



# FCC RF Test Report

**APPLICANT** : Motorola Mobility, LLC  
**EQUIPMENT** : Mobile Cellular Phone  
**BRAND NAME** : Motorola  
**MODEL NAME** : 6918  
**FCC ID** : IHDT56VA5  
**STANDARD** : 47 CFR Part 2, 22(H), 24(E), 27  
**CLASSIFICATION** : PCS Licensed Transmitter Held to Ear (PCE)

The product was received on Feb. 03, 2016 and completely tested on Apr. 02, 2016. 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 1<sup>st</sup> Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C.



TABLE OF CONTENTS

REVISION HISTORY.....4
SUMMARY OF TEST RESULT .....5
1 GENERAL DESCRIPTION .....7
1.1 Applicant .....7
1.2 Manufacturer .....7
1.3 Product Feature of Equipment Under Test.....7
1.4 Re-use of Measured Data .....8
1.5 Modification of EUT .....9
1.6 Emission Designator .....10
1.7 Testing Location .....12
1.8 Applicable Standards.....12
2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST .....13
2.1 Test Mode .....13
2.2 Connection Diagram of Test System .....15
2.3 Support Unit used in test configuration and system .....16
2.4 Measurement Results Explanation Example.....16
2.5 Frequency List of Low/Middle/High Channels .....17
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 .....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 Effective Radiated Power and Effective Isotropic Radiated Power .....29
4.5 Radiated Spurious Emission .....31
5 LIST OF MEASURING EQUIPMENT .....33
6 UNCERTAINTY OF EVALUATION .....34



**APPENDIX A. TEST RESULTS OF CONDUCTED TEST**

**APPENDIX B. TEST RESULTS OF RADIATED TEST**

**APPENDIX C. ORIGINAL REPORT**





**SUMMARY OF TEST RESULT**

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	Reporting Only	PASS	-
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)	< 43+10log <sub>10</sub> (P[Watts])	PASS	-
	§27.53(m)(4)	Conducted Band Edge Measurement (Band 7) (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)	< 43+10log <sub>10</sub> (P[Watts])	PASS	-
	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (Band 7)(Band 41)	< 55+10log <sub>10</sub> (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		
4.4	§22.913(a)(2)	Effective Radiated Power (Band 5) (Band 26)	ERP < 7 Watt	PASS	-
	§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 41)	EIRP < 2Watt		
	§27.50(d)(4)	Equivalent Isotropic Radiated Power (Band 4)	EIRP < 1Watt		
4.5	§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 26)	< 43+10log <sub>10</sub> (P[Watts])	PASS	Under limit 14.53 dB at 12480.000 MHz
	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (Band 7)(Band 41)	< 55+10log <sub>10</sub> (P[Watts])		



# 1 General Description

## 1.1 Applicant

Motorola Mobility, LLC  
222 W. Merchandise Mart Plaza, Chicago IL 60654 USA

## 1.2 Manufacturer

Motorola Mobility, LLC  
222 W. Merchandise Mart Plaza, Chicago IL 60654 USA

## 1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	6918
FCC ID	IHDT56VA5
IMEI Code	354113070023323
EUT supports Radios application	CDMA/EV-DO/GSM/EGPRS/WCDMA/HSPA/LTE/FM WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 Bluetooth v3.0 EDR Bluetooth v4.0 LE
HW Version	DVT2
EUT Stage	Production Unit

Accessory List	
AC Adapter	Brand Name : Motorola
	Model Name : SPN5864A
Earphone	Brand Name : Motorola
	Model Name : SJYN1181B
USB Cable	Brand Name : Motorola
	Model Name : SKN6461A



### 1.4 Re-use of Measured Data

This application re-uses data collected on a similar device. The subject device of this application (Model 6918, FCC ID IHDT56VA5) is electrically identical to the reference device (Model 8028, FCC ID IHDT56VA2 and Model 7882, FCC ID IHDT56VA4) for the portions of the circuitry corresponding to the data being re-used, as treated by KDB Publication 178919 D01.

For details concerning the similarity with respect to component placement, mechanical/electrical design etc., please refer to the Operational Description.

The re-used RF data includes the following bands provided in Appendix C (Sporton RF Report No. FG620325B for the reference device Model 8028, FCC ID IHDT56VA2):

- LTE Band 7

The re-used RF data includes the following bands provided in Appendix C (Sporton RF Report No. FG620325-03B for the reference device Model 7882, FCC ID IHDT56VA4):

- LTE Band 4
- LTE Band 12
- LTE Band 17

The following bands from the reference device report in Appendix C are not applicable to the Model 6918 (FCC ID IHDT56VA5) subject device of this application:subject device of this application:

- LTE Band 2
- LTE Band 5
- LTE Band 13
- LTE Band 25
- LTE Band 26
- LTE Band 41

In order to confirm hardware similarity of the subject device with the reference device, spot check measurements were performed on the subject device for the individual cases as the table below this paragraph.

Assertions concerning the similarity of these devices are based on representations by the applicant. The applicant accepts full responsibility for the validity of the similarity claim, and for the determination that verification test data are sufficient to support it.

Standard	Item	Bands
Part27	RSE	LTE Band 7

Result within one uncertainty of reference device



## **1.5 Modification of EUT**

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



### 1.6 Emission Designator

LTE Band 2		QPSK			16QAM		
BW(MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	
1.4	1M09G7D	-	0.5346	1M09W7D	-	0.3311	
3	2M73G7D	-	0.4732	2M72W7D	-	0.2844	
5	4M50G7D	-	0.5152	4M50W7D	-	0.2871	
10	9M05G7D	0.0072	0.5248	9M07W7D	-	0.2871	
15	13M4G7D	-	0.5521	13M5W7D	-	0.3097	
20	18M3G7D	-	0.4819	18M3W7D	-	0.2972	
LTE Band 25		QPSK			16QAM		
BW(MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	
1.4	1M08G7D	-	0.4932	1M09W7D	-	0.3206	
3	2M73G7D	-	0.4989	2M71W7D	-	0.3034	
5	4M48G7D	-	0.5383	4M49W7D	-	0.3083	
10	8M93G7D	0.0071	0.5236	8M97W7D	-	0.3192	
15	13M4G7D	-	0.5916	13M4W7D	-	0.3251	
20	18M2G7D	-	0.5058	18M3W7D	-	0.3199	
LTE Band 26		QPSK			16QAM		
BW(MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	
1.4	1M10G7D	-	0.1057	1M10W7D	-	0.0698	
3	2M73G7D	-	0.0977	2M72W7D	-	0.0622	
5	4M48G7D	-	0.1119	4M50W7D	-	0.0612	
10	9M07G7D	0.0093	0.0979	9M03W7D	-	0.0649	
15	13M4G7D	-	0.1102	13M4W7D	-	0.0689	



LTE Band 5		QPSK			16QAM		
BW(MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	
1.4	1M10G7D	-	0.1114	1M10W7D	-	0.0710	
3	2M73G7D	-	0.1052	2M74W7D	-	0.0664	
5	4M49G7D	-	0.1167	4M50W7D	-	0.0644	
10	9M03G7D	0.0102	0.1219	9M03W7D	-	0.0701	
LTE Band 13		QPSK			16QAM		
BW(MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	
5	4M49G7D	-	0.1119	4M49W7D	-	0.0662	
10	9M03G7D	0.0148	0.0726	9M03W7D	-	0.0698	
LTE Band 41		QPSK			16QAM		
BW(MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	
5	4M48G7D	-	0.2864	4M51W7D	-	0.1652	
10	9M07G7D	0.0149	0.2985	9M05W7D	-	0.1652	
15	13M4G7D	-	0.2767	13M4W7D	-	0.1622	
20	18M5G7D	-	0.2460	18M4W7D	-	0.1538	



### 1.7 Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW1022 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

<b>Test Site</b>	SPORTON INTERNATIONAL INC.
<b>Test Site Location</b>	No. 52, Hwa Ya 1 <sup>st</sup> 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
<b>Test Site No.</b>	<b>Sporton Site No.</b>
	TH05-HY

<b>Test Site</b>	SPORTON INTERNATIONAL INC.
<b>Test Site Location</b>	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
<b>Test Site No.</b>	<b>Sporton Site No.</b>
	03CH11-HY

### 1.8 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

**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.

Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission.

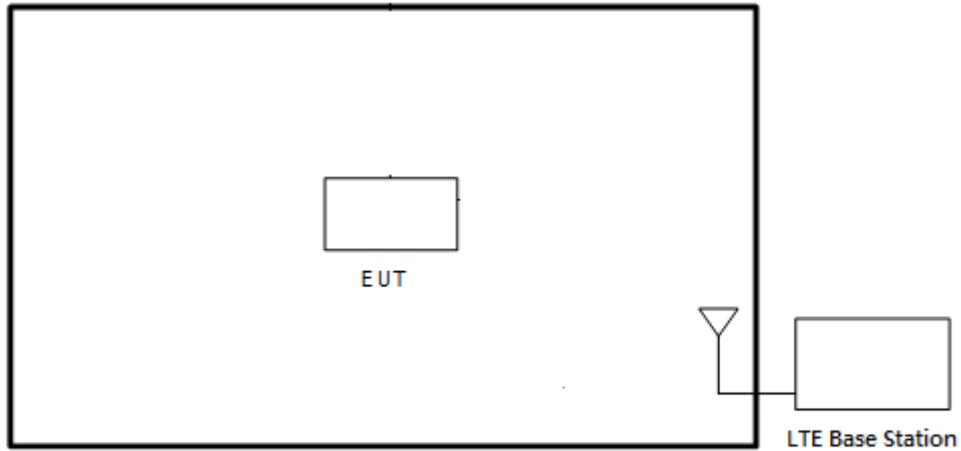
Test Items	Band	Bandwidth (MHz)						Modulation		RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full	L	M	H
Max. Output Power	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	5	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓	✓	✓	✓
	13	-	-	✓	✓	-	-	✓	✓	✓	✓	✓	✓	✓	✓
	25	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	26	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓
	41	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Peak-to-Average Ratio	2						✓	✓	✓	✓		✓	✓	✓	✓
	5				✓	-	-	✓	✓	✓		✓	✓	✓	✓
	13	-	-		✓	-	-	✓	✓	✓		✓	✓	✓	✓
	25						✓	✓	✓	✓		✓	✓	✓	✓
	26					✓	-	✓	✓	✓		✓	✓	✓	✓
	41	-	-				✓	✓	✓	✓		✓	✓	✓	✓
26dB and 99% Bandwidth	2	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓
	5	✓	✓	✓	✓	-	-	✓	✓			✓	✓	✓	✓
	13	-	-	✓	✓	-	-	✓	✓			✓	✓	✓	✓
	17	-	-	✓	✓	-	-	✓	✓			✓	✓	✓	✓
	25	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓
	26	✓	✓	✓	✓	✓	-	✓	✓			✓	✓	✓	✓
	41	-	-	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓
Conducted Band Edge	2	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓
	5	✓	✓	✓	✓	-	-	✓	✓	✓		✓	✓		✓
	13	-	-	✓	✓	-	-	✓	✓	✓		✓	✓		✓
	25	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓
	26	✓	✓	✓	✓	✓	-	✓	✓	✓		✓	✓		✓
	41	-	-	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓



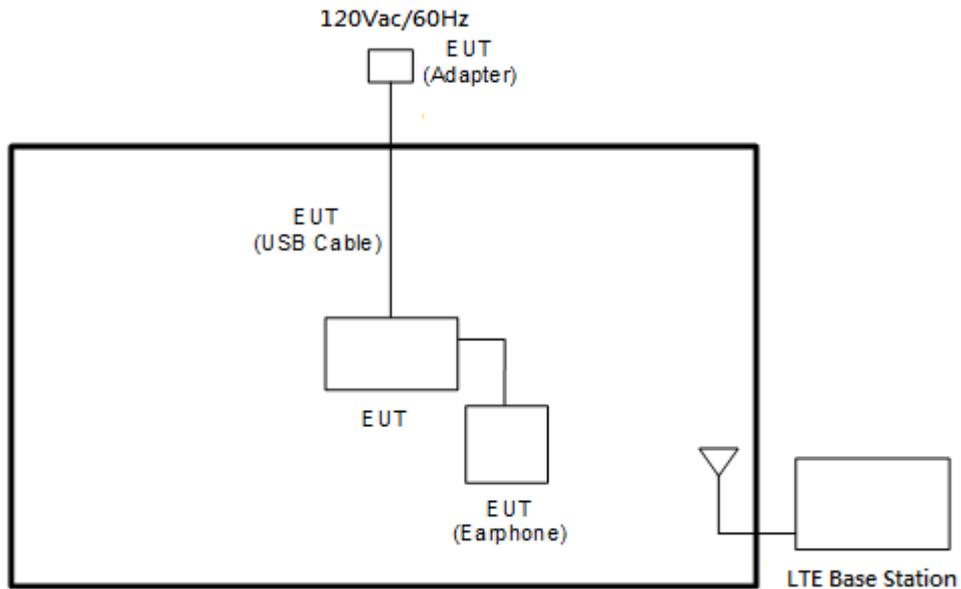
Test Items	Band	Bandwidth (MHz)						Modulation		RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full	L	M	H
Conducted Spurious Emission	2	√	√	√	√	√	√	√	√	√			√	√	√
	5	√	√	√	√	-	-	√	√	√			√	√	√
	13	-	-	√	√	-	-	√	√	√			√	√	√
	25	√	√	√	√	√	√	√	√	√			√	√	√
	26	√	√	√	√	√	-	√	√	√			√	√	√
	41	-	-	√	√	√	√	√	√	√	√			√	√
Frequency Stability	2				√			√				√		√	
	5				√	-	-	√				√		√	
	13	-	-		√	-	-	√				√		√	
	25				√			√				√		√	
	26				√		-	√				√		√	
	41	-	-		√			√				√		√	
E.R.P./ E.I.R.P.	2	√	√	√	√	√	√	√	√	√	√		√	√	√
	5	√	√	√	√	-	-	√	√	√	√		√	√	√
	13	-	-	√	√	-	-	√	√	√			√	√	√
	25	√	√	√	√	√	√	√	√	√	√		√	√	√
	26	√	√	√	√	√	-	√	√	√	√		√	√	√
	41	-	-	√	√	√	√	√	√	√			√	√	√
Radiated Spurious Emission	2	√	√	√	√	√	√	√		√			√	√	√
	5	√	√	√	√	-	-	√		√			√	√	√
	13	-	-	√	√	-	-	√		√			√	√	√
	25	√	√	√	√	√	√	√		√			√	√	√
	26	√	√	√	√	√	-	√		√			√	√	√
	41	-	-	√	√	√	√	√		√			√	√	√
Note	<p>1. The mark "√" means that this configuration is chosen for testing</p> <p>2. The mark "-" means that this bandwidth is not supported.</p> <p>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.</p>														

## 2.2 Connection Diagram of Test System

### EUT Stanalone



### EUT with Adapter





### 2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	LTE Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m

### 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 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 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 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 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

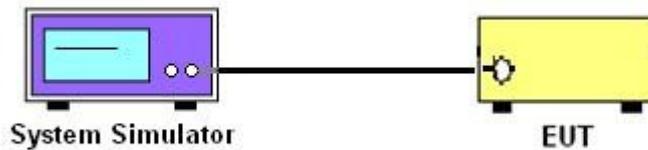
### 3 Conducted Test Items

#### 3.1 Measuring Instruments

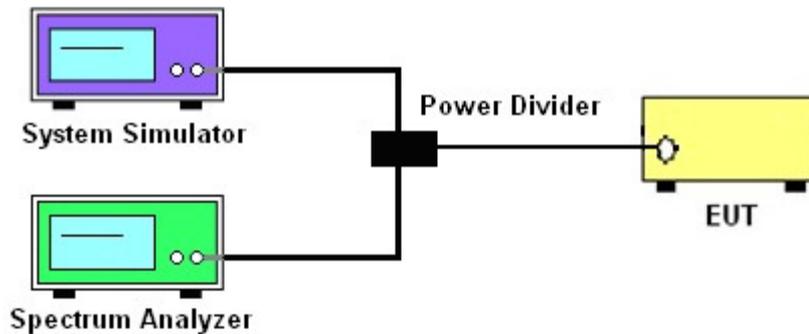
See list of measuring instruments of this test report.

#### 3.2 Test Setup

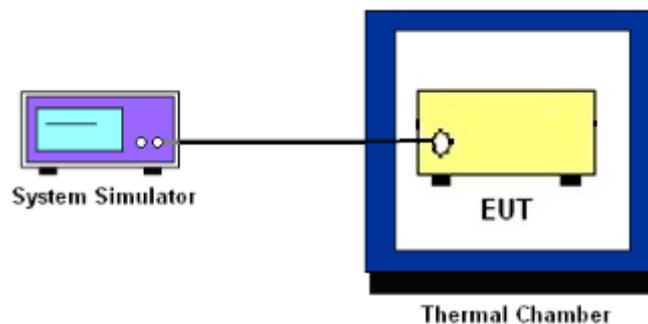
##### 3.2.1 Conducted Output Power



##### 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**

### **3.4.1 Description of the Conducted Output Power 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.

### **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 Band 5, 26

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(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 Band 2, 25

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(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 Band 13

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(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(m)(4) for FCC Band 41:

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 that  $43 + 10 \log (P)$  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.
8. Checked that all the results comply with the emission limit line.

Example:

The limit line is derived from  $43 + 10\log(P)$ dB below the transmitter power P(Watts)  
= P(W)- [43 + 10log(P)] (dB)  
= [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB) = -13dBm.

9. For LTE Band 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 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 10<sup>th</sup> 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)  
=  $P(W) - [43 + 10\log(P)]$  (dB)  
=  $[30 + 10\log(P)]$  (dBm) -  $[43 + 10\log(P)]$  (dB)  
= -13dBm.
11. For Band 41  
The limit line is derived from  $55 + 10\log(P)$ dB below the transmitter power P(Watts)  
=  $P(W) - [55 + 10\log(P)]$  (dB)  
=  $[30 + 10\log(P)]$  (dBm) -  $[55 + 10\log(P)]$  (dB)  
= -25dBm.



### **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  $-30^{\circ}\text{C}$  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  $10^{\circ}\text{C}$  step up to  $50^{\circ}\text{C}$ . 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  $25\pm 5^{\circ}\text{C}$  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.

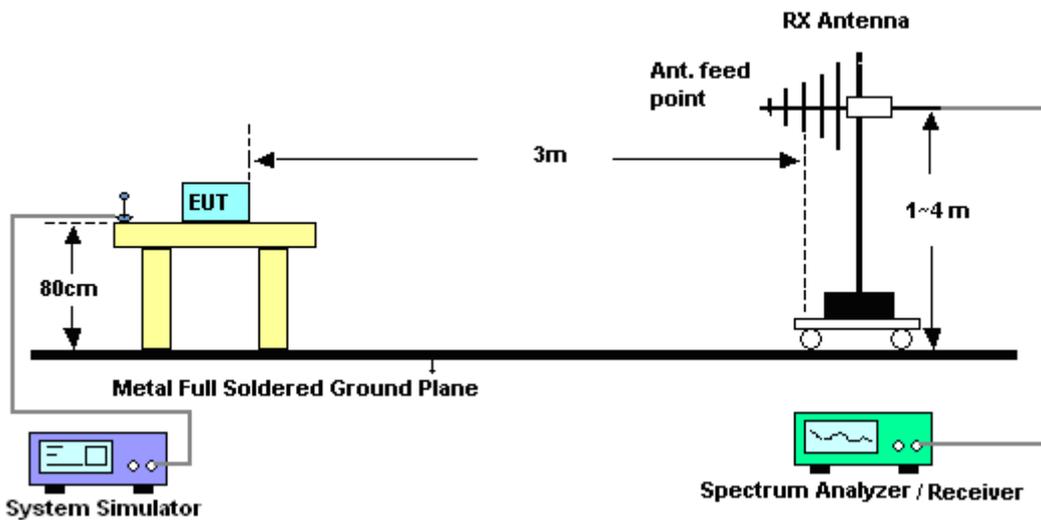
## 4 Radiated Test Items

### 4.1 Measuring Instruments

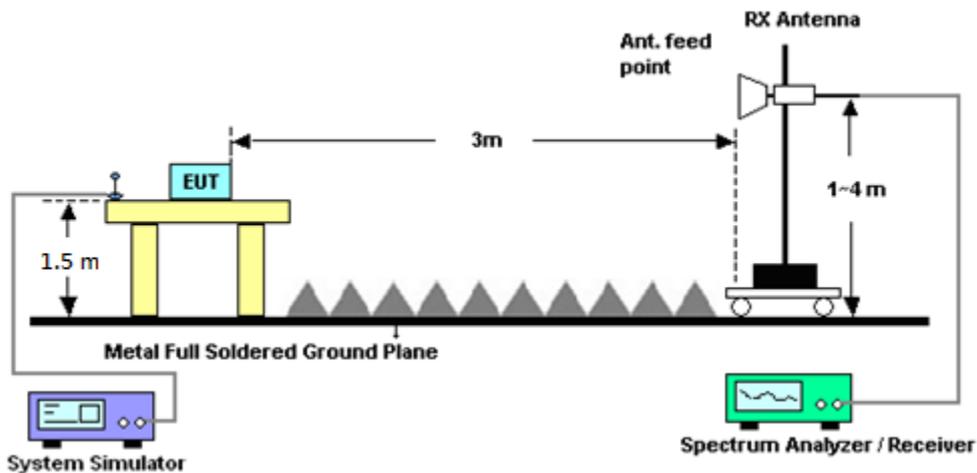
See list of measuring instruments of this test report.

### 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 Effective Radiated Power and Effective Isotropic Radiated Power**

### **4.4.1 Description of the ERP/EIRP Measurement**

Effective radiated power output measurements by substitution method according to ANSI / TIA / EIA-603-D-2010, and the spectrum analyzer configuration follows KDB 971168 D01 Power Meas. License Digital Systems v02r02. Mobile and portable (hand-held) stations operating are limited to average ERP of 7 watts with LTE band 5 / 26 and 3 watts with LTE band 13.

Equivalent isotropic radiated power output measurements by substitution method according to ANSI / TIA / EIA-603-D-2010, and the spectrum analyzer configuration follows KDB 971168 D01 Power Meas. License Digital Systems v02r02. Mobile and portable (hand-held) stations operating are limited to average EIRP of 2 watts with LTE band 2 / 25 / 41.

### **4.4.2 Test Procedures**

1. The EUT was placed on a non-conductive rotating platform (0.8 meters for frequency below 1GHz and 1.5 meter for frequency above 1GHz) in a semi-anechoic chamber. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and a spectrum analyzer with RMS detector per section 5. of KDB 971168 D01.
2. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power. The maximum emission was recorded from analyzer power level (LVL) from the 360 degrees rotation of the turntable and the test antenna raised and lowered over a range from 1 to 4 meters in both horizontally and vertically polarized orientations.
3. Effective Isotropic Radiated Power (EIRP) was measured by substitution method according to TIA/EIA-603-D. The EUT was replaced by the substitution antenna at same location, and then a known power from S.G. was applied into the dipole antenna through a Tx cable, and then recorded the maximum Analyzer reading through raised and lowered the test antenna. The correction factor (in dB) = S.G. - Tx Cable loss + Substitution antenna gain - Analyzer reading. Then the EUT's EIRP was calculated with the correction factor,  $EIRP = LVL + \text{Correction factor}$  and  $ERP = EIRP - 2.15$ . Take the record of the output power at substitution antenna.



	LTE Average					
LTE BW	1.4M	3M	5M	10M	15M	20M
Span	3MHz	6MHz	10MHz	20MHz	30MHz	40MHz
RBW	30kHz	100kHz	100kHz	300kHz	300kHz	300kHz
VBW	100kHz	300kHz	300kHz	1MHz	1MHz	1MHz
Detector	RMS	RMS	RMS	RMS	RMS	RMS
Trace	Average	Average	Average	Average	Average	Average
Average Type	Power	Power	Power	Power	Power	Power
Sweep Count	100	100	100	100	100	100

	LTE Peak					
LTE BW	1.4M	3M	5M	10M	15M	20M
Span	3MHz	6MHz	10MHz	20MHz	30MHz	40MHz
RBW	30kHz	100kHz	100kHz	300kHz	300kHz	300kHz
VBW	100kHz	300kHz	300kHz	1MHz	1MHz	1MHz
Detector	Peak	Peak	Peak	Peak	Peak	Peak
Trace	Max Hold					
Power	Channel	Channel	Channel	Channel	Channel	Channel



## 4.5 Radiated Spurious Emission

### 4.5.1 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 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 13

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.

### 4.5.2 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)

$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$$

$$= -13\text{dBm.}$$

For Band 41:



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

12. EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
13. ERP (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. 16, 2015	Mar. 26, 2016 ~ Mar. 27, 2016	Oct. 15, 2016	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101397	10Hz~40GHz	Sep. 11, 2015	Mar. 26, 2016 ~ Mar. 27, 2016	Sep. 10, 2016	Conducted (TH05-HY)
Temperature Chamber	ESPEC	SH-641	92013720	-30°C~70°C	Sep. 08, 2015	Mar. 26, 2016 ~ Mar. 27, 2016	Sep. 07, 2016	Conducted (TH05-HY)
Programmable Power Supply	GW Instek	PSS-2005	EL890089	1V~20V 0.5A~5A	Jan. 18, 2016	Mar. 26, 2016 ~ Mar. 27, 2016	Jan. 17, 2017	Conducted (TH05-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Nov. 20, 2015	Mar. 29, 2016 ~ Apr. 02, 2016	Nov. 19, 2016	Radiation (03CH11-HY)
Bilog Antenna	TESEQ	CBL 6111D	35414	30MHz~1GHz	Nov. 17, 2015	Mar. 29, 2016 ~ Apr. 02, 2016	Nov. 16, 2016	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1326	1GHz ~ 18GHz	Oct. 08, 2015	Mar. 29, 2016 ~ Apr. 02, 2016	Oct. 07, 2016	Radiation (03CH11-HY)
Preamplifier	MITEQ	AMF-7D-00 101800-30-1	1902247	1GHz~18GHz	Jul. 01, 2015	Mar. 29, 2016 ~ Apr. 02, 2016	Jun. 30, 2016	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200486	10Hz ~ 44GHZ	Sep. 24, 2015	Mar. 29, 2016 ~ Apr. 02, 2016	Sep. 23, 2016	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-450 0-B	N/A	1~4m	N/A	Mar. 29, 2016 ~ Apr. 02, 2016	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Mar. 29, 2016 ~ Apr. 02, 2016	N/A	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Nov. 02, 2015	Mar. 29, 2016 ~ Apr. 02, 2016	Nov. 01, 2016	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz ~ 40GHz	Apr. 20, 2015	Mar. 29, 2016 ~ Apr. 02, 2016	Apr. 19, 2016	Radiation (03CH11-HY)
Bilog Antenna	TESEQ	CBL 6111D	40103	30MHz to 1GHz	Jan. 13, 2016	Mar. 29, 2016 ~ Apr. 02, 2016	Jan. 12, 2017	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1241	1GHz ~ 18GHz	Apr. 22, 2015	Mar. 29, 2016 ~ Apr. 02, 2016	Apr. 21, 2016	Radiation (03CH11-HY)
Preamplifier	MITEQ	JS44-18004 000-33-8P	1840917	18GHz ~ 40GHz	Jun. 02, 2015	Mar. 29, 2016 ~ Apr. 02, 2016	Jun. 01, 2016	Radiation (03CH11-HY)
Signal Generator	Rohde & Schwarz	SMF100A	101107	100kHz~40GHz	May 22, 2015	Mar. 29, 2016 ~ Apr. 02, 2016	May 21, 2016	Radiation (03CH11-HY)



## 6 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	4.90
-------------------------------------------------------------------------	------

### Uncertainty of Radiated Emission Measurement (1 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	5.20
-------------------------------------------------------------------------	------



# 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	23.11	22.94	23.26
20	1	49		22.63	22.87	22.85
20	1	99		22.72	22.93	22.61
20	50	0		21.96	21.99	22.00
20	50	24		21.90	21.98	21.97
20	50	50		21.87	21.98	21.99
20	100	0		21.96	21.96	21.97
20	1	0	16-QAM	21.78	21.83	21.85
20	1	49		21.63	21.71	21.78
20	1	99		21.61	21.71	21.77
20	50	0		20.97	21.01	21.06
20	50	24		20.73	21.01	21.06
20	50	50		20.86	21.01	20.84
20	100	0		20.95	20.92	20.96
15	1	0	QPSK	22.91	22.81	22.90
15	1	37		23.09	22.97	23.15
15	1	74		22.77	22.97	22.89
15	36	0		21.98	21.96	21.98
15	36	20		21.94	21.97	22.00
15	36	39		21.90	21.98	22.01
15	75	0		21.96	21.97	21.95
15	1	0	16-QAM	21.75	21.74	21.80
15	1	37		21.74	21.70	21.69
15	1	74		21.56	21.69	21.78
15	36	0		20.87	20.94	21.00
15	36	20		20.91	20.98	21.08
15	36	39		20.87	20.99	20.90
15	75	0		20.99	20.98	21.02



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.85	22.81	22.94
10	1	25		23.13	23.09	23.14
10	1	49		22.83	22.81	22.68
10	25	0		21.93	21.96	22.02
10	25	12		21.98	21.95	22.07
10	25	25		21.96	21.99	22.06
10	50	0		21.88	21.98	22.02
10	1	0	16-QAM	21.70	21.71	21.78
10	1	25		21.63	21.70	21.79
10	1	49		21.56	21.73	21.83
10	25	0		20.94	21.01	21.12
10	25	12		21.02	21.02	21.06
10	25	25		20.95	21.00	21.02
10	50	0		20.98	21.01	20.99
5	1	0	QPSK	22.78	22.57	22.68
5	1	12		23.09	23.10	23.19
5	1	24		22.49	22.54	22.73
5	12	0		21.99	22.02	22.07
5	12	7		22.02	22.02	22.08
5	12	13		21.96	22.01	22.01
5	25	0		21.95	21.95	22.02
5	1	0	16-QAM	21.65	21.65	21.76
5	1	12		21.60	21.58	21.78
5	1	24		21.63	21.70	21.74
5	12	0		20.90	20.95	20.97
5	12	7		21.03	20.93	21.21
5	12	13		20.96	21.14	21.24
5	25	0		20.94	20.87	21.10



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.72	22.74	22.96
3	1	8		23.04	22.96	23.19
3	1	14		22.78	22.61	22.89
3	8	0		21.90	21.93	22.19
3	8	4		21.83	21.96	22.07
3	8	7		21.90	22.01	22.13
3	15	0		21.90	21.99	22.08
3	1	0	16-QAM	21.78	21.83	21.89
3	1	8		21.53	21.69	21.77
3	1	14		21.70	21.79	21.88
3	8	0		20.88	20.97	21.19
3	8	4		20.97	21.20	21.19
3	8	7		21.00	20.96	21.19
3	15	0		20.90	20.95	21.11
1.4	1	0	QPSK	22.54	22.83	22.93
1.4	1	3		22.78	22.84	22.98
1.4	1	5		22.59	22.77	22.88
1.4	3	0		22.68	22.93	23.00
1.4	3	1		22.95	22.98	23.08
1.4	3	3		23.04	22.82	22.96
1.4	6	0		21.82	21.92	22.01
1.4	1	0	16-QAM	21.63	21.73	21.81
1.4	1	3		21.64	21.64	21.76
1.4	1	5		21.63	21.70	21.85
1.4	3	0		21.82	21.97	22.04
1.4	3	1		21.85	21.93	22.00
1.4	3	3		21.92	22.02	22.15
1.4	6	0		20.80	20.86	21.04



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.30	23.41	23.57
20	1	49		22.74	23.05	23.13
20	1	99		23.05	23.19	22.97
20	50	0		22.12	22.20	22.27
20	50	24		22.10	22.19	22.24
20	50	50		22.11	22.18	22.25
20	100	0		22.12	22.21	22.31
20	1	0	16-QAM	21.86	21.90	22.14
20	1	49		21.87	21.93	22.01
20	1	99		21.67	21.91	21.95
20	50	0		21.03	21.12	21.32
20	50	24		21.10	21.23	21.31
20	50	50		21.10	21.18	21.25
20	100	0		21.14	21.21	21.17
15	1	0	QPSK	23.07	23.19	23.14
15	1	37		23.30	23.36	23.45
15	1	74		23.10	23.21	23.14
15	36	0		22.08	22.21	22.27
15	36	20		22.13	22.24	22.30
15	36	39		22.10	22.20	22.31
15	75	0		22.07	22.21	22.28
15	1	0	16-QAM	21.95	21.96	22.03
15	1	37		21.81	21.90	21.65
15	1	74		21.83	21.91	22.21
15	36	0		21.07	21.32	21.23
15	36	20		21.04	21.15	21.26
15	36	39		21.08	21.16	21.25
15	75	0		21.16	21.15	21.27



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.03	23.11	23.05
10	1	25		23.35	23.36	23.52
10	1	49		23.16	23.01	22.98
10	25	0		22.10	22.16	22.27
10	25	12		22.07	22.20	22.32
10	25	25		22.08	22.23	22.34
10	50	0		22.07	22.22	22.29
10	1	0	16-QAM	21.87	22.00	22.04
10	1	25		21.79	21.91	22.00
10	1	49		21.78	21.91	22.17
10	25	0		21.30	21.45	21.26
10	25	12		21.08	21.22	21.29
10	25	25		21.03	21.27	21.31
10	50	0		21.04	21.06	21.24
5	1	0	QPSK	22.91	22.82	23.10
5	1	12		23.27	23.08	23.47
5	1	24		22.76	22.84	22.85
5	12	0		22.02	22.25	22.25
5	12	7		22.09	22.25	22.34
5	12	13		22.03	22.20	22.26
5	25	0		21.99	22.15	22.32
5	1	0	16-QAM	21.70	21.90	22.01
5	1	12		21.69	21.89	22.25
5	1	24		21.67	21.83	22.10
5	12	0		20.98	21.12	21.05
5	12	7		21.10	21.27	21.27
5	12	13		21.21	21.19	21.45
5	25	0		20.99	21.28	21.43



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.66	23.08	23.21
3	1	8		23.04	23.29	23.32
3	1	14		22.93	23.08	22.95
3	8	0		21.93	22.16	22.26
3	8	4		21.96	22.14	22.35
3	8	7		21.95	22.17	22.29
3	15	0		21.97	22.14	22.34
3	1	0	16-QAM	21.79	21.89	22.12
3	1	8		22.11	21.83	22.20
3	1	14		21.78	21.93	21.97
3	8	0		20.98	21.17	21.31
3	8	4		21.05	21.31	21.40
3	8	7		20.96	21.41	21.32
3	15	0		20.91	21.21	21.21
1.4	1	0	QPSK	22.84	23.12	23.21
1.4	1	3		22.98	23.17	23.24
1.4	1	5		22.96	23.06	23.08
1.4	3	0		22.91	23.08	23.43
1.4	3	1		22.91	23.35	23.26
1.4	3	3		23.00	23.15	23.22
1.4	6	0		21.95	22.11	22.17
1.4	1	0	16-QAM	21.75	21.96	22.09
1.4	1	3		21.75	21.91	22.04
1.4	1	5		21.75	21.97	22.11
1.4	3	0		21.94	22.15	22.24
1.4	3	1		21.96	22.19	22.24
1.4	3	3		22.24	22.23	22.27
1.4	6	0		21.00	21.15	21.18



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.86	23.23	22.89
10	1	25		22.73	22.90	22.88
10	1	49		22.73	22.71	22.45
10	25	0		22.04	22.08	22.01
10	25	12		21.96	22.00	21.90
10	25	25		21.98	22.04	21.87
10	50	0		22.02	22.03	21.88
10	1	0	16-QAM	21.83	22.06	21.81
10	1	25		21.64	21.76	21.69
10	1	49		21.64	21.68	21.52
10	25	0		21.06	21.07	20.95
10	25	12		21.19	21.05	20.87
10	25	25		20.93	21.01	20.98
10	50	0		20.86	20.92	20.92
5	1	0	QPSK	22.71	22.66	22.73
5	1	12		23.18	23.20	23.06
5	1	24		22.58	22.52	22.38
5	12	0		21.94	22.07	21.79
5	12	7		21.89	21.99	21.79
5	12	13		21.89	21.98	21.78
5	25	0		21.89	21.99	21.83
5	1	0	16-QAM	21.59	21.68	21.53
5	1	12		21.71	21.94	21.49
5	1	24		21.54	21.67	21.47
5	12	0		20.88	20.89	20.68
5	12	7		20.88	20.94	20.61
5	12	13		20.87	20.92	20.67
5	25	0		20.90	20.96	20.82



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.75	22.93	22.74
3	1	8		22.55	22.76	22.76
3	1	14		22.42	22.72	22.36
3	8	0		21.87	22.01	21.89
3	8	4		21.96	22.07	21.85
3	8	7		21.82	21.98	21.88
3	15	0		21.90	21.99	21.87
3	1	0	16-QAM	21.74	21.94	21.66
3	1	8		21.55	21.63	21.48
3	1	14		21.66	21.76	21.58
3	8	0		20.89	21.05	20.87
3	8	4		20.93	21.08	20.67
3	8	7		20.95	21.01	20.92
3	15	0		20.90	20.98	20.67
1.4	1	0	QPSK	22.71	22.92	22.75
1.4	1	3		22.76	22.86	22.69
1.4	1	5		22.64	22.92	22.69
1.4	3	0		22.95	22.98	22.88
1.4	3	1		23.00	23.05	22.92
1.4	3	3		22.83	23.04	22.85
1.4	6	0		21.84	21.96	21.73
1.4	1	0	16-QAM	21.65	21.76	21.58
1.4	1	3		21.76	21.86	21.69
1.4	1	5		21.60	21.71	21.38
1.4	3	0		21.86	21.86	21.79
1.4	3	1		21.91	21.92	21.84
1.4	3	3		21.87	22.20	21.72
1.4	6	0		20.83	20.83	20.75



LTE Band 13 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK		23.19	
10	1	25			22.98	
10	1	49			22.82	
10	25	0			22.24	
10	25	12			22.18	
10	25	25			22.23	
10	50	0			22.18	
10	1	0	16-QAM		21.90	
10	1	25			22.10	
10	1	49			21.80	
10	25	0			21.07	
10	25	12			21.15	
10	25	25			21.04	
10	50	0			21.06	
5	1	0	QPSK	23.12	23.06	23.11
5	1	12		23.12	23.16	23.14
5	1	24		22.77	22.81	23.15
5	12	0		22.20	22.20	22.19
5	12	7		22.22	22.20	22.27
5	12	13		22.11	22.16	22.11
5	25	0		22.20	22.21	22.22
5	1	0	16-QAM	21.89	21.90	21.87
5	1	12		21.76	21.83	21.77
5	1	24		21.75	21.83	21.71
5	12	0		21.18	21.22	21.18
5	12	7		21.17	20.88	21.13
5	12	13		20.89	21.01	21.01
5	25	0		21.04	21.10	21.02



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.16	23.24	23.21
15	1	37		22.76	22.92	22.73
15	1	74		22.83	22.73	22.84
15	36	0		21.99	22.02	22.00
15	36	18		21.98	21.95	21.93
15	36	37		21.94	22.01	21.94
15	75	0		21.93	21.98	21.95
15	1	0	16-QAM	21.72	21.79	21.75
15	1	37		21.72	21.68	21.65
15	1	74		21.68	21.68	21.62
15	36	0		20.92	21.07	20.91
15	36	18		20.95	20.91	20.90
15	36	37		20.98	20.90	21.02
15	75	0		20.95	20.91	20.96
10	1	0	QPSK	22.87	22.81	22.86
10	1	24		23.03	23.06	23.05
10	1	49		22.71	23.14	22.83
10	25	0		22.02	21.98	21.93
10	25	12		22.00	22.01	21.94
10	25	24		21.95	22.00	21.92
10	50	0		21.98	21.95	21.95
10	1	0	16-QAM	21.71	21.72	21.70
10	1	24		21.91	21.92	21.81
10	1	49		21.70	21.68	21.58
10	25	0		20.97	20.97	20.88
10	25	12		21.01	20.93	20.90
10	25	24		20.94	20.90	20.80
10	50	0		20.99	20.94	20.95



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	22.75	22.65	22.60
5	1	12		23.15	23.16	22.87
5	1	24		22.68	22.56	22.44
5	12	0		22.01	21.90	21.91
5	12	6		22.06	21.90	21.92
5	12	11		21.92	21.91	21.81
5	25	0		21.99	21.97	21.87
5	1	0	16-QAM	21.56	21.66	21.53
5	1	12		21.62	21.59	21.54
5	1	24		21.64	21.62	21.49
5	12	0		21.12	20.90	20.78
5	12	6		20.97	20.87	20.93
5	12	11		20.93	20.90	20.71
5	25	0		21.10	20.96	20.74
3	1	0	QPSK	22.85	23.05	22.78
3	1	7		22.77	23.06	22.75
3	1	14		22.81	22.70	22.39
3	8	0		22.02	22.05	21.92
3	8	4		21.96	21.93	21.90
3	8	7		22.02	21.91	21.88
3	15	0		21.96	21.97	21.92
3	1	0	16-QAM	21.73	21.83	21.69
3	1	7		21.62	21.62	21.53
3	1	14		21.78	21.70	21.65
3	8	0		21.08	20.97	20.88
3	8	4		21.20	20.96	20.94
3	8	7		21.09	21.05	20.98
3	15	0		20.97	21.00	20.69



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	22.90	22.90	22.73
1.4	1	2		22.98	22.84	22.68
1.4	1	5		22.70	22.75	22.76
1.4	3	0		23.07	23.08	23.07
1.4	3	1		23.03	23.05	22.96
1.4	3	2		22.99	23.02	22.89
1.4	6	0		21.98	21.91	21.88
1.4	1	0	16-QAM	22.04	21.72	21.58
1.4	1	2		22.12	21.85	21.77
1.4	1	5		21.71	21.60	21.57
1.4	3	0		22.07	22.07	22.02
1.4	3	1		22.10	22.32	21.83
1.4	3	2		22.19	22.20	21.85
1.4	6	0		20.86	20.81	20.68



LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.63	22.94	22.91
20	1	49		22.46	22.72	22.66
20	1	99		22.57	22.93	22.58
20	50	0		21.49	22.04	22.17
20	50	24		21.46	21.94	21.88
20	50	50		21.46	21.84	22.06
20	100	0		21.51	21.94	22.07
20	1	0	16-QAM	21.22	21.20	21.80
20	1	49		21.18	21.70	21.57
20	1	99		21.15	21.77	21.33
20	50	0		20.45	20.83	21.26
20	50	24		20.61	20.90	20.91
20	50	50		20.75	21.03	20.87
20	100	0		20.44	20.84	20.80
15	1	0	QPSK	22.39	22.71	22.68
15	1	37		22.78	23.11	23.04
15	1	74		22.53	22.97	22.56
15	36	0		21.48	21.90	21.85
15	36	20		21.74	21.89	21.88
15	36	39		21.50	22.03	21.80
15	75	0		21.52	21.90	21.86
15	1	0	16-QAM	21.33	21.64	21.56
15	1	37		21.44	21.78	21.48
15	1	74		21.34	21.56	21.35
15	36	0		20.41	20.77	20.87
15	36	20		20.48	20.89	20.84
15	36	39		20.49	20.89	20.78
15	75	0		20.53	20.86	20.87



LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.76	22.72	22.85
10	1	25		22.74	22.98	22.87
10	1	49		22.72	22.96	22.79
10	25	0		21.64	21.92	21.90
10	25	12		21.57	21.89	21.81
10	25	25		21.61	22.00	21.84
10	50	0		21.65	21.97	21.88
10	1	0	16-QAM	21.15	21.41	21.46
10	1	25		21.38	21.76	21.50
10	1	49		21.39	21.64	21.30
10	25	0		20.83	21.10	21.13
10	25	12		20.91	21.14	21.04
10	25	25		20.82	21.23	21.03
10	50	0		20.64	20.93	20.82
5	1	0	QPSK	22.60	22.74	22.62
5	1	12		22.79	22.98	22.80
5	1	24		22.60	22.68	22.58
5	12	0		21.53	21.91	21.79
5	12	7		21.86	21.96	21.77
5	12	13		21.78	21.93	21.79
5	25	0		21.56	21.92	21.83
5	1	0	16-QAM	21.07	21.67	21.21
5	1	12		21.55	21.86	21.62
5	1	24		21.07	21.76	21.19
5	12	0		20.73	20.75	20.80
5	12	7		20.64	21.23	20.76
5	12	13		20.61	20.98	20.86
5	25	0		20.84	21.07	21.07



## Appendix B. Test Results of Radiated Test

### ERP/EIRP

LTE Band 2 Radiated Power EIRP for BW 1.4MHz / QPSK							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1850.7	-20.02	6.35	9.53	-32.13	45.31	25.29	0.3381
1880.0	-19.70	6.40	9.64	-32.19	45.43	25.73	0.3741
1909.3	-19.23	6.46	9.75	-32.28	45.58	26.35	0.4315
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1850.7	-17.82	6.35	9.53	-31.04	44.22	26.40	0.4365
1880.0	-17.55	6.40	9.64	-31.11	44.35	26.80	0.4786
1909.3	-17.20	6.46	9.75	-31.18	44.48	27.28	0.5346

LTE Band 2 Radiated Power EIRP for BW 1.4MHz / 16QAM							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1850.7	-22.30	6.35	9.53	-32.18	45.36	23.06	0.2023
1880.0	-21.73	6.40	9.64	-32.21	45.45	23.72	0.2355
1909.3	-21.50	6.46	9.75	-32.24	45.54	24.04	0.2535
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1850.7	-20.14	6.35	9.53	-31.05	44.23	24.09	0.2564
1880.0	-19.61	6.40	9.64	-31.16	44.40	24.79	0.3013
1909.3	-19.34	6.46	9.75	-31.24	44.54	25.20	0.3311

S.G. power = 10 (dBm)



LTE Band 2 Radiated Power EIRP for BW 3MHz / QPSK							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1851.5	-20.33	6.35	9.53	-32.07	45.25	24.92	0.3105
1880.0	-19.74	6.40	9.64	-32.16	45.40	25.66	0.3681
1908.5	-19.70	6.45	9.75	-32.27	45.57	25.87	0.3864
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1851.5	-18.76	6.35	9.53	-31.09	44.27	25.51	0.3556
1880.0	-18.16	6.40	9.64	-31.15	44.39	26.23	0.4198
1908.5	-17.82	6.45	9.75	-31.27	44.57	26.75	0.4732

LTE Band 2 Radiated Power EIRP for BW 3MHz / 16QAM							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1851.5	-21.42	6.35	9.53	-31.11	44.29	22.87	0.1936
1880.0	-22.23	6.40	9.64	-32.21	45.45	23.22	0.2099
1908.5	-22.11	6.45	9.75	-32.28	45.58	23.47	0.2223
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1851.5	-20.51	6.35	9.53	-31.04	44.22	23.71	0.2350
1880.0	-20.41	6.40	9.64	-31.22	44.46	24.05	0.2541
1908.5	-19.99	6.45	9.75	-31.23	44.53	24.54	0.2844

S.G. power = 10 (dBm)



LTE Band 2 Radiated Power EIRP for BW 5MHz / QPSK							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1852.5	-19.92	6.35	9.54	-32.08	45.26	25.34	0.3420
1880.0	-19.58	6.40	9.64	-32.24	45.48	25.90	0.3890
1907.5	-19.86	6.45	9.75	-32.34	45.63	25.77	0.3776
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1852.5	-18.33	6.35	9.54	-31.05	44.23	25.90	0.3890
1880.0	-17.78	6.40	9.64	-31.19	44.43	26.65	0.4624
1907.5	-17.44	6.45	9.75	-31.27	44.56	27.12	0.5152

LTE Band 2 Radiated Power EIRP for BW 5MHz / 16QAM							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1852.5	-22.91	6.35	9.54	-32.12	45.30	22.39	0.1734
1880.0	-22.47	6.40	9.64	-32.25	45.49	23.02	0.2004
1907.5	-22.26	6.45	9.75	-32.29	45.58	23.32	0.2148
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1852.5	-20.71	6.35	9.54	-31.07	44.25	23.54	0.2259
1880.0	-20.26	6.40	9.64	-31.12	44.36	24.10	0.2570
1907.5	-20.08	6.45	9.75	-31.37	44.66	24.58	0.2871

S.G. power = 10 (dBm)



LTE Band 2 Radiated Power EIRP for BW 10MHz / QPSK							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1855.0	-19.98	6.36	9.55	-32.04	45.23	25.25	0.3350
1880.0	-19.84	6.40	9.64	-32.19	45.43	25.59	0.3622
1905.0	-19.70	6.45	9.74	-32.37	45.66	25.96	0.3945
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1855.0	-18.22	6.36	9.55	-31.14	44.33	26.11	0.4083
1880.0	-17.97	6.40	9.64	-31.23	44.47	26.50	0.4467
1905.0	-17.47	6.45	9.74	-31.38	44.67	27.20	0.5248

LTE Band 2 Radiated Power EIRP for BW 10MHz / 16QAM							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1855.0	-22.54	6.36	9.55	-32.06	45.25	22.71	0.1866
1880.0	-22.06	6.40	9.64	-32.14	45.38	23.32	0.2148
1905.0	-21.98	6.45	9.74	-32.29	45.58	23.60	0.2291
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1855.0	-20.56	6.36	9.55	-31.05	44.24	23.68	0.2333
1880.0	-20.20	6.40	9.64	-31.25	44.49	24.29	0.2685
1905.0	-20.05	6.45	9.74	-31.34	44.63	24.58	0.2871

S.G. power = 10 (dBm)



LTE Band 2 Radiated Power EIRP for BW 15MHz / QPSK							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1857.5	-19.78	6.36	9.56	-32.01	45.20	25.42	0.3483
1880.0	-19.43	6.40	9.64	-32.16	45.40	25.97	0.3954
1902.5	-19.17	6.44	9.73	-32.25	45.53	26.36	0.4325
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1857.5	-17.78	6.36	9.56	-31.03	44.22	26.44	0.4406
1880.0	-17.34	6.40	9.64	-31.23	44.47	27.13	0.5164
1902.5	-17.19	6.44	9.73	-31.33	44.61	27.42	0.5521

LTE Band 2 Radiated Power EIRP for BW 15MHz / 16QAM							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1857.5	-22.29	6.36	9.56	-32.05	45.24	22.95	0.1972
1880.0	-22.03	6.40	9.64	-32.14	45.38	23.35	0.2163
1902.5	-21.73	6.44	9.73	-32.22	45.50	23.77	0.2382
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1857.5	-20.28	6.36	9.56	-31.09	44.28	24.00	0.2512
1880.0	-19.83	6.40	9.64	-31.16	44.40	24.57	0.2864
1902.5	-19.64	6.44	9.73	-31.27	44.55	24.91	0.3097

S.G. power = 10 (dBm)



LTE Band 2 Radiated Power EIRP for BW 20MHz / QPSK							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1860.0	-19.38	6.37	9.57	-32.11	45.31	25.93	0.3917
1880.0	-19.19	6.40	9.64	-32.17	45.41	26.22	0.4188
1900.0	-18.95	6.44	9.72	-32.27	45.55	26.60	0.4571
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1860.0	-18.53	6.37	9.57	-31.13	44.33	25.80	0.3802
1880.0	-18.00	6.40	9.64	-31.19	44.43	26.43	0.4395
1900.0	-17.69	6.44	9.72	-31.24	44.52	26.83	0.4819

LTE Band 2 Radiated Power EIRP for BW 20MHz / 16QAM							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1860.0	-21.88	6.37	9.57	-32.08	45.28	23.40	0.2188
1880.0	-21.22	6.40	9.64	-32.15	45.39	24.17	0.2612
1900.0	-20.94	6.44	9.72	-32.23	45.51	24.57	0.2864
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1860.0	-20.66	6.37	9.57	-31.14	44.34	23.68	0.2333
1880.0	-19.99	6.40	9.64	-31.19	44.43	24.44	0.2780
1900.0	-19.82	6.44	9.72	-31.27	44.55	24.73	0.2972

S.G. power = 10 (dBm)



LTE Band 25 Radiated Power EIRP for BW 1.4MHz / QPSK							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1850.70	-20.22	6.35	9.53	-32.14	45.32	25.10	0.3236
1880.00	-19.53	6.40	9.64	-32.16	45.40	25.87	0.3864
1914.30	-19.51	6.47	9.77	-32.21	45.52	26.01	0.3990
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1850.70	-18.35	6.35	9.53	-31.08	44.26	25.91	0.3899
1880.00	-17.81	6.40	9.64	-31.18	44.42	26.61	0.4581
1914.30	-17.62	6.47	9.77	-31.24	44.55	26.93	0.4932

LTE Band 25 Radiated Power EIRP for BW 1.4MHz / 16QAM							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1850.70	-21.99	6.35	9.53	-32.09	45.27	23.28	0.2128
1880.00	-21.58	6.40	9.64	-32.14	45.38	23.80	0.2399
1914.30	-21.46	6.47	9.77	-32.28	45.59	24.13	0.2588
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1850.70	-20.58	6.35	9.53	-31.13	44.31	23.73	0.2360
1880.00	-20.19	6.40	9.64	-31.22	44.46	24.27	0.2673
1914.30	-19.52	6.47	9.77	-31.27	44.58	25.06	0.3206

S.G. power = 10 (dBm)



LTE Band 25 Radiated Power EIRP for BW 3MHz / QPSK							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1851.50	-20.58	6.35	9.53	-32.11	45.29	24.71	0.2958
1880.00	-20.28	6.40	9.64	-32.16	45.40	25.12	0.3251
1913.50	-19.58	6.46	9.77	-32.27	45.58	26.00	0.3981
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1851.50	-18.81	6.35	9.53	-31.19	44.37	25.56	0.3597
1880.00	-18.17	6.40	9.64	-31.25	44.49	26.32	0.4285
1913.50	-17.67	6.46	9.77	-31.34	44.65	26.98	0.4989

LTE Band 25 Radiated Power EIRP for BW 3MHz / 16QAM							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1851.50	-22.84	6.35	9.53	-32.07	45.25	22.41	0.1742
1880.00	-22.28	6.40	9.64	-32.14	45.38	23.10	0.2042
1913.50	-21.86	6.46	9.77	-32.26	45.57	23.71	0.2350
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1851.50	-20.68	6.35	9.53	-31.07	44.25	23.57	0.2275
1880.00	-20.10	6.40	9.64	-31.18	44.42	24.32	0.2704
1913.50	-19.76	6.46	9.77	-31.27	44.58	24.82	0.3034

S.G. power = 10 (dBm)



LTE Band 25 Radiated Power EIRP for BW 5MHz / QPSK							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1852.50	-20.59	6.35	9.54	-32.09	45.27	24.68	0.2938
1880.00	-19.93	6.40	9.64	-32.16	45.40	25.47	0.3524
1912.50	-19.02	6.46	9.77	-32.24	45.54	26.52	0.4487
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1852.50	-18.36	6.35	9.54	-31.05	44.23	25.87	0.3864
1880.00	-17.71	6.40	9.64	-31.14	44.38	26.67	0.4645
1912.50	-17.22	6.46	9.77	-31.23	44.53	27.31	0.5383

LTE Band 25 Radiated Power EIRP for BW 5MHz / 16QAM							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1852.50	-22.52	6.35	9.54	-32.11	45.29	22.77	0.1892
1880.00	-22.12	6.40	9.64	-32.19	45.43	23.31	0.2143
1912.50	-21.45	6.46	9.77	-32.23	45.53	24.08	0.2559
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1852.50	-20.72	6.35	9.54	-31.07	44.25	23.53	0.2254
1880.00	-20.06	6.40	9.64	-31.18	44.42	24.36	0.2729
1912.50	-19.69	6.46	9.77	-31.28	44.58	24.89	0.3083

S.G. power = 10 (dBm)



LTE Band 25 Radiated Power EIRP for BW 10MHz / QPSK							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1855.00	-20.10	6.36	9.55	-32.13	45.32	25.22	0.3327
1880.00	-19.21	6.40	9.64	-32.16	45.40	26.19	0.4159
1910.00	-18.68	6.46	9.76	-32.24	45.54	26.86	0.4853
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1855.00	-18.13	6.36	9.55	-31.09	44.28	26.15	0.4121
1880.00	-17.84	6.40	9.64	-31.21	44.45	26.61	0.4581
1910.00	-17.40	6.46	9.76	-31.29	44.59	27.19	0.5236

LTE Band 25 Radiated Power EIRP for BW 10MHz / 16QAM							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1855.00	-28.54	6.36	9.55	-32.17	45.36	16.82	0.0481
1880.00	-28.12	6.40	9.64	-32.19	45.43	17.31	0.0538
1910.00	-27.56	6.46	9.76	-32.21	45.51	17.95	0.0624
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1855.00	-20.63	6.36	9.55	-31.11	44.30	23.67	0.2328
1880.00	-20.10	6.40	9.64	-31.23	44.47	24.37	0.2735
1910.00	-20.52	6.46	9.76	-32.26	45.56	25.04	0.3192

S.G. power = 10 (dBm)



LTE Band 25 Radiated Power EIRP for BW 15MHz / QPSK							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1857.5	-26.04	6.36	9.56	-32.04	45.23	19.19	0.0830
1880.00	-25.89	6.40	9.64	-32.26	45.50	19.61	0.0914
1907.5	-24.92	6.45	9.75	-32.24	45.53	20.61	0.1151
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1857.5	-18.08	6.36	9.56	-31.08	44.27	26.19	0.4159
1880.0	-17.65	6.40	9.64	-31.19	44.43	26.78	0.4764
1907.5	-16.80	6.45	9.75	-31.23	44.52	27.72	0.5916

LTE Band 25 Radiated Power EIRP for BW 15MHz / 16QAM							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1857.5	-28.28	6.36	9.56	-32.12	45.31	17.03	0.0505
1880.00	-27.98	6.40	9.64	-32.23	45.47	17.49	0.0561
1907.5	-27.53	6.45	9.75	-32.27	45.56	18.03	0.0635
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1857.5	-20.35	6.36	9.56	-31.06	44.25	23.90	0.2455
1880.0	-19.79	6.40	9.64	-31.15	44.39	24.60	0.2884
1907.5	-19.44	6.45	9.75	-31.27	44.56	25.12	0.3251

S.G. power = 10 (dBm)



LTE Band 25 Radiated Power EIRP for BW 20MHz / QPSK							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1860.0	-26.51	6.37	9.57	-32.13	45.33	18.82	0.0762
1880.00	-26.08	6.40	9.64	-32.26	45.50	19.42	0.0875
1905.0	-25.84	6.45	9.74	-32.34	45.63	19.79	0.0953
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1860.0	-18.39	6.37	9.57	-31.08	44.28	25.89	0.3882
1880.0	-17.70	6.40	9.64	-31.19	44.43	26.73	0.4710
1905.0	-17.48	6.45	9.74	-31.23	44.52	27.04	0.5058

LTE Band 25 Radiated Power EIRP for BW 20MHz / 16QAM							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1860.0	-28.63	6.37	9.57	-32.19	45.39	16.76	0.0474
1880.00	-28.26	6.40	9.64	-32.21	45.45	17.19	0.0524
1905.0	-27.80	6.45	9.74	-32.29	45.58	17.78	0.0600
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
1860.0	-20.43	6.37	9.57	-31.11	44.31	23.88	0.2443
1880.0	-19.96	6.40	9.64	-31.23	44.47	24.51	0.2825
1905.0	-19.51	6.45	9.74	-31.27	44.56	25.05	0.3199

S.G. power = 10 (dBm)



LTE Band 5 Radiated Power ERP for BW 1.4MHz / QPSK							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
824.7	-26.60	9.47	0.48	-38.81	29.83	1.08	0.0013
836.5	-25.99	9.51	0.49	-38.83	29.81	1.67	0.0015
848.3	-25.91	9.55	0.50	-38.99	29.94	1.88	0.0015
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
824.7	-8.71	9.47	0.48	-39.83	30.85	19.99	0.0998
836.5	-8.54	9.51	0.49	-39.91	30.89	20.20	0.1047
848.3	-8.36	9.55	0.50	-40.03	30.98	20.47	0.1114

LTE Band 5 Radiated Power ERP for BW 1.4MHz / 16QAM							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
824.7	-28.37	9.47	0.48	-38.84	29.86	-0.66	0.0009
836.5	-27.70	9.51	0.49	-38.89	29.87	0.02	0.0010
848.3	-27.87	9.55	0.50	-38.97	29.92	-0.10	0.0010
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
824.7	-10.49	9.47	0.48	-39.86	30.88	18.24	0.0667
836.5	-10.27	9.51	0.49	-39.95	30.93	18.51	0.0710
848.3	-10.43	9.55	0.50	-40.11	31.06	18.48	0.0705

\* ERP = LVL (dBm) + Correction Factor (dB) - 2.15

S.G. power = 0 (dBm)



LTE Band 5 Radiated Power ERP for BW 3MHz / QPSK							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
825.5	-26.55	9.47	0.49	-38.82	29.84	1.14	0.0013
836.5	-26.27	9.51	0.49	-38.91	29.89	1.47	0.0014
847.5	-26.05	9.55	0.50	-38.98	29.93	1.73	0.0015
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
825.5	-8.74	9.47	0.49	-39.84	30.86	19.97	0.0993
836.5	-8.58	9.51	0.49	-39.93	30.91	20.18	0.1042
847.5	-8.66	9.55	0.50	-40.08	31.03	20.22	0.1052

LTE Band 5 Radiated Power ERP for BW 3MHz / 16QAM							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
825.5	-28.76	9.47	0.49	-38.83	29.85	-1.06	0.0008
836.5	-28.26	9.51	0.49	-38.92	29.90	-0.51	0.0009
847.5	-27.98	9.55	0.50	-38.94	29.89	-0.24	0.0009
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
825.5	-10.88	9.47	0.49	-39.82	30.84	17.81	0.0604
836.5	-10.60	9.51	0.49	-39.95	30.93	18.18	0.0658
847.5	-10.64	9.55	0.50	-40.06	31.01	18.22	0.0664

\* ERP = LVL (dBm) + Correction Factor (dB) - 2.15

S.G. power = 0 (dBm)



LTE Band 5 Radiated Power ERP for BW 5MHz / QPSK							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
826.5	-26.09	9.47	0.49	-38.86	29.87	1.63	0.0015
836.5	-25.74	9.51	0.49	-38.94	29.92	2.03	0.0016
846.5	-25.62	9.54	0.50	-38.97	29.92	2.15	0.0016
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
826.5	-8.35	9.47	0.49	-39.91	30.92	20.42	0.1102
836.5	-8.32	9.51	0.49	-39.99	30.97	20.50	0.1122
846.5	-8.26	9.54	0.50	-40.13	31.08	20.67	0.1167

LTE Band 5 Radiated Power ERP for BW 5MHz / 16QAM							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
826.5	-28.64	9.47	0.49	-38.82	29.83	-0.96	0.0008
836.5	-28.30	9.51	0.49	-38.91	29.89	-0.56	0.0009
846.5	-28.19	9.54	0.50	-38.93	29.88	-0.46	0.0009
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
826.5	-11.00	9.47	0.49	-39.97	30.98	17.83	0.0607
836.5	-10.87	9.51	0.49	-40.01	30.99	17.97	0.0627
846.5	-10.89	9.54	0.50	-40.18	31.13	18.09	0.0644

\* ERP = LVL (dBm) + Correction Factor (dB) - 2.15

S.G. power = 0 (dBm)



LTE Band 5 Radiated Power ERP for BW 10MHz / QPSK							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
829	-26.39	9.48	0.49	-38.86	29.86	1.32	0.0014
836.5	-26.18	9.51	0.49	-38.94	29.92	1.59	0.0014
844	-25.52	9.54	0.50	-38.99	29.95	2.28	0.0017
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
829	-8.74	9.48	0.49	-39.98	30.98	20.09	0.1021
836.5	-8.54	9.51	0.49	-40.06	31.04	20.35	0.1084
844	-8.09	9.54	0.50	-40.14	31.10	20.86	0.1219

LTE Band 5 Radiated Power ERP for BW 10MHz / 16QAM							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
829	-28.55	9.48	0.49	-38.89	29.89	-0.81	0.0008
836.5	-28.24	9.51	0.49	-38.98	29.96	-0.43	0.0009
844	-27.77	9.54	0.50	-38.97	29.93	0.01	0.0010
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
829	-10.67	9.48	0.49	-39.85	30.85	18.03	0.0635
836.5	-10.58	9.51	0.49	-40.11	31.09	18.36	0.0685
844	-10.51	9.54	0.50	-40.16	31.12	18.46	0.0701

\* ERP = LVL (dBm) + Correction Factor (dB) - 2.15

S.G. power = 0 (dBm)



LTE Band 13 Radiated Power ERP for BW 5MHz / QPSK							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
779.50	-26.01	9.23	0.40	-38.46	29.63	1.47	0.0014
782.00	-25.17	9.25	0.41	-38.51	29.67	2.35	0.0017
784.50	-27.15	9.27	0.42	-38.57	29.72	0.42	0.0011
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
779.50	-9.28	9.23	0.40	-39.85	31.02	19.59	0.0910
782.00	-8.57	9.25	0.41	-40.05	31.21	20.49	0.1119
784.50	-10.44	9.27	0.42	-40.16	31.31	18.72	0.0745

LTE Band 13 Radiated Power ERP for BW 5MHz / 16QAM							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
779.50	-27.98	9.23	0.40	-38.43	29.60	-0.53	0.0009
782.00	-27.27	9.25	0.41	-38.49	29.65	0.23	0.0011
784.50	-27.42	9.27	0.42	-38.52	29.67	0.10	0.0010
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
779.50	-11.22	9.23	0.40	-39.81	30.98	17.61	0.0577
782.00	-10.79	9.25	0.41	-39.99	31.15	18.21	0.0662
784.50	-10.97	9.27	0.42	-40.03	31.18	18.06	0.0640

\* ERP = LVL (dBm) + Correction Factor (dB) - 2.15

S.G. power = 0 (dBm)



LTE Band 13 Radiated Power ERP for BW 10MHz / QPSK							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
782.00	-26.93	9.25	0.41	-38.52	29.68	0.60	0.0011
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
782.00	-10.33	9.25	0.41	-39.93	31.09	18.61	0.0726

LTE Band 13 Radiated Power ERP for BW 10MHz / 16QAM							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
782.00	-26.96	9.25	0.41	-38.52	29.68	0.57	0.0011
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
782.00	-10.50	9.25	0.41	-39.93	31.09	18.44	0.0698

\* ERP = LVL (dBm) + Correction Factor (dB) - 2.15

S.G. power = 0 (dBm)



LTE Band 26 Radiated Power ERP for BW 1.4MHz / QPSK							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
824.7	-26.28	9.47	0.48	-38.81	29.83	1.40	0.0014
836.5	-25.98	9.51	0.49	-38.83	29.81	1.68	0.0015
848.3	-26.06	9.55	0.50	-38.99	29.94	1.73	0.0015
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
824.7	-8.61	9.47	0.48	-39.83	30.85	20.09	0.1021
836.5	-8.50	9.51	0.49	-39.91	30.89	20.24	0.1057
848.3	-8.77	9.55	0.50	-40.03	30.98	20.06	0.1014

LTE Band 26 Radiated Power ERP for BW 1.4MHz / 16QAM							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
824.7	-28.25	9.47	0.48	-38.82	29.84	-0.56	0.0009
836.5	-28.03	9.51	0.49	-38.87	29.85	-0.33	0.0009
848.3	-28.31	9.55	0.50	-38.97	29.92	-0.54	0.0009
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
824.7	-10.36	9.47	0.48	-39.74	30.76	18.25	0.0668
836.5	-10.39	9.51	0.49	-39.98	30.96	18.42	0.0695
848.3	-10.44	9.55	0.50	-40.08	31.03	18.44	0.0698

\* ERP = LVL (dBm) + Correction Factor (dB) - 2.15

S.G. power = 0 (dBm)



LTE Band 26 Radiated Power ERP for BW 3MHz / QPSK							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
825.5	-26.62	9.47	0.49	-38.86	29.88	1.11	0.0013
836.5	-26.41	9.51	0.49	-38.97	29.95	1.39	0.0014
847.5	-26.65	9.55	0.50	-39.03	29.98	1.18	0.0013
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
825.5	-8.78	9.47	0.49	-39.81	30.83	19.90	0.0977
836.5	-8.87	9.51	0.49	-39.94	30.92	19.90	0.0977
847.5	-9.03	9.55	0.50	-40.02	30.97	19.79	0.0953

LTE Band 26 Radiated Power ERP for BW 3MHz / 16QAM							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
825.5	-28.63	9.47	0.49	-38.89	29.91	-0.87	0.0008
836.5	-28.40	9.51	0.49	-38.94	29.92	-0.63	0.0009
847.5	-28.38	9.55	0.50	-39.05	30.00	-0.53	0.0009
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
825.5	-10.83	9.47	0.49	-39.83	30.85	17.87	0.0612
836.5	-10.88	9.51	0.49	-39.97	30.95	17.92	0.0619
847.5	-11.04	9.55	0.50	-40.18	31.13	17.94	0.0622

\* ERP = LVL (dBm) + Correction Factor (dB) - 2.15

S.G. power = 0 (dBm)



LTE Band 26 Radiated Power ERP for BW 5MHz / QPSK							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
826.5	-26.02	9.47	0.49	-38.85	29.86	1.69	0.0015
836.5	-25.77	9.51	0.49	-38.91	29.89	1.97	0.0016
846.5	-26.34	9.54	0.50	-39.01	29.96	1.47	0.0014
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
826.5	-8.42	9.47	0.49	-39.86	30.87	20.30	0.1072
836.5	-8.32	9.51	0.49	-39.98	30.96	20.49	0.1119
846.5	-8.43	9.54	0.50	-40.05	31.00	20.42	0.1102

LTE Band 26 Radiated Power ERP for BW 5MHz / 16QAM							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
826.5	-28.44	9.47	0.49	-38.73	29.74	-0.85	0.0008
836.5	-28.36	9.51	0.49	-38.89	29.87	-0.64	0.0009
846.5	-29.32	9.54	0.50	-39.99	30.94	-0.53	0.0009
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
826.5	-11.03	9.47	0.49	-39.85	30.86	17.68	0.0586
836.5	-10.93	9.51	0.49	-39.97	30.95	17.87	0.0612
846.5	-11.10	9.54	0.50	-40.01	30.96	17.71	0.0590

\* ERP = LVL (dBm) + Correction Factor (dB) - 2.15

S.G. power = 0 (dBm)



LTE Band 26 Radiated Power ERP for BW 10MHz / QPSK							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
829	-26.48	9.48	0.49	-38.79	29.79	1.16	0.0013
836.5	-26.27	9.51	0.49	-38.94	29.92	1.50	0.0014
844	-26.64	9.54	0.50	-38.92	29.88	1.09	0.0013
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
829	-8.95	9.48	0.49	-39.89	30.89	19.79	0.0953
836.5	-8.95	9.51	0.49	-39.94	30.92	19.82	0.0959
844	-8.95	9.54	0.50	-40.05	31.01	19.91	0.0979

LTE Band 26 Radiated Power ERP for BW 10MHz / 16QAM							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
829	-28.07	9.48	0.49	-38.81	29.81	-0.41	0.0009
836.5	-28.19	9.51	0.49	-38.92	29.90	-0.44	0.0009
844	-28.21	9.54	0.50	-38.99	29.95	-0.41	0.0009
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
829	-10.66	9.48	0.49	-39.93	30.93	18.12	0.0649
836.5	-10.73	9.51	0.49	-39.98	30.96	18.08	0.0643
844	-10.94	9.54	0.50	-40.16	31.12	18.03	0.0635

\* ERP = LVL (dBm) + Correction Factor (dB) - 2.15

S.G. power = 0 (dBm)



LTE Band 26 Radiated Power ERP for BW 15MHz / QPSK							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
831.5	-25.89	9.49	0.49	-38.79	29.79	1.75	0.0015
836.5	-25.67	9.51	0.49	-38.84	29.82	2.00	0.0016
841.5	-25.97	9.53	0.49	-38.96	29.93	1.81	0.0015
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
831.5	-8.49	9.49	0.49	-39.91	30.91	20.27	0.1064
836.5	-8.35	9.51	0.49	-39.94	30.92	20.42	0.1102
841.5	-8.33	9.53	0.49	-39.83	30.80	20.32	0.1076

LTE Band 26 Radiated Power ERP for BW 15MHz / 16QAM							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
831.5	-28.11	9.49	0.49	-38.76	29.76	-0.50	0.0009
836.5	-27.98	9.51	0.49	-38.89	29.87	-0.26	0.0009
841.5	-27.96	9.53	0.49	-38.92	29.89	-0.22	0.0010
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	ERP (dBm)	ERP (W)
831.5	-10.75	9.49	0.49	-39.98	30.98	18.08	0.0643
836.5	-10.48	9.51	0.49	-39.91	30.89	18.26	0.0670
841.5	-10.47	9.53	0.49	-40.03	31.00	18.38	0.0689

\* ERP = LVL (dBm) + Correction Factor (dB) - 2.15

S.G. power = 0 (dBm)



LTE Band 41 Radiated Power EIRP for BW 5MHz / QPSK							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2498.50	-26.39	7.50	10.80	-35.74	49.03	22.64	0.1837
2593.00	-25.92	7.67	10.87	-35.83	49.03	23.11	0.2046
2687.50	-27.50	7.84	10.95	-35.89	49.00	21.50	0.1413
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2498.50	-24.19	7.50	10.80	-35.04	48.33	24.14	0.2594
2593.00	-23.75	7.67	10.87	-35.12	48.32	24.57	0.2864
2687.50	-25.04	7.84	10.95	-35.19	48.30	23.26	0.2118

LTE Band 41 Radiated Power EIRP for BW 5MHz / 16QAM							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2498.50	-28.91	7.50	10.80	-35.71	49.00	20.09	0.1021
2593.00	-28.68	7.67	10.87	-35.79	48.99	20.31	0.1074
2687.50	-29.65	7.84	10.95	-35.85	48.96	19.31	0.0853
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2498.50	-26.75	7.50	10.80	-35.06	48.35	21.6	0.1445
2593.00	-26.15	7.67	10.87	-35.13	48.33	22.18	0.1652
2687.50	-27.18	7.84	10.95	-35.17	48.28	21.1	0.1288

S.G. power = 10 (dBm)



LTE Band 41 Radiated Power EIRP for BW 10MHz / QPSK							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2501.00	-26.79	7.51	10.80	-35.73	49.02	22.23	0.1671
2593.00	-26.09	7.67	10.87	-35.74	48.94	22.85	0.1928
2685.00	-27.49	7.83	10.95	-35.79	48.90	21.41	0.1384
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2501.00	-24.81	7.51	10.80	-35.09	48.38	23.57	0.2275
2593.00	-23.63	7.67	10.87	-35.18	48.38	24.75	0.2985
2685.00	-25.14	7.83	10.95	-35.24	48.35	23.21	0.2094

LTE Band 41 Radiated Power EIRP for BW 10MHz / 16QAM							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2501.00	-29.28	7.51	10.80	-35.71	49.00	19.72	0.0938
2593.00	-28.84	7.67	10.87	-35.76	48.96	20.12	0.1028
2685.00	-29.50	7.83	10.95	-35.78	48.89	19.39	0.0869
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2501.00	-26.97	7.51	10.80	-35.13	48.42	21.45	0.1396
2593.00	-26.19	7.67	10.87	-35.17	48.37	22.18	0.1652
2685.00	-27.11	7.83	10.95	-35.23	48.34	21.23	0.1327

S.G. power = 10 (dBm)



LTE Band 41 Radiated Power EIRP for BW 15MHz / QPSK							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2503.50	-26.82	7.51	10.80	-35.68	48.97	22.15	0.1641
2593.00	-26.21	7.67	10.87	-35.74	48.94	22.73	0.1875
2682.50	-27.43	7.83	10.95	-35.77	48.89	21.46	0.1400
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2503.50	-24.64	7.51	10.80	-35.08	48.37	23.73	0.2360
2593.00	-23.90	7.67	10.87	-35.12	48.32	24.42	0.2767
2682.50	-25.22	7.83	10.95	-35.19	48.31	23.09	0.2037

LTE Band 41 Radiated Power EIRP for BW 15MHz / 16QAM							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2503.50	-29.02	7.51	10.80	-35.67	48.96	19.94	0.0986
2593.00	-28.55	7.67	10.87	-35.71	48.91	20.36	0.1086
2682.50	-29.28	7.83	10.95	-35.79	48.91	19.63	0.0918
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2503.50	-27.09	7.51	10.80	-35.04	48.33	21.24	0.1330
2593.00	-26.21	7.67	10.87	-35.11	48.31	22.1	0.1622
2682.50	-26.99	7.83	10.95	-35.14	48.26	21.27	0.1340

S.G. power = 10 (dBm)



LTE Band 41 Radiated Power EIRP for BW 20MHz / QPSK							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2506.00	-26.92	7.52	10.80	-35.62	48.91	21.99	0.1581
2593.00	-26.60	7.67	10.87	-35.69	48.89	22.29	0.1694
2680.00	-26.93	7.83	10.94	-35.74	48.86	21.93	0.1560
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2506.00	-24.92	7.52	10.80	-35.09	48.38	23.46	0.2218
2593.00	-24.42	7.67	10.87	-35.13	48.33	23.91	0.2460
2680.00	-24.85	7.83	10.94	-35.19	48.31	23.46	0.2218

LTE Band 41 Radiated Power EIRP for BW 20MHz / 16QAM							
Horizontal Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2506.00	-29.35	7.52	10.80	-35.63	48.92	19.57	0.0906
2593.00	-28.62	7.67	10.87	-35.66	48.86	20.24	0.1057
2680.00	-29.04	7.83	10.94	-35.71	48.83	19.79	0.0953
Vertical Polarization							
Frequency (MHz)	LVL (dBm)	Tx Cable Loss (dB)	Tx ANT Gain (dBi)	SA Reading (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)
2506.00	-27.32	7.52	10.80	-35.12	48.41	21.09	0.1285
2593.00	-26.52	7.67	10.87	-35.19	48.39	21.87	0.1538
2680.00	-26.91	7.83	10.94	-35.23	48.35	21.44	0.1393

S.G. power = 10 (dBm)



## **Appendix C. Original Report**

Please refer to Sporton report number FG620325B and FG620325-03B as below.



# 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	23.11	22.94	23.26
20	1	49		22.63	22.87	22.85
20	1	99		22.72	22.93	22.61
20	50	0		21.96	21.99	22.00
20	50	24		21.90	21.98	21.97
20	50	50		21.87	21.98	21.99
20	100	0		21.96	21.96	21.97
20	1	0	16-QAM	21.78	21.83	21.85
20	1	49		21.63	21.71	21.78
20	1	99		21.61	21.71	21.77
20	50	0		20.97	21.01	21.06
20	50	24		20.73	21.01	21.06
20	50	50		20.86	21.01	20.84
20	100	0		20.95	20.92	20.96
15	1	0	QPSK	22.91	22.81	22.90
15	1	37		23.09	22.97	23.15
15	1	74		22.77	22.97	22.89
15	36	0		21.98	21.96	21.98
15	36	20		21.94	21.97	22.00
15	36	39		21.90	21.98	22.01
15	75	0		21.96	21.97	21.95
15	1	0	16-QAM	21.75	21.74	21.80
15	1	37		21.74	21.70	21.69
15	1	74		21.56	21.69	21.78
15	36	0		20.87	20.94	21.00
15	36	20		20.91	20.98	21.08
15	36	39		20.87	20.99	20.90
15	75	0		20.99	20.98	21.02



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.85	22.81	22.94
10	1	25		23.13	23.09	23.14
10	1	49		22.83	22.81	22.68
10	25	0		21.93	21.96	22.02
10	25	12		21.98	21.95	22.07
10	25	25		21.96	21.99	22.06
10	50	0		21.88	21.98	22.02
10	1	0	16-QAM	21.70	21.71	21.78
10	1	25		21.63	21.70	21.79
10	1	49		21.56	21.73	21.83
10	25	0		20.94	21.01	21.12
10	25	12		21.02	21.02	21.06
10	25	25		20.95	21.00	21.02
10	50	0		20.98	21.01	20.99
5	1	0	QPSK	22.78	22.57	22.68
5	1	12		23.09	23.10	23.19
5	1	24		22.49	22.54	22.73
5	12	0		21.99	22.02	22.07
5	12	7		22.02	22.02	22.08
5	12	13		21.96	22.01	22.01
5	25	0		21.95	21.95	22.02
5	1	0	16-QAM	21.65	21.65	21.76
5	1	12		21.60	21.58	21.78
5	1	24		21.63	21.70	21.74
5	12	0		20.90	20.95	20.97
5	12	7		21.03	20.93	21.21
5	12	13		20.96	21.14	21.24
5	25	0		20.94	20.87	21.10



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.72	22.74	22.96
3	1	8		23.04	22.96	23.19
3	1	14		22.78	22.61	22.89
3	8	0		21.90	21.93	22.19
3	8	4		21.83	21.96	22.07
3	8	7		21.90	22.01	22.13
3	15	0		21.90	21.99	22.08
3	1	0	16-QAM	21.78	21.83	21.89
3	1	8		21.53	21.69	21.77
3	1	14		21.70	21.79	21.88
3	8	0		20.88	20.97	21.19
3	8	4		20.97	21.20	21.19
3	8	7		21.00	20.96	21.19
3	15	0		20.90	20.95	21.11
1.4	1	0	QPSK	22.54	22.83	22.93
1.4	1	3		22.78	22.84	22.98
1.4	1	5		22.59	22.77	22.88
1.4	3	0		22.68	22.93	23.00
1.4	3	1		22.95	22.98	23.08
1.4	3	3		23.04	22.82	22.96
1.4	6	0		21.82	21.92	22.01
1.4	1	0	16-QAM	21.63	21.73	21.81
1.4	1	3		21.64	21.64	21.76
1.4	1	5		21.63	21.70	21.85
1.4	3	0		21.82	21.97	22.04
1.4	3	1		21.85	21.93	22.00
1.4	3	3		21.92	22.02	22.15
1.4	6	0		20.80	20.86	21.04



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.30	23.41	23.57
20	1	49		22.74	23.05	23.13
20	1	99		23.05	23.19	22.97
20	50	0		22.12	22.20	22.27
20	50	24		22.10	22.19	22.24
20	50	50		22.11	22.18	22.25
20	100	0		22.12	22.21	22.31
20	1	0	16-QAM	21.86	21.90	22.14
20	1	49		21.87	21.93	22.01
20	1	99		21.67	21.91	21.95
20	50	0		21.03	21.12	21.32
20	50	24		21.10	21.23	21.31
20	50	50		21.10	21.18	21.25
20	100	0		21.14	21.21	21.17
15	1	0	QPSK	23.07	23.19	23.14
15	1	37		23.30	23.36	23.45
15	1	74		23.10	23.21	23.14
15	36	0		22.08	22.21	22.27
15	36	20		22.13	22.24	22.30
15	36	39		22.10	22.20	22.31
15	75	0		22.07	22.21	22.28
15	1	0	16-QAM	21.95	21.96	22.03
15	1	37		21.81	21.90	21.65
15	1	74		21.83	21.91	22.21
15	36	0		21.07	21.32	21.23
15	36	20		21.04	21.15	21.26
15	36	39		21.08	21.16	21.25
15	75	0		21.16	21.15	21.27



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.03	23.11	23.05
10	1	25		23.35	23.36	23.52
10	1	49		23.16	23.01	22.98
10	25	0		22.10	22.16	22.27
10	25	12		22.07	22.20	22.32
10	25	25		22.08	22.23	22.34
10	50	0		22.07	22.22	22.29
10	1	0	16-QAM	21.87	22.00	22.04
10	1	25		21.79	21.91	22.00
10	1	49		21.78	21.91	22.17
10	25	0		21.30	21.45	21.26
10	25	12		21.08	21.22	21.29
10	25	25		21.03	21.27	21.31
10	50	0		21.04	21.06	21.24
5	1	0	QPSK	22.91	22.82	23.10
5	1	12		23.27	23.08	23.47
5	1	24		22.76	22.84	22.85
5	12	0		22.02	22.25	22.25
5	12	7		22.09	22.25	22.34
5	12	13		22.03	22.20	22.26
5	25	0		21.99	22.15	22.32
5	1	0	16-QAM	21.70	21.90	22.01
5	1	12		21.69	21.89	22.25
5	1	24		21.67	21.83	22.10
5	12	0		20.98	21.12	21.05
5	12	7		21.10	21.27	21.27
5	12	13		21.21	21.19	21.45
5	25	0		20.99	21.28	21.43



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.66	23.08	23.21
3	1	8		23.04	23.29	23.32
3	1	14		22.93	23.08	22.95
3	8	0		21.93	22.16	22.26
3	8	4		21.96	22.14	22.35
3	8	7		21.95	22.17	22.29
3	15	0		21.97	22.14	22.34
3	1	0	16-QAM	21.79	21.89	22.12
3	1	8		22.11	21.83	22.20
3	1	14		21.78	21.93	21.97
3	8	0		20.98	21.17	21.31
3	8	4		21.05	21.31	21.40
3	8	7		20.96	21.41	21.32
3	15	0		20.91	21.21	21.21
1.4	1	0	QPSK	22.84	23.12	23.21
1.4	1	3		22.98	23.17	23.24
1.4	1	5		22.96	23.06	23.08
1.4	3	0		22.91	23.08	23.43
1.4	3	1		22.91	23.35	23.26
1.4	3	3		23.00	23.15	23.22
1.4	6	0		21.95	22.11	22.17
1.4	1	0	16-QAM	21.75	21.96	22.09
1.4	1	3		21.75	21.91	22.04
1.4	1	5		21.75	21.97	22.11
1.4	3	0		21.94	22.15	22.24
1.4	3	1		21.96	22.19	22.24
1.4	3	3		22.24	22.23	22.27
1.4	6	0		21.00	21.15	21.18



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.86	23.23	22.89
10	1	25		22.73	22.90	22.88
10	1	49		22.73	22.71	22.45
10	25	0		22.04	22.08	22.01
10	25	12		21.96	22.00	21.90
10	25	25		21.98	22.04	21.87
10	50	0		22.02	22.03	21.88
10	1	0	16-QAM	21.83	22.06	21.81
10	1	25		21.64	21.76	21.69
10	1	49		21.64	21.68	21.52
10	25	0		21.06	21.07	20.95
10	25	12		21.19	21.05	20.87
10	25	25		20.93	21.01	20.98
10	50	0		20.86	20.92	20.92
5	1	0	QPSK	22.71	22.66	22.73
5	1	12		23.18	23.20	23.06
5	1	24		22.58	22.52	22.38
5	12	0		21.94	22.07	21.79
5	12	7		21.89	21.99	21.79
5	12	13		21.89	21.98	21.78
5	25	0		21.89	21.99	21.83
5	1	0	16-QAM	21.59	21.68	21.53
5	1	12		21.71	21.94	21.49
5	1	24		21.54	21.67	21.47
5	12	0		20.88	20.89	20.68
5	12	7		20.88	20.94	20.61
5	12	13		20.87	20.92	20.67
5	25	0		20.90	20.96	20.82



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.75	22.93	22.74
3	1	8		22.55	22.76	22.76
3	1	14		22.42	22.72	22.36
3	8	0		21.87	22.01	21.89
3	8	4		21.96	22.07	21.85
3	8	7		21.82	21.98	21.88
3	15	0		21.90	21.99	21.87
3	1	0	16-QAM	21.74	21.94	21.66
3	1	8		21.55	21.63	21.48
3	1	14		21.66	21.76	21.58
3	8	0		20.89	21.05	20.87
3	8	4		20.93	21.08	20.67
3	8	7		20.95	21.01	20.92
3	15	0		20.90	20.98	20.67
1.4	1	0	QPSK	22.71	22.92	22.75
1.4	1	3		22.76	22.86	22.69
1.4	1	5		22.64	22.92	22.69
1.4	3	0		22.95	22.98	22.88
1.4	3	1		23.00	23.05	22.92
1.4	3	3		22.83	23.04	22.85
1.4	6	0		21.84	21.96	21.73
1.4	1	0	16-QAM	21.65	21.76	21.58
1.4	1	3		21.76	21.86	21.69
1.4	1	5		21.60	21.71	21.38
1.4	3	0		21.86	21.86	21.79
1.4	3	1		21.91	21.92	21.84
1.4	3	3		21.87	22.20	21.72
1.4	6	0		20.83	20.83	20.75



LTE Band 13 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK		23.19	
10	1	25			22.98	
10	1	49			22.82	
10	25	0			22.24	
10	25	12			22.18	
10	25	25			22.23	
10	50	0			22.18	
10	1	0	16-QAM		21.90	
10	1	25			22.10	
10	1	49			21.80	
10	25	0			21.07	
10	25	12			21.15	
10	25	25			21.04	
10	50	0			21.06	
5	1	0	QPSK	23.12	23.06	23.11
5	1	12		23.12	23.16	23.14
5	1	24		22.77	22.81	23.15
5	12	0		22.20	22.20	22.19
5	12	7		22.22	22.20	22.27
5	12	13		22.11	22.16	22.11
5	25	0		22.20	22.21	22.22
5	1	0	16-QAM	21.89	21.90	21.87
5	1	12		21.76	21.83	21.77
5	1	24		21.75	21.83	21.71
5	12	0		21.18	21.22	21.18
5	12	7		21.17	20.88	21.13
5	12	13		20.89	21.01	21.01
5	25	0		21.04	21.10	21.02



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.16	23.24	23.21
15	1	37		22.76	22.92	22.73
15	1	74		22.83	22.73	22.84
15	36	0		21.99	22.02	22.00
15	36	18		21.98	21.95	21.93
15	36	37		21.94	22.01	21.94
15	75	0		21.93	21.98	21.95
15	1	0	16-QAM	21.72	21.79	21.75
15	1	37		21.72	21.68	21.65
15	1	74		21.68	21.68	21.62
15	36	0		20.92	21.07	20.91
15	36	18		20.95	20.91	20.90
15	36	37		20.98	20.90	21.02
15	75	0		20.95	20.91	20.96
10	1	0	QPSK	22.87	22.81	22.86
10	1	24		23.03	23.06	23.05
10	1	49		22.71	23.14	22.83
10	25	0		22.02	21.98	21.93
10	25	12		22.00	22.01	21.94
10	25	24		21.95	22.00	21.92
10	50	0		21.98	21.95	21.95
10	1	0	16-QAM	21.71	21.72	21.70
10	1	24		21.91	21.92	21.81
10	1	49		21.70	21.68	21.58
10	25	0		20.97	20.97	20.88
10	25	12		21.01	20.93	20.90
10	25	24		20.94	20.90	20.80
10	50	0		20.99	20.94	20.95



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	22.75	22.65	22.60
5	1	12		23.15	23.16	22.87
5	1	24		22.68	22.56	22.44
5	12	0		22.01	21.90	21.91
5	12	6		22.06	21.90	21.92
5	12	11		21.92	21.91	21.81
5	25	0		21.99	21.97	21.87
5	1	0	16-QAM	21.56	21.66	21.53
5	1	12		21.62	21.59	21.54
5	1	24		21.64	21.62	21.49
5	12	0		21.12	20.90	20.78
5	12	6		20.97	20.87	20.93
5	12	11		20.93	20.90	20.71
5	25	0		21.10	20.96	20.74
3	1	0	QPSK	22.85	23.05	22.78
3	1	7		22.77	23.06	22.75
3	1	14		22.81	22.70	22.39
3	8	0		22.02	22.05	21.92
3	8	4		21.96	21.93	21.90
3	8	7		22.02	21.91	21.88
3	15	0		21.96	21.97	21.92
3	1	0	16-QAM	21.73	21.83	21.69
3	1	7		21.62	21.62	21.53
3	1	14		21.78	21.70	21.65
3	8	0		21.08	20.97	20.88
3	8	4		21.20	20.96	20.94
3	8	7		21.09	21.05	20.98
3	15	0		20.97	21.00	20.69



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	22.90	22.90	22.73
1.4	1	2		22.98	22.84	22.68
1.4	1	5		22.70	22.75	22.76
1.4	3	0		23.07	23.08	23.07
1.4	3	1		23.03	23.05	22.96
1.4	3	2		22.99	23.02	22.89
1.4	6	0		21.98	21.91	21.88
1.4	1	0	16-QAM	22.04	21.72	21.58
1.4	1	2		22.12	21.85	21.77
1.4	1	5		21.71	21.60	21.57
1.4	3	0		22.07	22.07	22.02
1.4	3	1		22.10	22.32	21.83
1.4	3	2		22.19	22.20	21.85
1.4	6	0		20.86	20.81	20.68



LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.63	22.94	22.91
20	1	49		22.46	22.72	22.66
20	1	99		22.57	22.93	22.58
20	50	0		21.49	22.04	22.17
20	50	24		21.46	21.94	21.88
20	50	50		21.46	21.84	22.06
20	100	0		21.51	21.94	22.07
20	1	0	16-QAM	21.22	21.20	21.80
20	1	49		21.18	21.70	21.57
20	1	99		21.15	21.77	21.33
20	50	0		20.45	20.83	21.26
20	50	24		20.61	20.90	20.91
20	50	50		20.75	21.03	20.87
20	100	0		20.44	20.84	20.80
15	1	0	QPSK	22.39	22.71	22.68
15	1	37		22.78	23.11	23.04
15	1	74		22.53	22.97	22.56
15	36	0		21.48	21.90	21.85
15	36	20		21.74	21.89	21.88
15	36	39		21.50	22.03	21.80
15	75	0		21.52	21.90	21.86
15	1	0	16-QAM	21.33	21.64	21.56
15	1	37		21.44	21.78	21.48
15	1	74		21.34	21.56	21.35
15	36	0		20.41	20.77	20.87
15	36	20		20.48	20.89	20.84
15	36	39		20.49	20.89	20.78
15	75	0		20.53	20.86	20.87



LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.76	22.72	22.85
10	1	25		22.74	22.98	22.87
10	1	49		22.72	22.96	22.79
10	25	0		21.64	21.92	21.90
10	25	12		21.57	21.89	21.81
10	25	25		21.61	22.00	21.84
10	50	0		21.65	21.97	21.88
10	1	0	16-QAM	21.15	21.41	21.46
10	1	25		21.38	21.76	21.50
10	1	49		21.39	21.64	21.30
10	25	0		20.83	21.10	21.13
10	25	12		20.91	21.14	21.04
10	25	25		20.82	21.23	21.03
10	50	0		20.64	20.93	20.82
5	1	0	QPSK	22.60	22.74	22.62
5	1	12		22.79	22.98	22.80
5	1	24		22.60	22.68	22.58
5	12	0		21.53	21.91	21.79
5	12	7		21.86	21.96	21.77
5	12	13		21.78	21.93	21.79
5	25	0		21.56	21.92	21.83
5	1	0	16-QAM	21.07	21.67	21.21
5	1	12		21.55	21.86	21.62
5	1	24		21.07	21.76	21.19
5	12	0		20.73	20.75	20.80
5	12	7		20.64	21.23	20.76
5	12	13		20.61	20.98	20.86
5	25	0		20.84	21.07	21.07



## 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	4.72	4.84	5.77	6.12	PASS
Middle CH	4.72	5.04	5.86	6.12	
Highest CH	4.84	5.07	5.8	6.14	



LTE Band 2 / 20MHz / QPSK

Lowest Channel / 1RB



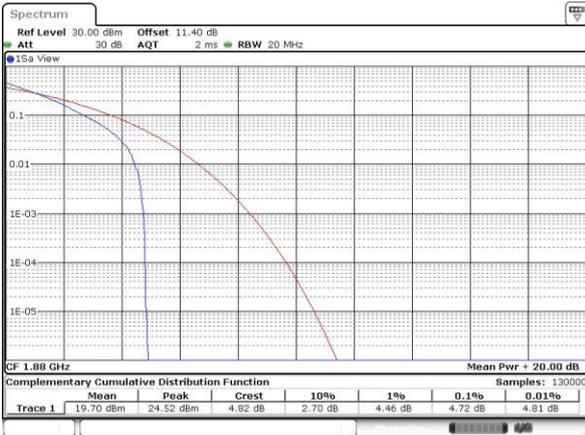
Date: 26 MAR 2016 18:03:36

Lowest Channel / Full RB



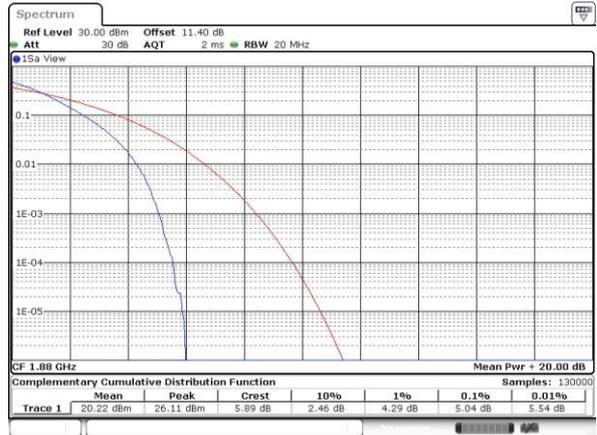
Date: 26 MAR 2016 18:04:02

Middle Channel / 1RB



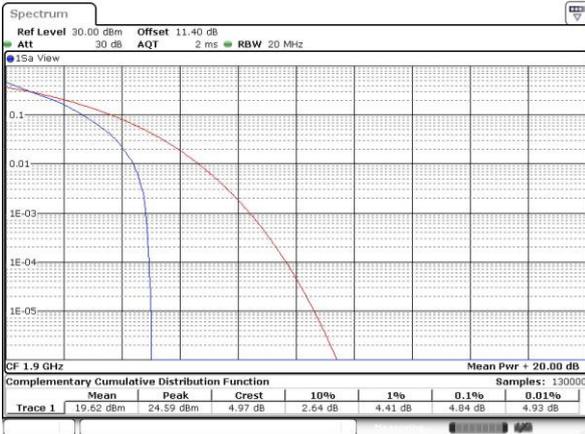
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Middle Channel / Full RB



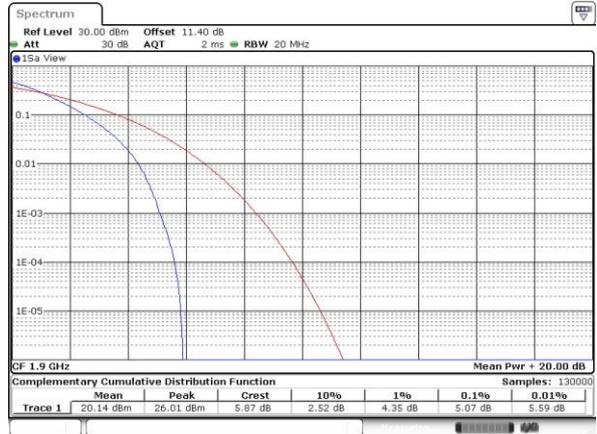
Date: 26 MAR 2016 18:04:25

Highest Channel / 1RB



Date: 26 MAR 2016 18:04:35

Highest Channel / Full RB



Date: 26 MAR 2016 18:04:45



LTE Band 2 / 20MHz / 16QAM

Lowest Channel / 1RB



Date: 26 MAR 2016 18:01:59

Lowest Channel / Full RB



Date: 26 MAR 2016 18:02:13

Middle Channel / 1RB



Date: 26 MAR 2016 18:02:31

Middle Channel / Full RB



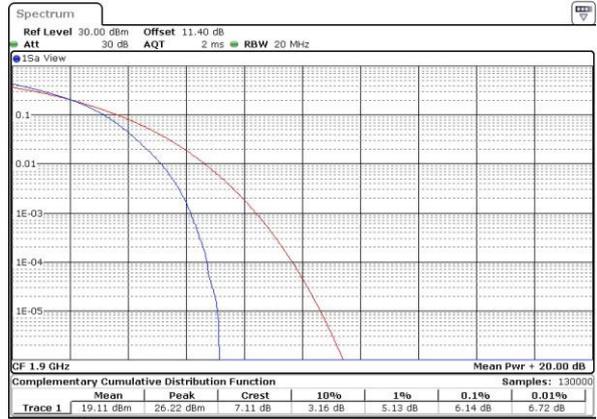
Date: 26 MAR 2016 18:02:49

Highest Channel / 1RB



Date: 26 MAR 2016 18:03:03

Highest Channel / Full RB



Date: 26 MAR 2016 18:03:15



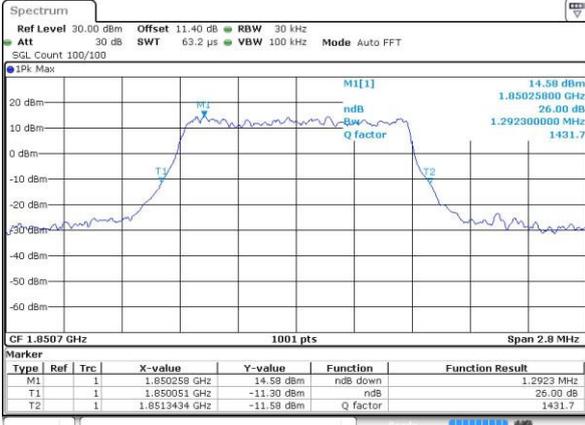
**26dB Bandwidth**

Mode	LTE Band 2 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.29	1.28	3.02	3	4.94	4.86	9.69	9.73	14.12	14.36	19.98	20.26
Middle CH	1.26	1.3	2.97	2.98	4.92	4.91	9.77	9.97	14.3	14.48	20.22	20.18
Highest CH	1.28	1.26	3.01	2.98	4.9	4.95	9.83	9.87	14.42	14.51	20.14	20.1



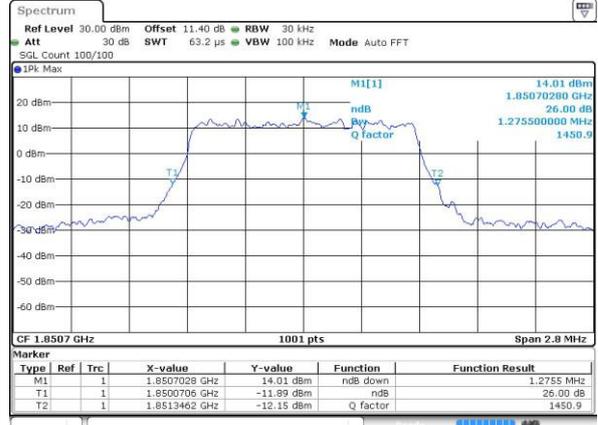
LTE Band 2

Lowest Channel / 1.4MHz / QPSK



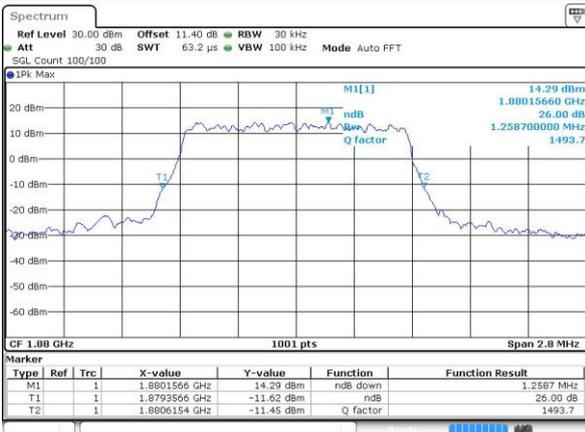
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Lowest Channel / 1.4MHz / 16QAM



Date: 26 MAR 2016 17:44:29

Middle Channel / 1.4MHz / QPSK



Date: 26 MAR 2016 17:51:28

Middle Channel / 1.4MHz / 16QAM



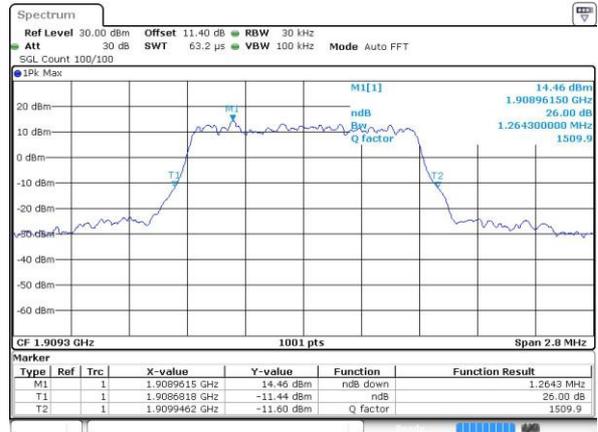
Date: 26 MAR 2016 17:51:38

Highest Channel / 1.4MHz / QPSK



Date: 26 MAR 2016 17:53:59

Highest Channel / 1.4MHz / 16QAM

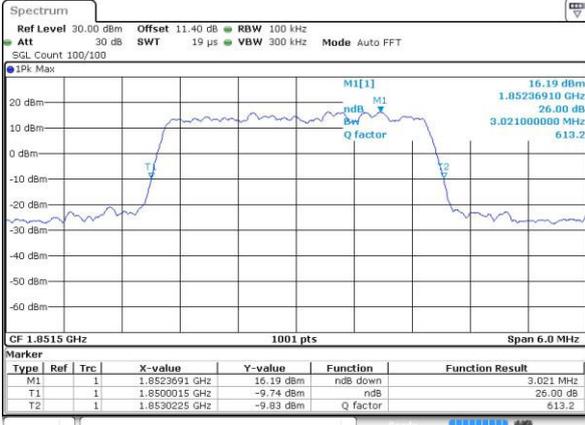


Date: 26 MAR 2016 17:54:10



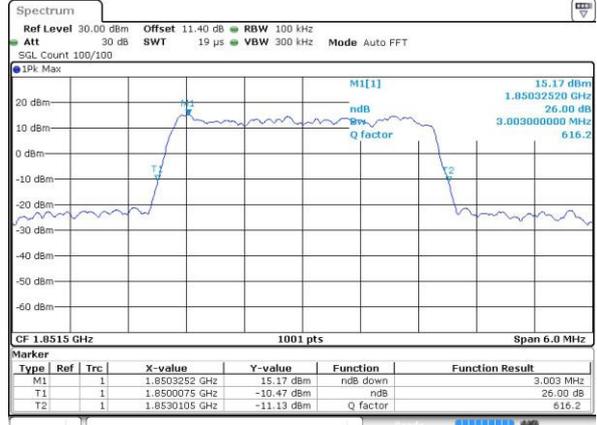
LTE Band 2

Lowest Channel / 3MHz / QPSK



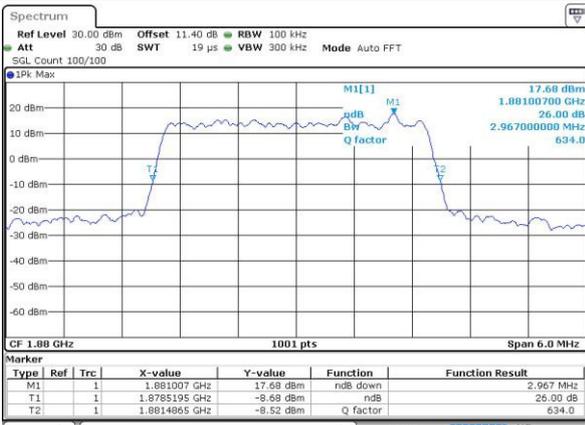
Date: 26 MAR 2016 16:20:14

Lowest Channel / 3MHz / 16QAM



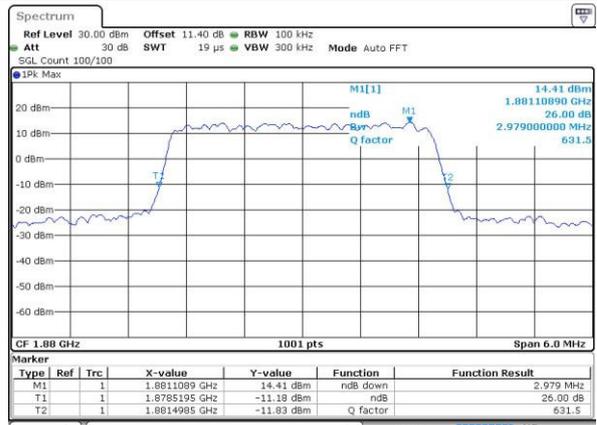
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Middle Channel / 3MHz / QPSK



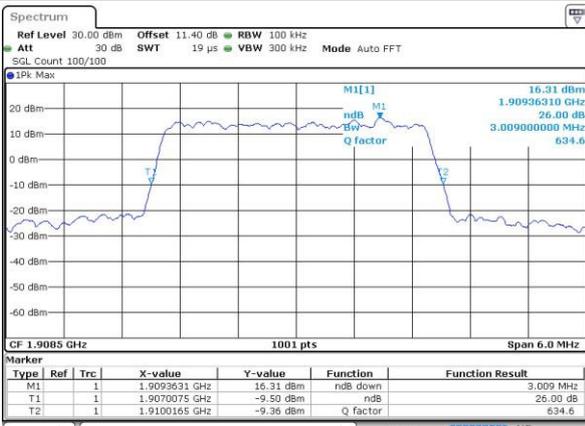
Date: 26 MAR 2016 16:27:23

Middle Channel / 3MHz / 16QAM



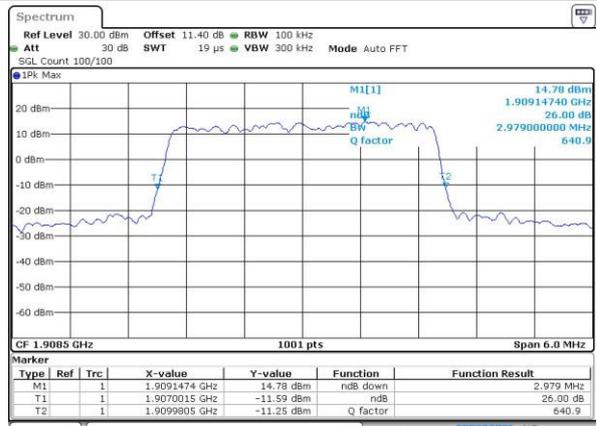
Date: 26 MAR 2016 16:27:33

Highest Channel / 3MHz / QPSK



Date: 26 MAR 2016 16:29:54

Highest Channel / 3MHz / 16QAM

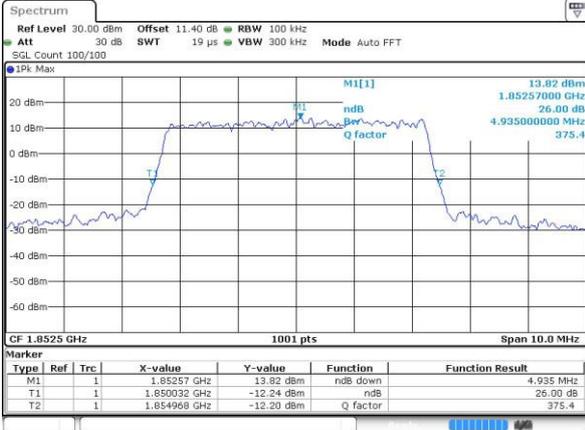


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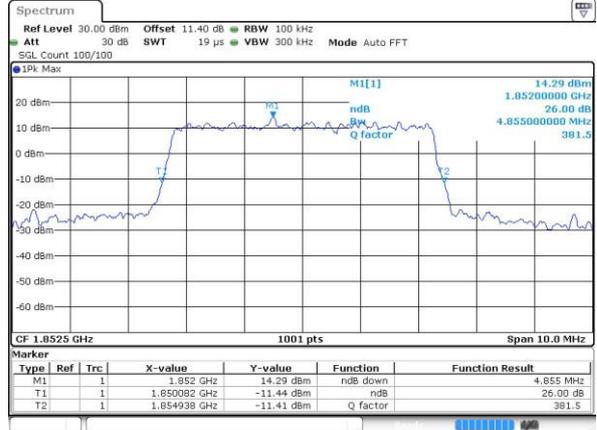
LTE Band 2

Lowest Channel / 5MHz / QPSK



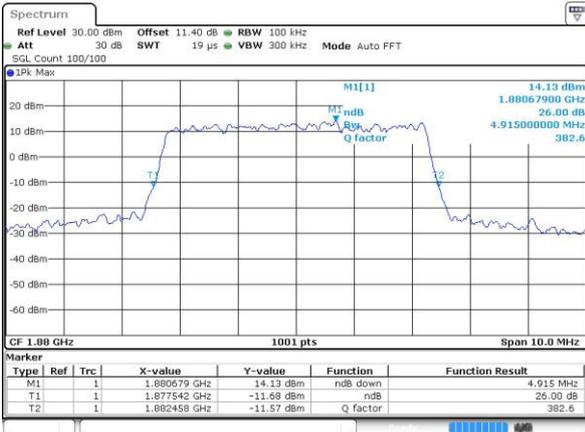
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Lowest Channel / 5MHz / 16QAM



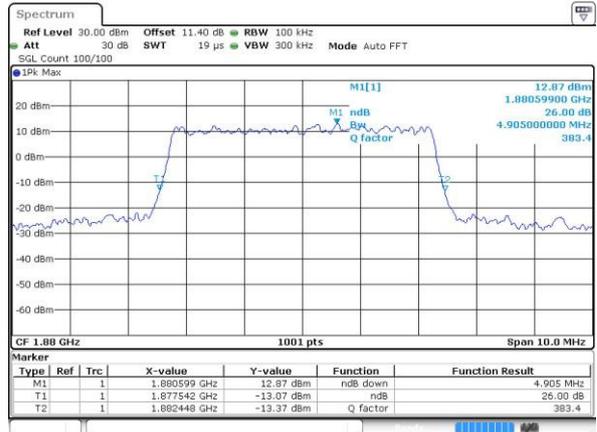
Date: 26 MAR 2016 16:37:14

Middle Channel / 5MHz / QPSK



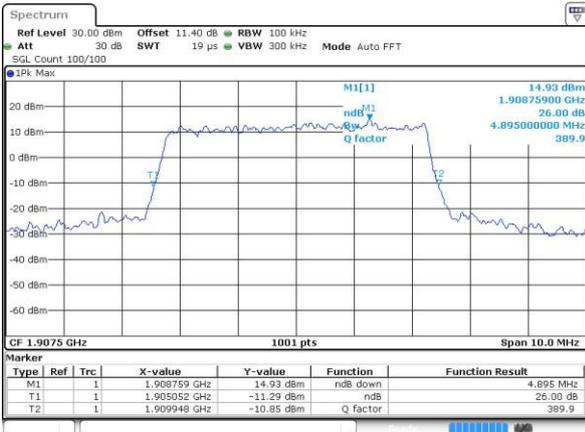
Date: 26 MAR 2016 16:44:12

Middle Channel / 5MHz / 16QAM



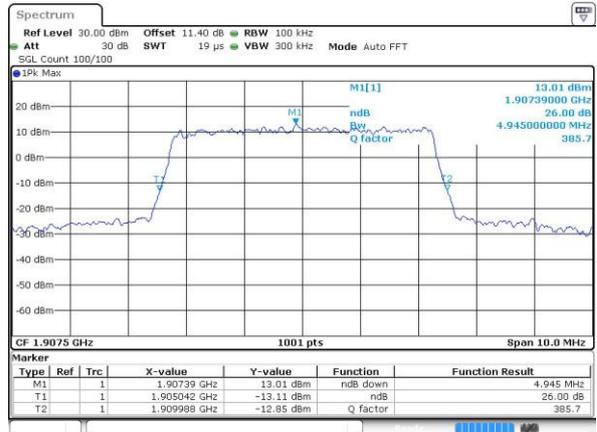
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Highest Channel / 5MHz / QPSK



Date: 26 MAR 2016 16:46:44

Highest Channel / 5MHz / 16QAM

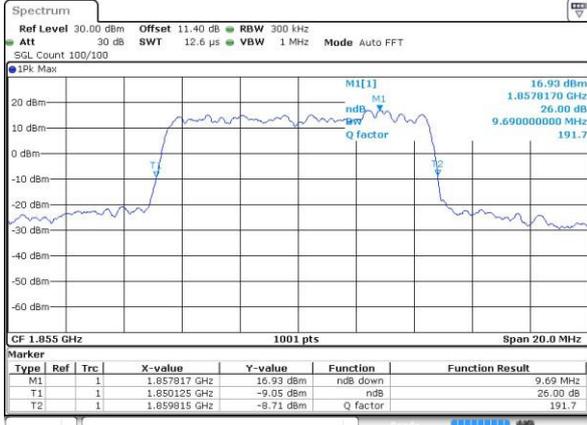


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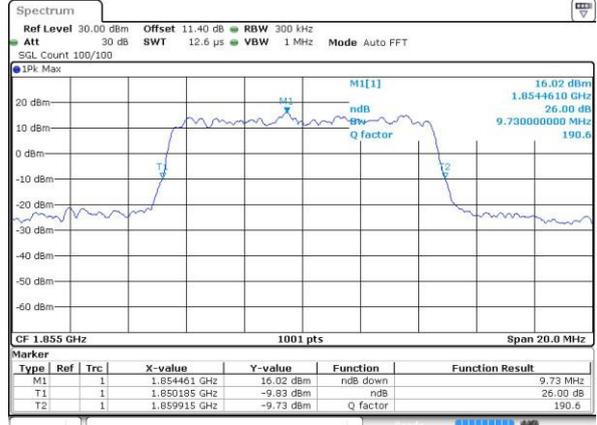
LTE Band 2

Lowest Channel / 10MHz / QPSK



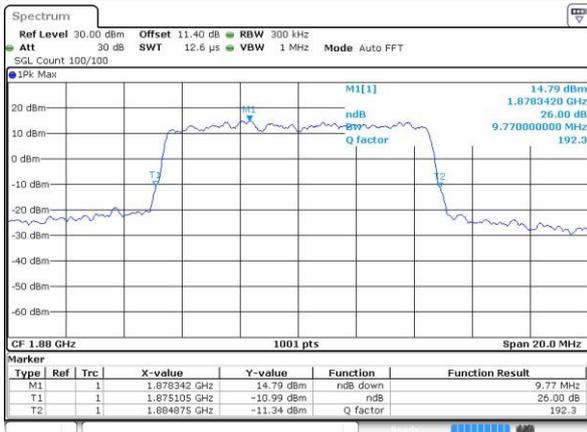
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Lowest Channel / 10MHz / 16QAM



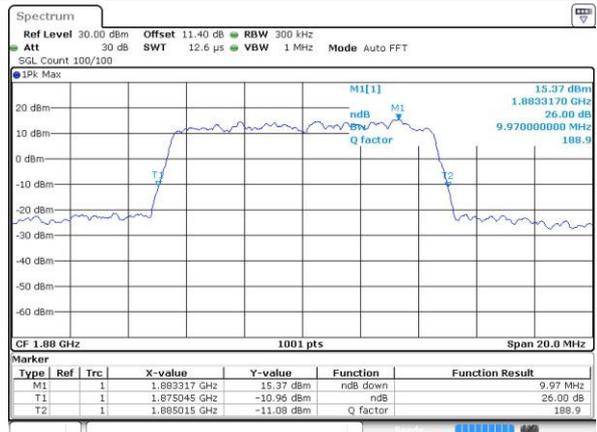
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Middle Channel / 10MHz / QPSK



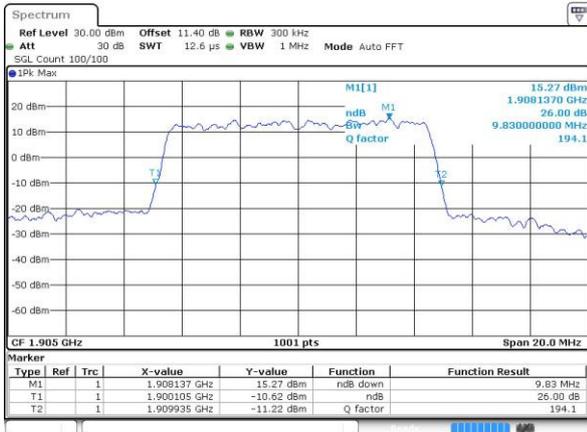
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Middle Channel / 10MHz / 16QAM



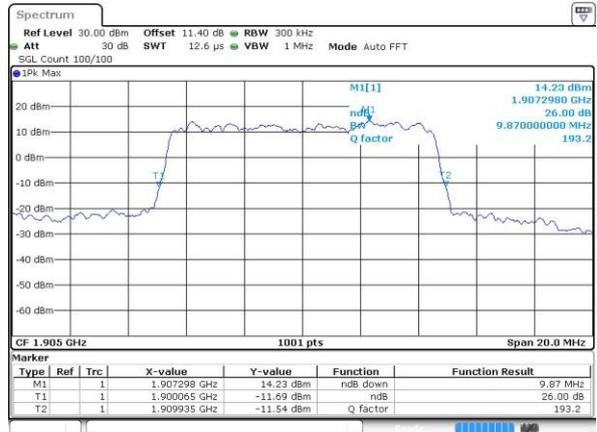
Date: 26 MAR 2016 17:01:12

Highest Channel / 10MHz / QPSK



Date: 26 MAR 2016 17:03:33

Highest Channel / 10MHz / 16QAM

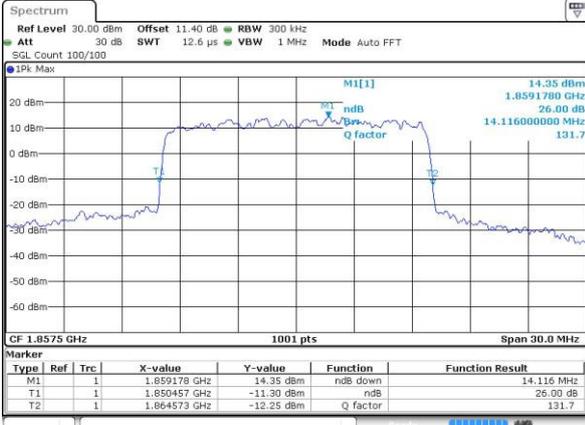


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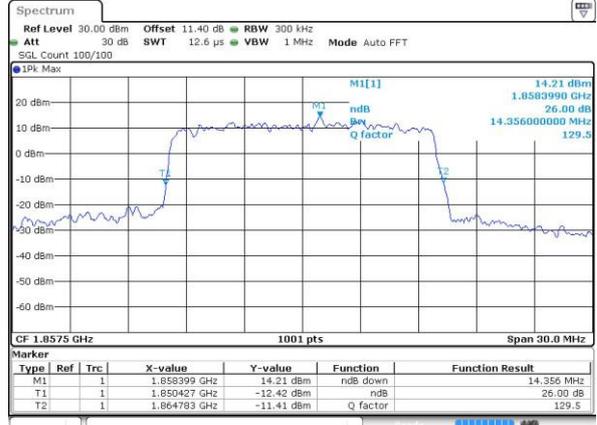
LTE Band 2

Lowest Channel / 15MHz / QPSK



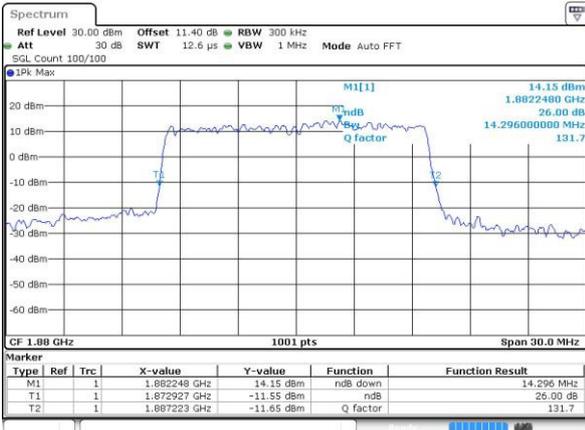
Date: 26 MAR 2016 17:10:42

Lowest Channel / 15MHz / 16QAM



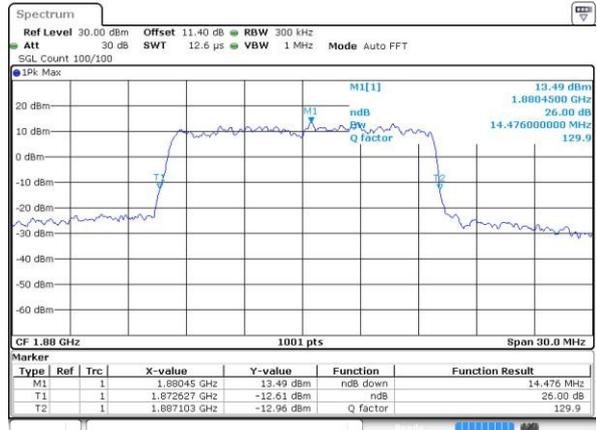
Date: 26 MAR 2016 17:10:52

Middle Channel / 15MHz / QPSK



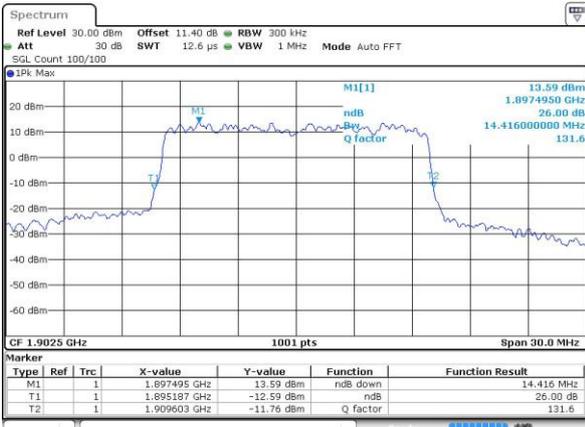
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Middle Channel / 15MHz / 16QAM



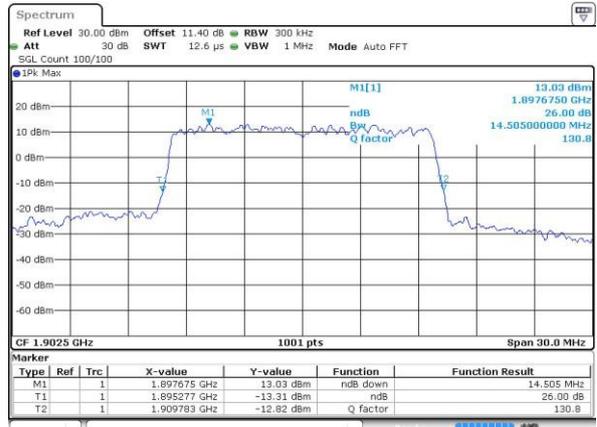
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Highest Channel / 15MHz / QPSK



Date: 26 MAR 2016 17:20:22

Highest Channel / 15MHz / 16QAM

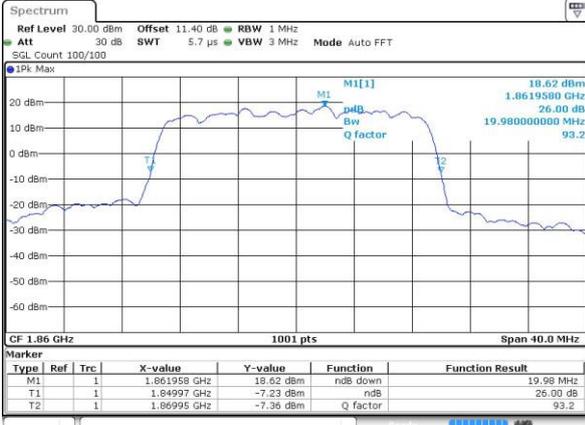


Date: 26 MAR 2016 17:20:32



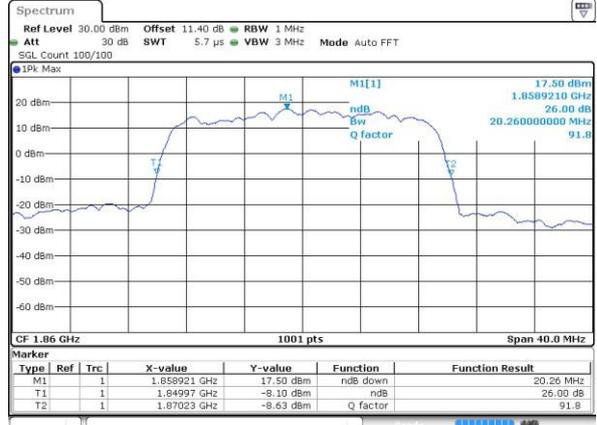
LTE Band 2

Lowest Channel / 20MHz / QPSK



Date: 26 MAR 2016 17:27:30

Lowest Channel / 20MHz / 16QAM



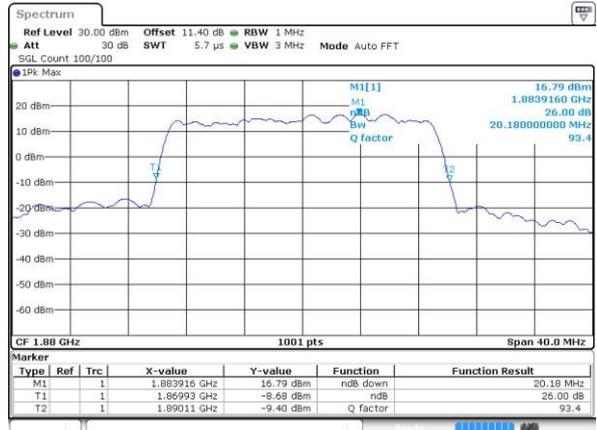
Date: 26 MAR 2016 17:27:41

Middle Channel / 20MHz / QPSK



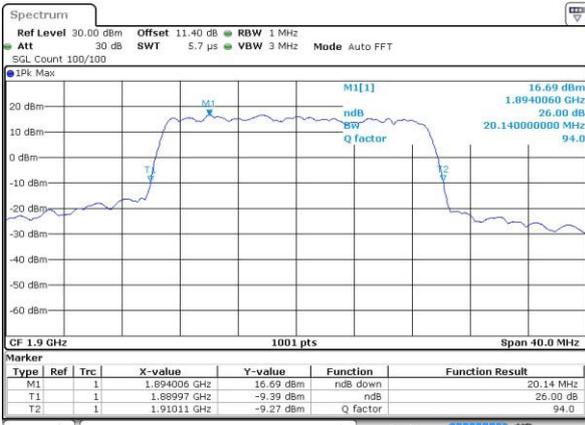
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Middle Channel / 20MHz / 16QAM



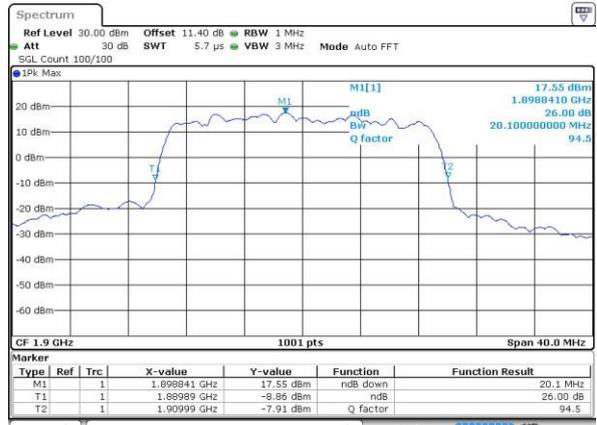
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Highest Channel / 20MHz / QPSK



Date: 26 MAR 2016 17:37:10

Highest Channel / 20MHz / 16QAM



Date: 26 MAR 2016 17:37:21



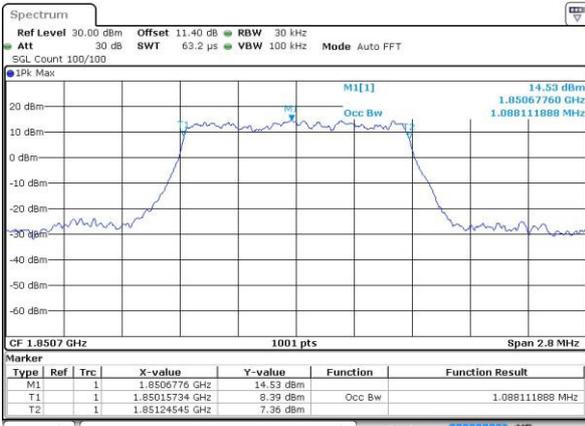
### Occupied Bandwidth

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	1.09	1.08	2.7	2.71	4.49	4.49	9.05	9.05	13.4	13.34	18.26	18.26
Middle CH	1.09	1.09	2.73	2.72	4.48	4.5	9.01	9.07	13.43	13.46	18.34	18.3
Highest CH	1.09	1.09	2.72	2.72	4.5	4.5	9.03	9.07	13.43	13.46	18.3	18.34



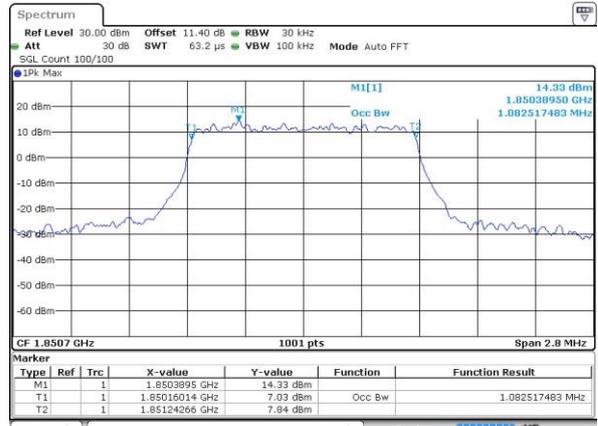
LTE Band 2

Lowest Channel / 1.4MHz / QPSK



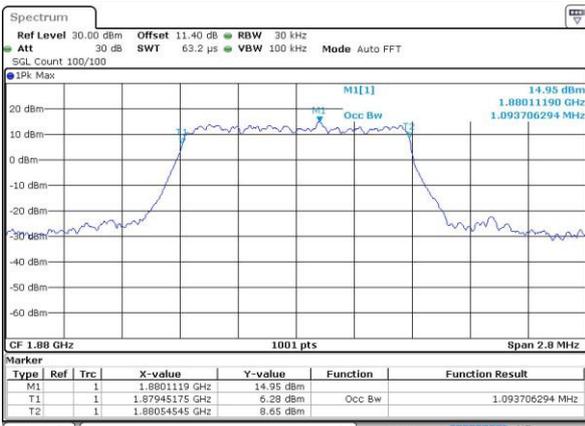
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Lowest Channel / 1.4MHz / 16QAM



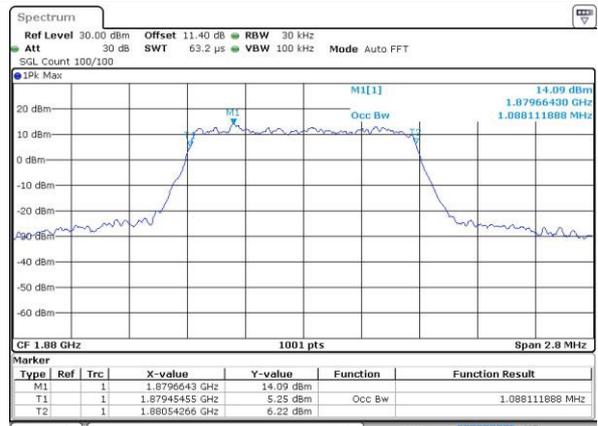
Date: 26 MAR 2016 17:44:08

Middle Channel / 1.4MHz / QPSK



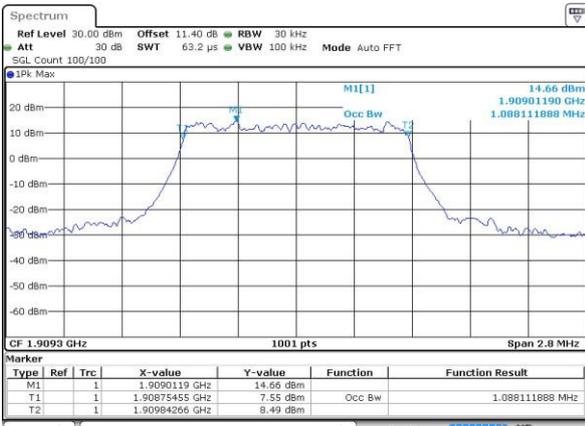
Date: 26 MAR 2016 17:51:07

Middle Channel / 1.4MHz / 16QAM



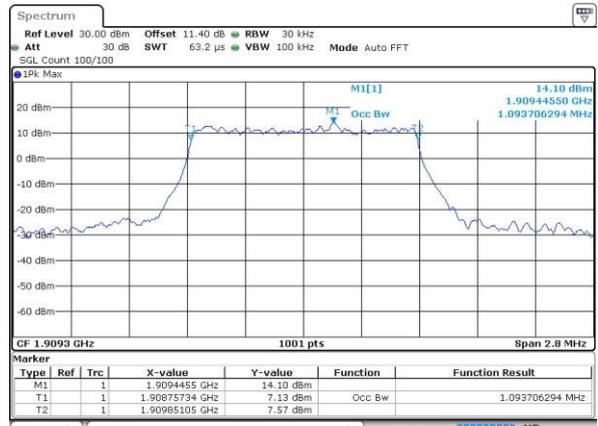
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Highest Channel / 1.4MHz / QPSK



Date: 26 MAR 2016 17:53:38

Highest Channel / 1.4MHz / 16QAM

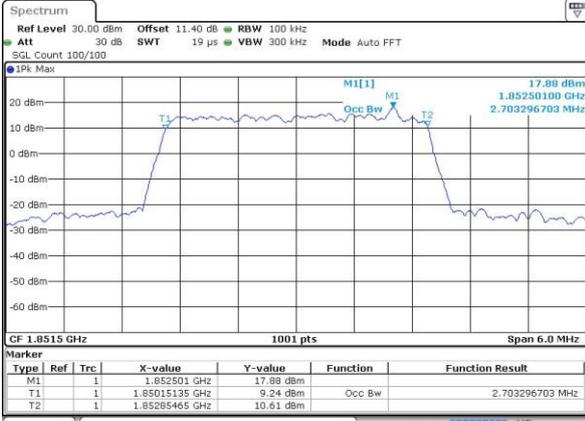


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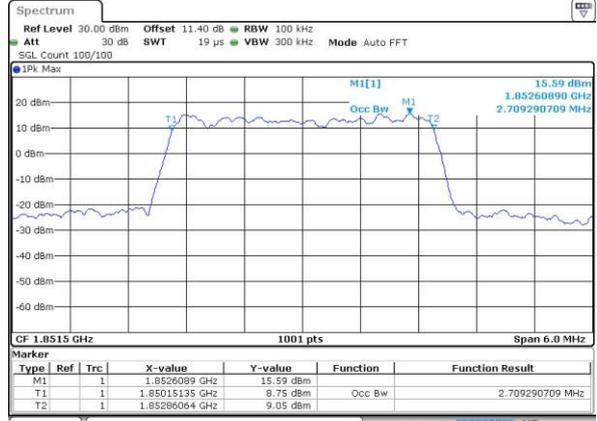
LTE Band 2

Lowest Channel / 3MHz / QPSK



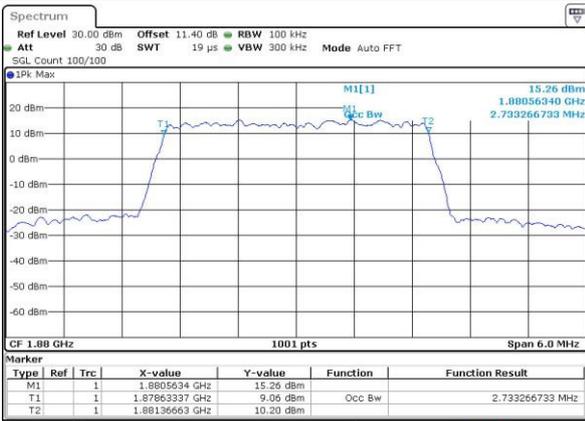
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Lowest Channel / 3MHz / 16QAM



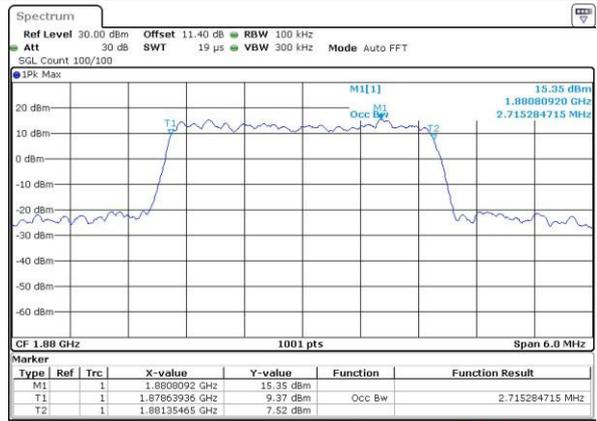
Date: 26 MAR 2016 16:20:03

Middle Channel / 3MHz / QPSK



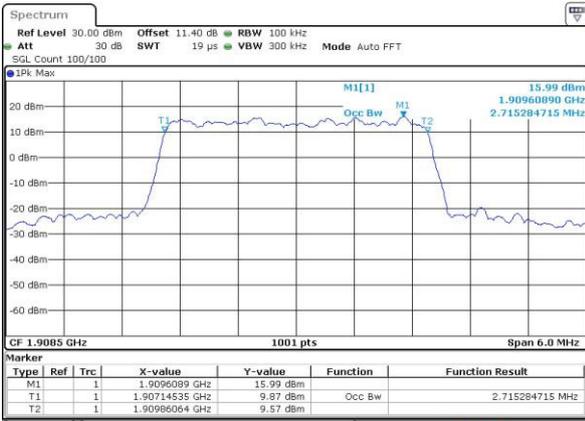
Date: 26 MAR 2016 16:27:02

Middle Channel / 3MHz / 16QAM



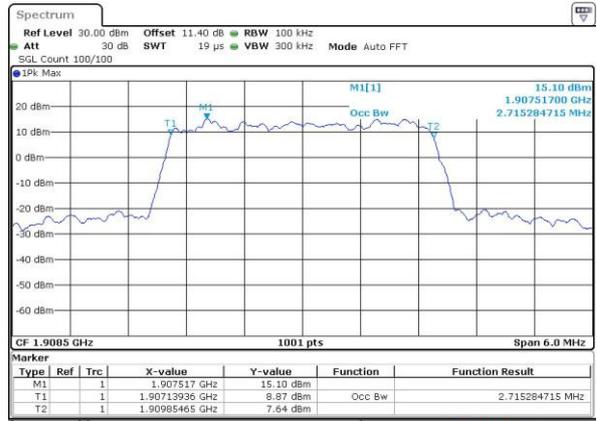
Date: 26 MAR 2016 16:27:12

Highest Channel / 3MHz / QPSK



Date: 26 MAR 2016 16:29:33

Highest Channel / 3MHz / 16QAM

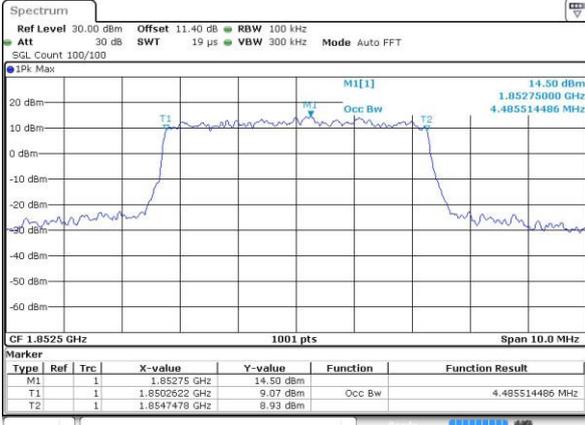


Date: 26 MAR 2016 16:29:44



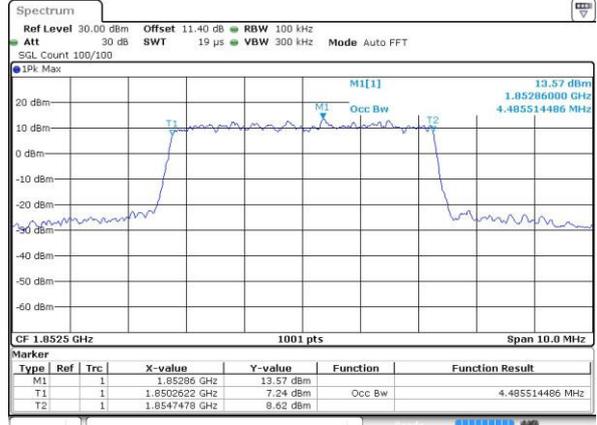
LTE Band 2

Lowest Channel / 5MHz / QPSK



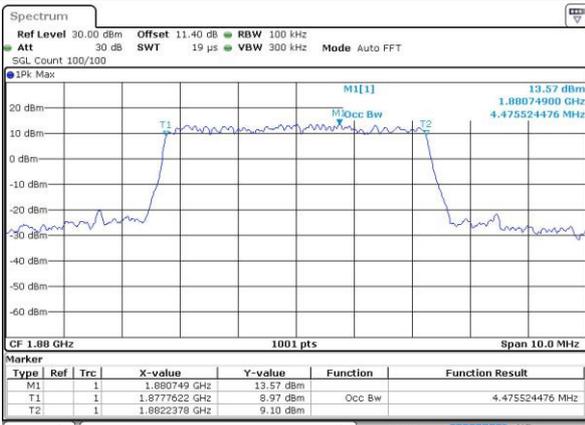
Date: 26 MAR 2016 16:36:42

Lowest Channel / 5MHz / 16QAM



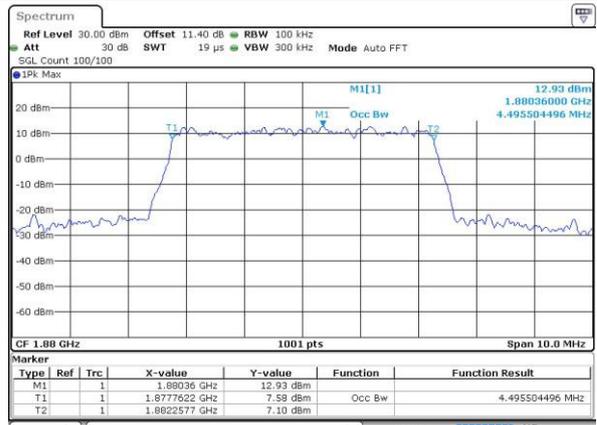
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Middle Channel / 5MHz / QPSK



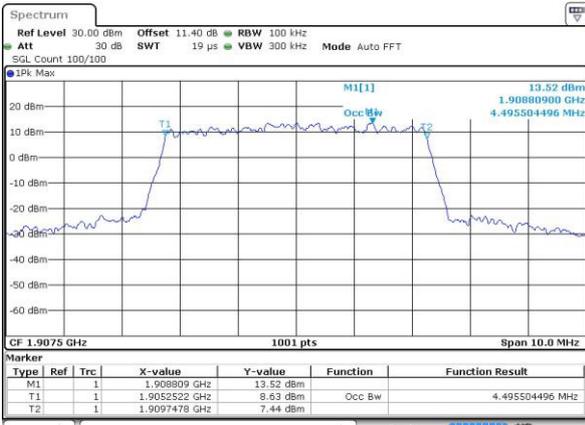
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Middle Channel / 5MHz / 16QAM



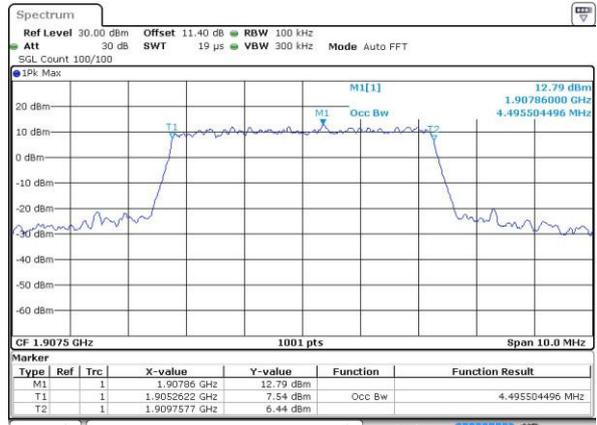
Date: 26 MAR 2016 16:44:02

Highest Channel / 5MHz / QPSK



Date: 26 MAR 2016 16:46:23

Highest Channel / 5MHz / 16QAM



Date: 26 MAR 2016 16:46:34