	12	7		21.14	21.13	21.17
5	12	13		21.05	21.08	21.18
5	25	0		21.15	21.12	21.17
5	1	0	16-QAM	21.55	21.47	21.48
5	1	12		21.47	21.46	21.45
5	1	24		21.36	21.40	21.41
5	12	0		20.23	20.23	20.27
5	12	7		20.17	20.17	20.19
5	12	13		20.09	20.12	20.17
5	25	0		20.13	20.12	20.18
5	1	0	64-QAM	20.43	20.44	20.46
5	1	12		20.34	20.35	20.37
5	1	24		20.32	20.36	20.33
5	12	0		19.26	19.25	19.31
5	12	7		19.19	19.18	19.24
5	12	13		19.13	19.11	19.21
5	25	0		19.16	19.14	19.21



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.13	22.20	22.20
3	1	8		22.10	22.15	22.14
3	1	14		22.05	22.07	22.06
3	8	0		21.15	21.13	21.19
3	8	4		21.15	21.14	21.20
3	8	7		21.15	21.10	21.16
3	15	0		21.12	21.10	21.16
3	1	0	16-QAM	21.45	21.47	21.45
3	1	8		21.38	21.36	21.43
3	1	14		21.32	21.25	21.39
3	8	0		20.16	20.18	20.20
3	8	4		20.19	20.19	20.22
3	8	7		20.15	20.10	20.17
3	15	0		20.18	20.15	20.23
3	1	0	64-QAM	20.31	20.34	20.39
3	1	8		20.29	20.27	20.32
3	1	14		20.24	20.22	20.30
3	8	0		19.25	19.22	19.28
3	8	4		19.26	19.22	19.28
3	8	7		19.20	19.12	19.25
3	15	0		19.17	19.13	19.22
1.4	1	0	QPSK	22.05	22.08	22.10
1.4	1	3		22.12	22.15	22.17
1.4	1	5		22.06	22.08	22.08
1.4	3	0		22.11	22.13	22.17
1.4	3	1		22.15	22.18	22.21
1.4	3	3		22.11	22.11	22.15
1.4	6	0		21.09	21.04	21.11
1.4	1	0	16-QAM	21.40	21.43	21.37
1.4	1	3		21.48	21.45	21.45
1.4	1	5		21.35	21.35	21.35
1.4	3	0		21.18	21.14	21.18
1.4	3	1		21.22	21.20	21.24
1.4	3	3		21.16	21.12	21.16
1.4	6	0		20.17	20.15	20.21
1.4	1	0	64-QAM	20.25	20.30	20.28
1.4	1	3		20.32	20.35	20.33
1.4	1	5		20.24	20.22	20.28
1.4	3	0		20.27	20.23	20.27
1.4	3	1		20.32	20.30	20.35
1.4	3	3		20.24	20.19	20.26
1.4	6	0		19.12	19.10	19.13



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.01	21.91	21.99
20	1	49		22.22	22.15	22.27
20	1	99		21.89	22.01	22.00
20	50	0		21.15	21.12	21.23
20	50	24		21.28	21.18	21.33
20	50	50		21.06	21.03	21.14
20	100	0		21.18	21.06	21.25
20	1	0	16-QAM	21.27	21.16	21.24
20	1	49		21.54	21.37	21.57
20	1	99		21.14	21.30	21.24
20	50	0		20.17	20.08	20.24
20	50	24		20.29	20.20	20.35
20	50	50		20.08	20.04	20.19
20	100	0		20.17	20.08	20.15
20	1	0	64-QAM	20.20	20.09	20.22
20	1	49		20.44	20.36	20.51
20	1	99		20.12	20.26	20.22
20	50	0		19.20	19.06	19.22
20	50	24		19.27	19.18	19.35
20	50	50		19.07	19.04	19.19
20	100	0		19.18	19.08	19.23
15	1	0	QPSK	21.98	21.85	22.00
15	1	37		22.45	22.20	22.47
15	1	74		21.80	21.82	21.90
15	36	0		21.22	21.11	21.26
15	36	20		21.28	21.19	21.35
15	36	39		21.09	21.11	21.19
15	75	0		21.22	21.07	21.25
15	1	0	16-QAM	21.14	21.13	21.24
15	1	37		21.45	21.36	21.55
15	1	74		21.03	21.06	21.11
15	36	0		20.20	20.07	20.28
15	36	20		20.29	20.22	20.33
15	36	39		20.05	20.11	20.18
15	75	0		20.19	20.10	20.26
15	1	0	64-QAM	20.13	20.10	20.28
15	1	37		20.42	20.36	20.51
15	1	74		20.00	20.03	20.11
15	36	0		19.21	19.13	19.30
15	36	20		19.30	19.23	19.38
15	36	39		19.09	19.09	19.22
15	75	0		19.20	19.09	19.24



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.25	22.28	22.45
10	1	25		22.13	22.12	22.25
10	1	49		22.34	22.41	22.41
10	25	0		21.26	21.29	21.42
10	25	12		21.25	21.26	21.37
10	25	25		21.29	21.26	21.40
10	50	0		21.28	21.29	21.36
10	1	0	16-QAM	21.57	21.64	21.78
10	1	25		21.45	21.42	21.54
10	1	49		21.68	21.70	21.70
10	25	0		20.21	20.25	20.36
10	25	12		20.23	20.24	20.32
10	25	25		20.27	20.26	20.34
10	50	0		20.28	20.26	20.38
10	1	0	64-QAM	20.51	20.53	20.68
10	1	25		20.34	20.35	20.47
10	1	49		20.62	20.65	20.65
10	25	0		19.25	19.28	19.41
10	25	12		19.25	19.27	19.37
10	25	25		19.32	19.30	19.38
10	50	0		19.31	19.29	19.42
5	1	0	QPSK	22.22	22.24	22.36
5	1	12		22.12	22.10	22.21
5	1	24		22.11	22.11	22.20
5	12	0		21.21	21.23	21.34
5	12	7		21.18	21.22	21.28
5	12	13		21.16	21.16	21.27
5	25	0		21.16	21.17	21.26
5	1	0	16-QAM	21.53	21.52	21.66
5	1	12		21.39	21.43	21.51
5	1	24		21.43	21.38	21.49
5	12	0		20.22	20.26	20.36
5	12	7		20.21	20.22	20.29
5	12	13		20.19	20.19	20.28
5	25	0		20.19	20.21	20.29
5	1	0	64-QAM	20.40	20.45	20.58
5	1	12		20.29	20.30	20.39
5	1	24		20.31	20.30	20.40
5	12	0		19.29	19.32	19.43
5	12	7		19.27	19.30	19.37
5	12	13		19.23	19.24	19.34
5	25	0		19.19	19.23	19.30



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.09	22.14	22.23
3	1	8		22.08	22.11	22.21
3	1	14		22.06	22.05	22.14
3	8	0		21.19	21.20	21.28
3	8	4		21.18	21.21	21.28
3	8	7		21.17	21.16	21.24
3	15	0		21.15	21.16	21.24
3	1	0	16-QAM	21.42	21.47	21.54
3	1	8		21.38	21.42	21.49
3	1	14		21.40	21.37	21.42
3	8	0		20.24	20.27	20.34
3	8	4		20.22	20.28	20.32
3	8	7		20.18	20.22	20.27
3	15	0		20.17	20.20	20.27
3	1	0	64-QAM	20.31	20.34	20.42
3	1	8		20.29	20.33	20.36
3	1	14		20.27	20.27	20.34
3	8	0		19.22	19.26	19.34
3	8	4		19.24	19.29	19.35
3	8	7		19.20	19.24	19.32
3	15	0		19.18	19.22	19.30
1.4	1	0	QPSK	22.01	22.03	22.12
1.4	1	3		22.08	22.11	22.19
1.4	1	5		21.99	22.03	22.11
1.4	3	0		22.03	22.09	22.18
1.4	3	1		22.08	22.12	22.21
1.4	3	3		22.04	22.09	22.18
1.4	6	0		21.04	21.11	21.19
1.4	1	0	16-QAM	21.30	21.39	21.45
1.4	1	3		21.38	21.44	21.49
1.4	1	5		21.29	21.35	21.40
1.4	3	0		21.07	21.13	21.21
1.4	3	1		21.12	21.20	21.26
1.4	3	3		21.07	21.11	21.18
1.4	6	0		20.15	20.19	20.26
1.4	1	0	64-QAM	20.21	20.28	20.36
1.4	1	3		20.29	20.33	20.40
1.4	1	5		20.20	20.27	20.30
1.4	3	0		20.20	20.24	20.31
1.4	3	1		20.26	20.30	20.38
1.4	3	3		20.19	20.24	20.29
1.4	6	0		19.09	19.13	19.21



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.31	22.35	22.44
10	1	25		22.23	22.37	22.34
10	1	49		22.29	22.32	22.26
10	25	0		21.39	21.40	21.50
10	25	12		21.41	21.47	21.50
10	25	25		21.38	21.43	21.53
10	50	0		21.46	21.44	21.54
10	1	0	16-QAM	21.50	21.53	21.73
10	1	25		21.51	21.67	21.61
10	1	49		21.57	21.58	21.66
10	25	0		20.40	20.38	20.51
10	25	12		20.45	20.46	20.58
10	25	25		20.39	20.40	20.66
10	50	0		20.46	20.40	20.62
10	1	0	64-QAM	20.45	20.43	20.59
10	1	25		20.43	20.54	20.55
10	1	49		20.41	20.48	20.54
10	25	0		19.39	19.37	19.47
10	25	12		19.42	19.43	19.56
10	25	25		19.38	19.44	19.57
10	50	0		19.54	19.41	19.59
5	1	0	QPSK	22.38	22.49	22.46
5	1	12		22.26	22.42	22.45
5	1	24		22.28	22.44	22.44
5	12	0		21.37	21.48	21.57
5	12	7		21.37	21.55	21.59
5	12	13		21.34	21.54	21.55
5	25	0		21.34	21.50	21.58
5	1	0	16-QAM	21.64	21.76	21.74
5	1	12		21.65	21.70	21.69
5	1	24		21.66	21.70	21.71
5	12	0		20.50	20.47	20.59
5	12	7		20.48	20.56	20.58
5	12	13		20.47	20.54	20.55
5	25	0		20.50	20.50	20.68
5	1	0	64-QAM	20.61	20.61	20.66
5	1	12		20.50	20.52	20.53
5	1	24		20.52	20.58	20.62
5	12	0		19.53	19.52	19.63
5	12	7		19.54	19.61	19.65
5	12	13		19.51	19.60	19.60
5	25	0		19.44	19.49	19.60



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.42	22.37	22.43
3	1	8		22.38	22.39	22.44
3	1	14		22.34	22.45	22.39
3	8	0		21.46	21.41	21.51
3	8	4		21.45	21.53	21.55
3	8	7		21.44	21.48	21.54
3	15	0		21.43	21.51	21.53
3	1	0	16-QAM	21.71	21.66	21.75
3	1	8		21.63	21.65	21.70
3	1	14		21.61	21.77	21.72
3	8	0		20.56	20.47	20.62
3	8	4		20.60	20.67	20.67
3	8	7		20.55	20.52	20.67
3	15	0		20.49	20.57	20.60
3	1	0	64-QAM	20.57	20.49	20.61
3	1	8		20.52	20.52	20.57
3	1	14		20.56	20.61	20.62
3	8	0		19.49	19.42	19.57
3	8	4		19.48	19.57	19.60
3	8	7		19.46	19.48	19.59
3	15	0		19.46	19.52	19.60
1.4	1	0	QPSK	22.32	22.26	22.28
1.4	1	3		22.37	22.34	22.31
1.4	1	5		22.30	22.27	22.25
1.4	3	0		22.37	22.26	22.36
1.4	3	1		22.35	22.40	22.40
1.4	3	3		22.30	22.43	22.35
1.4	6	0		21.26	21.43	21.36
1.4	1	0	16-QAM	21.51	21.60	21.53
1.4	1	3		21.56	21.66	21.63
1.4	1	5		21.56	21.58	21.51
1.4	3	0		21.43	21.28	21.35
1.4	3	1		21.37	21.47	21.41
1.4	3	3		21.32	21.32	21.36
1.4	6	0		20.42	20.41	20.42
1.4	1	0	64-QAM	20.46	20.42	20.44
1.4	1	3		20.46	20.49	20.50
1.4	1	5		20.41	20.42	20.44
1.4	3	0		20.50	20.40	20.55
1.4	3	1		20.62	20.50	20.56
1.4	3	3		20.56	20.43	20.54
1.4	6	0		19.38	19.30	19.42



LTE Band 13 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK		22.31	
10	1	25			22.28	
10	1	49			22.29	
10	25	0			21.54	
10	25	12			21.45	
10	25	25			21.56	
10	50	0			21.59	
10	1	0	16-QAM		21.88	
10	1	25			21.70	
10	1	49			21.72	
10	25	0			20.55	
10	25	12			20.46	
10	25	25			20.57	
10	50	0			20.58	
10	1	0	64-QAM		20.67	
10	1	25			20.55	
10	1	49			20.55	
10	25	0			19.51	
10	25	12			19.46	
10	25	25			19.55	
10	50	0			19.59	
5	1	0	QPSK	22.46	22.44	22.32
5	1	12		22.45	22.34	22.38
5	1	24		22.37	22.47	22.51
5	12	0		21.54	21.58	21.44
5	12	7		21.57	21.48	21.53
5	12	13		21.51	21.46	21.48
5	25	0		21.64	21.45	21.53
5	1	0	16-QAM	21.91	21.77	21.69
5	1	12		21.86	21.69	21.68
5	1	24		21.65	21.73	21.82
5	12	0		20.69	20.61	20.44
5	12	7		20.63	20.49	20.51
5	12	13		20.56	20.46	20.55
5	25	0		20.66	20.50	20.53
5	1	0	64-QAM	20.64	20.71	20.55
5	1	12		20.70	20.56	20.51
5	1	24		20.60	20.60	20.71
5	12	0		19.79	19.63	19.47
5	12	7		19.65	19.51	19.56
5	12	13		19.58	19.50	19.51
5	25	0		19.62	19.44	19.52



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.86	22.96	22.94
20	1	49		22.36	22.31	22.29
20	1	99		22.86	22.86	22.79
20	50	0		21.86	21.88	21.96
20	50	24		21.85	21.80	21.88
20	50	50		21.98	21.84	21.83
20	100	0		21.88	21.81	21.82
20	1	0	16-QAM	21.69	21.64	21.85
20	1	49		21.83	21.80	21.88
20	1	99		21.89	21.81	21.92
20	50	0		20.93	20.88	20.95
20	50	24		20.89	20.84	20.89
20	50	50		20.86	20.95	20.71
20	100	0		20.82	20.82	20.88
20	1	0	64-QAM	20.72	20.65	20.80
20	1	49		20.97	20.86	20.85
20	1	99		20.89	20.76	20.77
20	50	0		19.87	19.90	19.95
20	50	24		19.99	19.89	19.87
20	50	50		19.81	19.87	19.89
20	100	0		19.88	19.77	19.89
15	1	0	QPSK	22.92	22.94	22.91
15	1	37		22.45	22.42	22.28
15	1	74		22.89	22.86	22.94
15	36	0		21.92	21.99	21.95
15	36	20		21.95	21.98	21.94
15	36	39		21.96	21.89	21.97
15	75	0		21.88	21.96	21.89
15	1	0	16-QAM	21.83	21.64	21.86
15	1	37		21.87	21.97	21.96
15	1	74		21.94	21.93	22.03
15	36	0		20.95	20.97	20.96
15	36	20		20.97	20.84	20.98
15	36	39		20.96	20.94	20.83
15	75	0		20.92	20.89	20.91
15	1	0	64-QAM	20.89	20.77	20.84
15	1	37		20.96	20.88	20.93
15	1	74		20.97	20.91	20.95
15	36	0		19.96	19.95	19.93
15	36	20		19.95	19.95	19.90
15	36	39		19.85	19.99	19.92
15	75	0		19.99	19.83	19.92



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.43	22.37	22.32
10	1	25		22.09	22.01	22.06
10	1	49		22.18	22.07	22.12
10	25	0		21.32	21.31	21.32
10	25	12		21.23	21.15	21.23
10	25	25		21.17	21.18	21.17
10	50	0		21.26	21.17	21.29
10	1	0	16-QAM	21.72	21.71	21.63
10	1	25		21.31	21.29	21.36
10	1	49		21.45	21.34	21.42
10	25	0		20.30	20.29	20.25
10	25	12		20.23	20.13	20.23
10	25	25		20.17	20.11	20.13
10	50	0		20.29	20.18	20.27
10	1	0	64-QAM	20.68	20.62	20.54
10	1	25		20.31	20.20	20.26
10	1	49		20.41	20.26	20.34
10	25	0		19.24	19.32	19.25
10	25	12		19.25	19.15	19.21
10	25	25		19.20	19.15	19.14
10	50	0		19.32	19.22	19.26
5	1	0	QPSK	22.19	22.22	22.20
5	1	12		22.02	22.01	21.98
5	1	24		22.10	22.07	22.06
5	12	0		21.16	21.16	21.19
5	12	7		21.12	21.07	21.13
5	12	13		21.16	21.00	21.16
5	25	0		21.10	21.05	21.09
5	1	0	16-QAM	21.44	21.50	21.49
5	1	12		21.32	21.32	21.36
5	1	24		21.32	21.34	21.36
5	12	0		20.19	20.19	20.17
5	12	7		20.13	20.10	20.09
5	12	13		20.17	20.04	20.15
5	25	0		20.10	20.09	20.10
5	1	0	64-QAM	20.39	20.38	20.40
5	1	12		20.22	20.19	20.20
5	1	24		20.27	20.23	20.25
5	12	0		19.19	19.26	19.21
5	12	7		19.16	19.16	19.14
5	12	13		19.25	19.08	19.17
5	25	0		19.07	19.08	19.07



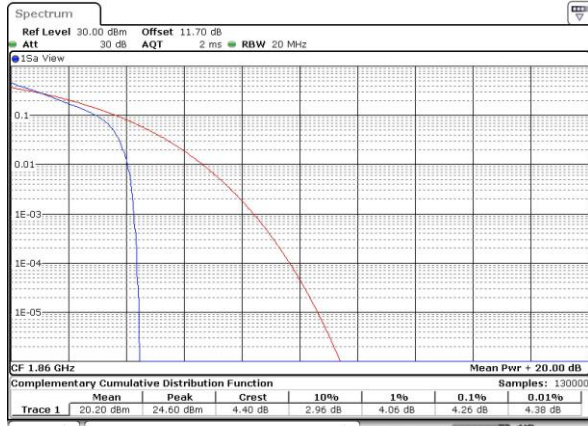
LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.09	22.06	22.03
3	1	8		22.07	22.00	22.03
3	1	14		21.97	21.92	21.98
3	8	0		21.15	21.10	21.09
3	8	4		21.12	21.06	21.21
3	8	7		21.08	21.03	21.14
3	15	0		21.10	21.05	21.17
3	1	0	16-QAM	21.38	21.34	21.38
3	1	8		21.34	21.30	21.45
3	1	14		21.24	21.21	21.30
3	8	0		20.20	20.15	20.15
3	8	4		20.20	20.14	20.24
3	8	7		20.13	20.10	20.19
3	15	0		20.12	20.07	20.16
3	1	0	64-QAM	20.27	20.24	20.22
3	1	8		20.22	20.15	20.23
3	1	14		20.18	20.11	20.19
3	8	0		19.15	19.15	19.09
3	8	4		19.15	19.12	19.20
3	8	7		19.09	19.06	19.14
3	15	0		19.08	19.08	19.16
1.4	1	0	QPSK	22.02	21.98	22.05
1.4	1	3		22.07	22.01	22.07
1.4	1	5		21.99	21.92	21.99
1.4	3	0		22.09	22.01	22.08
1.4	3	1		22.11	22.05	22.13
1.4	3	3		22.05	21.99	22.15
1.4	6	0		21.03	20.96	21.10
1.4	1	0	16-QAM	21.27	21.23	21.31
1.4	1	3		21.39	21.29	21.35
1.4	1	5		21.22	21.17	21.26
1.4	3	0		21.10	21.02	21.08
1.4	3	1		21.14	21.07	21.15
1.4	3	3		21.08	20.98	21.05
1.4	6	0		20.13	20.05	20.14
1.4	1	0	64-QAM	20.25	20.22	20.20
1.4	1	3		20.20	20.13	20.21
1.4	1	5		20.16	20.09	20.17
1.4	3	0		19.13	19.13	19.07
1.4	3	1		19.13	19.10	19.18
1.4	3	3		19.07	19.04	19.12
1.4	6	0		19.06	19.06	19.14



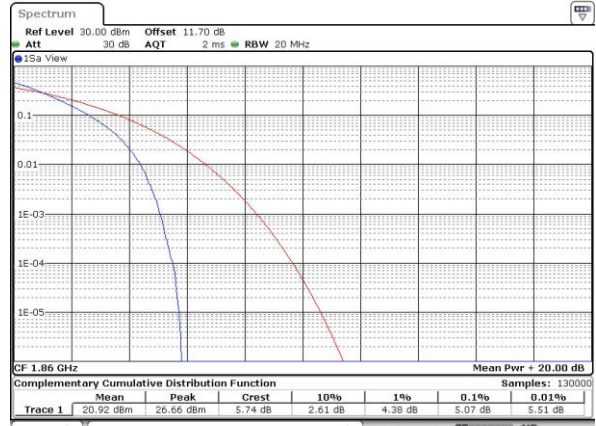
LTE Band 2

Peak-to-Average Ratio

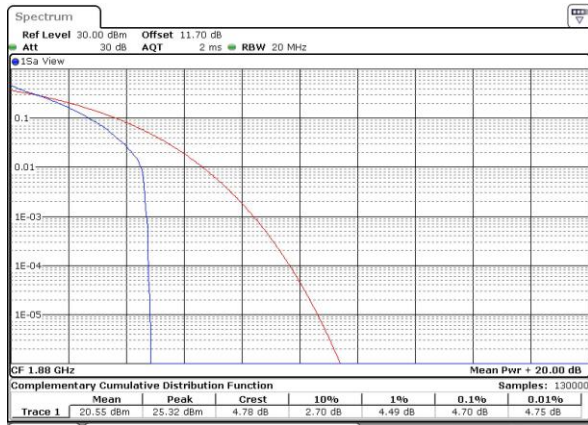
Mode	LTE Band 2 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.26	5.07	4.9	6	PASS
Middle CH	4.7	5.22	5.71	6.23	
Highest CH	4.2	4.99	5.19	6.09	
Mode	LTE Band 2 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.74	6.52			PASS
Middle CH	6.7	6.7			
Highest CH	5.97	6.61			

LTE Band 2 / 20MHz / QPSK
Lowest Channel / 1RB


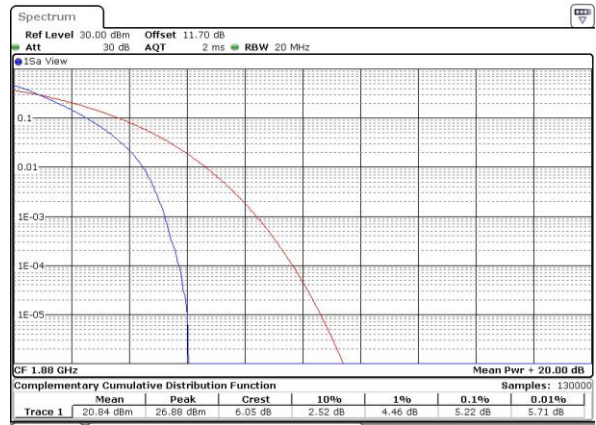
Date: 16 JUN 2017 01:09:36

Lowest Channel / Full RB


Date: 16 JUN 2017 01:09:45

Middle Channel / 1RB


Date: 16 JUN 2017 01:09:56

Middle Channel / Full RB


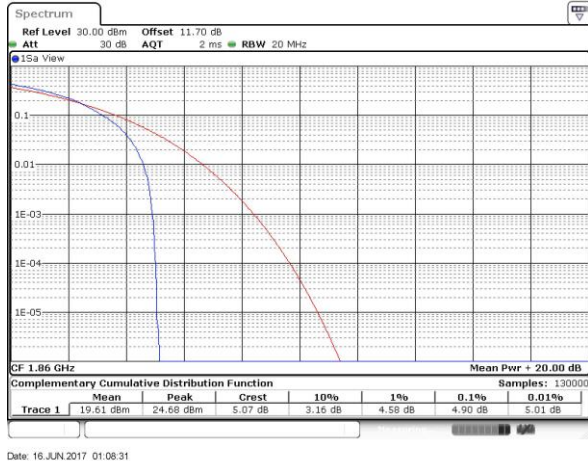
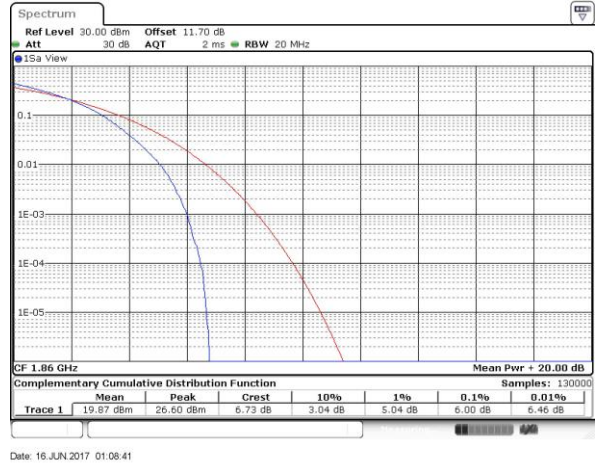
Date: 16 JUN 2017 01:10:05

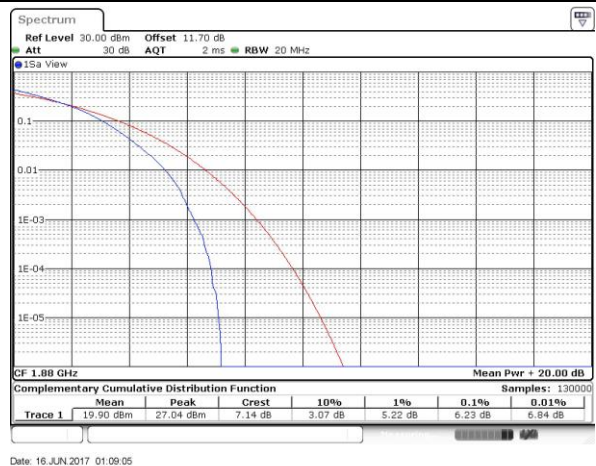
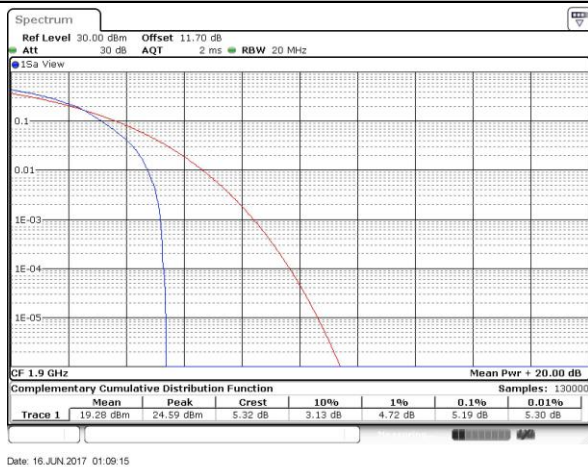
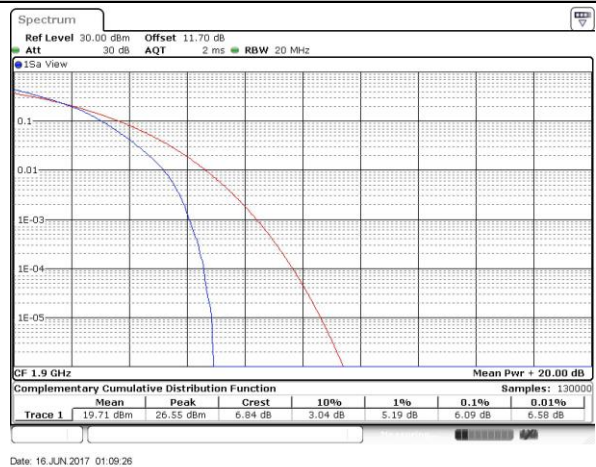
Highest Channel / 1RB

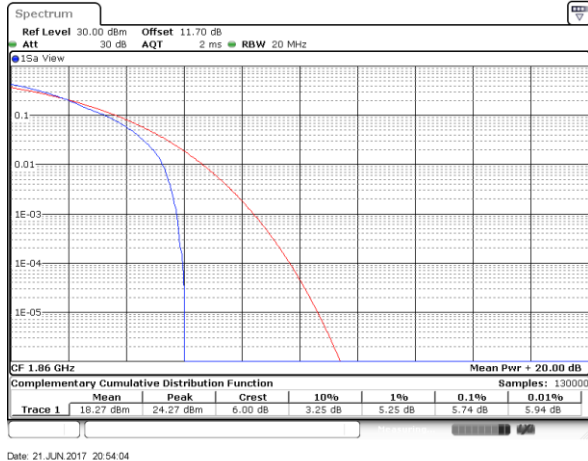
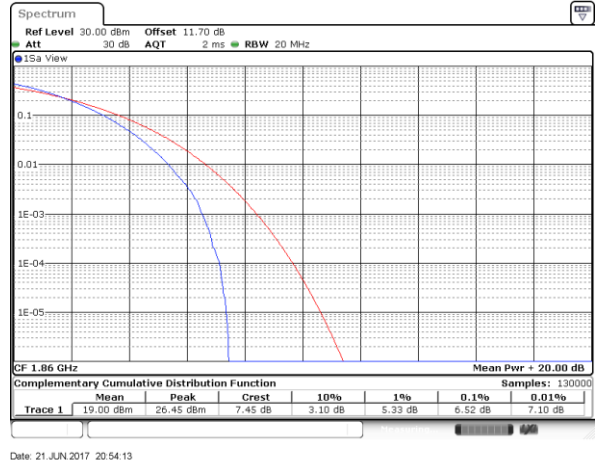
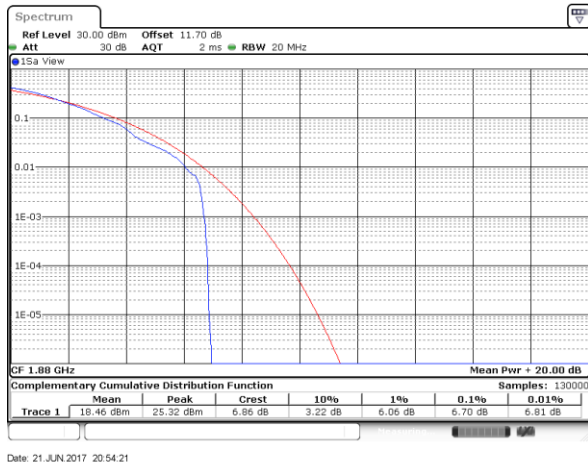
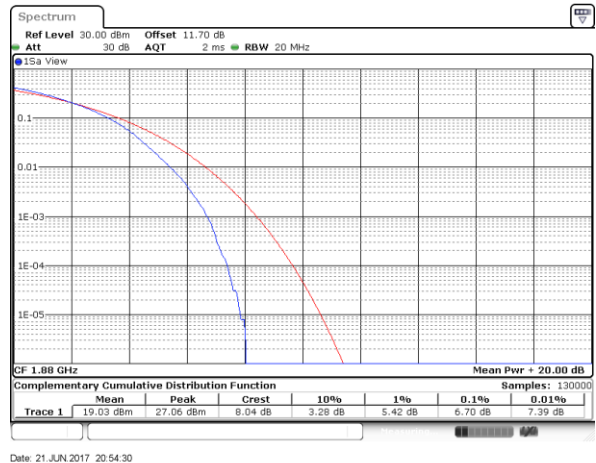
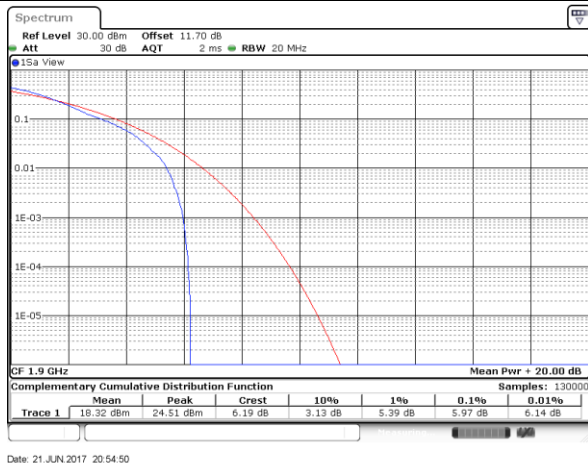
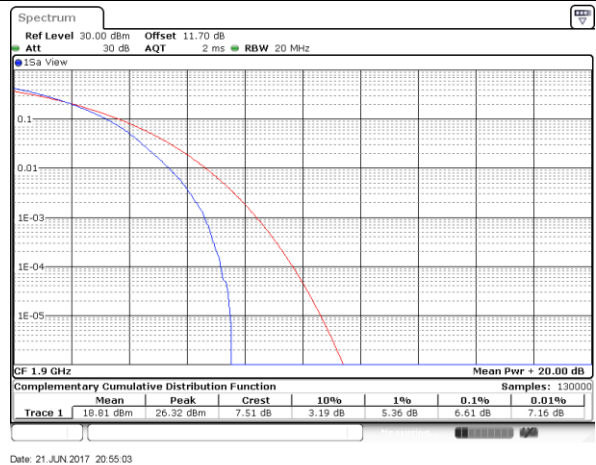

Date: 16 JUN 2017 01:10:15

Highest Channel / Full RB


Date: 16 JUN 2017 01:10:24

LTE Band 2 / 20MHz / 16QAM
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

Highest Channel / Full RB


LTE Band 2 / 20MHz / 64QAM
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

Highest Channel / Full RB


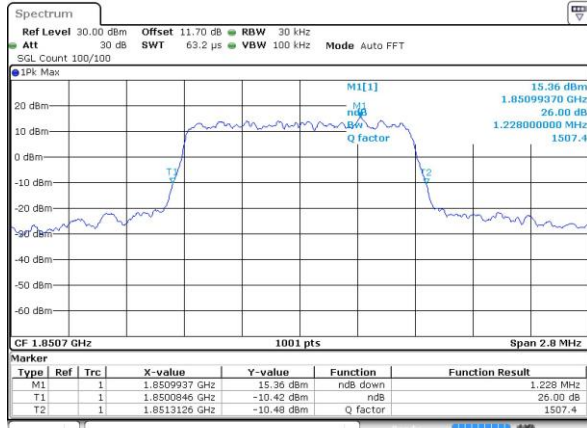
**26dB Bandwidth**

Mode	LTE Band 2 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.23	1.22	3.02	3.05	4.91	4.84	9.83	9.81	14.30	14.57	20.18	20.26
Middle CH	1.22	1.22	3.04	3.08	4.92	4.88	9.75	9.79	14.30	14.30	20.30	20.14
Highest CH	1.22	1.24	3.05	3.02	4.89	4.86	9.79	9.89	14.36	14.48	20.30	20.06
Mode	LTE Band 2 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.23	-	3.02	-	4.89	-	9.81	-	14.48	-	19.98	-
Middle CH	1.22	-	3.04	-	4.9	-	9.81	-	14.39	-	20.34	-
Highest CH	1.24	-	3.02	-	4.92	-	9.87	-	14.57	-	20.06	-



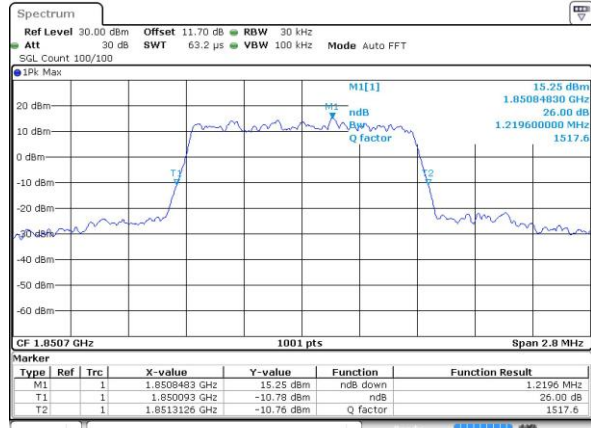
LTE Band 2

Lowest Channel / 1.4MHz / QPSK



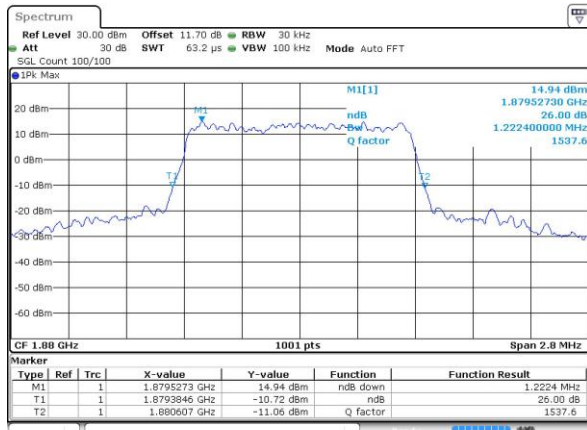
Date: 16 JUN 2017 00:51:26

Lowest Channel / 1.4MHz / 16QAM



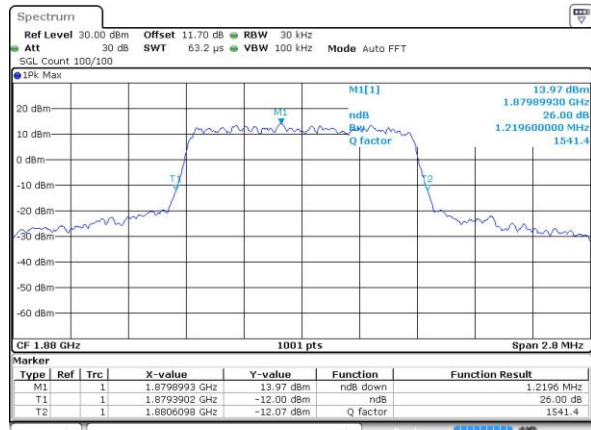
Date: 16 JUN 2017 00:51:36

Middle Channel / 1.4MHz / QPSK



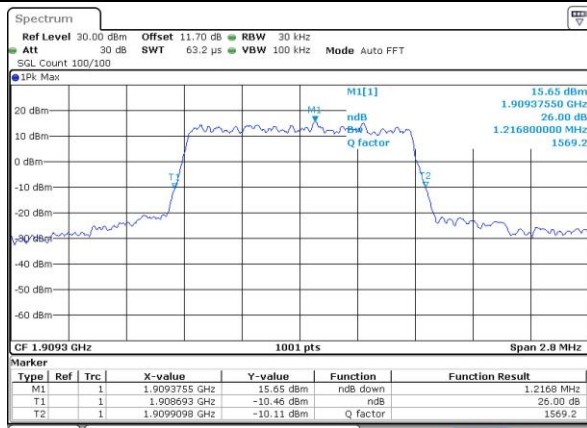
Date: 16 JUN 2017 00:58:33

Middle Channel / 1.4MHz / 16QAM



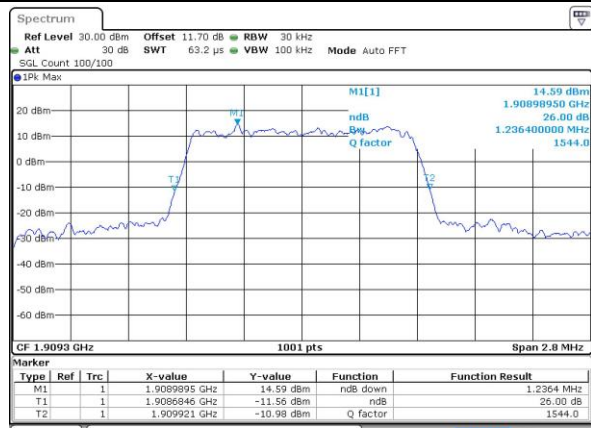
Date: 16 JUN 2017 00:58:43

Highest Channel / 1.4MHz / QPSK



Date: 16 JUN 2017 01:01:04

Highest Channel / 1.4MHz / 16QAM

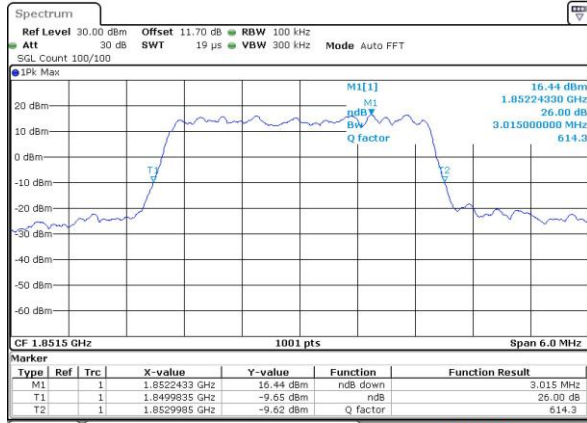


Date: 16 JUN 2017 01:01:14



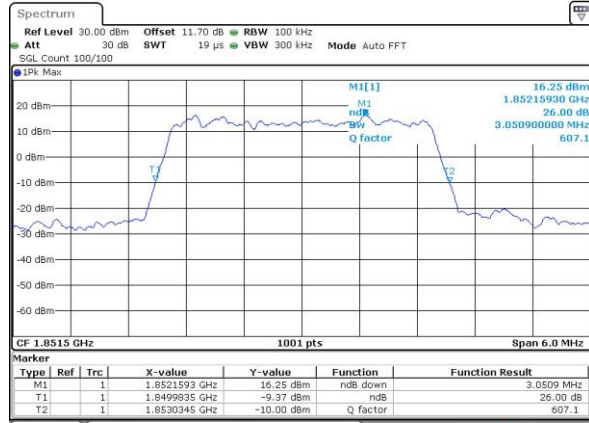
LTE Band 2

Lowest Channel / 3MHz / QPSK



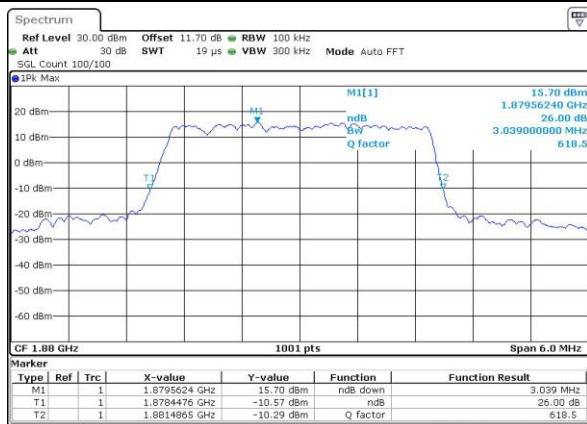
Date: 16 JUN 2017 10:58:58

Lowest Channel / 3MHz / 16QAM



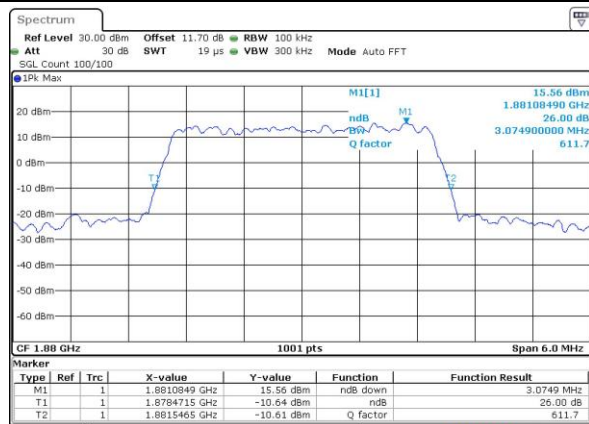
Date: 16 JUN 2017 10:59:08

Middle Channel / 3MHz / QPSK



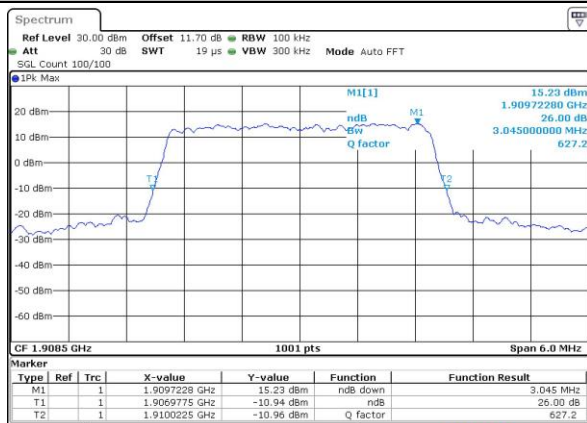
Date: 15 JUN 2017 23:31:52

Middle Channel / 3MHz / 16QAM



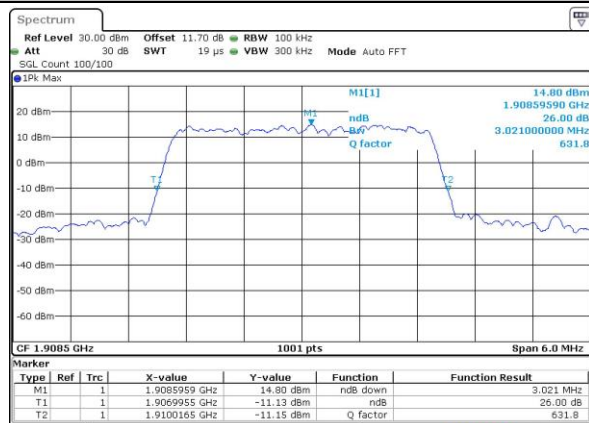
Date: 15 JUN 2017 23:32:02

Highest Channel / 3MHz / QPSK



Date: 15 JUN 2017 23:34:23

Highest Channel / 3MHz / 16QAM

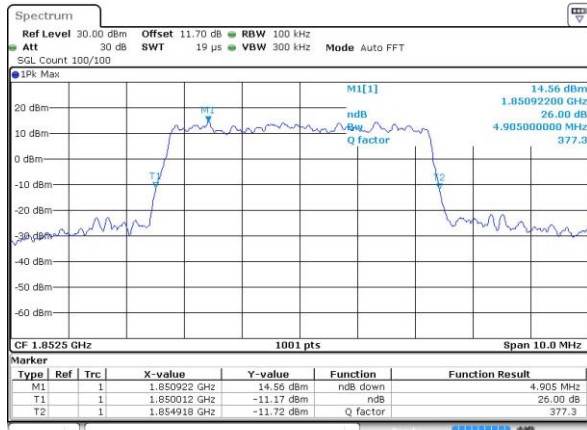


Date: 15 JUN 2017 23:34:33



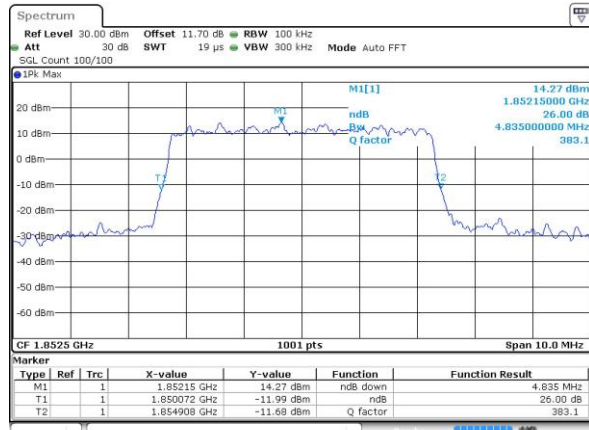
LTE Band 2

Lowest Channel / 5MHz / QPSK



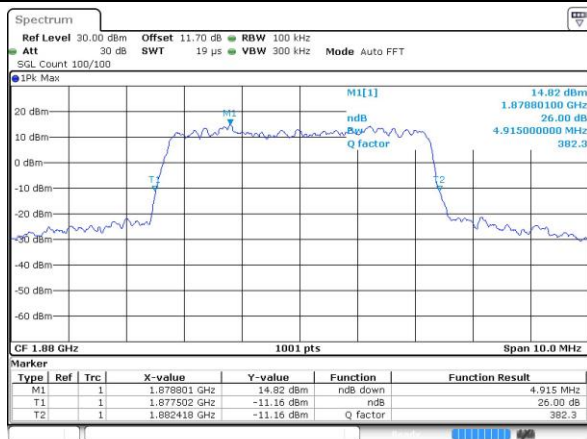
Date: 15 JUN 2017 23:41:30

Lowest Channel / 5MHz / 16QAM



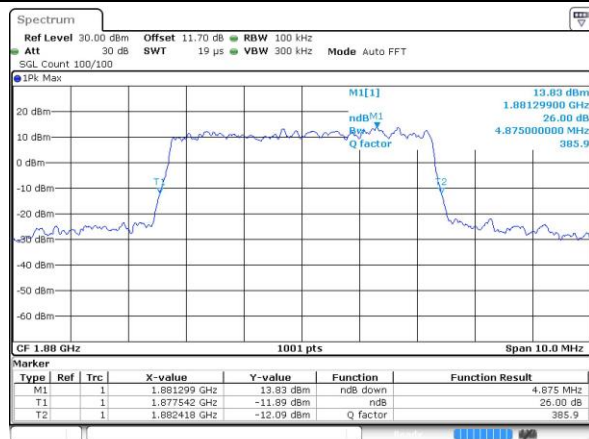
Date: 15 JUN 2017 23:41:40

Middle Channel / 5MHz / QPSK



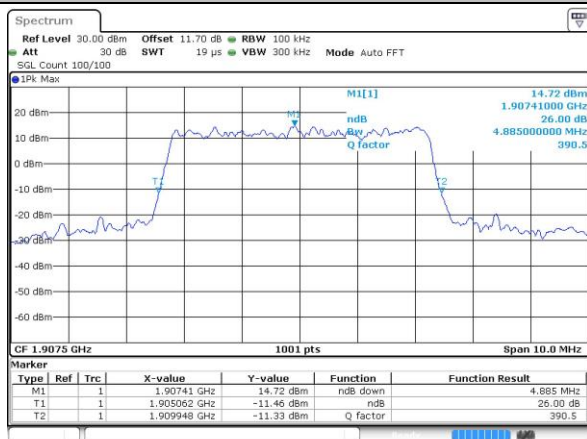
Date: 15 JUN 2017 23:48:37

Middle Channel / 5MHz / 16QAM



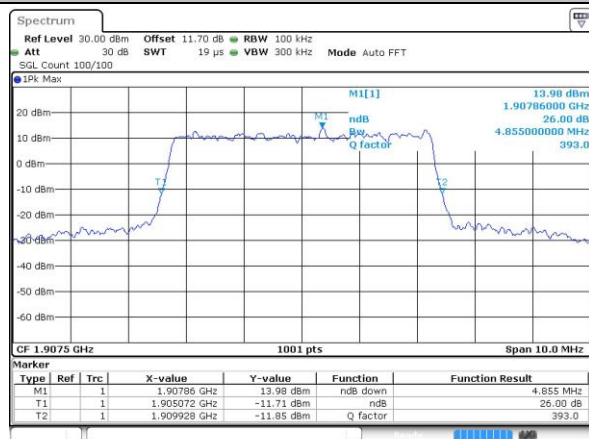
Date: 15 JUN 2017 23:48:47

Highest Channel / 5MHz / QPSK



Date: 15 JUN 2017 23:51:07

Highest Channel / 5MHz / 16QAM

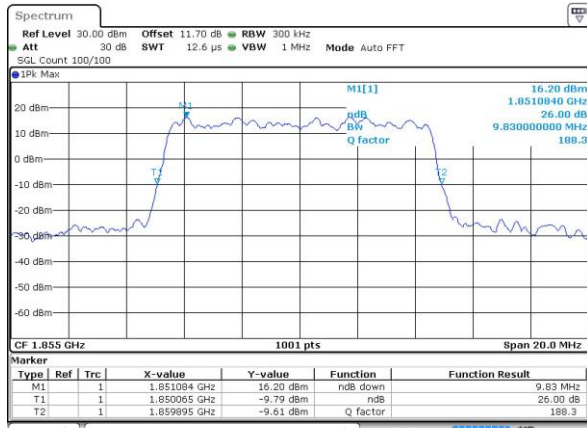


Date: 15 JUN 2017 23:51:18

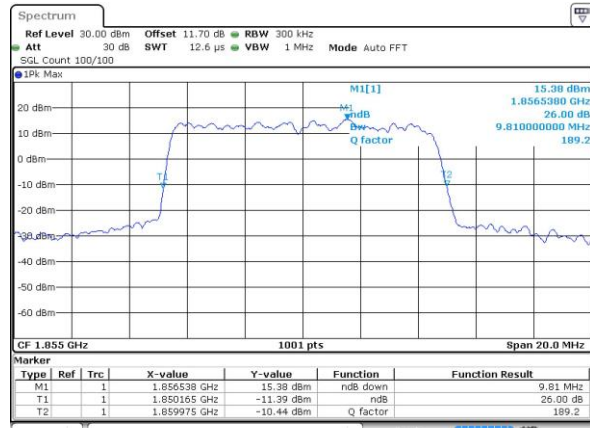


LTE Band 2

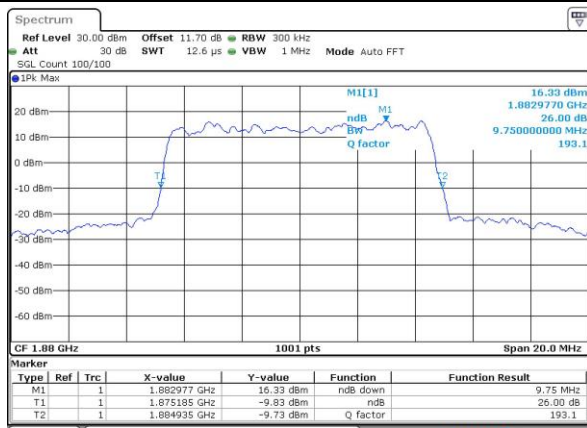
Lowest Channel / 10MHz / QPSK



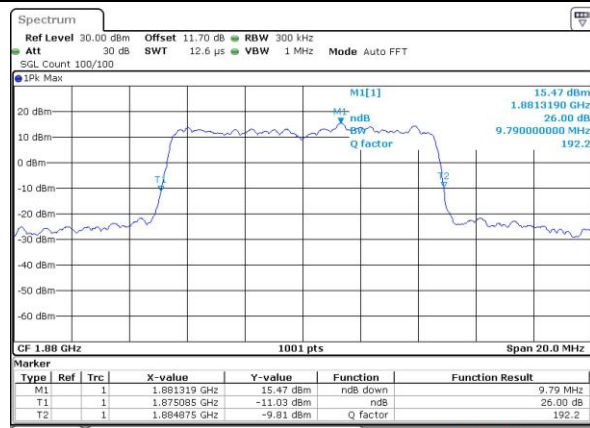
Lowest Channel / 10MHz / 16QAM



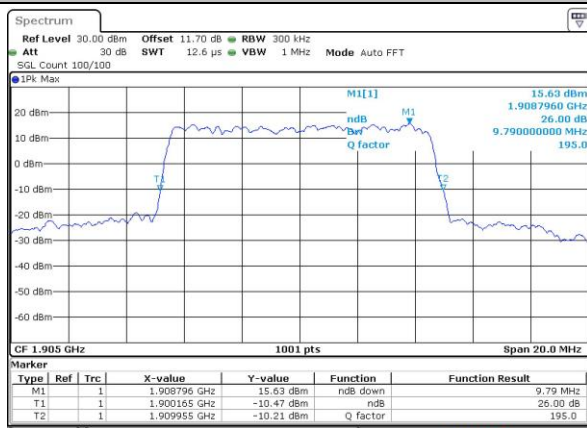
Middle Channel / 10MHz / QPSK



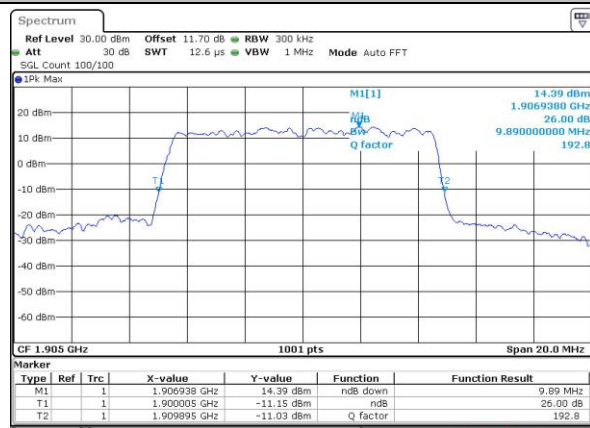
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



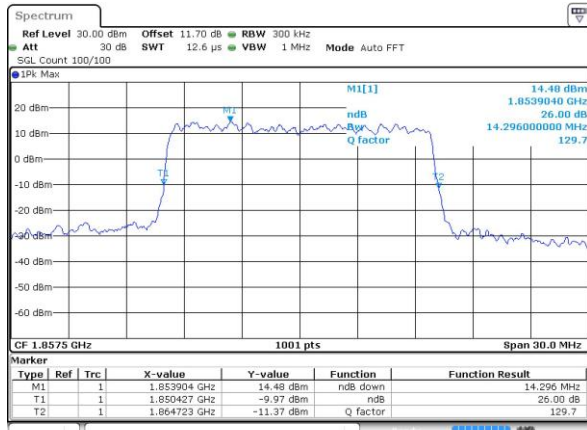
Highest Channel / 10MHz / 16QAM





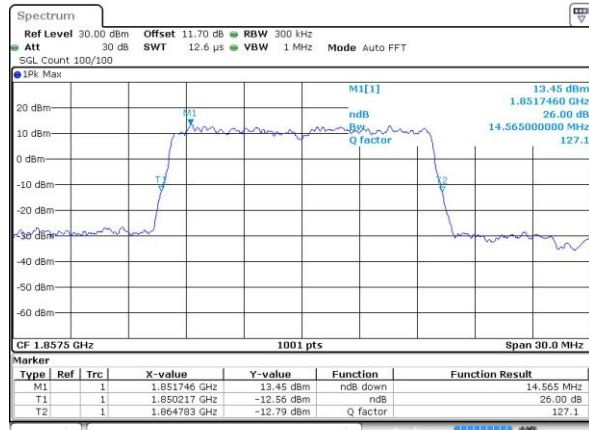
LTE Band 2

Lowest Channel / 15MHz / QPSK



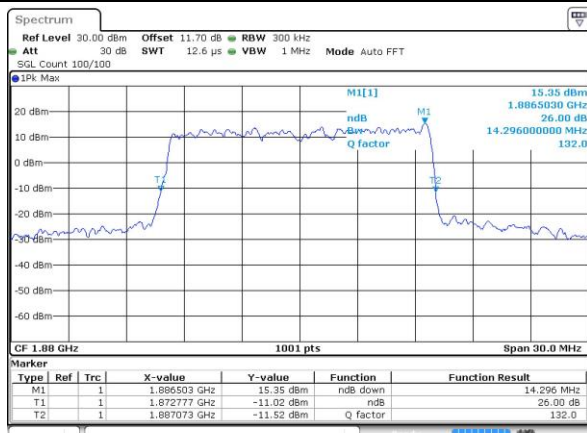
Date: 16 JUN 2017 00:14:59

Lowest Channel / 15MHz / 16QAM



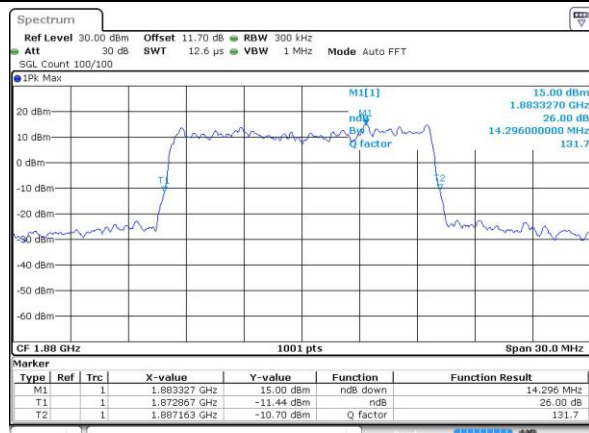
Date: 16 JUN 2017 00:15:10

Middle Channel / 15MHz / QPSK



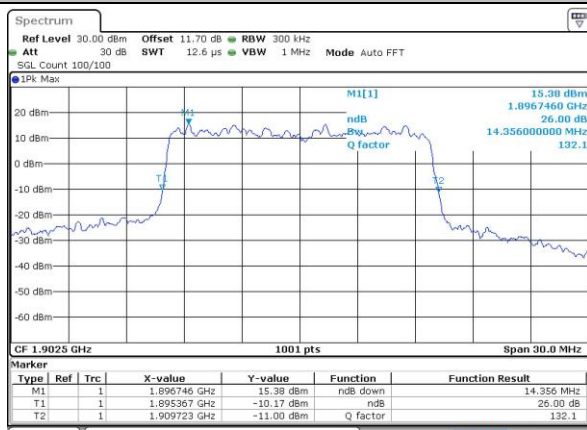
Date: 16 JUN 2017 00:22:07

Middle Channel / 15MHz / 16QAM



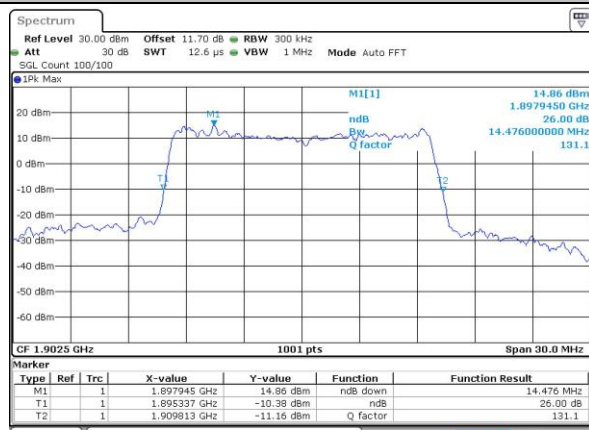
Date: 16 JUN 2017 00:22:17

Highest Channel / 15MHz / QPSK



Date: 16 JUN 2017 00:24:37

Highest Channel / 15MHz / 16QAM

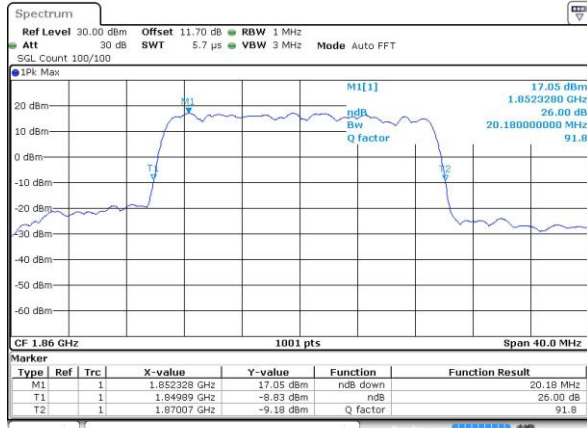


Date: 16 JUN 2017 00:24:48



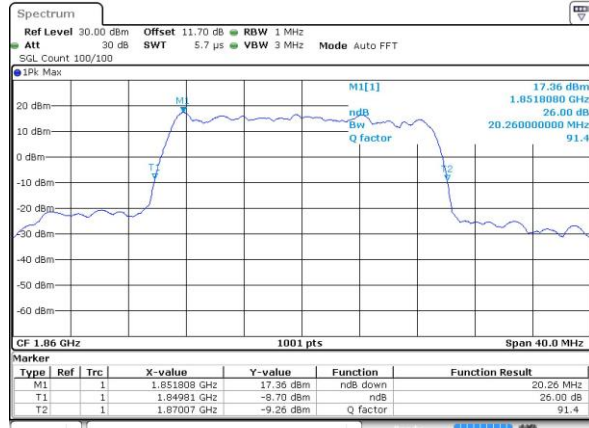
LTE Band 2

Lowest Channel / 20MHz / QPSK



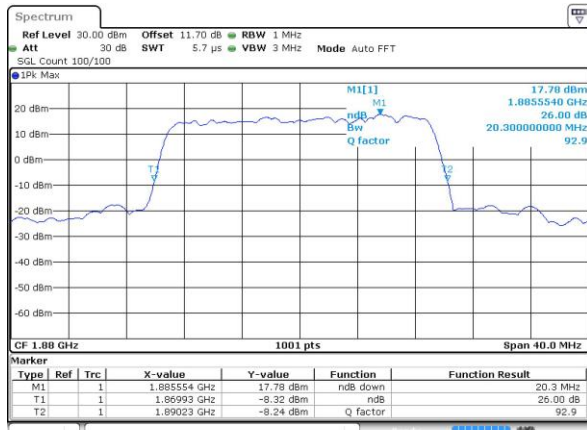
Date: 16 JUN 2017 00:31:45

Lowest Channel / 20MHz / 16QAM



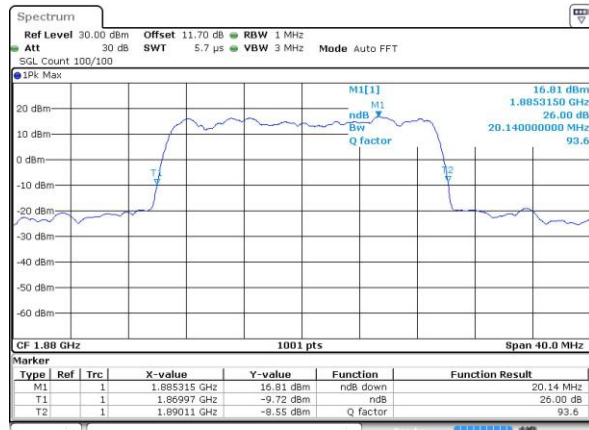
Date: 16 JUN 2017 00:31:55

Middle Channel / 20MHz / QPSK



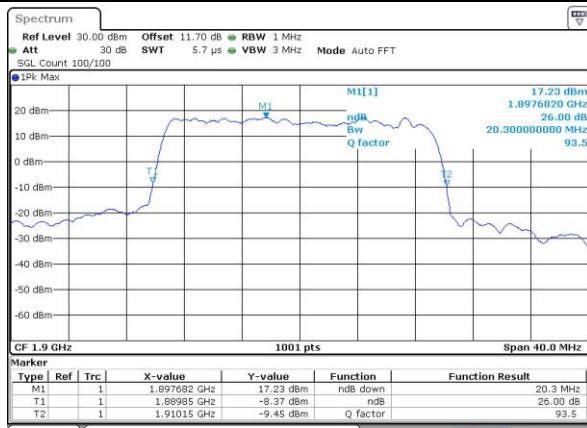
Date: 16 JUN 2017 00:38:52

Middle Channel / 20MHz / 16QAM



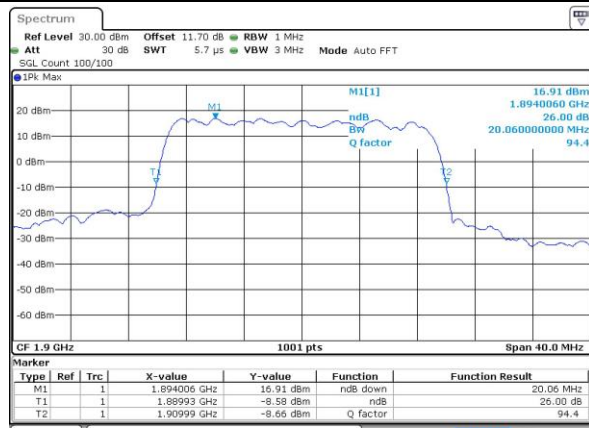
Date: 16 JUN 2017 00:39:02

Highest Channel / 20MHz / QPSK



Date: 16 JUN 2017 00:41:22

Highest Channel / 20MHz / 16QAM

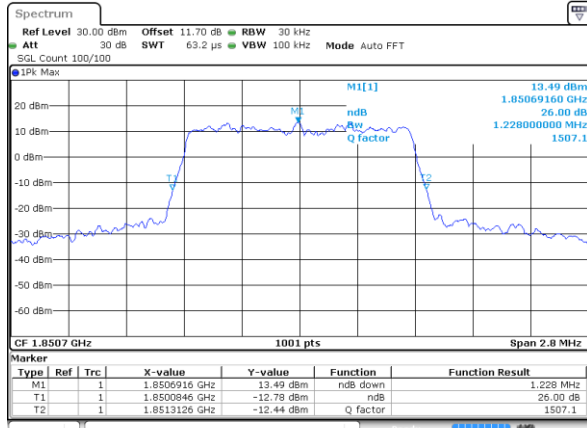


Date: 16 JUN 2017 00:41:33



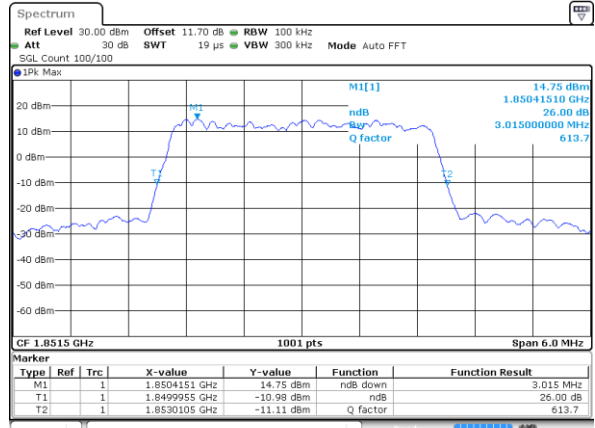
LTE Band 2

Lowest Channel / 1.4MHz / 64QAM



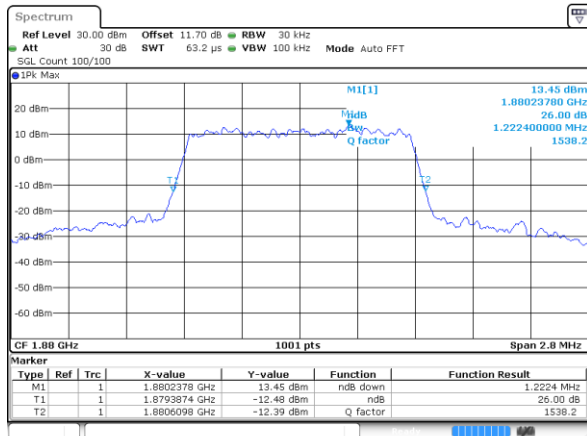
Date: 21 JUN 2017 20:34:44

Lowest Channel / 3MHz / 64QAM



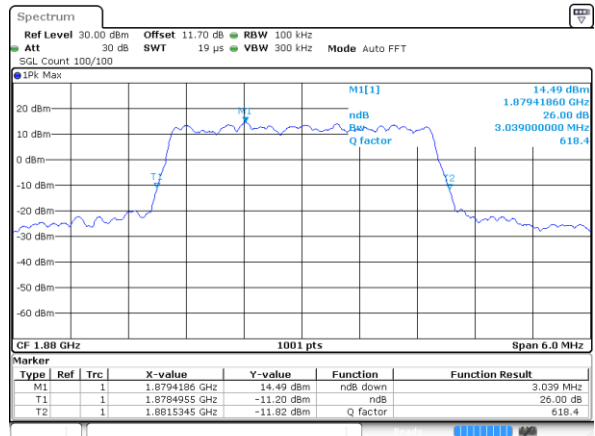
Date: 21 JUN 2017 18:50:40

Middle Channel / 1.4MHz / 64QAM



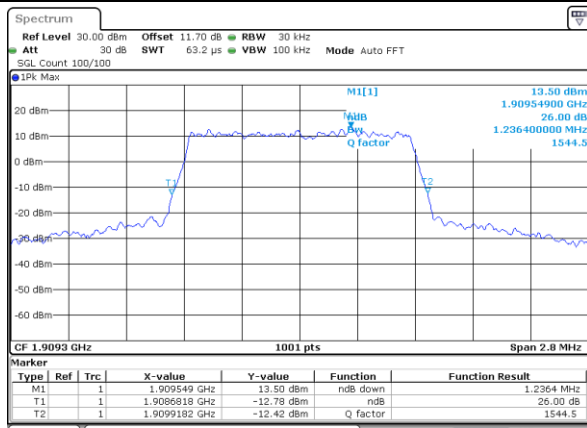
Date: 21 JUN 2017 20:38:15

Middle Channel / 3MHz / 64QAM



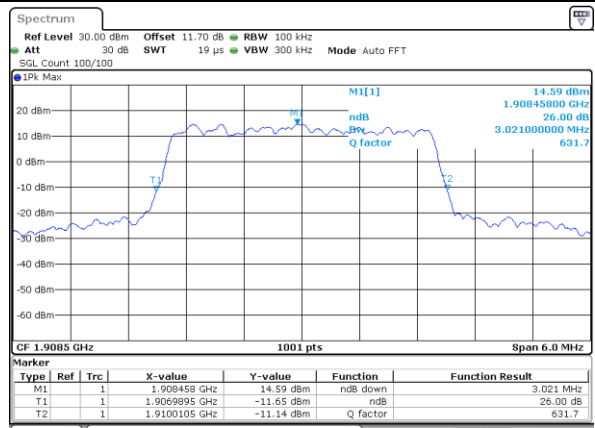
Date: 21 JUN 2017 18:54:12

Highest Channel / 1.4MHz / 64QAM



Date: 21 JUN 2017 20:39:29

Highest Channel / 3MHz / 64QAM

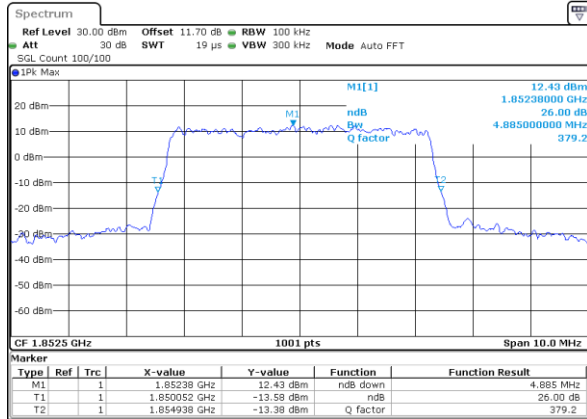


Date: 21 JUN 2017 18:55:26



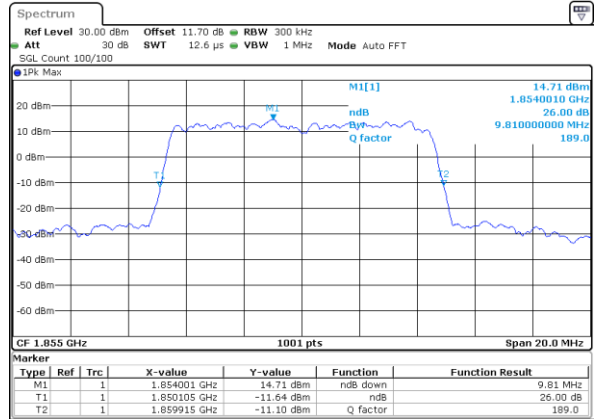
LTE Band 2

Lowest Channel / 5MHz / 64QAM



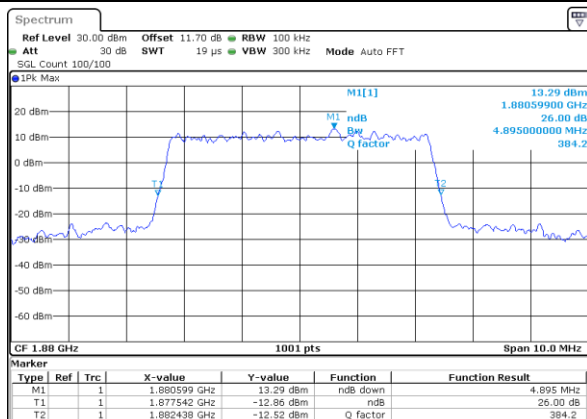
Date: 21 JUN 2017 18:58:58

Lowest Channel / 10MHz / 64QAM



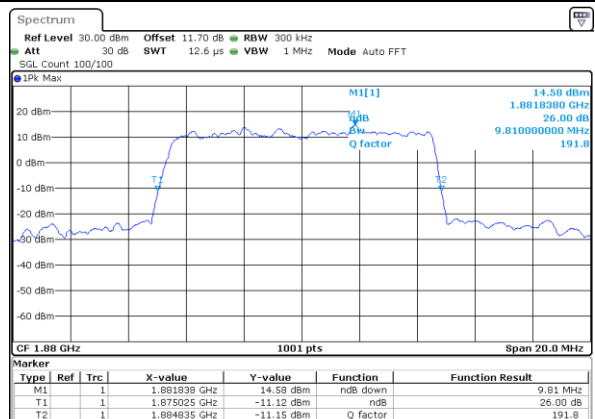
Date: 21 JUN 2017 19:07:16

Middle Channel / 5MHz / 64QAM



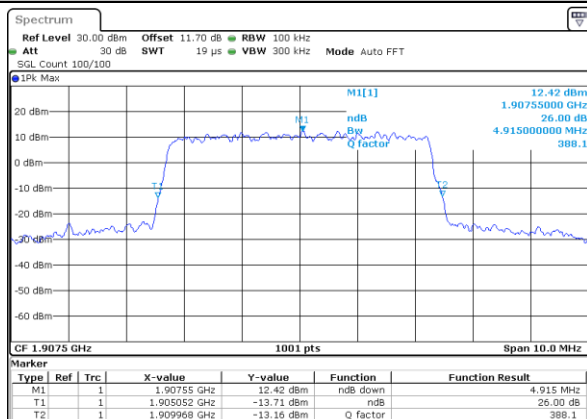
Date: 21 JUN 2017 19:02:29

Middle Channel / 10MHz / 64QAM



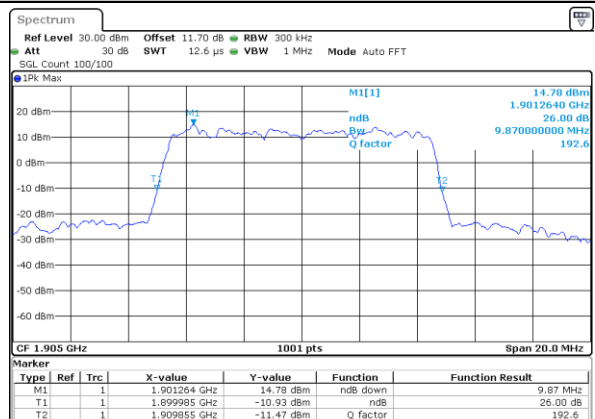
Date: 21 JUN 2017 19:10:47

Highest Channel / 5MHz / 64QAM



Date: 21 JUN 2017 19:03:44

Highest Channel / 10MHz / 64QAM

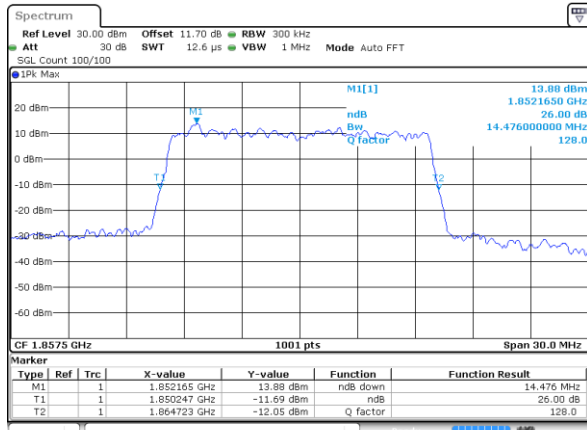


Date: 21 JUN 2017 19:12:01



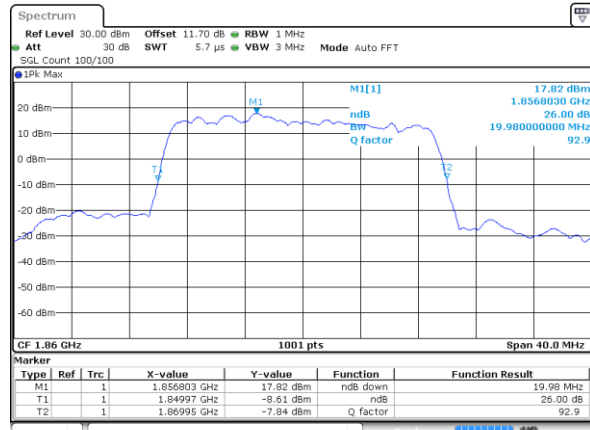
LTE Band 2

Lowest Channel / 15MHz / 64QAM



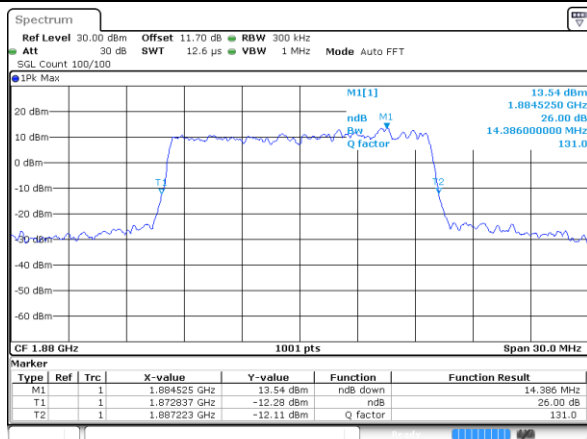
Date: 21 JUN 2017 19:15:33

Lowest Channel / 20MHz / 64QAM



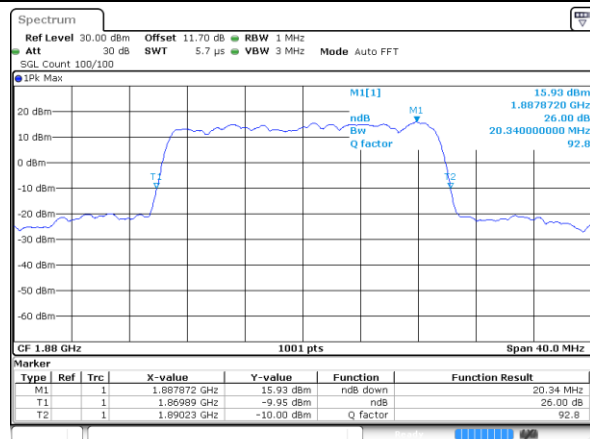
Date: 21 JUN 2017 19:25:50

Middle Channel / 15MHz / 64QAM



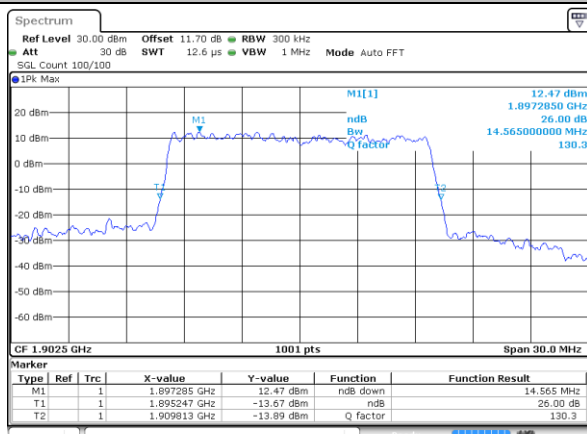
Date: 21 JUN 2017 19:19:04

Middle Channel / 20MHz / 64QAM



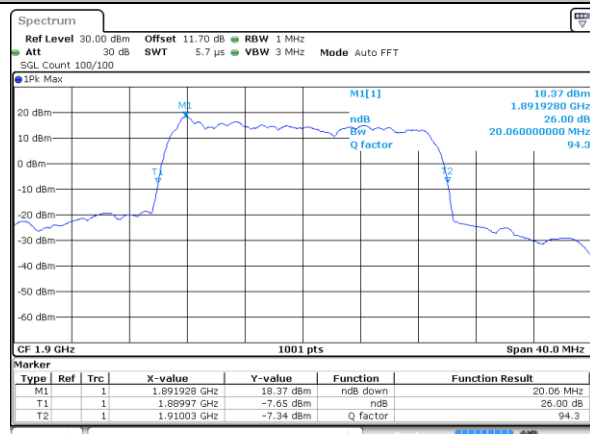
Date: 21 JUN 2017 19:27:21

Highest Channel / 15MHz / 64QAM



Date: 21 JUN 2017 19:20:18

Highest Channel / 20MHz / 64QAM



Date: 21 JUN 2017 19:28:35

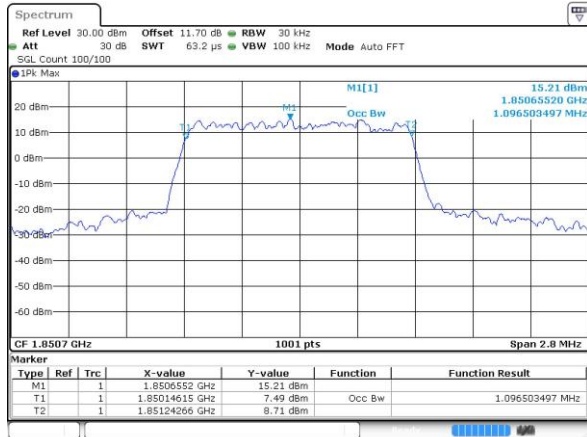
**Occupied Bandwidth**

Mode	LTE Band 2 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.1	1.1	2.72	2.72	4.5	4.48	9.11	9.01	13.43	13.43	18.34	18.38
Middle CH	1.1	1.09	2.72	2.71	4.48	4.52	9.01	9.03	13.49	13.49	18.38	18.42
Highest CH	1.09	1.09	2.73	2.71	4.52	4.5	9.03	9.05	13.46	13.49	18.34	18.14
Mode	LTE Band 2 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09	-	2.73	-	4.49	-	9.05	-	13.46	-	18.3	-
Middle CH	1.09	-	2.73	-	4.54	-	9.03	-	13.49	-	18.46	-
Highest CH	1.1	-	2.71	-	4.5	-	9.03	-	13.49	-	18.3	-



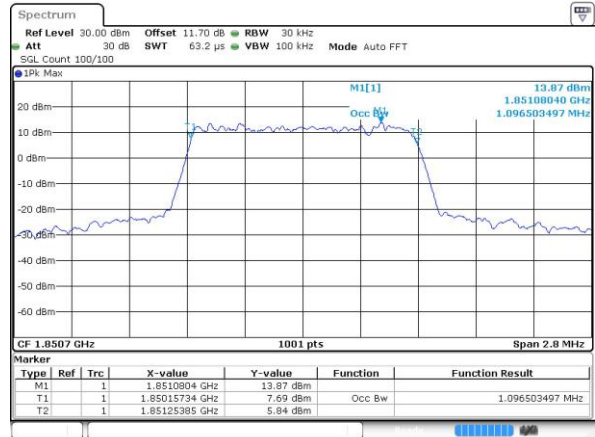
LTE Band 2

Lowest Channel / 1.4MHz / QPSK



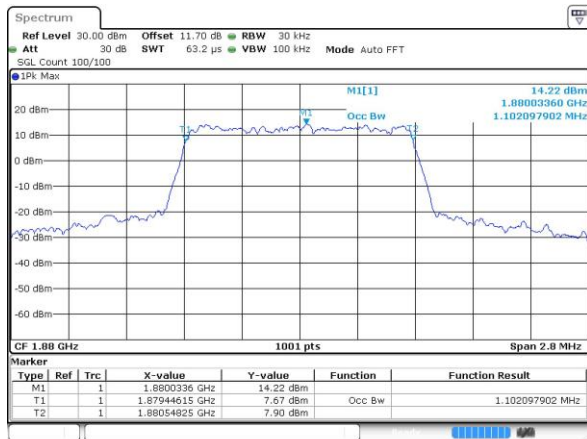
Date: 16 JUN 2017 00:51:05

Lowest Channel / 1.4MHz / 16QAM



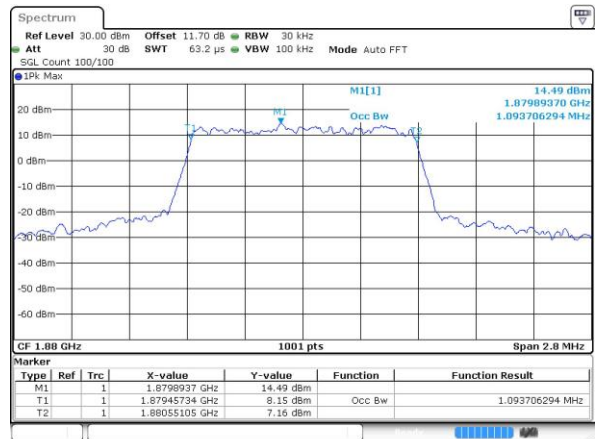
Date: 16 JUN 2017 00:51:16

Middle Channel / 1.4MHz / QPSK



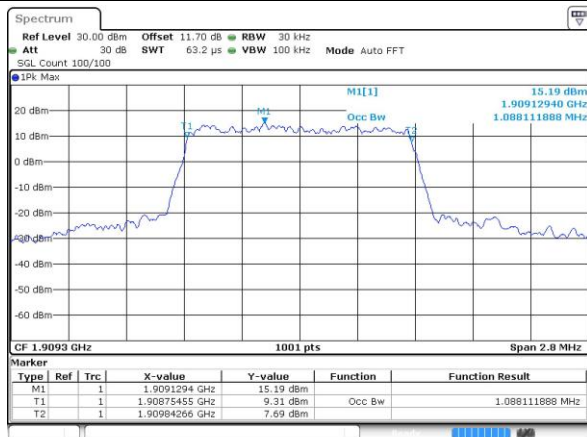
Date: 16 JUN 2017 00:58:12

Middle Channel / 1.4MHz / 16QAM



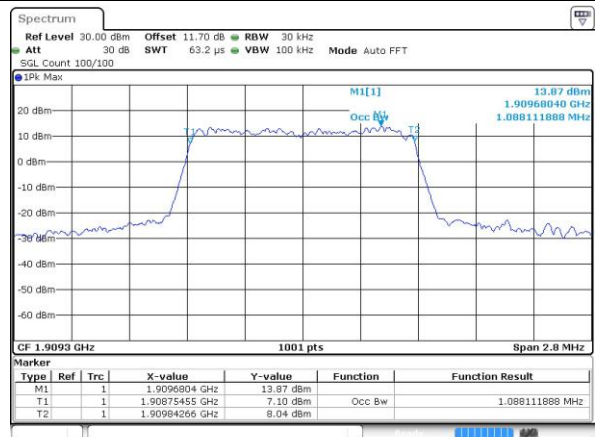
Date: 16 JUN 2017 00:58:23

Highest Channel / 1.4MHz / QPSK



Date: 16 JUN 2017 01:00:43

Highest Channel / 1.4MHz / 16QAM

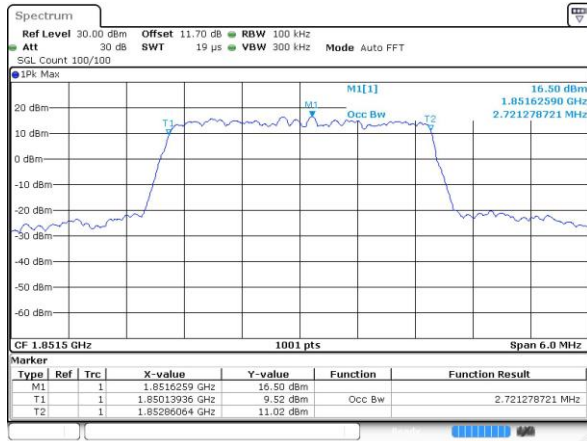


Date: 16 JUN 2017 01:00:53



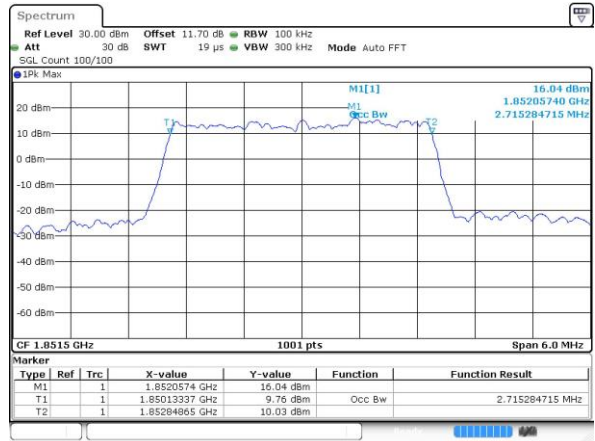
LTE Band 2

Lowest Channel / 3MHz / QPSK



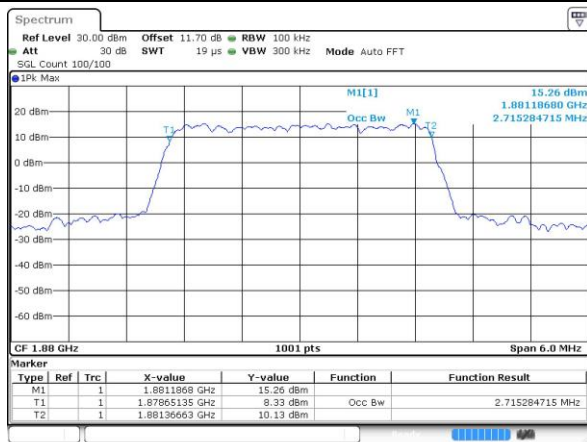
Date: 16 JUN 2017 10:58:37

Lowest Channel / 3MHz / 16QAM



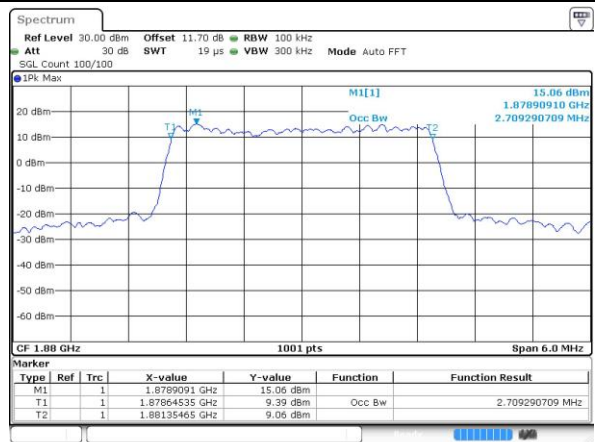
Date: 16 JUN 2017 10:58:48

Middle Channel / 3MHz / QPSK



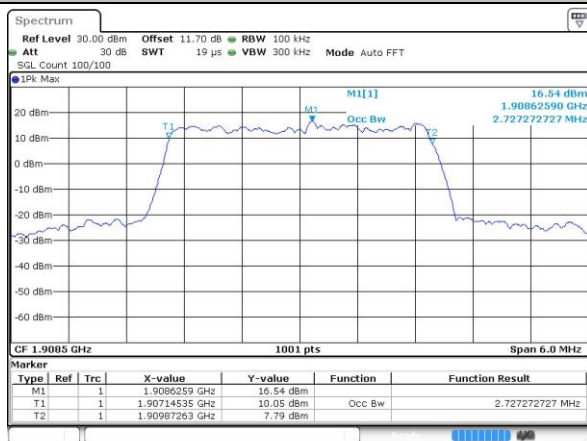
Date: 15 JUN 2017 23:31:31

Middle Channel / 3MHz / 16QAM



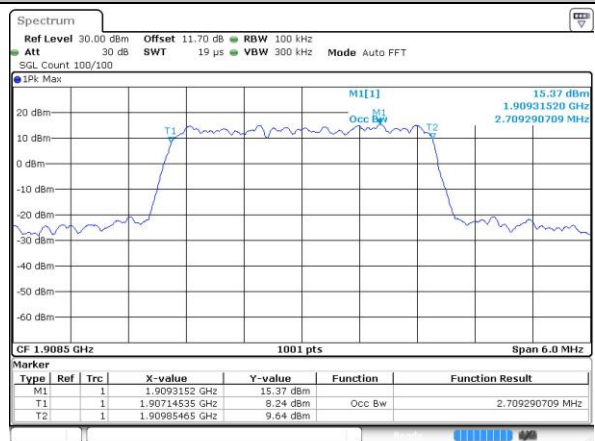
Date: 15 JUN 2017 23:31:41

Highest Channel / 3MHz / QPSK



Date: 15 JUN 2017 23:34:02

Highest Channel / 3MHz / 16QAM



Date: 15 JUN 2017 23:34:12