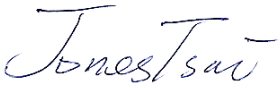
FCC RF Test Report

APPLICANT	: Motorola Mobility, LLC
EQUIPMENT	: Mobile Cellular Phone
BRAND NAME	: Motorola Mobility, LLC
MODEL NAME	: 3606
FCC ID	: IHDT56QA3
STANDARD	: 47 CFR Part 2, 22(H), 24(E), 27
CLASSIFICATION	: PCS Licensed Transmitter Held to Ear (PCE)

The product was received on May 30, 2014 and testing was completed on Jul. 17, 2014. 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-C-2004 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

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG453017B	Rev. 01	Initial issue of report	Jul. 25, 2014
FG453017B	Rev. 02	Added reference test procedure and revised the limit of frequency stability.	Aug. 08, 2014

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	§2.1046	Conducted Output Power	Reporting Only	PASS	-
3.2	§24.232(d) §27.50(d)(5)	Peak-to-Average Ratio	<13 dB	PASS	-
3.3	§22.913(a)(2)	Effective Radiated Power (Band 5) (Band 26)	ERP < 7 Watt	PASS	-
	§27.50(c)(10)	Effective Radiated Power (Band 12) (Band 17)	ERP < 3 Watt		
	§24.232(c) §27.50(h)(2)	Equivalent Isotropic Radiated Power (Band 2)(Band 25) (Band 41)	EIRP < 2Watt		
	§27.50(d)(4)	Equivalent Isotropic Radiated Power (Band 4)	EIRP < 1Watt		
3.4	§2.1049 §22.917(b) §24.238(b) §27.53(g)(3) §27.53(m)(6)	Occupied Bandwidth	Reporting Only	PASS	-
3.5	§2.1051 §22.917(a) §24.238(a) §27.53(g) §27.53(h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 12) (Band 17) (Band 25) (Band 26)	< 43+10log10(P[Watt])	PASS	-
	§27.53(m)(4)	Conducted Band Edge Measurement (Band 41)	< 43+10log10(P[Watt]) and < 55+10log10(P[Watts])		

Report Section	FCC Rule	Description	Limit	Result	Remark
3.6	§2.1051 §22.917(a) §24.238(a) §27.53(g) §27.53(h)	Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 17) (Band 25) (Band 26)	< 43+10log$_{10}$(P[Watts])	PASS	-
	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (Band 41)	< 43+10log10(P[Watt]) and < 55+10log10(P[Watts])	PASS	
3.7	§2.1053 §22.917(a) §24.238(a) §27.53(g) §27.53(h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 17) (Band 25) (Band 26)	< 43+10log$_{10}$(P[Watts])	PASS	Under limit 14.85 dB at 10064.000 MHz
	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (Band 41)	< 43+10log10(P[Watt]) and < 55+10log10(P[Watts])	PASS	
3.8	§2.1055 §22.355 §24.235 §27.54	Frequency Stability Temperature & Voltage	< 2.5 ppm for Part 22.355 Emission must remain In-band for 24.235 and 27.54	PASS	-

1 General Description

1.1 Applicant

Motorola Mobility, LLC
222 W Merchandise Mart Plaza, Suite 1800, Chicago, IL 60654, United States

1.2 Manufacturer

Motorola Mobility, LLC
222 W Merchandise Mart Plaza, Suite 1800, Chicago, IL 60654, United States

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola Mobility, LLC
Model Name	3606
FCC ID	IHDT56QA3
IMEI Code	990004980031375
EUT supports Radios application	GSM/EGPRS/CDMA/EV-DO/WCDMA/HSPA/LTE/NFC WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth v3.0 + EDR Bluetooth v4.0 - LE
HW Version	P2
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

Accessory List	
AC Adapter	Brand Name : Motorola
	Model Name : SPN5788A
Earphone	Brand Name : Motorola
	Model Name : SJYN1305A

1.4 Product Specification subjective to this standard

Product Specification subjective to this standard	
Tx Frequency	LTE Band 2 : 1850.7 MHz ~ 1909.3 MHz LTE Band 4 : 1710.7 MHz ~ 1754.3 MHz LTE Band 5 : 824.7 MHz ~ 848.3 MHz LTE Band 12 : 699 MHz ~ 716 MHz LTE Band 17 : 706.5 MHz ~ 713.5 MHz LTE Band 25 : 1850.7MHz ~ 1914.3 MHz LTE Band 26 : 824.7MHz ~ 848.3 MHz LTE Band 41 : 2498.5MHz ~ 2687.5 MHz
Rx Frequency	LTE Band 2 : 1930.7 MHz ~ 1989.3 MHz LTE Band 4 : 2110.7 MHz ~ 2154.3 MHz LTE Band 5 : 869.7 MHz ~ 893.3 MHz LTE Band 12 : 729 MHz ~ 746 MHz LTE Band 17 : 736.5 MHz ~ 743.5 MHz LTE Band 25 : 1930.7MHz ~ 1994.3 MHz LTE Band 26 : 869.7MHz ~ 893.3 MHz LTE Band 41 : 2498.5MHz ~ 2687.5 MHz
Bandwidth	LTE Band 2 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 5 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 12 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 17 : 5MHz / 10MHz LTE Band 25 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 26 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz LTE Band 41 : 5MHz/ 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	LTE Band 2 : 23.41 dBm LTE Band 4 : 23.56 dBm LTE Band 5 : 22.98 dBm LTE Band 12 : 22.93 dBm LTE Band 17 : 22.98 dBm LTE Band 25 : 23.51 dBm LTE Band 26 : 22.97 dBm LTE Band 41 : 23.31 dBm
Antenna Type	Fixed Internal Antenna
Type of Modulation	QPSK / 16QAM

1.5 Modification of EUT

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

1.6 Maximum ERP/EIRP Power, Frequency Tolerance, and Emission Designator

FCC Rule	System	Type of Modulation	BW	Emission Designator	Frequency Tolerance (ppm)	Maximum ERP/EIRP
Part 22	LTE Band 5	QPSK	1.4 MHz	1M10G7D	-	0.11 W
Part 22	LTE Band 5	16QAM	1.4 MHz	1M10W7D	-	0.05 W
Part 22	LTE Band 5	QPSK	3 MHz	2M72G7D	-	0.10 W
Part 22	LTE Band 5	16QAM	3 MHz	2M72W7D	-	0.06 W
Part 22	LTE Band 5	QPSK	5 MHz	4M49G7D	-	0.10 W
Part 22	LTE Band 5	16QAM	5 MHz	4M49W7D	-	0.06 W
Part 22	LTE Band 5	QPSK	10 MHz	9M10G7D	0.008 ppm	0.10 W
Part 22	LTE Band 5	16QAM	10 MHz	9M08W7D	-	0.05 W
Part 22	LTE Band 26	QPSK	1.4 MHz	1M10G7D	-	0.12 W
Part 22	LTE Band 26	16QAM	1.4 MHz	1M10W7D	-	0.06 W
Part 22	LTE Band 26	QPSK	3 MHz	2M72G7D	-	0.12 W
Part 22	LTE Band 26	16QAM	3 MHz	2M72W7D	-	0.06 W
Part 22	LTE Band 26	QPSK	5 MHz	4M49G7D	-	0.11 W
Part 22	LTE Band 26	16QAM	5 MHz	4M50W7D	-	0.06 W
Part 22	LTE Band 26	QPSK	10 MHz	9M12G7D	0.008 ppm	0.10 W
Part 22	LTE Band 26	16QAM	10 MHz	9M08W7D	-	0.06 W
Part 22	LTE Band 26	QPSK	15 MHz	13M5G7D	-	0.10 W
Part 22	LTE Band 26	16QAM	15 MHz	13M5W7D	-	0.06 W

FCC Rule	System	Type of Modulation	BW	Emission Designator	Frequency Tolerance (ppm)	Maximum ERP/EIRP
Part 24	LTE Band 2	QPSK	1.4 MHz	1M10G7D	-	0.35 W
Part 24	LTE Band 2	16QAM	1.4 MHz	1M10W7D	-	0.31 W
Part 24	LTE Band 2	QPSK	3 MHz	2M73G7D	-	0.34 W
Part 24	LTE Band 2	16QAM	3 MHz	2M73W7D	-	0.33 W
Part 24	LTE Band 2	QPSK	5 MHz	4M50G7D	-	0.37 W
Part 24	LTE Band 2	16QAM	5 MHz	4M49W7D	-	0.30 W
Part 24	LTE Band 2	QPSK	10 MHz	9M08G7D	0.004 ppm	0.32 W
Part 24	LTE Band 2	16QAM	10 MHz	9M04W7D	-	0.31 W
Part 24	LTE Band 2	QPSK	15 MHz	13M5G7D	-	0.35 W
Part 24	LTE Band 2	16QAM	15 MHz	13M5W7D	-	0.31 W
Part 24	LTE Band 2	QPSK	20 MHz	18M5G7D	-	0.34 W
Part 24	LTE Band 2	16QAM	20 MHz	18M5W7D	-	0.32 W
Part 24	LTE Band 25	QPSK	1.4 MHz	1M10G7D	-	0.43 W
Part 24	LTE Band 25	16QAM	1.4 MHz	1M10W7D	-	0.32 W
Part 24	LTE Band 25	QPSK	3 MHz	2M72G7D	-	0.44 W
Part 24	LTE Band 25	16QAM	3 MHz	2M72W7D	-	0.34 W
Part 24	LTE Band 25	QPSK	5 MHz	4M50G7D	-	0.45 W
Part 24	LTE Band 25	16QAM	5 MHz	4M51W7D	-	0.34 W
Part 24	LTE Band 25	QPSK	10 MHz	9M08G7D	0.004 ppm	0.43 W
Part 24	LTE Band 25	16QAM	10 MHz	9M04W7D	-	0.33 W
Part 24	LTE Band 25	QPSK	15 MHz	13M5G7D	-	0.45 W
Part 24	LTE Band 25	16QAM	15 MHz	13M5W7D	-	0.34 W
Part 24	LTE Band 25	QPSK	20 MHz	18M6G7D	-	0.42 W
Part 24	LTE Band 25	16QAM	20 MHz	18M6W7D	-	0.32 W

FCC Rule	System	Type of Modulation	BW	Emission Designator	Frequency Tolerance (ppm)	Maximum ERP/EIRP
Part 27	LTE Band 4	QPSK	1.4 MHz	1M10G7D	-	0.40 W
Part 27	LTE Band 4	16QAM	1.4 MHz	1M11W7D	-	0.33 W
Part 27	LTE Band 4	QPSK	3 MHz	2M72G7D	-	0.42 W
Part 27	LTE Band 4	16QAM	3 MHz	2M72W7D	-	0.33 W
Part 27	LTE Band 4	QPSK	5MHz	4M49G7D	-	0.42 W
Part 27	LTE Band 4	16QAM	5MHz	4M51W7D	-	0.33 W
Part 27	LTE Band 4	QPSK	10MHz	9M08G7D	0.005 ppm	0.39 W
Part 27	LTE Band 4	16QAM	10MHz	9M04W7D	-	0.33 W
Part 27	LTE Band 4	QPSK	15MHz	13M5G7D	-	0.42 W
Part 27	LTE Band 4	16QAM	15MHz	13M5W7D	-	0.34 W
Part 27	LTE Band 4	QPSK	20MHz	18M6G7D	-	0.42 W
Part 27	LTE Band 4	16QAM	20MHz	18M5W7D	-	0.33 W
Part 27	LTE Band 12	QPSK	1.4 MHz	1M10G7D		0.14 W
Part 27	LTE Band 12	16QAM	1.4 MHz	1M10W7D		0.09 W
Part 27	LTE Band 12	QPSK	3 MHz	2M72G7D		0.13 W
Part 27	LTE Band 12	16QAM	3 MHz	2M74W7D		0.09 W
Part 27	LTE Band 12	QPSK	5MHz	4M51G7D	-	0.16 W
Part 27	LTE Band 12	16QAM	5MHz	4M50W7D	-	0.08 W
Part 27	LTE Band 12	QPSK	10MHz	9M12G7D	0.008 ppm	0.15 W
Part 27	LTE Band 12	16QAM	10MHz	9M06W7D	-	0.08 W
Part 27	LTE Band 17	QPSK	5MHz	4M50G7D	-	0.15 W
Part 27	LTE Band 17	16QAM	5MHz	4M51W7D	-	0.09 W
Part 27	LTE Band 17	QPSK	10MHz	9M08G7D	0.005 ppm	0.15 W
Part 27	LTE Band 17	16QAM	10MHz	9M04W7D	-	0.09 W

FCC Rule	System	Type of Modulation	BW	Emission Designator	Frequency Tolerance (ppm)	Maximum ERP/EIRP
Part 27	LTE Band 41	QPSK	5MHz	4M52G7D	-	0.23 W
Part 27	LTE Band 41	16QAM	5MHz	4M52W7D	-	0.12 W
Part 27	LTE Band 41	QPSK	10MHz	8M97G7D	0.033 ppm	0.23 W
Part 27	LTE Band 41	16QAM	10MHz	8M97W7D	-	0.11 W
Part 27	LTE Band 41	QPSK	15MHz	13M5G7D	-	0.23 W
Part 27	LTE Band 41	16QAM	15MHz	13M6W7D	-	0.11 W
Part 27	LTE Band 41	QPSK	20MHz	17M9G7D	-	0.22 W
Part 27	LTE Band 41	16QAM	20MHz	18M0W7D	-	0.12 W

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.

Test Site	SPORTON INTERNATIONAL INC.	
Test Site Location	No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. TEL: +886-3-327-3456 FAX: +886-3-328-4978	
Test Site No.	**Sporton Site No.**	
	TH02-HY	03CH07-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-C-2004
- FCC KDB 971168 D01 Power Meas. License Digital Systems v02r01

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 v02r01 with maximum output power.

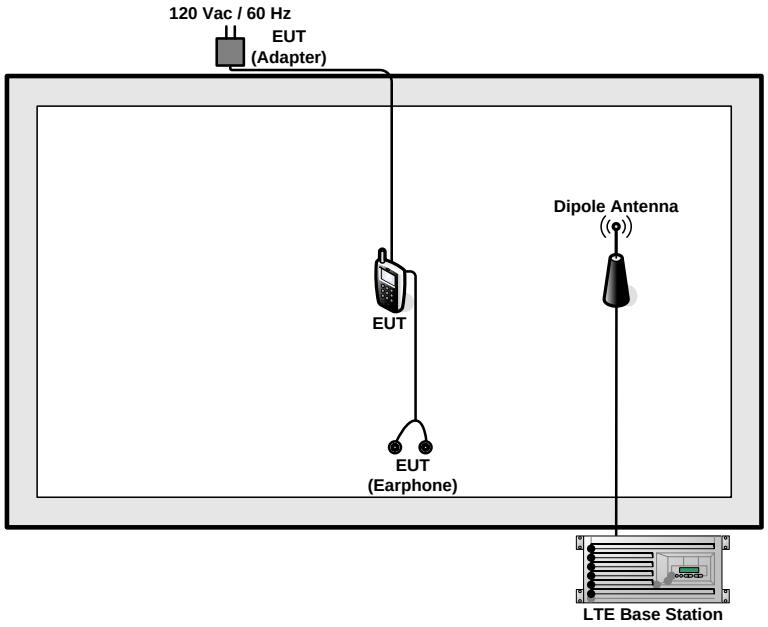
Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission.

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	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	5	v	v	v	v	-	-	v	v	v	v	v	v	v	v
	41	-	-	v	v	v	v	v	v	v	v	v	v	v	v
	17	-	-	v	v	-	-	v	v	v	v	v	v	v	v
	12	v	v	v	v	-	-	v	v	v	v	v	v	v	v
	25	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	26	v	v	v	v	v	-	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	2						v		v	v		v	v	v	v
	4						v		v	v		v	v	v	v
	5				v	-	-		v	v		v	v	v	v
	41	-	-				v		v	v		v	v	v	v
	17	-	-		v	-	-		v	v		v	v	v	v
	25						v		v	v		v	v	v	v
	26					v	-		v	v		v	v	v	v
26dB and 99% Bandwidth	2	v	v	v	v	v	v	v	v			v	v	v	v
	4	v	v	v	v	v	v	v	v			v	v	v	v
	5	v	v	v	v	-	-	v	v			v	v	v	v
	41	-	-	v	v	v	v	v	v			v	v	v	v
	17	-	-	v	v	-	-	v	v			v	v	v	v
	25	v	v	v	v	v	v	v	v			v	v	v	v
	26	v	v	v	v	v	-	v	v			v	v	v	v

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 Band Edge	2	v	v	v	v	v	v	v	v	v		v	v		v
	4	v	v	v	v	v	v	v	v	v		v	v		v
	5	v	v	v	v	-	-	v	v	v		v	v		v
	41	-	-	v	v	v	v	v	v	v		v	v		v
	17	-	-	v	v	-	-	v	v	v		v	v		v
	25	v	v	v	v	v	v	v	v	v		v	v		v
	26	v	v	v	v	v	-	v	v	v		v	v		v
Conducted Spurious Emission	2	v	v	v	v	v	v	v	v	v			v	v	v
	4	v	v	v	v	v	v	v	v	v			v	v	v
	5	v	v	v	v	-	-	v	v	v			v	v	v
	41	-	-	v	v	v	v	v	v	v			v	v	v
	17	-	-	v	v	-	-	v	v	v			v	v	v
	25	v	v	v	v	v	v	v	v	v			v	v	v
	26	v	v	v	v	v	-	v	v	v			v	v	v
Frequency Stability	2				v			v				v		v	
	4				v			v				v		v	
	5				v	-	-	v				v		v	
	41	-	-		v			v				v		v	
	17	-	-		v	-	-	v				v		v	
	25				v			v				v		v	
	26				v		-	v				v		v	
E.R.P./ E.I.R.P.	2	v	v	v	v	v	v	v	v	v			v	v	v
	4	v	v	v	v	v	v	v	v	v			v	v	v
	5	v	v	v	v	-	-	v	v	v			v	v	v
	41	-	-	v	v	v	v	v	v	v			v	v	v
	17	-	-	v	v	-	-	v	v	v			v	v	v
	25	v	v	v	v	v	v	v	v	v			v	v	v
	26	v	v	v	v	v	-	v	v	v			v	v	v

Test Items	Band	Bandwidth (MHz)						Modulation		RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full	L	M	H
Radiated Spurious Emission	2	v	v	v	v	v	v	v		v			v	v	v
	4	v	v	v	v	v	v	v		v			v	v	v
	5	v	v	v	v	-	-	v		v			v	v	v
	41	-	-	v	v	v	v	v		v			v	v	v
	17	-	-	v	v	-	-	v		v			v	v	v
	25	v	v	v	v	v	v	v		v			v	v	v
	26	v	v	v	v	v	-	v		v			v	v	v
Note	1. The mark "v " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device was investigated under different RB size/offset and modulations for radiated spurious emission and only the worst emissions were reported.														

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	LTE Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	System Simulator	R&S	CMU 200	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 :

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 Conducted Output Power Measurement

3.1.1 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.

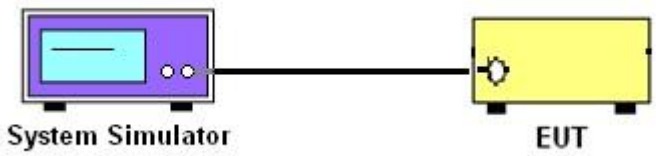
3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 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.

3.1.4 Test Setup



3.1.5 Test Result of Conducted Output Power

<LTE Band 5 Conducted Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power (dBm) Low Ch. / Freq.	Power (dBm) Middle Ch. / Freq.	Power (dBm) High Ch. / Freq.
Channel				**20450**	**20525**	**20600**
Frequency (MHz)				**829**	**836.5**	**844**
10	QPSK	1	0	22.91	22.89	**22.98**
10	QPSK	1	24	22.81	22.82	22.87
10	QPSK	1	49	22.84	22.75	22.85
10	QPSK	25	0	21.91	21.97	22.00
10	QPSK	25	12	21.93	21.96	21.95
10	QPSK	25	24	21.94	21.95	21.94
10	QPSK	50	0	22.00	21.88	21.86
10	16QAM	1	0	21.91	21.87	**21.96**
10	16QAM	1	24	21.80	21.72	21.87
10	16QAM	1	49	21.87	21.84	21.86
10	16QAM	25	0	20.94	21.00	20.99
10	16QAM	25	12	20.97	20.98	20.93
10	16QAM	25	24	20.98	20.49	20.87
10	16QAM	50	0	20.94	20.45	20.51
Channel				**20425**	**20525**	**20625**
Frequency (MHz)				**826.5**	**836.5**	**846.5**
5	QPSK	1	0	22.85	22.84	**22.92**
5	QPSK	1	12	22.72	22.74	22.87
5	QPSK	1	24	22.81	22.68	22.84
5	QPSK	12	0	21.83	21.97	22.00
5	QPSK	12	6	21.90	21.96	21.86
5	QPSK	12	11	21.93	21.95	21.84
5	QPSK	25	0	21.98	21.78	21.79
5	16QAM	1	0	21.87	21.82	**21.94**
5	16QAM	1	12	21.77	21.68	21.82
5	16QAM	1	24	21.85	21.78	21.80
5	16QAM	12	0	20.84	20.97	20.98
5	16QAM	12	6	20.94	20.90	20.90
5	16QAM	12	11	20.91	20.42	20.85
5	16QAM	25	0	20.91	20.43	20.51

BW [MHz]	Modulation	RB Size	RB Offset	Power (dBm) Low Ch. / Freq.	Power (dBm) Middle Ch. / Freq.	Power (dBm) High Ch. / Freq.
Channel				**20415**	**20525**	**20635**
Frequency (MHz)				**825.5**	**836.5**	**847.5**
3	QPSK	1	0	22.87	22.82	**22.91**
3	QPSK	1	7	22.73	22.72	22.85
3	QPSK	1	14	22.83	22.66	22.82
3	QPSK	8	0	21.83	21.93	22.00
3	QPSK	8	4	21.93	21.87	21.92
3	QPSK	8	7	21.93	21.87	21.85
3	QPSK	15	0	21.99	21.78	21.77
3	16QAM	1	0	21.85	21.82	**21.95**
3	16QAM	1	7	21.75	21.63	21.85
3	16QAM	1	14	21.77	21.82	21.77
3	16QAM	8	0	20.87	20.96	20.89
3	16QAM	8	4	20.89	20.95	20.87
3	16QAM	8	7	20.90	20.41	20.79
3	16QAM	15	0	20.84	20.35	20.44
Channel				**20407**	**20525**	**20643**
Frequency (MHz)				**824.7**	**836.5**	**848.3**
1.4	QPSK	1	0	22.81	22.81	**22.92**
1.4	QPSK	1	2	22.80	22.75	22.85
1.4	QPSK	1	5	22.79	22.73	22.84
1.4	QPSK	3	0	22.20	22.18	22.23
1.4	QPSK	3	1	22.18	22.16	22.25
1.4	QPSK	3	2	22.16	22.23	22.29
1.4	QPSK	6	0	21.95	21.86	21.80
1.4	16QAM	1	0	21.82	21.85	**21.94**
1.4	16QAM	1	2	21.79	21.64	21.82
1.4	16QAM	1	5	21.77	21.84	21.77
1.4	16QAM	3	0	21.12	21.16	21.25
1.4	16QAM	3	1	21.11	21.15	21.23
1.4	16QAM	3	2	21.15	21.18	21.23
1.4	16QAM	6	0	20.88	20.40	20.49

<LTE Band 26 Conducted Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power (dBm) Low Ch. / Freq.	Power (dBm) Middle Ch. / Freq.	Power (dBm) High Ch. / Freq.
Channel				26865	26915	26965
Frequency (MHz)				831.5	836.5	841.5
15	QPSK	1	0	**22.97**	22.93	22.94
15	QPSK	1	37	22.91	22.82	22.92
15	QPSK	1	74	22.86	22.81	22.89
15	QPSK	36	0	22.12	21.95	22.09
15	QPSK	36	18	22.06	21.93	22.05
15	QPSK	36	37	21.97	21.91	22.00
15	QPSK	75	0	22.12	22.08	22.10
15	16QAM	1	0	21.89	**21.94**	21.92
15	16QAM	1	37	21.81	21.83	21.89
15	16QAM	1	74	21.74	21.81	21.88
15	16QAM	36	0	20.96	20.89	21.00
15	16QAM	36	18	21.00	20.96	20.99
15	16QAM	36	37	20.93	21.06	21.02
15	16QAM	75	0	21.10	21.11	21.11

BW [MHz]	Modulation	RB Size	RB Offset	Power (dBm) Low Ch. / Freq.	Power (dBm) Middle Ch. / Freq.	Power (dBm) High Ch. / Freq.
Channel				**26840**	**26915**	**26990**
Frequency (MHz)				**829**	**836.5**	**844**
10	QPSK	1	0	22.92	22.82	**22.96**
10	QPSK	1	24	22.91	22.81	22.90
10	QPSK	1	49	22.83	22.71	22.93
10	QPSK	25	0	21.95	21.89	22.05
10	QPSK	25	12	21.93	21.87	21.98
10	QPSK	25	24	21.91	21.82	21.99
10	QPSK	50	0	22.08	22.18	22.09
10	16QAM	1	0	21.90	**21.99**	21.95
10	16QAM	1	24	21.82	21.83	21.92
10	16QAM	1	49	21.80	21.82	21.91
10	16QAM	25	0	20.98	20.95	21.08
10	16QAM	25	12	20.98	20.96	21.03
10	16QAM	25	24	20.90	21.08	21.02
10	16QAM	50	0	21.03	21.12	21.08
Channel				**26815**	**26915**	**27015**
Frequency (MHz)				**826.5**	**836.5**	**846.5**
5	QPSK	1	0	22.89	**22.91**	**22.91**
5	QPSK	1	12	22.87	22.79	22.85
5	QPSK	1	24	22.88	22.77	22.83
5	QPSK	12	0	21.93	21.90	21.99
5	QPSK	12	6	21.92	21.90	21.97
5	QPSK	12	11	21.93	21.87	21.99
5	QPSK	25	0	21.97	21.90	22.02
5	16QAM	1	0	21.87	**21.89**	21.88
5	16QAM	1	12	21.80	21.79	21.84
5	16QAM	1	24	21.76	21.77	21.82
5	16QAM	12	0	20.98	20.94	21.03
5	16QAM	12	6	21.00	20.93	21.02
5	16QAM	12	11	20.98	20.94	21.01
5	16QAM	25	0	21.00	20.96	21.04

BW [MHz]	Modulation	RB Size	RB Offset	Power (dBm) Low Ch. / Freq.	Power (dBm) Middle Ch. / Freq.	Power (dBm) High Ch. / Freq.
Channel				**26805**	**26915**	**27025**
Frequency (MHz)				**825.5**	**836.5**	**847.5**
3	QPSK	1	0	22.90	22.85	**22.94**
3	QPSK	1	7	22.84	22.80	22.89
3	QPSK	1	14	22.81	22.75	22.93
3	QPSK	8	0	21.93	21.93	21.98
3	QPSK	8	4	21.93	21.87	21.95
3	QPSK	8	7	21.93	21.93	21.99
3	QPSK	15	0	22.01	21.92	21.99
3	16QAM	1	0	21.89	21.79	**21.90**
3	16QAM	1	7	21.82	21.80	21.89
3	16QAM	1	14	21.76	21.81	21.85
3	16QAM	8	0	20.97	20.92	21.03
3	16QAM	8	4	21.00	20.95	21.04
3	16QAM	8	7	21.01	20.93	21.03
3	16QAM	15	0	20.96	20.90	21.02
Channel				**26797**	**26915**	**27033**
Frequency (MHz)				**824.7**	**836.5**	**848.3**
1.4	QPSK	1	0	22.94	22.91	**22.95**
1.4	QPSK	1	2	22.89	22.89	22.94
1.4	QPSK	1	5	22.83	22.82	22.89
1.4	QPSK	3	0	22.76	22.79	22.82
1.4	QPSK	3	1	22.75	22.77	22.81
1.4	QPSK	3	2	22.69	22.76	22.77
1.4	QPSK	6	0	21.99	21.97	22.05
1.4	16QAM	1	0	21.90	21.89	**21.98**
1.4	16QAM	1	2	21.89	21.86	21.93
1.4	16QAM	1	5	21.85	21.86	21.90
1.4	16QAM	3	0	21.80	21.86	21.88
1.4	16QAM	3	1	21.77	21.88	21.86
1.4	16QAM	3	2	21.69	21.83	21.82
1.4	16QAM	6	0	21.02	20.83	20.94

<LTE Band 2 Conducted Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power (dBm) Low Ch. / Freq.	Power (dBm) Middle Ch. / Freq.	Power (dBm) High Ch. / Freq.
Channel				**18700**	**18900**	**19100**
Frequency (MHz)				**1860**	**1880**	**1900**
20	QPSK	1	0	23.37	23.33	**23.41**
20	QPSK	1	49	23.27	23.21	23.40
20	QPSK	1	99	23.08	23.13	23.36
20	QPSK	50	0	22.37	22.33	22.51
20	QPSK	50	24	22.33	22.32	22.48
20	QPSK	50	49	22.25	22.31	22.46
20	QPSK	100	0	22.10	22.31	22.46
20	16QAM	1	0	**22.42**	22.24	22.39
20	16QAM	1	49	22.25	22.18	22.37
20	16QAM	1	99	22.02	22.10	22.33
20	16QAM	50	0	21.30	21.24	21.42
20	16QAM	50	24	21.29	21.26	21.33
20	16QAM	50	49	21.18	21.23	21.44
20	16QAM	100	0	21.32	21.25	21.46
Channel				**18675**	**18900**	**19125**
Frequency (MHz)				**1857.5**	**1880**	**1902.5**
15	QPSK	1	0	23.32	23.32	**23.37**
15	QPSK	1	37	23.18	23.19	23.35
15	QPSK	1	74	23.04	23.10	23.27
15	QPSK	36	0	22.36	22.28	22.49
15	QPSK	36	18	22.33	22.24	22.39
15	QPSK	36	37	22.21	22.27	22.37
15	QPSK	75	0	22.10	22.23	22.36
15	16QAM	1	0	22.33	22.19	**22.33**
15	16QAM	1	37	22.23	22.18	22.30
15	16QAM	1	74	21.99	22.03	22.27
15	16QAM	36	0	21.28	21.15	21.33
15	16QAM	36	18	21.21	21.16	21.30
15	16QAM	36	37	21.13	21.16	21.36
15	16QAM	75	0	21.32	21.25	21.45

BW [MHz]	Modulation	RB Size	RB Offset	Power (dBm) Low Ch. / Freq.	Power (dBm) Middle Ch. / Freq.	Power (dBm) High Ch. / Freq.
Channel				**18650**	**18900**	**19150**
Frequency (MHz)				**1855**	**1880**	**1905**
10	QPSK	1	0	23.33	23.28	23.32
10	QPSK	1	24	23.17	23.21	**23.35**
10	QPSK	1	49	23.02	23.06	23.33
10	QPSK	25	0	22.34	22.26	22.44
10	QPSK	25	12	22.24	22.22	22.38
10	QPSK	25	24	22.15	22.28	22.39
10	QPSK	50	0	22.09	22.24	22.42
10	16QAM	1	0	**22.34**	22.16	22.29
10	16QAM	1	24	22.22	22.10	22.27
10	16QAM	1	49	22.01	22.04	22.33
10	16QAM	25	0	21.22	21.14	21.38
10	16QAM	25	12	21.24	21.17	21.28
10	16QAM	25	24	21.12	21.22	21.38
10	16QAM	50	0	21.28	21.23	21.43
Channel				**18625**	**18900**	**19175**
Frequency (MHz)				**1852.5**	**1880**	**1907.5**
5	QPSK	1	0	23.32	23.33	**23.34**
5	QPSK	1	12	23.18	23.14	23.30
5	QPSK	1	24	22.99	23.05	23.31
5	QPSK	12	0	22.33	22.31	22.48
5	QPSK	12	6	22.27	22.29	22.41
5	QPSK	12	11	22.25	22.29	22.38
5	QPSK	25	0	22.06	22.27	22.46
5	16QAM	1	0	**22.41**	22.22	22.39
5	16QAM	1	12	22.24	22.09	22.31
5	16QAM	1	24	21.95	22.07	22.26
5	16QAM	12	0	21.23	21.19	21.41
5	16QAM	12	6	21.29	21.20	21.24
5	16QAM	12	11	21.14	21.17	21.38
5	16QAM	25	0	21.32	21.18	21.44

BW [MHz]	Modulation	RB Size	RB Offset	Power (dBm) Low Ch. / Freq.	Power (dBm) Middle Ch. / Freq.	Power (dBm) High Ch. / Freq.
Channel				**18615**	**18900**	**19185**
Frequency (MHz)				**1851.5**	**1880**	**1908.5**
3	QPSK	1	0	**23.37**	23.32	23.33
3	QPSK	1	7	23.24	23.19	23.30
3	QPSK	1	14	23.01	23.06	23.26
3	QPSK	8	0	22.35	22.23	22.43
3	QPSK	8	4	22.29	22.28	22.38
3	QPSK	8	7	22.20	22.29	22.43
3	QPSK	15	0	22.08	22.30	22.43
3	16QAM	1	0	**22.35**	22.16	22.33
3	16QAM	1	7	22.24	22.10	22.34
3	16QAM	1	14	21.93	22.03	22.26
3	16QAM	8	0	21.25	21.19	21.36
3	16QAM	8	4	21.26	21.22	21.29
3	16QAM	8	7	21.11	21.14	21.37
3	16QAM	15	0	21.26	21.24	21.42
Channel				**18607**	**18900**	**19193**
Frequency (MHz)				**1850.7**	**1880**	**1909.3**
1.4	QPSK	1	0	23.33	23.27	**23.36**
1.4	QPSK	1	2	23.22	23.20	23.35
1.4	QPSK	1	5	22.98	23.08	23.26
1.4	QPSK	3	0	22.78	22.62	22.72
1.4	QPSK	3	1	22.77	22.58	22.71
1.4	QPSK	3	2	22.75	22.57	22.70
1.4	QPSK	6	0	22.10	22.22	22.41
1.4	16QAM	1	0	**22.41**	22.23	22.37
1.4	16QAM	1	2	22.18	22.11	22.29
1.4	16QAM	1	5	22.02	22.01	22.25
1.4	16QAM	3	0	21.72	21.62	21.73
1.4	16QAM	3	1	21.68	21.63	21.68
1.4	16QAM	3	2	21.65	21.63	21.66
1.4	16QAM	6	0	21.27	21.15	21.44

<LTE Band 25 Conducted Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power (dBm) Low Ch. / Freq.	Power (dBm) Middle Ch. / Freq.	Power (dBm) High Ch. / Freq.
Channel				**26140**	**26340**	**26590**
Frequency (MHz)				**1860**	**1880**	**1905**
20	QPSK	1	0	23.44	23.48	**23.51**
20	QPSK	1	49	23.36	23.31	23.41
20	QPSK	1	99	23.11	23.27	23.28
20	QPSK	50	0	22.46	22.41	22.55
20	QPSK	50	24	22.45	22.39	22.46
20	QPSK	50	49	22.33	22.34	22.45
20	QPSK	100	0	22.29	22.37	22.46
20	16QAM	1	0	22.36	22.37	**22.44**
20	16QAM	1	49	22.29	22.25	22.32
20	16QAM	1	99	22.09	22.20	22.24
20	16QAM	50	0	21.32	21.26	21.49
20	16QAM	50	24	21.30	21.24	21.41
20	16QAM	50	49	21.25	21.28	21.38
20	16QAM	100	0	21.25	21.31	21.43
Channel				**26115**	**26340**	**26615**
Frequency (MHz)				**1857.5**	**1880**	**1907.5**
15	QPSK	1	0	23.38	**23.48**	23.41
15	QPSK	1	37	23.30	23.21	23.33
15	QPSK	1	74	23.04	23.21	23.20
15	QPSK	36	0	22.45	22.38	22.51
15	QPSK	36	18	22.44	22.37	22.40
15	QPSK	36	37	22.27	22.32	22.42
15	QPSK	75	0	22.22	22.34	22.44
15	16QAM	1	0	22.32	22.28	**22.38**
15	16QAM	1	37	22.25	22.15	22.22
15	16QAM	1	74	22.02	22.16	22.16
15	16QAM	36	0	21.25	21.22	21.46
15	16QAM	36	18	21.30	21.14	21.39
15	16QAM	36	37	21.21	21.27	21.37
15	16QAM	75	0	21.17	21.23	21.38

BW [MHz]	Modulation	RB Size	RB Offset	Power (dBm) Low Ch. / Freq.	Power (dBm) Middle Ch. / Freq.	Power (dBm) High Ch. / Freq.
Channel				26090	26340	26640
Frequency (MHz)				1855	1880	1910
10	QPSK	1	0	23.42	23.41	**23.50**
10	QPSK	1	24	23.26	23.29	23.39
10	QPSK	1	49	23.07	23.19	23.20
10	QPSK	25	0	22.37	22.37	22.45
10	QPSK	25	12	22.40	22.38	22.36
10	QPSK	25	24	22.30	22.34	22.35
10	QPSK	50	0	22.24	22.34	22.38
10	16QAM	1	0	**22.36**	22.33	22.35
10	16QAM	1	24	22.25	22.16	22.26
10	16QAM	1	49	22.04	22.10	22.15
10	16QAM	25	0	21.26	21.18	21.43
10	16QAM	25	12	21.22	21.15	21.32
10	16QAM	25	24	21.17	21.19	21.36
10	16QAM	50	0	21.22	21.21	21.33
Channel				26065	26340	26665
Frequency (MHz)				1852.5	1880	1912.5
5	QPSK	1	0	23.42	**23.45**	23.44
5	QPSK	1	12	23.28	23.26	23.38
5	QPSK	1	24	23.08	23.25	23.27
5	QPSK	12	0	22.43	22.32	22.48
5	QPSK	12	6	22.45	22.30	22.43
5	QPSK	12	11	22.33	22.33	22.40
5	QPSK	25	0	22.28	22.29	22.38
5	16QAM	1	0	22.27	22.27	**22.34**
5	16QAM	1	12	22.20	22.15	22.24
5	16QAM	1	24	22.01	22.17	22.22
5	16QAM	12	0	21.29	21.17	21.41
5	16QAM	12	6	21.22	21.16	21.41
5	16QAM	12	11	21.21	21.24	21.29
5	16QAM	25	0	21.15	21.29	21.41

BW [MHz]	Modulation	RB Size	RB Offset	Power (dBm) Low Ch. / Freq.	Power (dBm) Middle Ch. / Freq.	Power (dBm) High Ch. / Freq.
Channel				**26055**	**26340**	**26675**
Frequency (MHz)				**1851.5**	**1880**	**1913.5**
3	QPSK	1	0	23.42	23.47	**23.50**
3	QPSK	1	7	23.28	23.22	23.35
3	QPSK	1	14	23.09	23.25	23.19
3	QPSK	8	0	22.38	22.39	22.52
3	QPSK	8	4	22.37	22.33	22.46
3	QPSK	8	7	22.28	22.33	22.44
3	QPSK	15	0	22.24	22.28	22.43
3	16QAM	1	0	22.31	22.33	**22.36**
3	16QAM	1	7	22.25	22.21	22.30
3	16QAM	1	14	22.01	22.15	22.17
3	16QAM	8	0	21.32	21.22	21.39
3	16QAM	8	4	21.24	21.15	21.36
3	16QAM	8	7	21.15	21.18	21.34
3	16QAM	15	0	21.23	21.30	21.40
Channel				**26047**	**26340**	**26683**
Frequency (MHz)				**1850.7**	**1880**	**1914.3**
1.4	QPSK	1	0	23.41	23.38	**23.42**
1.4	QPSK	1	2	23.27	23.29	23.35
1.4	QPSK	1	5	23.10	23.17	23.25
1.4	QPSK	3	0	22.72	22.70	22.73
1.4	QPSK	3	1	22.73	22.68	22.75
1.4	QPSK	3	2	22.71	22.68	22.74
1.4	QPSK	6	0	22.22	22.30	22.41
1.4	16QAM	1	0	22.34	22.34	**22.41**
1.4	16QAM	1	2	22.23	22.15	22.24
1.4	16QAM	1	5	22.02	22.15	22.16
1.4	16QAM	3	0	21.73	21.68	21.75
1.4	16QAM	3	1	21.74	21.72	21.74
1.4	16QAM	3	2	21.72	21.71	21.73
1.4	16QAM	6	0	21.15	21.29	21.33

<LTE Band 4 Conducted Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power (dBm) Low Ch. / Freq.	Power (dBm) Middle Ch. / Freq.	Power (dBm) High Ch. / Freq.
Channel				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	**23.56**	23.53	23.51
20	QPSK	1	49	23.49	23.48	23.32
20	QPSK	1	99	23.43	23.36	23.29
20	QPSK	50	0	22.61	22.66	22.62
20	QPSK	50	24	22.59	22.62	22.46
20	QPSK	50	49	22.58	22.57	22.43
20	QPSK	100	0	22.56	22.66	22.41
20	16QAM	1	0	22.50	**22.54**	22.51
20	16QAM	1	49	22.46	22.49	22.31
20	16QAM	1	99	22.42	22.35	22.26
20	16QAM	50	0	21.56	21.59	21.54
20	16QAM	50	24	21.55	21.58	21.47
20	16QAM	50	49	21.54	21.50	21.43
20	16QAM	100	0	21.53	21.59	21.42
Channel				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	**23.47**	23.46	23.42
15	QPSK	1	37	**23.47**	23.39	23.27
15	QPSK	1	74	23.36	23.36	23.22
15	QPSK	36	0	22.57	22.57	22.60
15	QPSK	36	18	22.56	22.56	22.37
15	QPSK	36	37	22.55	22.49	22.39
15	QPSK	75	0	22.54	22.56	22.38
15	16QAM	1	0	22.47	22.47	**22.50**
15	16QAM	1	37	22.44	22.44	22.24
15	16QAM	1	74	22.37	22.30	22.22
15	16QAM	36	0	21.48	21.59	21.51
15	16QAM	36	18	21.51	21.48	21.39
15	16QAM	36	37	21.50	21.48	21.40
15	16QAM	75	0	21.45	21.52	21.35

BW [MHz]	Modulation	RB Size	RB Offset	Power (dBm) Low Ch. / Freq.	Power (dBm) Middle Ch. / Freq.	Power (dBm) High Ch. / Freq.
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	23.48	23.43	23.48
10	QPSK	1	24	23.41	23.44	23.22
10	QPSK	1	49	23.42	23.27	23.29
10	QPSK	25	0	22.52	22.60	22.59
10	QPSK	25	12	22.53	22.52	22.43
10	QPSK	25	24	22.49	22.47	22.43
10	QPSK	50	0	22.53	22.62	22.38
10	16QAM	1	0	22.49	22.52	22.43
10	16QAM	1	24	22.36	22.43	22.29
10	16QAM	1	49	22.33	22.25	22.18
10	16QAM	25	0	21.52	21.59	21.51
10	16QAM	25	12	21.50	21.53	21.44
10	16QAM	25	24	21.52	21.44	21.36
10	16QAM	50	0	21.44	21.54	21.39
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	23.54	23.49	23.45
5	QPSK	1	12	23.47	23.42	23.30
5	QPSK	1	24	23.33	23.30	23.28
5	QPSK	12	0	22.52	22.63	22.58
5	QPSK	12	6	22.52	22.62	22.45
5	QPSK	12	11	22.58	22.51	22.33
5	QPSK	25	0	22.46	22.61	22.39
5	16QAM	1	0	22.43	22.52	22.45
5	16QAM	1	12	22.36	22.44	22.31
5	16QAM	1	24	22.42	22.28	22.22
5	16QAM	12	0	21.56	21.54	21.49
5	16QAM	12	6	21.45	21.57	21.43
5	16QAM	12	11	21.50	21.43	21.37
5	16QAM	25	0	21.44	21.57	21.38

BW [MHz]	Modulation	RB Size	RB Offset	Power (dBm) Low Ch. / Freq.	Power (dBm) Middle Ch. / Freq.	Power (dBm) High Ch. / Freq.
Channel				**19965**	**20175**	**20385**
Frequency (MHz)				**1711.5**	**1732.5**	**1753.5**
3	QPSK	1	0	23.47	23.44	**23.50**
3	QPSK	1	7	23.46	23.43	23.31
3	QPSK	1	14	23.39	23.32	23.22
3	QPSK	8	0	22.60	22.58	22.62
3	QPSK	8	4	22.55	22.61	22.39
3	QPSK	8	7	22.58	22.51	22.40
3	QPSK	15	0	22.52	22.56	22.32
3	16QAM	1	0	**22.50**	22.47	22.46
3	16QAM	1	7	22.43	22.48	22.28
3	16QAM	1	14	22.42	22.26	22.17
3	16QAM	8	0	21.51	21.57	21.48
3	16QAM	8	4	21.46	21.58	21.46
3	16QAM	8	7	21.45	21.49	21.36
3	16QAM	15	0	21.43	21.57	21.42
Channel				**19957**	**20175**	**20393**
Frequency (MHz)				**1710.7**	**1732.5**	**1754.3**
1.4	QPSK	1	0	**23.55**	23.44	23.41
1.4	QPSK	1	2	23.40	23.39	23.25
1.4	QPSK	1	5	23.38	23.30	23.27
1.4	QPSK	3	0	22.85	22.80	22.78
1.4	QPSK	3	1	22.86	22.79	22.77
1.4	QPSK	3	2	22.85	22.77	22.77
1.4	QPSK	6	0	22.50	22.56	22.34
1.4	16QAM	1	0	22.46	**22.46**	22.43
1.4	16QAM	1	2	22.40	22.42	22.24
1.4	16QAM	1	5	22.34	22.32	22.24
1.4	16QAM	3	0	21.88	21.76	21.72
1.4	16QAM	3	1	21.86	21.75	21.73
1.4	16QAM	3	2	21.85	21.76	21.71
1.4	16QAM	6	0	21.45	21.56	21.33

<LTE Band 12 Conducted Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power (dBm) Low Ch. / Freq.	Power (dBm) Middle Ch. / Freq.	Power (dBm) High Ch. / Freq.
Channel				**23060**	**23095**	**23130**
Frequency (MHz)				**704**	**707.5**	**711**
10	QPSK	1	0	22.87	22.91	**22.93**
10	QPSK	1	24	22.84	22.82	22.88
10	QPSK	1	49	22.82	22.81	22.78
10	QPSK	25	0	22.00	21.99	21.98
10	QPSK	25	12	21.96	21.94	21.95
10	QPSK	25	24	21.95	21.90	21.92
10	QPSK	50	0	22.08	22.10	22.05
10	16QAM	1	0	21.87	**21.95**	**21.95**
10	16QAM	1	24	21.84	21.83	21.85
10	16QAM	1	49	21.83	21.82	21.79
10	16QAM	25	0	21.10	21.47	21.46
10	16QAM	25	12	21.12	21.44	21.39
10	16QAM	25	24	21.05	21.35	21.23
10	16QAM	50	0	21.07	21.07	21.03
Channel				**23035**	**23095**	**23155**
Frequency (MHz)				**701.5**	**707.5**	**713.5**
5	QPSK	1	0	22.84	**22.88**	22.84
5	QPSK	1	12	22.83	22.73	22.80
5	QPSK	1	24	22.79	22.75	22.78
5	QPSK	12	0	21.98	21.89	21.92
5	QPSK	12	6	21.89	21.92	21.93
5	QPSK	12	11	21.94	21.85	21.92
5	QPSK	25	0	21.98	22.10	21.95
5	16QAM	1	0	21.82	21.85	**21.93**
5	16QAM	1	12	21.78	21.83	21.81
5	16QAM	1	24	21.80	21.75	21.69
5	16QAM	12	0	21.10	21.42	21.46
5	16QAM	12	6	21.11	21.34	21.32
5	16QAM	12	11	20.96	21.27	21.18
5	16QAM	25	0	21.07	20.99	20.94

BW [MHz]	Modulation	RB Size	RB Offset	Power (dBm) Low Ch. / Freq.	Power (dBm) Middle Ch. / Freq.	Power (dBm) High Ch. / Freq.
Channel				**23025**	**23095**	**23165**
Frequency (MHz)				**700.5**	**707.5**	**714.5**
3	QPSK	1	0	22.87	**22.91**	22.90
3	QPSK	1	7	22.84	22.74	22.79
3	QPSK	1	14	22.81	22.73	22.71
3	QPSK	8	0	21.95	21.93	21.89
3	QPSK	8	4	21.93	21.90	21.90
3	QPSK	8	7	21.92	21.88	21.86
3	QPSK	15	0	22.03	22.05	22.03
3	16QAM	1	0	21.80	**21.93**	21.91
3	16QAM	1	7	21.79	21.81	21.85
3	16QAM	1	14	21.79	21.82	21.75
3	16QAM	8	0	21.08	21.43	21.39
3	16QAM	8	4	21.10	21.36	21.35
3	16QAM	8	7	21.01	21.30	21.23
3	16QAM	15	0	21.03	21.05	21.03
Channel				**23017**	**23095**	**23173**
Frequency (MHz)				**699.7**	**707.5**	**715.3**
1.4	QPSK	1	0	22.85	22.83	**22.89**
1.4	QPSK	1	2	22.81	22.73	22.81
1.4	QPSK	1	5	22.72	22.75	22.72
1.4	QPSK	3	0	22.23	22.20	22.20
1.4	QPSK	3	1	22.20	22.18	22.19
1.4	QPSK	3	2	22.18	22.23	22.23
1.4	QPSK	6	0	22.05	22.03	21.95
1.4	16QAM	1	0	21.87	21.90	**21.93**
1.4	16QAM	1	2	21.78	21.73	21.76
1.4	16QAM	1	5	21.76	21.79	21.73
1.4	16QAM	3	0	21.30	21.43	21.45
1.4	16QAM	3	1	21.26	21.37	21.33
1.4	16QAM	3	2	21.22	21.30	21.21
1.4	16QAM	6	0	21.02	21.03	20.94

<LTE Band 17 Conducted Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power (dBm) Low Ch. / Freq.	Power (dBm) Middle Ch. / Freq.	Power (dBm) High Ch. / Freq.
Channel				**23780**	**23790**	**23800**
Frequency (MHz)				**709**	**710**	**711**
10	QPSK	1	0	22.96	22.94	**22.98**
10	QPSK	1	24	22.83	22.88	22.89
10	QPSK	1	49	22.78	22.80	22.82
10	QPSK	25	0	21.99	21.93	22.01
10	QPSK	25	12	21.96	21.98	21.98
10	QPSK	25	24	21.92	22.00	21.96
10	QPSK	50	0	22.06	22.06	22.07
10	16QAM	1	0	21.89	21.90	**21.95**
10	16QAM	1	24	21.79	21.82	21.84
10	16QAM	1	49	21.78	21.77	21.80
10	16QAM	25	0	20.96	20.94	20.95
10	16QAM	25	12	20.96	20.98	20.98
10	16QAM	25	24	20.99	21.00	20.99
10	16QAM	50	0	21.05	21.04	21.05
Channel				**23755**	**23790**	**23825**
Frequency (MHz)				**706.5**	**710**	**713.5**
5	QPSK	1	0	22.86	22.85	**22.96**
5	QPSK	1	12	22.73	22.83	22.89
5	QPSK	1	24	22.70	22.71	22.81
5	QPSK	12	0	21.91	21.86	21.96
5	QPSK	12	6	21.93	21.93	21.95
5	QPSK	12	11	21.83	21.97	21.95
5	QPSK	25	0	22.06	21.98	21.99
5	16QAM	1	0	21.79	**21.87**	21.85
5	16QAM	1	12	21.77	21.72	21.79
5	16QAM	1	24	21.70	21.76	21.73
5	16QAM	12	0	20.87	20.86	20.87
5	16QAM	12	6	20.91	20.93	20.91
5	16QAM	12	11	20.99	20.96	20.90
5	16QAM	25	0	20.96	20.97	21.01

<LTE Band 41 Conducted Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power (dBm) Low Ch. / Freq.	Power (dBm) Middle Ch. / Freq.	Power (dBm) High Ch. / Freq.
Channel				39750	40620	41490
Frequency (MHz)				2506	2593	2680
20	QPSK	1	0	23.02	23.14	22.91
20	QPSK	1	49	23.15	23.15	23.11
20	QPSK	1	99	23.13	**23.24**	23.13
20	QPSK	50	0	22.11	22.30	22.26
20	QPSK	50	24	22.19	22.22	22.34
20	QPSK	50	49	22.16	22.22	22.38
20	QPSK	100	0	22.14	22.23	22.07
20	16QAM	1	0	21.84	21.95	21.75
20	16QAM	1	49	21.93	21.96	21.84
20	16QAM	1	99	21.87	**22.01**	21.83
20	16QAM	50	0	21.11	21.21	21.00
20	16QAM	50	24	21.18	21.18	21.14
20	16QAM	50	49	21.13	21.23	21.15
20	16QAM	100	0	21.20	21.24	21.21
Channel				39725	40620	41515
Frequency (MHz)				2503.5	2593	2682.5
15	QPSK	1	0	23.06	23.24	22.97
15	QPSK	1	37	23.14	23.26	23.19
15	QPSK	1	74	23.08	**23.31**	23.18
15	QPSK	36	0	22.12	22.19	22.09
15	QPSK	36	18	22.23	22.23	22.15
15	QPSK	36	37	22.23	22.22	22.15
15	QPSK	75	0	22.13	22.26	22.08
15	16QAM	1	0	21.88	**22.01**	21.74
15	16QAM	1	37	21.92	21.95	21.85
15	16QAM	1	74	21.81	22.00	21.84
15	16QAM	36	0	21.07	21.13	21.08
15	16QAM	36	18	21.18	21.17	21.10
15	16QAM	36	37	21.19	21.21	21.13
15	16QAM	75	0	21.15	21.21	21.18

BW [MHz]	Modulation	RB Size	RB Offset	Power (dBm) Low Ch. / Freq.	Power (dBm) Middle Ch. / Freq.	Power (dBm) High Ch. / Freq.
Channel				39700	40620	41540
Frequency (MHz)				2501	2593	2685
10	QPSK	1	0	22.98	23.05	23.04
10	QPSK	1	24	23.01	23.13	23.08
10	QPSK	1	49	23.13	**23.18**	23.11
10	QPSK	25	0	22.01	22.15	22.05
10	QPSK	25	12	22.01	22.14	22.14
10	QPSK	25	24	22.05	22.19	22.15
10	QPSK	50	0	22.01	22.15	22.03
10	16QAM	1	0	21.84	21.87	21.86
10	16QAM	1	24	21.75	21.91	21.84
10	16QAM	1	49	21.82	**21.97**	21.88
10	16QAM	25	0	21.14	21.22	21.21
10	16QAM	25	12	21.12	21.21	21.18
10	16QAM	25	24	21.08	21.21	21.18
10	16QAM	50	0	21.05	21.15	21.08
Channel				39675	40620	41565
Frequency (MHz)				2498.5	2593	2687.5
5	QPSK	1	0	23.04	23.06	23.05
5	QPSK	1	12	22.99	**23.12**	23.10
5	QPSK	1	24	22.94	23.08	23.04
5	QPSK	12	0	22.04	22.14	22.07
5	QPSK	12	6	21.97	22.10	22.10
5	QPSK	12	11	22.03	22.16	22.09
5	QPSK	25	0	22.06	22.17	22.09
5	16QAM	1	0	21.81	21.91	21.82
5	16QAM	1	12	21.79	21.93	21.88
5	16QAM	1	24	21.78	**22.00**	21.93
5	16QAM	12	0	21.11	21.14	21.15
5	16QAM	12	6	21.11	21.16	21.17
5	16QAM	12	11	21.12	21.21	21.18
5	16QAM	25	0	21.16	21.20	21.22

Note: maximum average power for LTE.

3.2 Peak-to-Average Ratio

3.2.1 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.

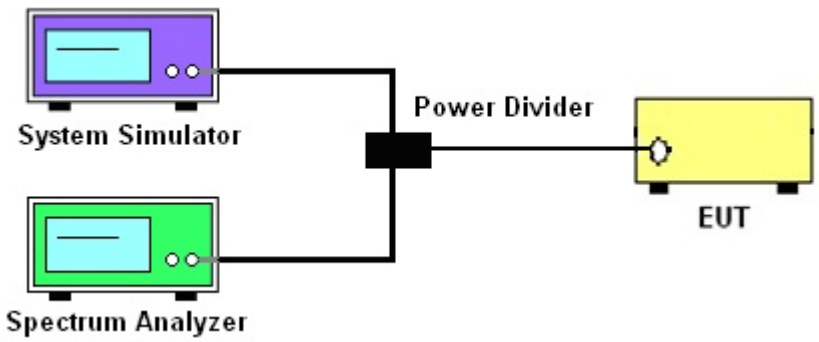
3.2.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.2.3 Test Procedures

1. The testing follows FCC KDB 971168 v02r01 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.

3.2.4 Test Setup



3.2.5 Test Result of Peak-to-Average Ratio

LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Power (dBm) Low Ch. / Freq.	Power (dBm) Middle Ch. / Freq.	Power (dBm) High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	16QAM	1	0	5.93	6.47	6.54
10	16QAM	50	0	6.22	6.54	6.12

LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Power (dBm) Low Ch. / Freq.	Power (dBm) Middle Ch. / Freq.	Power (dBm) High Ch. / Freq.
Channel				26865	26915	26965
Frequency (MHz)				831.5	836.5	841.5
15	16QAM	1	0	5.83	6.06	6.41
15	16QAM	75	0	6.22	6.47	6.31

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Power (dBm) Low Ch. / Freq.	Power (dBm) Middle Ch. / Freq.	Power (dBm) High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	16QAM	1	0	6.73	6.76	7.12
20	16QAM	100	0	6.38	6.57	6.54

LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Power (dBm) Low Ch. / Freq.	Power (dBm) Middle Ch. / Freq.	Power (dBm) High Ch. / Freq.
Channel				26140	26340	26590
Frequency (MHz)				1860	1880	1905
20	16QAM	1	0	7.69	7.12	6.86
20	16QAM	100	0	6.47	6.73	6.57

LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Power (dBm) Low Ch. / Freq.	Power (dBm) Middle Ch. / Freq.	Power (dBm) High Ch. / Freq.
Channel				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	16QAM	1	0	5.99	7.18	7.12
20	16QAM	100	0	6.70	6.67	6.41

LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Power (dBm) Low Ch. / Freq.	Power (dBm) Middle Ch. / Freq.	Power (dBm) High Ch. / Freq.
Channel				23060	23095	23130
Frequency (MHz)				704.0	707.5	711.0
10	16QAM	1	0	6.31	6.38	6.54
10	16QAM	50	0	6.19	6.44	6.12

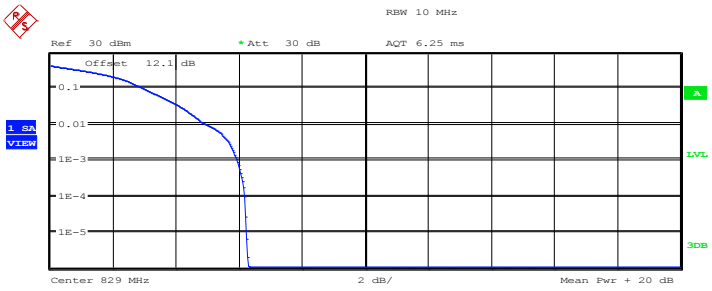
LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Power (dBm) Low Ch. / Freq.	Power (dBm) Middle Ch. / Freq.	Power (dBm) High Ch. / Freq.
Channel				23780	23790	23800
Frequency (MHz)				709	710	711
10	16QAM	1	0	6.12	6.44	6.54
10	16QAM	50	0	6.25	6.22	8.53

LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Power (dBm) Low Ch. / Freq.	Power (dBm) Middle Ch. / Freq.	Power (dBm) High Ch. / Freq.
Channel				39750	40620	41490
Frequency (MHz)				2506	2593	2680
20	16QAM	1	0	8.56	8.78	9.42
20	16QAM	100	0	8.43	9.33	9.07

3.2.6 Peak to Average Power Ratio

Peak-to-Average Ratio on LTE Band 5

10MHz / 16QAM in Ch. 20450 (1RB Size)



Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	22.58 dBm
Peak	28.86 dBm
Crest	6.29 dB
10 %	2.98 dB
1 %	4.97 dB
.1 %	5.93 dB
.01 %	6.19 dB

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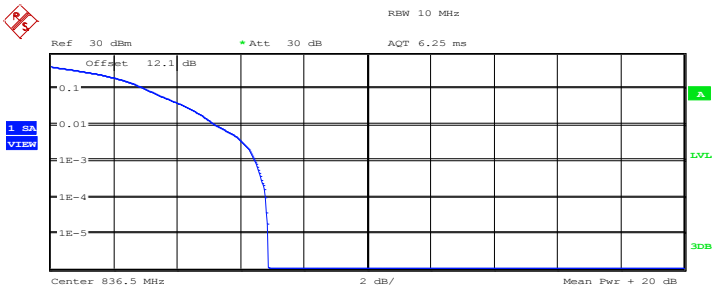
Peak-to-Average Ratio on LTE Band 5

10MHz / 16QAM in Ch. 20525 (1RB Size)



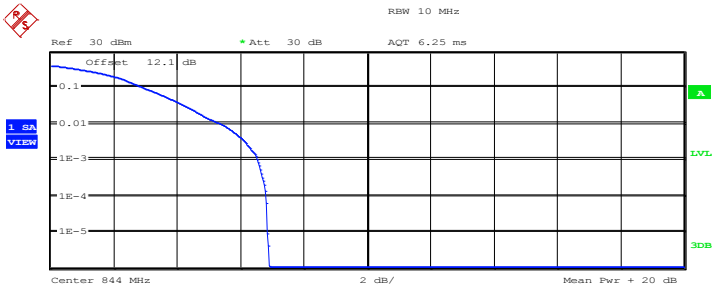
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	22.43 dBm
Peak	29.31 dBm
Crest	6.88 dB
10 %	3.01 dB
1 %	5.19 dB
.1 %	6.47 dB
.01 %	6.79 dB

Date: 15.JUN.2014 16:00:09

Peak-to-Average Ratio on LTE Band 5

10MHz / 16QAM in Ch. 20600 (1RB Size)



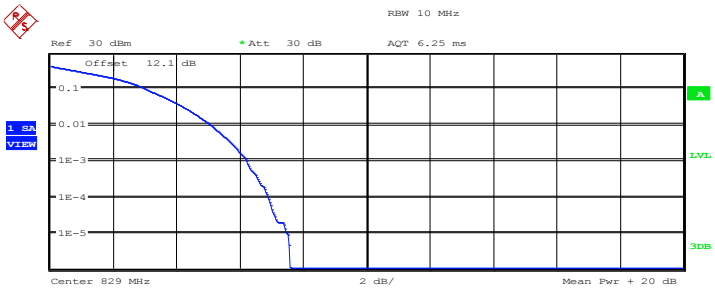
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	22.79 dBm
Peak	29.70 dBm
Crest	6.91 dB
10 %	2.95 dB
1 %	5.35 dB
.1 %	6.54 dB
.01 %	6.79 dB

Date: 15.JUN.2014 16:00:57

Peak-to-Average Ratio on LTE Band 5

10MHz / 16QAM in Ch. 20450 (50RB Size)



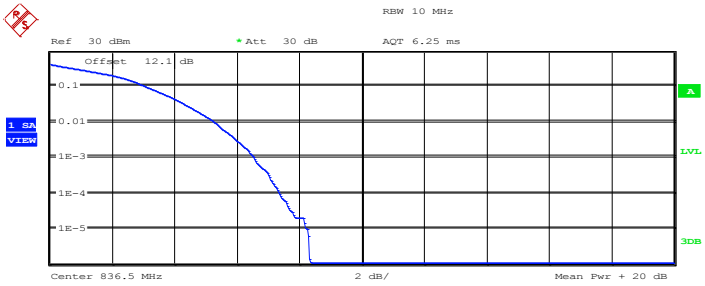
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	21.84 dBm
Peak	29.43 dBm
Crest	7.58 dB
10 %	3.04 dB
1 %	5.06 dB
.1 %	6.22 dB
.01 %	6.89 dB

Date: 15.JUN.2014 15:59:34

Peak-to-Average Ratio on LTE Band 5

10MHz / 16QAM in Ch. 20525 (50RB Size)



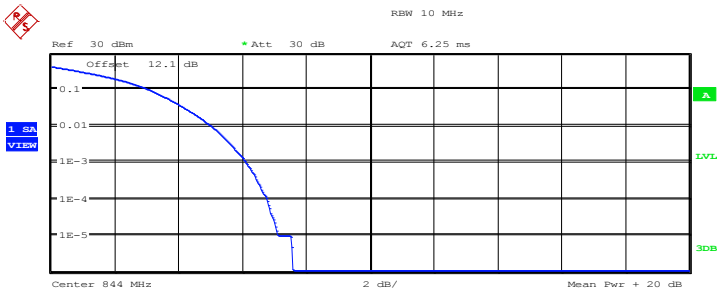
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	21.97 dBm
Peak	30.30 dBm
Crest	8.33 dB
10 %	3.08 dB
1 %	5.26 dB
.1 %	6.54 dB
.01 %	7.34 dB

Date: 15.JUN.2014 16:00:33

Peak-to-Average Ratio on LTE Band 5

10MHz / 16QAM in Ch. 20600 (50RB Size)



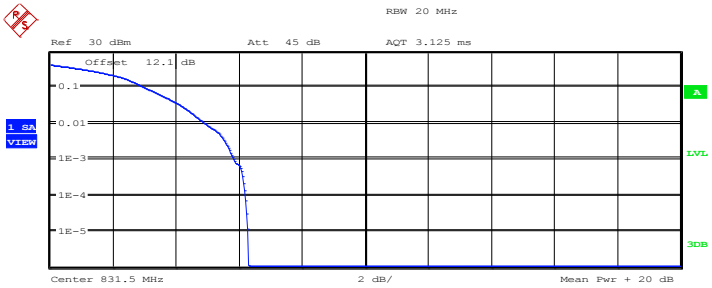
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	21.97 dBm
Peak	29.56 dBm
Crest	7.58 dB
10 %	3.08 dB
1 %	5.00 dB
.1 %	6.12 dB
.01 %	6.76 dB

Date: 15.JUN.2014 16:01:44

Peak-to-Average Ratio on LTE Band 26

15MHz / 16QAM in Ch. 26865 (1RB Size)



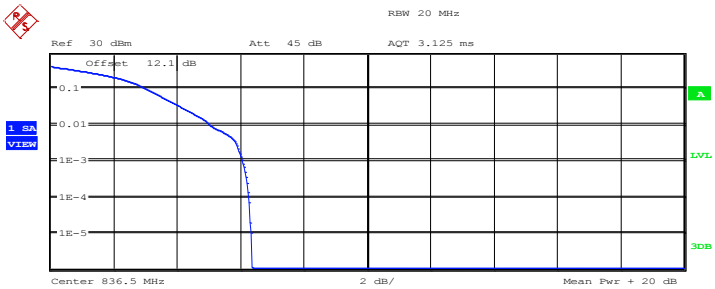
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	22.80 dBm
Peak	29.09 dBm
Crest	6.29 dB
10 %	3.01 dB
1 %	4.90 dB
.1 %	5.83 dB
.01 %	6.19 dB

Date: 15.JUL.2014 19:41:48

Peak-to-Average Ratio on LTE Band 26

15MHz / 16QAM in Ch. 26915 (1RB Size)



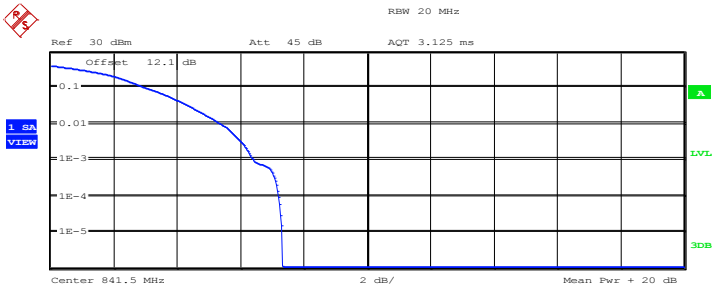
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	22.67 dBm
Peak	29.04 dBm
Crest	6.37 dB
10 %	3.01 dB
1 %	5.03 dB
.1 %	6.06 dB
.01 %	6.28 dB

Date: 15.JUL.2014 19:41:02

Peak-to-Average Ratio on LTE Band 26

15MHz / 16QAM in Ch. 26965 (1RB Size)



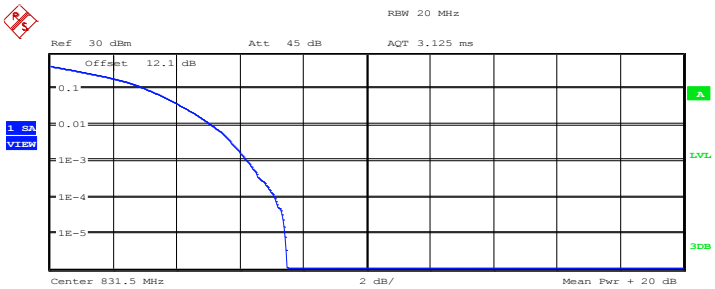
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	23.07 dBm
Peak	30.40 dBm
Crest	7.33 dB
10 %	3.01 dB
1 %	5.35 dB
.1 %	6.41 dB
.01 %	7.21 dB

Date: 15.JUL.2014 19:07:28

Peak-to-Average Ratio on LTE Band 26

15MHz / 16QAM in Ch. 26865 (75RB Size)



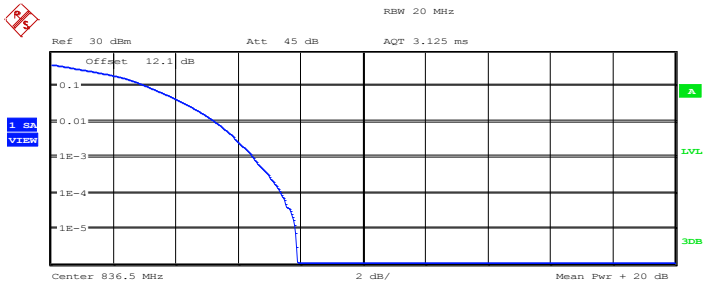
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	21.96 dBm
Peak	29.44 dBm
Crest	7.48 dB
10 %	3.04 dB
1 %	5.10 dB
.1 %	6.22 dB
.01 %	7.08 dB

Date: 15.JUL.2014 19:42:04

Peak-to-Average Ratio on LTE Band 26

15MHz / 16QAM in Ch. 26915 (75RB Size)



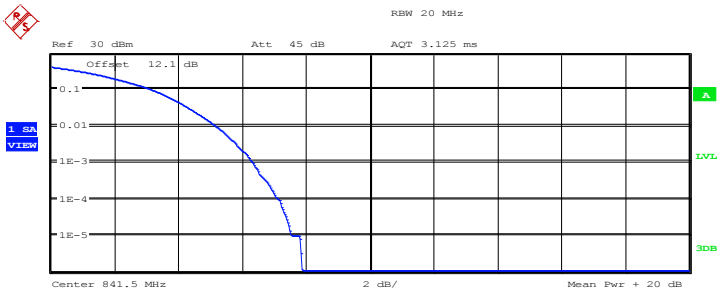
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	22.06 dBm
Peak	29.95 dBm
Crest	7.89 dB
10 %	3.08 dB
1 %	5.26 dB
.1 %	6.47 dB
.01 %	7.37 dB

Date: 15.JUL.2014 19:40:47

Peak-to-Average Ratio on LTE Band 26

15MHz / 16QAM in Ch. 26965 (75RB Size)



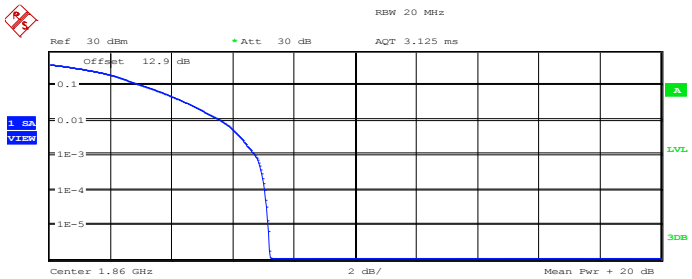
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	22.11 dBm
Peak	29.97 dBm
Crest	7.86 dB
10 %	3.17 dB
1 %	5.16 dB
.1 %	6.31 dB
.01 %	7.15 dB

Date: 15.JUL.2014 19:07:58

Peak-to-Average Ratio on LTE Band 2

20MHz / 16QAM in Ch. 18700 (1RB Size)



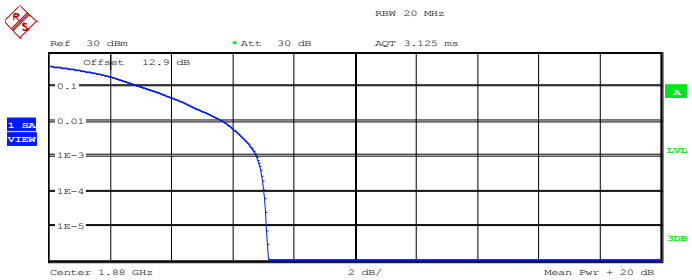
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	23.03 dBm
Peak	30.24 dBm
Crest	7.21 dB
10 %	3.08 dB
1 %	5.61 dB
.1 %	6.73 dB
.01 %	7.05 dB

Date: 19.JUN.2014 01:10:50

Peak-to-Average Ratio on LTE Band 2

20MHz / 16QAM in Ch. 18900 (1RB Size)



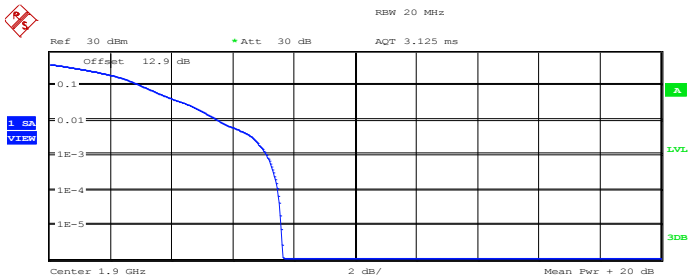
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	22.90 dBm
Peak	30.05 dBm
Crest	7.16 dB
10 %	3.04 dB
1 %	5.71 dB
.1 %	6.76 dB
.01 %	7.02 dB

Date: 19.JUN.2014 01:11:22

Peak-to-Average Ratio on LTE Band 2

20MHz / 16QAM in Ch. 19100 (1RB Size)



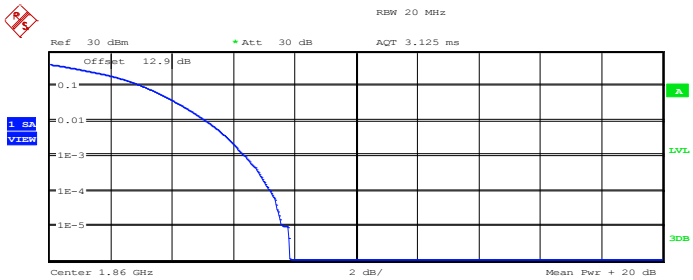
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	22.82 dBm
Peak	30.46 dBm
Crest	7.63 dB
10 %	3.01 dB
1 %	5.51 dB
.1 %	7.12 dB
.01 %	7.47 dB

Date: 19.JUN.2014 01:12:11

Peak-to-Average Ratio on LTE Band 2

20MHz / 16QAM in Ch. 18700 (100RB Size)



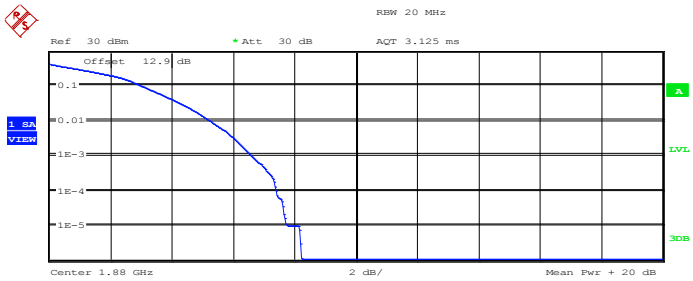
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	22.12 dBm
Peak	29.96 dBm
Crest	7.84 dB
10 %	3.04 dB
1 %	5.13 dB
.1 %	6.38 dB
.01 %	7.21 dB

Date: 19.JUN.2014 01:11:05

Peak-to-Average Ratio on LTE Band 2

20MHz / 16QAM in Ch. 18900 (100RB Size)



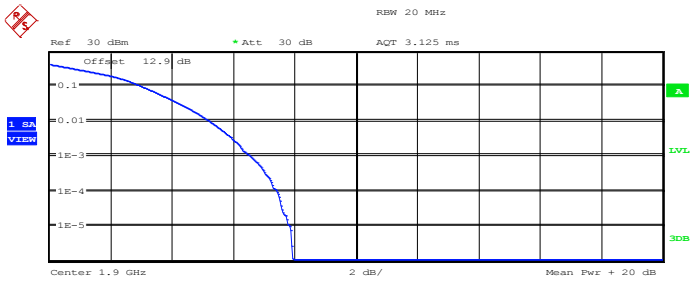
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	22.19 dBm
Peak	30.41 dBm
Crest	8.21 dB
10 %	3.01 dB
1 %	5.22 dB
.1 %	6.57 dB
.01 %	7.40 dB

Date: 19.JUN.2014 01:11:38

Peak-to-Average Ratio on LTE Band 2

20MHz / 16QAM in Ch. 19100 (100RB Size)



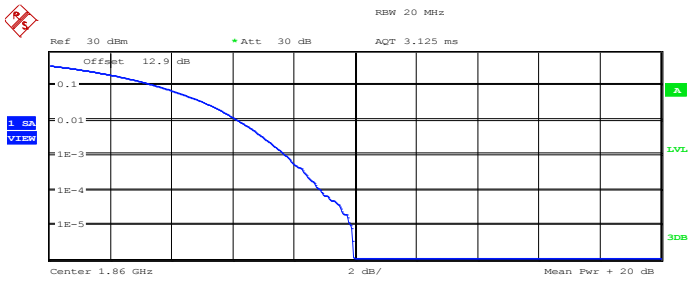
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	22.11 dBm
Peak	30.04 dBm
Crest	7.92 dB
10 %	3.01 dB
1 %	5.22 dB
.1 %	6.54 dB
.01 %	7.40 dB

Date: 19.JUN.2014 01:12:29

Peak-to-Average Ratio on LTE Band 25

20MHz / 16QAM in Ch. 26140 (1RB Size)



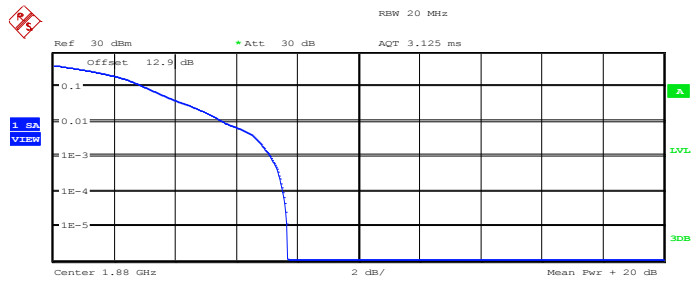
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	-29.15 dBm
Peak	-19.20 dBm
Crest	9.94 dB
10 %	3.53 dB
1 %	6.15 dB
.1 %	7.69 dB
.01 %	8.88 dB

Date: 14.JUL.2014 23:00:09

Peak-to-Average Ratio on LTE Band 25

20MHz / 16QAM in Ch. 26365 (1RB Size)



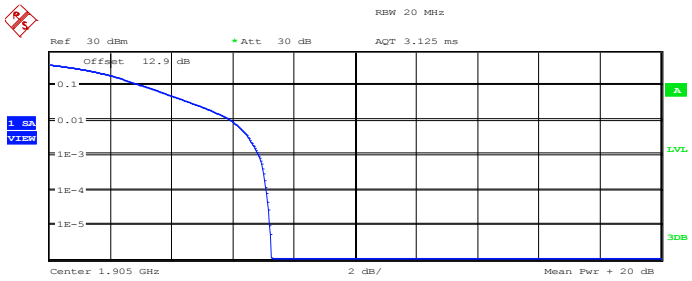
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	22.53 dBm
Peak	30.21 dBm
Crest	7.67 dB
10 %	2.98 dB
1 %	5.54 dB
.1 %	7.12 dB
.01 %	7.53 dB

Date: 14.JUL.2014 23:01:08

Peak-to-Average Ratio on LTE Band 25

20MHz / 16QAM in Ch. 26590 (1RB Size)



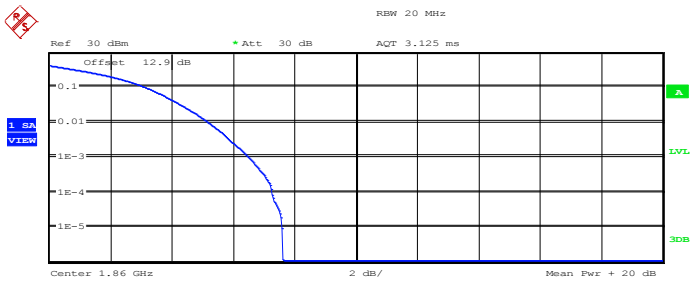
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	22.92 dBm
Peak	30.19 dBm
Crest	7.27 dB
10 %	3.08 dB
1 %	5.93 dB
.1 %	6.86 dB
.01 %	7.08 dB

Date: 8.JUL.2014 22:00:13

Peak-to-Average Ratio on LTE Band 25

20MHz / 16QAM in Ch. 26140 (100RB Size)



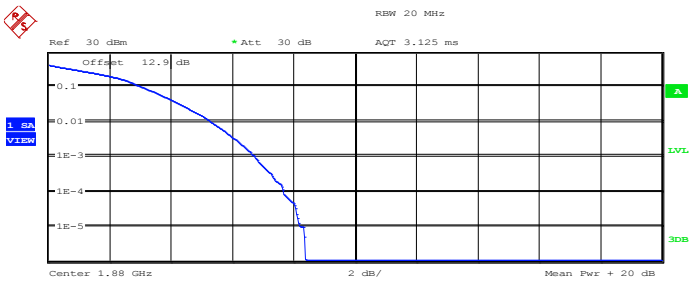
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	22.00 dBm
Peak	29.62 dBm
Crest	7.62 dB
10 %	3.14 dB
1 %	5.16 dB
.1 %	6.47 dB
.01 %	7.24 dB

Date: 14.JUL.2014 23:00:33

Peak-to-Average Ratio on LTE Band 25

20MHz / 16QAM in Ch. 26365 (100RB Size)



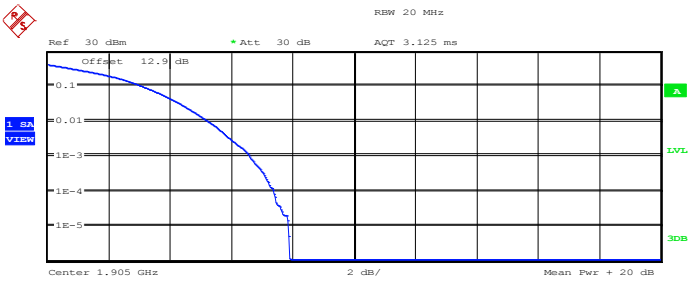
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	22.17 dBm
Peak	30.56 dBm
Crest	8.39 dB
10 %	3.04 dB
1 %	5.29 dB
.1 %	6.73 dB
.01 %	7.66 dB

Date: 14.JUL.2014 23:01:22

Peak-to-Average Ratio on LTE Band 25

20MHz / 16QAM in Ch. 26590 (100RB Size)



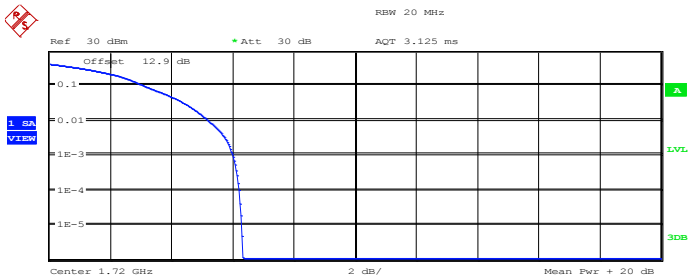
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	22.08 dBm
Peak	29.97 dBm
Crest	7.89 dB
10 %	3.11 dB
1 %	5.22 dB
.1 %	6.57 dB
.01 %	7.37 dB

Date: 8.JUL.2014 22:00:41

Peak-to-Average Ratio on LTE Band 4

20MHz / 16QAM in Ch. 20050 (1RB Size)



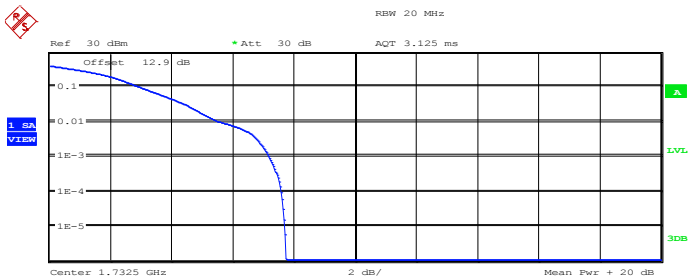
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	21.11 dBm
Peak	27.42 dBm
Crest	6.32 dB
10 %	3.11 dB
1 %	5.19 dB
.1 %	5.99 dB
.01 %	6.22 dB

Date: 19.JUN.2014 22:16:35

Peak-to-Average Ratio on LTE Band 4

20MHz / 16QAM in Ch. 20175 (1RB Size)



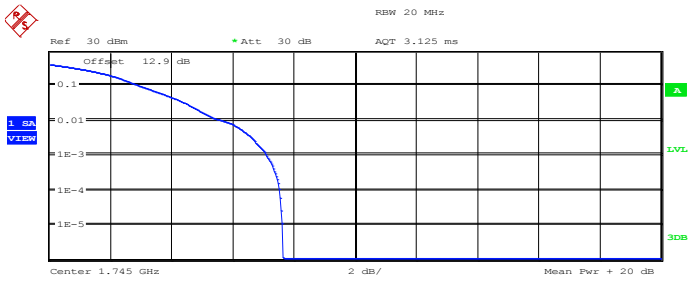
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	21.12 dBm
Peak	28.86 dBm
Crest	7.73 dB
10 %	2.95 dB
1 %	5.58 dB
.1 %	7.18 dB
.01 %	7.60 dB

Date: 19.JUN.2014 22:17:12

Peak-to-Average Ratio on LTE Band 4

20MHz / 16QAM in Ch. 20300 (1RB Size)



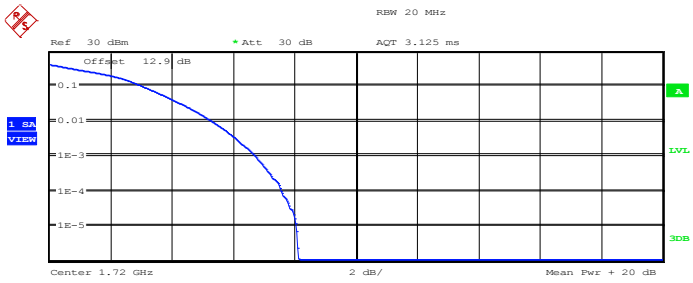
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	20.98 dBm
Peak	28.62 dBm
Crest	7.64 dB
10 %	2.95 dB
1 %	5.67 dB
.1 %	7.12 dB
.01 %	7.53 dB

Date: 19.JUN.2014 22:18:01

Peak-to-Average Ratio on LTE Band 4

20MHz / 16QAM in Ch. 20050 (100RB Size)



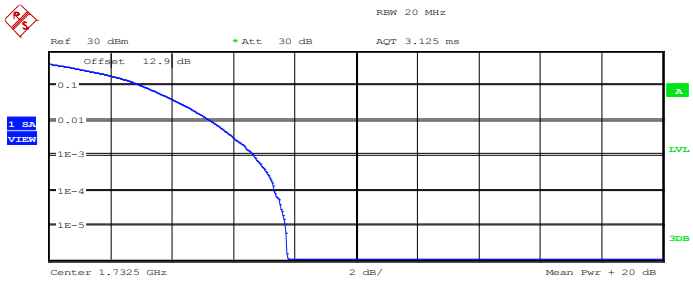
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	20.23 dBm
Peak	28.34 dBm
Crest	8.11 dB
10 %	3.04 dB
1 %	5.29 dB
.1 %	6.70 dB
.01 %	7.56 dB

Date: 19.JUN.2014 22:16:51

Peak-to-Average Ratio on LTE Band 4

20MHz / 16QAM in Ch. 20175 (100RB Size)



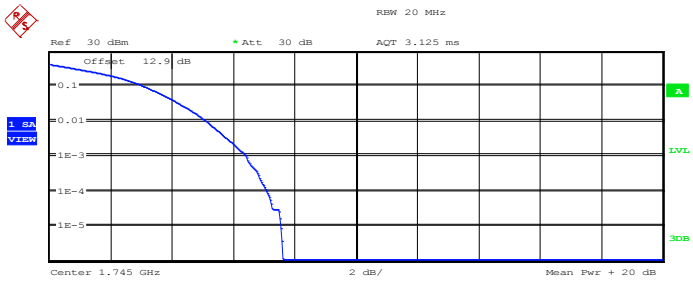
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	20.18 dBm
Peak	27.94 dBm
Crest	7.75 dB
10 %	3.04 dB
1 %	5.26 dB
.1 %	6.67 dB
.01 %	7.34 dB

Date: 19.JUN.2014 22:17:37

Peak-to-Average Ratio on LTE Band 4

20MHz / 16QAM in Ch. 20300 (100RB Size)



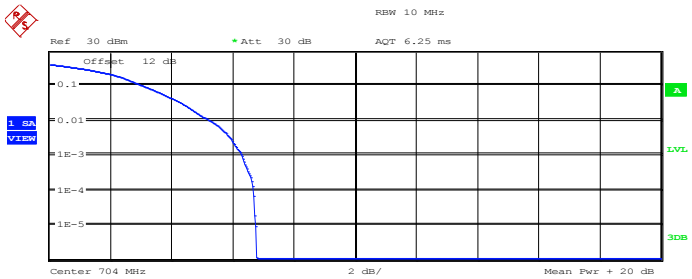
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	20.10 dBm
Peak	27.71 dBm
Crest	7.61 dB
10 %	3.08 dB
1 %	5.10 dB
.1 %	6.41 dB
.01 %	7.08 dB

Date: 19.JUN.2014 22:18:19

Peak-to-Average Ratio on LTE Band 12

10MHz / 16QAM in Ch. 23060 (1RB Size)



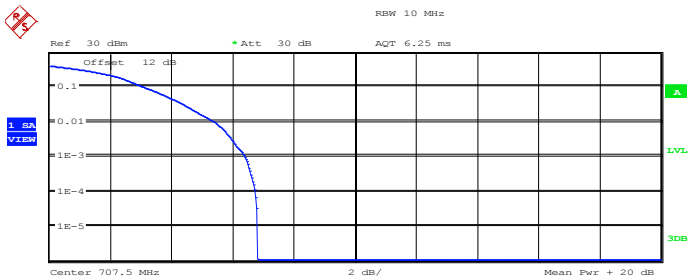
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	20.57 dBm
Peak	27.35 dBm
Crest	6.78 dB
10 %	3.04 dB
1 %	5.26 dB
.1 %	6.31 dB
.01 %	6.67 dB

Date: 20.JUN.2014 00:06:40

Peak-to-Average Ratio on LTE Band 12

10MHz / 16QAM in Ch. 23095 (1RB Size)



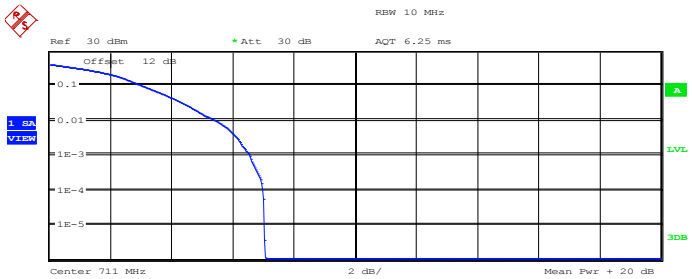
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	20.79 dBm
Peak	27.60 dBm
Crest	6.81 dB
10 %	3.11 dB
1 %	5.38 dB
.1 %	6.38 dB
.01 %	6.73 dB

Date: 20.JUN.2014 00:06:55

Peak-to-Average Ratio on LTE Band 12

10MHz / 16QAM in Ch. 23130 (1RB Size)



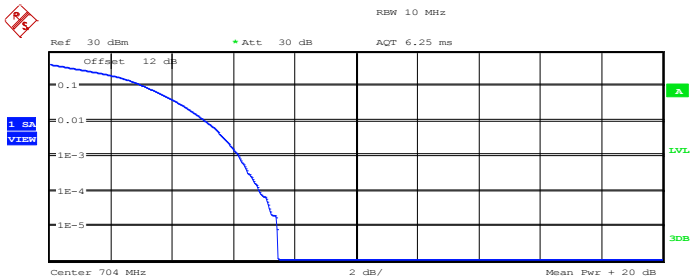
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	20.66 dBm
Peak	27.71 dBm
Crest	7.04 dB
10 %	3.04 dB
1 %	5.42 dB
.1 %	6.54 dB
.01 %	6.99 dB

Date: 20.JUN.2014 00:07:54

Peak-to-Average Ratio on LTE Band 12

10MHz / 16QAM in Ch. 23060 (50RB Size)



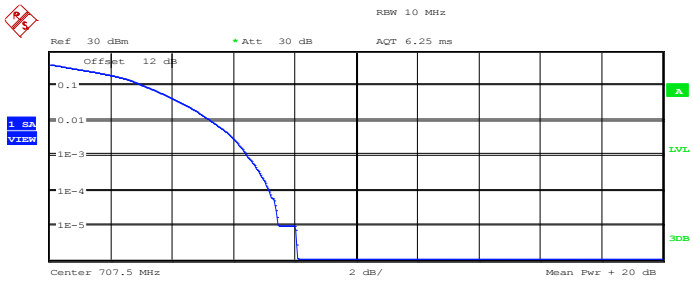
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	19.90 dBm
Peak	27.35 dBm
Crest	7.45 dB
10 %	3.08 dB
1 %	5.06 dB
.1 %	6.19 dB
.01 %	6.83 dB

Date: 20.JUN.2014 00:06:25

Peak-to-Average Ratio on LTE Band 12

10MHz / 16QAM in Ch. 23095 (50RB Size)



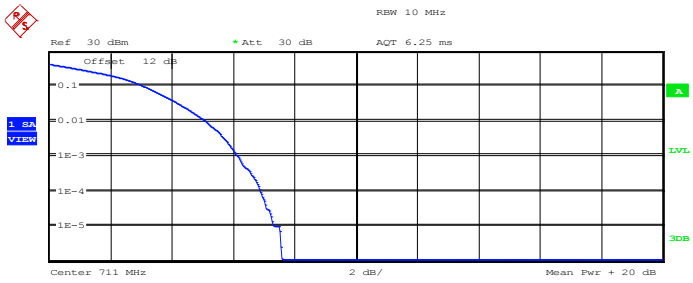
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	19.94 dBm
Peak	28.03 dBm
Crest	8.08 dB
10 %	3.08 dB
1 %	5.26 dB
.1 %	6.44 dB
.01 %	7.15 dB

Date: 20.JUN.2014 00:07:12

Peak-to-Average Ratio on LTE Band 12

10MHz / 16QAM in Ch. 23130 (50RB Size)



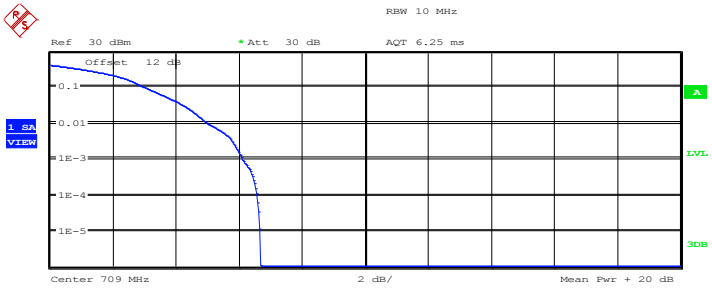
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	20.00 dBm
Peak	27.57 dBm
Crest	7.57 dB
10 %	3.08 dB
1 %	5.06 dB
.1 %	6.12 dB
.01 %	6.89 dB

Date: 20.JUN.2014 00:07:28

Peak-to-Average Ratio on LTE Band 17

10MHz / 16QAM in Ch. 23780 (1RB Size)



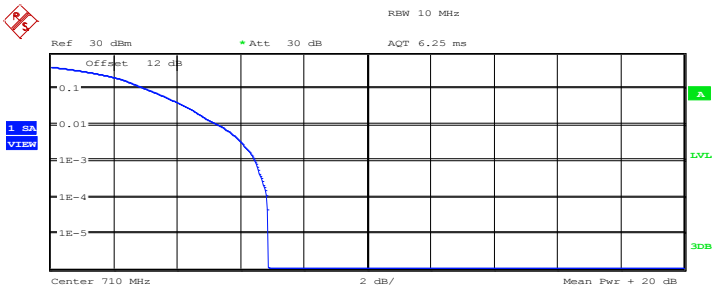
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	22.71 dBm
Peak	29.39 dBm
Crest	6.67 dB
10 %	3.01 dB
1 %	5.00 dB
.1 %	6.12 dB
.01 %	6.57 dB

Date: 19.JUN.2014 01:54:07

Peak-to-Average Ratio on LTE Band 17

10MHz / 16QAM in Ch. 23790 (1RB Size)



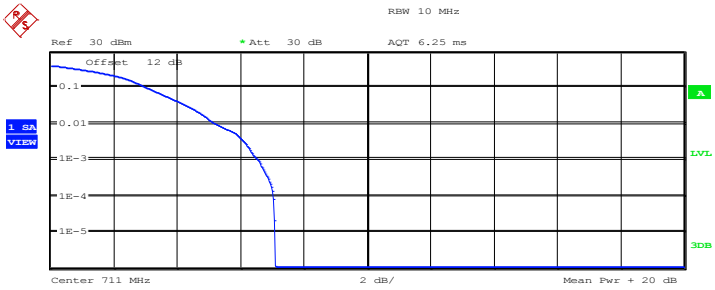
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	22.95 dBm
Peak	29.82 dBm
Crest	6.87 dB
10 %	3.01 dB
1 %	5.29 dB
.1 %	6.44 dB
.01 %	6.83 dB

Date: 19.JUN.2014 01:54:47

Peak-to-Average Ratio on LTE Band 17

10MHz / 16QAM in Ch. 23800 (1RB Size)



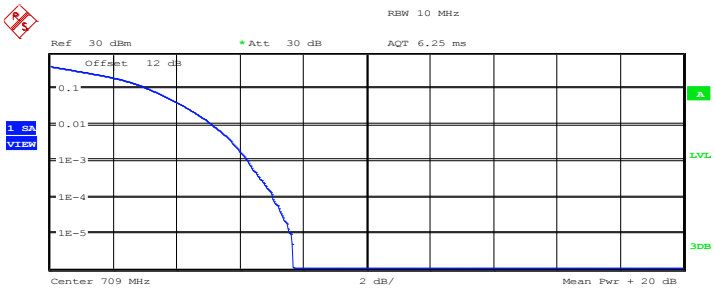
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	22.74 dBm
Peak	29.83 dBm
Crest	7.08 dB
10 %	3.04 dB
1 %	5.22 dB
.1 %	6.54 dB
.01 %	7.05 dB

Date: 19.JUN.2014 01:55:20

Peak-to-Average Ratio on LTE Band 17

10MHz / 16QAM in Ch. 23780 (50RB Size)



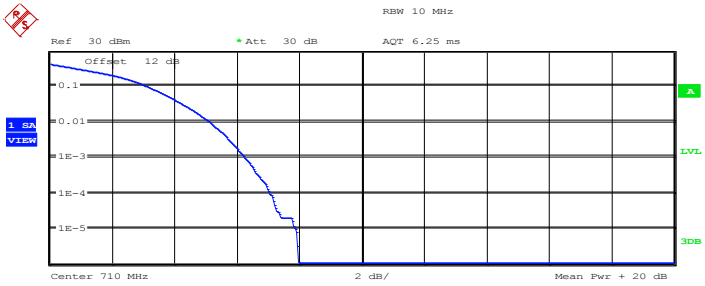
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	22.06 dBm
Peak	29.74 dBm
Crest	7.68 dB
10 %	3.14 dB
1 %	5.13 dB
.1 %	6.25 dB
.01 %	7.05 dB

Date: 19.JUN.2014 01:54:24

Peak-to-Average Ratio on LTE Band 17

10MHz / 16QAM in Ch. 23790 (50RB Size)



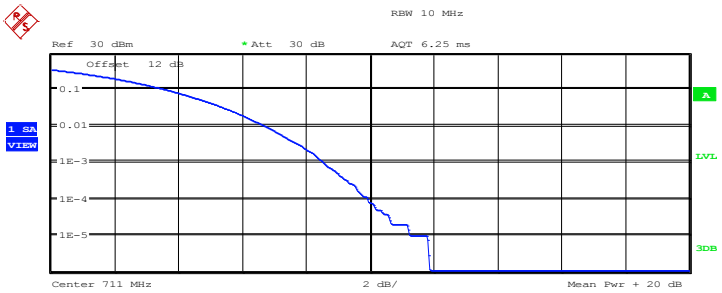
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	22.07 dBm
Peak	30.03 dBm
Crest	7.96 dB
10 %	3.11 dB
1 %	5.10 dB
.1 %	6.22 dB
.01 %	7.02 dB

Date: 19.JUN.2014 01:55:03

Peak-to-Average Ratio on LTE Band 17

10MHz / 16QAM in Ch. 23800 (50RB Size)



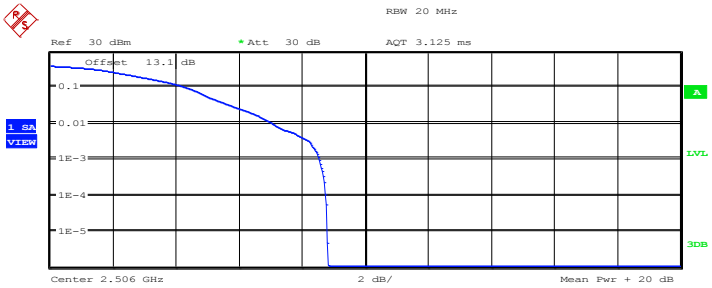
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	-37.49 dBm
Peak	-25.63 dBm
Crest	11.86 dB
10 %	3.65 dB
1 %	6.70 dB
.1 %	8.53 dB
.01 %	9.94 dB

Date: 19.JUN.2014 01:55:44

Peak-to-Average Ratio on LTE Band 41

20MHz / 16QAM in Ch. 39750 (1RB Size)



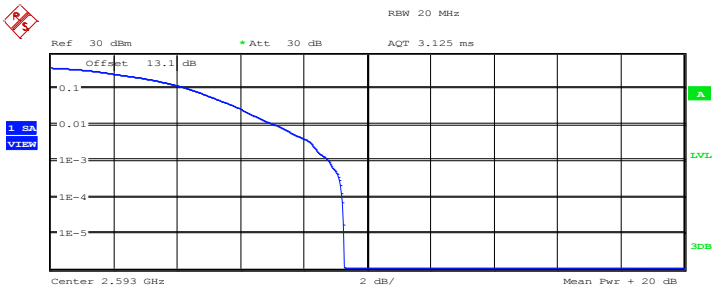
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	20.55 dBm
Peak	29.35 dBm
Crest	8.80 dB
10 %	4.33 dB
1 %	7.05 dB
.1 %	8.56 dB
.01 %	8.75 dB

Date: 8.JUL.2014 22:23:44

Peak-to-Average Ratio on LTE Band 41

20MHz / 16QAM in Ch. 40620 (1RB Size)



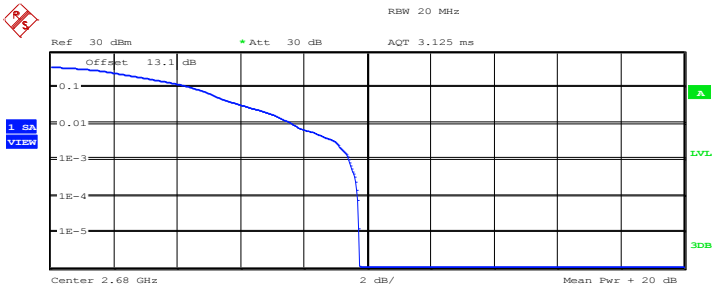
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	20.99 dBm
Peak	30.25 dBm
Crest	9.26 dB
10 %	4.39 dB
1 %	7.12 dB
.1 %	8.78 dB
.01 %	9.20 dB

Date: 8.JUL.2014 22:22:36

Peak-to-Average Ratio on LTE Band 41

20MHz / 16QAM in Ch. 41490 (1RB Size)



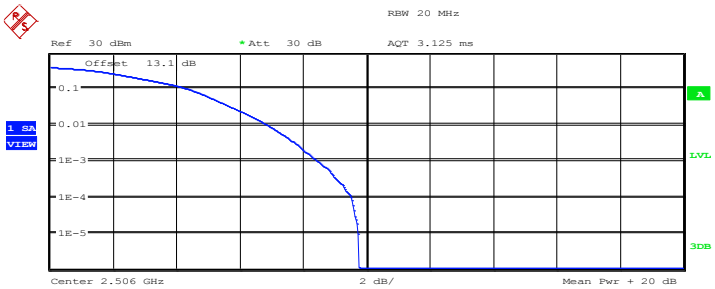
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	20.25 dBm
Peak	29.99 dBm
Crest	9.73 dB
10 %	4.49 dB
1 %	7.63 dB
.1 %	9.42 dB
.01 %	9.71 dB

Date: 8.JUL.2014 22:22:04

Peak-to-Average Ratio on LTE Band 41

20MHz / 16QAM in Ch. 39750 (100RB Size)



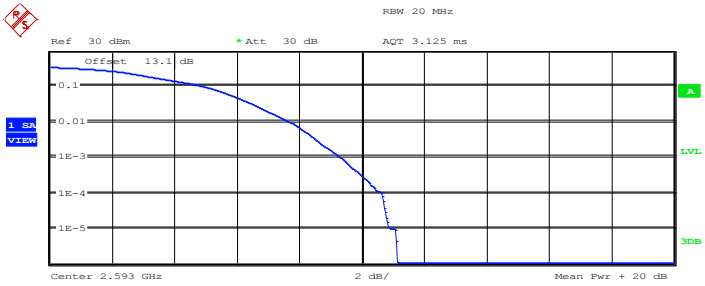
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	19.94 dBm
Peak	29.70 dBm
Crest	9.76 dB
10 %	4.39 dB
1 %	6.86 dB
.1 %	8.43 dB
.01 %	9.52 dB

Date: 8.JUL.2014 22:23:29

Peak-to-Average Ratio on LTE Band 41

20MHz / 16QAM in Ch. 40620 (100RB Size)



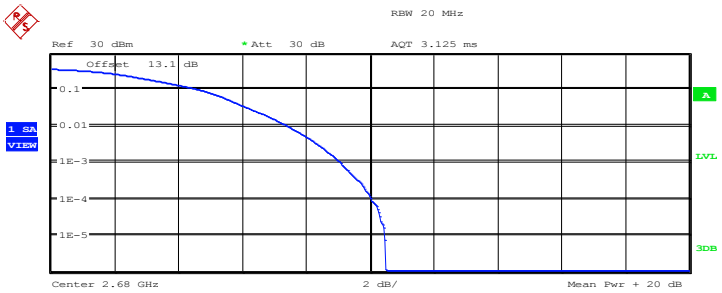
Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	19.26 dBm
Peak	30.39 dBm
Crest	11.13 dB
10 %	4.97 dB
1 %	7.69 dB
.1 %	9.33 dB
.01 %	10.61 dB

Date: 8.JUL.2014 22:22:51

Peak-to-Average Ratio on LTE Band 41

20MHz / 16QAM in Ch. 41490 (100RB Size)



Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	19.22 dBm
Peak	29.70 dBm
Crest	10.49 dB
10 %	4.68 dB
1 %	7.44 dB
.1 %	9.07 dB
.01 %	10.03 dB

Date: 8.JUL.2014 22:21:48

3.3 Effective Radiated Power and Equivalent Isotropic Radiated Power Measurement

3.3.1 Description of the ERP/EIRP Measurement

Effective radiated power output measurements by substitution method according to ANSI / TIA / EIA-603-C-2004, and the spectrum analyzer configuration follows KDB 971168 D01 Power Meas. License Digital Systems v02r01. 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 12 / 17.

Equivalent isotropic radiated power output measurements by substitution method according to ANSI / TIA / EIA-603-C-2004, and the spectrum analyzer configuration follows KDB 971168 D01 Power Meas. License Digital Systems v02r01. Mobile and portable (hand-held) stations operating are limited to average EIRP of 2 watts with LTE band 2 / 25 / 41 and 1 watt with LTE band 4.

3.3.2 Measuring Instruments

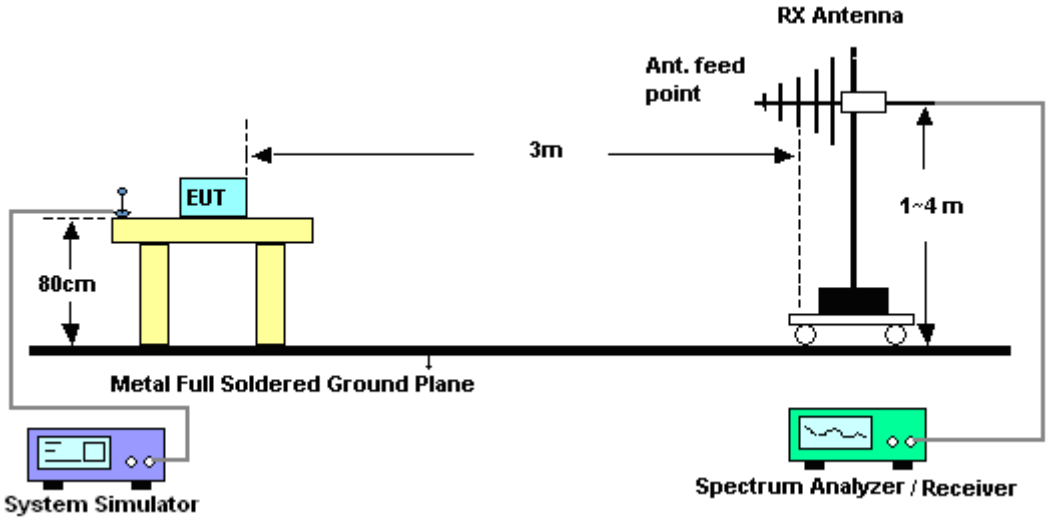
The measuring equipment is listed in the section 4 of this test report.

3.3.3 Test Procedures

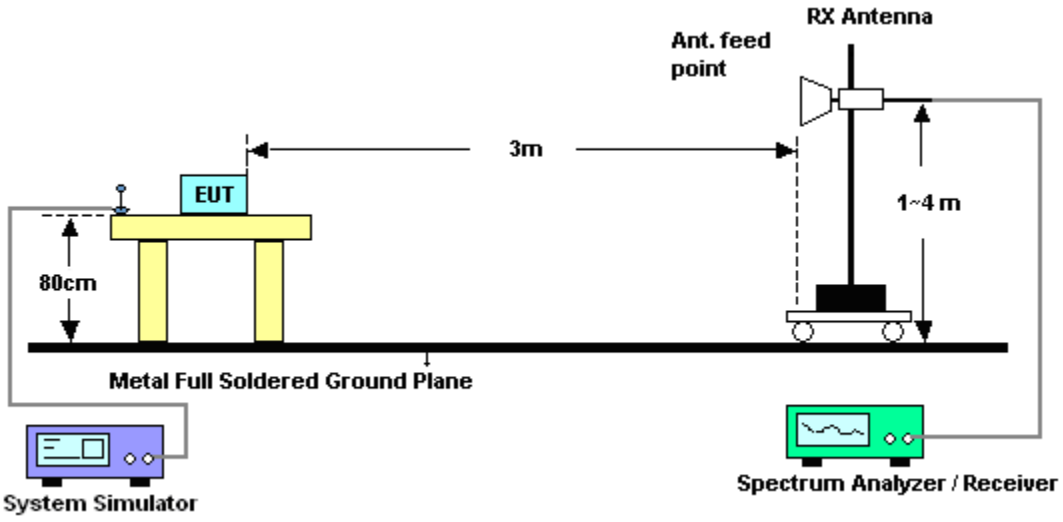
1. The testing follows FCC KDB 971168 v02r01 Section 5.2.1.
2. The EUT was placed on a non-conductive rotating platform 0.8 meters high in a semi-anechoic chamber. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and a spectrum analyzer with RMS detector per section 5. of KDB 971168 D01.
3. 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.
4. Effective Isotropic Radiated Power (EIRP) was measured by substitution method according to TIA/EIA-603-C. The EUT was replaced by dipole antenna (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 + Correction factor and ERP = EIRP – 2.15.

3.3.4 Test Setup

For Effective Radiated Power



For Equivalent Isotropic Radiated Power



3.3.5 Test Result of ERP/EIRP

LTE Band 5 Radiated Power ERP for BW 1.4MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
824.70	-18.97	31.54	10.42	0.01
836.50	-19.28	32.04	10.61	0.01
848.30	-19.19	32.59	11.25	0.01
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
824.70	-10.87	32.93	19.91	0.10
836.50	-10.99	32.82	19.68	0.09
848.30	-11.11	33.62	20.36	0.11

LTE Band 5 Radiated Power ERP for BW 1.4MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
824.70	-21.51	31.54	7.88	0.01
836.50	-21.15	32.04	8.74	0.01
848.30	-21.81	32.59	8.63	0.01
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
824.70	-13.54	32.93	17.24	0.05
836.50	-13.63	32.82	17.04	0.05
848.30	-14.56	33.62	16.91	0.05

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

LTE Band 5 Radiated Power ERP for BW 3MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
825.50	-18.95	31.54	10.44	0.01
836.50	-19.40	32.04	10.49	0.01
847.50	-19.32	32.59	11.12	0.01
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
825.50	-11.08	32.93	19.70	0.09
836.50	-10.90	32.82	19.77	0.09
847.50	-11.26	33.62	20.21	0.10

LTE Band 5 Radiated Power ERP for BW 3MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
825.50	-21.48	31.44	7.81	0.01
836.50	-21.14	32.04	8.75	0.01
847.50	-22.06	32.63	8.42	0.01
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
825.50	-13.54	32.78	17.09	0.05
836.50	-13.58	32.82	17.09	0.05
847.50	-13.61	33.40	17.64	0.06

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

LTE Band 5 Radiated Power ERP for BW 5MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
826.50	-18.94	31.44	10.35	0.01
836.50	-19.27	32.04	10.62	0.01
846.50	-19.39	32.63	11.09	0.01
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
826.50	-10.82	32.78	19.81	0.10
836.50	-10.99	32.82	19.68	0.09
846.50	-11.22	33.40	20.03	0.10

LTE Band 5 Radiated Power ERP for BW 5MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
826.50	-21.46	31.44	7.83	0.01
836.50	-21.27	32.04	8.62	0.01
846.50	-21.98	32.63	8.50	0.01
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
826.50	-13.56	32.78	17.07	0.05
836.50	-13.57	32.82	17.10	0.05
846.50	-13.77	33.40	17.48	0.06

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

LTE Band 5 Radiated Power ERP for BW 10MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
829.00	-18.90	31.44	10.39	0.01
836.50	-19.27	32.04	10.62	0.01
844.00	-19.30	32.63	11.18	0.01
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
829.00	-10.62	32.78	20.01	0.10
836.50	-11.12	32.82	19.55	0.09
844.00	-11.77	33.40	19.48	0.09

LTE Band 5 Radiated Power ERP for BW 10MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
829.00	-21.40	31.44	7.89	0.01
836.50	-21.65	32.04	8.24	0.01
844.00	-21.92	32.63	8.56	0.01
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
829.00	-13.44	32.78	17.19	0.05
836.50	-13.76	32.82	16.91	0.05
844.00	-14.24	33.40	17.01	0.05

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

LTE Band 26 Radiated Power ERP for BW 1.4MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
824.70	-18.52	31.54	10.87	0.01
836.50	-17.95	32.04	11.94	0.02
848.30	-18.44	32.59	12.00	0.02
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
824.70	-10.25	32.93	20.53	0.11
836.50	-10.23	32.82	20.44	0.11
848.30	-10.78	33.62	20.69	0.12

LTE Band 26 Radiated Power ERP for BW 1.4MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
824.70	-20.97	31.54	8.42	0.01
836.50	-20.61	32.04	9.28	0.01
848.30	-21.21	32.59	9.23	0.01
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
824.70	-12.73	32.93	18.05	0.06
836.50	-12.77	32.82	17.90	0.06
848.30	-13.46	33.62	18.01	0.06

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

LTE Band 26 Radiated Power ERP for BW 3MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
825.50	-18.57	31.54	10.82	0.01
836.50	-18.10	32.04	11.79	0.02
847.50	-18.52	32.59	11.92	0.02
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
825.50	-10.29	32.93	20.49	0.11
836.50	-10.20	32.82	20.47	0.11
847.50	-10.79	33.62	20.68	0.12

LTE Band 26 Radiated Power ERP for BW 3MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
825.50	-20.70	31.44	8.59	0.01
836.50	-20.57	32.04	9.32	0.01
847.50	-21.23	32.63	9.25	0.01
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
825.50	-12.73	32.78	17.90	0.06
836.50	-12.76	32.82	17.91	0.06
847.50	-13.87	33.40	17.38	0.05

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

LTE Band 26 Radiated Power ERP for BW 5MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
826.50	-18.91	31.44	10.38	0.01
836.50	-18.10	32.04	11.79	0.02
846.50	-18.81	32.63	11.67	0.01
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
826.50	-10.75	32.78	19.88	0.10
836.50	-10.37	32.82	20.30	0.11
846.50	-10.75	33.40	20.50	0.11

LTE Band 26 Radiated Power ERP for BW 5MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
826.50	-21.56	31.44	7.73	0.01
836.50	-20.83	32.04	9.06	0.01
846.50	-21.08	32.63	9.40	0.01
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
826.50	-13.32	32.78	17.31	0.05
836.50	-12.88	32.82	17.79	0.06
846.50	-13.44	33.40	17.81	0.06

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

LTE Band 26 Radiated Power ERP for BW 10MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
829.00	-18.71	31.44	10.58	0.01
836.50	-18.42	32.04	11.47	0.01
844.00	-18.83	32.63	11.65	0.01
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
829.00	-10.63	32.78	20.00	0.10
836.50	-10.46	32.82	20.21	0.10
844.00	-11.35	33.40	19.90	0.10

LTE Band 26 Radiated Power ERP for BW 10MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
829.00	-21.47	31.44	7.82	0.01
836.50	-21.10	32.04	8.79	0.01
844.00	-21.56	32.63	8.92	0.01
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
829.00	-13.08	32.78	17.55	0.06
836.50	-13.01	32.82	17.66	0.06
844.00	-13.97	33.40	17.28	0.05

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

LTE Band 26 Radiated Power ERP for BW 15MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
831.50	-18.93	31.43	10.35	0.01
836.50	-18.88	32.04	11.01	0.01
841.50	-19.26	32.62	11.21	0.01
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
831.50	-10.64	32.77	19.98	0.10
836.50	-10.48	32.82	20.19	0.10
841.50	-11.33	33.39	19.91	0.10

LTE Band 26 Radiated Power ERP for BW 15MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
831.50	-21.51	31.43	7.77	0.01
836.50	-21.44	32.04	8.45	0.01
841.50	-21.96	32.62	8.51	0.01
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
831.50	-13.23	32.77	17.39	0.05
836.50	-13.05	32.82	17.62	0.06
841.50	-13.98	33.39	17.26	0.05

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

LTE Band 2 Radiated Power EIRP for BW 1.4MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1850.70	-25.63	45.68	20.05	0.10
1880.00	-26.44	46.01	19.57	0.09
1909.30	-25.71	45.76	20.05	0.10
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1850.70	-23.86	49.18	25.32	0.34
1880.00	-25.45	50.42	24.97	0.31
1909.30	-23.56	48.94	25.38	0.35

LTE Band 2 Radiated Power EIRP for BW 1.4MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1850.70	-26.71	45.68	18.97	0.08
1880.00	-27.36	46.01	18.65	0.07
1909.30	-27.34	45.76	18.42	0.07
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1850.70	-24.69	49.18	24.49	0.28
1880.00	-25.95	50.42	24.47	0.28
1909.30	-24.04	48.94	24.90	0.31

LTE Band 2 Radiated Power EIRP for BW 3MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1851.50	-25.75	45.76	20.01	0.10
1880.00	-26.43	46.01	19.58	0.09
1908.50	-25.88	45.95	20.07	0.10
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1851.50	-23.73	49.03	25.30	0.34
1880.00	-25.25	50.42	25.17	0.33
1908.50	-24.03	48.86	24.83	0.30

LTE Band 2 Radiated Power EIRP for BW 3MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1851.50	-26.47	45.76	19.29	0.08
1880.00	-27.43	46.01	18.58	0.07
1908.50	-26.96	45.95	18.99	0.08
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1851.50	-24.41	49.03	24.62	0.29
1880.00	-26.02	50.42	24.40	0.28
1908.50	-23.65	48.86	25.21	0.33

LTE Band 2 Radiated Power EIRP for BW 5MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1852.50	-25.98	46.11	20.13	0.10
1880.00	-26.43	46.04	19.61	0.09
1907.50	-26.37	46.14	19.77	0.09
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1852.50	-23.94	49.17	25.23	0.33
1880.00	-25.30	50.42	25.12	0.33
1907.50	-23.10	48.78	25.68	0.37

LTE Band 2 Radiated Power EIRP for BW 5MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1852.50	-27.18	46.11	18.93	0.08
1880.00	-27.59	46.04	18.45	0.07
1907.50	-27.40	46.14	18.74	0.07
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1852.50	-25.02	49.17	24.15	0.26
1880.00	-25.98	50.42	24.44	0.28
1907.50	-24.00	48.78	24.78	0.30

LTE Band 2 Radiated Power EIRP for BW 10MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1855.00	-26.19	46.10	19.91	0.10
1880.00	-26.43	46.01	19.58	0.09
1905.00	-26.45	46.39	19.94	0.10
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1855.00	-24.79	49.73	24.94	0.31
1880.00	-25.37	50.42	25.05	0.32
1905.00	-23.20	48.30	25.10	0.32

LTE Band 2 Radiated Power EIRP for BW 10MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1855.00	-27.17	46.10	18.93	0.08
1880.00	-27.37	46.01	18.64	0.07
1905.00	-27.35	46.39	19.04	0.08
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1855.00	-25.36	49.73	24.37	0.27
1880.00	-25.94	50.42	24.48	0.28
1905.00	-23.33	48.30	24.97	0.31

LTE Band 2 Radiated Power EIRP for BW 15MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1857.50	-26.11	46.24	20.13	0.10
1880.00	-26.38	46.01	19.63	0.09
1902.50	-26.29	46.18	19.89	0.10
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1857.50	-24.32	49.68	25.36	0.34
1880.00	-24.93	50.42	25.49	0.35
1902.50	-23.16	48.20	25.04	0.32

LTE Band 2 Radiated Power EIRP for BW 15MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1857.50	-27.22	46.24	19.02	0.08
1880.00	-27.21	46.01	18.80	0.08
1902.50	-27.44	46.18	18.74	0.07
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1857.50	-25.67	49.68	24.01	0.25
1880.00	-25.75	50.42	24.67	0.29
1902.50	-23.23	48.20	24.97	0.31

LTE Band 2 Radiated Power EIRP for BW 20MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1860.00	-26.76	46.88	20.12	0.10
1880.00	-26.41	46.01	19.60	0.09
1900.00	-26.52	46.57	20.05	0.10
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1860.00	-24.37	49.69	25.32	0.34
1880.00	-25.28	50.42	25.14	0.33
1900.00	-23.75	48.87	25.12	0.33

LTE Band 2 Radiated Power EIRP for BW 20MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1860.00	-27.59	46.88	19.29	0.08
1880.00	-27.33	46.01	18.68	0.07
1900.00	-27.56	46.57	19.01	0.08
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1860.00	-25.05	49.69	24.64	0.29
1880.00	-25.96	50.42	24.46	0.28
1900.00	-23.82	48.87	25.05	0.32

LTE Band 25 Radiated Power EIRP for BW 1.4MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1850.70	-25.13	45.72	20.59	0.11
1882.50	-26.17	46.39	20.22	0.11
1914.30	-25.94	46.08	20.14	0.10
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1850.70	-23.34	49.22	25.88	0.39
1882.50	-24.30	50.07	25.77	0.38
1914.30	-22.92	49.21	26.29	0.43

LTE Band 25 Radiated Power EIRP for BW 1.4MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1850.70	-26.41	45.72	19.31	0.09
1882.50	-27.35	46.39	19.04	0.08
1914.30	-27.03	46.08	19.05	0.08
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1850.70	-24.55	49.22	24.67	0.29
1882.50	-25.87	50.07	24.20	0.26
1914.30	-24.18	49.21	25.03	0.32

LTE Band 25 Radiated Power EIRP for BW 3MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1851.50	-25.31	45.85	20.54	0.11
1882.50	-26.24	46.39	20.15	0.10
1913.50	-26.18	46.45	20.27	0.11
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1851.50	-23.22	49.12	25.90	0.39
1882.50	-24.29	50.07	25.78	0.38
1913.50	-23.00	49.48	26.48	0.44

LTE Band 25 Radiated Power EIRP for BW 3MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1851.50	-26.51	45.85	19.34	0.09
1882.50	-27.45	46.39	18.94	0.08
1913.50	-27.34	46.45	19.11	0.08
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1851.50	-24.38	49.12	24.74	0.30
1882.50	-25.86	50.07	24.21	0.26
1913.50	-24.22	49.48	25.26	0.34

LTE Band 25 Radiated Power EIRP for BW 5MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1852.50	-25.67	46.20	20.53	0.11
1882.50	-26.23	46.39	20.16	0.10
1912.50	-26.21	46.63	20.42	0.11
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1852.50	-23.36	49.26	25.90	0.39
1882.50	-24.28	50.07	25.79	0.38
1912.50	-23.03	49.53	26.50	0.45

LTE Band 25 Radiated Power EIRP for BW 5MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1852.50	-26.88	46.20	19.32	0.09
1882.50	-27.40	46.39	18.99	0.08
1912.50	-27.46	46.63	19.17	0.08
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1852.50	-24.58	49.26	24.68	0.29
1882.50	-25.86	50.07	24.21	0.26
1912.50	-24.27	49.53	25.26	0.34

LTE Band 25 Radiated Power EIRP for BW 10MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1855.00	-25.63	46.07	20.44	0.11
1882.50	-26.20	46.39	20.19	0.10
1910.00	-25.12	45.55	20.43	0.11
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1855.00	-23.76	49.70	25.94	0.39
1882.50	-24.40	50.07	25.67	0.37
1910.00	-22.77	49.11	26.34	0.43

LTE Band 25 Radiated Power EIRP for BW 10MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1855.00	-26.80	46.07	19.27	0.08
1882.50	-27.41	46.39	18.98	0.08
1910.00	-26.28	45.55	19.27	0.08
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1855.00	-25.46	49.70	24.24	0.27
1882.50	-25.68	50.07	24.39	0.27
1910.00	-23.90	49.11	25.21	0.33

LTE Band 25 Radiated Power EIRP for BW 15MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1857.50	-25.72	46.24	20.52	0.11
1882.50	-26.11	46.39	20.28	0.11
1907.50	-25.65	46.14	20.49	0.11
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1857.50	-23.73	49.68	25.95	0.39
1882.50	-24.54	50.07	25.53	0.36
1907.50	-21.65	48.16	26.51	0.45

LTE Band 25 Radiated Power EIRP for BW 15MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1857.50	-26.88	46.24	19.36	0.09
1882.50	-27.21	46.39	19.18	0.08
1907.50	-26.80	46.14	19.34	0.09
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1857.50	-24.87	49.68	24.81	0.30
1882.50	-25.70	50.07	24.37	0.27
1907.50	-22.85	48.16	25.31	0.34

LTE Band 25 Radiated Power EIRP for BW 20MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1860.00	-26.40	46.88	20.48	0.11
1882.50	-26.14	46.39	20.25	0.11
1905.00	-26.27	46.56	20.29	0.11
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1860.00	-23.91	49.68	25.77	0.38
1882.50	-24.28	50.07	25.79	0.38
1905.00	-21.92	48.13	26.21	0.42

LTE Band 25 Radiated Power EIRP for BW 20MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1860.00	-27.59	46.88	19.29	0.08
1882.50	-27.32	46.39	19.07	0.08
1905.00	-27.40	46.56	19.16	0.08
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1860.00	-24.99	49.68	24.69	0.29
1882.50	-25.77	50.07	24.30	0.27
1905.00	-23.05	48.13	25.08	0.32

LTE Band 12 Radiated Power ERP for BW 1.4MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
699.70	-22.13	32.74	8.46	0.01
707.50	-21.76	32.45	8.54	0.01
715.30	-21.18	32.03	8.70	0.01
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
699.70	-12.72	36.16	21.29	0.13
707.50	-12.38	36.04	21.51	0.14
715.30	-11.32	35.08	21.61	0.14

LTE Band 12 Radiated Power ERP for BW 1.4MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
699.70	-24.33	32.74	6.26	0.004
707.50	-24.26	32.45	6.04	0.004
715.30	-24.41	32.03	5.47	0.004
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
699.70	-15.07	36.16	18.94	0.08
707.50	-15.66	36.04	18.23	0.07
715.30	-13.18	35.08	19.75	0.09

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

LTE Band 12 Radiated Power ERP for BW 3MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
700.50	-21.76	32.80	8.89	0.01
707.50	-21.37	32.45	8.93	0.01
714.50	-20.94	32.04	8.95	0.01
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
700.50	-13.09	35.94	20.70	0.12
707.50	-12.71	36.04	21.18	0.13
714.50	-12.77	35.24	20.32	0.11

LTE Band 12 Radiated Power ERP for BW 3MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
700.50	-24.36	32.8	6.29	0.004
707.50	-24.16	32.45	6.14	0.004
714.50	-24.31	32.04	5.58	0.004
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
700.50	-14.92	35.94	18.87	0.08
707.50	-14.61	36.04	19.28	0.08
714.50	-13.70	35.24	19.39	0.09

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

LTE Band 12 Radiated Power ERP for BW 5MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
701.50	-22.10	32.83	8.58	0.01
707.50	-21.40	32.45	8.90	0.01
713.50	-21.21	32.07	8.71	0.01
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
701.50	-12.81	35.94	20.98	0.13
707.50	-11.93	36.04	21.96	0.16
713.50	-12.32	35.15	20.68	0.12

LTE Band 12 Radiated Power ERP for BW 5MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
701.50	-24.33	32.83	6.35	0.004
707.50	-23.87	32.45	6.43	0.004
713.50	-24.31	32.07	5.61	0.004
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
701.50	-14.55	35.94	19.24	0.08
707.50	-14.73	36.04	19.16	0.08
713.50	-13.92	35.15	19.08	0.08

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

LTE Band 12 Radiated Power ERP for BW 10MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
704.00	-22.14	32.82	8.53	0.01
707.50	-21.30	32.45	9.00	0.01
711.00	-21.72	32.37	8.50	0.01
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
704.00	-11.95	35.87	21.77	0.15
707.50	-12.41	36.04	21.48	0.14
711.00	-11.95	35.39	21.29	0.13

LTE Band 12 Radiated Power ERP for BW 10MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
704.00	-24.43	32.82	6.24	0.004
707.50	-23.87	32.45	6.43	0.004
711.00	-24.22	32.37	6.00	0.004
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
704.00	-14.57	35.87	19.15	0.08
707.50	-14.78	36.04	19.11	0.08
711.00	-13.98	35.39	19.26	0.08

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

LTE Band 4 Radiated Power EIRP for BW 1.4MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1710.70	-25.97	43.43	17.46	0.06
1732.50	-24.68	43.34	18.66	0.07
1754.30	-24.20	43.65	19.45	0.09
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1710.70	-21.12	46.93	25.81	0.38
1732.50	-21.06	46.19	25.13	0.33
1754.30	-21.23	47.30	26.07	0.40

LTE Band 4 Radiated Power EIRP for BW 1.4MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1710.70	-25.70	43.43	17.73	0.06
1732.50	-25.16	43.34	18.18	0.07
1754.30	-25.72	43.65	17.93	0.06
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1710.70	-22.45	46.93	24.48	0.28
1732.50	-20.98	46.19	25.21	0.33
1754.30	-22.07	47.30	25.23	0.33

LTE Band 4 Radiated Power EIRP for BW 3MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1711.50	-24.74	43.38	18.64	0.07
1732.50	-24.01	43.34	19.33	0.09
1753.50	-24.69	43.51	18.82	0.08
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1711.50	-21.56	46.65	25.09	0.32
1732.50	-20.00	46.19	26.19	0.42
1753.50	-21.45	47.65	26.20	0.42

LTE Band 4 Radiated Power EIRP for BW 3MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1711.50	-25.91	43.38	17.47	0.06
1732.50	-25.12	43.34	18.22	0.07
1753.50	-25.59	43.51	17.92	0.06
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1711.50	-22.45	46.65	24.20	0.26
1732.50	-21.08	46.19	25.11	0.32
1753.50	-22.40	47.65	25.25	0.33

LTE Band 4 Radiated Power EIRP for BW 5MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1712.50	-23.98	42.75	18.77	0.08
1732.50	-23.90	43.34	19.44	0.09
1752.50	-24.31	43.28	18.97	0.08
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1712.50	-20.71	46.26	25.55	0.36
1732.50	-19.97	46.19	26.22	0.42
1752.50	-21.69	47.72	26.03	0.40

LTE Band 4 Radiated Power EIRP for BW 5MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1712.50	-25.06	42.75	17.69	0.06
1732.50	-25.11	43.34	18.23	0.07
1752.50	-25.25	43.28	18.03	0.06
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1712.50	-21.86	46.26	24.40	0.28
1732.50	-21.15	46.19	25.04	0.32
1752.50	-22.56	47.72	25.16	0.33

LTE Band 4 Radiated Power EIRP for BW 10MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1715.00	-23.18	42.22	19.04	0.08
1732.50	-23.67	43.34	19.67	0.09
1750.00	-25.05	44.37	19.32	0.09
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1715.00	-20.63	45.79	25.16	0.33
1732.50	-20.36	46.19	25.83	0.38
1750.00	-21.31	47.21	25.90	0.39

LTE Band 4 Radiated Power EIRP for BW 10MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1715.00	-24.36	42.22	17.86	0.06
1732.50	-24.90	43.34	18.44	0.07
1750.00	-26.29	44.37	18.08	0.06
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1715.00	-21.27	45.79	24.52	0.28
1732.50	-20.96	46.19	25.23	0.33
1750.00	-22.13	47.21	25.08	0.32

LTE Band 4 Radiated Power EIRP for BW 15MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1717.50	-24.29	42.93	18.64	0.07
1732.50	-24.14	43.34	19.20	0.08
1747.50	-24.41	43.58	19.17	0.08
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1717.50	-21.31	46.52	25.21	0.33
1732.50	-20.03	46.19	26.16	0.41
1747.50	-20.80	47.08	26.28	0.42

LTE Band 4 Radiated Power EIRP for BW 15MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1717.50	-25.14	42.93	17.79	0.06
1732.50	-25.05	43.34	18.29	0.07
1747.50	-25.33	43.58	18.25	0.07
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1717.50	-21.95	46.52	24.57	0.29
1732.50	-21.06	46.19	25.13	0.33
1747.50	-21.75	47.08	25.33	0.34

LTE Band 4 Radiated Power EIRP for BW 20MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1720.00	-24.56	43.42	18.86	0.08
1732.50	-24.10	43.34	19.24	0.08
1745.00	-24.50	43.62	19.12	0.08
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1720.00	-20.52	46.18	25.66	0.37
1732.50	-19.99	46.19	26.20	0.42
1745.00	-20.31	46.54	26.23	0.42

LTE Band 4 Radiated Power EIRP for BW 20MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1720.00	-25.59	43.42	17.83	0.06
1732.50	-25.05	43.34	18.29	0.07
1745.00	-24.98	43.62	18.64	0.07
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
1720.00	-21.54	46.18	24.64	0.29
1732.50	-21.04	46.19	25.15	0.33
1745.00	-21.45	46.54	25.09	0.32

LTE Band 17 Radiated Power ERP for BW 5MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
706.50	-19.81	30.84	8.88	0.01
710.00	-20.17	30.86	8.54	0.01
713.50	-19.77	30.81	8.89	0.01
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
706.50	-10.74	34.59	21.70	0.15
710.00	-10.01	34.03	21.87	0.15
713.50	-9.65	33.68	21.88	0.15

LTE Band 17 Radiated Power ERP for BW 5MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
706.50	-22.30	30.84	6.39	0.004
710.00	-22.77	30.86	5.94	0.004
713.50	-22.45	30.81	6.21	0.004
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
706.50	-13.39	34.59	19.05	0.08
710.00	-12.55	34.03	19.33	0.09
713.50	-12.33	33.68	19.20	0.08

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

LTE Band 17 Radiated Power ERP for BW 10MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
709.00	-19.73	30.77	8.89	0.01
710.00	-19.99	30.86	8.72	0.01
711.00	-20.13	30.82	8.54	0.01
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
709.00	-10.71	34.16	21.30	0.13
710.00	-10.13	34.03	21.75	0.15
711.00	-9.91	33.94	21.88	0.15

LTE Band 17 Radiated Power ERP for BW 10MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
709.00	-22.40	30.77	6.22	0.004
710.00	-22.34	30.86	6.37	0.004
711.00	-22.59	30.82	6.08	0.004
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**ERP (dBm)**	**ERP (W)**
709.00	-12.81	34.16	19.20	0.08
710.00	-12.55	34.03	19.33	0.09
711.00	-12.40	33.94	19.39	0.09

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

LTE Band 41 Radiated Power EIRP for BW 5MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
2498.50	-25.47	46.50	18.88	0.08
2593.00	-24.88	47.38	20.35	0.11
2687.50	-24.26	47.23	20.82	0.12
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
2498.50	-24.49	49.12	22.48	0.18
2593.00	-22.80	48.52	23.57	0.23
2687.50	-22.91	48.63	23.57	0.23

LTE Band 41 Radiated Power EIRP for BW 5MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
2498.50	-28.30	46.50	16.05	0.04
2593.00	-27.95	47.38	17.28	0.05
2687.50	-27.04	47.23	18.04	0.06
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
2498.50	-27.34	49.12	19.63	0.09
2593.00	-25.78	48.52	20.59	0.11
2687.50	-25.72	48.63	20.76	0.12

LTE Band 41 Radiated Power EIRP for BW 10MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
2501.00	-25.28	46.52	19.09	0.08
2593.00	-24.75	47.40	20.50	0.11
2685.00	-24.22	47.19	20.82	0.12
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
2501.00	-24.37	49.13	22.61	0.18
2593.00	-22.78	48.54	23.61	0.23
2685.00	-22.95	48.59	23.49	0.22

LTE Band 41 Radiated Power EIRP for BW 10MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
2501.00	-28.29	46.52	16.08	0.04
2593.00	-27.79	47.40	17.46	0.06
2685.00	-27.00	47.19	18.04	0.06
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
2501.00	-27.41	49.13	19.57	0.09
2593.00	-25.94	48.54	20.45	0.11
2685.00	-25.87	48.59	20.57	0.11

LTE Band 41 Radiated Power EIRP for BW 15MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
2503.50	-25.52	46.53	18.86	0.08
2593.00	-24.97	47.42	20.30	0.11
2682.50	-24.25	47.13	20.73	0.12
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
2503.50	-24.55	49.13	22.43	0.17
2593.00	-22.85	48.55	23.55	0.23
2682.50	-23.05	48.57	23.37	0.22

LTE Band 41 Radiated Power EIRP for BW 15MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
2503.50	-28.62	46.53	15.76	0.04
2593.00	-27.57	47.42	17.70	0.06
2682.50	-27.01	47.13	17.97	0.06
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
2503.50	-27.31	49.13	19.67	0.09
2593.00	-25.57	48.55	20.83	0.12
2682.50	-25.92	48.57	20.50	0.11

LTE Band 41 Radiated Power EIRP for BW 20MHz / QPSK				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
2506.00	-26.04	47.16	18.97	0.08
2593.00	-24.75	47.36	20.46	0.11
2680.00	-23.82	46.94	20.97	0.13
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
2506.00	-25.68	49.50	21.67	0.15
2593.00	-23.01	48.50	23.34	0.22
2680.00	-23.08	48.73	23.50	0.22

LTE Band 41 Radiated Power EIRP for BW 20MHz / 16QAM				
Horizontal Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
2506.00	-29.15	47.16	15.86	0.04
2593.00	-27.80	47.36	17.41	0.06
2680.00	-26.87	46.94	17.92	0.06
Vertical Polarization				
Frequency (MHz)	**LVL (dBm)**	**Correction Factor (dB)**	**EIRP (dBm)**	**EIRP (W)**
2506.00	-27.83	49.50	19.52	0.09
2593.00	-25.76	48.50	20.59	0.11
2680.00	-25.88	48.73	20.70	0.12