FCC RF Test Report

APPLICANT	: Foxconn International Holdings Ltd.
EQUIPMENT	: Data Card
BRAND NAME	: AMBIT
MODEL NAME	: NF2
MARKETING NAME	: M.2 module
FCC ID	: RYQ-NF2
STANDARD	: 47 CFR Part 2, 22(H), 24(E), 27
CLASSIFICATION	: PCS Licensed Transmitter (PCB)

The product was received on May 21, 2013 and completely tested on Jun. 27, 2013. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI / TIA / EIA-603-C-2004 and shown 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

Testing Laboratory
1190

SPORTON INTERNATIONAL INC.
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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG352141B	Rev. 01	Initial issue of report	Jul. 23, 2013
FG352141B	Rev. 02	Added description of section 3.4 for Part 27.52(m)	Aug. 14, 2013

SUMMARY OF TEST RESULT

Report Section	FCC Rule	IC Rule	Description	Limit	Result	Remark
3.1	§2.1046	RSS-132 (5.4) RSS-133 (6.4) RSS-139(6.4)	Conducted Output Power	Reporting Only	PASS	-
3.2	§24.232(d) 27.53(d)(5)	RSS-133(6.4) RSS-139(6.4)	Peak-to-Average Ratio	<13 dB	PASS	-
3.3	§2.1049 §22.917(a) §24.238(a) §27.53(h)(3)	RSS-GEN(4.6.1) RSS-132 (3.1) RSS-133(3.1) RSS-139 (3.1)	Occupied Bandwidth	Reporting Only	PASS	-
3.4	§2.1049 §22.917(a) §24.238(a) §27.53(c) (g) (h) (m)	RSS-132 (5.5) RSS-133 (6.5.1) RSS-139 (6.5)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 13) (Band 17)	< 43+10log10(P[Watts])	PASS	-
3.4	§2.1049 §27.53(m)	-	Conducted Band Edge Measurement (Band 7)	< 43+10log10(P[Watts]) < 55+10log10(P[Watts])	PASS	-
3.5	§2.1051 §22.917(a) §24.238(a) §27.53(c) (g) (h)	RSS-132 (5.5) RSS-133 (6.5.1) RSS-139 (6.5)	Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 13) (Band 17)	< $43+10\log_{10}$(P[Watts])	PASS	-
3.5	§2.1051 §27.53(m)	-	Conducted Spurious Emission (Band 7)	< $55+10\log_{10}$(P[Watts])	PASS	

Report Section	FCC Rule	IC Rule	Description	Limit	Result	Remark
3.6	§2.1053 §22.917(a) §24.238(a) §27.53(c) (g)(h)	RSS-132 (5.5) RSS-133 (6.5.1) RSS-139 (6.5)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 13) (Band 17)	< 43+10log$_{10}$(P[Watts])	PASS	Under limit 8.93 dB at 7520.000 MHz
3.6	§2.1053 §27.53(m)	-	Radiated Spurious Emission (Band 7)	< 55+10log$_{10}$(P[Watts])	PASS	
3.7	§2.1055 §22.355 §24.235 §27.54	RSS-132(5.3) RSS-133(6.3) RSS-139 (6.3)	Frequency Stability Temperature & Voltage	< 2.5 ppm	PASS	

1 General Description

1.1 Applicant

Foxconn International Holdings Ltd.
No. 4, Mingsheng St., Tu-Cheng Dist., New Taipei City 23679, Taiwan

1.2 Manufacturer

Foxconn International Holdings Ltd.
No. 4, Mingsheng St., Tu-Cheng Dist., New Taipei City 23679, Taiwan

1.3 Feature of Equipment Under Test

Product Feature	
Equipment	Data Card
Brand Name	AMBIT
Model Name	NF2
Marketing Name	M.2 module
FCC ID	RYQ-NF2
HW Version	PR3.2
SW Version	FIH7160_MODEM_01.1326.00
EUT Stage	Production Unit

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

1.4 Product Specification of Equipment Under Test

Product Specification subjective to this standard	
Tx Frequency	LTE Band 5 : 824.7 MHz ~ 848.3 MHz LTE Band 2 : 1850.7 MHz ~ 1909.3 MHz LTE Band 4 : 1710.7 MHz ~ 1754.3 MHz LTE Band 7 : 2506.5 MHz ~ 2534.5 MHz and 2556 MHz ~ 2567.5 MHz LTE Band 13 : 779.5 MHz ~ 784.5 MHz LTE Band 17 : 706.5 MHz ~ 713.5 MHz
Rx Frequency	LTE Band 5 : 869.7 MHz ~ 893.3 MHz LTE Band 2 : 1930.7 MHz ~ 1989.3 MHz LTE Band 4 : 2110.7 MHz ~ 2154.3 MHz LTE Band 7 : 2626.5MHz ~ 2654.5 MHz and 2676 MHz ~ 2687.5 MHz LTE Band 13 : 748.5 MHz ~ 753.5 MHz LTE Band 17 : 736.5 MHz ~ 743.5 MHz
Bandwidth	1.4MHz / 3MHz / 5MHz/ 10MHz (Band 5) 1.4MHz / 3MHz / 5MHz/ 10MHz / 15MHz / 20MHz (Band 2) 1.4MHz / 3MHz / 5MHz/ 10MHz / 15MHz / 20MHz (Band 4) 5MHz/ 10MHz / 15MHz / 20MHz (Band 7) 5MHz / 10MHz (Band 13) 5MHz / 10MHz (Band 17)
Maximum Output Power to Antenna	LTE Band 5 : 23.25 dBm LTE Band 2 : 23.15 dBm LTE Band 4 : 22.83 dBm LTE Band 7 : 23.14 dBm LTE Band 13 : 23.12 dBm LTE Band 17 : 23.32 dBm
Type of Modulation	QPSK / 16QAM

1.5 Modification of EUT

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

1.6 Emission Designator

FCC Rule	System	Type of Modulation	BW	Emission Designator	Frequency Tolerance (%, Hz, ppm)
Part 22	LTE Band 5	QPSK	1.4 MHz	1M14G7D	0.007 ppm
Part 22	LTE Band 5	16QAM	1.4 MHz	1M18D7W	0.007 ppm
Part 22	LTE Band 5	QPSK	3 MHz	2M73G7D	0.007 ppm
Part 22	LTE Band 5	16QAM	3 MHz	2M74D7W	0.007 ppm
Part 22	LTE Band 5	QPSK	5 MHz	4M54G7D	0.007 ppm
Part 22	LTE Band 5	16QAM	5 MHz	4M50D7W	0.008 ppm
Part 22	LTE Band 5	QPSK	10 MHz	9M13G7D	0.007 ppm
Part 22	LTE Band 5	16QAM	10 MHz	9M07D7W	0.007 ppm
Part 24	LTE Band 2	QPSK	1.4 MHz	1M12G7D	0.003 ppm
Part 24	LTE Band 2	16QAM	1.4 MHz	1M14D7W	0.003 ppm
Part 24	LTE Band 2	QPSK	3 MHz	2M73G7D	0.004 ppm
Part 24	LTE Band 2	16QAM	3 MHz	2M74D7W	0.003 ppm
Part 24	LTE Band 2	QPSK	5 MHz	4M52G7D	0.004 ppm
Part 24	LTE Band 2	16QAM	5 MHz	4M52D7W	0.004 ppm
Part 24	LTE Band 2	QPSK	10 MHz	9M13G7D	0.003 ppm
Part 24	LTE Band 2	16QAM	10 MHz	9M10D7W	0.003 ppm
Part 24	LTE Band 2	QPSK	15 MHz	13M6G7D	0.003 ppm
Part 24	LTE Band 2	16QAM	15 MHz	13M6D7W	0.003 ppm
Part 24	LTE Band 2	QPSK	20 MHz	18M8G7D	0.004 ppm
Part 24	LTE Band 2	16QAM	20 MHz	18M8D7W	0.003 ppm

FCC Rule	System	Type of Modulation	BW	Emission Designator	Frequency Tolerance (%, Hz, ppm)
Part 27	LTE Band 4	QPSK	1.4 MHz	1M17G7D	0.003 ppm
Part 27	LTE Band 4	16QAM	1.4 MHz	1M13D7W	0.003 ppm
Part 27	LTE Band 4	QPSK	3 MHz	2M75G7D	0.004 ppm
Part 27	LTE Band 4	16QAM	3 MHz	2M75D7W	0.004 ppm
Part 27	LTE Band 4	QPSK	5MHz	4M56G7D	0.003 ppm
Part 27	LTE Band 4	16QAM	5MHz	4M54D7W	0.004 ppm
Part 27	LTE Band 4	QPSK	10MHz	9M20G7D	0.004 ppm
Part 27	LTE Band 4	16QAM	10MHz	9M16D7W	0.003 ppm
Part 27	LTE Band 4	QPSK	15MHz	13M6G7D	0.004 ppm
Part 27	LTE Band 4	16QAM	15MHz	13M6D7W	0.003 ppm
Part 27	LTE Band 4	QPSK	20MHz	18M8G7D	0.003 ppm
Part 27	LTE Band 4	16QAM	20MHz	18M9D7W	0.003 ppm
Part 27	LTE Band 7	QPSK	5MHz	4M55G7D	0.003 ppm
Part 27	LTE Band 7	16QAM	5MHz	4M52D7W	0.003 ppm
Part 27	LTE Band 7	QPSK	10MHz	9M23G7D	0.003 ppm
Part 27	LTE Band 7	16QAM	10MHz	9M13D7W	0.003 ppm
Part 27	LTE Band 7	QPSK	15MHz	13M6G7D	0.003 ppm
Part 27	LTE Band 7	16QAM	15MHz	13M6D7W	0.003 ppm
Part 27	LTE Band 7	QPSK	20MHz	18M1G7D	0.003 ppm
Part 27	LTE Band 7	16QAM	20MHz	18M1D7W	0.003 ppm
Part 27	LTE Band 13	QPSK	5MHz	4M54G7D	0.007 ppm
Part 27	LTE Band 13	16QAM	5MHz	4M52D7W	0.008 ppm
Part 27	LTE Band 13	QPSK	10MHz	9M20G7D	0.007 ppm
Part 27	LTE Band 13	16QAM	10MHz	9M13D7W	0.008 ppm
Part 27	LTE Band 17	QPSK	5MHz	4M54G7D	0.009 ppm
Part 27	LTE Band 17	16QAM	5MHz	4M50D7W	0.009 ppm
Part 27	LTE Band 17	QPSK	10MHz	9M17G7D	0.007 ppm
Part 27	LTE Band 17	16QAM	10MHz	9M10D7W	0.008 ppm

1.7 Testing Site

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.		FCC/IC Registration No.
	TH02-HY	03CH07-HY	TW1022/4086B-1

1.8 Applied 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

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

During all testing, EUT is in link mode with base station emulator at maximum power level. The spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range.

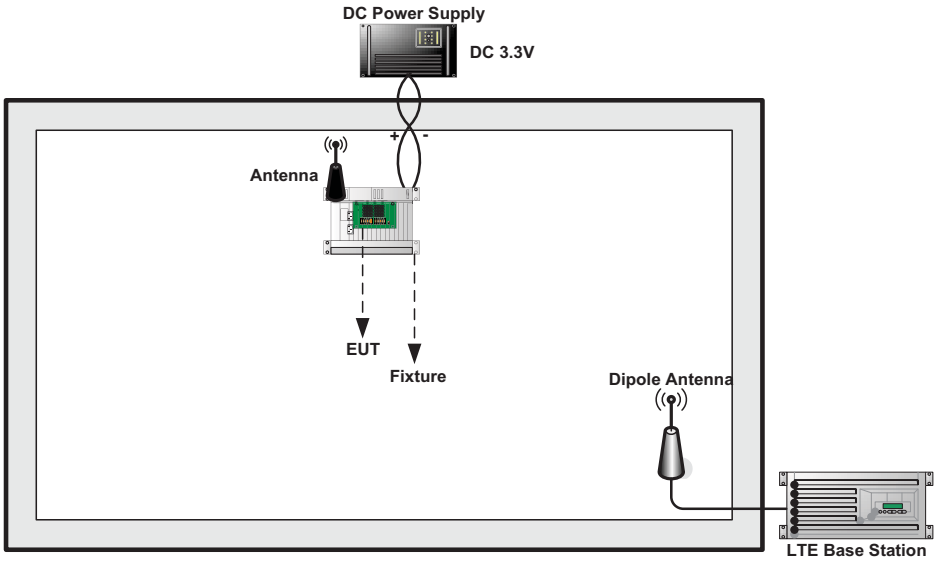
Frequency range investigated for radiated emission: 30MHz to 10th harmonic.

Test Modes			
Band		Radiated TCs	Conducted TCs
LTE Band 5	BW 1.4MHz	■ LTE (RB Size 1) Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 3) Link ■ LTE (RB Size 6) Link
	BW 3MHz	■ LTE (RB Size 1) Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 8) Link ■ LTE (RB Size 15) Link
	BW 5MHz	■ LTE (RB Size 1) Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 12) Link ■ LTE (RB Size 25) Link
	BW 10MHz	■ LTE (RB Size 1) Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 25) Link ■ LTE (RB Size 50) Link
LTE Band 2	BW 1.4MHz	■ LTE (RB Size 1) Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 3) Link ■ LTE (RB Size 6) Link
	BW 3MHz	■ LTE (RB Size 1) Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 8) Link ■ LTE (RB Size 15) Link
	BW 5MHz	■ LTE (RB Size 1) Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 12) Link ■ LTE (RB Size 25) Link
	BW 10MHz	■ LTE (RB Size 1) Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 25) Link ■ LTE (RB Size 50) Link
	BW 15MHz	■ LTE (RB Size 1) Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 36) Link ■ LTE (RB Size 75) Link
	BW 20MHz	■ LTE (RB Size 1) Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 50) Link ■ LTE (RB Size 100) Link

Test Modes			
Band		Radiated TCs	Conducted TCs
LTE Band 4	BW 1.4MHz	■ LTE (RB Size 1) Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 3) Link ■ LTE (RB Size 6) Link
	BW 3MHz	■ LTE (RB Size 1) Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 8) Link ■ LTE (RB Size 15) Link
	BW 5MHz	■ LTE (RB Size 1) Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 12) Link ■ LTE (RB Size 25) Link
	BW 10MHz	■ LTE (RB Size 1) Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 25) Link ■ LTE (RB Size 50) Link
	BW 15MHz	■ LTE (RB Size 1) Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 36) Link ■ LTE (RB Size 75) Link
	BW 20MHz	■ LTE (RB Size 1) Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 50) Link ■ LTE (RB Size 100) Link
LTE Band 7	BW 5MHz	■ LTE (RB Size 1) Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 12) Link ■ LTE (RB Size 25) Link
	BW 10MHz	■ LTE (RB Size 1) Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 25) Link ■ LTE (RB Size 50) Link
	BW 15MHz	■ LTE (RB Size 1) Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 36) Link ■ LTE (RB Size 75) Link
	BW 20MHz	■ LTE (RB Size 1) Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 50) Link ■ LTE (RB Size 100) Link

Test Modes			
LTE Band 13	BW 5MHz	■ LTE (RB Size 1) Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 12) Link ■ LTE (RB Size 25) Link
	BW 10MHz	■ LTE (RB Size 1) Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 25) Link ■ LTE (RB Size 50) Link
LTE Band 17	BW 5MHz	■ LTE (RB Size 1) Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 12) Link ■ LTE (RB Size 25) Link
	BW 10MHz	■ LTE (RB Size 1) Link	■ LTE (RB Size 1) Link ■ LTE (RB Size 25) Link ■ LTE (RB Size 50) Link

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.	Power Supply	GWINSTEK	PSS-2002	N/A	N/A	Unshielded, 1.8 m
2.	LTE Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
3.	Fixture	INTEL	NGFF Card Carrier	N/A	N/A	N/A

2.4 Measurement Results Explanation Example

For all conducted test items:

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

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

Offset = RF cable loss + attenuator factor.

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

Example :

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 base station simulator was used to establish communication with the EUT. Its parameters were set to transmit the maximum power on the EUT. The measured power in the radio frequency on the transmitter output terminals shall be reported.

3.1.2 Measuring Instruments

See list of measuring instruments of this test report.

3.1.3 Test Procedures

1. The transmitter output port was connected to base station.
2. Set EUT at maximum power through base station.
3. Select lowest, middle, and highest channels for each band and different modulation.

3.1.4 Test Setup

3.1.5 Test Result of Conducted Output Power

Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 5	1.4MHz	20407	824.7	QPSK	1	0	22.37	0.1726
					1	2	22.58	0.1811
					1	5	22.17	0.1648
					3	0	22.36	0.1722
					3	1	22.48	0.1770
					3	2	22.55	0.1799
					6	0	22.48	0.1770
				16-QAM	1	0	21.87	0.1538
					1	2	22.14	0.1637
					1	5	21.85	0.1531
					3	0	21.74	0.1493
					3	1	21.80	0.1514
					3	2	21.89	0.1545
					6	0	21.87	0.1538
		20525	836.5	QPSK	1	0	22.85	0.1928
					1	2	22.89	0.1945
					1	5	22.57	0.1807
					3	0	22.79	0.1901
					3	1	22.82	0.1914
					3	2	22.76	0.1888
					6	0	22.69	0.1858
				16-QAM	1	0	22.22	0.1667
					1	2	22.39	0.1734
					1	5	22.00	0.1585
					3	0	22.17	0.1648
					3	1	22.29	0.1694
					3	2	22.24	0.1675
					6	0	22.25	0.1679
		20643	848.3	QPSK	1	0	22.57	0.1807
					1	2	22.69	0.1858
					1	5	22.17	0.1648
					3	0	22.60	0.1820
					3	1	22.54	0.1795
					3	2	22.34	0.1714
					6	0	22.33	0.1710
				16-QAM	1	0	22.00	0.1585
					1	2	22.18	0.1652
					1	5	21.63	0.1455
					3	0	21.97	0.1574
					3	1	21.94	0.1563
					3	2	21.75	0.1496
					6	0	21.78	0.1507

Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 5	3MHz	20415	825.5	QPSK	1	0	22.64	0.1837
					1	7	23.04	0.2014
					1	14	22.62	0.1828
					8	0	22.83	0.1919
					8	4	22.76	0.1888
					8	7	22.71	0.1866
					15	0	22.70	0.1862
				16-QAM	1	0	21.81	0.1517
					1	7	22.20	0.1660
					1	14	21.78	0.1507
					8	0	21.76	0.1500
					8	4	21.79	0.1510
					8	7	21.76	0.1500
					15	0	21.81	0.1517
		20525	836.5	QPSK	1	0	23.12	0.2051
					1	7	23.22	0.2099
					1	14	22.62	0.1828
					8	0	23.11	0.2046
					8	4	23.05	0.2018
					8	7	22.86	0.1932
					15	0	22.92	0.1959
				16-QAM	1	0	22.28	0.1690
					1	7	22.46	0.1762
					1	14	21.79	0.1510
					8	0	22.24	0.1675
					8	4	22.18	0.1652
					8	7	21.94	0.1563
					15	0	22.04	0.1600
		20635	847.5	QPSK	1	0	22.65	0.1841
					1	7	22.84	0.1923
					1	14	22.24	0.1675
					8	0	22.75	0.1884
					8	4	22.79	0.1901
					8	7	22.73	0.1875
					15	0	22.70	0.1862
				16-QAM	1	0	21.94	0.1563
					1	7	22.32	0.1706
					1	14	21.73	0.1489
					8	0	22.04	0.1600
					8	4	22.08	0.1614
					8	7	21.98	0.1578
					15	0	21.93	0.1560

Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 5	5MHz	20425	826.5	QPSK	1	0	22.67	0.1849
					1	12	23.02	0.2004
					1	24	22.88	0.1941
					12	0	22.87	0.1936
					12	6	22.98	0.1986
					12	11	23.00	0.1995
					25	0	22.85	0.1928
				16-QAM	1	0	21.78	0.1507
					1	12	22.23	0.1671
					1	24	22.10	0.1622
					12	0	21.90	0.1549
					12	6	21.93	0.1560
					12	11	22.17	0.1648
					25	0	21.98	0.1578
		20525	836.5	QPSK	1	0	22.99	0.1991
					1	12	23.21	0.2094
					1	24	22.60	0.1820
					12	0	23.18	0.2080
					12	6	23.20	0.2089
					12	11	22.98	0.1986
					25	0	22.98	0.1986
				16-QAM	1	0	22.26	0.1683
					1	12	22.41	0.1742
					1	24	21.85	0.1531
					12	0	22.38	0.1730
					12	6	22.38	0.1730
					12	11	22.11	0.1626
					25	0	22.15	0.1641
		20625	846.5	QPSK	1	0	22.64	0.1837
					1	12	23.14	0.2061
					1	24	22.51	0.1782
					12	0	22.80	0.1905
					12	6	22.89	0.1945
					12	11	22.90	0.1950
					25	0	22.74	0.1879
				16-QAM	1	0	21.85	0.1531
					1	12	22.41	0.1742
					1	24	21.82	0.1521
					12	0	22.05	0.1603
					12	6	22.26	0.1683
					12	11	22.25	0.1679
					25	0	22.15	0.1641

Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 5	10MHz	20450	829	QPSK	1	0	22.83	0.1919
					1	24	22.57	0.1807
					1	49	23.20	0.2089
					25	0	22.62	0.1828
					25	12	22.58	0.1811
					25	24	22.94	0.1968
					50	0	22.69	0.1858
				16-QAM	1	0	22.15	0.1641
					1	24	22.01	0.1589
					1	49	22.54	0.1795
					25	0	21.80	0.1514
					25	12	21.58	0.1439
					25	24	22.05	0.1603
					50	0	21.84	0.1528
		20525	836.5	QPSK	1	0	**23.25**	0.2113
					1	24	22.85	0.1928
					1	49	22.84	0.1923
					25	0	23.08	0.2032
					25	12	22.86	0.1932
					25	24	22.86	0.1932
					50	0	23.12	0.2051
				16-QAM	1	0	22.51	0.1782
					1	24	22.21	0.1663
					1	49	22.19	0.1656
					25	0	22.28	0.1690
					25	12	21.89	0.1545
					25	24	21.95	0.1567
					50	0	22.11	0.1626
		20600	844	QPSK	1	0	22.91	0.1954
					1	24	22.44	0.1754
					1	49	22.95	0.1972
					25	0	22.62	0.1828
					25	12	22.41	0.1742
					25	24	22.86	0.1932
					50	0	22.80	0.1905
				16-QAM	1	0	22.32	0.1706
					1	24	21.73	0.1489
					1	49	22.35	0.1718
					25	0	21.90	0.1549
					25	12	21.76	0.1500
					25	24	22.12	0.1629
					50	0	22.08	0.1614

Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 2	1.4MHz	18607	1850.7	QPSK	1	0	21.99	0.1581
					1	2	22.07	0.1611
					1	5	21.56	0.1432
					3	0	21.92	0.1556
					3	1	21.96	0.1570
					3	2	21.85	0.1531
					6	0	21.78	0.1507
				16-QAM	1	0	21.18	0.1312
					1	2	21.34	0.1361
					1	5	20.90	0.1230
					3	0	21.01	0.1262
					3	1	21.10	0.1288
					3	2	21.13	0.1297
					6	0	21.11	0.1291
		18900	1880.0	QPSK	1	0	20.74	0.1186
					1	2	21.00	0.1259
					1	5	20.64	0.1159
					3	0	20.91	0.1233
					3	1	20.99	0.1256
					3	2	20.97	0.1250
					6	0	20.89	0.1227
				16-QAM	1	0	20.25	0.1059
					1	2	20.54	0.1132
					1	5	20.22	0.1052
					3	0	20.07	0.1016
					3	1	20.14	0.1033
					3	2	20.14	0.1033
					6	0	20.10	0.1023
		19193	1903.3	QPSK	1	0	20.21	0.1050
					1	2	20.50	0.1122
					1	5	20.18	0.1042
					3	0	20.36	0.1086
					3	1	20.41	0.1099
					3	2	20.43	0.1104
					6	0	20.28	0.1067
				16-QAM	1	0	19.79	0.0953
					1	2	20.20	0.1047
					1	5	20.00	0.1000
					3	0	19.91	0.0979
					3	1	19.98	0.0995
					3	2	20.03	0.1007
					6	0	19.92	0.0982

Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 2	3MHz	18615	1851.5	QPSK	1	0	22.42	0.1746
					1	7	22.34	0.1714
					1	14	21.89	0.1545
					8	0	22.31	0.1702
					8	4	22.14	0.1637
					8	7	21.74	0.1493
					15	0	21.74	0.1493
				16-QAM	1	0	21.30	0.1349
					1	7	21.41	0.1384
					1	14	20.99	0.1256
					8	0	21.34	0.1361
					8	4	21.20	0.1318
					8	7	21.05	0.1274
					15	0	21.06	0.1276
		18900	1880.0	QPSK	1	0	20.85	0.1216
					1	7	21.21	0.1321
					1	14	20.74	0.1186
					8	0	21.04	0.1271
					8	4	21.09	0.1285
					8	7	20.99	0.1256
					15	0	21.03	0.1268
				16-QAM	1	0	20.23	0.1054
					1	7	20.70	0.1175
					1	14	20.25	0.1059
					8	0	20.27	0.1064
					8	4	20.40	0.1096
					8	7	20.31	0.1074
					15	0	20.32	0.1076
		19185	1908.5	QPSK	1	0	20.64	0.1159
					1	7	20.86	0.1219
					1	14	20.34	0.1081
					8	0	20.73	0.1183
					8	4	20.67	0.1167
					8	7	20.58	0.1143
					15	0	20.65	0.1161
				16-QAM	1	0	20.14	0.1033
					1	7	20.50	0.1122
					1	14	19.98	0.0995
					8	0	20.18	0.1042
					8	4	20.14	0.1033
					8	7	20.03	0.1007
					15	0	20.05	0.1012

Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 2	5MHz	18625	1852.5	QPSK	1	0	22.70	0.1862
					1	12	22.40	0.1738
					1	24	22.16	0.1644
					12	0	22.62	0.1828
					12	6	22.39	0.1734
					12	11	22.14	0.1637
					25	0	22.17	0.1648
				16-QAM	1	0	21.67	0.1469
					1	12	21.74	0.1493
					1	24	21.16	0.1306
					12	0	21.55	0.1429
					12	6	21.38	0.1374
					12	11	21.20	0.1318
					25	0	21.24	0.1330
		18900	1880	QPSK	1	0	21.34	0.1361
					1	12	21.77	0.1503
					1	24	21.23	0.1327
					12	0	21.66	0.1466
					12	6	21.72	0.1486
					12	11	21.71	0.1483
					25	0	21.62	0.1452
				16-QAM	1	0	20.57	0.1140
					1	12	20.99	0.1256
					1	24	20.46	0.1112
					12	0	20.61	0.1151
					12	6	20.69	0.1172
					12	11	20.58	0.1143
					25	0	20.57	0.1140
		19175	1907.5	QPSK	1	0	21.06	0.1276
					1	12	21.38	0.1374
					1	24	20.74	0.1186
					12	0	21.23	0.1327
					12	6	21.32	0.1355
					12	11	21.20	0.1318
					25	0	21.17	0.1309
				16-QAM	1	0	20.30	0.1072
					1	12	20.73	0.1183
					1	24	20.19	0.1045
					12	0	20.37	0.1089
					12	6	20.45	0.1109
					12	11	20.40	0.1096
					25	0	20.28	0.1067

Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 2	10MHz	18650	1855.0	QPSK	1	0	23.15	0.2065
					1	24	22.56	0.1803
					1	49	22.50	0.1778
					25	0	22.72	0.1871
					25	12	22.56	0.1803
					25	24	22.56	0.1803
					50	0	22.70	0.1862
				16-QAM	1	0	22.45	0.1758
					1	24	22.32	0.1706
					1	49	21.73	0.1489
					25	0	21.77	0.1503
					25	12	21.49	0.1409
					25	24	21.72	0.1486
					50	0	22.04	0.1600
		18900	1880.0	QPSK	1	0	22.24	0.1675
					1	24	21.61	0.1449
					1	49	21.99	0.1581
					25	0	22.17	0.1648
					25	12	21.84	0.1528
					25	24	22.07	0.1611
					50	0	22.05	0.1603
				16-QAM	1	0	21.40	0.1380
					1	24	20.87	0.1222
					1	49	21.25	0.1334
					25	0	21.05	0.1274
					25	12	20.81	0.1205
					25	24	20.99	0.1256
					50	0	21.04	0.1271
		19150	1905.0	QPSK	1	0	21.99	0.1581
					1	24	21.32	0.1355
					1	49	21.82	0.1521
					25	0	21.79	0.1510
					25	12	21.30	0.1349
					25	24	21.57	0.1435
					50	0	21.68	0.1472
				16-QAM	1	0	21.15	0.1303
					1	24	20.34	0.1081
					1	49	21.33	0.1358
					25	0	20.76	0.1191
					25	12	20.38	0.1091
					25	24	20.74	0.1186
					50	0	20.83	0.1211

Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 2	15MHz	18675	1857.5	QPSK	1	0	21.68	0.1472
					1	37	21.36	0.1368
					1	74	21.08	0.1282
					36	0	21.50	0.1413
					36	18	21.45	0.1396
					36	37	21.29	0.1346
					75	0	21.36	0.1368
				16-QAM	1	0	21.05	0.1274
					1	37	21.05	0.1274
					1	74	20.72	0.1180
					36	0	20.63	0.1156
					36	18	20.70	0.1175
					36	37	20.66	0.1164
					75	0	20.59	0.1146
		18900	1880.0	QPSK	1	0	20.94	0.1242
					1	37	21.14	0.1300
					1	74	21.03	0.1268
					36	0	21.06	0.1276
					36	18	21.09	0.1285
					36	37	20.96	0.1247
					75	0	21.13	0.1297
				16-QAM	1	0	20.63	0.1156
					1	37	20.71	0.1178
					1	74	20.20	0.1047
					36	0	20.49	0.1119
					36	18	20.47	0.1114
					36	37	20.25	0.1059
					75	0	20.33	0.1079
		19125	1902.5	QPSK	1	0	20.60	0.1148
					1	37	21.15	0.1303
					1	74	20.65	0.1161
					36	0	20.96	0.1247
					36	18	21.13	0.1297
					36	37	20.76	0.1191
					75	0	20.84	0.1213
				16-QAM	1	0	20.13	0.1030
					1	37	20.64	0.1159
					1	74	19.79	0.0953
					36	0	20.30	0.1072
					36	18	20.35	0.1084
					36	37	20.14	0.1033
					75	0	20.20	0.1047

Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 2	20MHz	18700	1860.0	QPSK	1	0	22.50	0.1778
					1	49	22.55	0.1799
					1	99	21.92	0.1556
					50	0	22.37	0.1726
					50	24	22.34	0.1714
					50	49	22.40	0.1738
					100	0	22.34	0.1714
				16-QAM	1	0	21.74	0.1493
					1	49	21.92	0.1556
					1	99	20.89	0.1227
					50	0	21.41	0.1384
					50	24	21.52	0.1419
					50	49	21.45	0.1396
					100	0	21.38	0.1374
		18900	1880.0	QPSK	1	0	22.38	0.1730
					1	49	22.35	0.1718
					1	99	22.16	0.1644
					50	0	22.31	0.1702
					50	24	22.37	0.1726
					50	49	22.19	0.1656
					100	0	22.27	0.1687
				16-QAM	1	0	21.12	0.1294
					1	49	21.68	0.1472
					1	99	20.86	0.1219
					50	0	21.25	0.1334
					50	24	21.30	0.1349
					50	49	21.14	0.1300
					100	0	21.17	0.1309
		19100	1900.0	QPSK	1	0	22.12	0.1629
					1	49	22.24	0.1675
					1	99	21.85	0.1531
					50	0	22.01	0.1589
					50	24	22.14	0.1637
					50	49	21.74	0.1493
					100	0	21.85	0.1531
				16-QAM	1	0	20.78	0.1197
					1	49	21.41	0.1384
					1	99	20.62	0.1153
					50	0	21.11	0.1291
					50	24	21.10	0.1288
					50	49	20.81	0.1205
					100	0	20.97	0.1250

Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 4	1.4MHz	19957	1710.7	QPSK	1	0	22.31	0.1702
					1	2	22.51	0.1782
					1	5	22.21	0.1663
					3	0	22.37	0.1726
					3	1	22.43	0.1750
					3	2	22.41	0.1742
					6	0	22.29	0.1694
				16-QAM	1	0	21.61	0.1449
					1	2	21.82	0.1521
					1	5	21.50	0.1413
					3	0	21.57	0.1435
					3	1	21.58	0.1439
					3	2	21.59	0.1442
					6	0	21.53	0.1422
		20175	1732.5	QPSK	1	0	22.32	0.1706
					1	2	22.51	0.1782
					1	5	22.23	0.1671
					3	0	22.32	0.1706
					3	1	22.41	0.1742
					3	2	22.40	0.1738
					6	0	22.27	0.1687
				16-QAM	1	0	21.70	0.1479
					1	2	21.98	0.1578
					1	5	21.74	0.1493
					3	0	21.58	0.1439
					3	1	21.69	0.1476
					3	2	21.71	0.1483
					6	0	21.67	0.1469
		20393	1754.3	QPSK	1	0	22.05	0.1603
					1	2	22.27	0.1687
					1	5	22.03	0.1596
					3	0	22.13	0.1633
					3	1	22.17	0.1648
					3	2	22.21	0.1663
					6	0	22.11	0.1626
				16-QAM	1	0	21.25	0.1334
					1	2	21.49	0.1409
					1	5	21.25	0.1334
					3	0	21.22	0.1324
					3	1	21.29	0.1346
					3	2	21.33	0.1358
					6	0	21.30	0.1349

Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 4	3MHz	19965	1711.5	QPSK	1	0	22.55	0.1799
					1	7	22.69	0.1858
					1	14	22.04	0.1600
					8	0	22.36	0.1722
					8	4	22.30	0.1698
					8	7	22.20	0.1660
					15	0	22.25	0.1679
				16-QAM	1	0	21.48	0.1406
					1	7	21.66	0.1466
					1	14	21.28	0.1343
					8	0	21.57	0.1435
					8	4	21.54	0.1426
					8	7	21.45	0.1396
					15	0	21.46	0.1400
		20175	1732.5	QPSK	1	0	22.29	0.1694
					1	7	22.60	0.1820
					1	14	22.24	0.1675
					8	0	22.41	0.1742
					8	4	22.47	0.1766
					8	7	22.42	0.1746
					15	0	22.33	0.1710
				16-QAM	1	0	21.63	0.1455
					1	7	21.99	0.1581
					1	14	21.66	0.1466
					8	0	21.66	0.1466
					8	4	21.69	0.1476
					8	7	21.68	0.1472
					15	0	21.62	0.1452
		20385	1753.5	QPSK	1	0	22.11	0.1626
					1	7	22.40	0.1738
					1	14	22.09	0.1618
					8	0	22.19	0.1656
					8	4	22.27	0.1687
					8	7	22.14	0.1637
					15	0	22.13	0.1633
				16-QAM	1	0	21.28	0.1343
					1	7	21.56	0.1432
					1	14	21.24	0.1330
					8	0	21.28	0.1343
					8	4	21.37	0.1371
					8	7	21.26	0.1337
					15	0	21.21	0.1321

Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 4	5MHz	19975	1712.5	QPSK	1	0	22.38	0.1730
					1	12	22.45	0.1758
					1	24	22.01	0.1589
					12	0	22.40	0.1738
					12	6	22.38	0.1730
					12	11	22.21	0.1663
					25	0	22.26	0.1683
				16-QAM	1	0	21.57	0.1435
					1	12	21.65	0.1462
					1	24	21.15	0.1303
					12	0	21.46	0.1400
					12	6	21.42	0.1387
					12	11	21.25	0.1334
					25	0	21.30	0.1349
		20175	1732.5	QPSK	1	0	22.17	0.1648
					1	12	22.55	0.1799
					1	24	22.08	0.1614
					12	0	22.39	0.1734
					12	6	22.46	0.1762
					12	11	22.46	0.1762
					25	0	22.32	0.1706
				16-QAM	1	0	21.57	0.1435
					1	12	22.00	0.1585
					1	24	21.49	0.1409
					12	0	21.65	0.1462
					12	6	21.74	0.1493
					12	11	21.75	0.1496
					25	0	21.78	0.1507
		20375	1752.5	QPSK	1	0	22.06	0.1607
					1	12	22.37	0.1726
					1	24	22.07	0.1611
					12	0	22.25	0.1679
					12	6	22.35	0.1718
					12	11	22.31	0.1702
					25	0	22.32	0.1706
				16-QAM	1	0	21.30	0.1349
					1	12	21.64	0.1459
					1	24	21.28	0.1343
					12	0	21.33	0.1358
					12	6	21.40	0.1380
					12	11	21.31	0.1352
					25	0	21.28	0.1343

Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 4	10MHz	20000	1715.0	QPSK	1	0	22.59	0.1816
					1	24	22.11	0.1626
					1	49	22.19	0.1656
					25	0	22.17	0.1648
					25	12	22.00	0.1585
					25	24	22.03	0.1596
					50	0	22.08	0.1614
				16-QAM	1	0	21.99	0.1581
					1	24	21.06	0.1276
					1	49	21.78	0.1507
					25	0	21.52	0.1419
					25	12	21.15	0.1303
					25	24	21.51	0.1416
					50	0	21.48	0.1406
		20175	1732.5	QPSK	1	0	22.38	0.1730
					1	24	22.00	0.1585
					1	49	22.41	0.1742
					25	0	22.25	0.1679
					25	12	22.03	0.1596
					25	24	22.29	0.1694
					50	0	22.26	0.1683
				16-QAM	1	0	21.84	0.1528
					1	24	21.35	0.1365
					1	49	22.07	0.1611
					25	0	21.66	0.1466
					25	12	21.47	0.1403
					25	24	21.70	0.1479
					50	0	21.70	0.1479
		20350	1750.0	QPSK	1	0	22.37	0.1726
					1	24	22.02	0.1592
					1	49	22.25	0.1679
					25	0	22.23	0.1671
					25	12	22.00	0.1585
					25	24	22.16	0.1644
					50	0	22.24	0.1675
				16-QAM	1	0	21.64	0.1459
					1	24	21.07	0.1279
					1	49	21.60	0.1445
					25	0	21.31	0.1352
					25	12	21.08	0.1282
					25	24	21.23	0.1327
					50	0	21.30	0.1349

Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 4	15MHz	20025	1717.5	QPSK	1	0	22.30	0.1698
					1	37	22.45	0.1758
					1	74	22.02	0.1592
					36	0	22.24	0.1675
					36	18	22.35	0.1718
					36	37	22.27	0.1687
					75	0	22.25	0.1679
				16-QAM	1	0	21.41	0.1384
					1	37	21.74	0.1493
					1	74	21.38	0.1374
					36	0	21.34	0.1361
					36	18	21.50	0.1413
					36	37	21.46	0.1400
					75	0	21.47	0.1403
		20175	1732.5	QPSK	1	0	22.15	0.1641
					1	37	22.64	0.1837
					1	74	22.02	0.1592
					36	0	22.47	0.1766
					36	18	22.63	0.1832
					36	37	22.63	0.1832
					75	0	22.59	0.1816
				16-QAM	1	0	21.64	0.1459
					1	37	22.23	0.1671
					1	74	21.72	0.1486
					36	0	21.83	0.1524
					36	18	21.95	0.1567
					36	37	21.80	0.1514
					75	0	21.87	0.1538
		20325	1747.5	QPSK	1	0	22.58	0.1811
					1	37	22.44	0.1754
					1	74	22.00	0.1585
					36	0	22.57	0.1807
					36	18	22.52	0.1786
					36	37	22.30	0.1698
					75	0	22.52	0.1786
				16-QAM	1	0	21.89	0.1545
					1	37	21.76	0.1500
					1	74	21.22	0.1324
					36	0	21.69	0.1476
					36	18	21.56	0.1432
					36	37	21.33	0.1358
					75	0	21.57	0.1435

Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 4	20MHz	20050	1720.0	QPSK	1	0	22.12	0.1629
					1	49	22.66	0.1845
					1	99	22.03	0.1596
					50	0	22.47	0.1766
					50	24	22.65	0.1841
					50	49	22.65	0.1841
					100	0	22.54	0.1795
				16-QAM	1	0	21.38	0.1374
					1	49	21.85	0.1531
					1	99	21.50	0.1413
					50	0	21.33	0.1358
					50	24	21.53	0.1422
					50	49	21.52	0.1419
					100	0	21.46	0.1400
		20175	1732.5	QPSK	1	0	22.52	0.1786
					1	49	**22.83**	0.1919
					1	99	22.23	0.1671
					50	0	22.58	0.1811
					50	24	22.74	0.1879
					50	49	22.54	0.1795
					100	0	22.54	0.1795
				16-QAM	1	0	21.85	0.1531
					1	49	22.01	0.1589
					1	99	21.80	0.1514
					50	0	21.52	0.1419
					50	24	21.79	0.1510
					50	49	21.76	0.1500
					100	0	21.67	0.1469
		20300	1745.0	QPSK	1	0	22.05	0.1603
					1	49	22.60	0.1820
					1	99	22.01	0.1589
					50	0	22.59	0.1816
					50	24	22.57	0.1807
					50	49	22.15	0.1641
					100	0	22.51	0.1782
				16-QAM	1	0	21.46	0.1400
					1	49	21.80	0.1514
					1	99	21.35	0.1365
					50	0	21.74	0.1493
					50	24	21.59	0.1442
					50	49	21.30	0.1349
					100	0	21.53	0.1422

Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 7	5MHz	20815	2506.5	QPSK	1	0	22.39	0.1734
					1	12	22.96	0.1977
					1	24	22.56	0.1803
					12	0	22.62	0.1828
					12	6	22.80	0.1905
					12	11	22.75	0.1884
					25	0	22.59	0.1816
				16-QAM	1	0	21.59	0.1442
					1	12	21.97	0.1574
					1	24	21.59	0.1442
					12	0	21.67	0.1469
					12	6	21.88	0.1542
					12	11	21.84	0.1528
					25	0	21.65	0.1462
		21095	2534.5	QPSK	1	0	22.37	0.1726
					1	12	22.56	0.1803
					1	24	22.14	0.1637
					12	0	22.38	0.1730
					12	6	22.44	0.1754
					12	11	22.37	0.1726
					25	0	22.37	0.1726
				16-QAM	1	0	21.48	0.1406
					1	12	21.82	0.1521
					1	24	21.42	0.1387
					12	0	21.49	0.1409
					12	6	21.56	0.1432
					12	11	21.51	0.1416
					25	0	21.44	0.1393
		21425	2567.5	QPSK	1	0	22.56	0.1803
					1	12	22.75	0.1884
					1	24	22.10	0.1622
					12	0	22.45	0.1758
					12	6	22.45	0.1758
					12	11	22.36	0.1722
					25	0	22.31	0.1702
				16-QAM	1	0	21.85	0.1531
					1	12	22.24	0.1675
					1	24	21.73	0.1489
					12	0	21.90	0.1549
					12	6	21.97	0.1574
					12	11	21.84	0.1528
					25	0	21.83	0.1524

Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 7	10MHz	20840	2509.0	QPSK	1	0	22.65	0.1841
					1	24	22.20	0.1660
					1	49	22.57	0.1807
					25	0	22.55	0.1799
					25	12	22.27	0.1687
					25	24	22.45	0.1758
					50	0	22.49	0.1774
				16-QAM	1	0	21.46	0.1400
					1	24	21.10	0.1288
					1	49	21.57	0.1435
					25	0	21.44	0.1393
					25	12	21.15	0.1303
					25	24	21.34	0.1361
					50	0	21.35	0.1365
		21070	2532.0	QPSK	1	0	22.64	0.1837
					1	24	22.07	0.1611
					1	49	22.39	0.1734
					25	0	22.31	0.1702
					25	12	22.07	0.1611
					25	24	22.17	0.1648
					50	0	22.00	0.1585
				16-QAM	1	0	21.66	0.1466
					1	24	21.29	0.1346
					1	49	21.72	0.1486
					25	0	21.49	0.1409
					25	12	21.17	0.1309
					25	24	21.40	0.1380
					50	0	21.35	0.1365
		21400	2562	QPSK	1	0	22.64	0.1837
					1	24	22.11	0.1626
					1	49	22.10	0.1622
					25	0	22.33	0.1710
					25	12	22.02	0.1592
					25	24	22.03	0.1596
					50	0	22.15	0.1641
				16-QAM	1	0	21.82	0.1521
					1	24	21.34	0.1361
					1	49	21.57	0.1435
					25	0	21.58	0.1439
					25	12	21.23	0.1327
					25	24	21.40	0.1380
					50	0	21.46	0.1400

Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 7	15MHz	20865	2511.5	QPSK	1	0	22.32	0.1706
					1	37	23.02	0.2004
					1	74	22.35	0.1718
					36	0	22.72	0.1871
					36	18	22.82	0.1914
					36	37	22.56	0.1803
					75	0	22.58	0.1811
				16-QAM	1	0	21.58	0.1439
					1	37	22.13	0.1633
					1	74	21.48	0.1406
					36	0	21.68	0.1472
					36	18	21.80	0.1514
					36	37	21.59	0.1442
					75	0	21.58	0.1439
		21045	2529.5	QPSK	1	0	22.28	0.1690
					1	37	22.66	0.1845
					1	74	22.03	0.1596
					36	0	22.48	0.1770
					36	18	22.56	0.1803
					36	37	22.42	0.1746
					75	0	22.34	0.1714
				16-QAM	1	0	21.21	0.1321
					1	37	21.96	0.1570
					1	74	21.36	0.1368
					36	0	21.53	0.1422
					36	18	21.58	0.1439
					36	37	21.42	0.1387
					75	0	21.36	0.1368
		21375	2562.5	QPSK	1	0	22.10	0.1622
					1	37	22.54	0.1795
					1	74	22.01	0.1589
					36	0	22.48	0.1770
					36	18	22.48	0.1770
					36	37	22.17	0.1648
					75	0	22.33	0.1710
				16-QAM	1	0	21.57	0.1435
					1	37	21.91	0.1552
					1	74	21.21	0.1321
					36	0	21.65	0.1462
					36	18	21.67	0.1469
					36	37	21.51	0.1416
					75	0	21.59	0.1442

Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 7	20MHz	20890	2514.0	QPSK	1	0	22.62	0.1828
					1	49	**23.14**	0.2061
					1	99	22.56	0.1803
					50	0	22.91	0.1954
					50	24	22.97	0.1982
					50	49	22.98	0.1986
					100	0	22.85	0.1928
				16-QAM	1	0	21.57	0.1435
					1	49	22.08	0.1614
					1	99	21.66	0.1466
					50	0	21.77	0.1503
					50	24	21.88	0.1542
					50	49	21.77	0.1503
					100	0	21.78	0.1507
		21020	2527.0	QPSK	1	0	22.05	0.1603
					1	49	22.63	0.1832
					1	99	22.05	0.1603
					50	0	22.50	0.1778
					50	24	22.59	0.1816
					50	49	22.39	0.1734
					100	0	22.34	0.1714
				16-QAM	1	0	21.15	0.1303
					1	49	22.30	0.1698
					1	99	21.46	0.1400
					50	0	21.54	0.1426
					50	24	21.91	0.1552
					50	49	21.68	0.1472
					100	0	21.71	0.1483

Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 13	5MHz	23205	779.5	QPSK	1	0	22.97	0.1982
					1	12	22.99	0.1991
					1	24	22.80	0.1905
					12	0	22.94	0.1968
					12	6	22.95	0.1972
					12	11	22.91	0.1954
					25	0	22.97	0.1982
				16-QAM	1	0	22.28	0.1690
					1	12	22.55	0.1799
					1	24	22.20	0.1660
					12	0	22.44	0.1754
					12	6	22.23	0.1671
					12	11	22.08	0.1614
					25	0	22.12	0.1629
		23230	782.0	QPSK	1	0	22.72	0.1871
					1	12	22.67	0.1849
					1	24	22.31	0.1702
					12	0	22.62	0.1828
					12	6	22.45	0.1758
					12	11	22.45	0.1758
					25	0	22.57	0.1807
				16-QAM	1	0	22.10	0.1622
					1	12	22.07	0.1611
					1	24	22.03	0.1596
					12	0	22.09	0.1618
					12	6	21.98	0.1578
					12	11	21.97	0.1574
					25	0	21.62	0.1452
		23255	784.5	QPSK	1	0	22.65	0.1841
					1	12	22.75	0.1884
					1	24	22.77	0.1892
					12	0	22.56	0.1803
					12	6	22.58	0.1811
					12	11	22.70	0.1862
					25	0	22.52	0.1786
				16-QAM	1	0	21.86	0.1535
					1	12	22.14	0.1637
					1	24	22.30	0.1698
					12	0	22.04	0.1600
					12	6	21.96	0.1570
					12	11	22.20	0.1660
					25	0	21.95	0.1567

Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 13	10MHz	23230	782.0	QPSK	1	0	22.98	0.1986
					1	24	22.64	0.1837
					1	49	**23.12**	0.2051
					25	0	22.98	0.1986
					25	12	22.62	0.1828
					25	24	22.70	0.1862
					50	0	22.76	0.1888
				16-QAM	1	0	22.51	0.1782
					1	24	21.65	0.1462
					1	49	22.73	0.1875
					25	0	21.97	0.1574
					25	12	21.64	0.1459
					25	24	21.73	0.1489
					50	0	21.82	0.1521

Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 17	5MHz	23755	706.5	QPSK	1	0	22.91	0.1954
					1	12	23.30	0.2138
					1	24	22.80	0.1905
					12	0	23.15	0.2065
					12	6	23.28	0.2128
					12	11	23.20	0.2089
					25	0	23.12	0.2051
				16-QAM	1	0	22.21	0.1663
					1	12	22.63	0.1832
					1	24	22.15	0.1641
					12	0	22.22	0.1667
					12	6	22.31	0.1702
					12	11	22.23	0.1671
					25	0	22.25	0.1679
		23790	710.0	QPSK	1	0	22.78	0.1897
					1	12	23.22	0.2099
					1	24	22.79	0.1901
					12	0	22.98	0.1986
					12	6	23.20	0.2089
					12	11	23.18	0.2080
					25	0	23.12	0.2051
				16-QAM	1	0	21.92	0.1556
					1	12	22.57	0.1807
					1	24	22.23	0.1671
					12	0	22.14	0.1637
					12	6	22.33	0.1710
					12	11	22.31	0.1702
					25	0	22.26	0.1683
		23825	713.5	QPSK	1	0	22.77	0.1892
					1	12	23.27	0.2123
					1	24	23.23	0.2104
					12	0	23.02	0.2004
					12	6	23.15	0.2065
					12	11	23.20	0.2089
					25	0	23.09	0.2037
				16-QAM	1	0	22.04	0.1600
					1	12	22.69	0.1858
					1	24	22.49	0.1774
					12	0	22.17	0.1648
					12	6	22.40	0.1738
					12	11	22.64	0.1837
					25	0	22.49	0.1774

Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 17	10MHz	23780	709.0	QPSK	1	0	23.00	0.1995
					1	24	22.36	0.1722
					1	49	23.05	0.2018
					25	0	22.97	0.1982
					25	12	22.69	0.1858
					25	24	23.04	0.2014
					50	0	22.95	0.1972
				16-QAM	1	0	22.29	0.1694
					1	24	21.75	0.1496
					1	49	22.54	0.1795
					25	0	22.04	0.1600
					25	12	21.80	0.1514
					25	24	22.16	0.1644
					50	0	22.08	0.1614
		23790	710.0	QPSK	1	0	23.02	0.2004
					1	24	22.49	0.1774
					1	49	23.16	0.2070
					25	0	23.02	0.2004
					25	12	22.87	0.1936
					25	24	23.02	0.2004
					50	0	23.04	0.2014
				16-QAM	1	0	22.30	0.1698
					1	24	21.86	0.1535
					1	49	22.76	0.1888
					25	0	22.01	0.1589
					25	12	21.85	0.1531
					25	24	22.10	0.1622
					50	0	22.21	0.1663
		23800	711.0	QPSK	1	0	23.10	0.2042
					1	24	22.69	0.1858
					1	49	**23.32**	0.2148
					25	0	23.02	0.2004
					25	12	22.80	0.1905
					25	24	23.27	0.2123
					50	0	23.20	0.2089
				16-QAM	1	0	22.38	0.1730
					1	24	21.83	0.1524
					1	49	22.78	0.1897
					25	0	22.08	0.1614
					25	12	21.85	0.1531
					25	24	22.30	0.1698
					50	0	22.27	0.1687

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

See list of measuring instruments of this test report.

3.2.3 Test Procedures

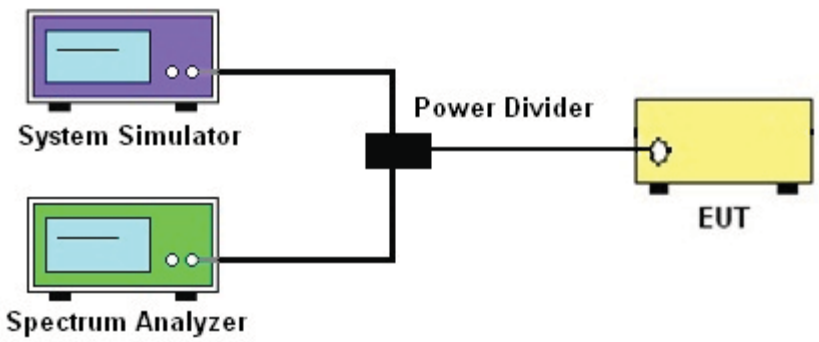
1. The EUT was connected to Spectrum Analyzer and Base Station via power divider.
2. For LTE operating modes:

a. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.

b. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.

3. Record the deviation as Peak to Average Ratio.

3.2.4 Test Setup



3.2.5 Test Result of Peak-to-Average Ratio

Modes	LTE Band 5			
BW / Mod.	1.4MHz / QPSK	1.4MHz / 16QAM	3MHz / QPSK	3MHz / 16QAM
Peak-to-Average Ratio (dB)	5.10	5.74	5.45	6.06
BW / Mod.	5MHz / QPSK	5MHz / 16QAM	10MHz / QPSK	10MHz / 16QAM
Peak-to-Average Ratio (dB)	5.35	5.83	5.71	6.03

Modes	LTE Band 2			
BW / Mod.	1.4MHz / QPSK	1.4MHz / 16QAM	3MHz / QPSK	3MHz / 16QAM
Peak-to-Average Ratio (dB)	5.06	5.45	5.48	5.96
BW / Mod.	5MHz / QPSK	5MHz / 16QAM	10MHz / QPSK	10MHz / 16QAM
Peak-to-Average Ratio (dB)	5.32	5.74	5.51	5.87
BW / Mod.	15MHz / QPSK	15MHz / 16QAM	20MHz / QPSK	20MHz / 16QAM
Peak-to-Average Ratio (dB)	5.19	5.58	5.32	5.80

Modes	LTE Band 4			
BW / Mod.	1.4MHz / QPSK	1.4MHz / 16QAM	3MHz / QPSK	3MHz / 16QAM
Peak-to-Average Ratio (dB)	4.87	4.58	5.22	5.32
BW / Mod.	5MHz / QPSK	5MHz / 16QAM	10MHz / QPSK	10MHz / 16QAM
Peak-to-Average Ratio (dB)	4.81	4.74	5.32	5.51
BW / Mod.	15MHz / QPSK	15MHz / 16QAM	20MHz / QPSK	20MHz / 16QAM
Peak-to-Average Ratio (dB)	4.90	5.10	5.06	5.32

Modes	LTE Band 7			
BW / Mod.	5MHz / QPSK	5MHz / 16QAM	10MHz / QPSK	10MHz / 16QAM
Peak-to-Average Ratio (dB)	5.10	5.71	5.54	5.96
BW / Mod.	15MHz / QPSK	15MHz / 16QAM	20MHz / QPSK	20MHz / 16QAM
Peak-to-Average Ratio (dB)	5.10	5.80	5.42	6.03

Modes	LTE Band 13			
BW / Mod.	5MHz / QPSK	5MHz / 16QAM	10MHz / QPSK	10MHz / 16QAM
Peak-to-Average Ratio (dB)	5.19	5.74	5.54	6.09

Modes	LTE Band 17			
BW / Mod.	5MHz / QPSK	5MHz / 16QAM	10MHz / QPSK	10MHz / 16QAM
Peak-to-Average Ratio (dB)	5.48	5.93	5.67	6.09

Note:

The maximum RB configurations of the PAPR summary as below:

BW1.4M RB setting：RB Size 6, RB offset 0

BW3.0M RB setting：RB Size 15, RB offset 0

BW5.0M RB setting：RB Size 25, RB offset 0

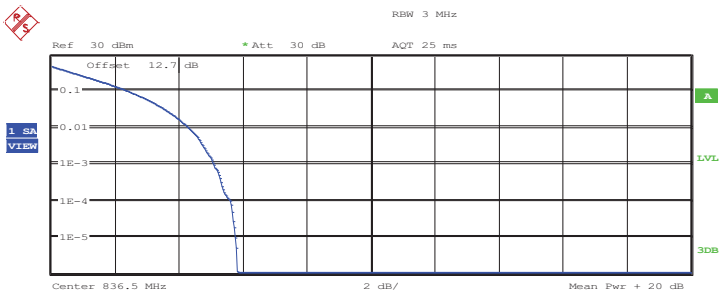
BW10M RB setting：RB Size 50, RB offset 0

BW15M RB setting：RB Size 75, RB offset 0

BW20M RB setting：RB Size 100, RB offset 0

3.2.6 Peak to Average Power Ratio

Peak-to-Average Ratio on LTE Band 5 1.4MHz / QPSK

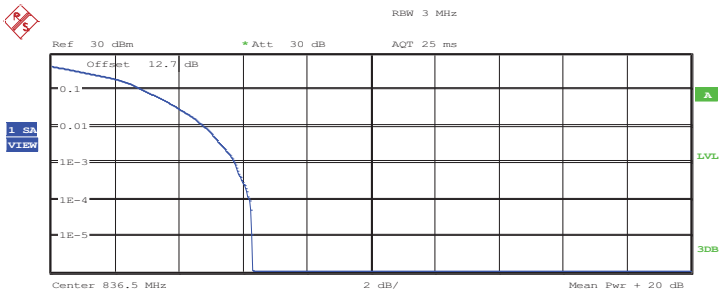


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 3.5MHz

	Trace 1
Mean	21.48 dBm
Peak	27.31 dBm
Crest	5.83 dB
10 %	2.40 dB
1 %	4.29 dB
.1 %	5.10 dB
.01 %	5.58 dB

Date: 17.JUN.2013 14:09:54

Peak-to-Average Ratio on LTE Band 5 1.4MHz / 16QAM

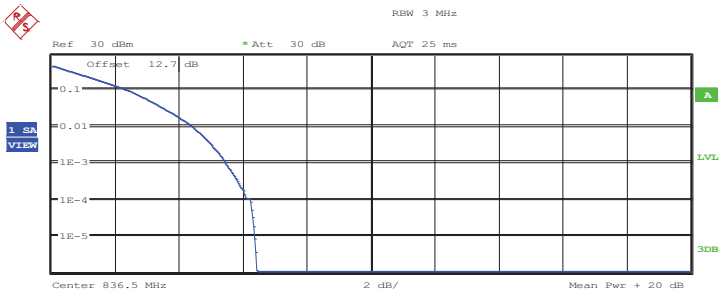


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 3.5MHz

	Trace 1
Mean	20.68 dBm
Peak	26.96 dBm
Crest	6.28 dB
10 %	2.85 dB
1 %	4.78 dB
.1 %	5.74 dB
.01 %	6.19 dB

Date: 17.JUN.2013 14:09:22

Peak-to-Average Ratio on LTE Band 5 3MHz / QPSK

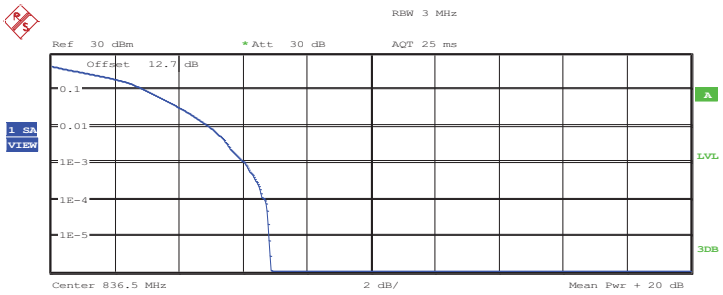


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 3.5MHz

	Trace 1
Mean	21.45 dBm
Peak	27.87 dBm
Crest	6.42 dB
10 %	2.40 dB
1 %	4.39 dB
.1 %	5.45 dB
.01 %	6.22 dB

Date: 17.JUN.2013 14:11:11

Peak-to-Average Ratio on LTE Band 5 3MHz / 16QAM

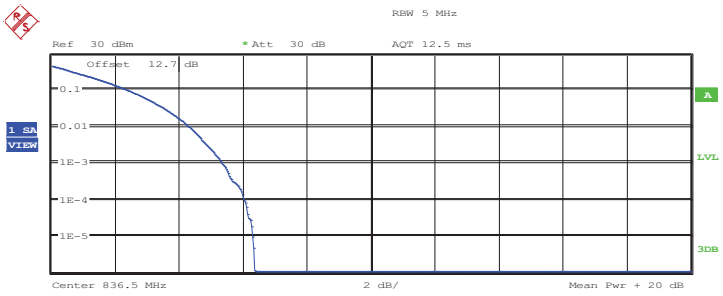


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 3.5MHz

	Trace 1
Mean	20.80 dBm
Peak	27.66 dBm
Crest	6.87 dB
10 %	2.92 dB
1 %	4.94 dB
.1 %	6.06 dB
.01 %	6.70 dB

Date: 17.JUN.2013 14:11:47

Peak-to-Average Ratio on LTE Band 5 5MHz / QPSK

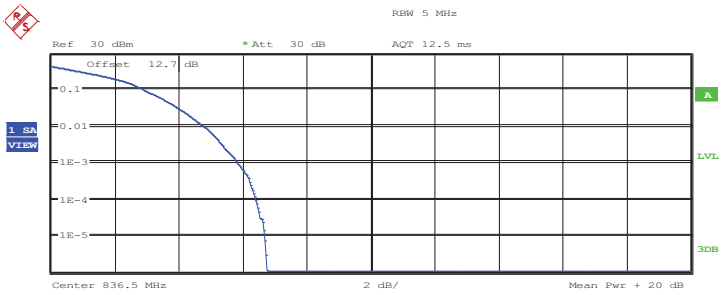


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 7.1MHz

	Trace 1
Mean	21.51 dBm
Peak	27.87 dBm
Crest	6.37 dB
10 %	2.40 dB
1 %	4.29 dB
.1 %	5.35 dB
.01 %	6.03 dB

Date: 17.JUN.2013 14:14:12

Peak-to-Average Ratio on LTE Band 5 5MHz / 16QAM

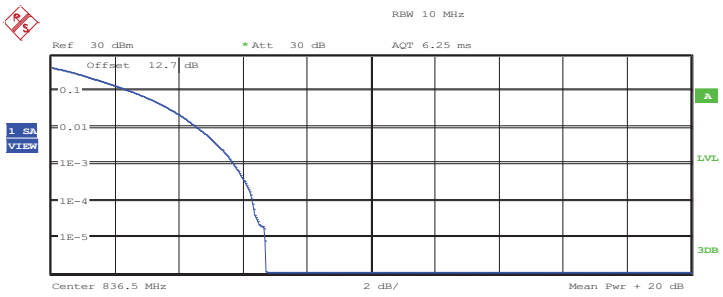


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 7.1MHz

	Trace 1
Mean	20.78 dBm
Peak	27.52 dBm
Crest	6.74 dB
10 %	2.92 dB
1 %	4.78 dB
.1 %	5.83 dB
.01 %	6.41 dB

Date: 17.JUN.2013 14:13:46

Peak-to-Average Ratio on LTE Band 5 10MHz / QPSK

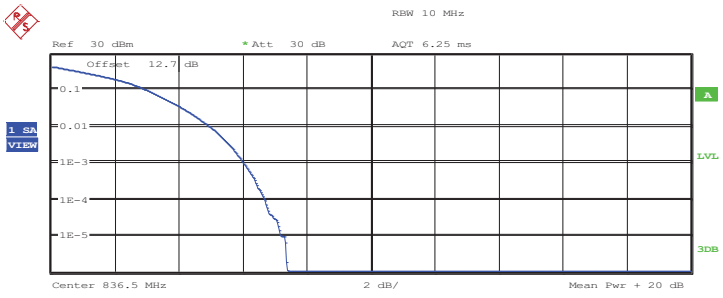


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	21.16 dBm
Peak	27.87 dBm
Crest	6.72 dB
10 %	2.50 dB
1 %	4.55 dB
.1 %	5.71 dB
.01 %	6.28 dB

Date: 17.JUN.2013 14:15:20

Peak-to-Average Ratio on LTE Band 5 10MHz / 16QAM

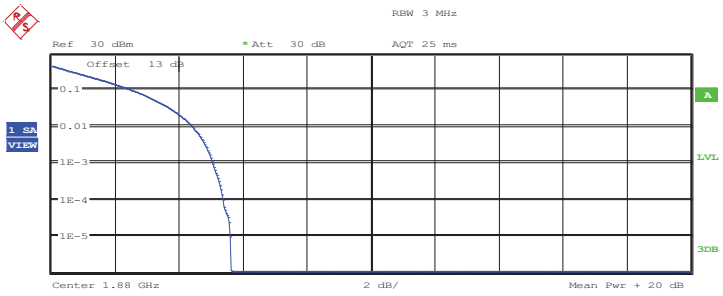


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	20.64 dBm
Peak	28.01 dBm
Crest	7.37 dB
10 %	2.98 dB
1 %	4.94 dB
.1 %	6.03 dB
.01 %	6.67 dB

Date: 17.JUN.2013 14:15:49

Peak-to-Average Ratio on LTE Band 2 1.4MHz / QPSK

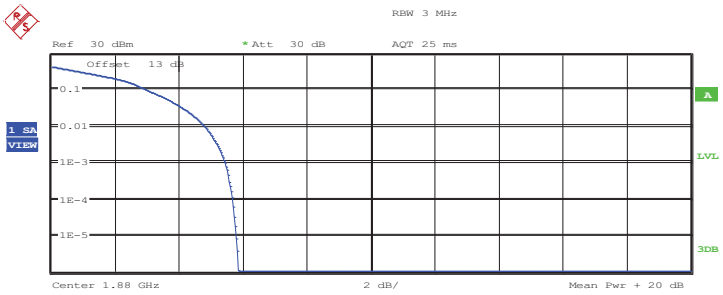


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 3.5MHz

	Trace 1
Mean	20.49 dBm
Peak	26.11 dBm
Crest	5.62 dB
10 %	2.53 dB
1 %	4.39 dB
.1 %	5.06 dB
.01 %	5.38 dB

Date: 15.JUN.2013 04:40:56

Peak-to-Average Ratio on LTE Band 2 1.4MHz / 16QAM

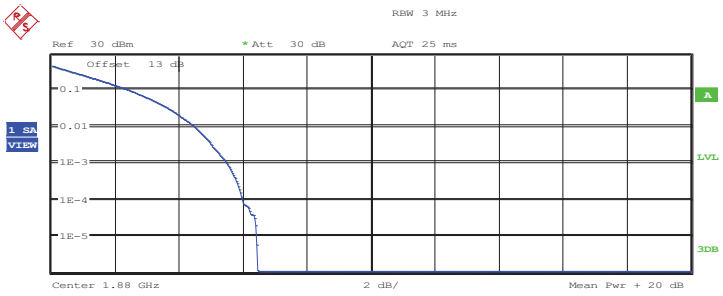


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 3.5MHz

	Trace 1
Mean	19.98 dBm
Peak	25.83 dBm
Crest	5.85 dB
10 %	2.98 dB
1 %	4.81 dB
.1 %	5.45 dB
.01 %	5.67 dB

Date: 15.JUN.2013 04:41:34

Peak-to-Average Ratio on LTE Band 2 3MHz / QPSK

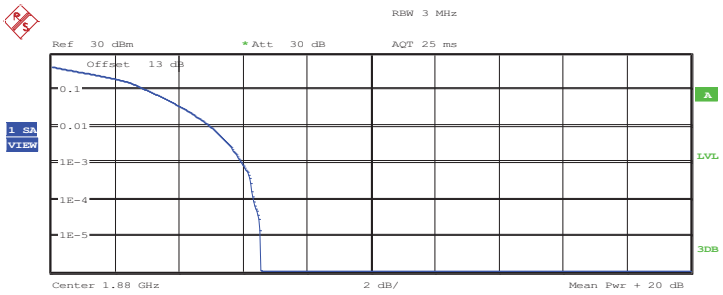


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 3.5MHz

	Trace 1
Mean	20.44 dBm
Peak	26.89 dBm
Crest	6.45 dB
10 %	2.44 dB
1 %	4.46 dB
.1 %	5.48 dB
.01 %	5.99 dB

Date: 15.JUN.2013 04:42:14

Peak-to-Average Ratio on LTE Band 2 3MHz / 16QAM

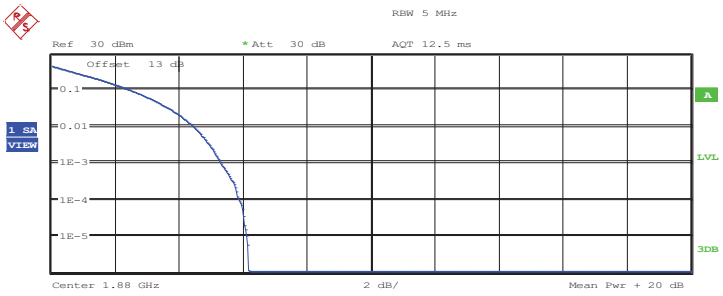


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 3.5MHz

	Trace 1
Mean	19.97 dBm
Peak	26.53 dBm
Crest	6.56 dB
10 %	2.98 dB
1 %	4.97 dB
.1 %	5.96 dB
.01 %	6.31 dB

Date: 15.JUN.2013 04:42:33

Peak-to-Average Ratio on LTE Band 2 5MHz / QPSK

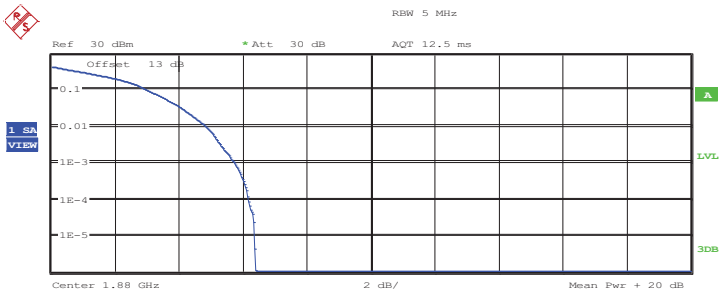


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 7.1MHz

	Trace 1
Mean	20.49 dBm
Peak	26.67 dBm
Crest	6.18 dB
10 %	2.50 dB
1 %	4.42 dB
.1 %	5.32 dB
.01 %	5.87 dB

Date: 15.JUN.2013 04:47:05

Peak-to-Average Ratio on LTE Band 2 5MHz / 16QAM

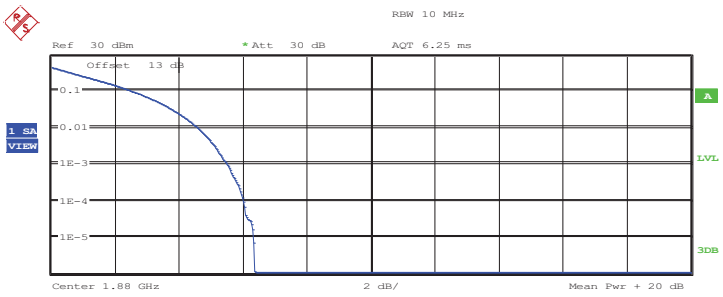


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 7.1MHz

	Trace 1
Mean	20.02 dBm
Peak	26.39 dBm
Crest	6.38 dB
10 %	3.01 dB
1 %	4.81 dB
.1 %	5.74 dB
.01 %	6.19 dB

Date: 15.JUN.2013 04:47:21

Peak-to-Average Ratio on LTE Band 2 10MHz / QPSK

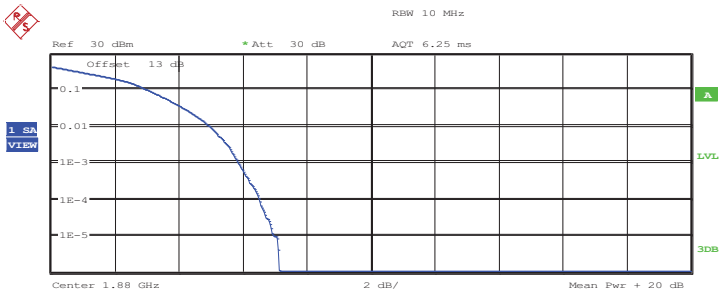


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	20.55 dBm
Peak	26.91 dBm
Crest	6.36 dB
10 %	2.53 dB
1 %	4.58 dB
.1 %	5.51 dB
.01 %	6.03 dB

Date: 15.JUN.2013 04:45:58

Peak-to-Average Ratio on LTE Band 2 10MHz / 16QAM

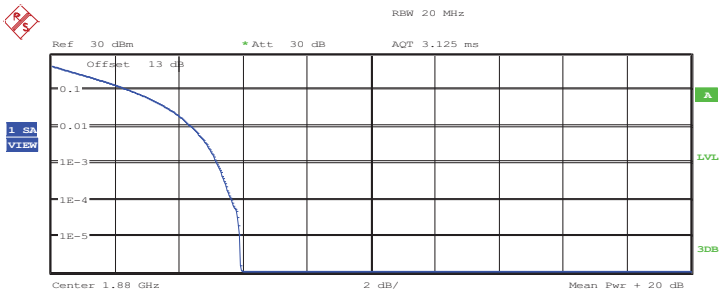


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	19.99 dBm
Peak	27.12 dBm
Crest	7.13 dB
10 %	3.01 dB
1 %	4.94 dB
.1 %	5.87 dB
.01 %	6.51 dB

Date: 15.JUN.2013 04:46:11

Peak-to-Average Ratio on LTE Band 2 15MHz / QPSK

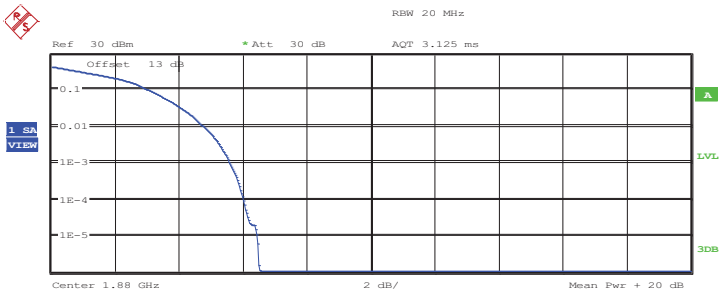


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	20.83 dBm
Peak	26.75 dBm
Crest	5.93 dB
10 %	2.47 dB
1 %	4.36 dB
.1 %	5.19 dB
.01 %	5.64 dB

Date: 15.JUN.2013 04:48:35

Peak-to-Average Ratio on LTE Band 2 15MHz / 16QAM

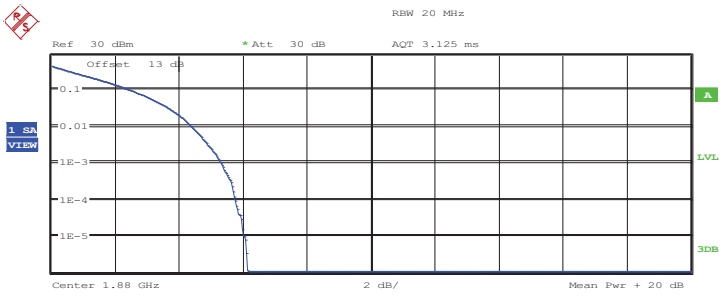


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	20.18 dBm
Peak	26.68 dBm
Crest	6.51 dB
10 %	3.04 dB
1 %	4.74 dB
.1 %	5.58 dB
.01 %	6.03 dB

Date: 15.JUN.2013 04:48:47

Peak-to-Average Ratio on LTE Band 2 20MHz / QPSK

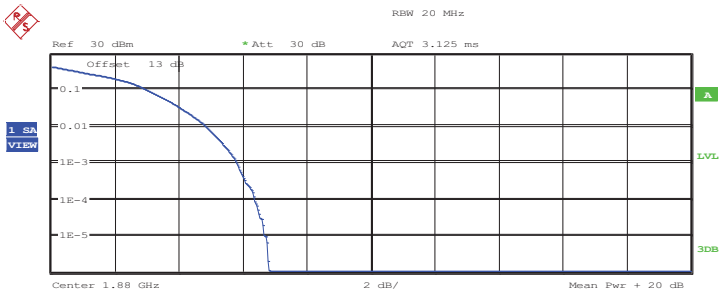


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	20.76 dBm
Peak	26.89 dBm
Crest	6.14 dB
10 %	2.50 dB
1 %	4.39 dB
.1 %	5.32 dB
.01 %	5.77 dB

Date: 15.JUN.2013 04:49:16

Peak-to-Average Ratio on LTE Band 2 20MHz / 16QAM

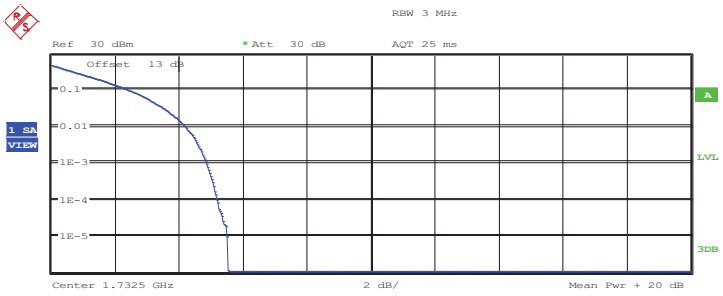


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	20.17 dBm
Peak	26.97 dBm
Crest	6.80 dB
10 %	3.01 dB
1 %	4.81 dB
.1 %	5.80 dB
.01 %	6.38 dB

Date: 15.JUN.2013 04:49:32

Peak-to-Average Ratio on LTE Band 4 1.4MHz / QPSK

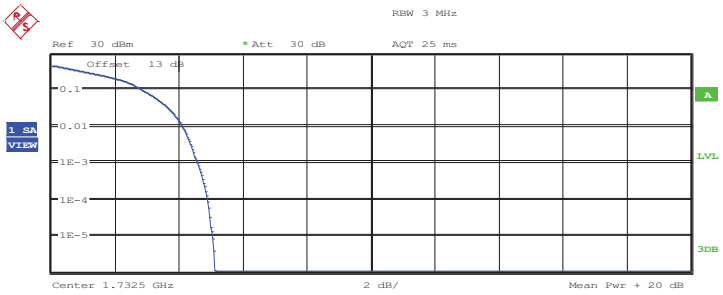


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 3.5MHz

	Trace 1
Mean	22.13 dBm
Peak	27.66 dBm
Crest	5.54 dB
10 %	2.44 dB
1 %	4.17 dB
.1 %	4.87 dB
.01 %	5.19 dB

Date: 16.JUN.2013 12:53:59

Peak-to-Average Ratio on LTE Band 4 1.4MHz / 16QAM

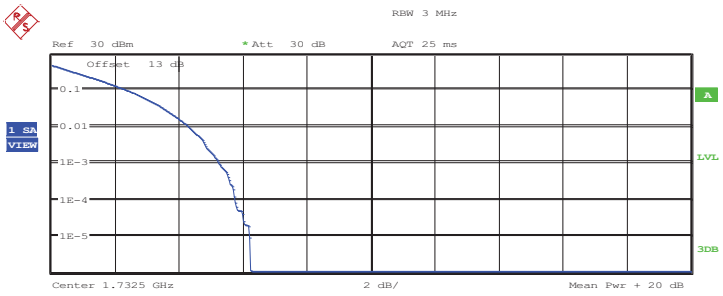


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 3.5MHz

	Trace 1
Mean	21.49 dBm
Peak	26.60 dBm
Crest	5.11 dB
10 %	2.85 dB
1 %	4.10 dB
.1 %	4.58 dB
.01 %	4.90 dB

Date: 16.JUN.2013 12:54:20

Peak-to-Average Ratio on LTE Band 4 3MHz / QPSK

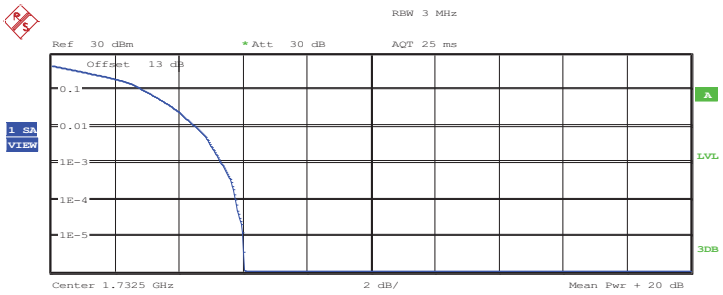


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 3.5MHz

	Trace 1
Mean	22.34 dBm
Peak	28.58 dBm
Crest	6.24 dB
10 %	2.37 dB
1 %	4.29 dB
.1 %	5.22 dB
.01 %	5.77 dB

Date: 16.JUN.2013 12:53:40

Peak-to-Average Ratio on LTE Band 4 3MHz / 16QAM

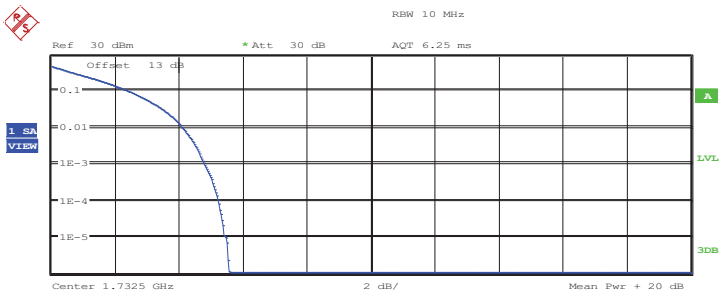


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 3.5MHz

	Trace 1
Mean	21.71 dBm
Peak	27.73 dBm
Crest	6.03 dB
10 %	2.88 dB
1 %	4.49 dB
.1 %	5.32 dB
.01 %	5.77 dB

Date: 16.JUN.2013 12:53:28

Peak-to-Average Ratio on LTE Band 4 5MHz / QPSK

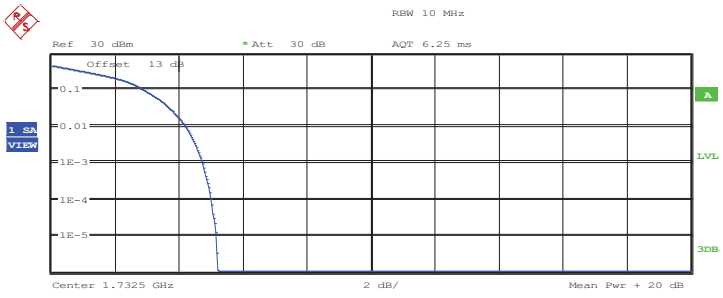


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	22.86 dBm
Peak	28.41 dBm
Crest	5.55 dB
10 %	2.44 dB
1 %	4.10 dB
.1 %	4.81 dB
.01 %	5.22 dB

Date: 16.JUN.2013 12:52:05

Peak-to-Average Ratio on LTE Band 4 5MHz / 16QAM

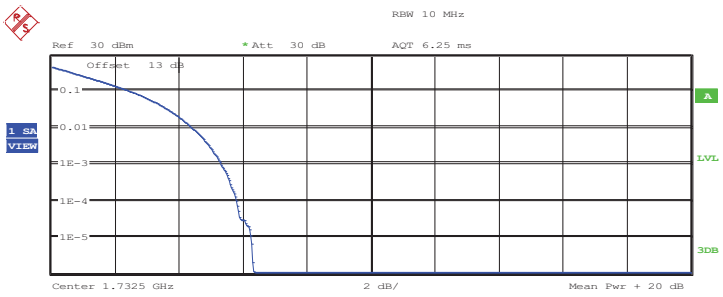


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	22.23 dBm
Peak	27.43 dBm
Crest	5.20 dB
10 %	2.88 dB
1 %	4.20 dB
.1 %	4.74 dB
.01 %	5.00 dB

Date: 16.JUN.2013 12:52:54

Peak-to-Average Ratio on LTE Band 4 10MHz / QPSK

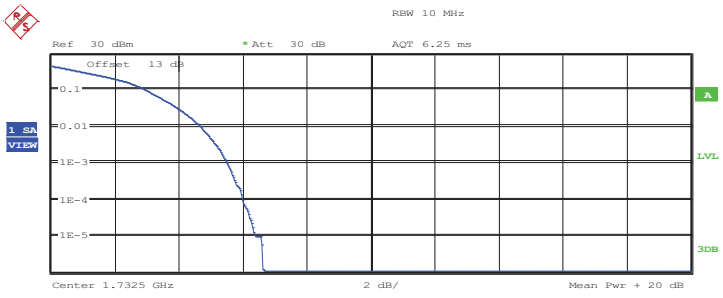


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	22.73 dBm
Peak	29.05 dBm
Crest	6.32 dB
10 %	2.47 dB
1 %	4.39 dB
.1 %	5.32 dB
.01 %	5.80 dB

Date: 16.JUN.2013 12:50:35

Peak-to-Average Ratio on LTE Band 4 10MHz / 16QAM

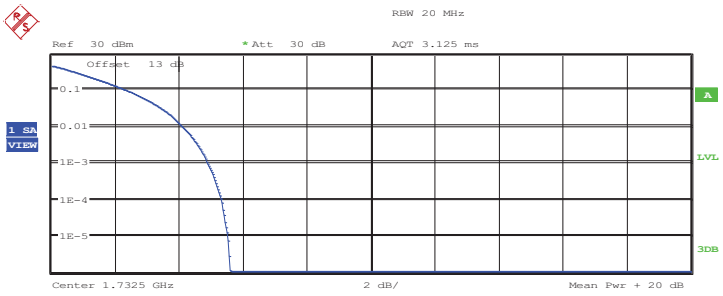


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	21.99 dBm
Peak	28.63 dBm
Crest	6.63 dB
10 %	2.95 dB
1 %	4.65 dB
.1 %	5.51 dB
.01 %	5.99 dB

Date: 16.JUN.2013 12:50:24

Peak-to-Average Ratio on LTE Band 4 15MHz / QPSK

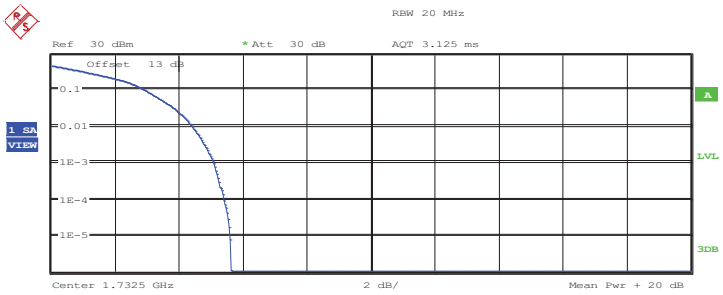


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	22.83 dBm
Peak	28.42 dBm
Crest	5.59 dB
10 %	2.37 dB
1 %	4.10 dB
.1 %	4.90 dB
.01 %	5.32 dB

Date: 16.JUN.2013 12:49:38

Peak-to-Average Ratio on LTE Band 4 15MHz / 16QAM

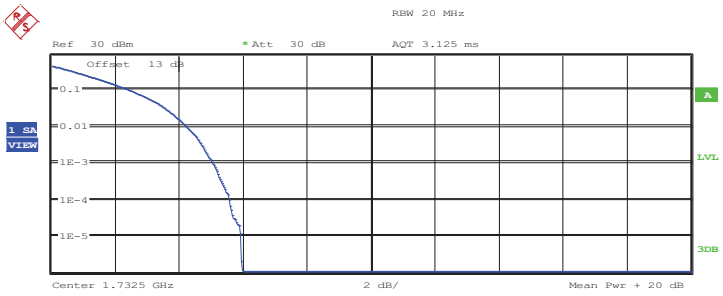


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	22.09 dBm
Peak	27.72 dBm
Crest	5.63 dB
10 %	2.92 dB
1 %	4.39 dB
.1 %	5.10 dB
.01 %	5.42 dB

Date: 16.JUN.2013 12:49:27

Peak-to-Average Ratio on LTE Band 4 20MHz / QPSK

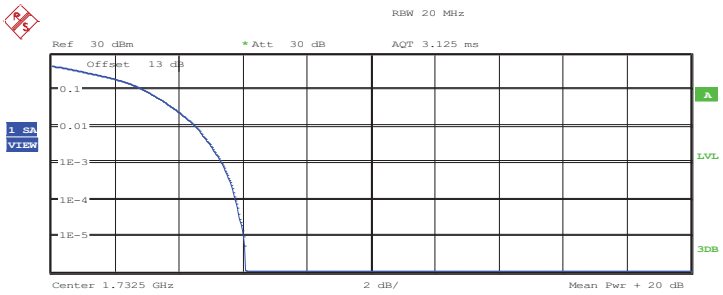


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	22.74 dBm
Peak	28.70 dBm
Crest	5.96 dB
10 %	2.47 dB
1 %	4.23 dB
.1 %	5.06 dB
.01 %	5.58 dB

Date: 16.JUN.2013 12:48:28

Peak-to-Average Ratio on LTE Band 4 20MHz / 16QAM

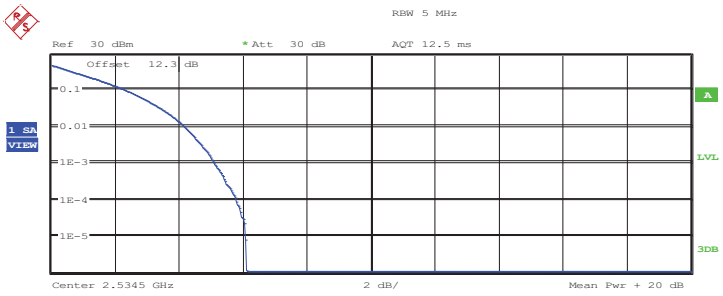


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	21.98 dBm
Peak	28.07 dBm
Crest	6.08 dB
10 %	2.92 dB
1 %	4.49 dB
.1 %	5.32 dB
.01 %	5.77 dB

Date: 16.JUN.2013 12:48:54

Peak-to-Average Ratio on LTE Band 7 5MHz / QPSK

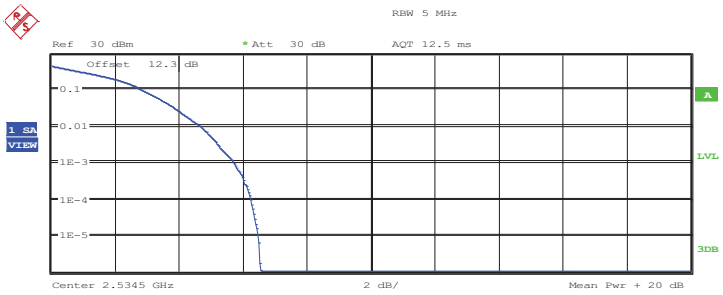


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 7.1MHz

	Trace 1
Mean	19.94 dBm
Peak	26.04 dBm
Crest	6.10 dB
10 %	2.34 dB
1 %	4.17 dB
.1 %	5.10 dB
.01 %	5.77 dB

Date: 18.JUN.2013 17:56:38

Peak-to-Average Ratio on LTE Band 7 5MHz / 16QAM

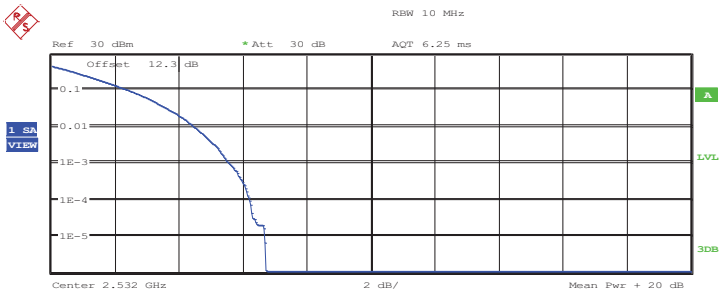


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 7.1MHz

	Trace 1
Mean	19.36 dBm
Peak	25.90 dBm
Crest	6.54 dB
10 %	2.85 dB
1 %	4.65 dB
.1 %	5.71 dB
.01 %	6.25 dB

Date: 18.JUN.2013 17:56:20

Peak-to-Average Ratio on LTE Band 7 10MHz / QPSK

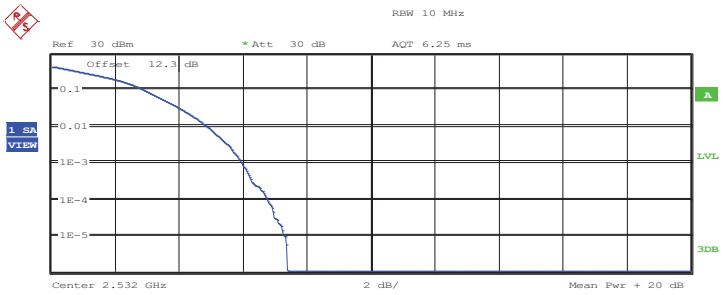


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	20.05 dBm
Peak	26.76 dBm
Crest	6.71 dB
10 %	2.40 dB
1 %	4.46 dB
.1 %	5.54 dB
.01 %	6.22 dB

Date: 18.JUN.2013 17:54:27

Peak-to-Average Ratio on LTE Band 7 10MHz / 16QAM

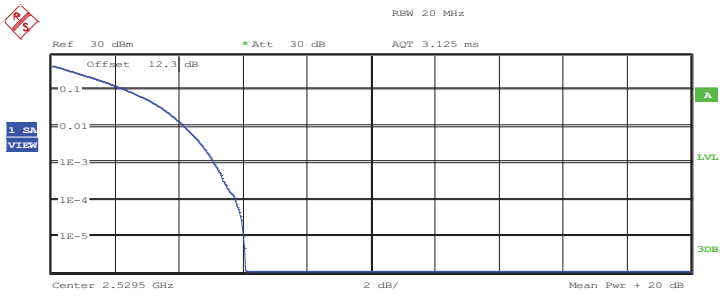


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	19.65 dBm
Peak	27.05 dBm
Crest	7.40 dB
10 %	2.88 dB
1 %	4.87 dB
.1 %	5.96 dB
.01 %	6.76 dB

Date: 18.JUN.2013 17:54:48

Peak-to-Average Ratio on LTE Band 7 15MHz / QPSK

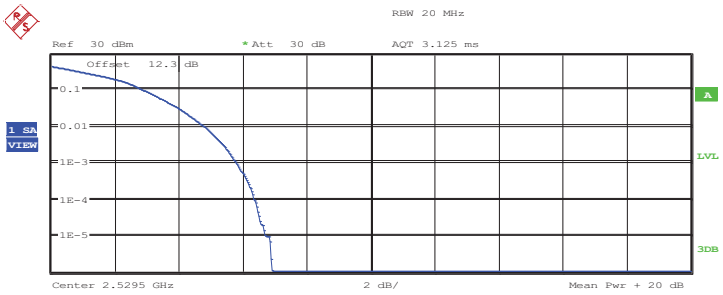


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	20.44 dBm
Peak	26.52 dBm
Crest	6.08 dB
10 %	2.37 dB
1 %	4.13 dB
.1 %	5.10 dB
.01 %	5.77 dB

Date: 18.JUN.2013 17:52:48

Peak-to-Average Ratio on LTE Band 7 15MHz / 16QAM

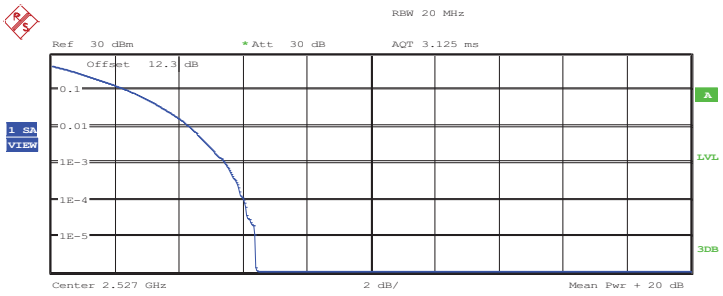


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	19.77 dBm
Peak	26.66 dBm
Crest	6.90 dB
10 %	2.88 dB
1 %	4.78 dB
.1 %	5.80 dB
.01 %	6.35 dB

Date: 18.JUN.2013 17:52:33

Peak-to-Average Ratio on LTE Band 7 20MHz / QPSK

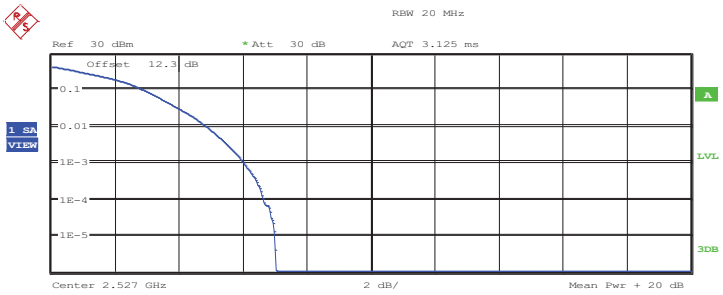


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	20.10 dBm
Peak	26.50 dBm
Crest	6.40 dB
10 %	2.37 dB
1 %	4.29 dB
.1 %	5.42 dB
.01 %	6.03 dB

Date: 18.JUN.2013 17:50:11

Peak-to-Average Ratio on LTE Band 7 20MHz / 16QAM

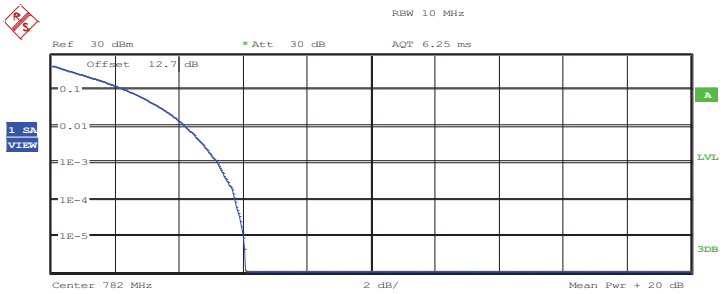


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 23.7MHz

	Trace 1
Mean	19.62 dBm
Peak	26.65 dBm
Crest	7.02 dB
10 %	2.88 dB
1 %	4.84 dB
.1 %	6.03 dB
.01 %	6.63 dB

Date: 18.JUN.2013 17:50:34

Peak-to-Average Ratio on LTE Band 13 5MHz / QPSK

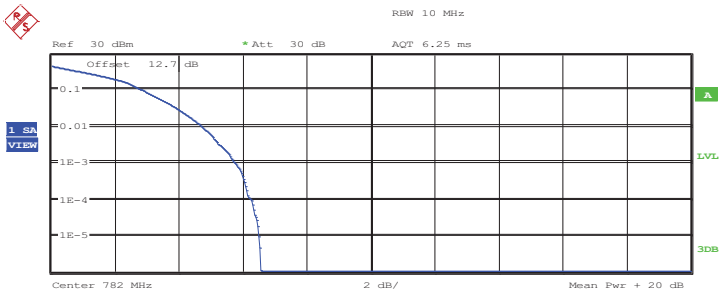


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	21.25 dBm
Peak	27.33 dBm
Crest	6.08 dB
10 %	2.34 dB
1 %	4.20 dB
.1 %	5.19 dB
.01 %	5.74 dB

Date: 17.JUN.2013 15:46:46

Peak-to-Average Ratio on LTE Band 13 5MHz / 16QAM

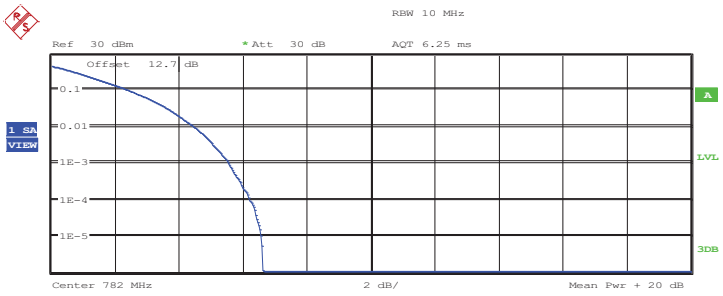


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	20.62 dBm
Peak	27.19 dBm
Crest	6.56 dB
10 %	2.85 dB
1 %	4.71 dB
.1 %	5.74 dB
.01 %	6.22 dB

Date: 17.JUN.2013 15:45:24

Peak-to-Average Ratio on LTE Band 13 10MHz / QPSK

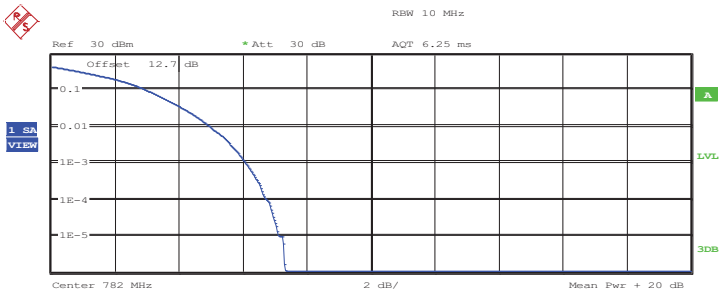


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	21.61 dBm
Peak	28.24 dBm
Crest	6.63 dB
10 %	2.44 dB
1 %	4.46 dB
.1 %	5.54 dB
.01 %	6.22 dB

Date: 17.JUN.2013 15:43:51

Peak-to-Average Ratio on LTE Band 13 10MHz / 16QAM

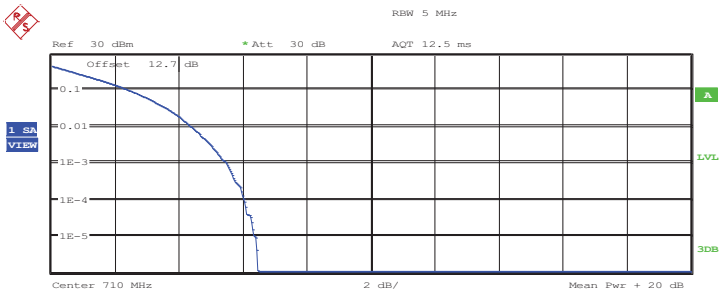


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	20.87 dBm
Peak	28.17 dBm
Crest	7.31 dB
10 %	2.98 dB
1 %	4.94 dB
.1 %	6.09 dB
.01 %	6.73 dB

Date: 17.JUN.2013 15:44:21

Peak-to-Average Ratio on LTE Band 17 5MHz / QPSK

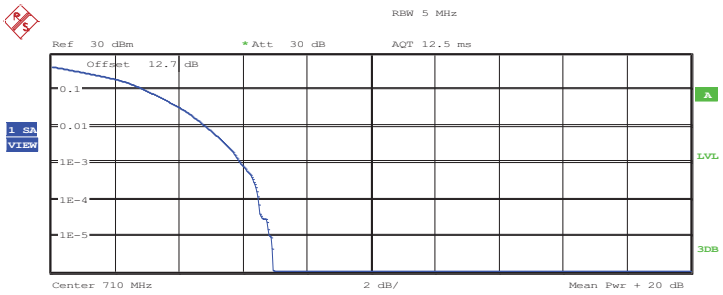


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 7.1MHz

	Trace 1
Mean	22.75 dBm
Peak	29.21 dBm
Crest	6.46 dB
10 %	2.44 dB
1 %	4.36 dB
.1 %	5.48 dB
.01 %	6.03 dB

Date: 18.JUN.2013 16:03:11

Peak-to-Average Ratio on LTE Band 17 5MHz / 16QAM

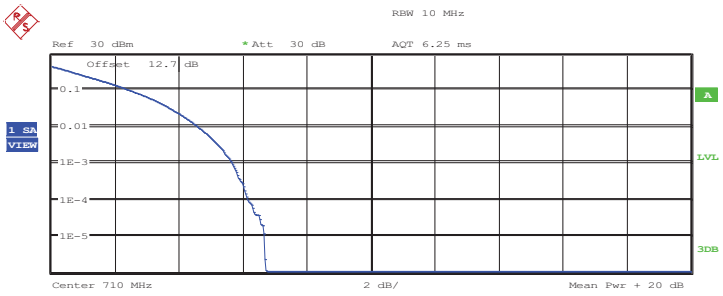


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 7.1MHz

	Trace 1
Mean	21.99 dBm
Peak	28.93 dBm
Crest	6.94 dB
10 %	2.95 dB
1 %	4.81 dB
.1 %	5.93 dB
.01 %	6.47 dB

Date: 18.JUN.2013 16:03:39

Peak-to-Average Ratio on LTE Band 17 10MHz / QPSK

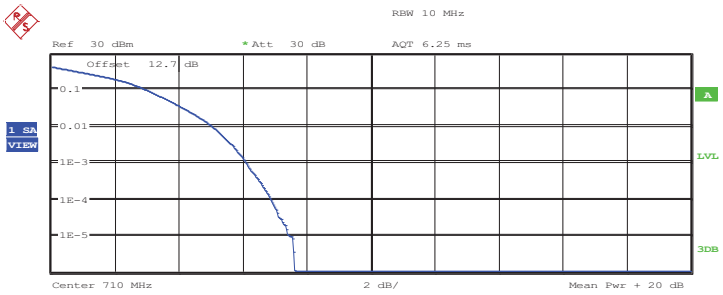


Complementary Cumulative Distribution Function
NOF samples: 100000, Usable BW: 11.2MHz

	Trace 1
Mean	23.16 dBm
Peak	29.85 dBm
Crest	6.70 dB
10 %	2.47 dB
1 %	4.58 dB
.1 %	5.67 dB
.01 %	6.15 dB

Date: 18.JUN.2013 16:04:50

Peak-to-Average Ratio on LTE Band 17 10MHz / 16QAM



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

	Trace 1
Mean	22.53 dBm
Peak	30.14 dBm
Crest	7.61 dB
10 %	2.98 dB
1 %	5.00 dB
.1 %	6.09 dB
.01 %	6.86 dB

Date: 18.JUN.2013 16:04:27

3.3 Occupied Bandwidth

3.3.1 Description of Occupied Bandwidth Measurement

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

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

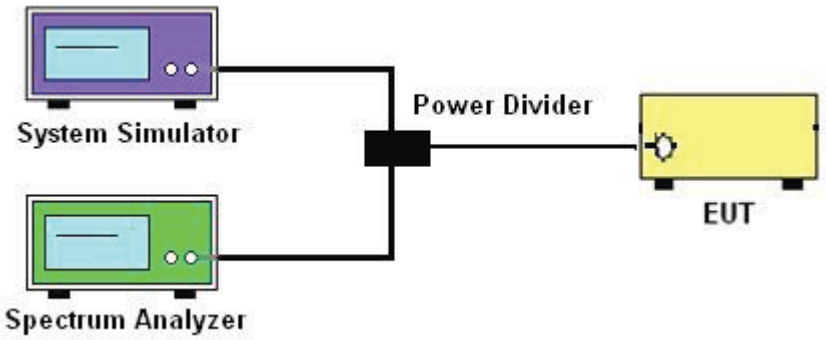
3.3.2 Measuring Instruments

See list of measuring instruments of this test report.

3.3.3 Test Procedures

1. The EUT was connected to Spectrum Analyzer and Base Station via power divider.
2. The 26dB and 99% occupied bandwidth (BW) of the middle channel for the highest RF powers with full RB sizes were measured.

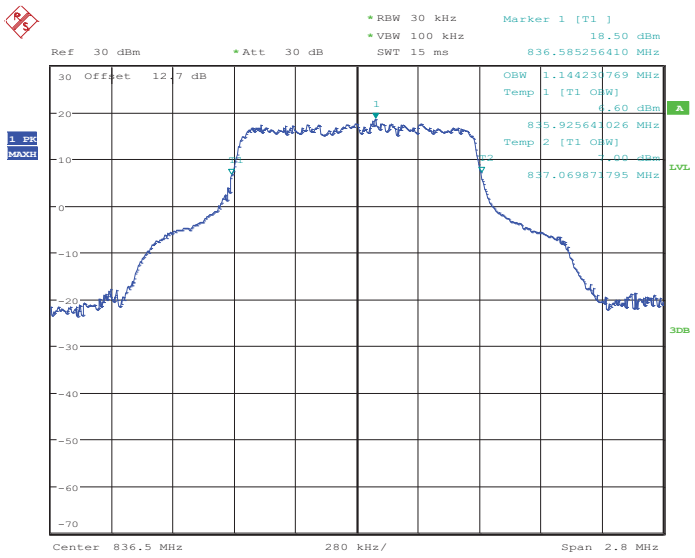
3.3.4 Test Setup



3.3.5 Test Result (Plots) of Occupied Bandwidth

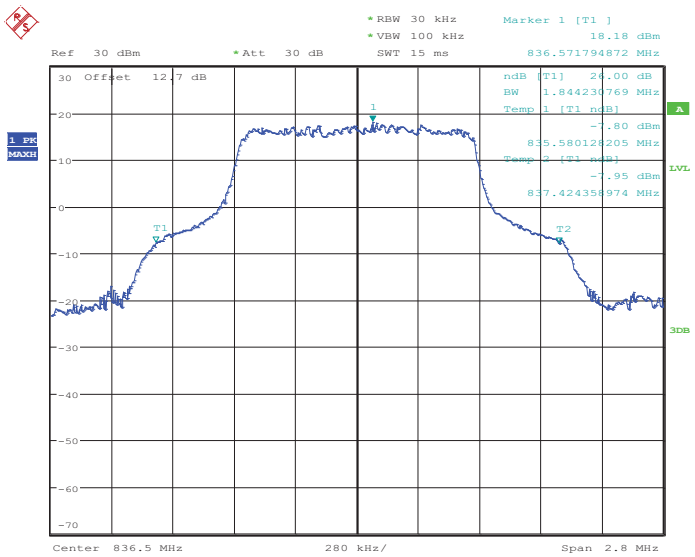
Band :	LTE Band 5	BW / Mod. :	1.4MHz / QPSK

99% Occupied Bandwidth Plot on Channel 20525



Date: 17.JUN.2013 10:32:23

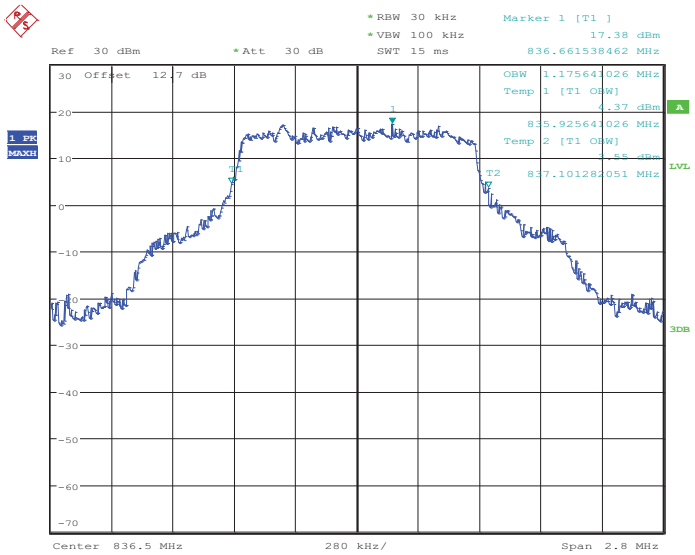
26dB Bandwidth Plot on Channel 20525



Date: 17.JUN.2013 11:18:53

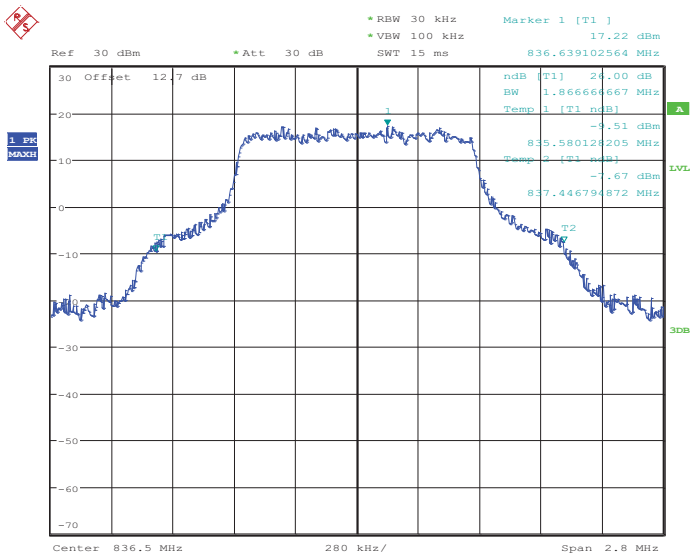
Band :	LTE Band 5	BW / Mod. :	1.4MHz / 16QAM

99% Occupied Bandwidth Plot on Channel 20525



Date: 17.JUN.2013 10:33:04

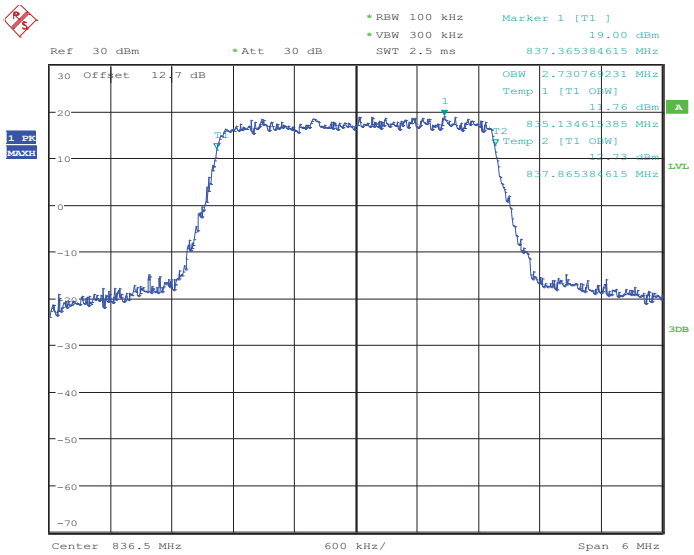
26dB Bandwidth Plot on Channel 20525



Date: 17.JUN.2013 11:22:41

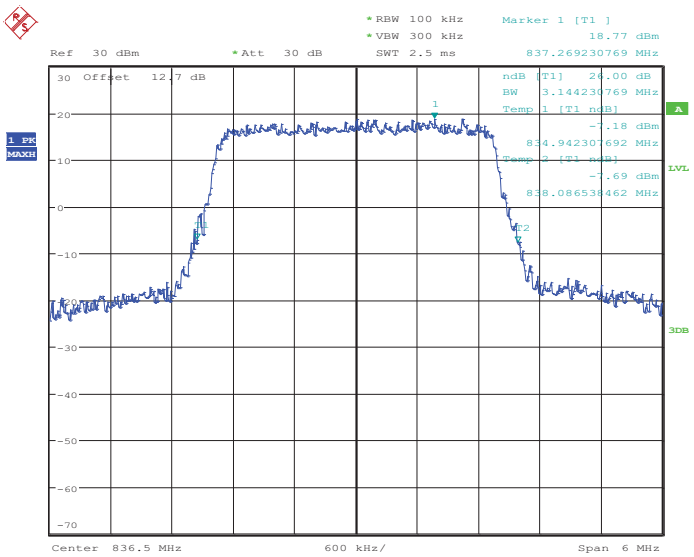
Band :	LTE Band 5	BW / Mod. :	3MHz / QPSK

99% Occupied Bandwidth Plot on Channel 20525



Date: 17.JUN.2013 10:37:08

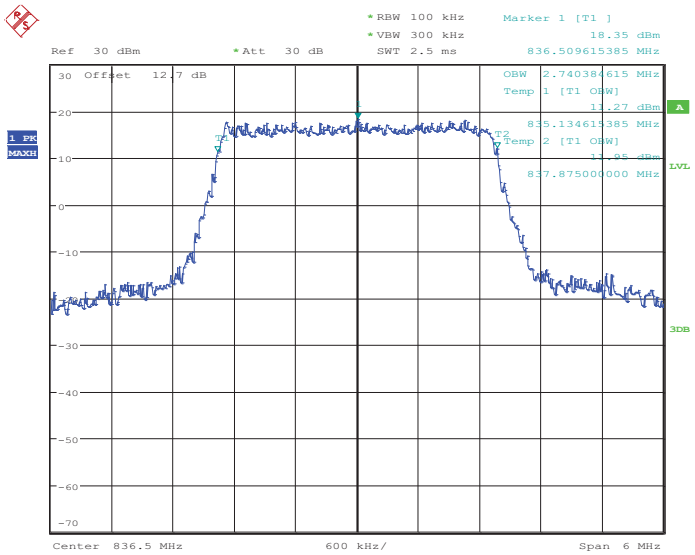
26dB Bandwidth Plot on Channel 20525



Date: 17.JUN.2013 11:23:53

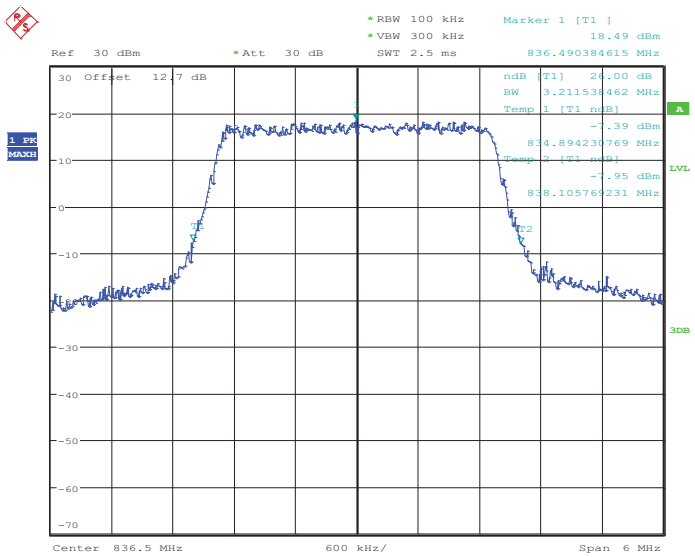
Band :	LTE Band 5	BW / Mod. :	3MHz / 16QAM

99% Occupied Bandwidth Plot on Channel 20525



Date: 17.JUN.2013 10:37:26

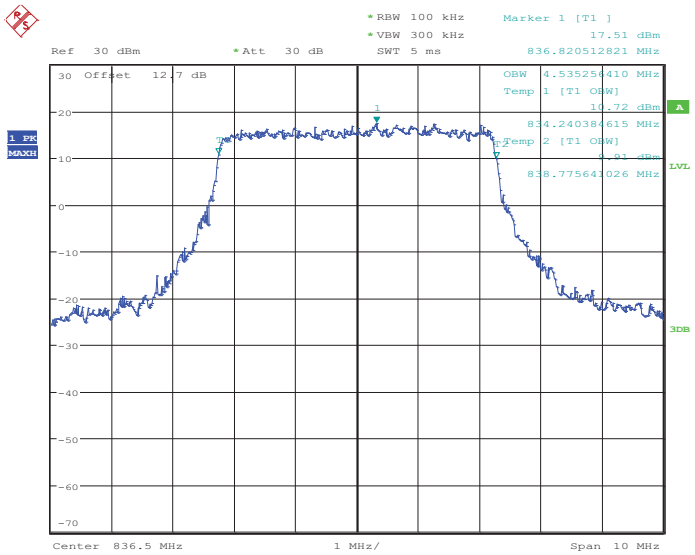
26dB Bandwidth Plot on Channel 20525



Date: 17.JUN.2013 11:23:38

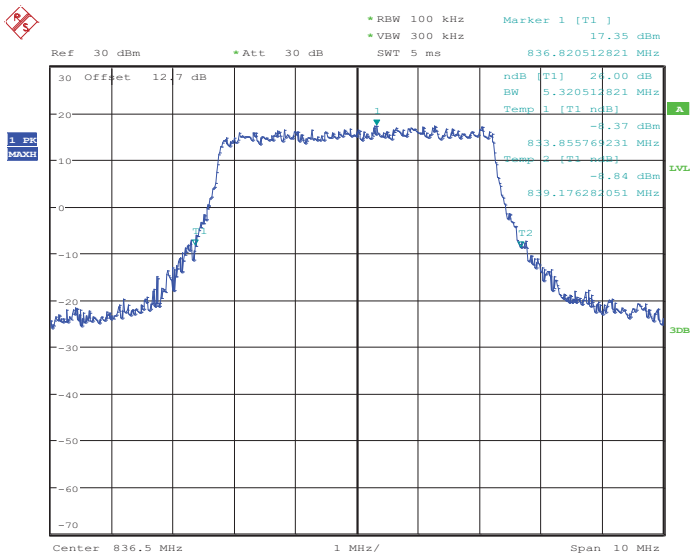
Band :	LTE Band 5	BW / Mod. :	5MHz / QPSK

99% Occupied Bandwidth Plot on Channel 20525



Date: 17.JUN.2013 10:43:14

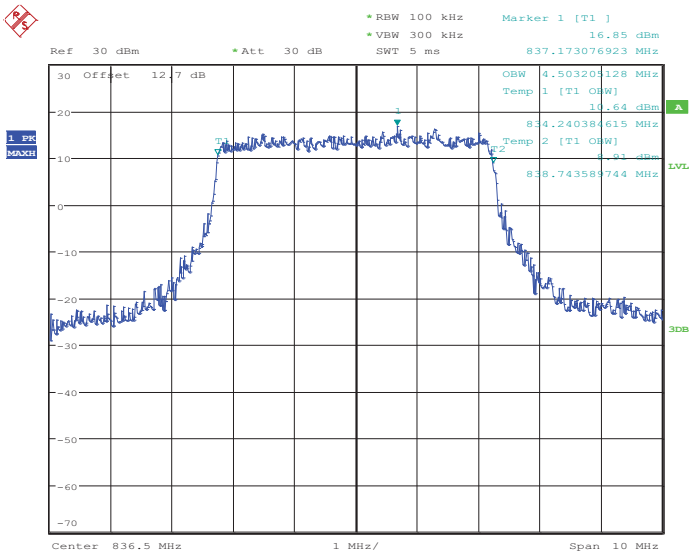
26dB Bandwidth Plot on Channel 20525



Date: 17.JUN.2013 11:24:39

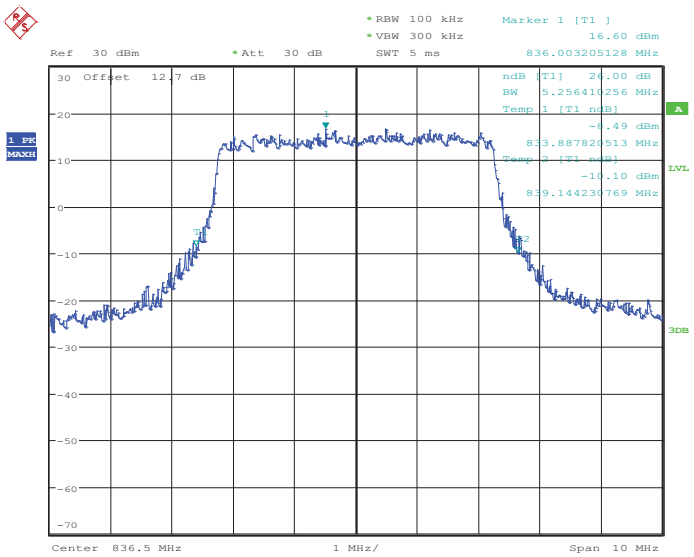
Band :	LTE Band 5	BW / Mod. :	5MHz / 16QAM

99% Occupied Bandwidth Plot on Channel 20525



Date: 17.JUN.2013 10:43:30

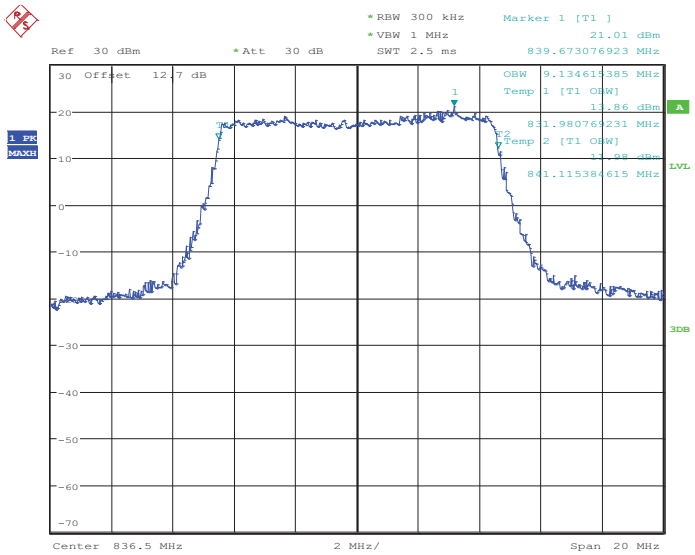
26dB Bandwidth Plot on Channel 20525



Date: 17.JUN.2013 11:25:08

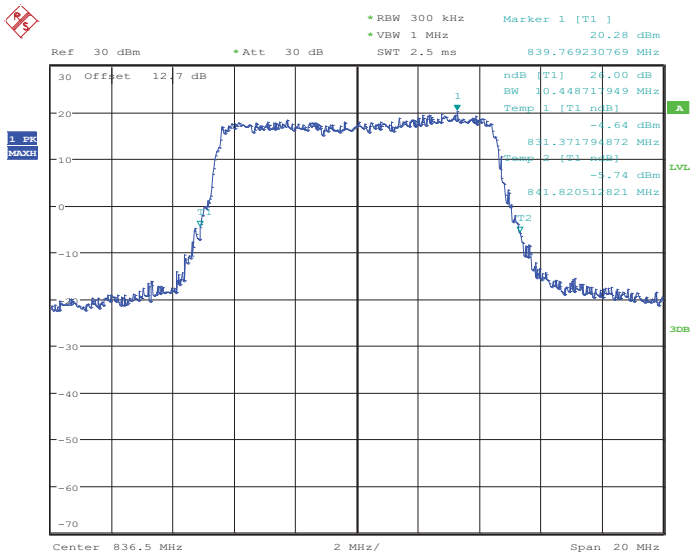
Band :	LTE Band 5	BW / Mod. :	10MHz / QPSK

99% Occupied Bandwidth Plot on Channel 20525



Date: 17.JUN.2013 10:47:52

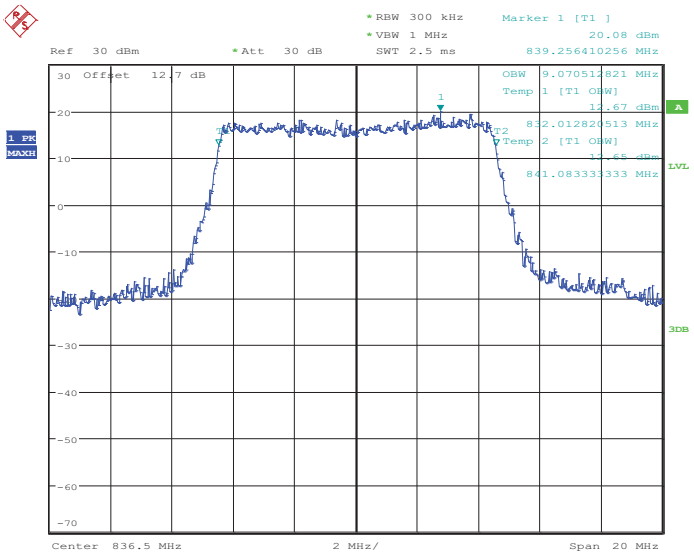
26dB Bandwidth Plot on Channel 20525



Date: 17.JUN.2013 11:27:37

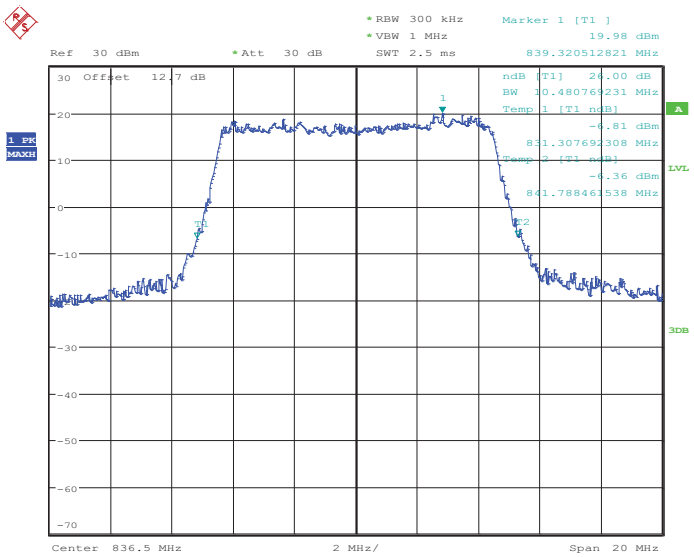
Band :	LTE Band 5	BW / Mod. :	10MHz / 16QAM

99% Occupied Bandwidth Plot on Channel 20525



Date: 17.JUN.2013 10:48:05

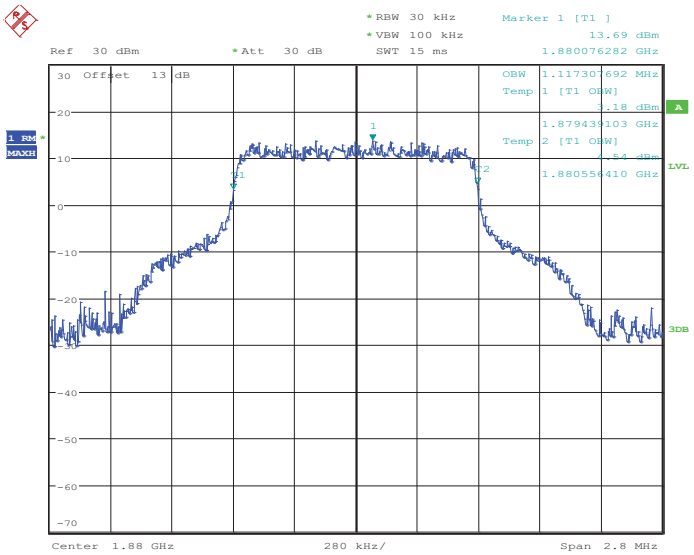
26dB Bandwidth Plot on Channel 20525



Date: 17.JUN.2013 11:27:21

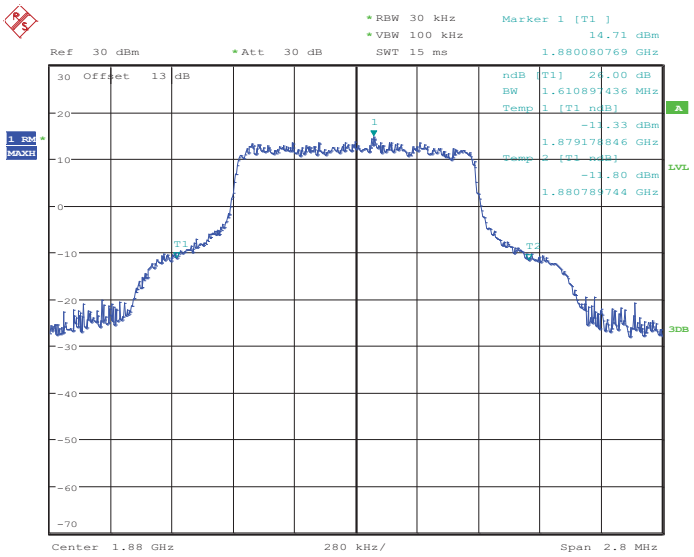
Band :	LTE Band 2	BW / Mod. :	1.4MHz / QPSK

99% Occupied Bandwidth Plot on Channel 18900



Date: 15.JUN.2013 04:35:29

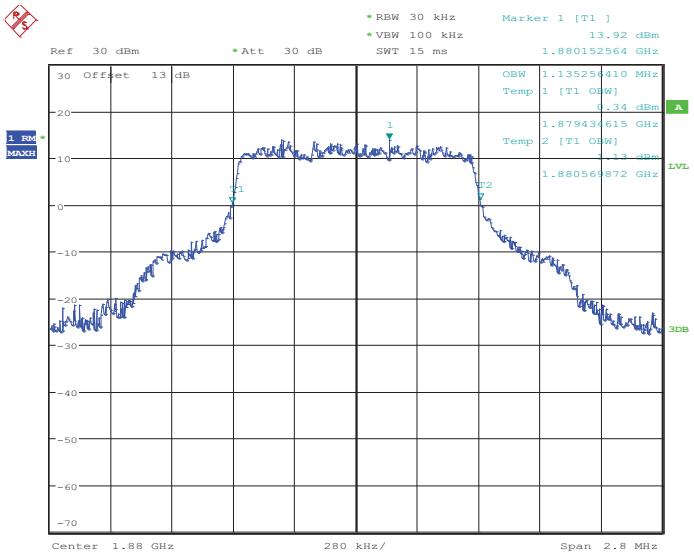
26dB Bandwidth Plot on Channel 18900



Date: 15.JUN.2013 03:47:31

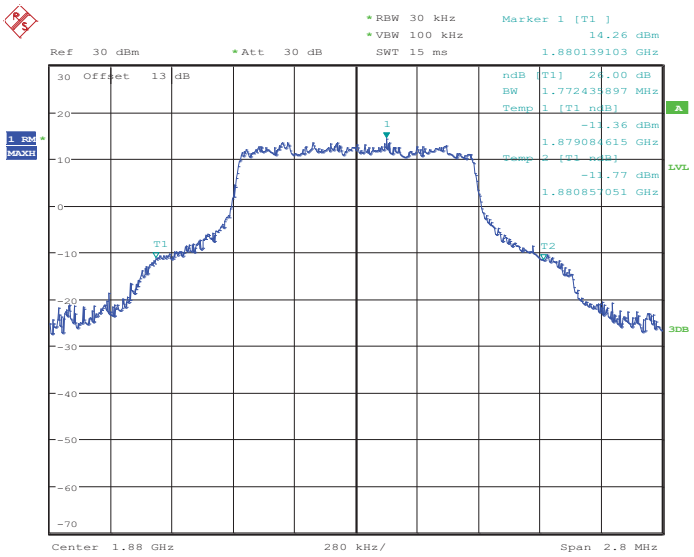
Band :	LTE Band 2	BW / Mod. :	1.4MHz / 16QAM

99% Occupied Bandwidth Plot on Channel 18900



Date: 15.JUN.2013 04:37:32

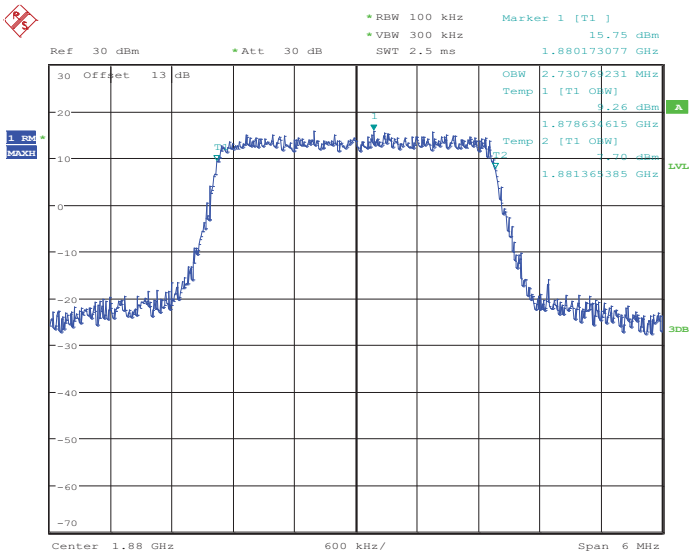
26dB Bandwidth Plot on Channel 18900



Date: 15.JUN.2013 03:47:08

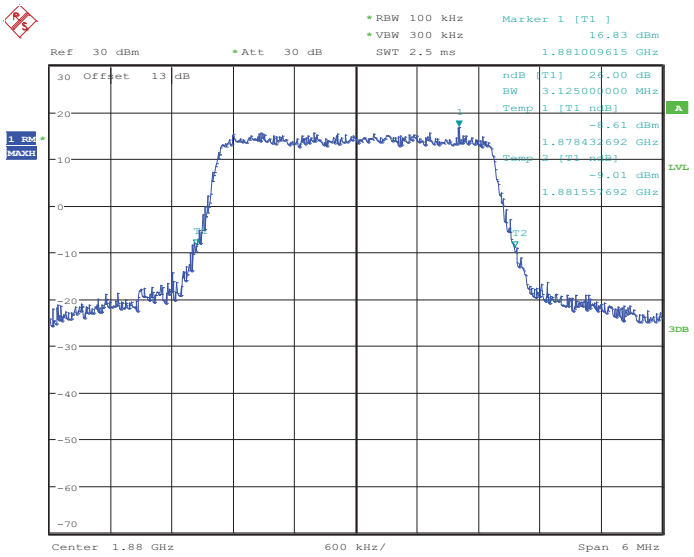
Band :	LTE Band 2	BW / Mod. :	3MHz / QPSK

99% Occupied Bandwidth Plot on Channel 18900



Date: 15.JUN.2013 04:31:09

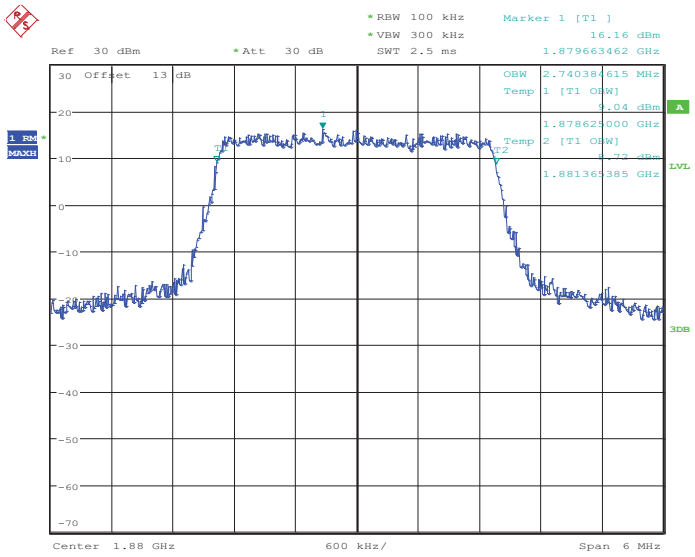
26dB Bandwidth Plot on Channel 18900



Date: 15.JUN.2013 03:51:25

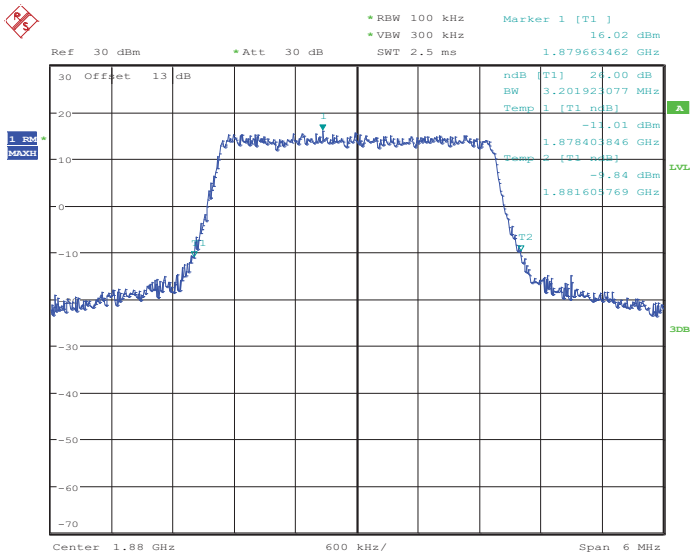
Band :	LTE Band 2	BW / Mod. :	3MHz / 16QAM

99% Occupied Bandwidth Plot on Channel 18900



Date: 15.JUN.2013 04:33:27

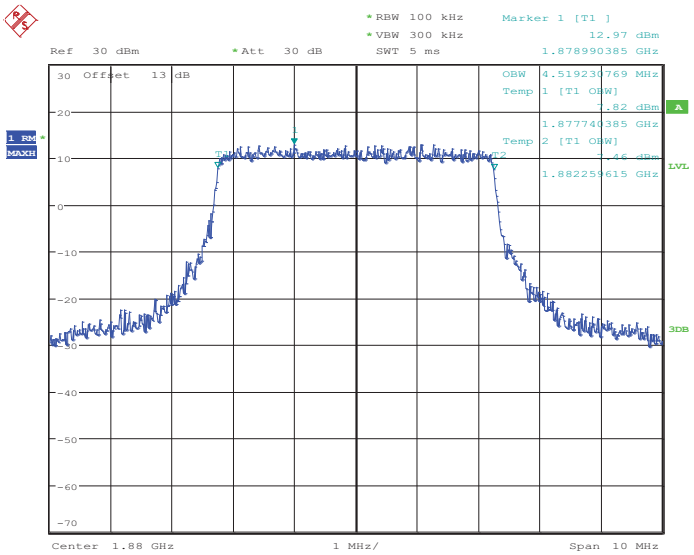
26dB Bandwidth Plot on Channel 18900



Date: 15.JUN.2013 03:49:04

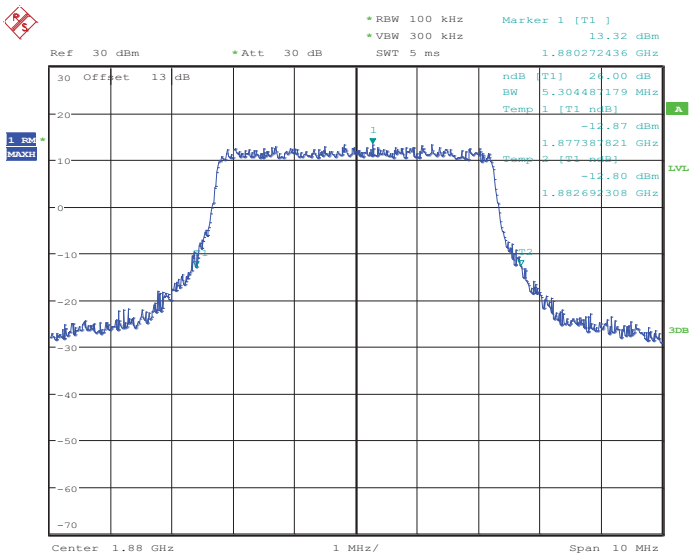
Band :	LTE Band 2	BW / Mod. :	5MHz / QPSK

99% Occupied Bandwidth Plot on Channel 18900



Date: 15.JUN.2013 04:24:03

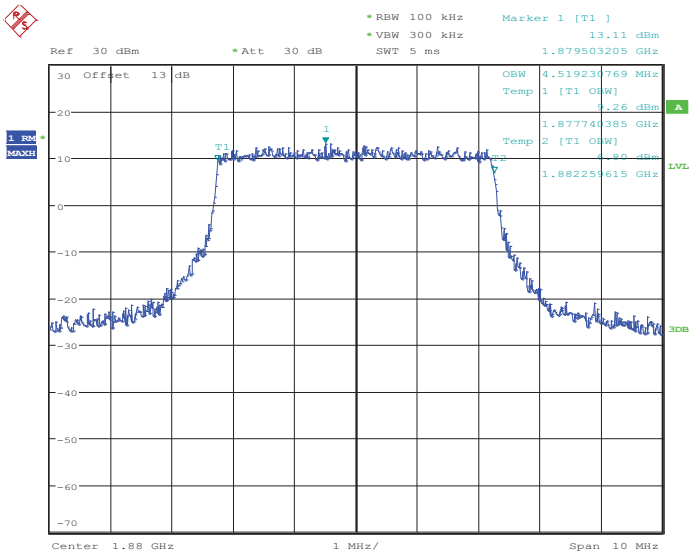
26dB Bandwidth Plot on Channel 18900



Date: 15.JUN.2013 03:50:04

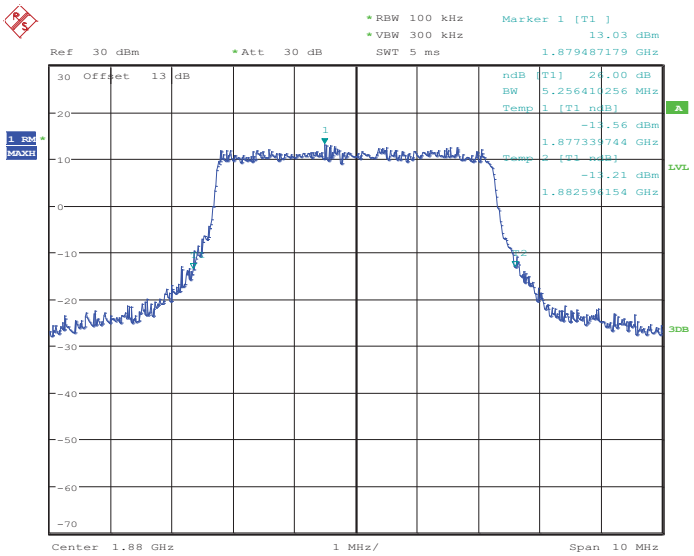
Band :	LTE Band 2	BW / Mod. :	5MHz / 16QAM

99% Occupied Bandwidth Plot on Channel 18900



Date: 15.JUN.2013 04:28:45

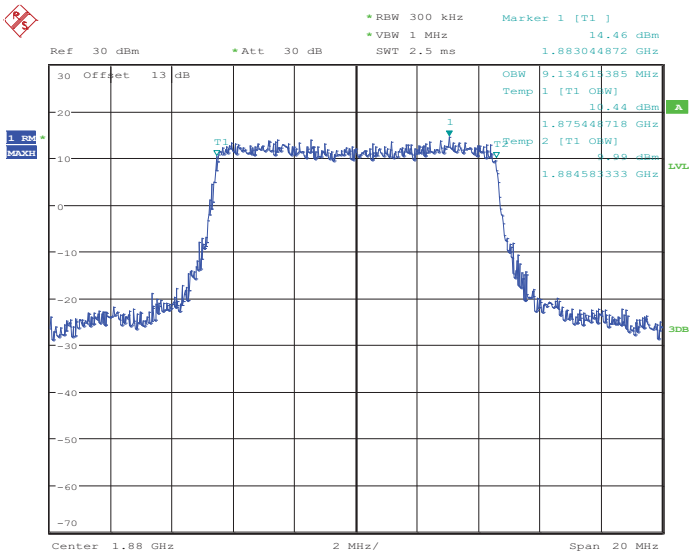
26dB Bandwidth Plot on Channel 18900



Date: 15.JUN.2013 03:50:37

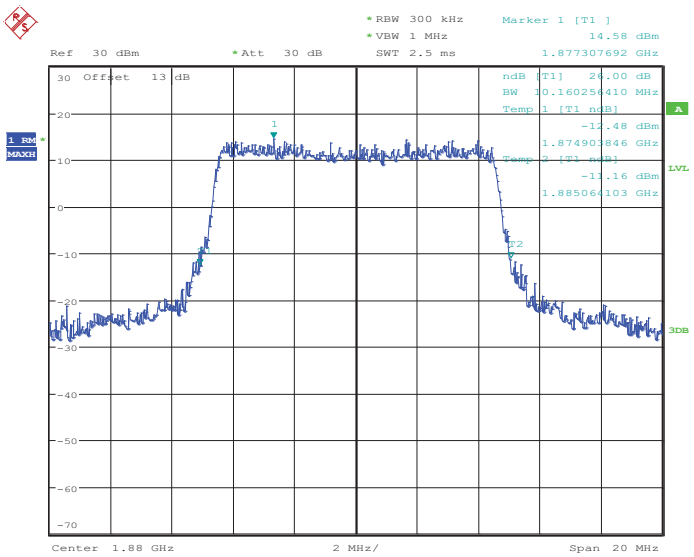
Band :	LTE Band 2	BW / Mod. :	10MHz / QPSK

99% Occupied Bandwidth Plot on Channel 18900



Date: 15.JUN.2013 04:17:28

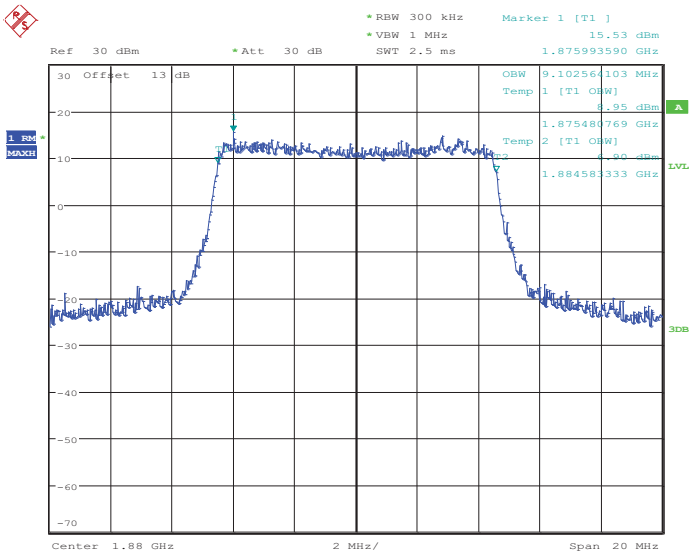
26dB Bandwidth Plot on Channel 18900



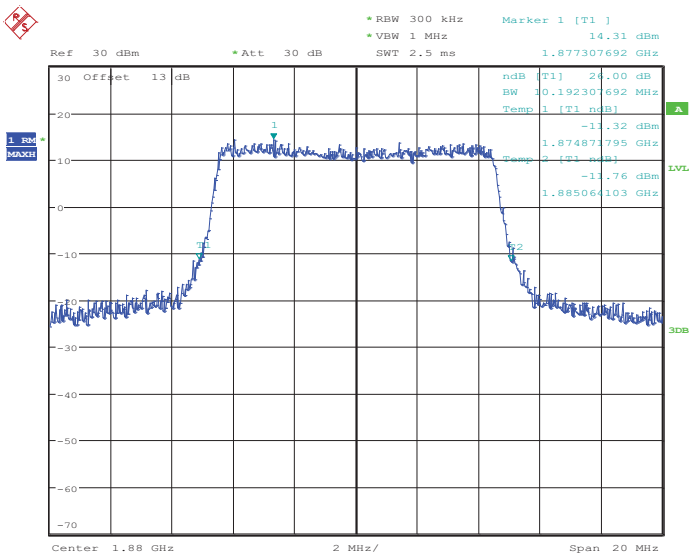
Date: 15.JUN.2013 03:53:37

Band :	LTE Band 2	BW / Mod. :	10MHz / 16QAM

99% Occupied Bandwidth Plot on Channel 18900

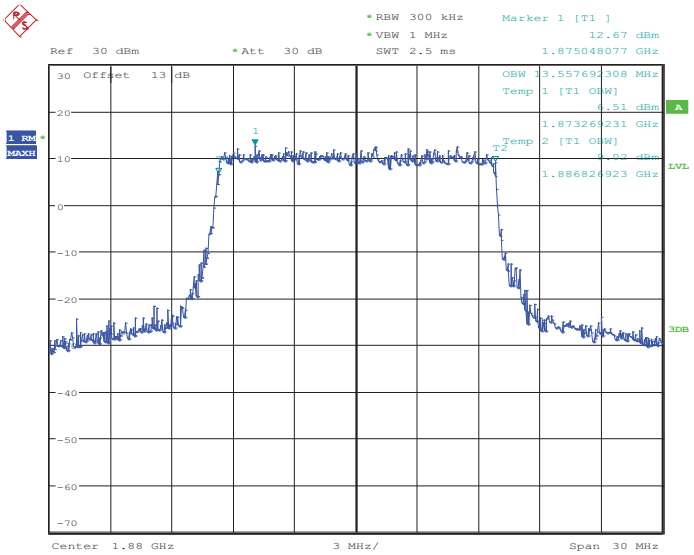


26dB Bandwidth Plot on Channel 18900



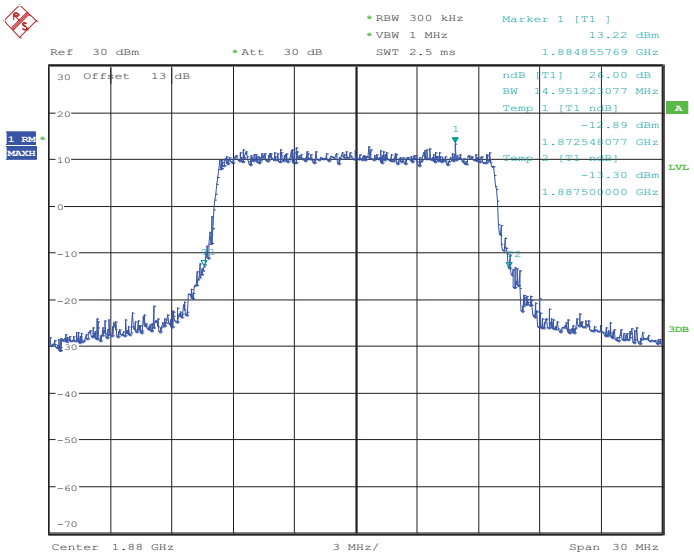
Band :	LTE Band 2	BW / Mod. :	15MHz / QPSK

99% Occupied Bandwidth Plot on Channel 18900



Date: 15.JUN.2013 04:14:37

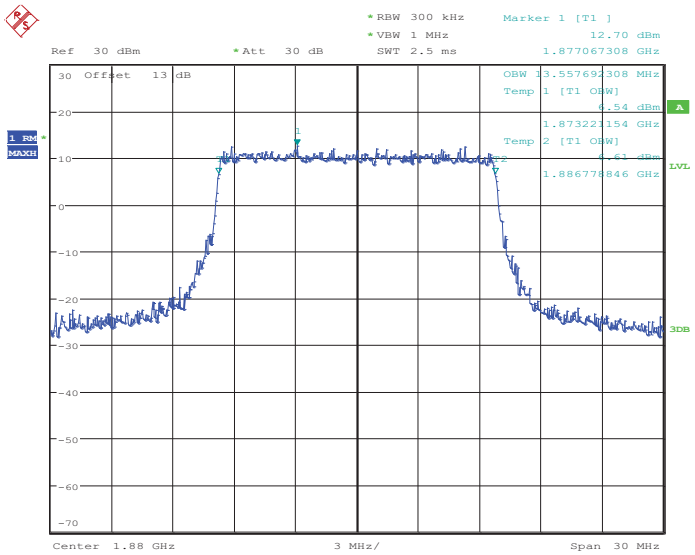
26dB Bandwidth Plot on Channel 18900



Date: 15.JUN.2013 03:54:43

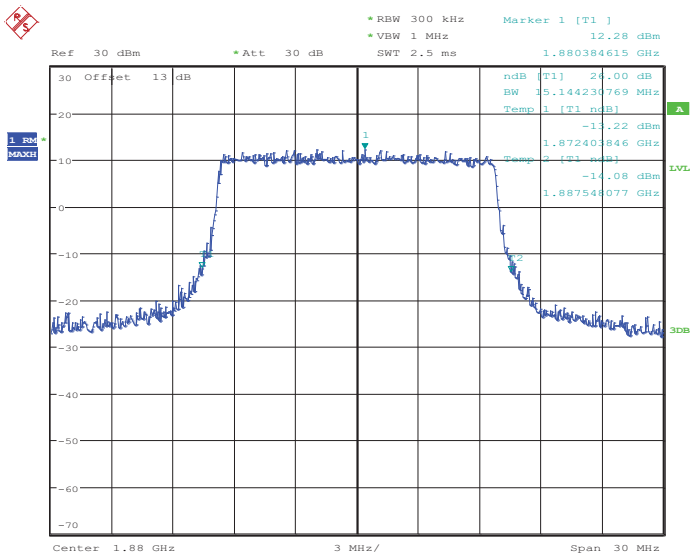
Band :	LTE Band 2	BW / Mod. :	15MHz / 16QAM

99% Occupied Bandwidth Plot on Channel 18900



Date: 15.JUN.2013 04:16:20

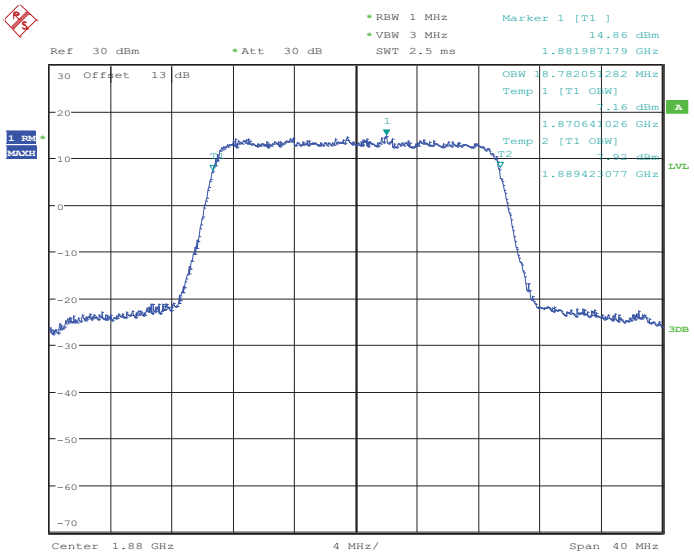
26dB Bandwidth Plot on Channel 18900



Date: 15.JUN.2013 03:54:55

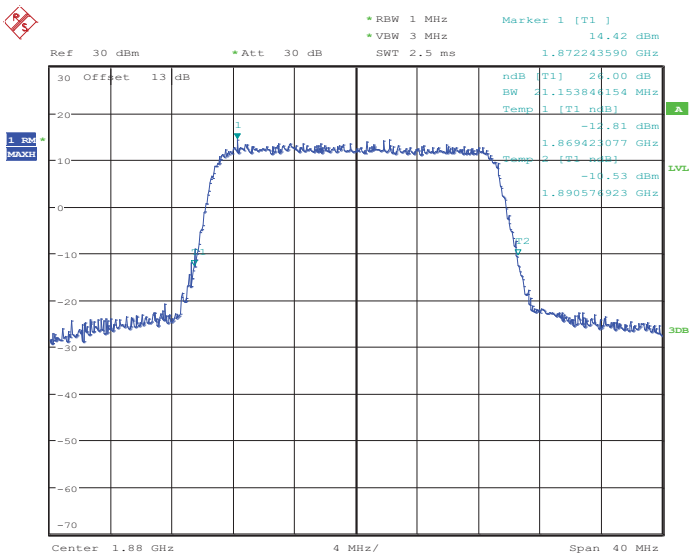
Band :	LTE Band 2	BW / Mod. :	20MHz / QPSK

99% Occupied Bandwidth Plot on Channel 18900



Date: 15.JUN.2013 04:10:22

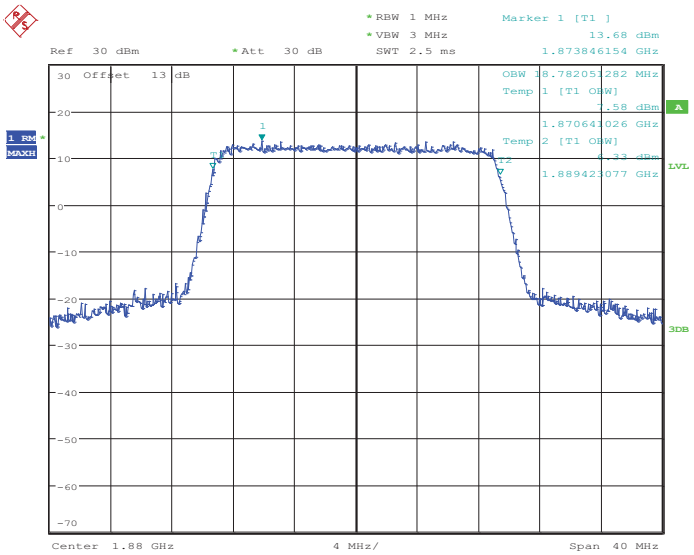
26dB Bandwidth Plot on Channel 18900



Date: 15.JUN.2013 03:56:44

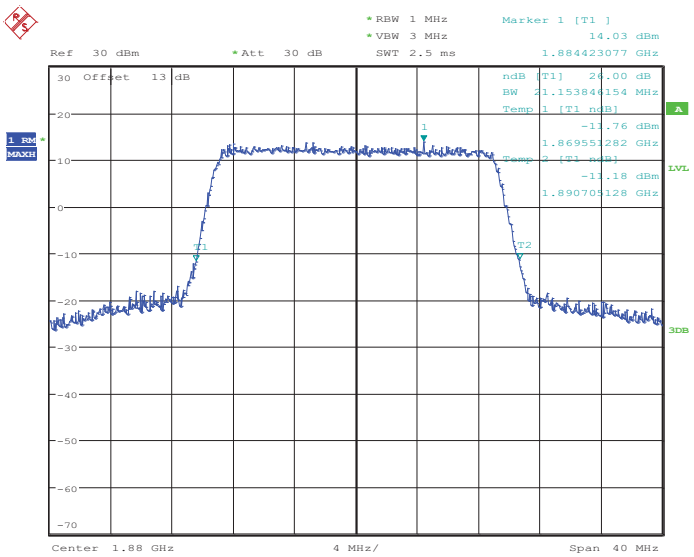
Band :	LTE Band 2	BW / Mod. :	20MHz / 16QAM

99% Occupied Bandwidth Plot on Channel 18900



Date: 15.JUN.2013 04:10:33

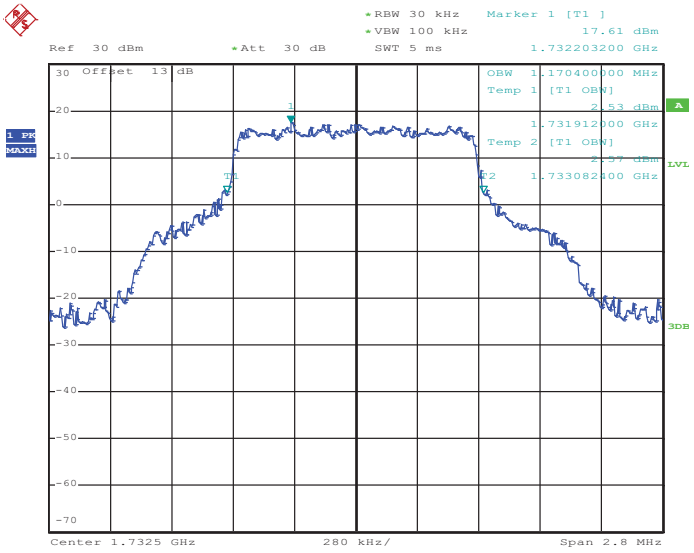
26dB Bandwidth Plot on Channel 18900



Date: 15.JUN.2013 03:59:02

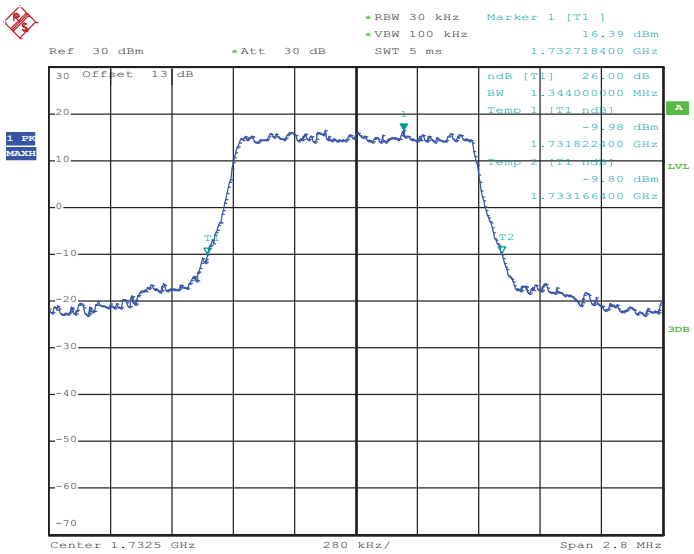
Band :	LTE Band 4	BW / Mod. :	1.4MHz / QPSK

99% Occupied Bandwidth Plot on Channel 20175



Date: 25.JUN.2013 14:25:15

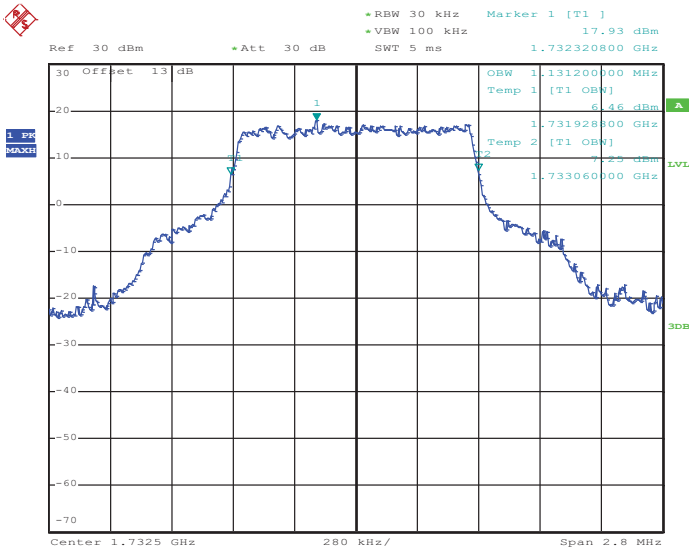
26dB Bandwidth Plot on Channel 20175



Date: 27.JUN.2013 09:42:14

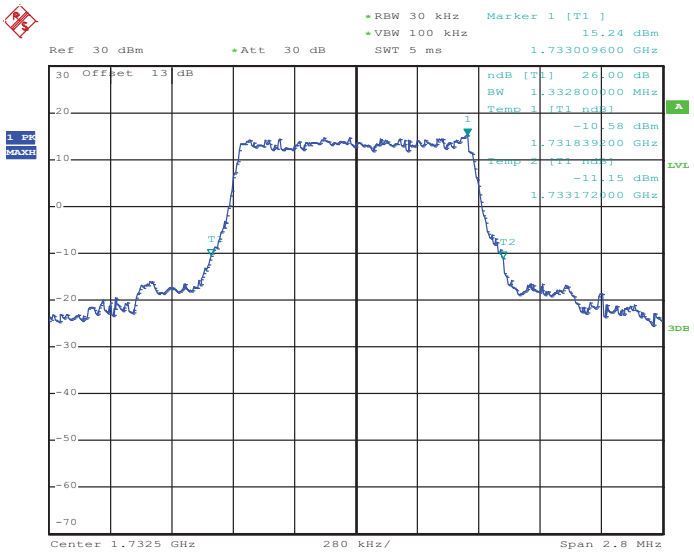
Band :	LTE Band 4	BW / Mod. :	1.4MHz / 16QAM

99% Occupied Bandwidth Plot on Channel 20175



Date: 25.JUN.2013 14:25:01

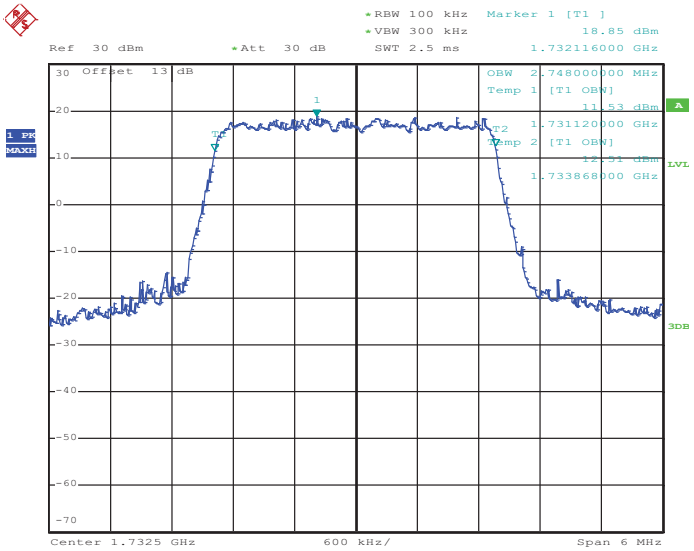
26dB Bandwidth Plot on Channel 20175



Date: 27.JUN.2013 09:42:29

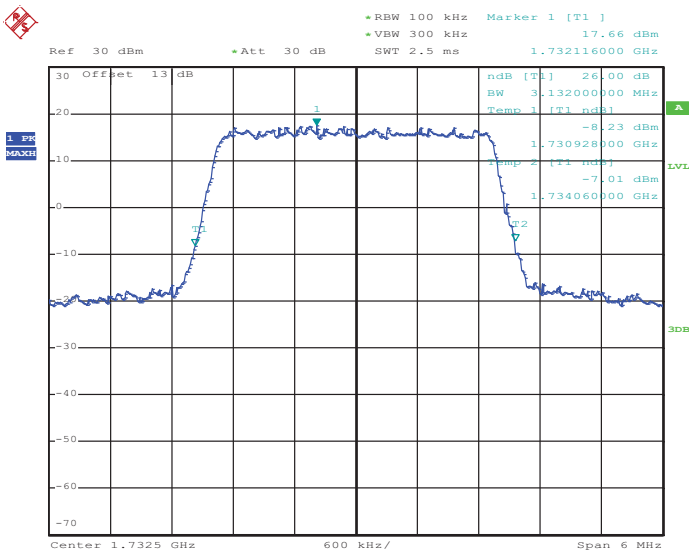
Band :	LTE Band 4	BW / Mod. :	3MHz / QPSK

99% Occupied Bandwidth Plot on Channel 20175



Date: 25.JUN.2013 14:22:15

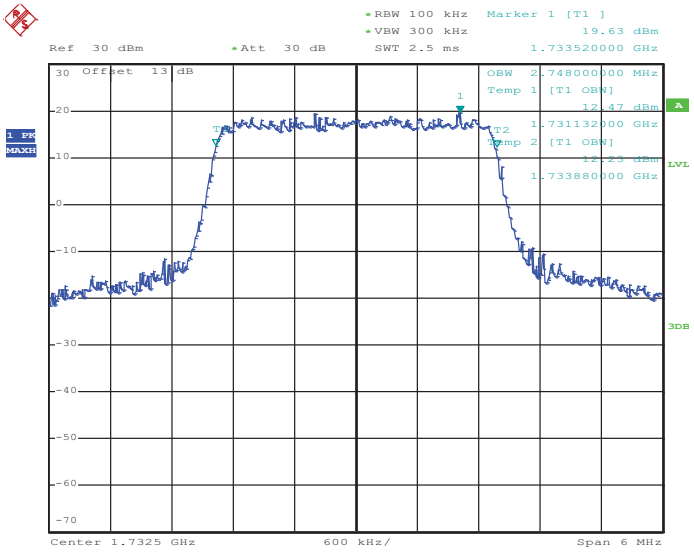
26dB Bandwidth Plot on Channel 20175



Date: 27.JUN.2013 09:43:24

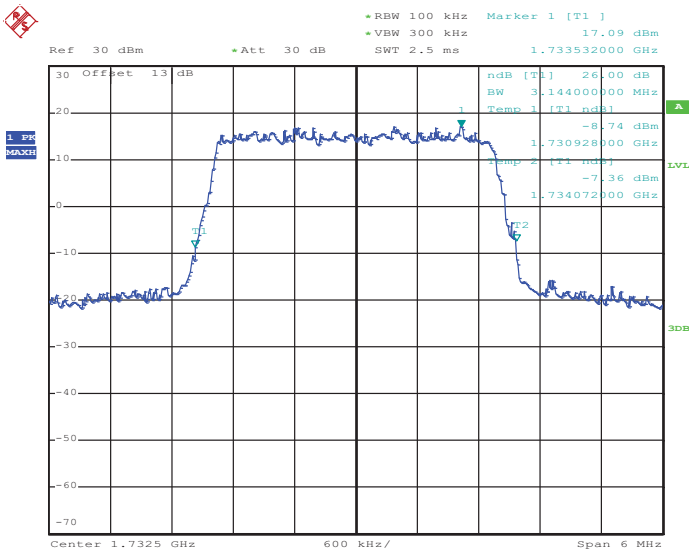
Band :	LTE Band 4	BW / Mod. :	3MHz / 16QAM

99% Occupied Bandwidth Plot on Channel 20175



Date: 25.JUN.2013 14:22:30

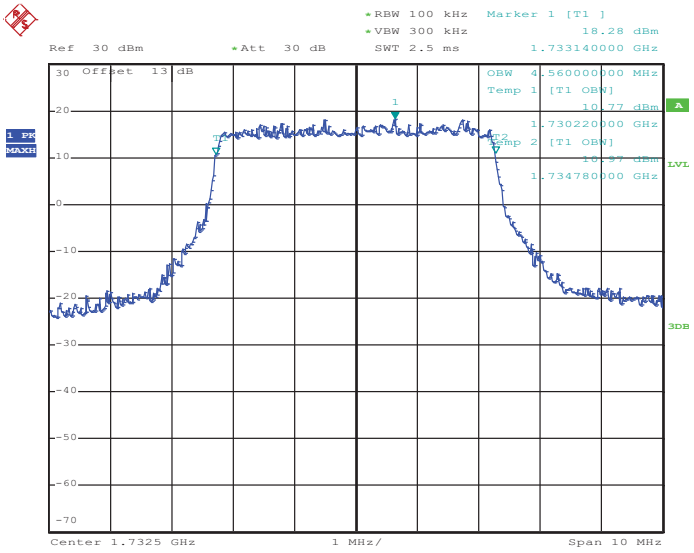
26dB Bandwidth Plot on Channel 20175



Date: 27.JUN.2013 09:43:47

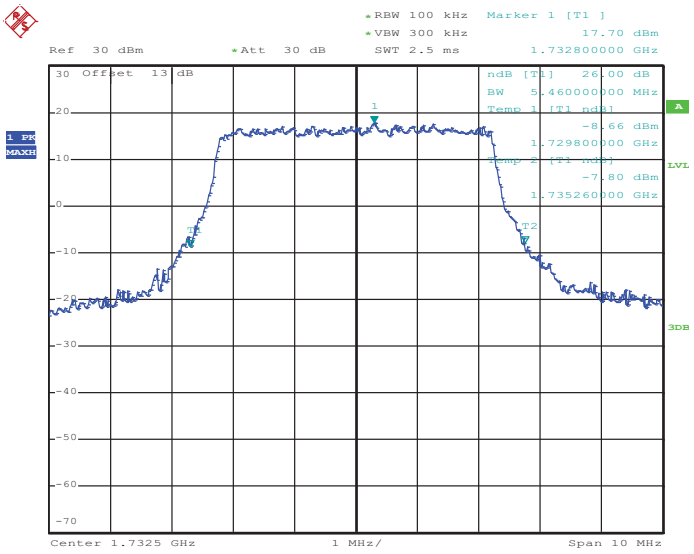
Band :	LTE Band 4	BW / Mod. :	5MHz / QPSK

99% Occupied Bandwidth Plot on Channel 20175



Date: 25.JUN.2013 14:20:58

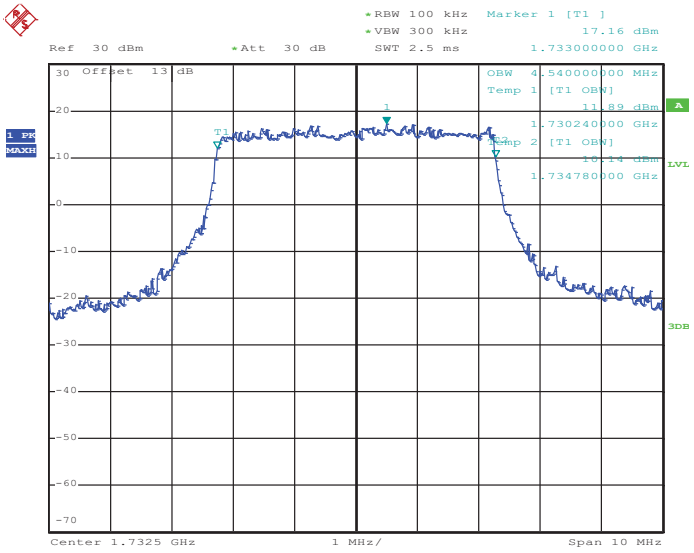
26dB Bandwidth Plot on Channel 20175



Date: 16.JUN.2013 11:07:47

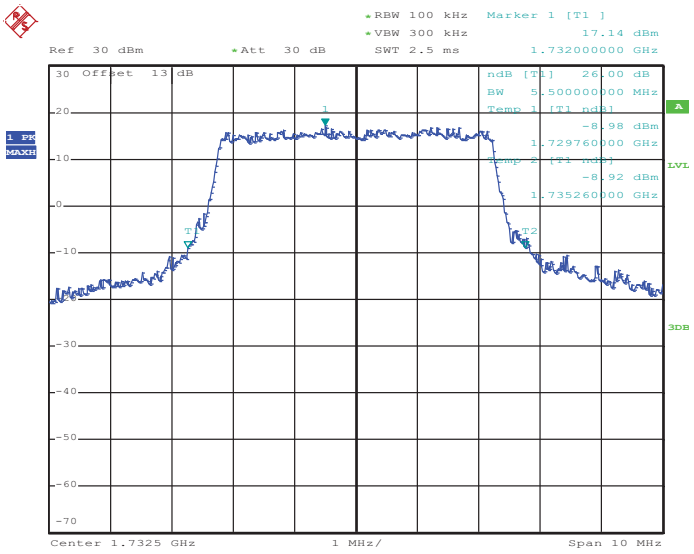
Band :	LTE Band 4	BW / Mod. :	5MHz / 16QAM

99% Occupied Bandwidth Plot on Channel 20175



Date: 25.JUN.2013 14:20:41

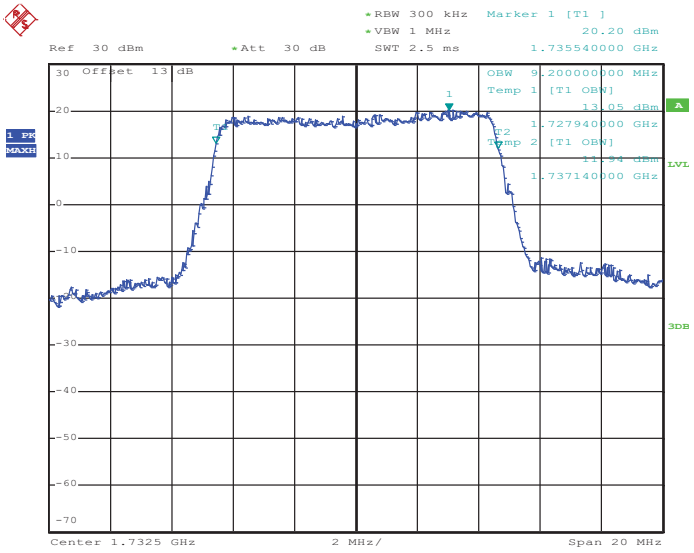
26dB Bandwidth Plot on Channel 20175



Date: 16.JUN.2013 11:07:11

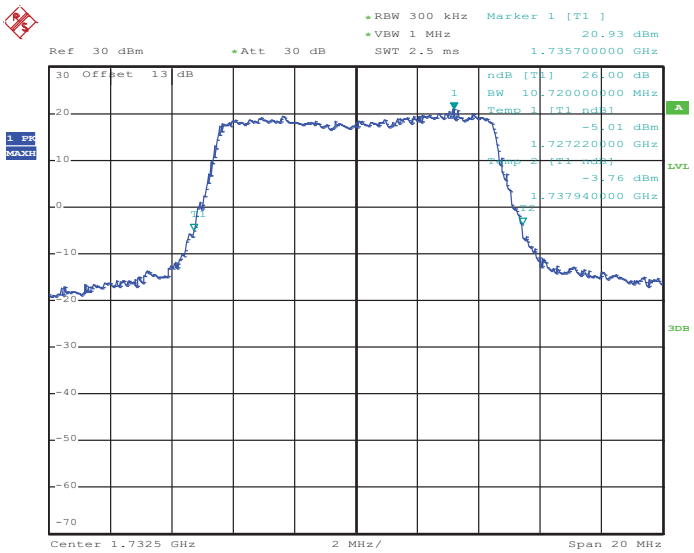
Band :	LTE Band 4	BW / Mod. :	10MHz / QPSK

99% Occupied Bandwidth Plot on Channel 20175



Date: 25.JUN.2013 14:17:05

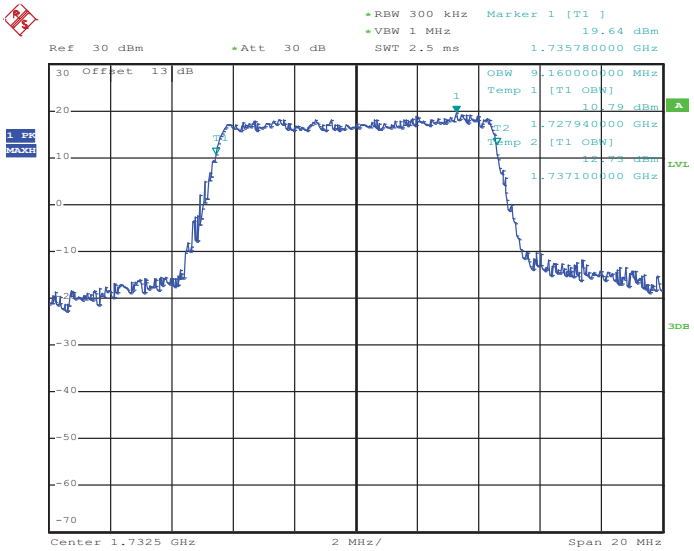
26dB Bandwidth Plot on Channel 20175



Date: 16.JUN.2013 10:53:41

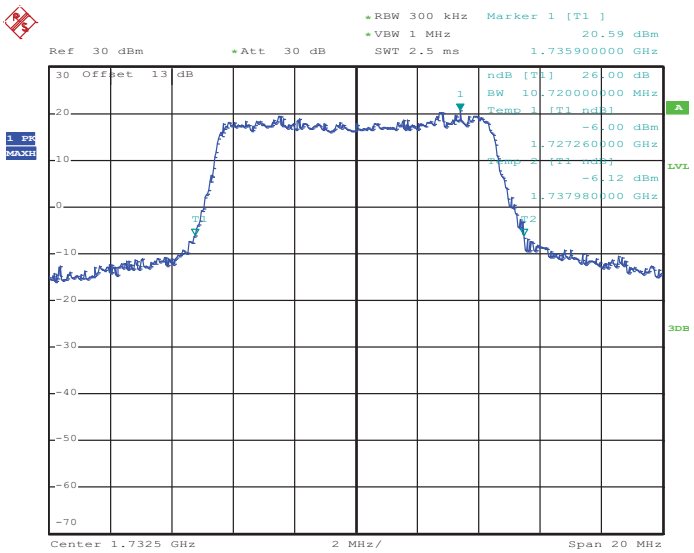
Band :	LTE Band 4	BW / Mod. :	10MHz / 16QAM

99% Occupied Bandwidth Plot on Channel 20175



Date: 25.JUN.2013 14:17:20

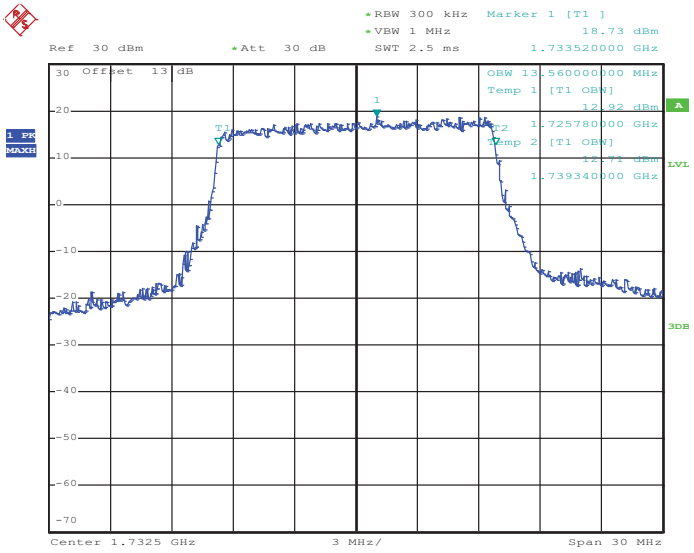
26dB Bandwidth Plot on Channel 20175



Date: 16.JUN.2013 10:54:02

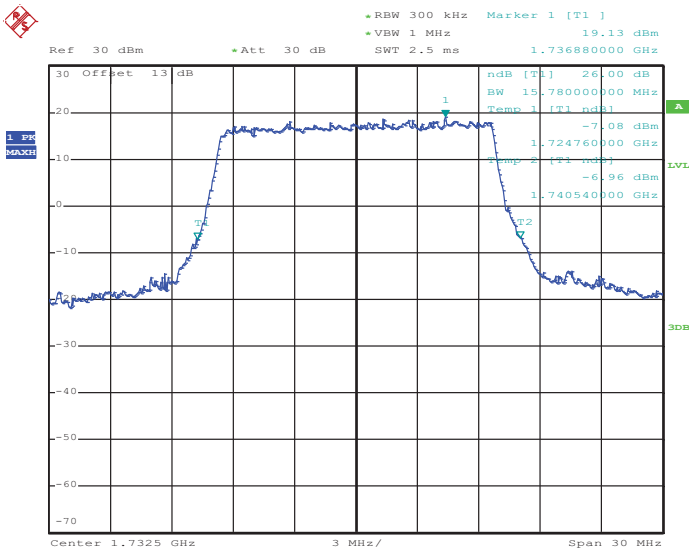
Band :	LTE Band 4	BW / Mod. :	15MHz / QPSK

99% Occupied Bandwidth Plot on Channel 20175



Date: 25.JUN.2013 14:15:33

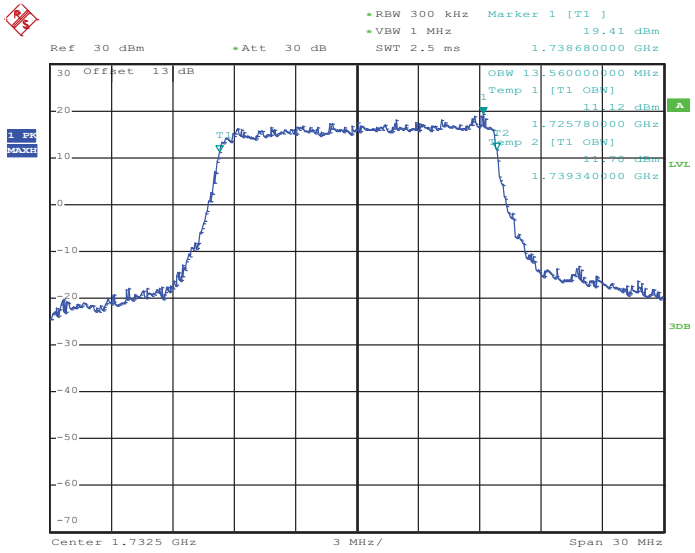
26dB Bandwidth Plot on Channel 20175



Date: 16.JUN.2013 10:22:48

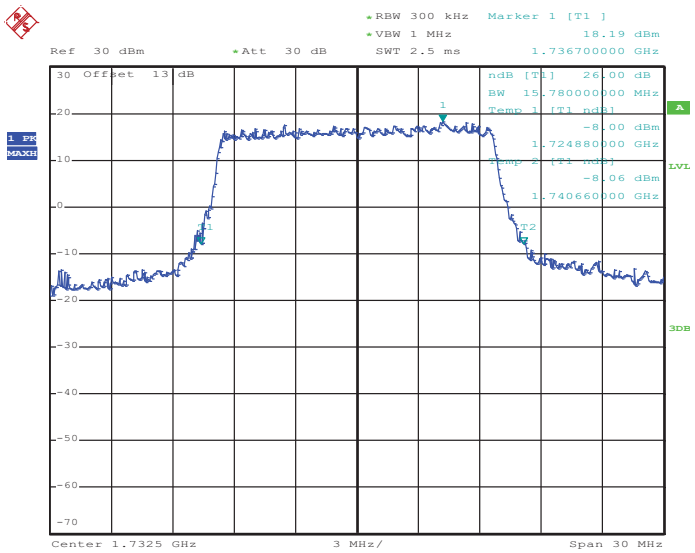
Band :	LTE Band 4	BW / Mod. :	15MHz / 16QAM

99% Occupied Bandwidth Plot on Channel 20175



Date: 25.JUN.2013 14:15:14

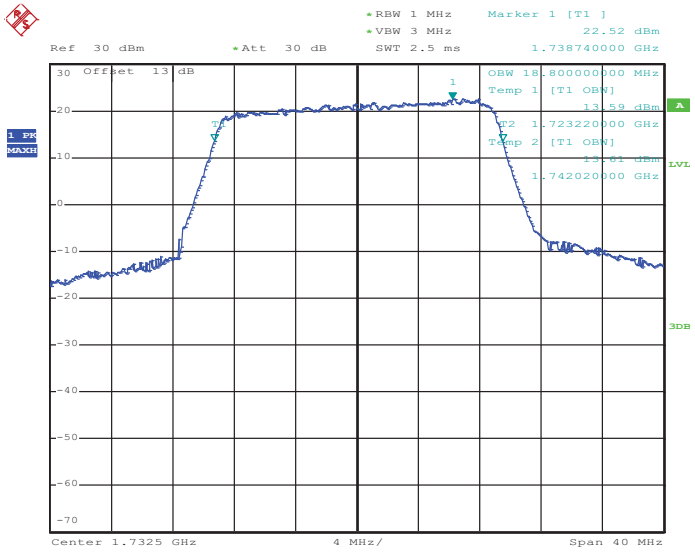
26dB Bandwidth Plot on Channel 20175



Date: 16.JUN.2013 10:24:11

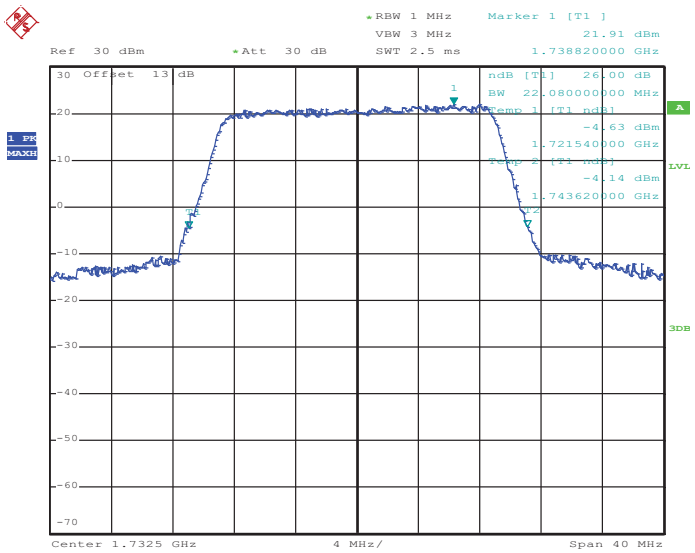
Band :	LTE Band 4	BW / Mod. :	20MHz / QPSK

99% Occupied Bandwidth Plot on Channel 20175



Date: 25.JUN.2013 14:12:06

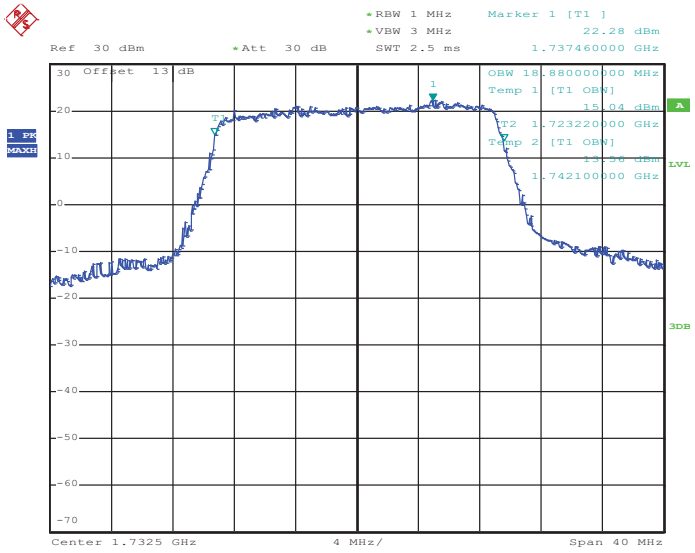
26dB Bandwidth Plot on Channel 20175



Date: 16.JUN.2013 10:14:22

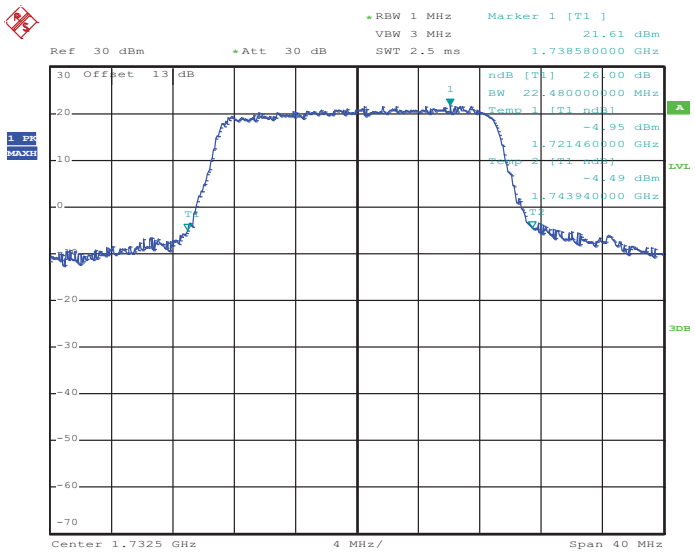
Band :	LTE Band 4	BW / Mod. :	20MHz / 16QAM

99% Occupied Bandwidth Plot on Channel 20175



Date: 25.JUN.2013 14:12:40

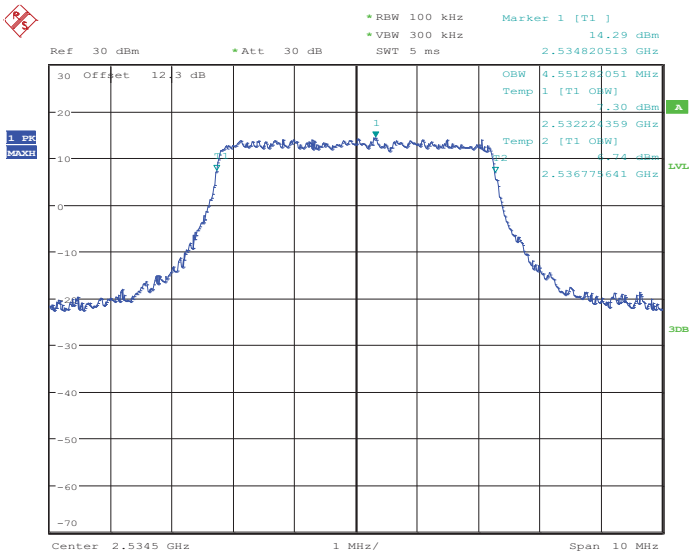
26dB Bandwidth Plot on Channel 20175



Date: 16.JUN.2013 10:15:46

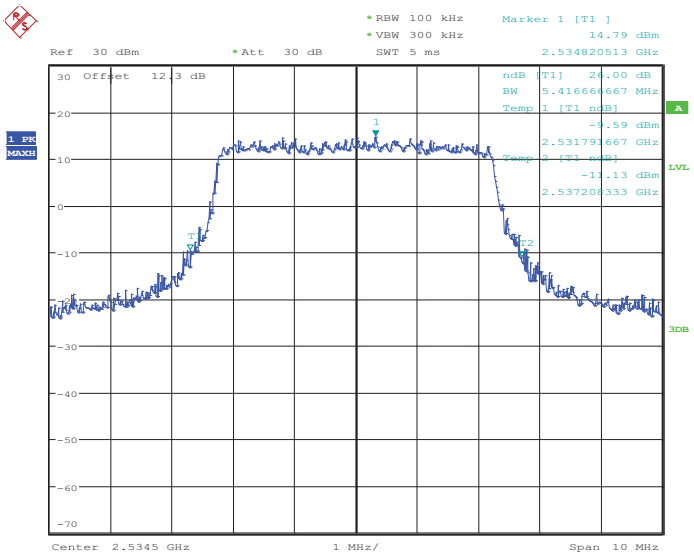
Band :	LTE Band 7	BW / Mod. :	5MHz / QPSK

99% Occupied Bandwidth Plot on Channel 21095



Date: 18.JUN.2013 17:18:16

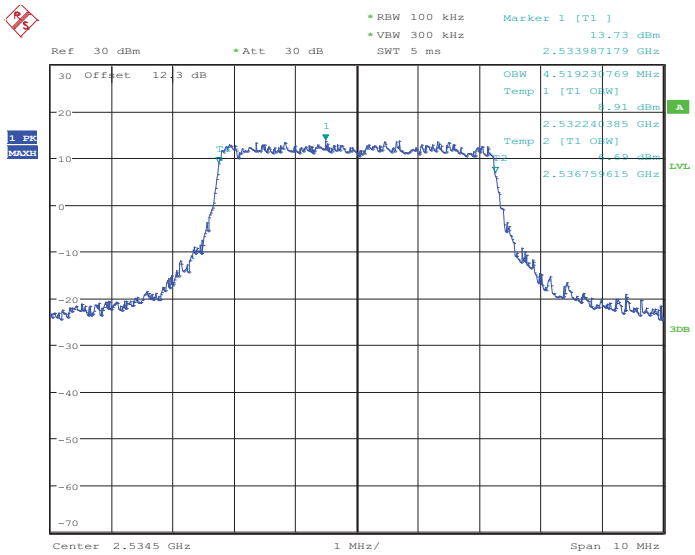
26dB Bandwidth Plot on Channel 21095



Date: 18.JUN.2013 17:16:11

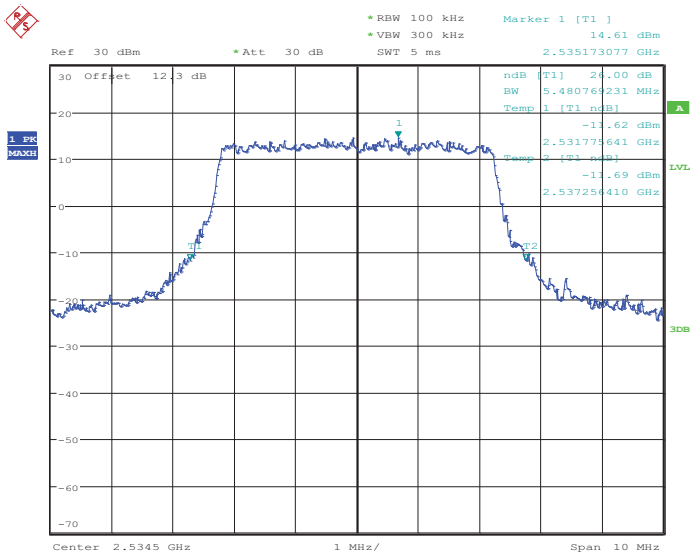
Band :	LTE Band 7	BW / Mod. :	5MHz / 16QAM

99% Occupied Bandwidth Plot on Channel 21095



Date: 18.JUN.2013 17:18:37

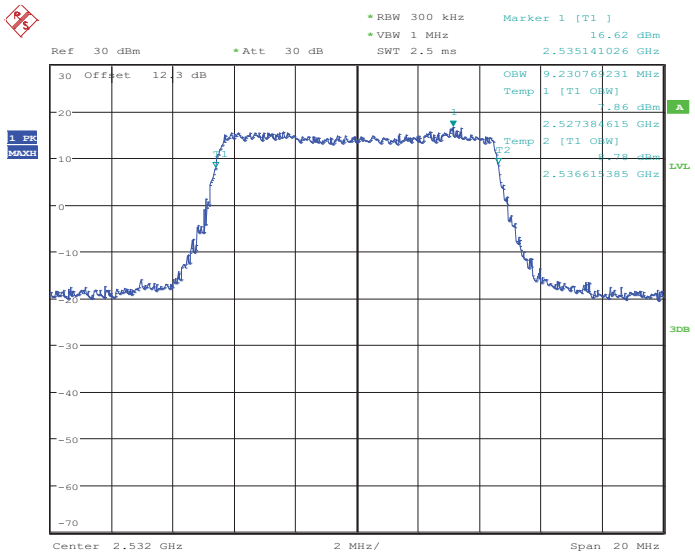
26dB Bandwidth Plot on Channel 21095



Date: 18.JUN.2013 17:16:01

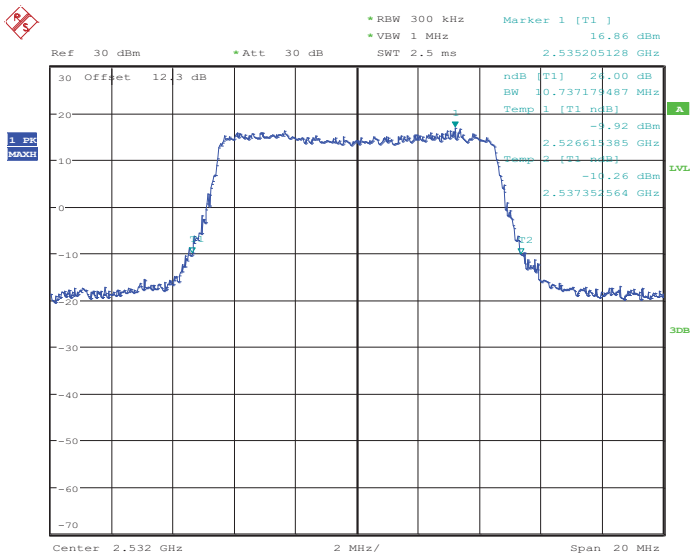
Band :	LTE Band 7	BW / Mod. :	10MHz / QPSK

99% Occupied Bandwidth Plot on Channel 21070



Date: 18.JUN.2013 17:25:23

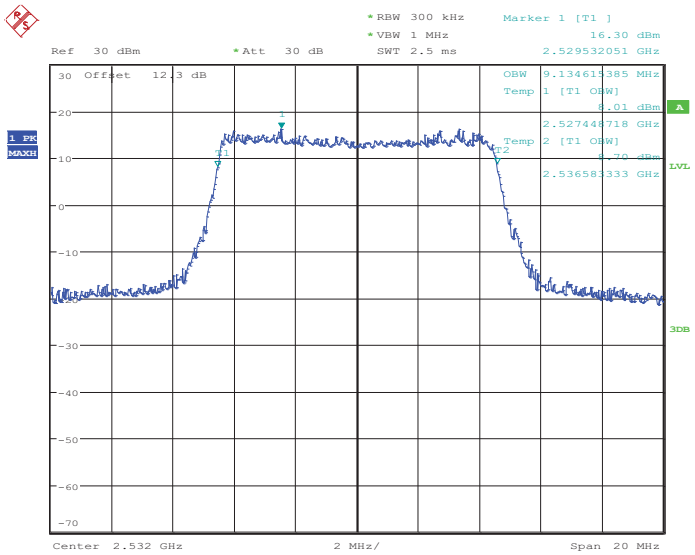
26dB Bandwidth Plot on Channel 21070



Date: 18.JUN.2013 17:11:12

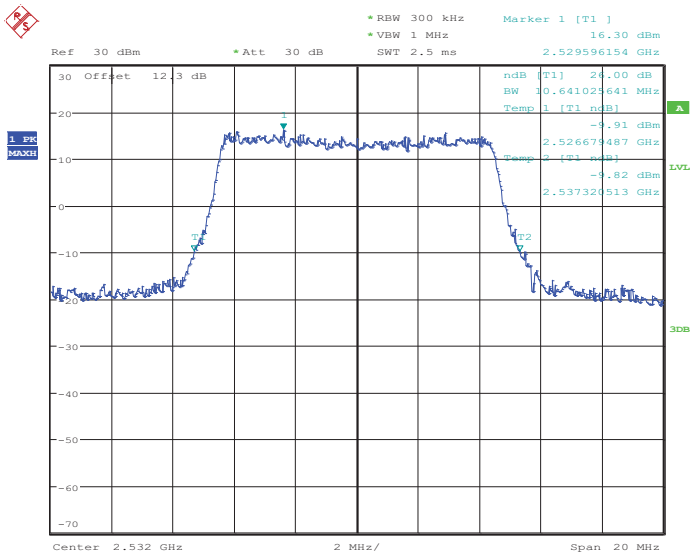
Band :	LTE Band 7	BW / Mod. :	10MHz / 16QAM

99% Occupied Bandwidth Plot on Channel 21070



Date: 18.JUN.2013 17:25:42

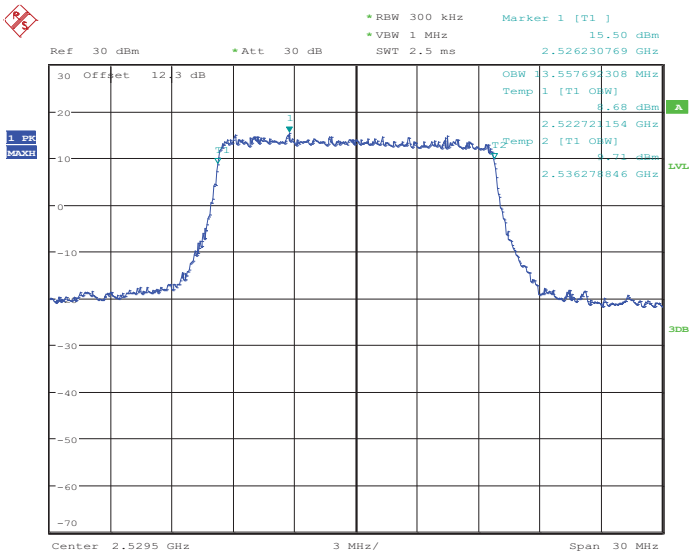
26dB Bandwidth Plot on Channel 21070



Date: 18.JUN.2013 17:11:27

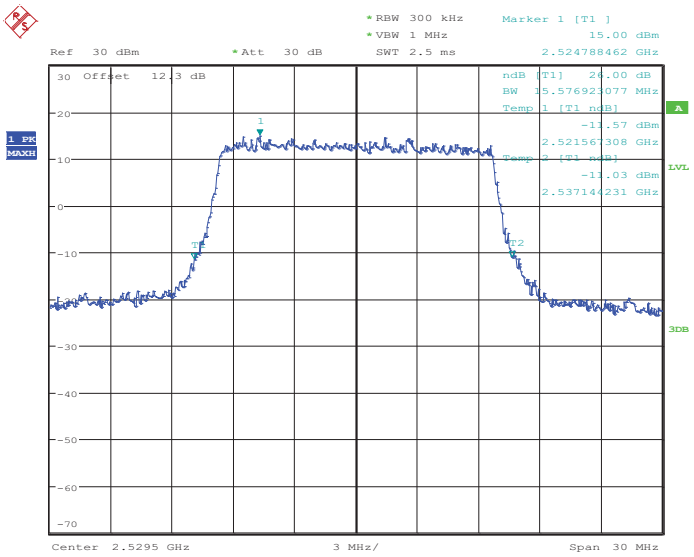
Band :	LTE Band 7	BW / Mod. :	15MHz / QPSK

99% Occupied Bandwidth Plot on Channel 21045



Date: 18.JUN.2013 17:30:42

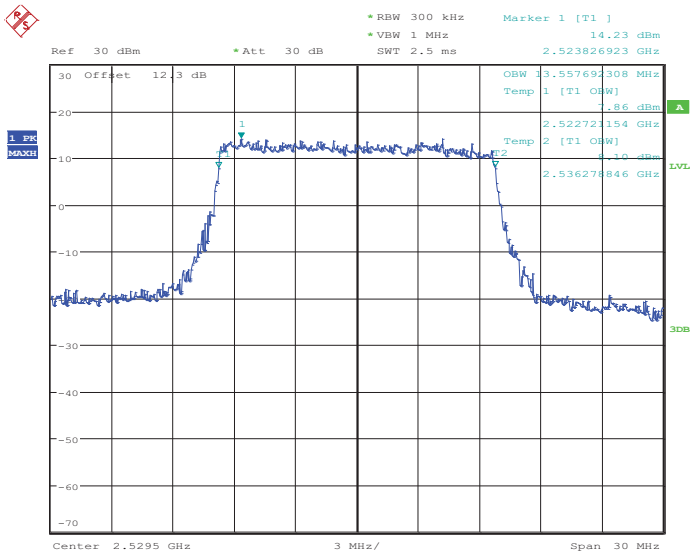
26dB Bandwidth Plot on Channel 21045



Date: 18.JUN.2013 17:09:49

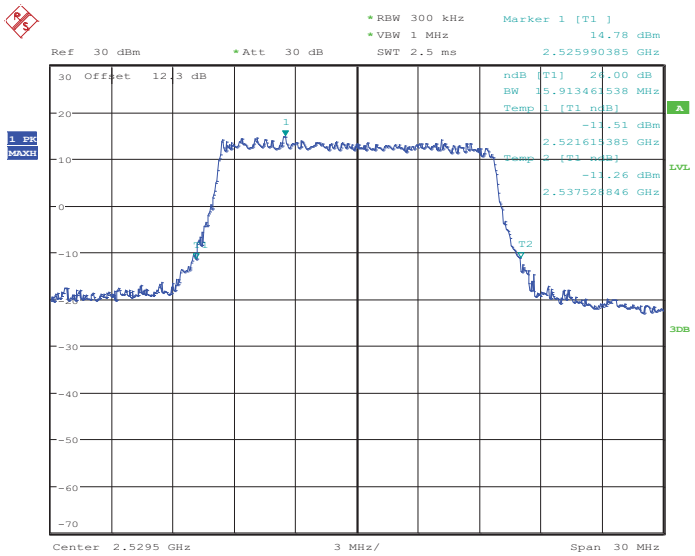
Band :	LTE Band 7	BW / Mod. :	15MHz / 16QAM

99% Occupied Bandwidth Plot on Channel 21045



Date: 18.JUN.2013 17:30:55

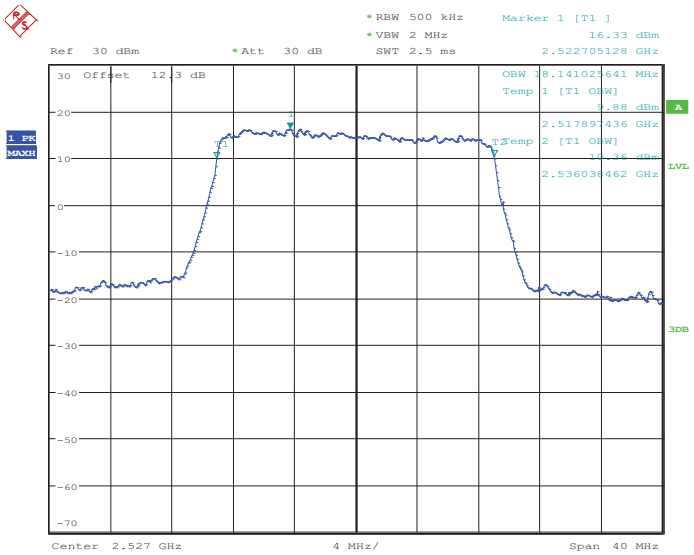
26dB Bandwidth Plot on Channel 21045



Date: 18.JUN.2013 17:09:17

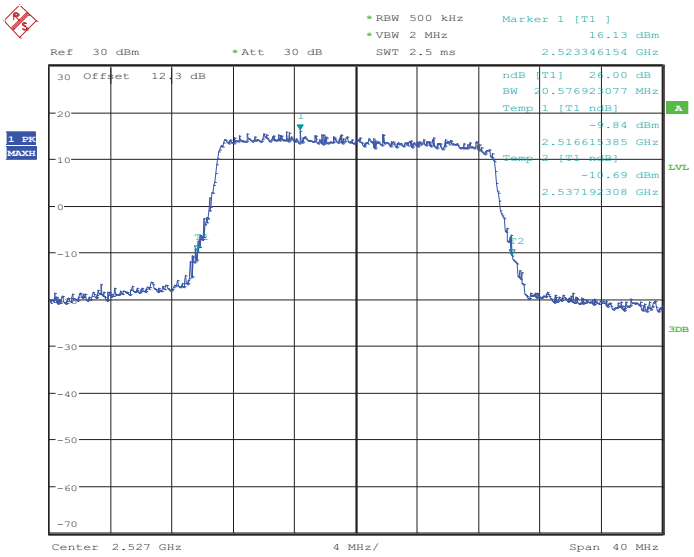
Band :	LTE Band 7	BW / Mod. :	20MHz / QPSK

99% Occupied Bandwidth Plot on Channel 21020



Date: 18.JUN.2013 17:41:51

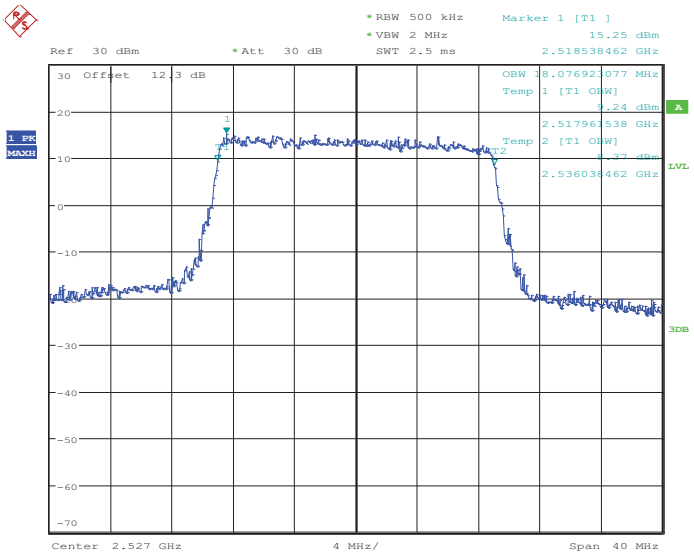
26dB Bandwidth Plot on Channel 21020



Date: 18.JUN.2013 17:06:24

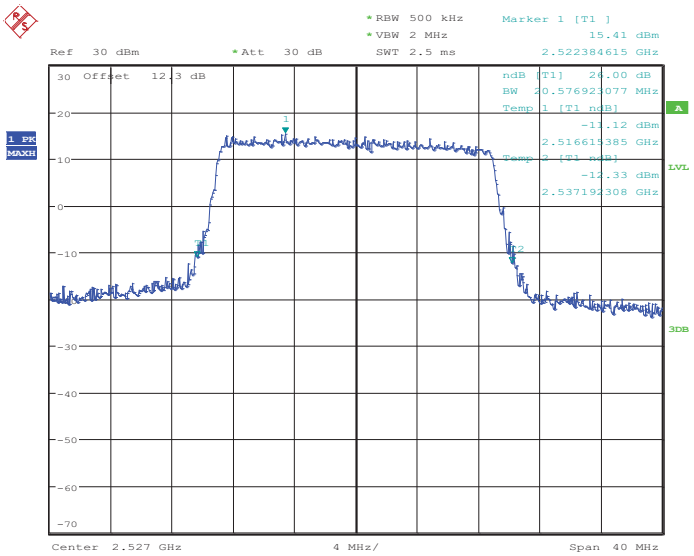
Band :	LTE Band 7	BW / Mod. :	20MHz / 16QAM

99% Occupied Bandwidth Plot on Channel 21020



Date: 18.JUN.2013 17:42:05

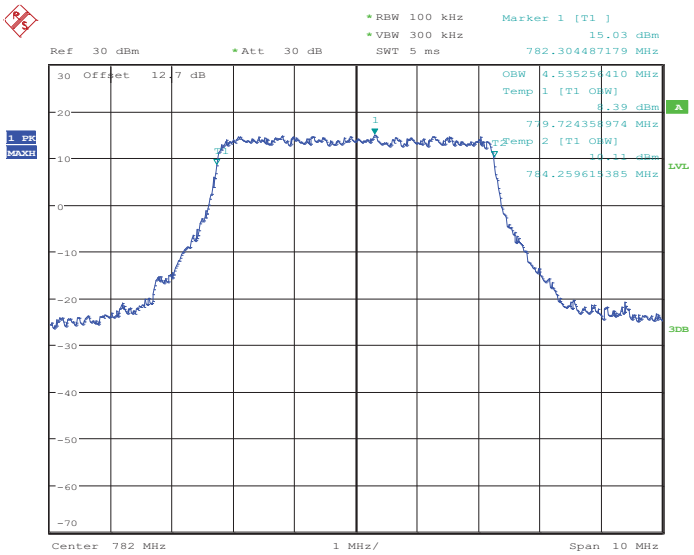
26dB Bandwidth Plot on Channel 21020



Date: 18.JUN.2013 17:06:35

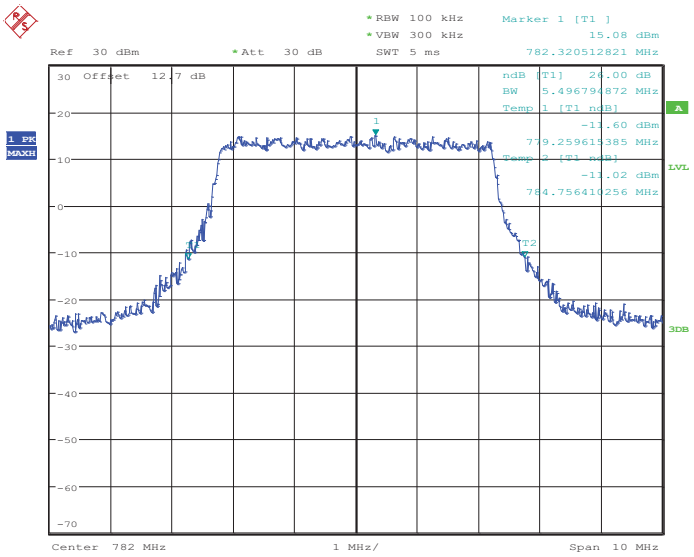
Band :	LTE Band 13	BW / Mod. :	5MHz / QPSK

99% Occupied Bandwidth Plot on Channel 23230



Date: 17.JUN.2013 15:33:21

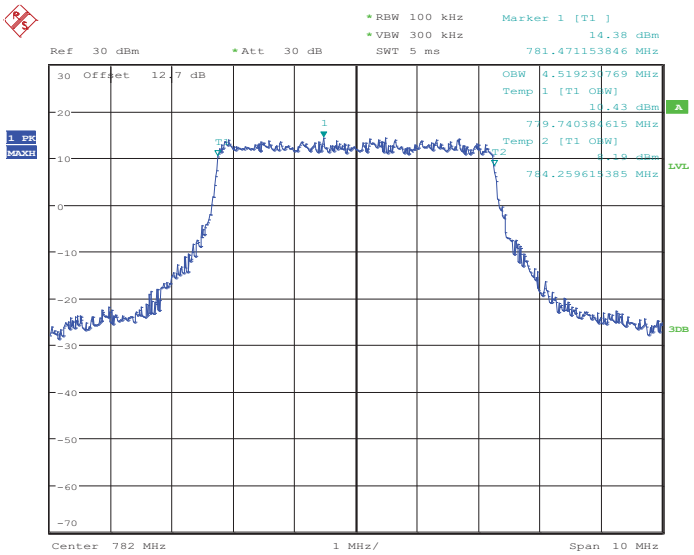
26dB Bandwidth Plot on Channel 23230



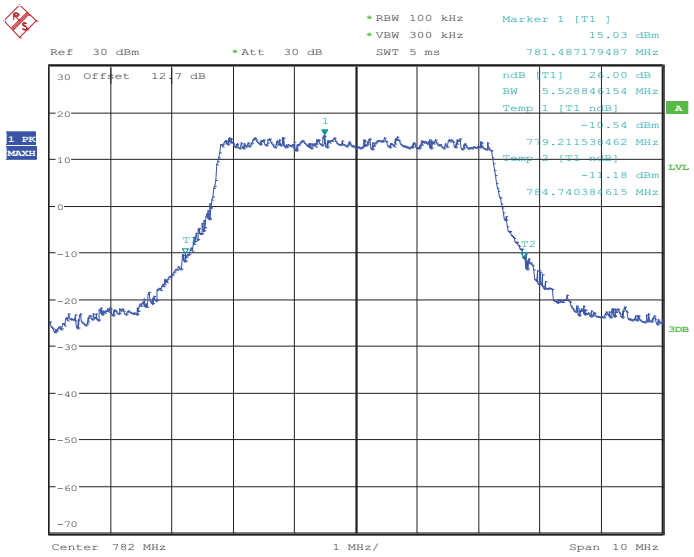
Date: 17.JUN.2013 15:28:32

Band :	LTE Band 13	BW / Mod. :	5MHz / 16QAM

99% Occupied Bandwidth Plot on Channel 23230

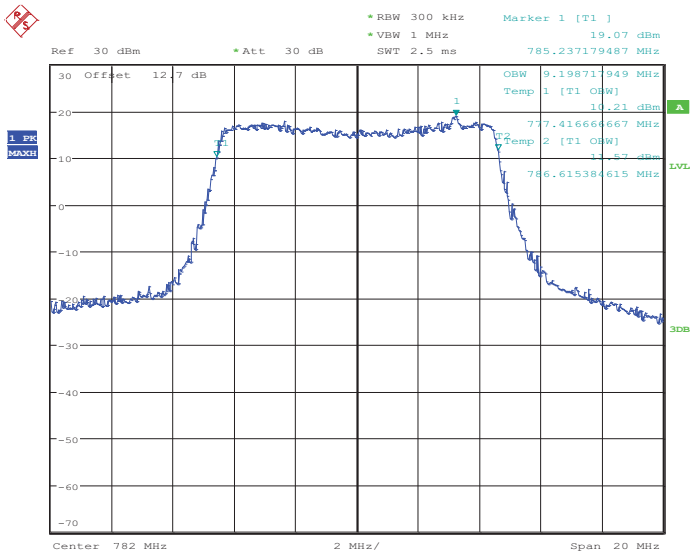


26dB Bandwidth Plot on Channel 23230



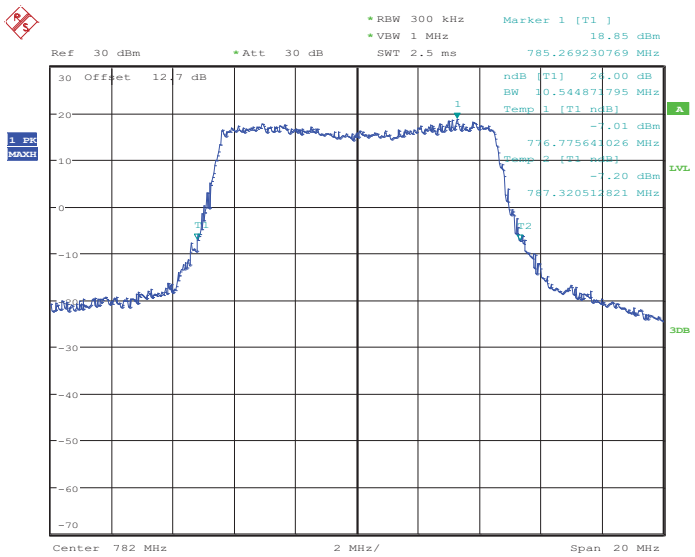
Band :	LTE Band 13	BW / Mod. :	10MHz / QPSK

99% Occupied Bandwidth Plot on Channel 23230



Date: 17.JUN.2013 15:37:40

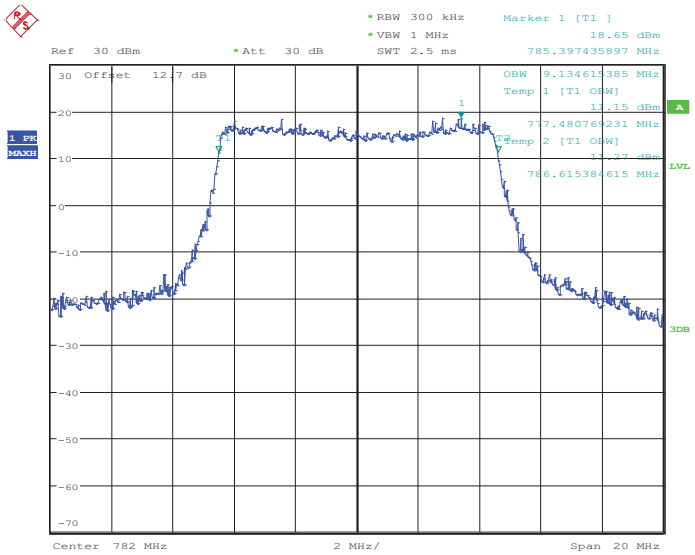
26dB Bandwidth Plot on Channel 23230



Date: 17.JUN.2013 15:27:07

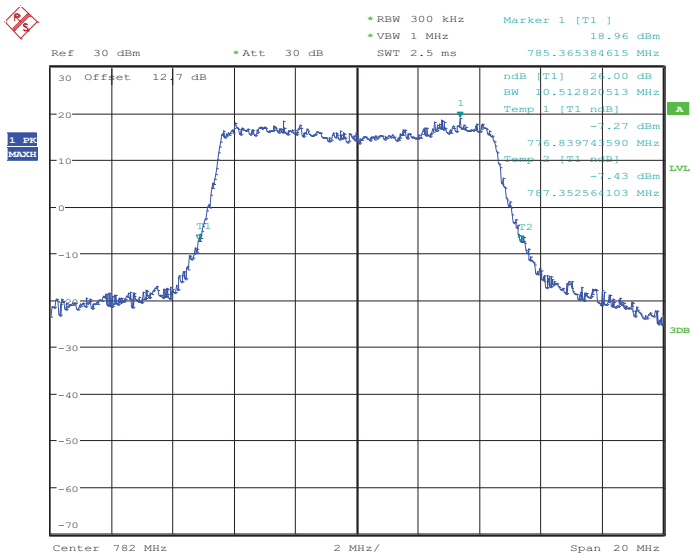
Band :	LTE Band 13	BW / Mod. :	10MHz / 16QAM

99% Occupied Bandwidth Plot on Channel 23230



Date: 17.JUN.2013 15:37:53

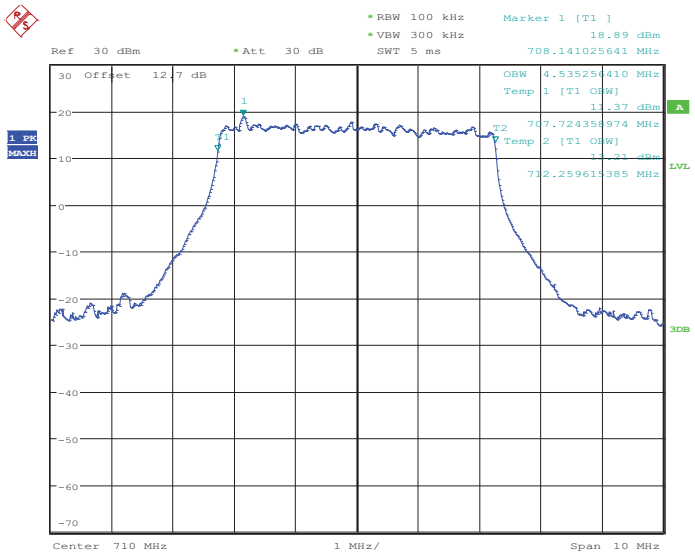
26dB Bandwidth Plot on Channel 23230



Date: 17.JUN.2013 15:27:24

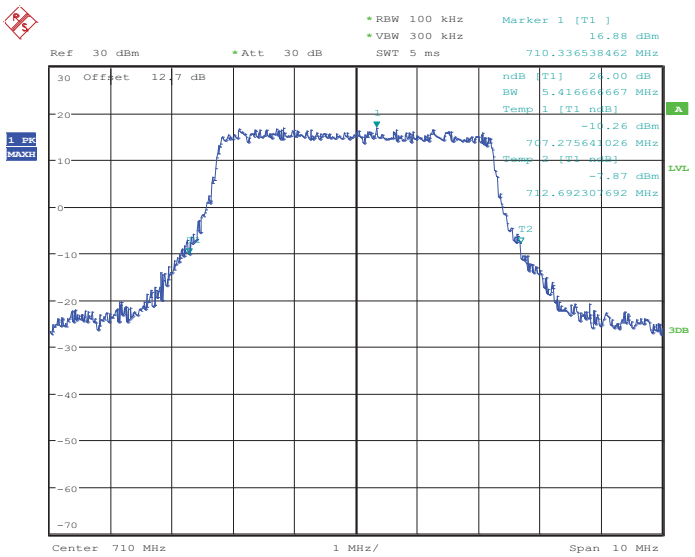
Band :	LTE Band 17	BW / Mod. :	5MHz / QPSK

99% Occupied Bandwidth Plot on Channel 23790



Date: 18.JUN.2013 13:53:34

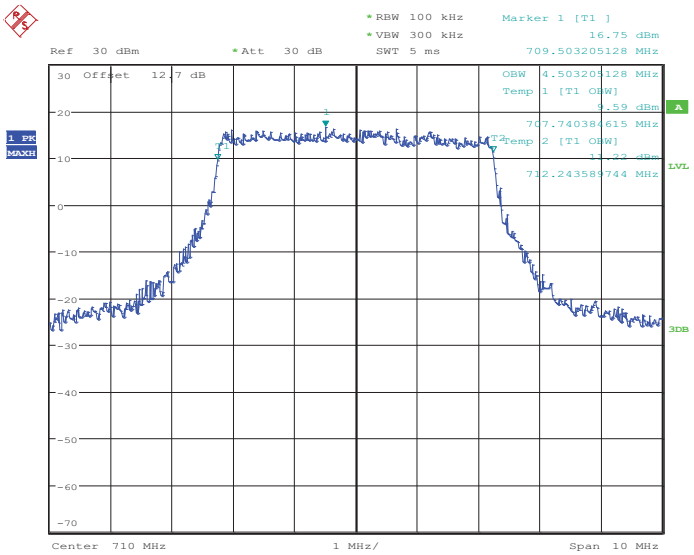
26dB Bandwidth Plot on Channel 23790



Date: 18.JUN.2013 16:01:48

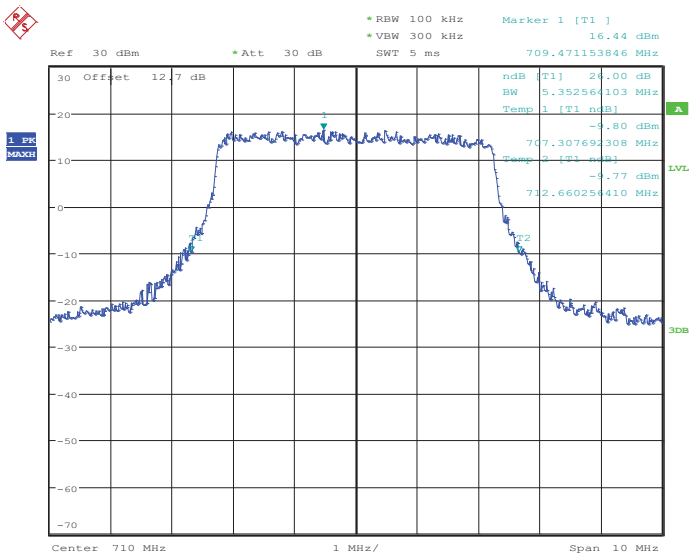
Band :	LTE Band 17	BW / Mod. :	5MHz / 16QAM

99% Occupied Bandwidth Plot on Channel 23790



Date: 18.JUN.2013 13:53:52

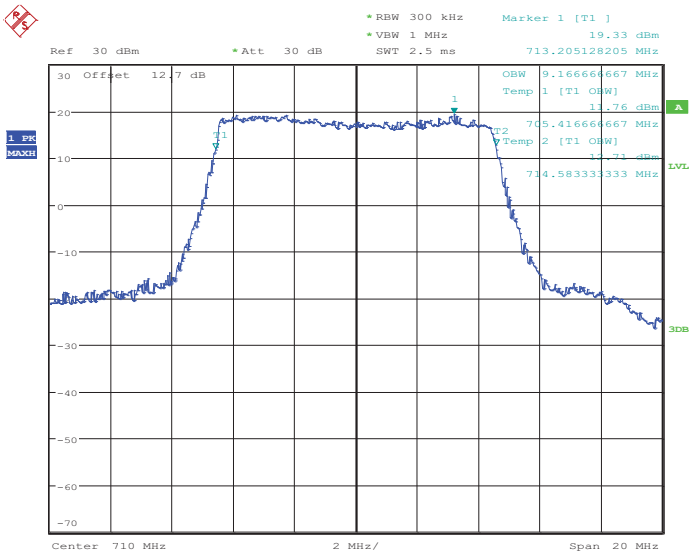
26dB Bandwidth Plot on Channel 23790



Date: 18.JUN.2013 16:01:34

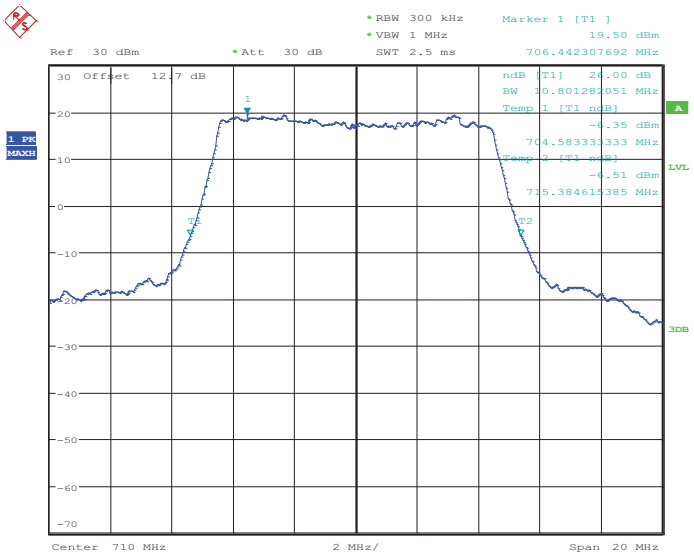
Band :	LTE Band 17	BW / Mod. :	10MHz / QPSK

99% Occupied Bandwidth Plot on Channel 23790



Date: 18.JUN.2013 13:56:45

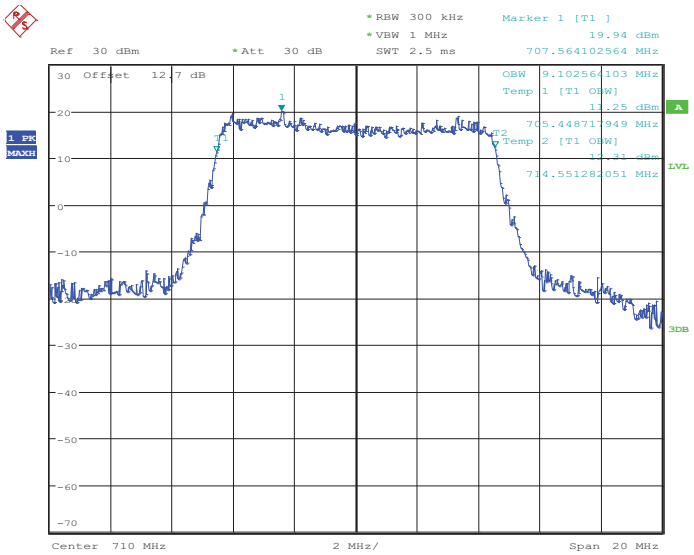
26dB Bandwidth Plot on Channel 23790



Date: 18.JUN.2013 16:00:23

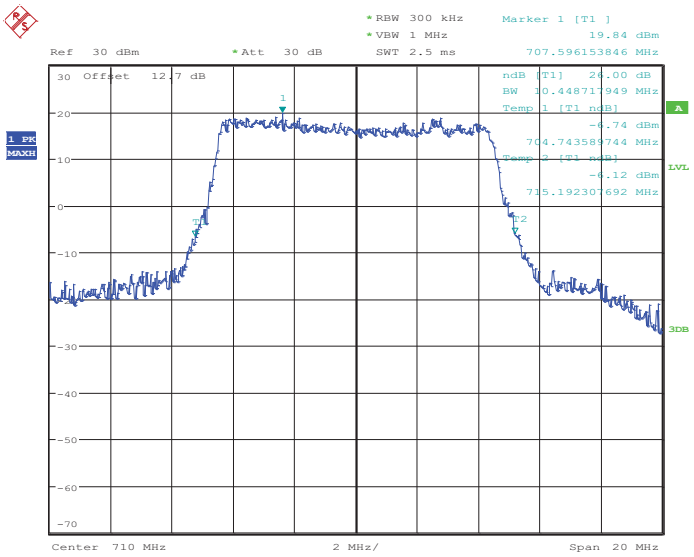
Band :	LTE Band 17	BW / Mod. :	10MHz / 16QAM

99% Occupied Bandwidth Plot on Channel 23790



Date: 18.JUN.2013 13:56:58

26dB Bandwidth Plot on Channel 23790



Date: 18.JUN.2013 16:00:44

3.4 Conducted Band Edge Measurement

3.4.1 Description of Conducted Band Edge Measurement

22.917(a) For Band 5

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

24.238 (a) For Band 2

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

27.53 (c) For Band 13

For operations in the 776-788 MHz band, the FCC limit is 43 + $10\log_{10}$(P[Watts]) dB below the transmitter power P(Watts) in a 100 kHz bandwidth. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed.

27.53 (g) For Band 17

For operations in the 698 -746 MHz band, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(Watts) in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

27.53 (h) For Band 4

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

27.53 (m) For Band 7

The emissions be operated in the 2496-2690 MHz band, the attenuation factor of transmitter Power (P) shall be not less than 43 + 10 log (P) dB at the channel edge and 55 + 10 log (P) dB at 5.5MHz

from the channel edge.

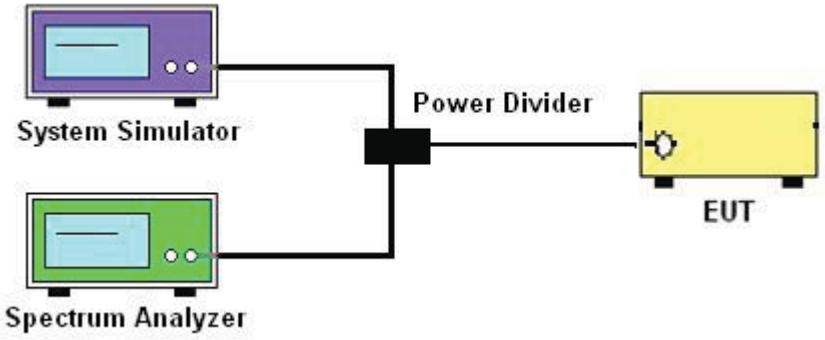
3.4.2 Measuring Instruments

See list of measuring instruments of this test report.

3.4.3 Test Procedures

1. The EUT was connected to Spectrum Analyzer and Base Station via power divider.
2. The band edges of low and high channels for the highest RF powers were measured. Setting RBW ≥ 1% EBW, and measuring bandwidth = 1MHz.
3. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
4. The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
   = P(W)- [43 + 10log(P)] (dB)
   = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
   = -13dBm.
5. The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)
   = P(W)- [55 + 10log(P)] (dB)
   = [30 + 10log(P)] (dBm) - [55 + 10log(P)] (dB)
   = -25dBm.

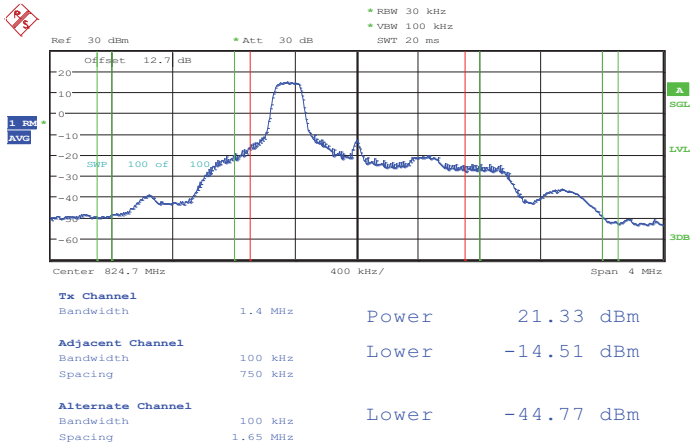
3.4.4 Test Setup



3.4.5 Test Result (Plots) of Conducted Band Edge

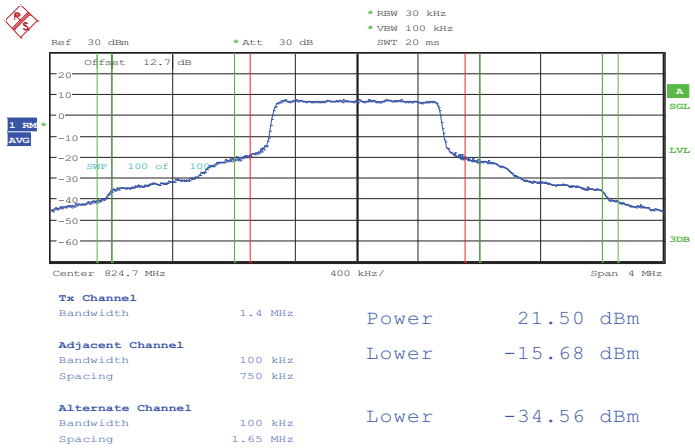
Band :	LTE Band 5	Band Width :	1.4MHz / QPSK

Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



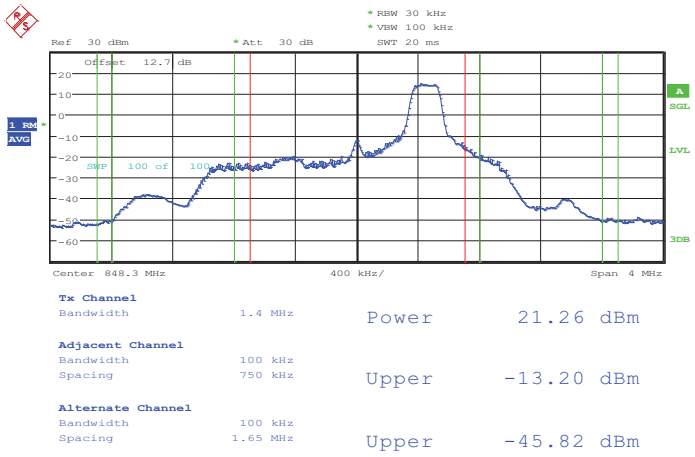
Date: 17.JUN.2013 13:40:34

Lower Band Edge Plot for QPSK-RB Size 6, RB Offset 0



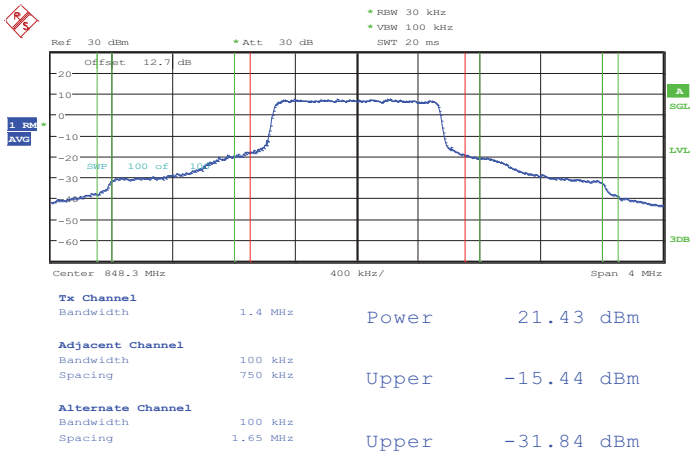
Date: 17.JUN.2013 13:41:02

Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 5



Date: 17.JUN.2013 13:38:43

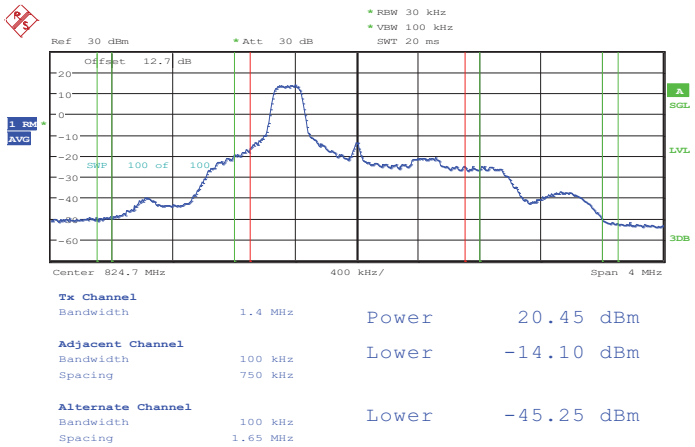
Higher Band Edge Plot for QPSK-RB Size 6, RB Offset 0



Date: 17.JUN.2013 13:36:52

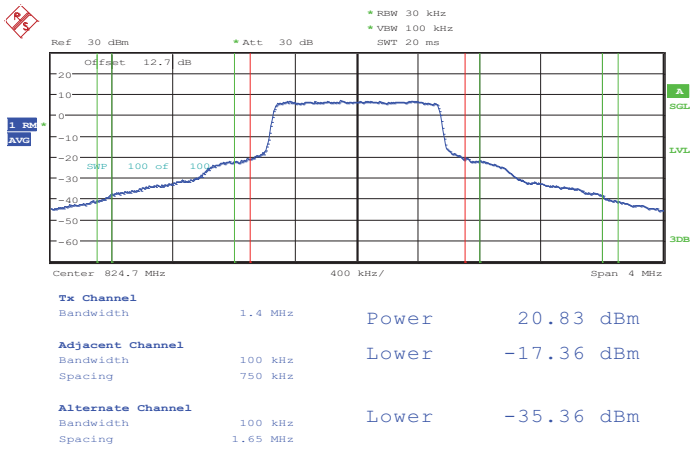
Band :	LTE Band 5	Band Width :	1.4MHz / 16QAM

Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



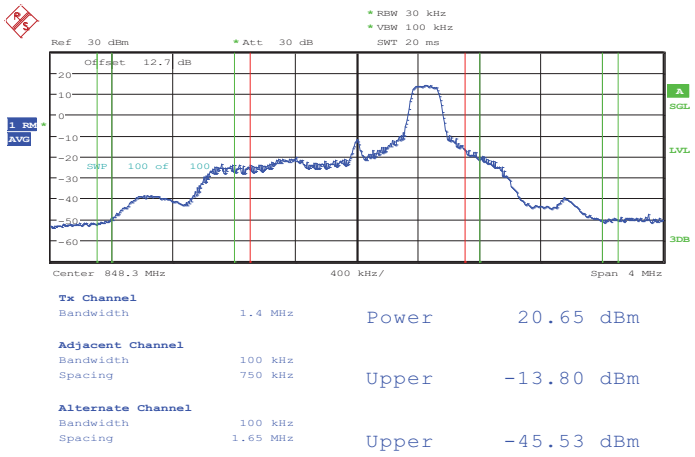
Date: 17.JUN.2013 13:40:18

Lower Band Edge Plot for 16QAM -RB Size 6, RB Offset 0



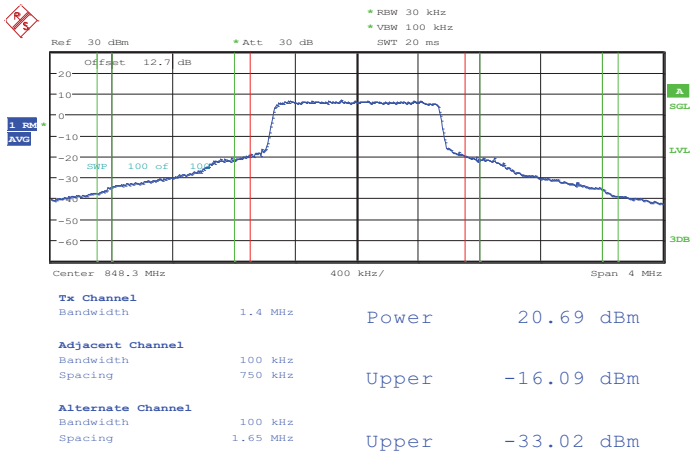
Date: 17.JUN.2013 13:41:21

Higher Band Edge Plot for 16QAM -RB Size 1, RB Offset 5



Date: 17.JUN.2013 13:39:02

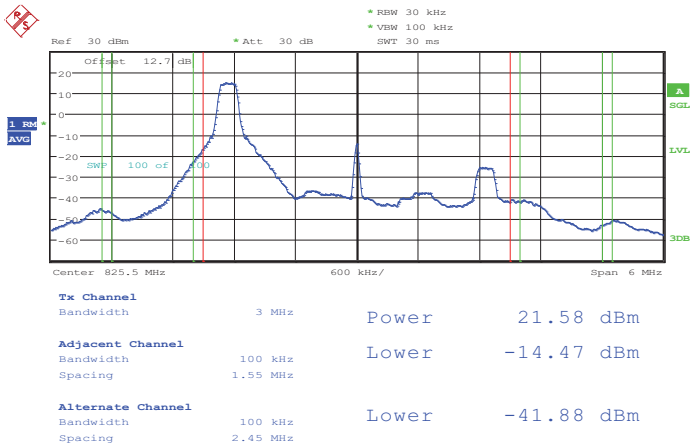
Higher Band Edge Plot for 16QAM -RB Size 6, RB Offset 0



Date: 17.JUN.2013 13:37:12

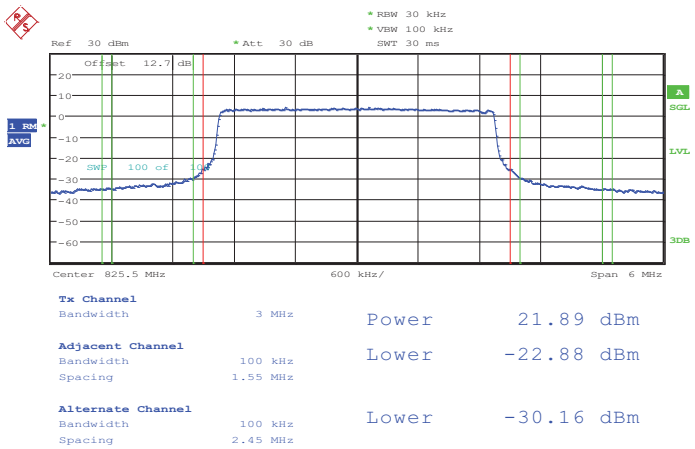
Band :	LTE Band 5	Band Width :	3MHz / QPSK

Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



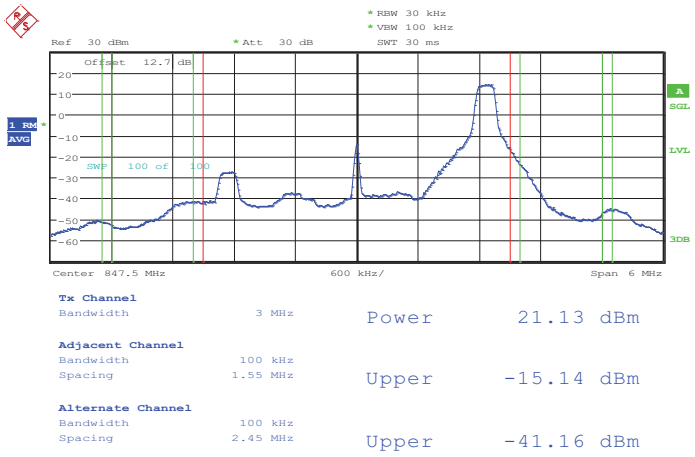
Date: 17.JUN.2013 11:56:52

Lower Band Edge Plot for QPSK-RB Size 15, RB Offset 0



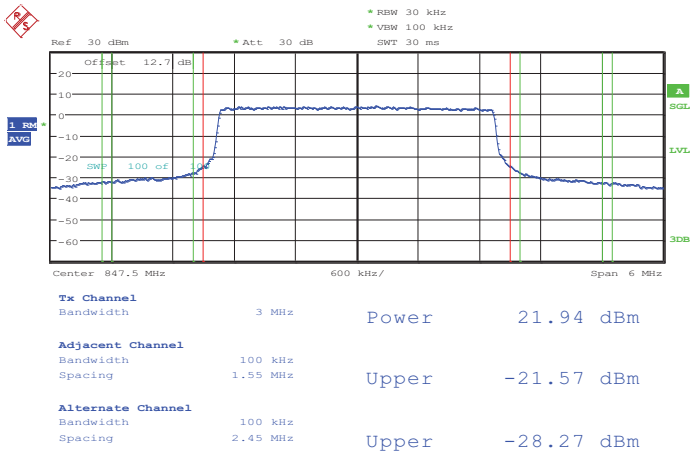
Date: 17.JUN.2013 11:57:55

Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 14



Date: 17.JUN.2013 12:00:14

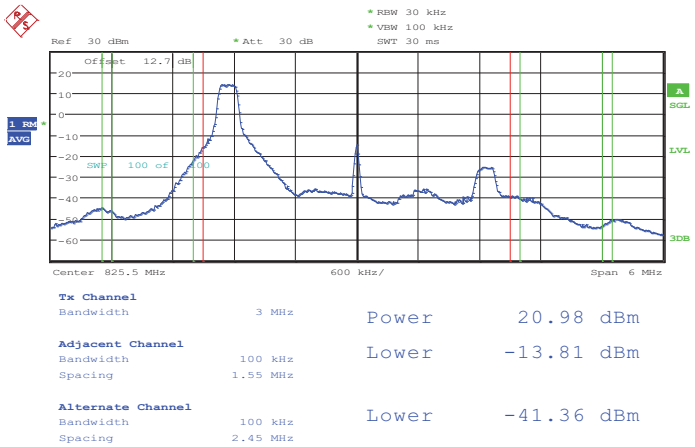
Higher Band Edge Plot for QPSK-RB Size 15, RB Offset 0



Date: 17.JUN.2013 11:59:18

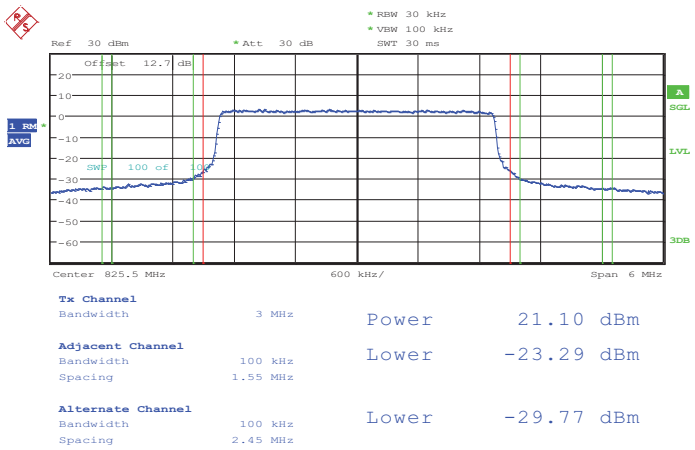
Band :	LTE Band 5	Band Width :	3MHz / 16QAM

Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



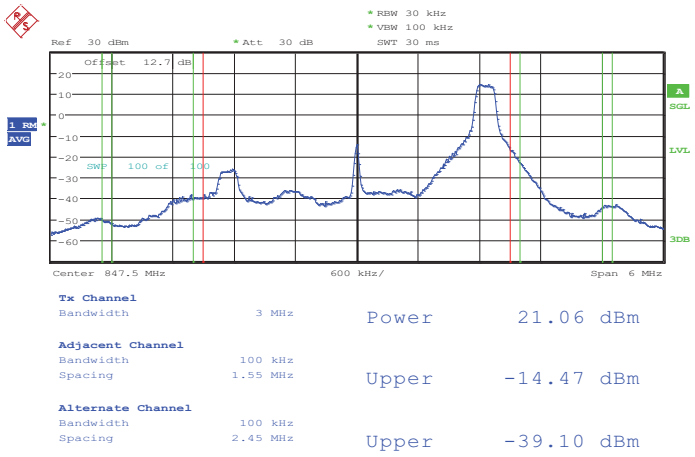
Date: 17.JUN.2013 11:57:11

Lower Band Edge Plot for 16QAM -RB Size 15, RB Offset 0



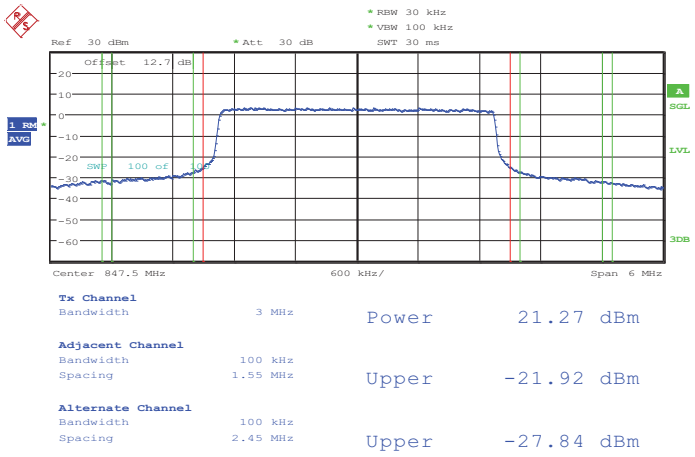
Date: 17.JUN.2013 11:57:40

Higher Band Edge Plot for 16QAM -RB Size 1, RB Offset 14



Date: 17.JUN.2013 11:59:58

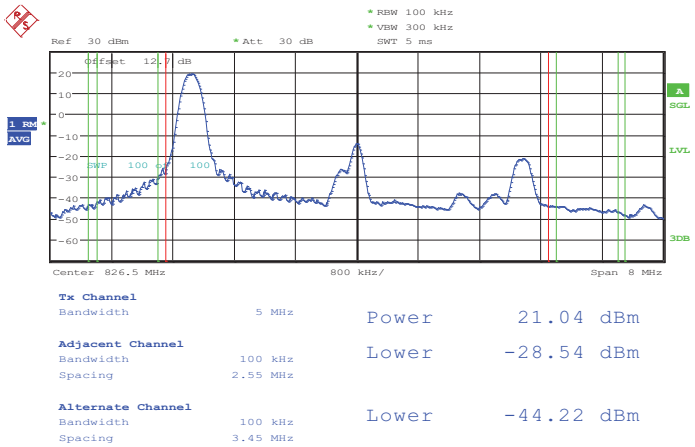
Higher Band Edge Plot for 16QAM -RB Size 15, RB Offset 0



Date: 17.JUN.2013 11:59:36

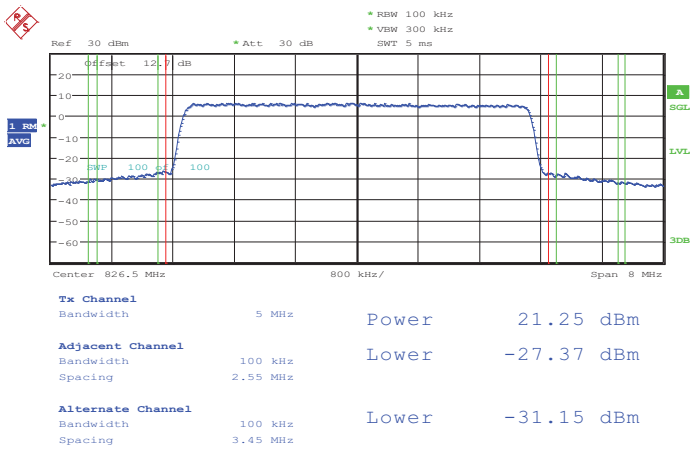
Band :	LTE Band 5	Band Width :	5MHz / QPSK

Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



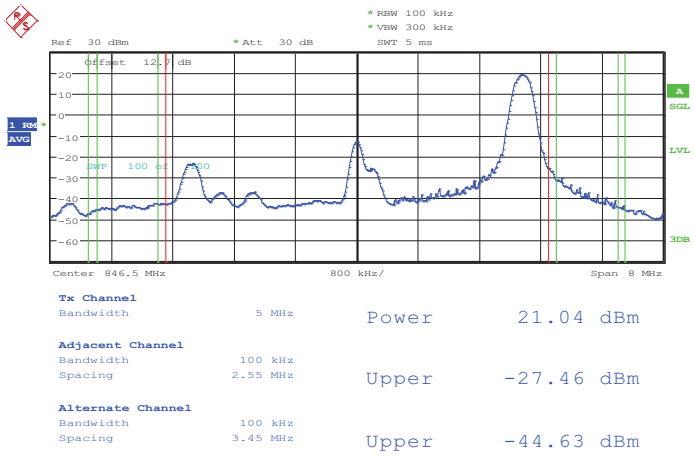
Date: 17.JUN.2013 11:49:24

Lower Band Edge Plot for QPSK-RB Size 25, RB Offset 0



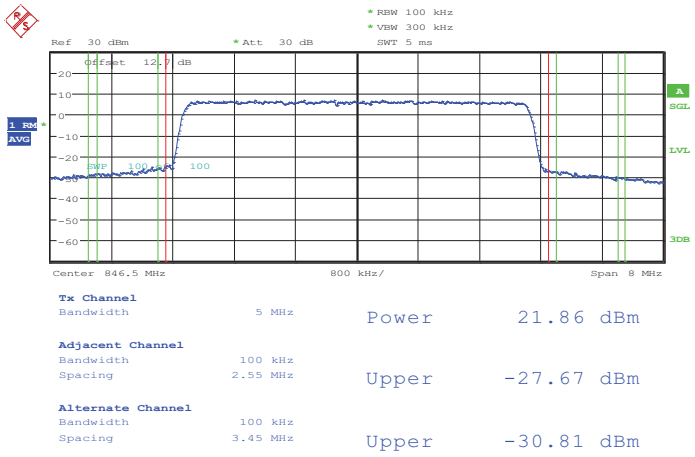
Date: 17.JUN.2013 11:49:41

Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 24



Date: 17.JUN.2013 11:47:42

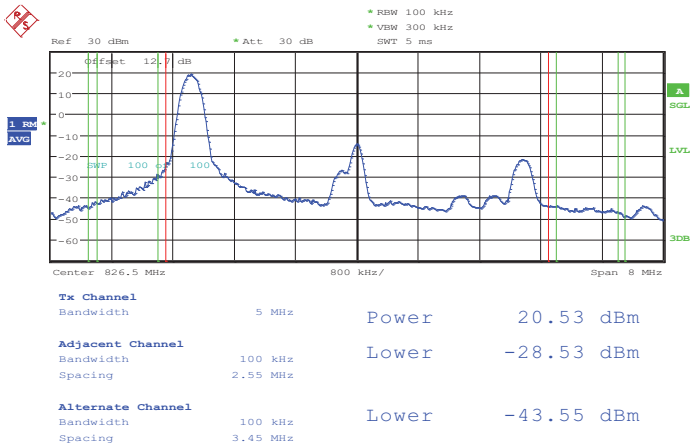
Higher Band Edge Plot for QPSK-RB Size 25, RB Offset 0



Date: 17.JUN.2013 11:45:24

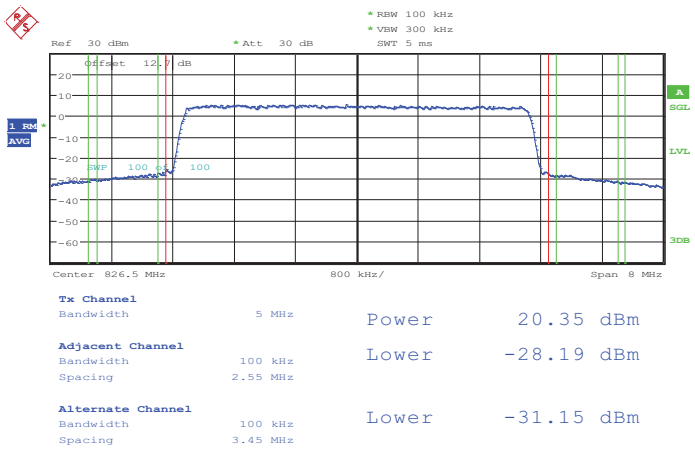
Band :	LTE Band 5	Band Width :	5MHz / 16QAM

Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



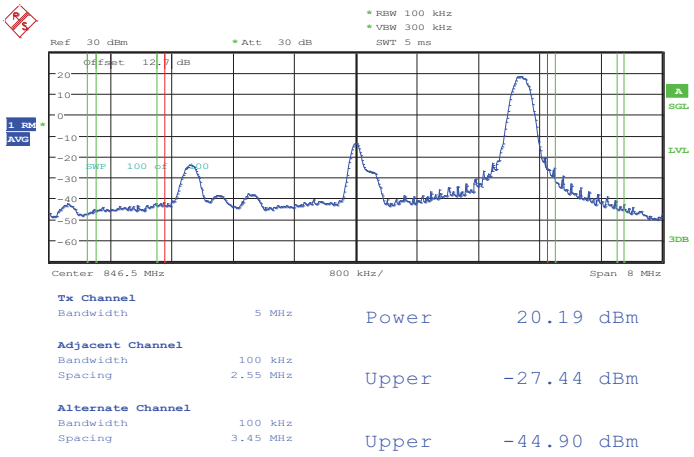
Date: 17.JUN.2013 11:49:10

Lower Band Edge Plot for 16QAM -RB Size 25, RB Offset 0



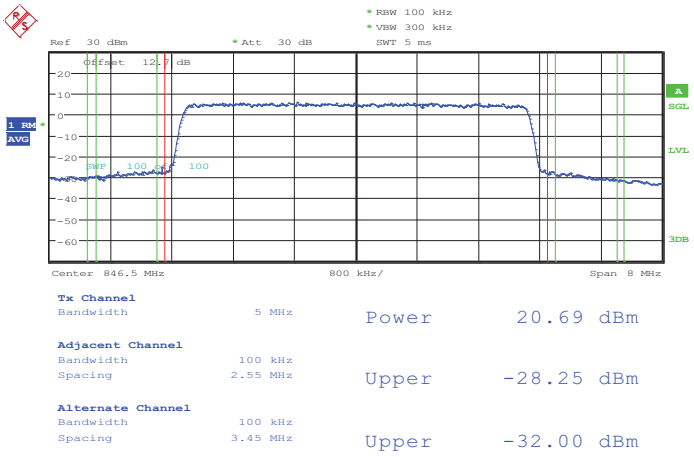
Date: 17.JUN.2013 11:49:59

Higher Band Edge Plot for 16QAM -RB Size 1, RB Offset 24



Date: 17.JUN.2013 11:47:57

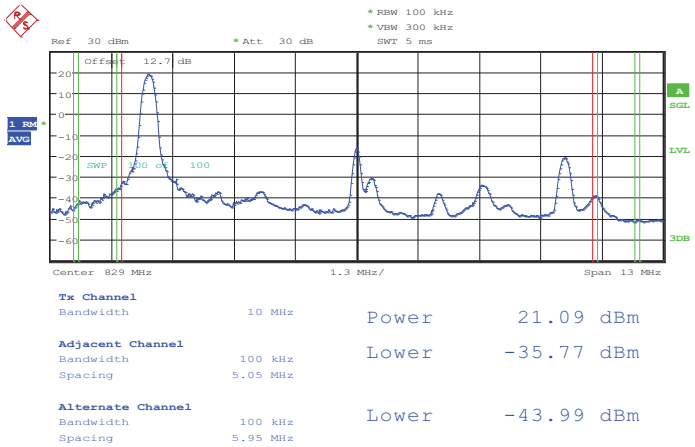
Higher Band Edge Plot for 16QAM -RB Size 25, RB Offset 0



Date: 17.JUN.2013 11:45:44

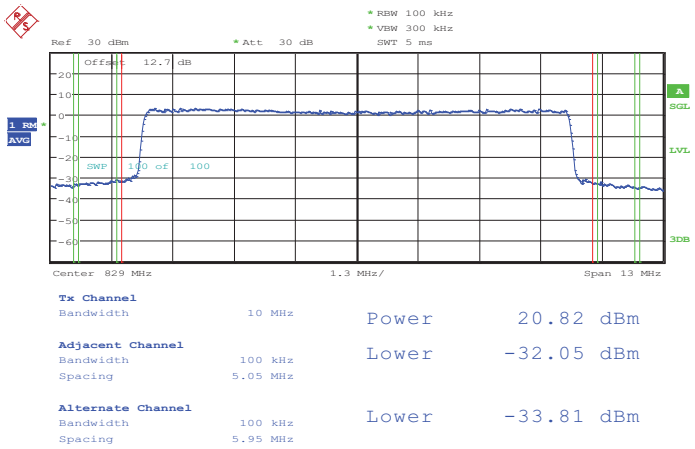
Band :	LTE Band 5	Band Width :	10MHz / QPSK

Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



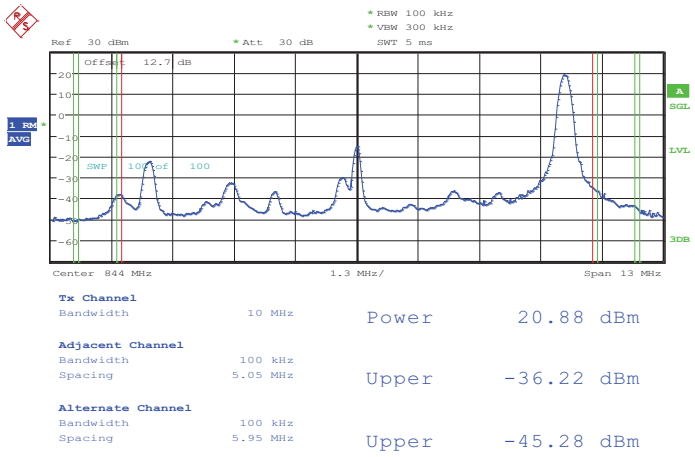
Date: 17.JUN.2013 11:40:15

Lower Band Edge Plot for QPSK-RB Size 50, RB Offset 0



Date: 17.JUN.2013 11:39:21

Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 49



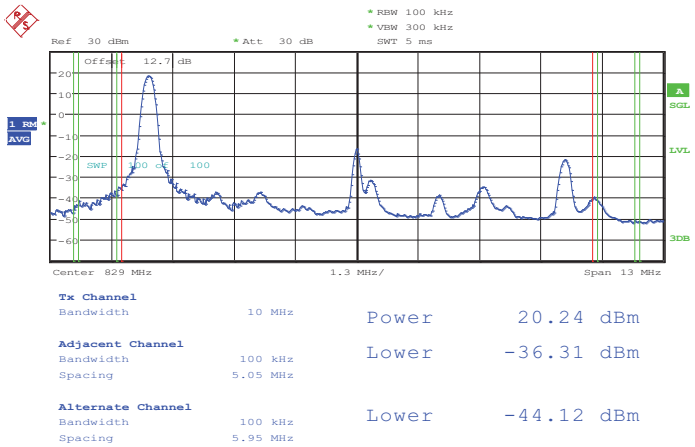
Date: 17.JUN.2013 11:41:04

Higher Band Edge Plot for QPSK-RB Size 50, RB Offset 0

Date: 17.JUN.2013 11:42:06

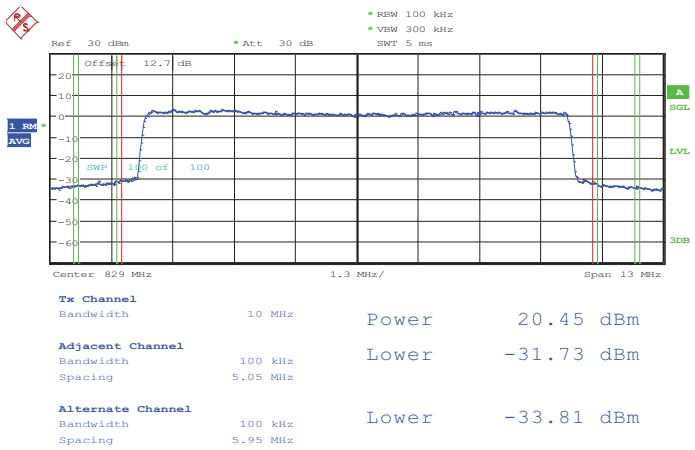
Band :	LTE Band 5	Band Width :	10MHz / 16QAM

Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



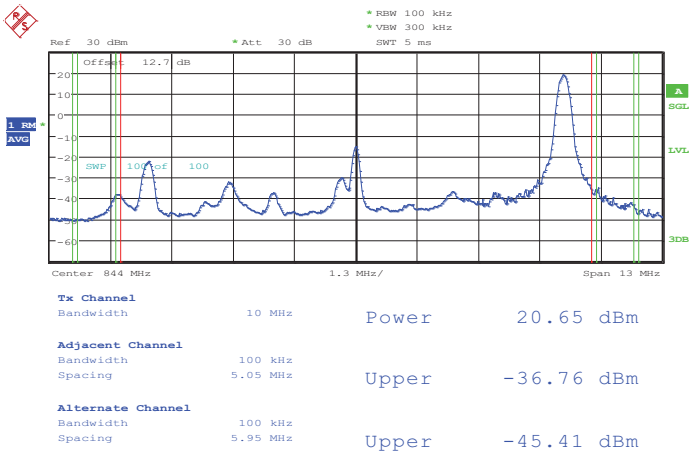
Date: 17.JUN.2013 11:40:00

Lower Band Edge Plot for 16QAM -RB Size 50, RB Offset 0



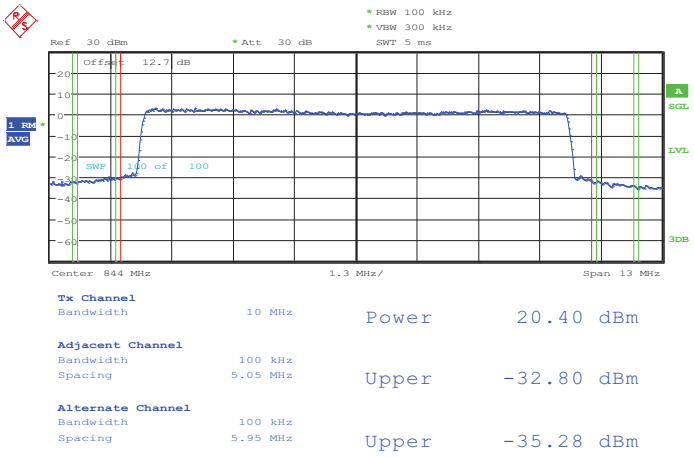
Date: 17.JUN.2013 11:39:42

Higher Band Edge Plot for 16QAM -RB Size 1, RB Offset 49



Date: 17.JUN.2013 11:41:22

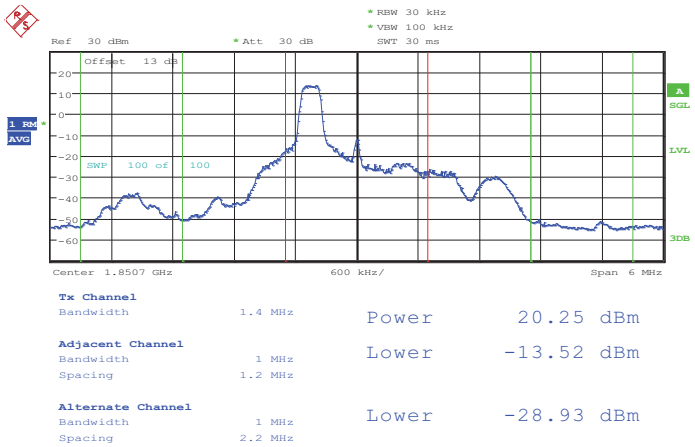
Higher Band Edge Plot for 16QAM -RB Size 50, RB Offset 0



Date: 17.JUN.2013 11:41:50

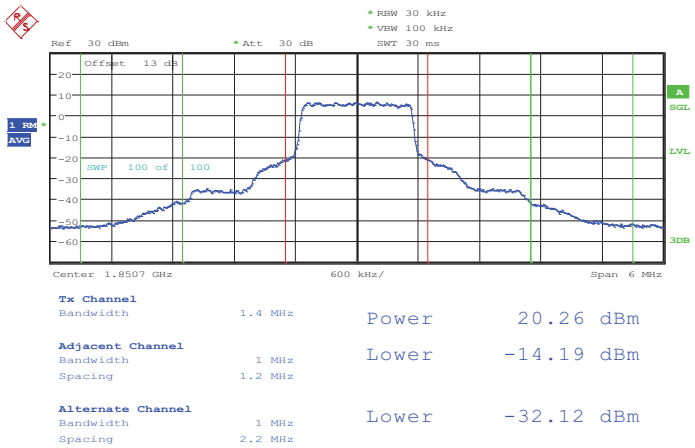
Band :	LTE Band 2	Band Width :	1.4MHz / QPSK

Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



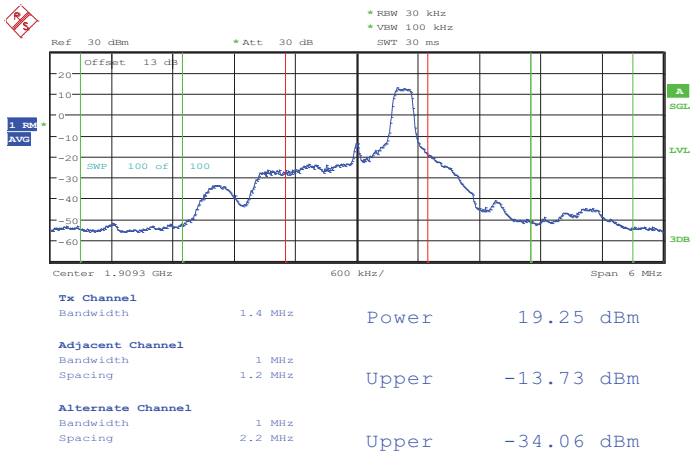
Date: 15.JUN.2013 06:15:13

Lower Band Edge Plot for QPSK-RB Size 6, RB Offset 0



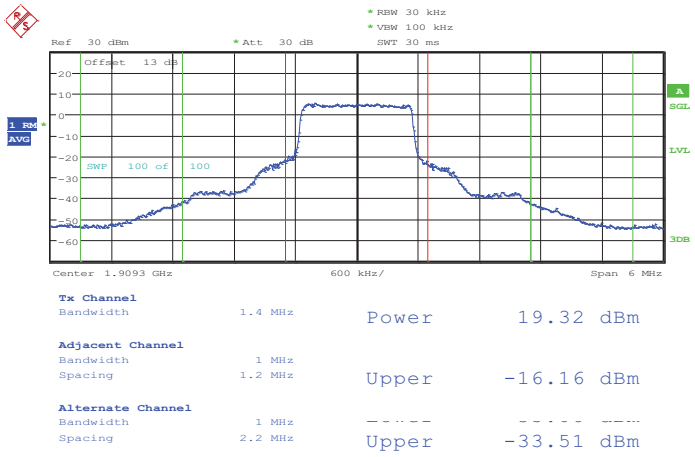
Date: 15.JUN.2013 06:14:28

Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 5



Date: 15.JUN.2013 06:18:46

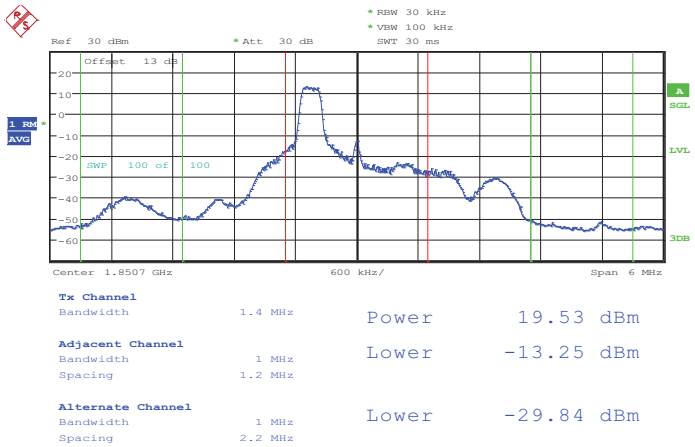
Higher Band Edge Plot for QPSK-RB Size 6, RB Offset 0



Date: 15.JUN.2013 06:19:05

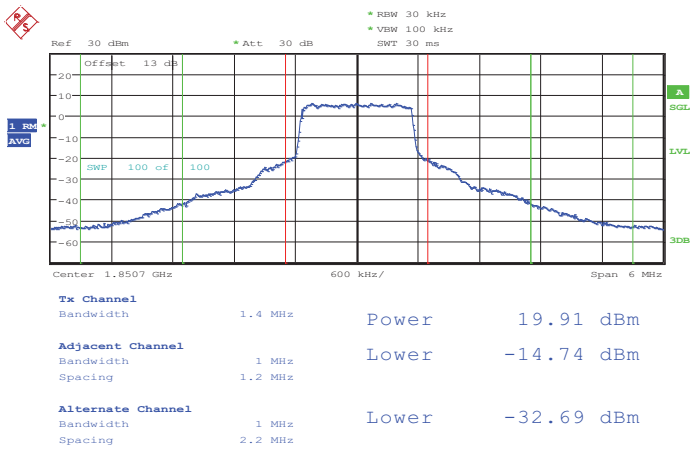
Band :	LTE Band 2	Band Width :	1.4MHz / 16QAM

Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



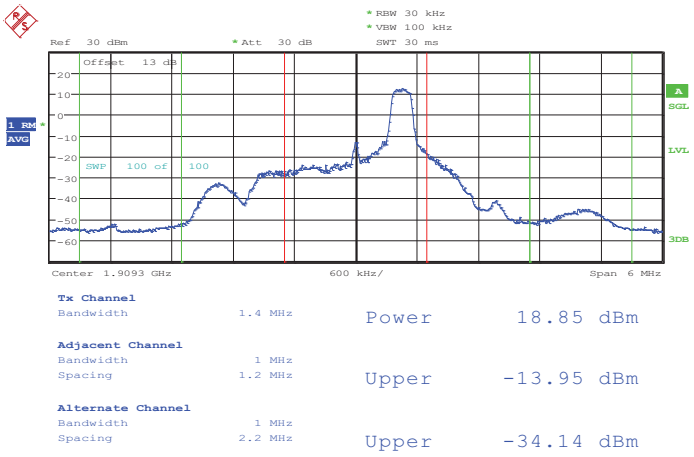
Date: 15.JUN.2013 06:16:00

Lower Band Edge Plot for 16QAM -RB Size 6, RB Offset 0



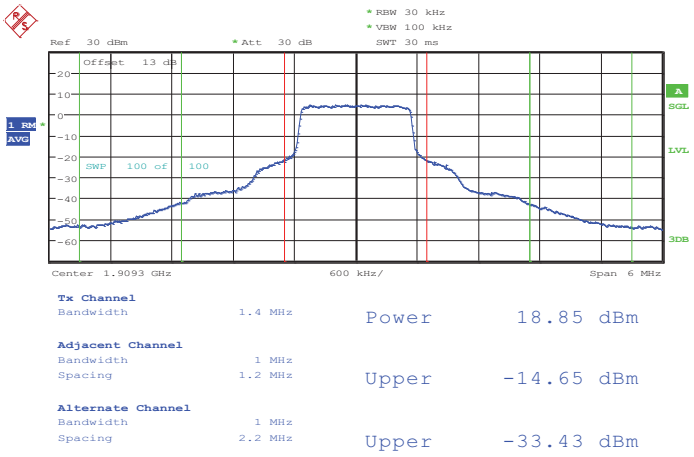
Date: 15.JUN.2013 06:16:25

Higher Band Edge Plot for 16QAM -RB Size 1, RB Offset 5



Date: 15.JUN.2013 06:18:34

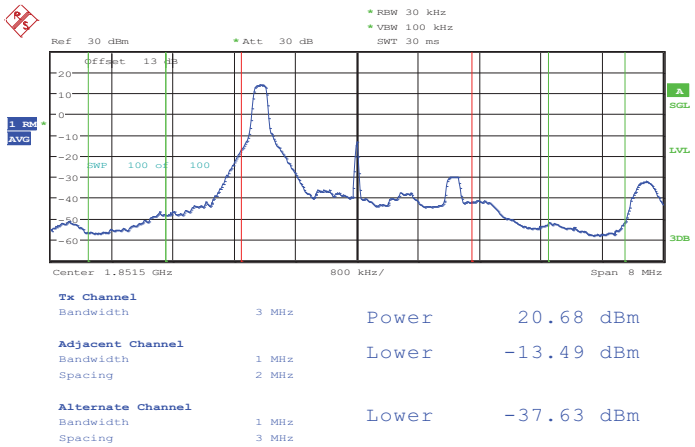
Higher Band Edge Plot for 16QAM -RB Size 6, RB Offset 0



Date: 15.JUN.2013 06:18:00

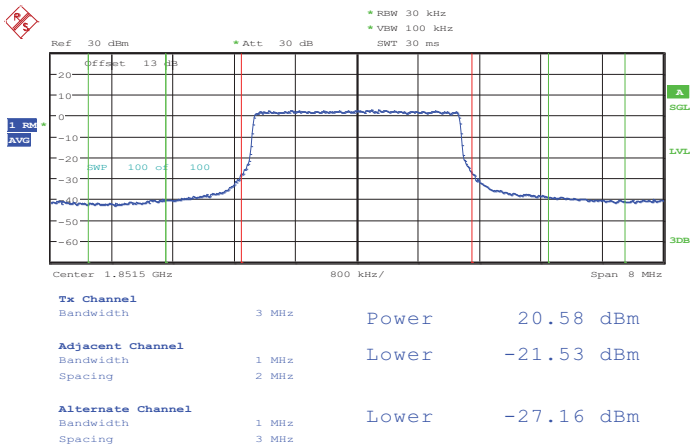
Band :	LTE Band 2	Band Width :	3MHz / QPSK

Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



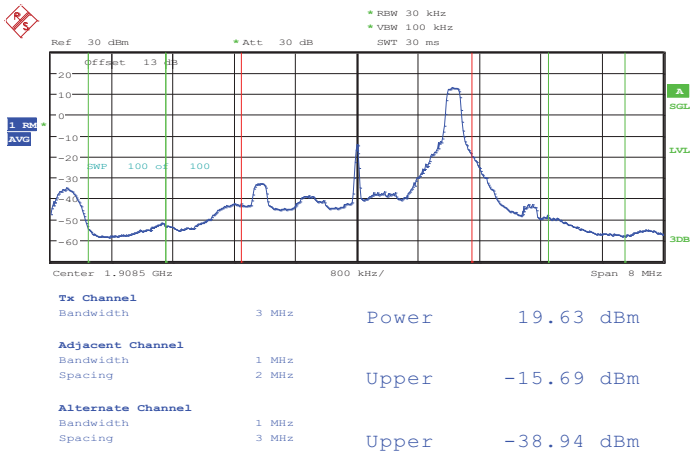
Date: 15.JUN.2013 06:10:49

Lower Band Edge Plot for QPSK-RB Size 15, RB Offset 0



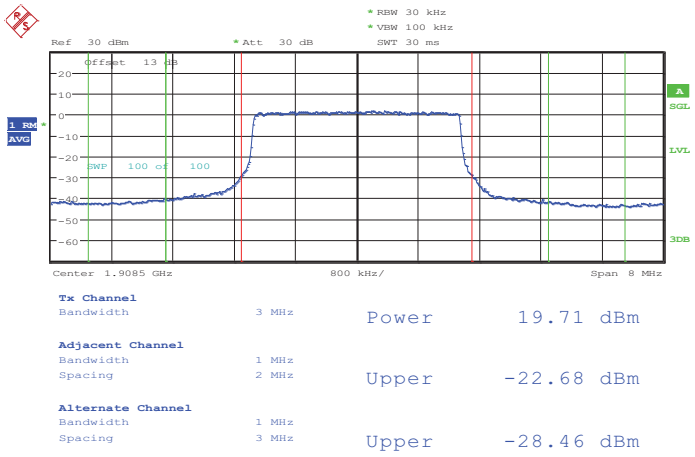
Date: 15.JUN.2013 06:11:16

Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 14



Date: 15.JUN.2013 06:08:36

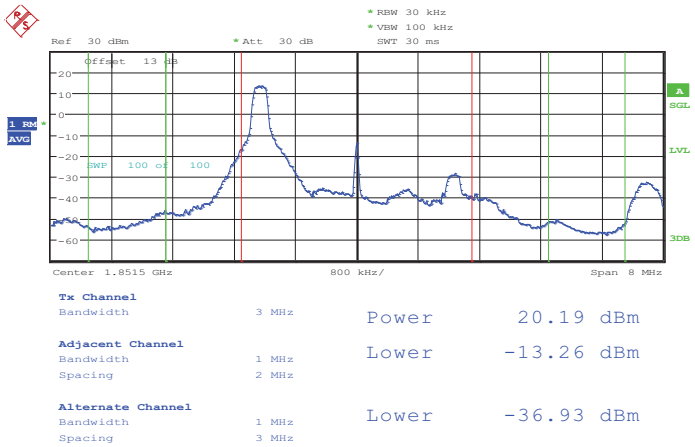
Higher Band Edge Plot for QPSK-RB Size 15, RB Offset 0



Date: 15.JUN.2013 06:08:19

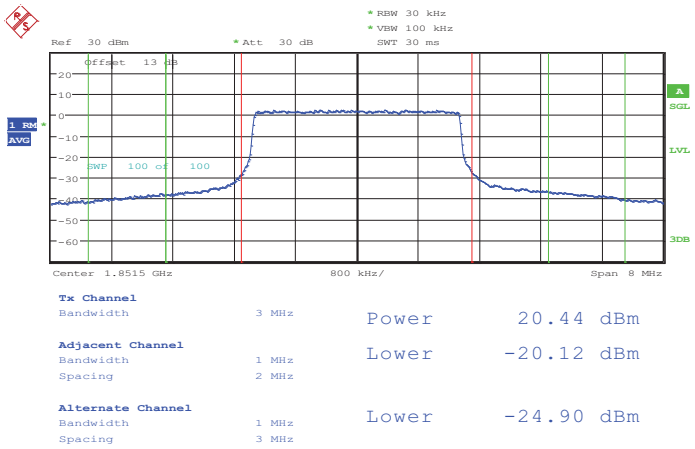
Band :	LTE Band 2	Band Width :	3MHz / 16QAM

Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



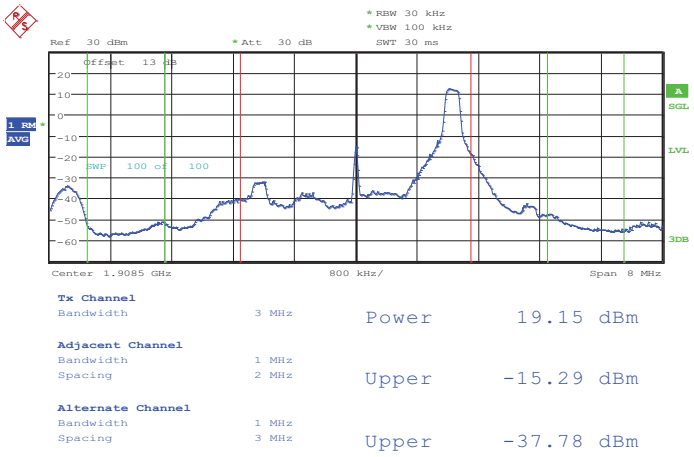
Date: 15.JUN.2013 06:10:30

Lower Band Edge Plot for 16QAM -RB Size 15, RB Offset 0



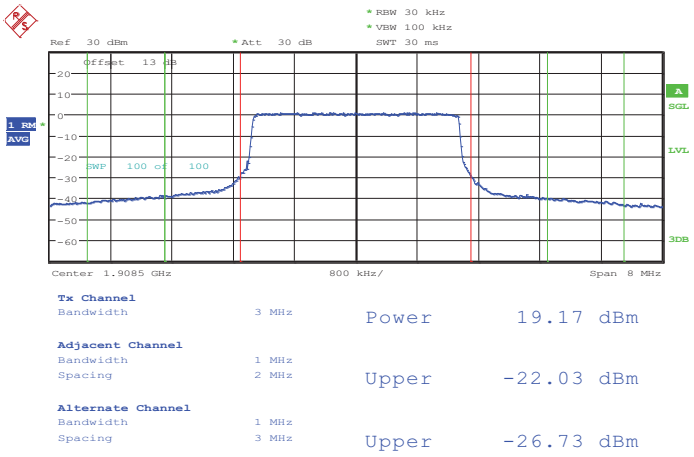
Date: 15.JUN.2013 06:09:35

Higher Band Edge Plot for 16QAM -RB Size 1, RB Offset 14



Date: 15.JUN.2013 06:08:50

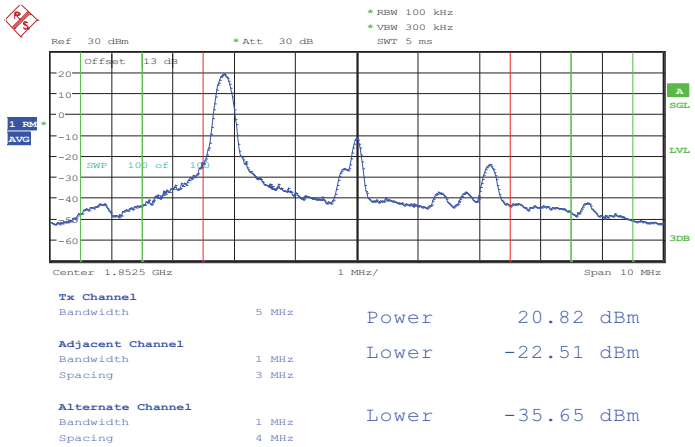
Higher Band Edge Plot for 16QAM -RB Size 15, RB Offset 0



Date: 15.JUN.2013 06:09:07

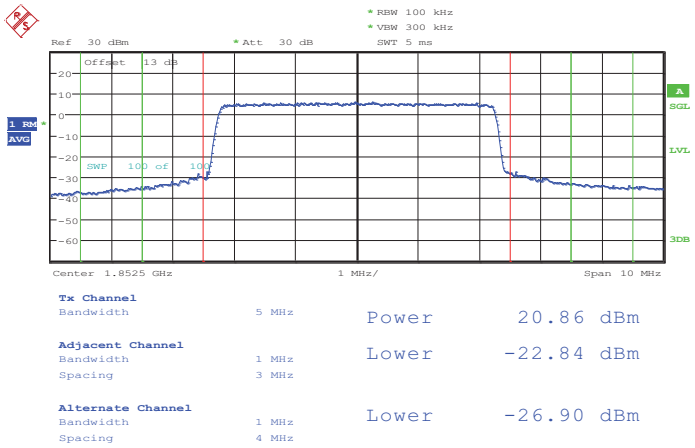
Band :	LTE Band 2	Band Width :	5MHz / QPSK

Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



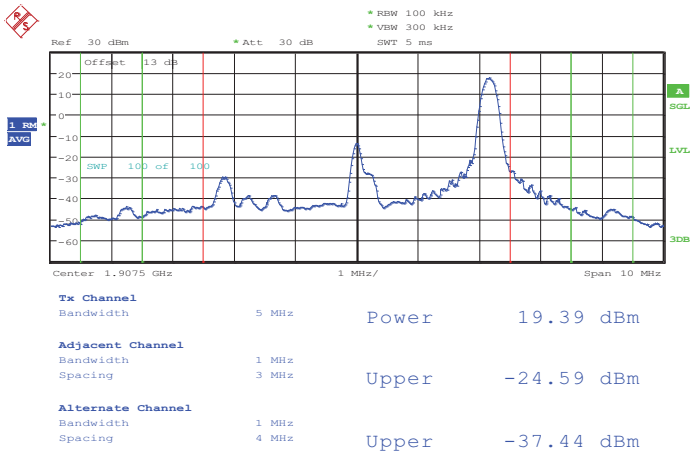
Date: 15.JUN.2013 06:04:16

Lower Band Edge Plot for QPSK-RB Size 25, RB Offset 0



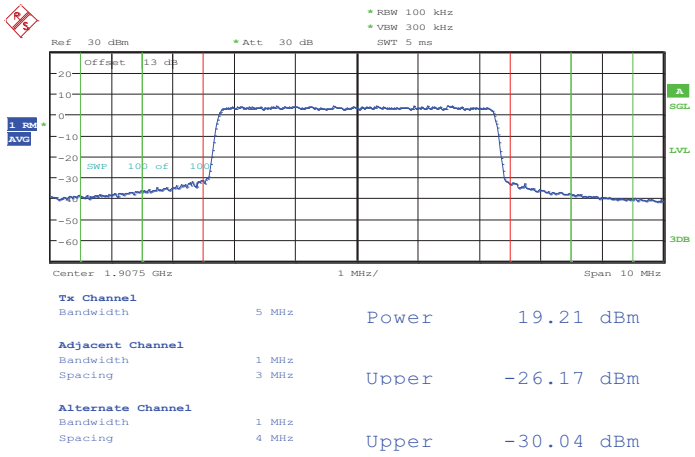
Date: 15.JUN.2013 06:04:00

Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 24



Date: 15.JUN.2013 06:05:57

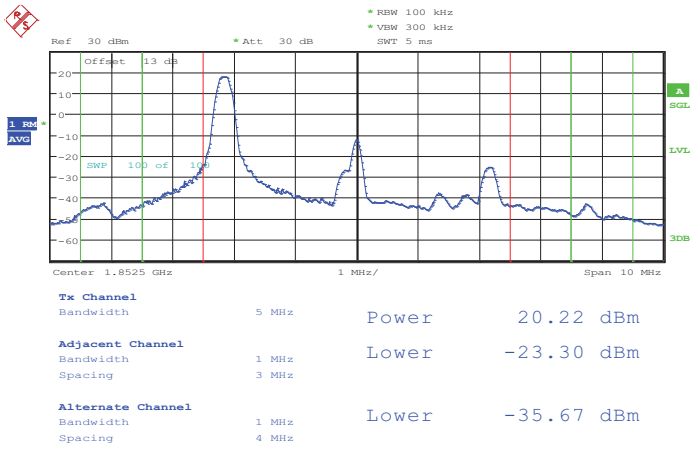
Higher Band Edge Plot for QPSK-RB Size 25, RB Offset 0



Date: 15.JUN.2013 06:06:08

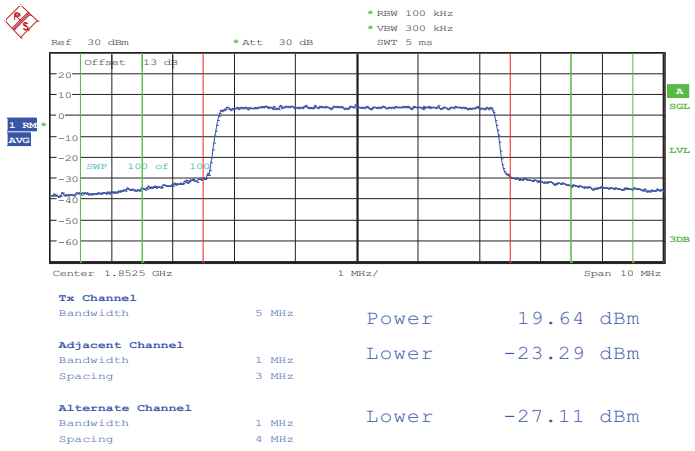
Band :	LTE Band 2	Band Width :	5MHz / 16QAM

Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



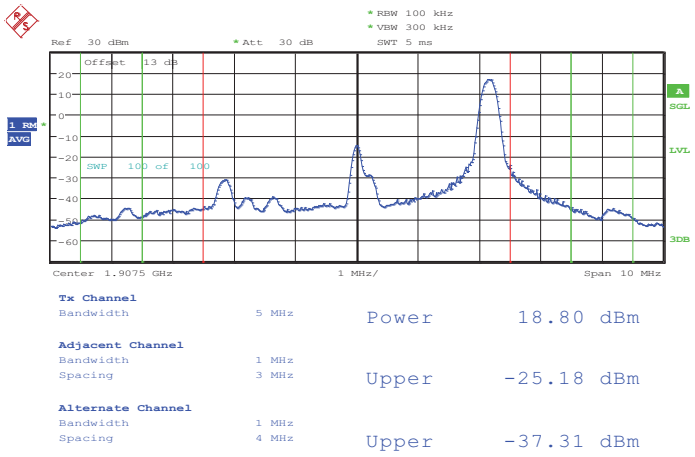
Date: 15.JUN.2013 06:04:25

Lower Band Edge Plot for 16QAM-RB Size 25, RB Offset 0



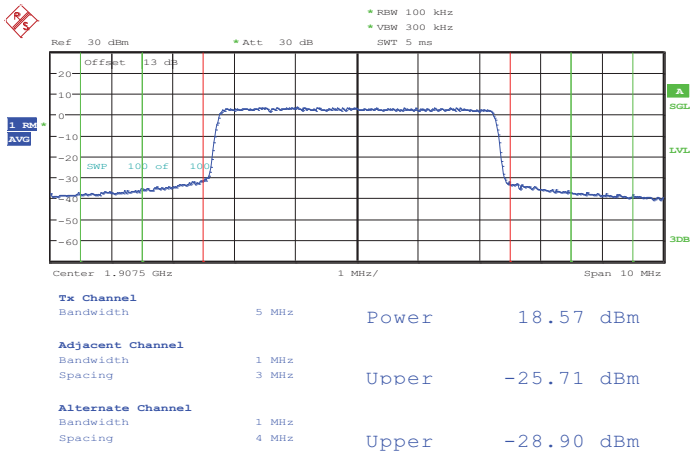
Date: 15.JUN.2013 06:04:41

Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 24



Date: 15.JUN.2013 06:05:48

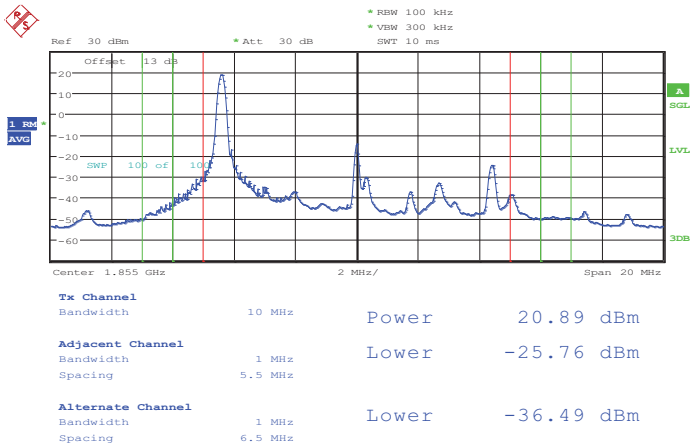
Higher Band Edge Plot for 16QAM-RB Size 25, RB Offset 0



Date: 15.JUN.2013 06:05:33

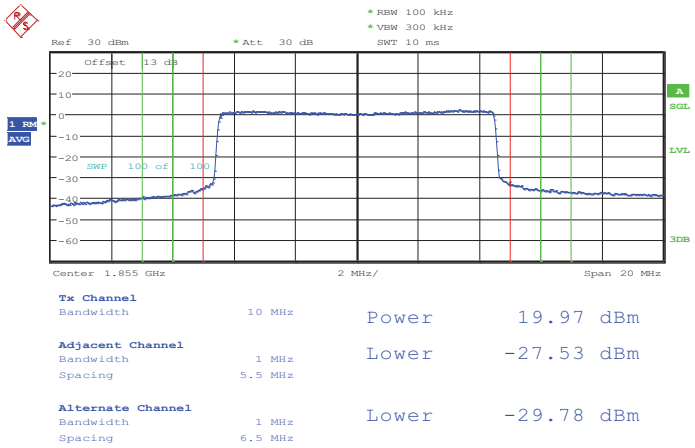
Band :	LTE Band 2	Band Width :	10MHz / QPSK

Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



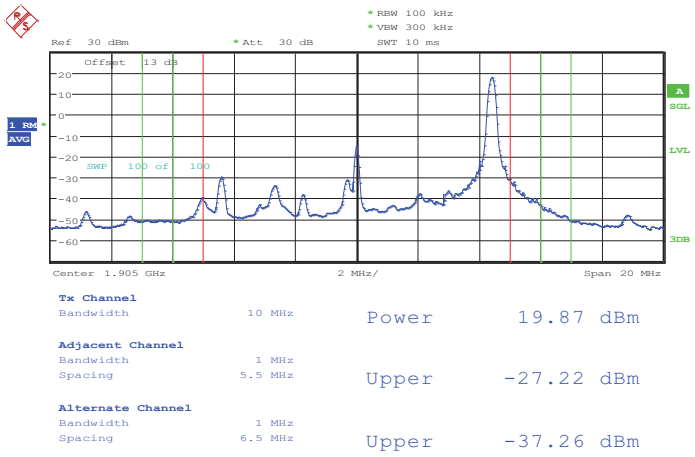
Date: 15.JUN.2013 05:25:56

Lower Band Edge Plot for QPSK-RB Size 50, RB Offset 0



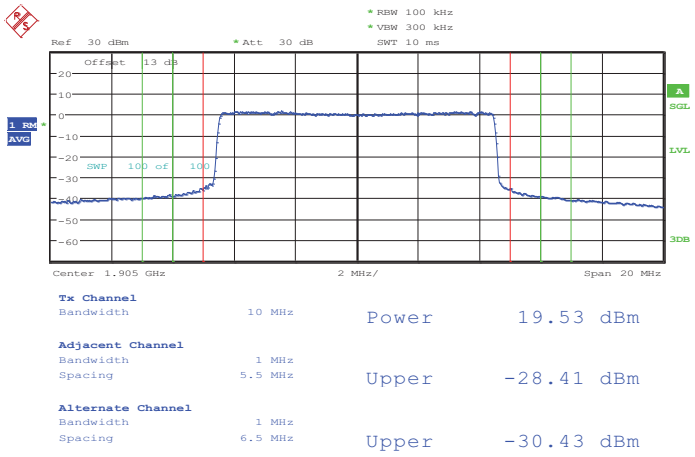
Date: 15.JUN.2013 05:26:09

Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 49



Date: 15.JUN.2013 05:24:16

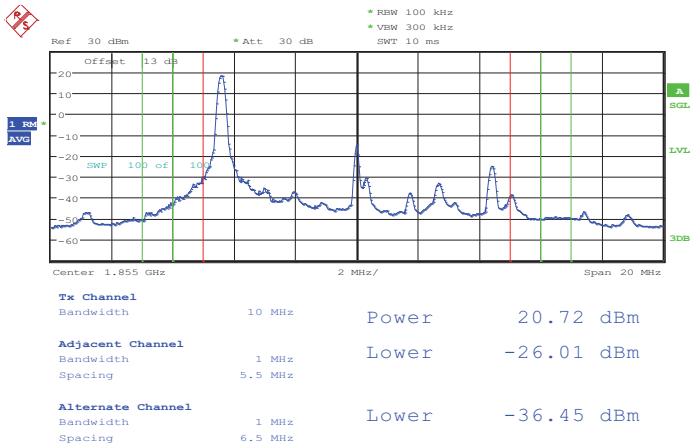
Higher Band Edge Plot for QPSK-RB Size 50, RB Offset 0



Date: 15.JUN.2013 05:24:01

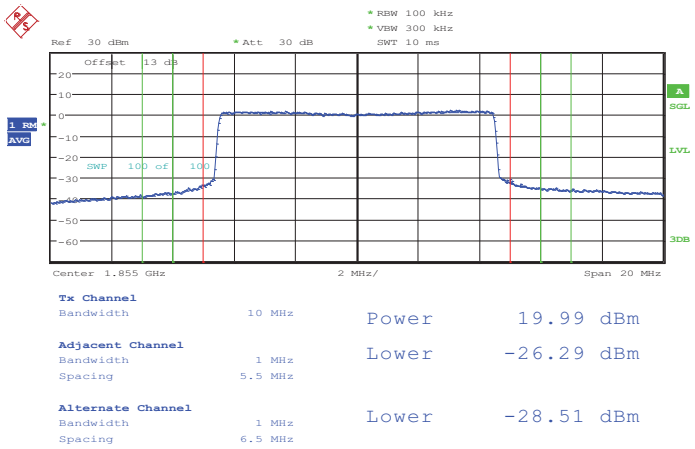
Band :	LTE Band 2	Band Width :	10MHz / 16QAM

Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



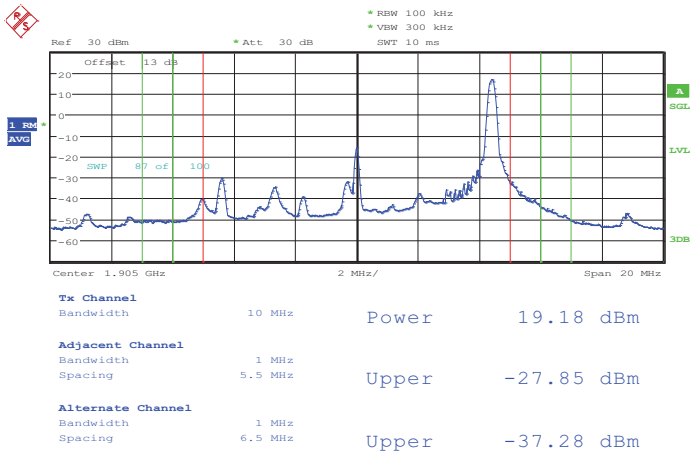
Date: 15.JUN.2013 05:25:45

Lower Band Edge Plot for 16QAM-RB Size 50, RB Offset 0



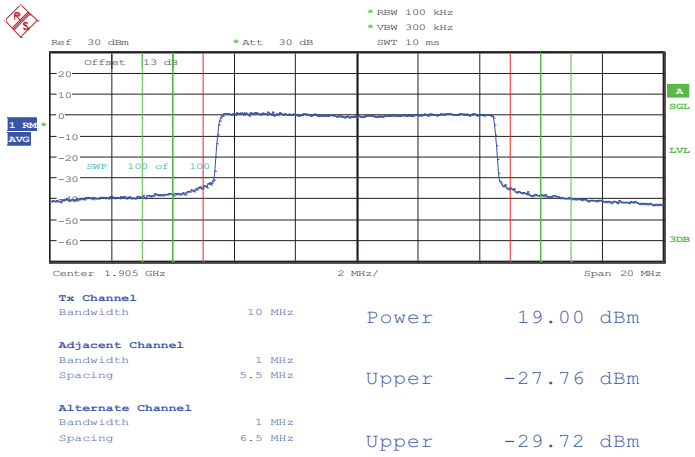
Date: 15.JUN.2013 05:25:33

Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 49



Date: 15.JUN.2013 05:24:32

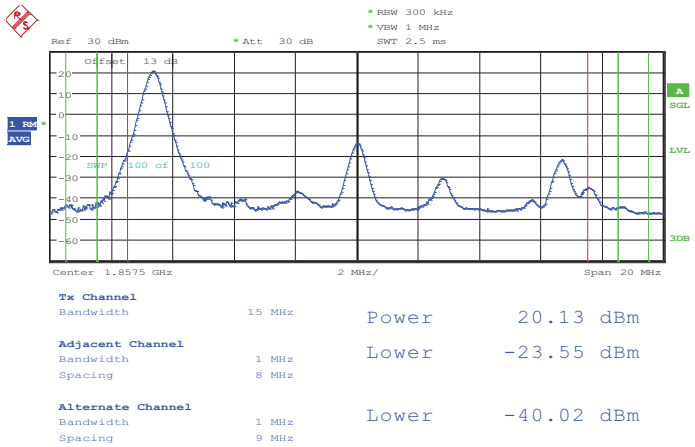
Higher Band Edge Plot for 16QAM-RB Size 50, RB Offset 0



Date: 15.JUN.2013 05:25:07

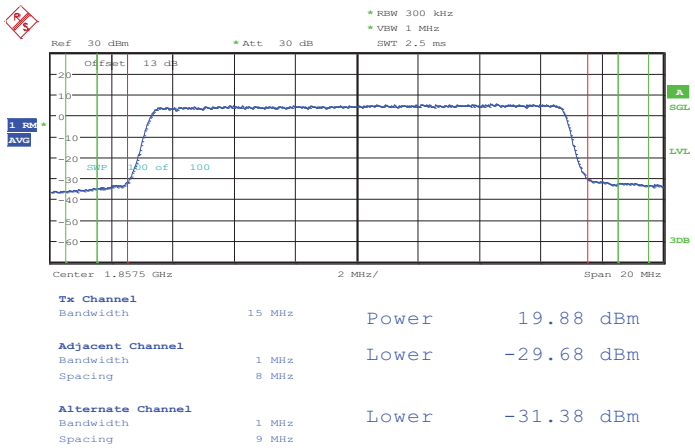
Band :	LTE Band 2	Band Width :	15MHz / QPSK

Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



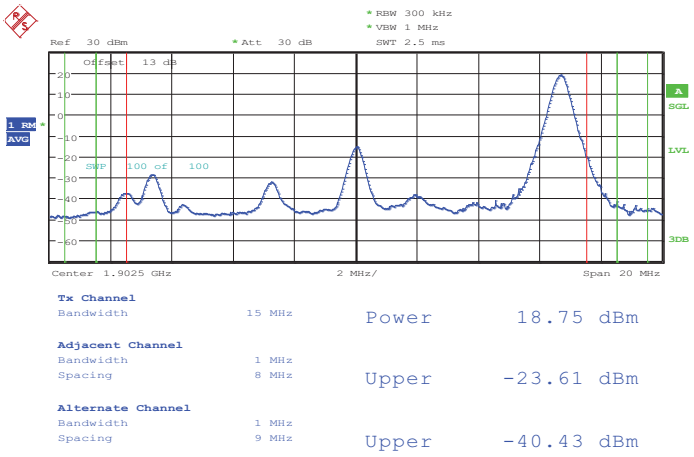
Date: 15.JUN.2013 05:17:23

Lower Band Edge Plot for QPSK-RB Size 75, RB Offset 0



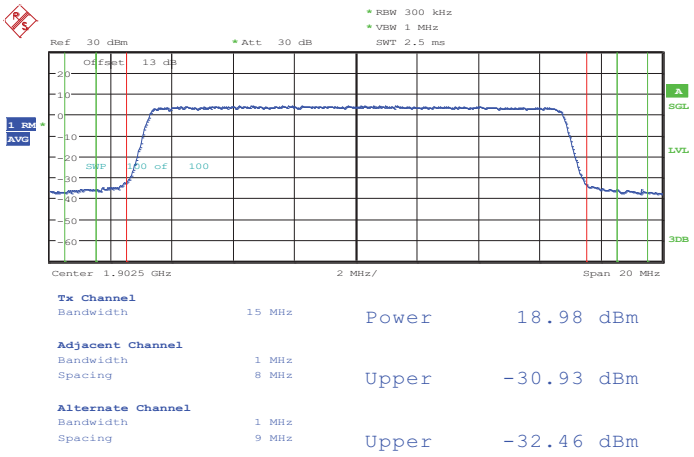
Date: 15.JUN.2013 05:17:03

Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 74



Date: 15.JUN.2013 05:19:09

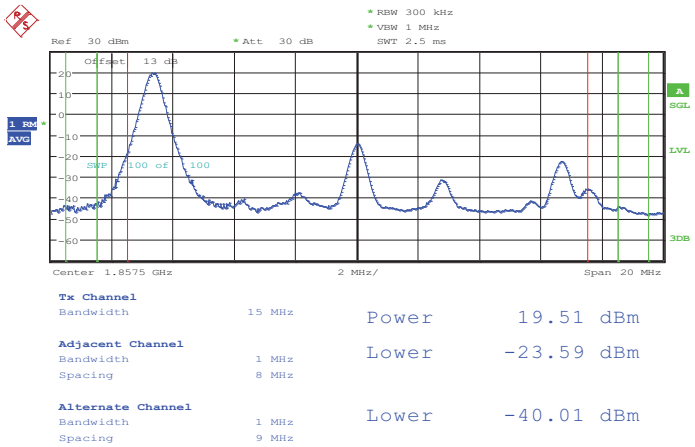
Higher Band Edge Plot for QPSK-RB Size 75, RB Offset 0



Date: 15.JUN.2013 05:19:25

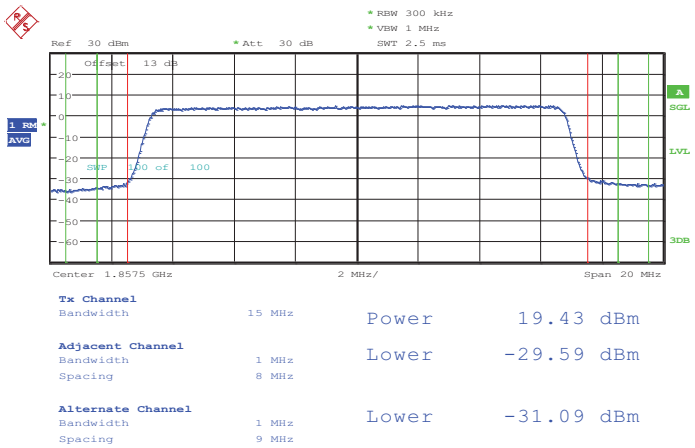
Band :	LTE Band 2	Band Width :	15MHz / 16QAM

Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



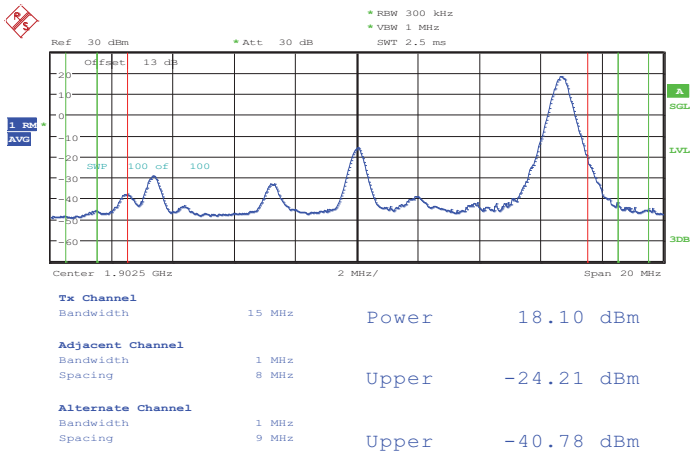
Date: 15.JUN.2013 05:17:39

Lower Band Edge Plot for 16QAM-RB Size 75, RB Offset 0



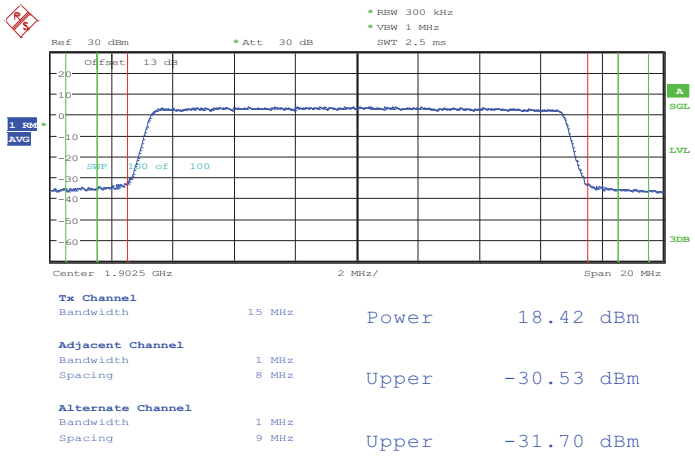
Date: 15.JUN.2013 05:17:53

Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 74



Date: 15.JUN.2013 05:18:49

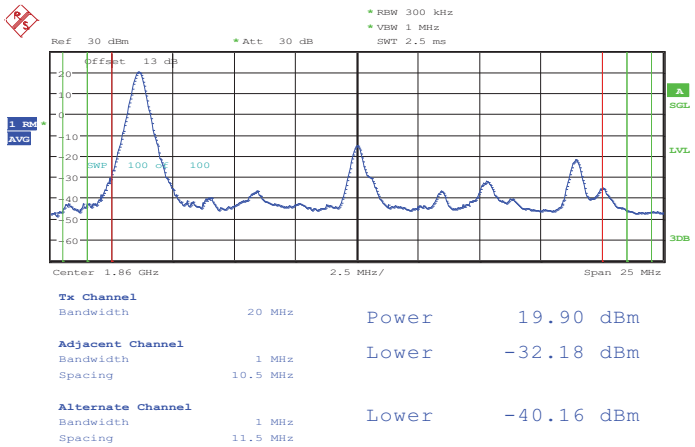
Higher Band Edge Plot for 16QAM-RB Size 75, RB Offset 0



Date: 15.JUN.2013 05:18:36

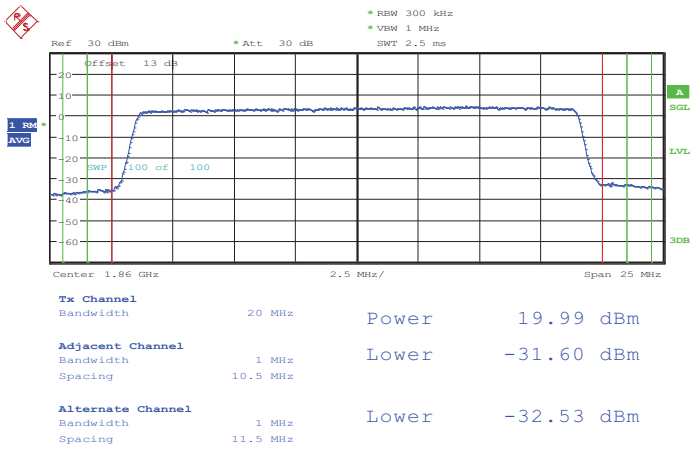
Band :	LTE Band 2	Band Width :	20MHz / QPSK

Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



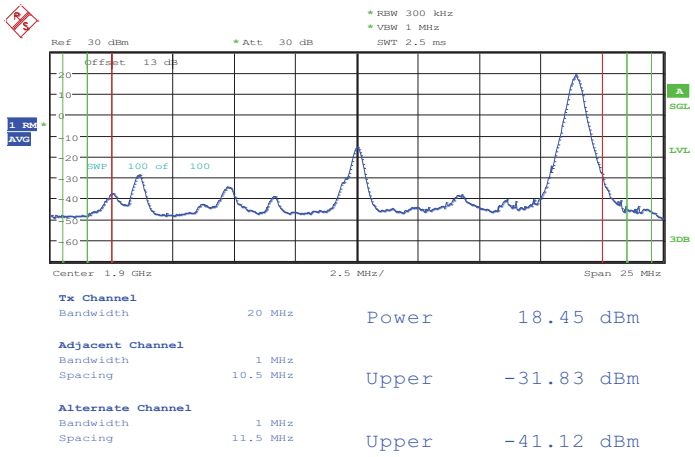
Date: 15.JUN.2013 05:11:42

Lower Band Edge Plot for QPSK-RB Size 100, RB Offset 0



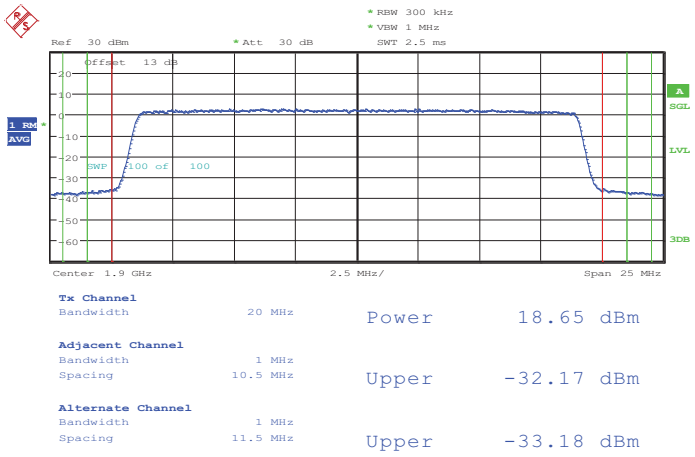
Date: 15.JUN.2013 05:11:27

Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 99



Date: 15.JUN.2013 05:10:08

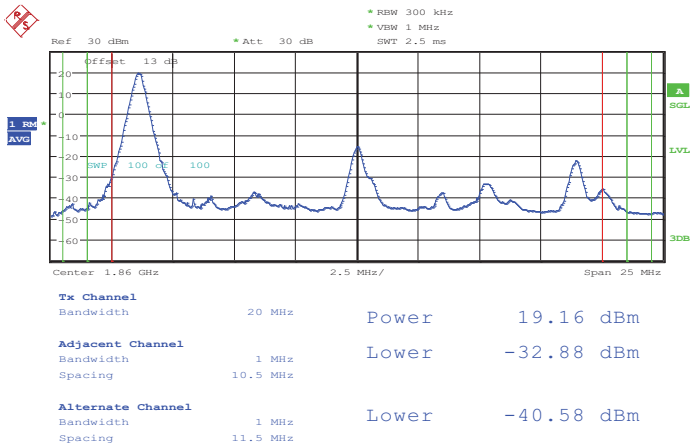
Higher Band Edge Plot for QPSK-RB Size 100, RB Offset 0



Date: 15.JUN.2013 05:10:19

Band :	LTE Band 2	Band Width :	20MHz / 16QAM

Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0

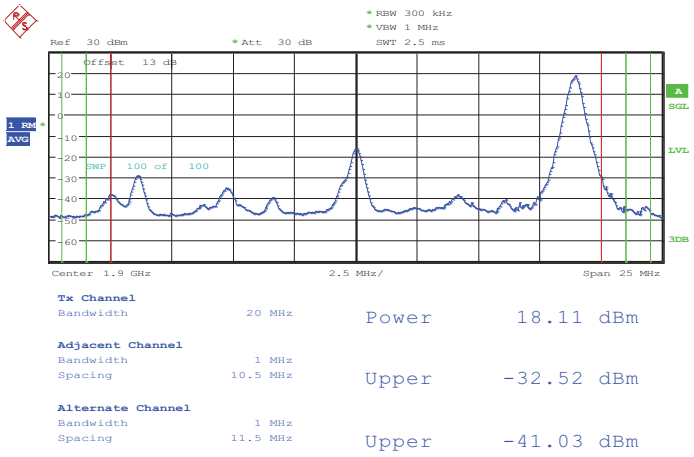


Date: 15.JUN.2013 05:11:57

Lower Band Edge Plot for 16QAM-RB Size 100, RB Offset 0

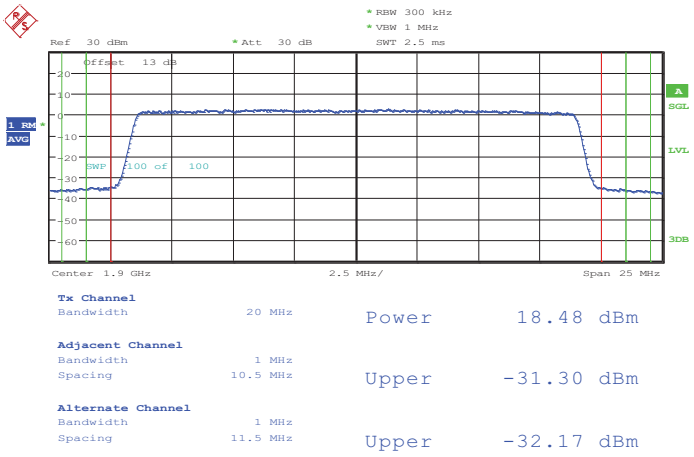
Date: 15.JUN.2013 05:12:14

Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 99



Date: 15.JUN.2013 05:10:49

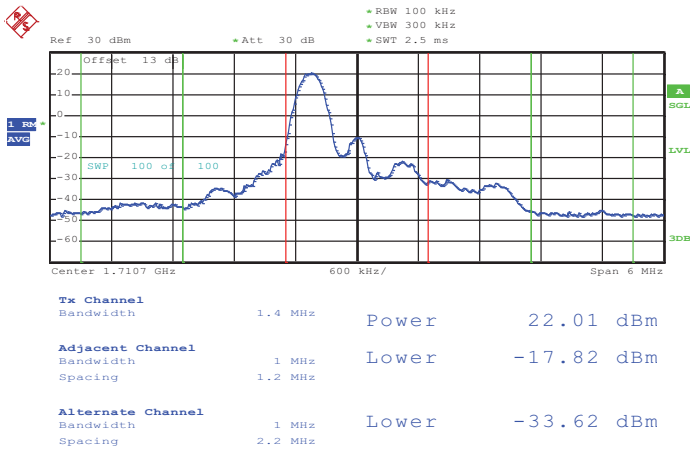
Higher Band Edge Plot for 16QAM-RB Size 100, RB Offset 0



Date: 15.JUN.2013 05:10:30

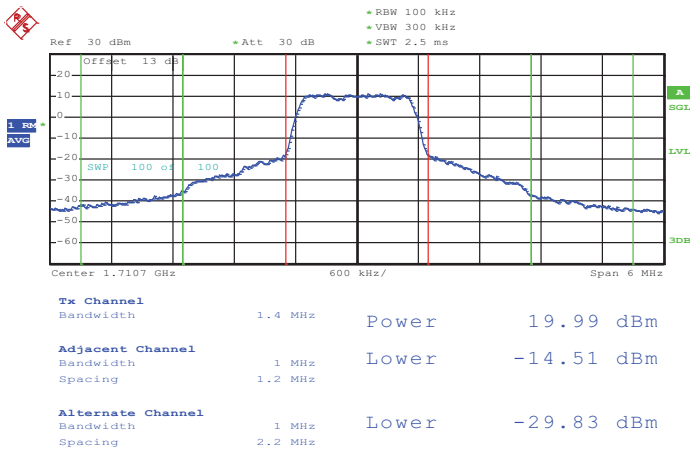
Band :	LTE Band 4	Band Width :	1.4MHz / QPSK

Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



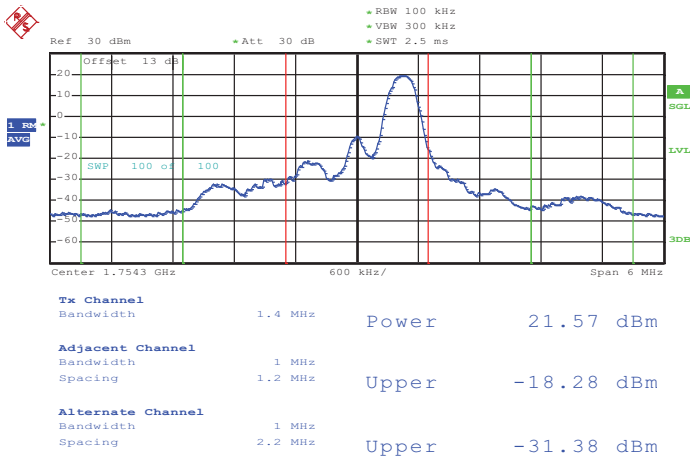
Date: 25.JUN.2013 11:19:41

Lower Band Edge Plot for QPSK-RB Size 6, RB Offset 0



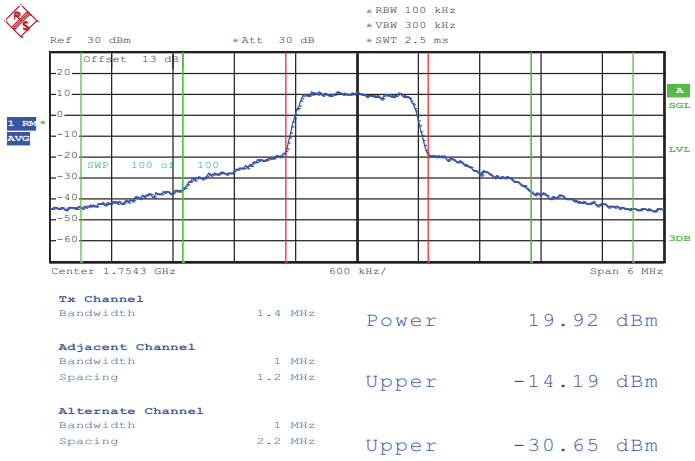
Date: 25.JUN.2013 11:20:43

Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 5



Date: 25.JUN.2013 11:18:54

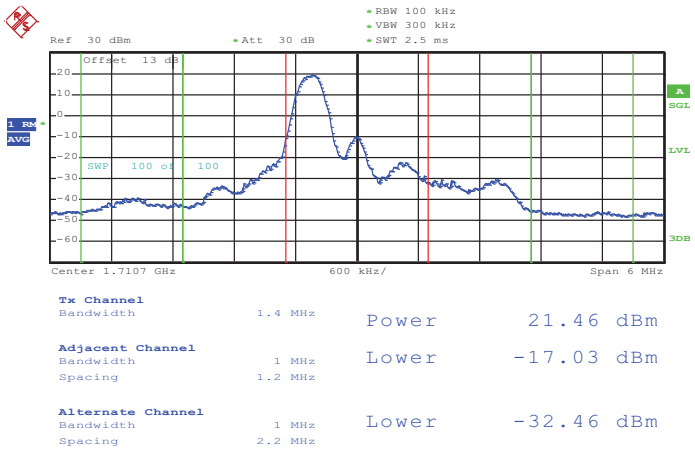
Higher Band Edge Plot for QPSK-RB Size 6, RB Offset 0



Date: 25.JUN.2013 11:11:04

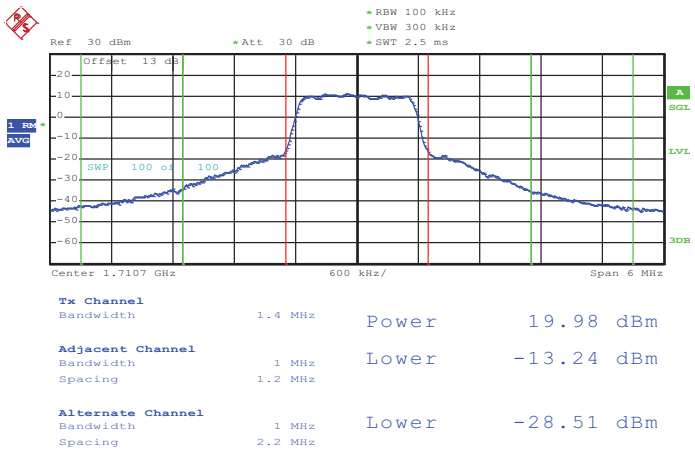
Band :	LTE Band 4	Band Width :	1.4MHz / 16QAM

Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



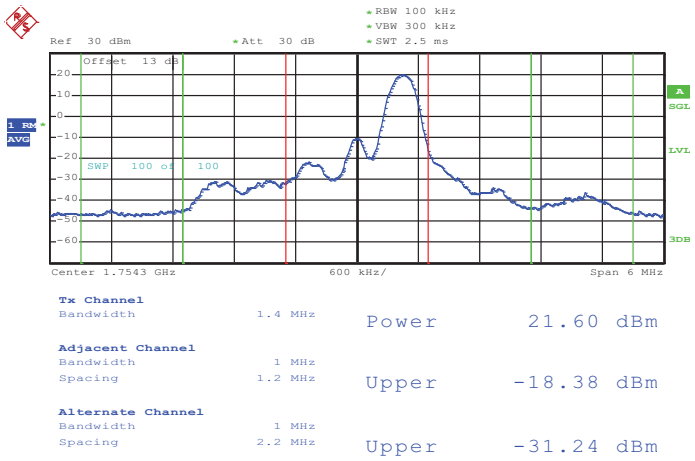
Date: 25.JUN.2013 11:19:58

Lower Band Edge Plot for 16QAM-RB Size 6, RB Offset 0



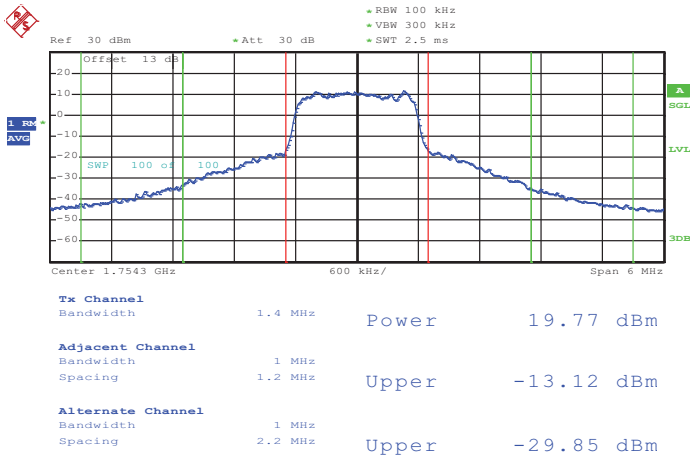
Date: 25.JUN.2013 11:20:26

Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 5



Date: 25.JUN.2013 11:19:07

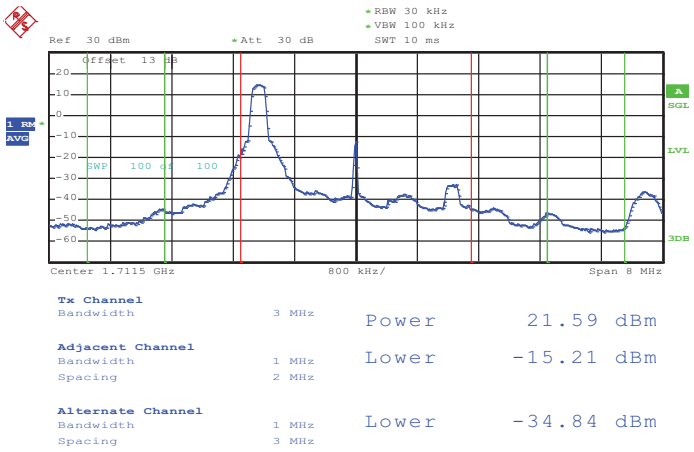
Higher Band Edge Plot for 16QAM-RB Size 6, RB Offset 0



Date: 25.JUN.2013 11:12:08

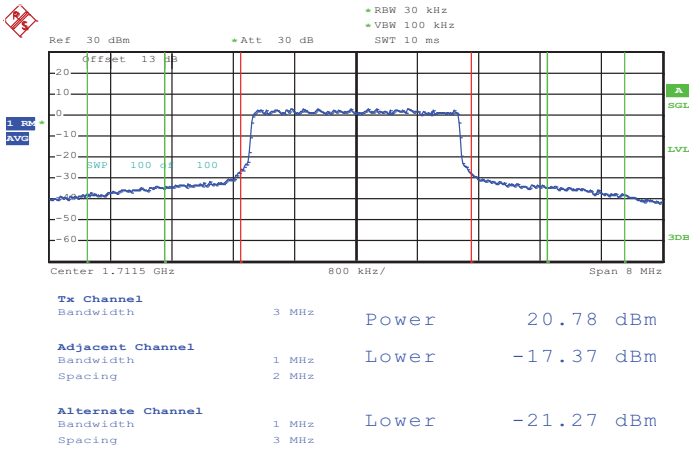
Band :	LTE Band 4	Band Width :	3MHz / QPSK

Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



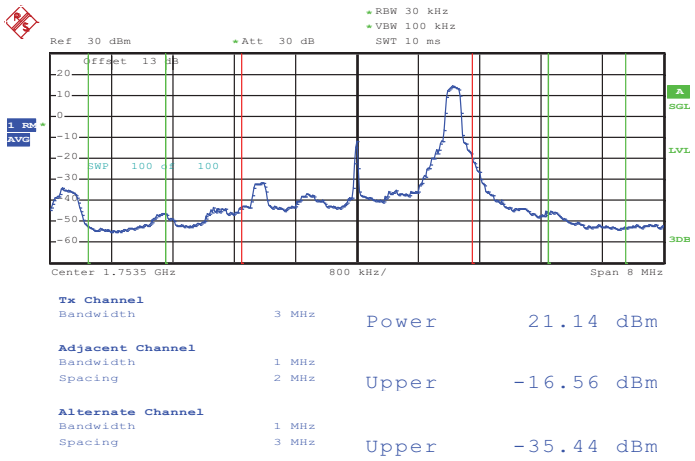
Date: 25.JUN.2013 11:24:20

Lower Band Edge Plot for QPSK-RB Size 15, RB Offset 0



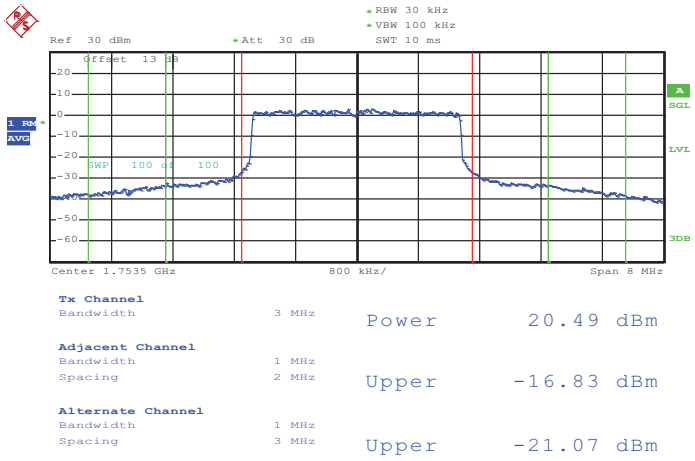
Date: 25.JUN.2013 11:23:12

Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 14



Date: 25.JUN.2013 11:24:52

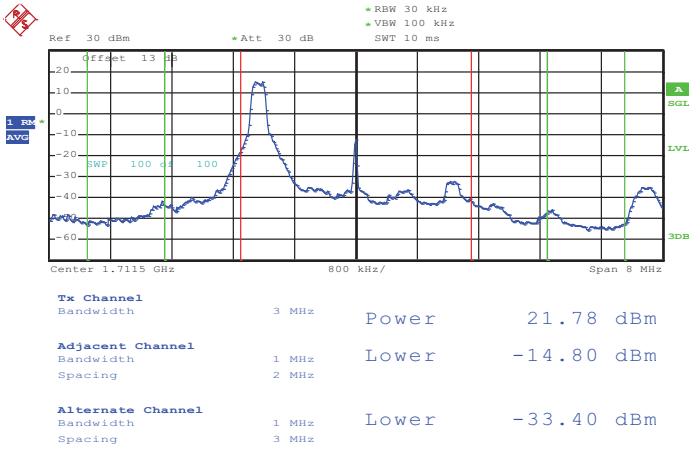
Higher Band Edge Plot for QPSK-RB Size 15, RB Offset 0



Date: 25.JUN.2013 11:26:04

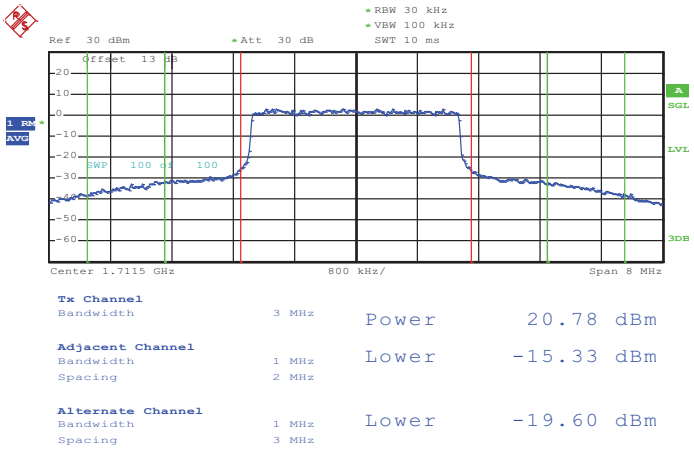
Band :	LTE Band 4	Band Width :	3MHz / 16QAM

Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



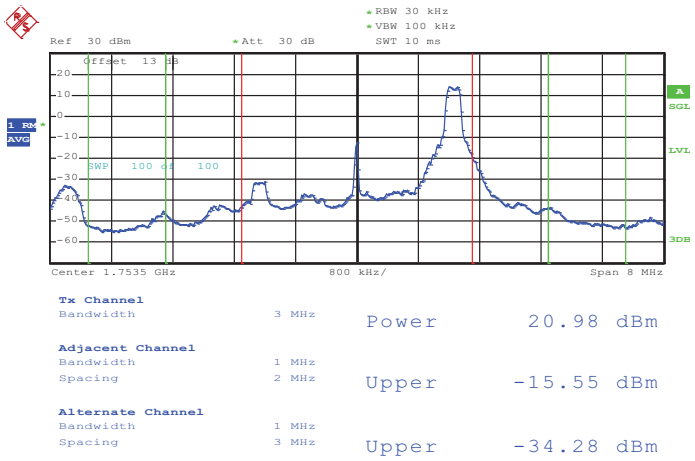
Date: 25.JUN.2013 11:24:04

Lower Band Edge Plot for 16QAM-RB Size 15, RB Offset 0



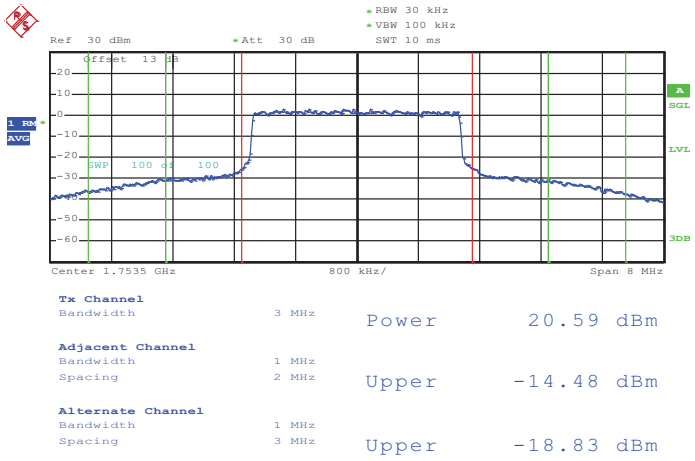
Date: 25.JUN.2013 11:23:41

Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 14



Date: 25.JUN.2013 11:25:06

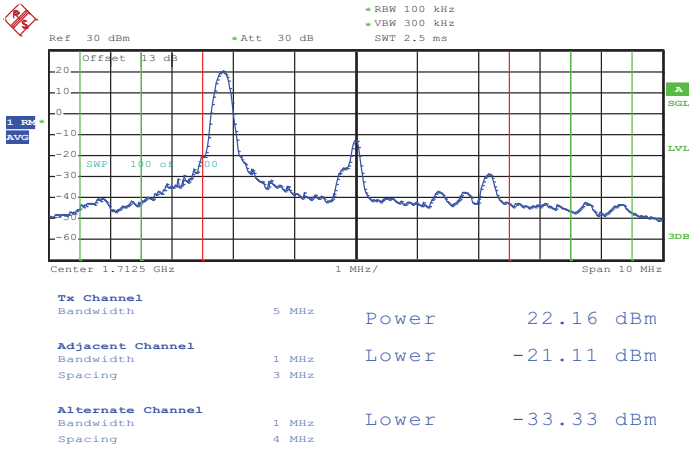
Higher Band Edge Plot for 16QAM-RB Size 15, RB Offset 0



Date: 25.JUN.2013 11:25:50

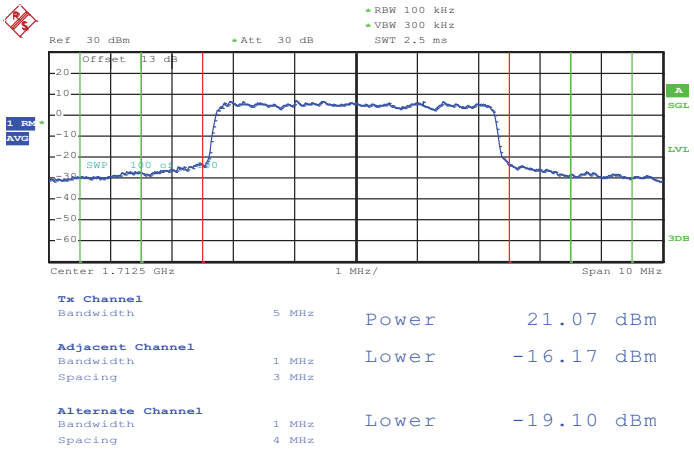
Band :	LTE Band 4	Band Width :	5MHz / QPSK

Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



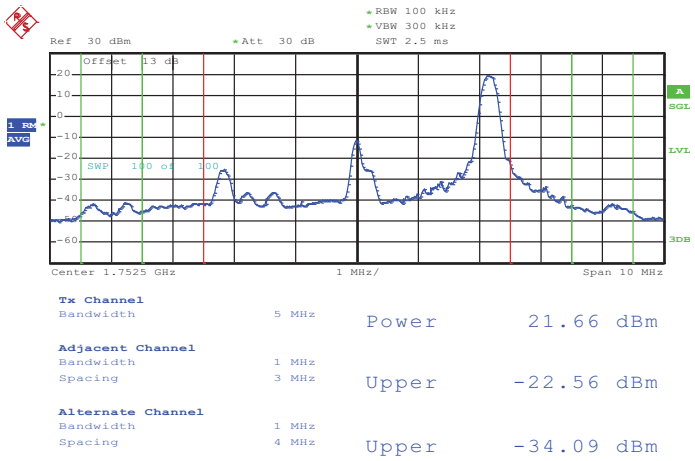
Date: 25.JUN.2013 13:53:03

Lower Band Edge Plot for QPSK-RB Size 25, RB Offset 0



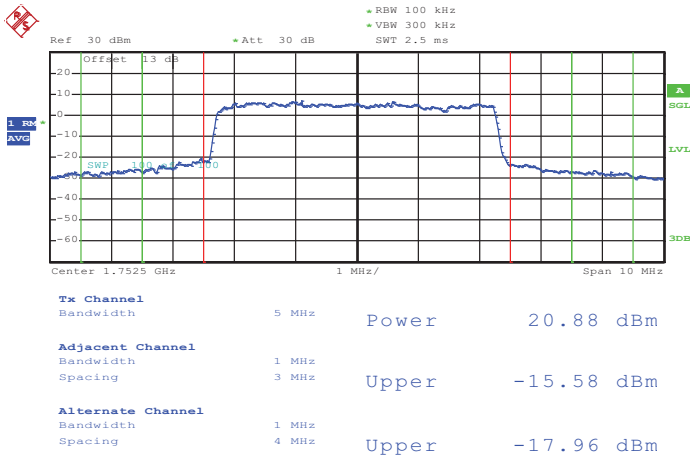
Date: 25.JUN.2013 13:51:54

Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 24



Date: 25.JUN.2013 13:53:44

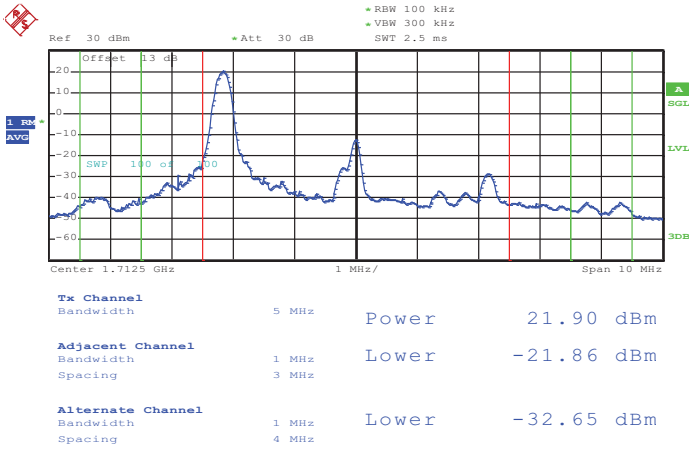
Higher Band Edge Plot for QPSK-RB Size 25, RB Offset 0



Date: 25.JUN.2013 13:54:51

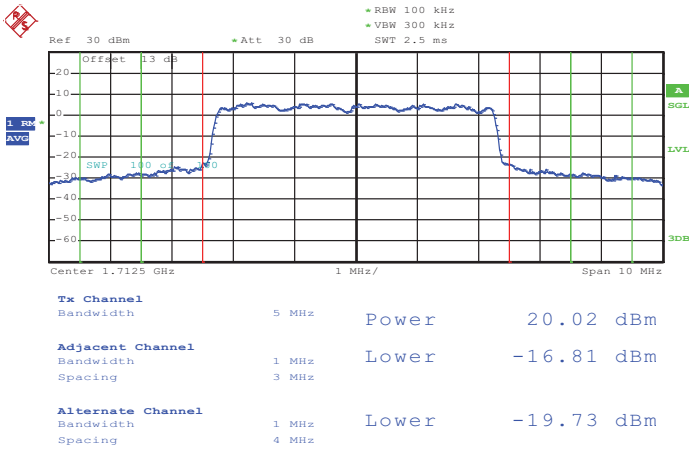
Band :	LTE Band 4	Band Width :	5MHz / 16QAM

Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



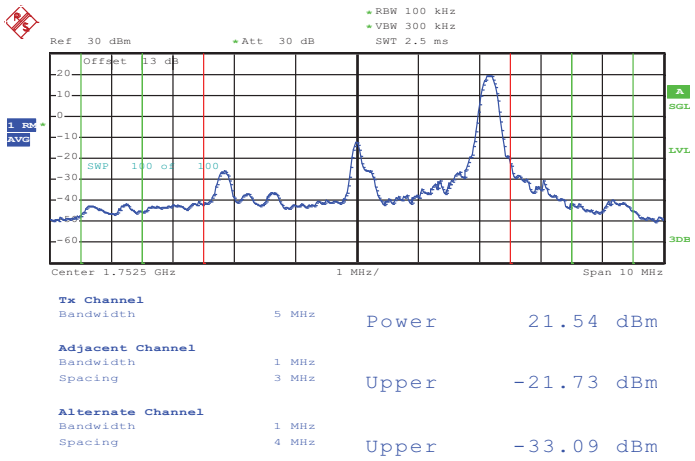
Date: 25.JUN.2013 13:52:39

Lower Band Edge Plot for 16QAM-RB Size 25, RB Offset 0



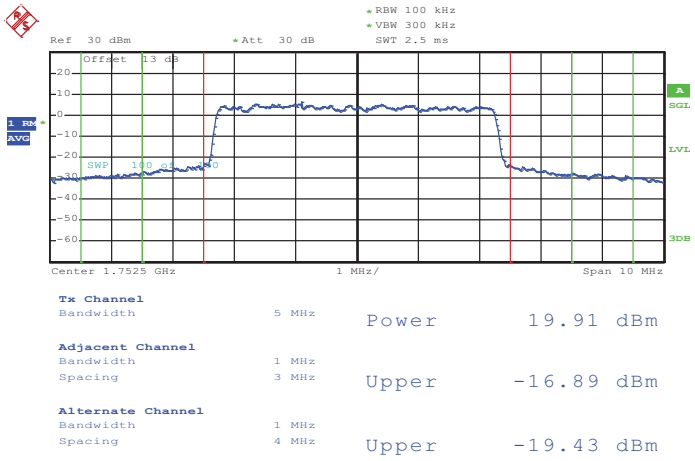
Date: 25.JUN.2013 13:52:13

Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 24



Date: 25.JUN.2013 13:54:01

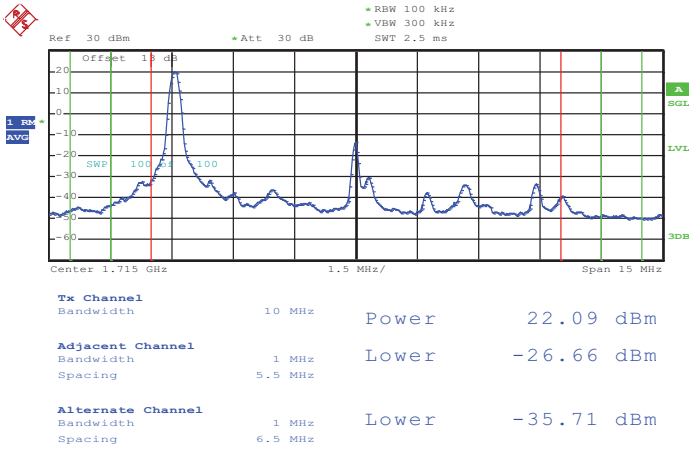
Higher Band Edge Plot for 16QAM-RB Size 25, RB Offset 0



Date: 25.JUN.2013 13:54:30

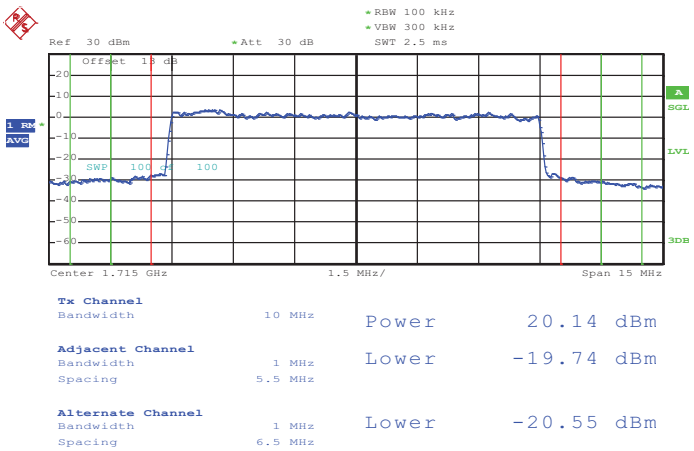
Band :	LTE Band 4	Band Width :	10MHz / QPSK

Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



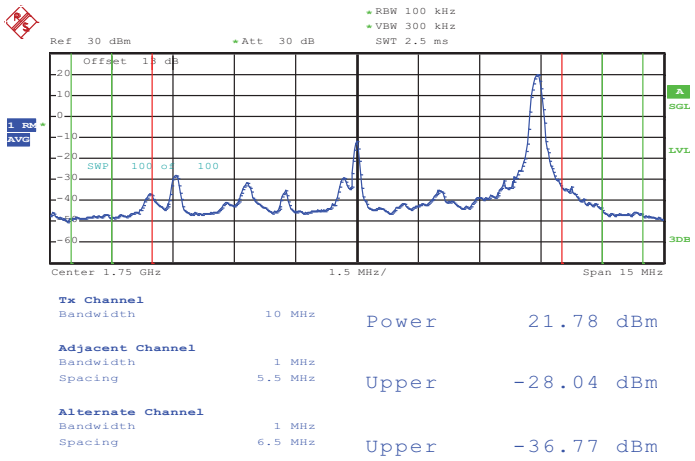
Date: 25.JUN.2013 13:58:38

Lower Band Edge Plot for QPSK-RB Size 50, RB Offset 0



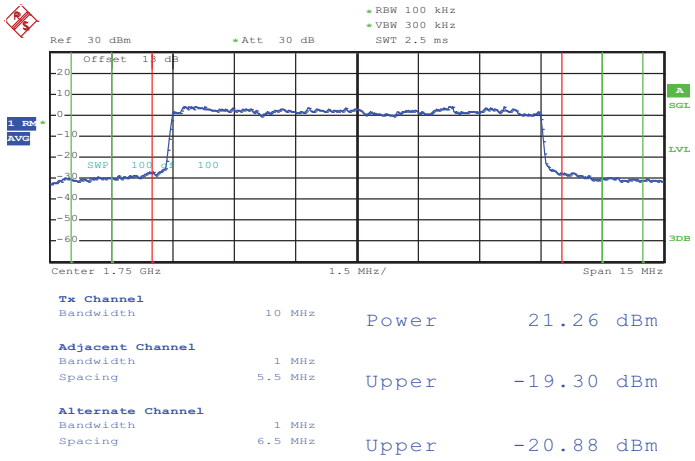
Date: 25.JUN.2013 13:59:30

Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 49



Date: 25.JUN.2013 13:58:08

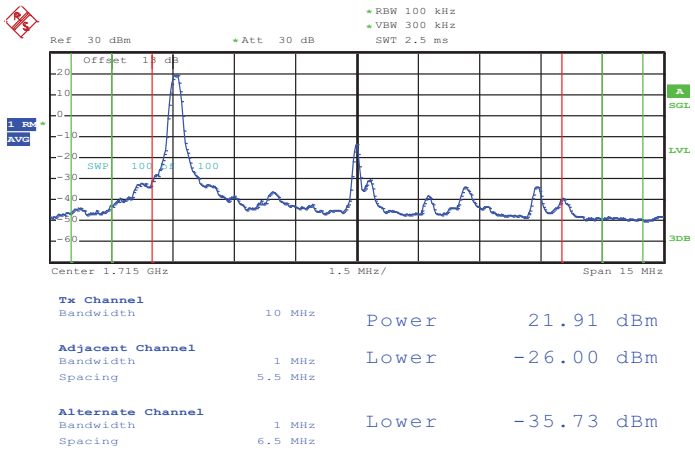
Higher Band Edge Plot for QPSK-RB Size 50, RB Offset 0



Date: 25.JUN.2013 13:57:12

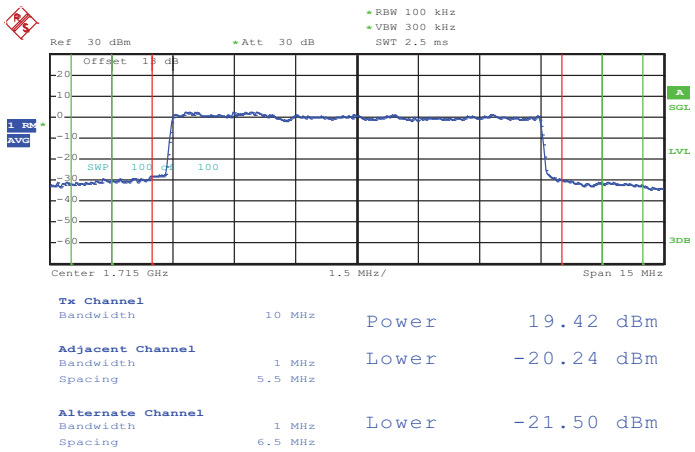
Band :	LTE Band 4	Band Width :	10MHz / 16QAM

Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



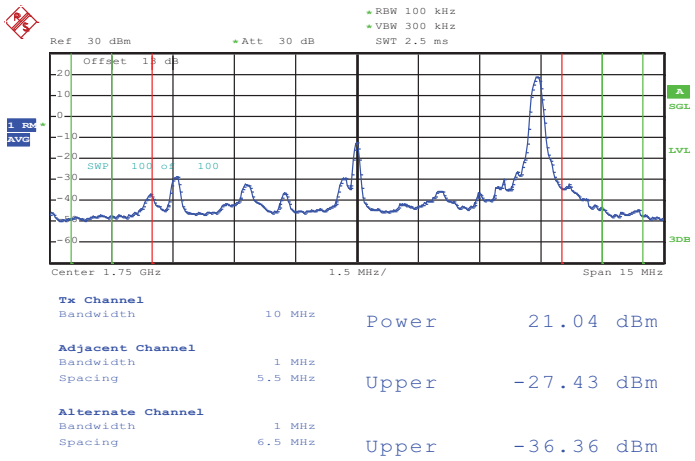
Date: 25.JUN.2013 13:58:56

Lower Band Edge Plot for 16QAM-RB Size 50, RB Offset 0



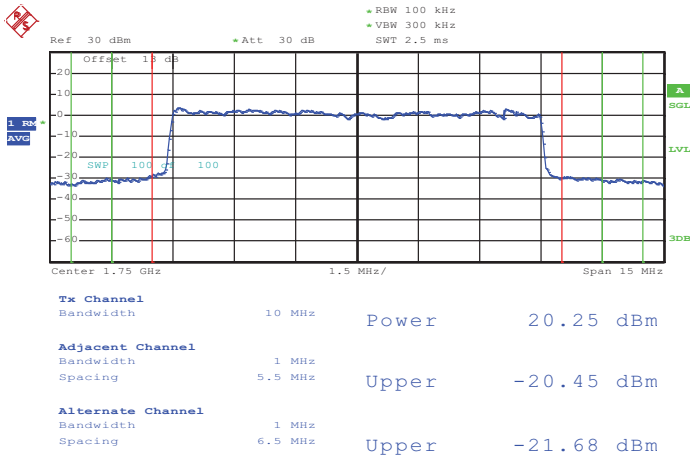
Date: 25.JUN.2013 13:59:14

Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 49



Date: 25.JUN.2013 13:57:54

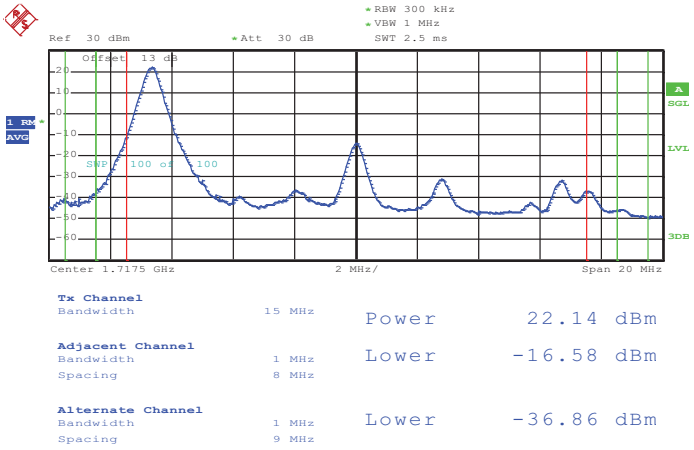
Higher Band Edge Plot for 16QAM-RB Size 50, RB Offset 0



Date: 25.JUN.2013 13:57:29

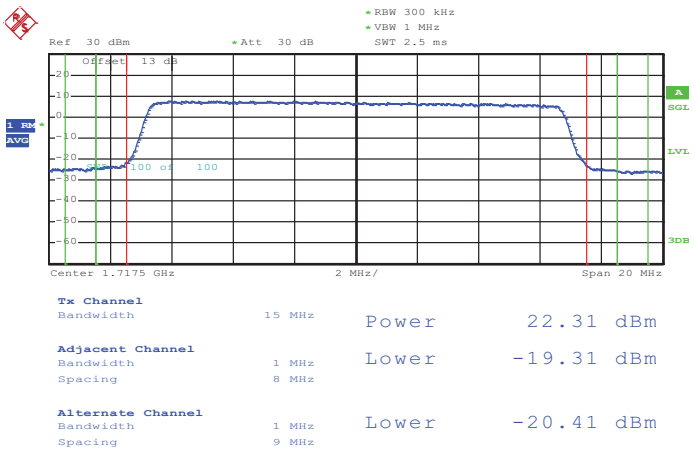
Band :	LTE Band 4	Band Width :	15MHz / QPSK

Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



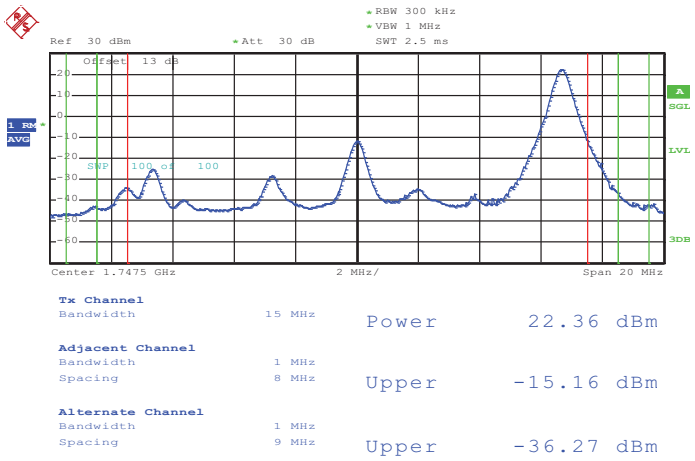
Date: 25.JUN.2013 14:02:24

Lower Band Edge Plot for QPSK-RB Size 75, RB Offset 0



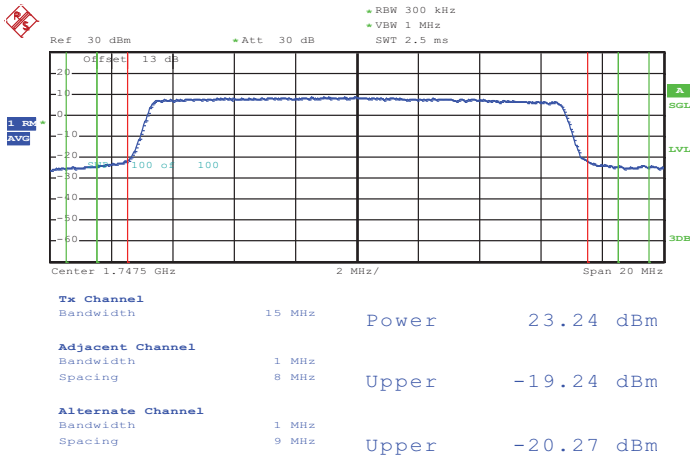
Date: 25.JUN.2013 14:01:37

Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 74



Date: 25.JUN.2013 14:03:44

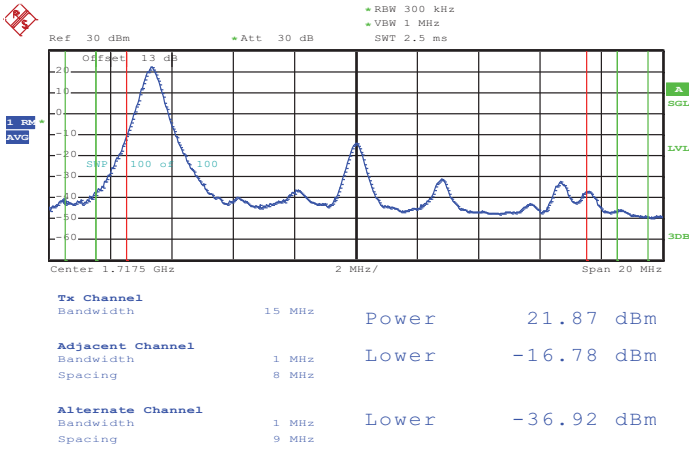
Higher Band Edge Plot for QPSK-RB Size 75, RB Offset 0



Date: 25.JUN.2013 14:05:04

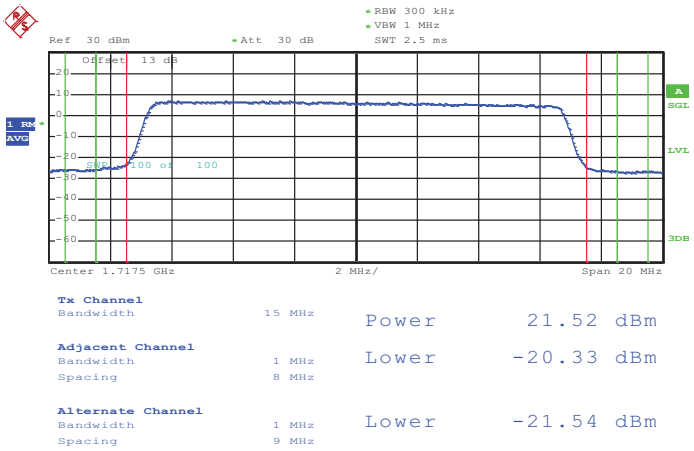
Band :	LTE Band 4	Band Width :	15MHz / 16QAM

Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



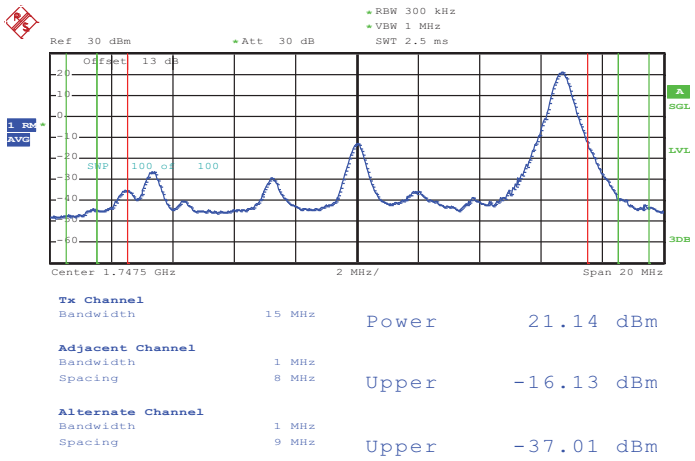
Date: 25.JUN.2013 14:02:09

Lower Band Edge Plot for 16QAM-RB Size 75, RB Offset 0



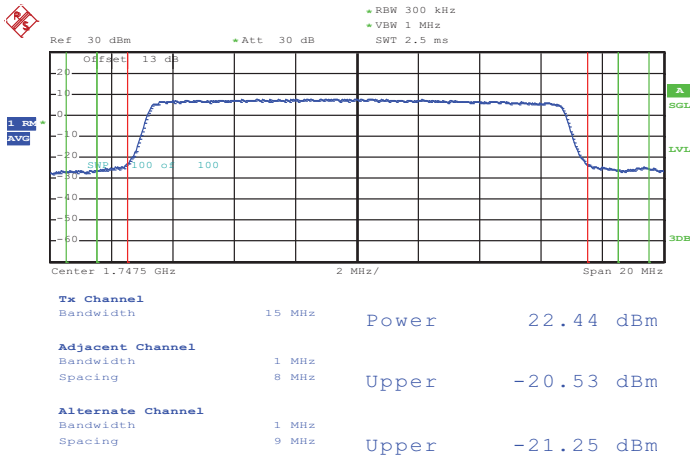
Date: 25.JUN.2013 14:01:53

Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 74



Date: 25.JUN.2013 14:04:03

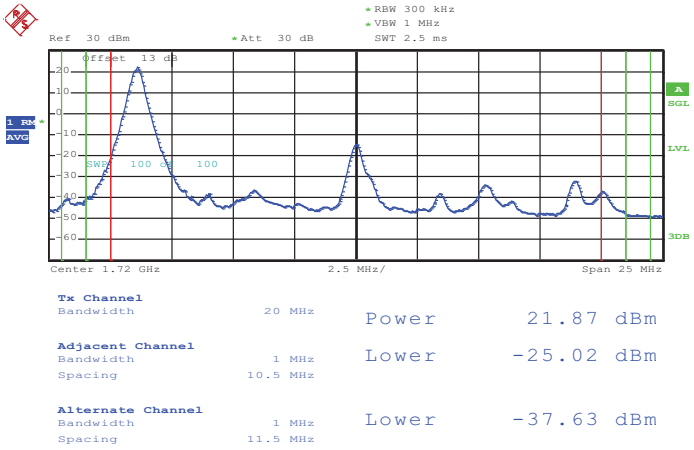
Higher Band Edge Plot for 16QAM-RB Size 75, RB Offset 0



Date: 25.JUN.2013 14:04:49

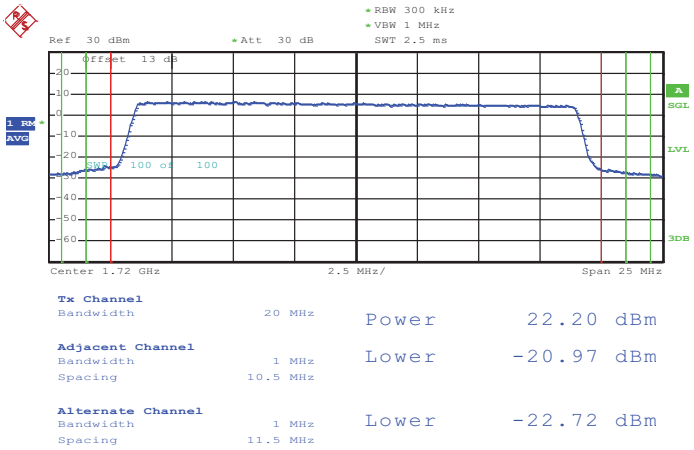
Band :	LTE Band 4	Band Width :	20MHz / QPSK

Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



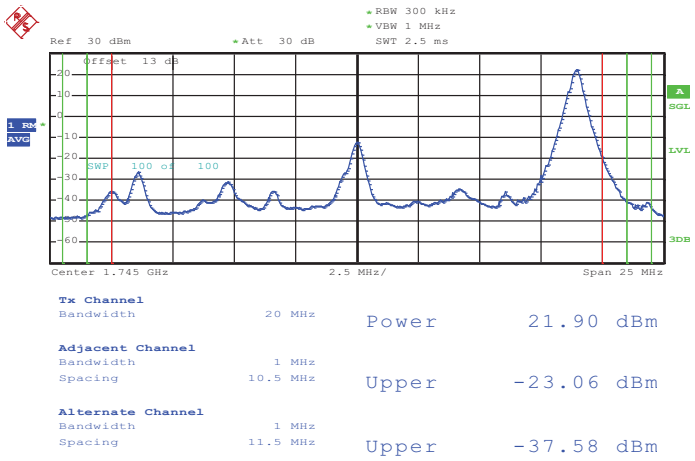
Date: 25.JUN.2013 14:09:08

Lower Band Edge Plot for QPSK-RB Size 100, RB Offset 0



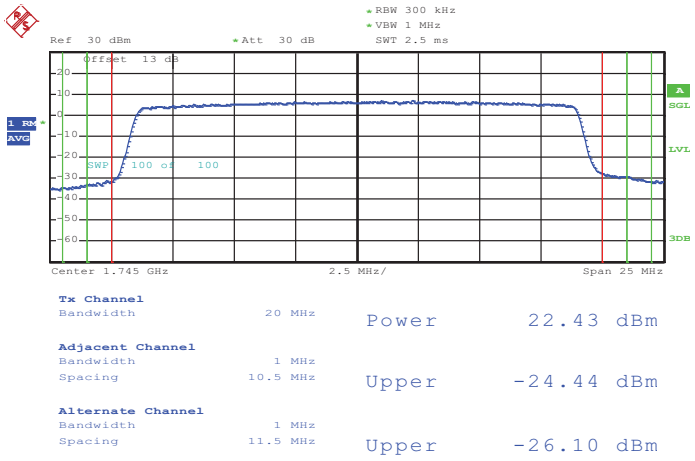
Date: 25.JUN.2013 14:09:59

Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 99



Date: 25.JUN.2013 14:08:40

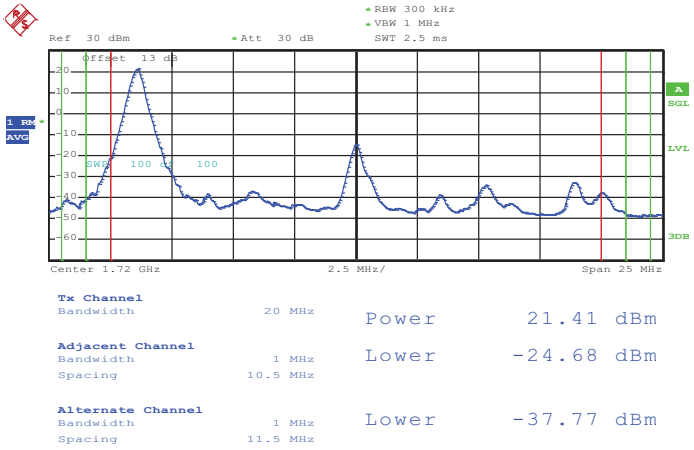
Higher Band Edge Plot for QPSK-RB Size 100, RB Offset 0



Date: 25.JUN.2013 14:07:41

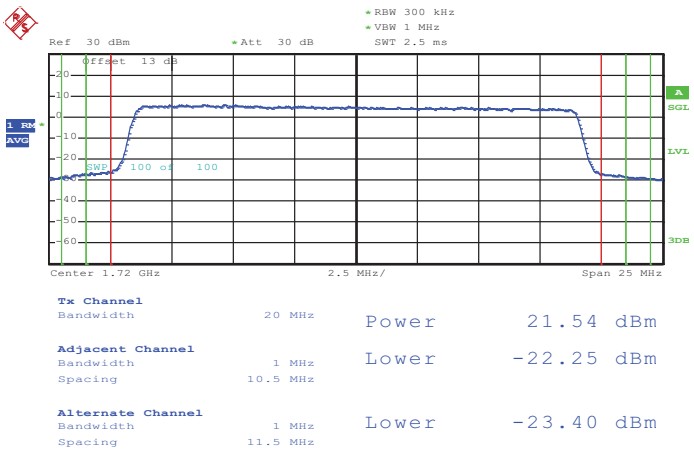
Band :	LTE Band 4	Band Width :	20MHz / 16QAM

Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



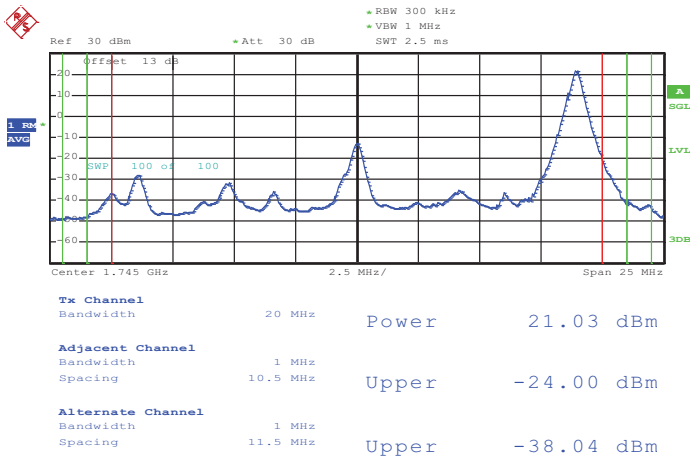
Date: 25.JUN.2013 14:09:28

Lower Band Edge Plot for 16QAM-RB Size 100, RB Offset 0



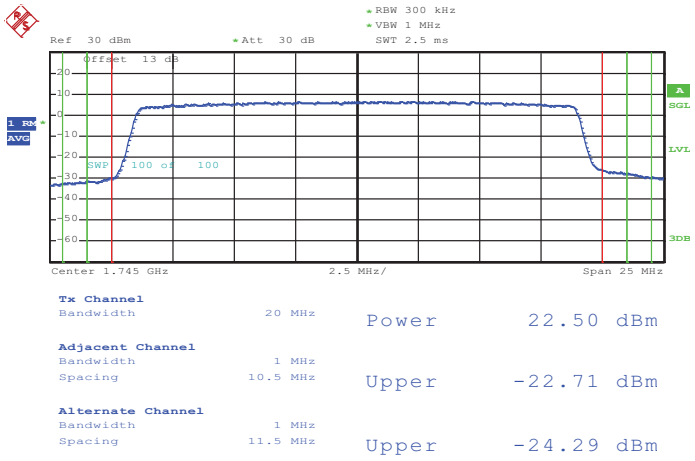
Date: 25.JUN.2013 14:09:46

Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 99



Date: 25.JUN.2013 14:08:27

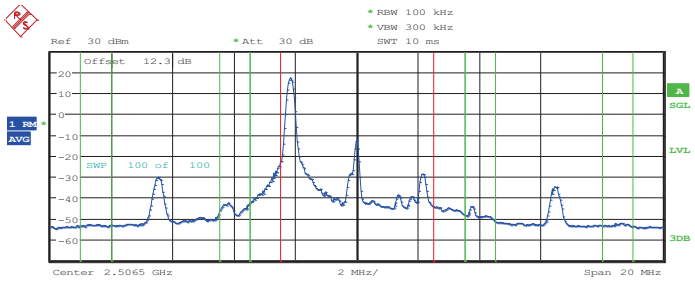
Higher Band Edge Plot for 16QAM-RB Size 100, RB Offset 0



Date: 25.JUN.2013 14:07:58

Band :	LTE Band 7	Band Width :	5MHz / QPSK

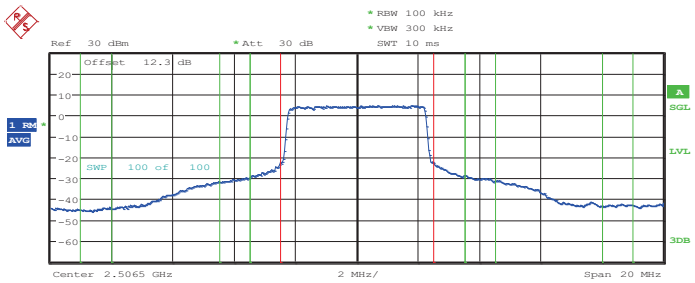
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Tx Channel				
Bandwidth	5 MHz	Power	19.16 dBm	
Adjacent Channel				
Bandwidth	1 MHz	Lower	-21.73 dBm	Limit =-13dBm
Spacing	3 MHz			
Alternate Channel				
Bandwidth	1 MHz	Lower	-35.20 dBm	Limit =-13dBm
Spacing	4 MHz			
2nd Alternate Channel				
Bandwidth	1 MHz	Lower	-43.66 dBm	Limit =-25dBm
Spacing	8.5 MHz			

Date: 19.JUN.2013 09:17:41

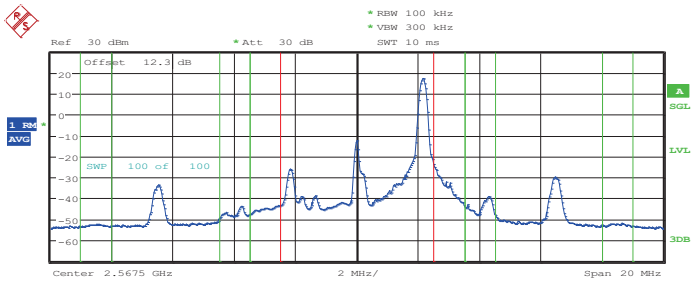
Lower Band Edge Plot for QPSK-RB Size 25, RB Offset 0



Tx Channel				
Bandwidth	5 MHz	Power	20.07 dBm	
Adjacent Channel				
Bandwidth	1 MHz	Lower	-17.33 dBm	Limit =-13dBm
Spacing	3 MHz			
Alternate Channel				
Bandwidth	1 MHz	Lower	-21.40 dBm	Limit =-13dBm
Spacing	4 MHz			
2nd Alternate Channel				
Bandwidth	1 MHz	Lower	-35.48 dBm	Limit =-25dBm
Spacing	8.5 MHz			

Date: 19.JUN.2013 09:11:17

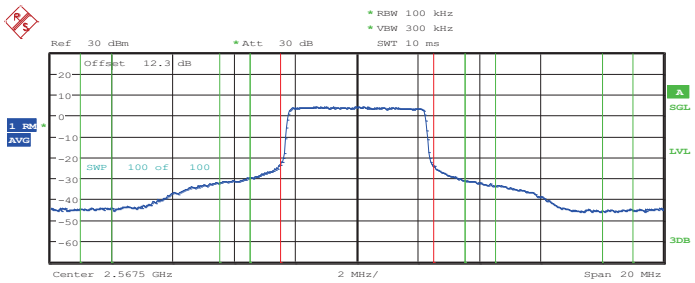
Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 24



Tx Channel				
Bandwidth	5 MHz	Power	19.24 dBm	
Adjacent Channel				
Bandwidth	1 MHz			
Spacing	3 MHz	Upper	-21.45 dBm	Limit =-13dBm
Alternate Channel				
Bandwidth	1 MHz			
Spacing	4 MHz	Upper	-33.41 dBm	Limit =-13dBm
2nd Alternate Channel				
Bandwidth	1 MHz			
Spacing	8.5 MHz	Upper	-42.99 dBm	Limit =-25dBm

Date: 19.JUN.2013 09:18:46

Higher Band Edge Plot for QPSK-RB Size 25, RB Offset 0

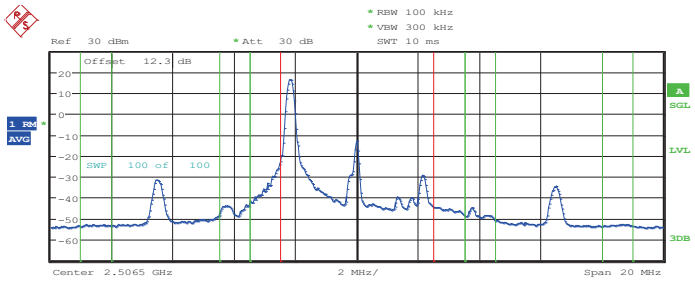


Tx Channel				
Bandwidth	5 MHz	Power	19.55 dBm	
Adjacent Channel				
Bandwidth	1 MHz			
Spacing	3 MHz	Upper	-18.31 dBm	Limit =-13dBm
Alternate Channel				
Bandwidth	1 MHz			
Spacing	4 MHz	Upper	-22.76 dBm	Limit =-13dBm
2nd Alternate Channel				
Bandwidth	1 MHz			
Spacing	8.5 MHz	Upper	-35.81 dBm	Limit =-25dBm

Date: 19.JUN.2013 09:19:41

Band :	LTE Band 7	Band Width :	5MHz / 16QAM

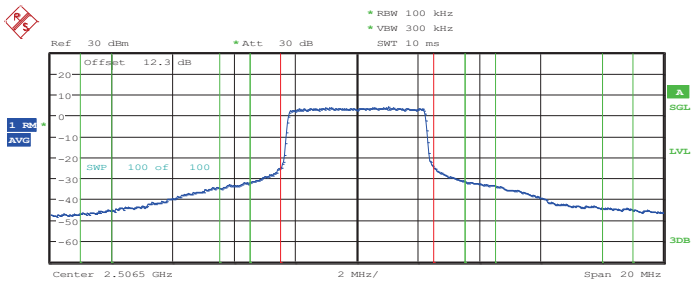
Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



Tx Channel				
Bandwidth	5 MHz	Power	18.67 dBm	
Adjacent Channel				
Bandwidth	1 MHz	Lower	-21.83 dBm	Limit =-13dBm
Spacing	3 MHz			
Alternate Channel				
Bandwidth	1 MHz	Lower	-35.72 dBm	Limit =-13dBm
Spacing	4 MHz			
2nd Alternate Channel				
Bandwidth	1 MHz	Lower	-43.74 dBm	Limit =-25dBm
Spacing	8.5 MHz			

Date: 19.JUN.2013 09:17:27

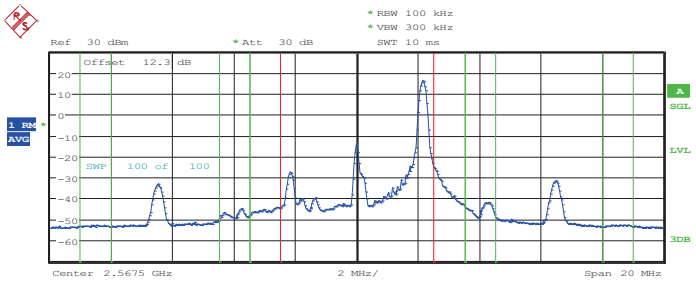
Lower Band Edge Plot for 16QAM-RB Size 25, RB Offset 0



Tx Channel				
Bandwidth	5 MHz	Power	19.02 dBm	
Adjacent Channel				
Bandwidth	1 MHz	Lower	-19.37 dBm	Limit =-13dBm
Spacing	3 MHz			
Alternate Channel				
Bandwidth	1 MHz	Lower	-23.90 dBm	Limit =-13dBm
Spacing	4 MHz			
2nd Alternate Channel				
Bandwidth	1 MHz	Lower	-36.78 dBm	Limit =-25dBm
Spacing	8.5 MHz			

Date: 19.JUN.2013 09:11:36

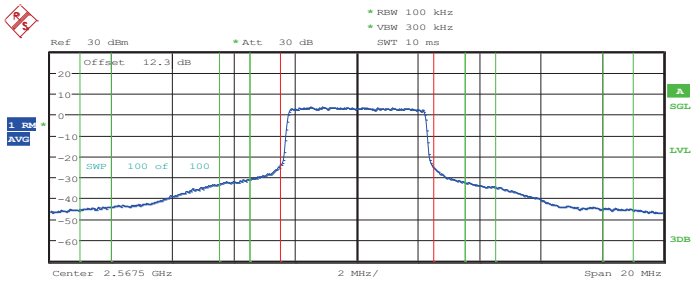
Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 24



Tx Channel				
Bandwidth	5 MHz	Power	18.32 dBm	
Adjacent Channel				
Bandwidth	1 MHz			
Spacing	3 MHz	Upper	-22.57 dBm	Limit =-13dBm
Alternate Channel				
Bandwidth	1 MHz			
Spacing	4 MHz	Upper	-34.95 dBm	Limit =-13dBm
2nd Alternate Channel				
Bandwidth	1 MHz			
Spacing	8.5 MHz	Upper	-43.44 dBm	Limit =-25dBm

Date: 19.JUN.2013 09:19:01

Higher Band Edge Plot for 16QAM-RB Size 25, RB Offset 0

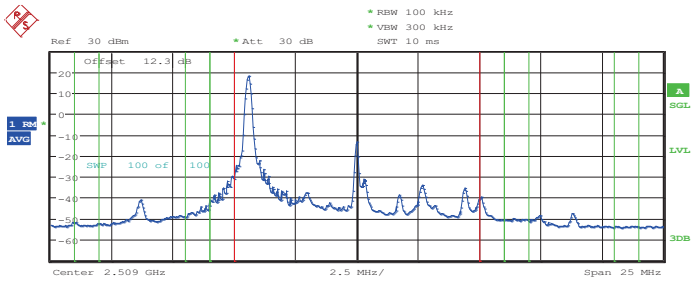


Tx Channel				
Bandwidth	5 MHz	Power	18.81 dBm	
Adjacent Channel				
Bandwidth	1 MHz			
Spacing	3 MHz	Upper	-19.87 dBm	Limit =-13dBm
Alternate Channel				
Bandwidth	1 MHz			
Spacing	4 MHz	Upper	-24.27 dBm	Limit =-13dBm
2nd Alternate Channel				
Bandwidth	1 MHz			
Spacing	8.5 MHz	Upper	-35.79 dBm	Limit =-25dBm

Date: 19.JUN.2013 09:19:25

Band :	LTE Band 7	Band Width :	10MHz / QPSK

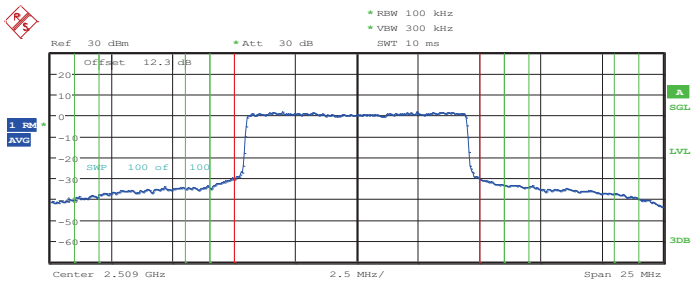
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Tx Channel Bandwidth	10 MHz	Power	19.98 dBm	
Adjacent Channel Bandwidth / Spacing	1 MHz / 5.5 MHz	Lower	-25.65 dBm	Limit =-13dBm
Alternate Channel Bandwidth / Spacing	1 MHz / 6.5 MHz	Lower	-36.67 dBm	Limit =-13dBm
2nd Alternate Channel Bandwidth / Spacing	1 MHz / 11 MHz	Lower	-43.51 dBm	Limit =-25dBm

Date: 19.JUN.2013 09:25:38

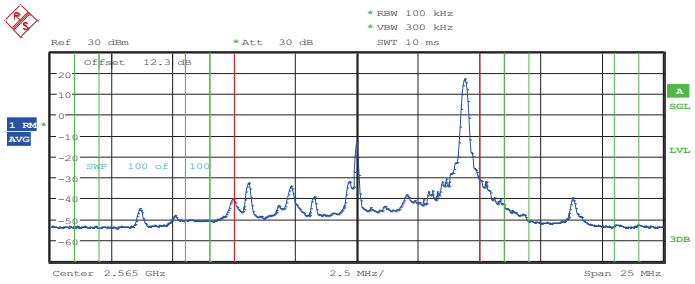
Lower Band Edge Plot for QPSK-RB Size 50, RB Offset 0



Tx Channel Bandwidth	10 MHz	Power	19.63 dBm	
Adjacent Channel Bandwidth / Spacing	1 MHz / 5.5 MHz	Lower	-22.39 dBm	Limit =-13dBm
Alternate Channel Bandwidth / Spacing	1 MHz / 6.5 MHz	Lower	-25.16 dBm	Limit =-13dBm
2nd Alternate Channel Bandwidth / Spacing	1 MHz / 11 MHz	Lower	-29.58 dBm	Limit =-25dBm

Date: 19.JUN.2013 09:26:33

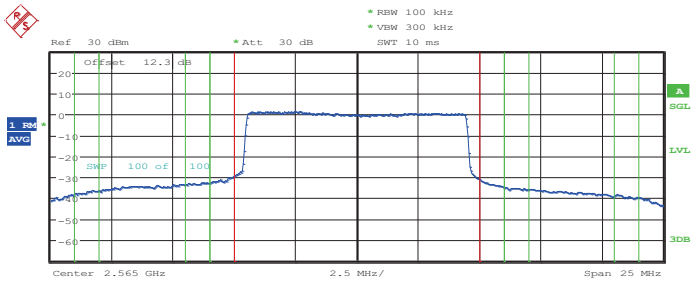
Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 49



Tx Channel Bandwidth	10 MHz	Power	19.20 dBm	
Adjacent Channel Bandwidth	1 MHz			
Adjacent Channel Spacing	5.5 MHz	Upper	-26.37 dBm	Limit =-13dBm
Alternate Channel Bandwidth	1 MHz			
Alternate Channel Spacing	6.5 MHz	Upper	-36.98 dBm	Limit =-13dBm
2nd Alternate Channel Bandwidth	1 MHz			
2nd Alternate Channel Spacing	11 MHz	Upper	-43.70 dBm	Limit =-25dBm

Date: 19.JUN.2013 09:23:14

Higher Band Edge Plot for QPSK-RB Size 50, RB Offset 0

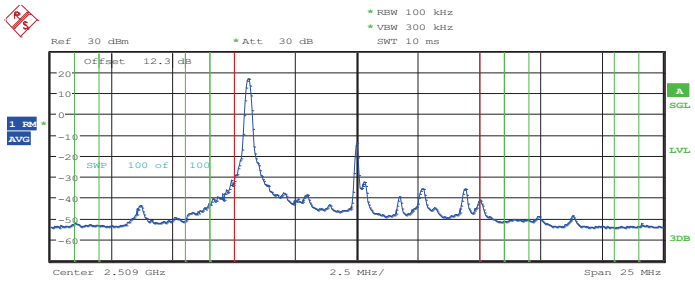


Tx Channel Bandwidth	10 MHz	Power	19.37 dBm	
Adjacent Channel Bandwidth	1 MHz			
Adjacent Channel Spacing	5.5 MHz	Upper	-23.70 dBm	Limit =-13dBm
Alternate Channel Bandwidth	1 MHz			
Alternate Channel Spacing	6.5 MHz	Upper	-25.88 dBm	Limit =-13dBm
2nd Alternate Channel Bandwidth	1 MHz			
2nd Alternate Channel Spacing	11 MHz	Upper	-29.73 dBm	Limit =-25dBm

Date: 19.JUN.2013 09:22:02

Band :	LTE Band 7	Band Width :	10MHz / 16QAM

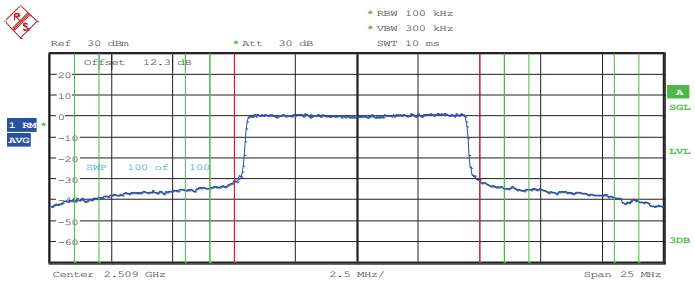
Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



Tx Channel Bandwidth	10 MHz	Power	19.04 dBm	
Adjacent Channel Bandwidth	1 MHz	Lower	-27.65 dBm	Limit =-13dBm
Spacing	5.5 MHz			
Alternate Channel Bandwidth	1 MHz	Lower	-36.89 dBm	Limit =-13dBm
Spacing	6.5 MHz			
2nd Alternate Channel Bandwidth	1 MHz	Lower	-43.68 dBm	Limit =-25dBm
Spacing	11 MHz			

Date: 19.JUN.2013 09:25:56

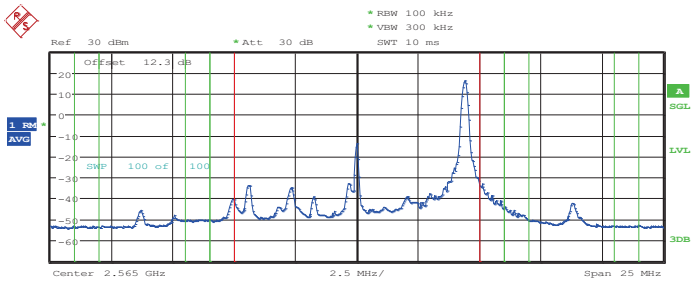
Lower Band Edge Plot for 16QAM-RB Size 50, RB Offset 0



Tx Channel Bandwidth	10 MHz	Power	19.00 dBm	
Adjacent Channel Bandwidth	1 MHz	Lower	-23.95 dBm	Limit =-13dBm
Spacing	5.5 MHz			
Alternate Channel Bandwidth	1 MHz	Lower	-25.54 dBm	Limit =-13dBm
Spacing	6.5 MHz			
2nd Alternate Channel Bandwidth	1 MHz	Lower	-30.52 dBm	Limit =-25dBm
Spacing	11 MHz			

Date: 19.JUN.2013 09:26:17

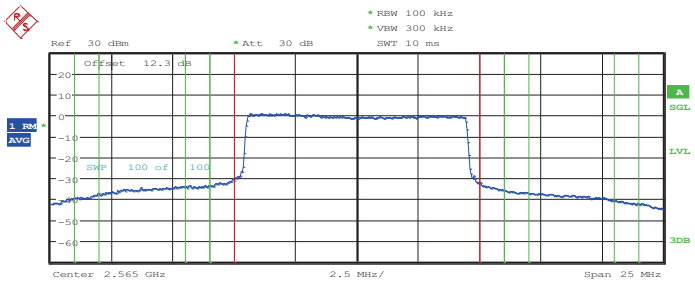
Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 49



Tx Channel			
Bandwidth	10 MHz	Power	18.24 dBm
Adjacent Channel			
Bandwidth	1 MHz		
Spacing	5.5 MHz	Upper	-28.31 dBm Limit =-13dBm
Alternate Channel			
Bandwidth	1 MHz		
Spacing	6.5 MHz	Upper	-37.40 dBm Limit =-13dBm
2nd Alternate Channel			
Bandwidth	1 MHz		
Spacing	11 MHz	Upper	-43.80 dBm Limit =-25dBm

Date: 19.JUN.2013 09:22:57

Higher Band Edge Plot for 16QAM-RB Size 50, RB Offset 0

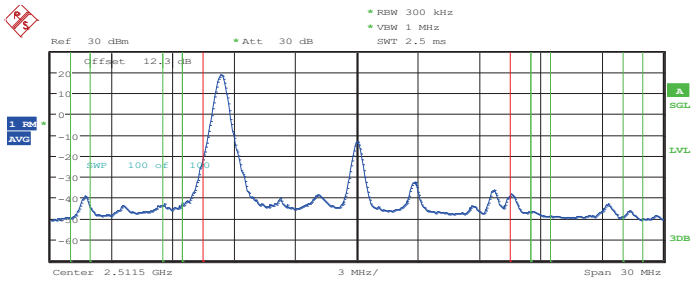


Tx Channel			
Bandwidth	10 MHz	Power	18.66 dBm
Adjacent Channel			
Bandwidth	1 MHz		
Spacing	5.5 MHz	Upper	-24.81 dBm Limit =-13dBm
Alternate Channel			
Bandwidth	1 MHz		
Spacing	6.5 MHz	Upper	-27.15 dBm Limit =-13dBm
2nd Alternate Channel			
Bandwidth	1 MHz		
Spacing	11 MHz	Upper	-32.08 dBm Limit =-25dBm

Date: 19.JUN.2013 09:22:22

Band :	LTE Band 7	Band Width :	15MHz / QPSK

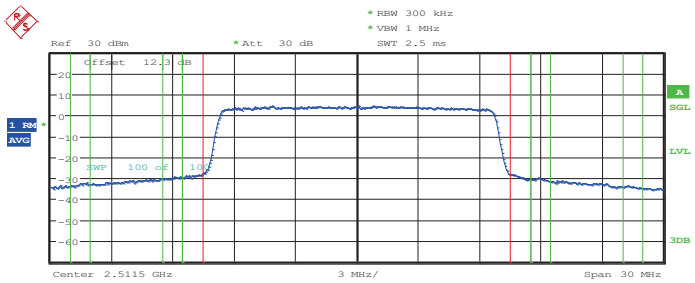
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Tx Channel Bandwidth	15 MHz	Power	18.85 dBm	
Adjacent Channel Bandwidth	1 MHz	Lower	-24.97 dBm	Limit =-13dBm
Spacing	8 MHz			
Alternate Channel Bandwidth	1 MHz	Lower	-39.94 dBm	Limit =-13dBm
Spacing	9 MHz			
2nd Alternate Channel Bandwidth	1 MHz	Lower	-38.55 dBm	Limit =-25dBm
Spacing	13.5 MHz			

Date: 19.JUN.2013 09:30:28

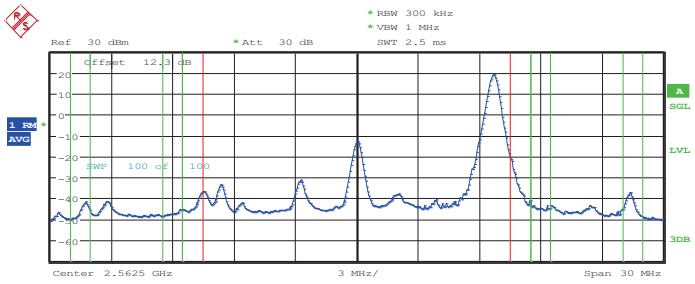
Lower Band Edge Plot for QPSK-RB Size 75, RB Offset 0



Tx Channel Bandwidth	15 MHz	Power	19.22 dBm	
Adjacent Channel Bandwidth	1 MHz	Lower	-24.53 dBm	Limit =-13dBm
Spacing	8 MHz			
Alternate Channel Bandwidth	1 MHz	Lower	-25.54 dBm	Limit =-13dBm
Spacing	9 MHz			
2nd Alternate Channel Bandwidth	1 MHz	Lower	-28.70 dBm	Limit =-25dBm
Spacing	13.5 MHz			

Date: 19.JUN.2013 09:29:44

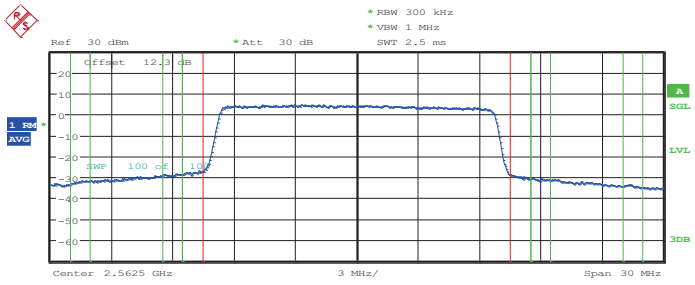
Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 74



Tx Channel			
Bandwidth	15 MHz	Power 19.10 dBm	
Adjacent Channel			
Bandwidth	1 MHz		
Spacing	8 MHz	Upper -23.68 dBm	Limit =-13dBm
Alternate Channel			
Bandwidth	1 MHz		
Spacing	9 MHz	Upper -39.94 dBm	Limit =-13dBm
2nd Alternate Channel			
Bandwidth	1 MHz		
Spacing	13.5 MHz	Upper -36.78 dBm	Limit =-25dBm

Date: 19.JUN.2013 09:34:51

Higher Band Edge Plot for QPSK-RB Size 75, RB Offset 0

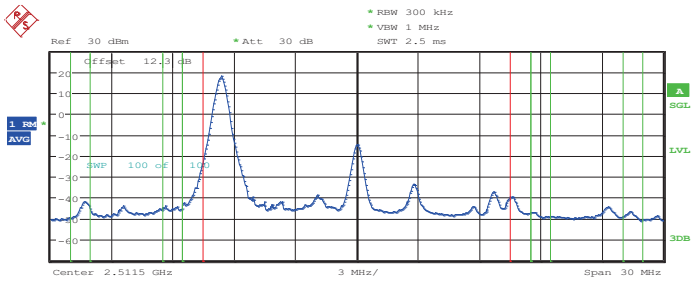


Tx Channel			
Bandwidth	15 MHz	Power 19.30 dBm	
Adjacent Channel			
Bandwidth	1 MHz		
Spacing	8 MHz	Upper -25.55 dBm	Limit =-13dBm
Alternate Channel			
Bandwidth	1 MHz		
Spacing	9 MHz	Upper -26.70 dBm	Limit =-13dBm
2nd Alternate Channel			
Bandwidth	1 MHz		
Spacing	13.5 MHz	Upper -29.86 dBm	Limit =-25dBm

Date: 19.JUN.2013 09:35:40

Band :	LTE Band 7	Band Width :	15MHz / 16QAM

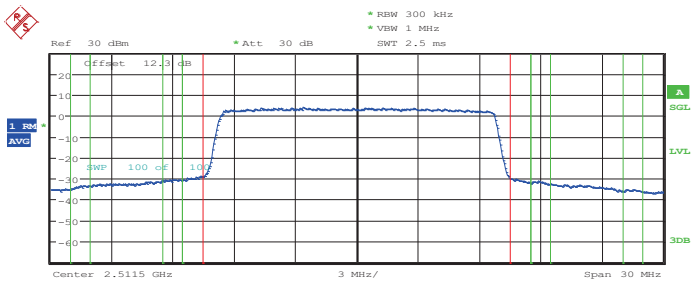
Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



Tx Channel				
Bandwidth	15 MHz	Power	17.71 dBm	
Adjacent Channel				
Bandwidth	1 MHz	Lower	-26.63 dBm	Limit =-13dBm
Spacing	8 MHz			
Alternate Channel				
Bandwidth	1 MHz	Lower	-40.61 dBm	Limit =-13dBm
Spacing	9 MHz			
2nd Alternate Channel				
Bandwidth	1 MHz	Lower	-40.39 dBm	Limit =-25dBm
Spacing	13.5 MHz			

Date: 19.JUN.2013 09:30:14

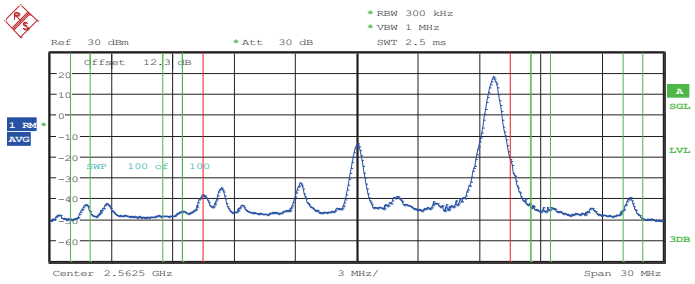
Lower Band Edge Plot for 16QAM-RB Size 75, RB Offset 0



Tx Channel				
Bandwidth	15 MHz	Power	18.57 dBm	
Adjacent Channel				
Bandwidth	1 MHz	Lower	-25.37 dBm	Limit =-13dBm
Spacing	8 MHz			
Alternate Channel				
Bandwidth	1 MHz	Lower	-26.44 dBm	Limit =-13dBm
Spacing	9 MHz			
2nd Alternate Channel				
Bandwidth	1 MHz	Lower	-29.52 dBm	Limit =-25dBm
Spacing	13.5 MHz			

Date: 19.JUN.2013 09:29:57

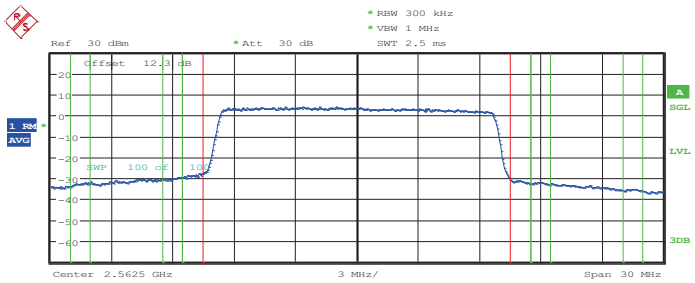
Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 74



Tx Channel				
Bandwidth	15 MHz	Power	17.61 dBm	
Adjacent Channel				
Bandwidth	1 MHz			
Spacing	8 MHz	Upper	-24.98 dBm	Limit =-13dBm
Alternate Channel				
Bandwidth	1 MHz			
Spacing	9 MHz	Upper	-40.68 dBm	Limit =-13dBm
2nd Alternate Channel				
Bandwidth	1 MHz			
Spacing	13.5 MHz	Upper	-38.74 dBm	Limit =-25dBm

Date: 19.JUN.2013 09:35:06

Higher Band Edge Plot for 16QAM-RB Size 75, RB Offset 0

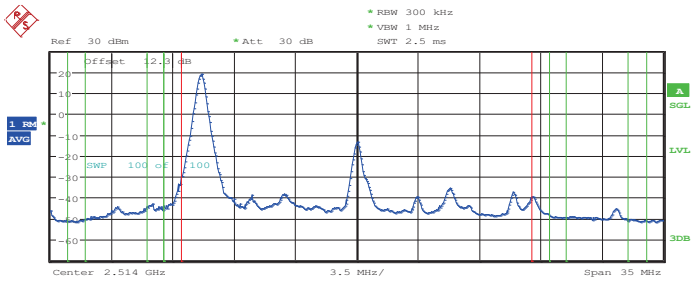


Tx Channel				
Bandwidth	15 MHz	Power	18.58 dBm	
Adjacent Channel				
Bandwidth	1 MHz			
Spacing	8 MHz	Upper	-27.25 dBm	Limit =-13dBm
Alternate Channel				
Bandwidth	1 MHz			
Spacing	9 MHz	Upper	-27.96 dBm	Limit =-13dBm
2nd Alternate Channel				
Bandwidth	1 MHz			
Spacing	13.5 MHz	Upper	-31.18 dBm	Limit =-25dBm

Date: 19.JUN.2013 09:35:26

Band :	LTE Band 7	Band Width :	20MHz / QPSK

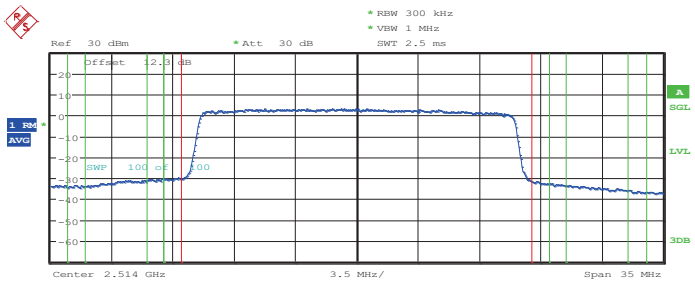
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Tx Channel				
Bandwidth	20 MHz	Power	18.83 dBm	
Adjacent Channel				
Bandwidth	1 MHz	Lower	-32.82 dBm	Limit =-13dBm
Spacing	10.5 MHz			
Alternate Channel				
Bandwidth	1 MHz	Lower	-40.07 dBm	Limit =-13dBm
Spacing	11.5 MHz			
2nd Alternate Channel				
Bandwidth	1 MHz	Lower	-46.52 dBm	Limit =-25dBm
Spacing	16 MHz			

Date: 19.JUN.2013 09:47:40

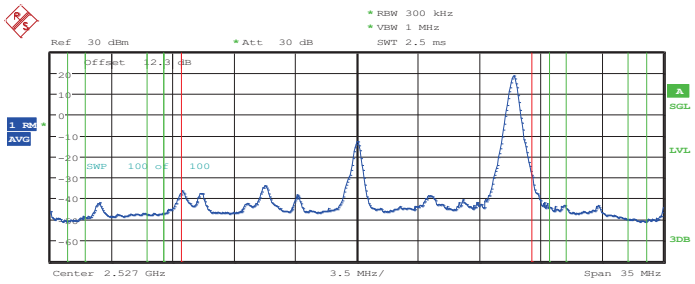
Lower Band Edge Plot for QPSK-RB Size 100, RB Offset 0



Tx Channel				
Bandwidth	20 MHz	Power	18.99 dBm	
Adjacent Channel				
Bandwidth	1 MHz	Lower	-25.99 dBm	Limit =-13dBm
Spacing	10.5 MHz			
Alternate Channel				
Bandwidth	1 MHz	Lower	-26.53 dBm	Limit =-13dBm
Spacing	11.5 MHz			
2nd Alternate Channel				
Bandwidth	1 MHz	Lower	-29.62 dBm	Limit =-25dBm
Spacing	16 MHz			

Date: 19.JUN.2013 09:48:40

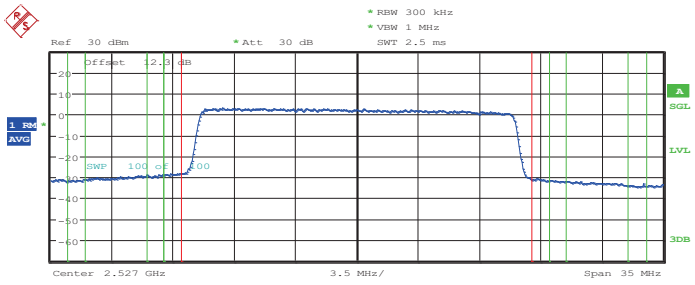
Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 99



Tx Channel				
Bandwidth	20 MHz	Power	18.38 dBm	
Adjacent Channel				
Bandwidth	1 MHz			
Spacing	10.5 MHz	Upper	-50.47 dB	Limit =-13dBm
Alternate Channel				
Bandwidth	1 MHz			
Spacing	11.5 MHz	Upper	-58.50 dB	Limit =-13dBm
2nd Alternate Channel				
Bandwidth	1 MHz			
Spacing	16 MHz	Upper	-64.45 dB	Limit =-25dBm

Date: 19.JUN.2013 15:09:41

Higher Band Edge Plot for QPSK-RB Size 100, RB Offset 0

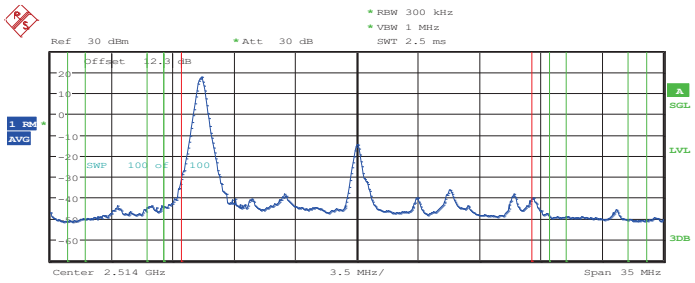


Tx Channel				
Bandwidth	20 MHz	Power	18.79 dBm	
Adjacent Channel				
Bandwidth	1 MHz			
Spacing	10.5 MHz	Upper	-45.61 dB	Limit =-13dBm
Alternate Channel				
Bandwidth	1 MHz			
Spacing	11.5 MHz	Upper	-46.28 dB	Limit =-13dBm
2nd Alternate Channel				
Bandwidth	1 MHz			
Spacing	16 MHz	Upper	-48.54 dB	Limit =-25dBm

Date: 19.JUN.2013 15:08:52

Band :	LTE Band 7	Band Width :	20MHz / 16QAM

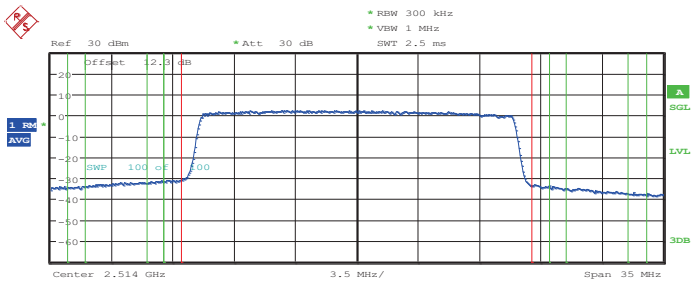
Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



Tx Channel			
Bandwidth	20 MHz	Power	17.62 dBm	
Adjacent Channel			
Bandwidth	1 MHz	Lower	-33.90 dBm	Limit =-13dBm
Spacing	10.5 MHz		
Alternate Channel			
Bandwidth	1 MHz	Lower	-40.50 dBm	Limit =-13dBm
Spacing	11.5 MHz		
2nd Alternate Channel			
Bandwidth	1 MHz	Lower	-46.35 dBm	Limit =-25dBm
Spacing	16 MHz		

Date: 19.JUN.2013 09:47:56

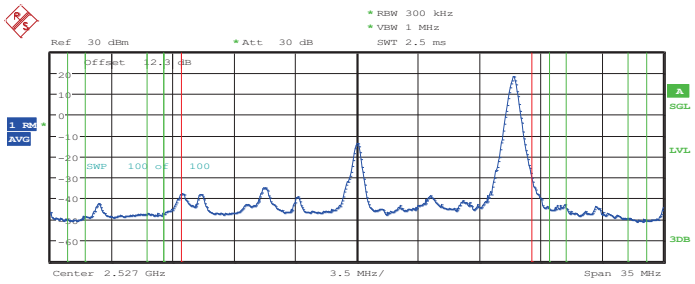
Lower Band Edge Plot for 16QAM-RB Size 100, RB Offset 0



Tx Channel			
Bandwidth	20 MHz	Power	18.24 dBm	
Adjacent Channel			
Bandwidth	1 MHz	Lower	-26.91 dBm	Limit =-13dBm
Spacing	10.5 MHz		
Alternate Channel			
Bandwidth	1 MHz	Lower	-27.44 dBm	Limit =-13dBm
Spacing	11.5 MHz		
2nd Alternate Channel			
Bandwidth	1 MHz	Lower	-29.93 dBm	Limit =-25dBm
Spacing	16 MHz		

Date: 19.JUN.2013 09:48:20

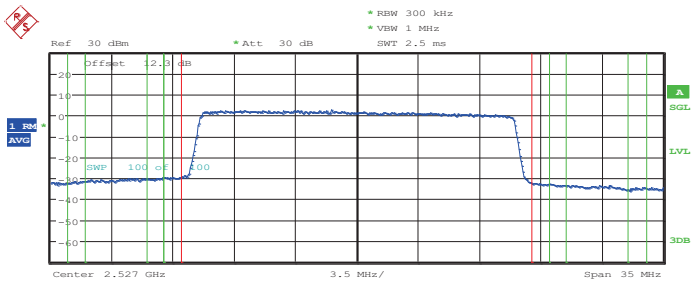
Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 99



Tx Channel				
Bandwidth	20 MHz	Power	17.72 dBm	
Adjacent Channel				
Bandwidth	1 MHz			
Spacing	10.5 MHz	Upper	-50.65 dB	Limit =-13dBm
Alternate Channel				
Bandwidth	1 MHz			
Spacing	11.5 MHz	Upper	-57.61 dB	Limit =-13dBm
2nd Alternate Channel				
Bandwidth	1 MHz			
Spacing	16 MHz	Upper	-63.69 dB	Limit =-25dBm

Date: 19.JUN.2013 15:09:24

Higher Band Edge Plot for 16QAM-RB Size 100, RB Offset 0

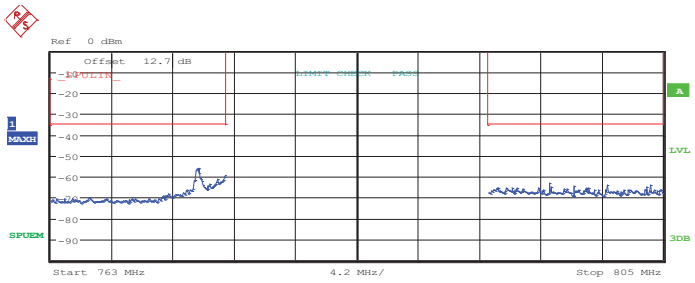


Tx Channel				
Bandwidth	20 MHz	Power	18.09 dBm	
Adjacent Channel				
Bandwidth	1 MHz			
Spacing	10.5 MHz	Upper	-46.51 dB	Limit =-13dBm
Alternate Channel				
Bandwidth	1 MHz			
Spacing	11.5 MHz	Upper	-46.98 dB	Limit =-13dBm
2nd Alternate Channel				
Bandwidth	1 MHz			
Spacing	16 MHz	Upper	-48.72 dB	Limit =-25dBm

Date: 19.JUN.2013 15:09:04

Band :	LTE Band 13	Band Width :	5MHz / QPSK

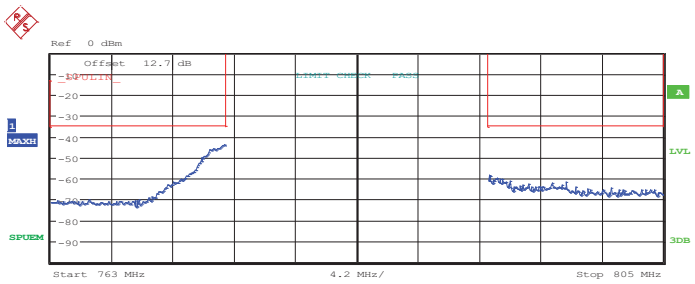
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
763.000 M	775.000 M	6.25 k	773.129870 M	-56.05	-21.05
793.000 M	805.000 M	6.25 k	797.188000 M	-63.16	-28.16

Date: 17.JUN.2013 16:31:44

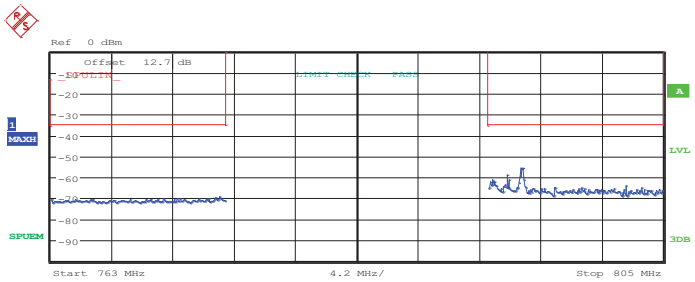
Lower Band Edge Plot for QPSK-RB Size 25, RB Offset 0



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
763.000 M	775.000 M	6.25 k	774.922078 M	-44.00	-9.00
793.000 M	805.000 M	6.25 k	793.054000 M	-58.66	-23.66

Date: 17.JUN.2013 16:31:58

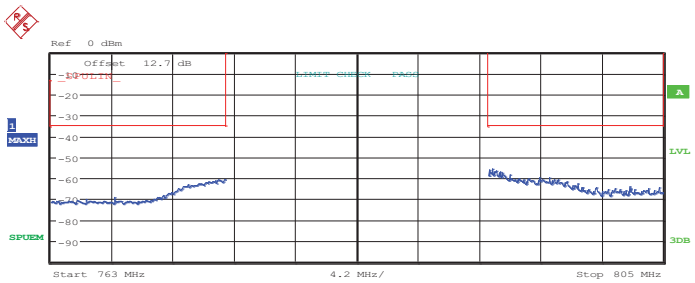
Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 24



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
763.000 M	775.000 M	6.25 k	774.610390 M	-69.34	-34.34
793.000 M	805.000 M	6.25 k	795.244000 M	-55.58	-20.58

Date: 17.JUN.2013 16:34:24

Higher Band Edge Plot for QPSK-RB Size 25, RB Offset 0

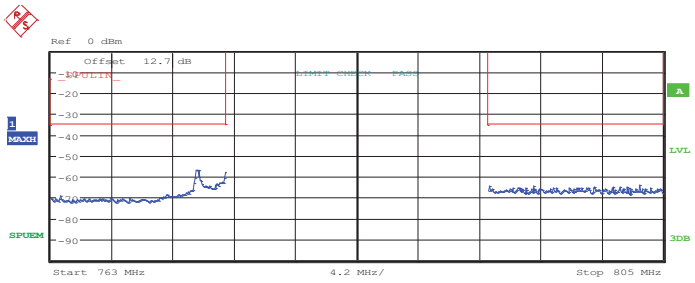


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
763.000 M	775.000 M	6.25 k	774.922078 M	-60.67	-25.67
793.000 M	805.000 M	6.25 k	793.264000 M	-55.73	-20.73

Date: 17.JUN.2013 16:33:09

Band :	LTE Band 13	Band Width :	5MHz / 16QAM

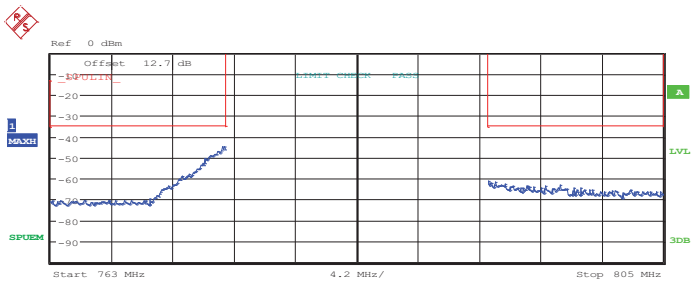
Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
763.000 M	775.000 M	6.25 k	772.974026 M	-56.86	-21.86
793.000 M	805.000 M	6.25 k	803.350000 M	-64.03	-29.03

Date: 17.JUN.2013 16:31:32

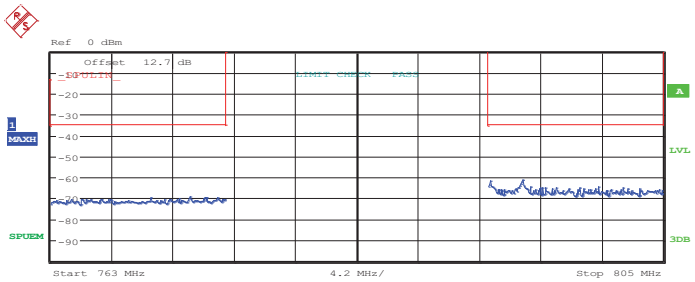
Lower Band Edge Plot for 16QAM-RB Size 25, RB Offset 0



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
763.000 M	775.000 M	6.25 k	774.766234 M	-44.74	-9.74
793.000 M	805.000 M	6.25 k	793.012000 M	-61.43	-26.43

Date: 17.JUN.2013 16:32:12

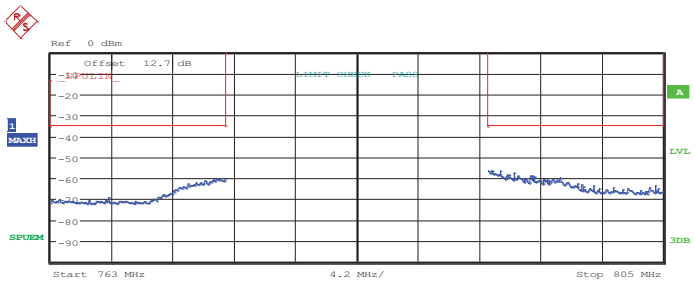
Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 24



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
763.000 M	775.000 M	6.25 k	772.584416 M	-69.45	-34.45
793.000 M	805.000 M	6.25 k	795.370000 M	-61.49	-26.49

Date: 17.JUN.2013 16:34:37

Higher Band Edge Plot for 16QAM-RB Size 25, RB Offset 0

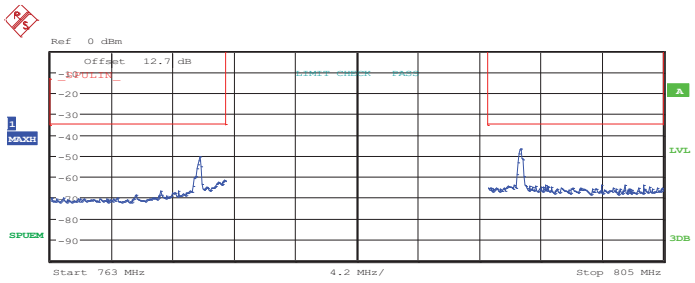


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
763.000 M	775.000 M	6.25 k	774.610390 M	-60.13	-25.13
793.000 M	805.000 M	6.25 k	793.276000 M	-56.46	-21.46

Date: 17.JUN.2013 16:32:53

Band :	LTE Band 13	Band Width :	10MHz / QPSK

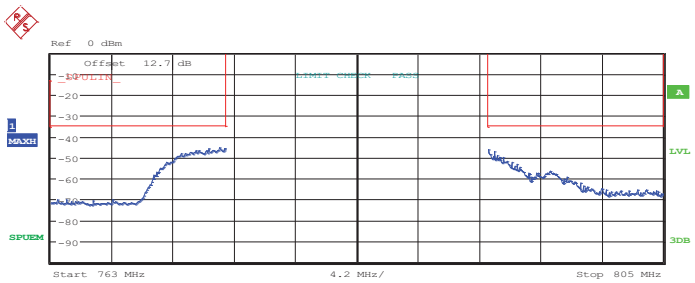
Middle Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
763.000 M	775.000 M	6.25 k	773.207792 M	-50.37	-15.37
793.000 M	805.000 M	6.25 k	795.262000 M	-46.76	-11.76

Date: 17.JUN.2013 16:22:50

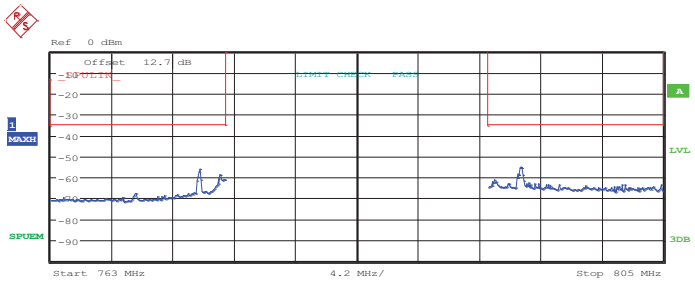
Middle Band Edge Plot for QPSK-RB Size 50, RB Offset 0



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
763.000 M	775.000 M	6.25 k	774.610390 M	-45.41	-10.41
793.000 M	805.000 M	6.25 k	793.012000 M	-46.34	-11.34

Date: 17.JUN.2013 16:23:39

Middle Band Edge Plot for QPSK-RB Size 1, RB Offset 49

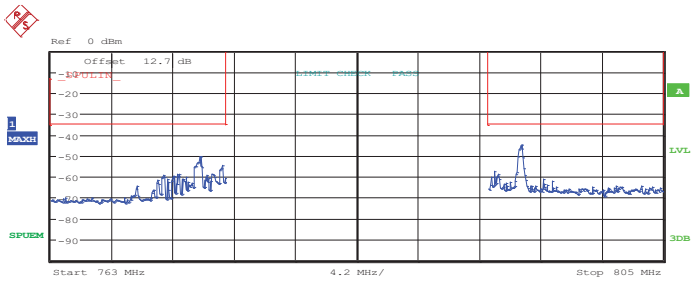


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
763.000 M	775.000 M	6.25 k	773.207792 M	-56.16	-21.16
793.000 M	805.000 M	6.25 k	795.202000 M	-55.36	-20.36

Date: 17.JUN.2013 16:22:31

Band :	LTE Band 13	Band Width :	10MHz / 16QAM

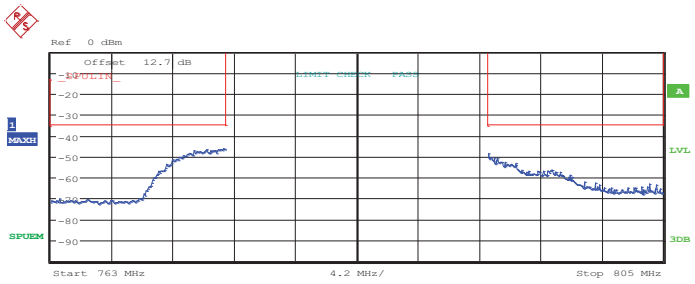
Middle Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
763.000 M	775.000 M	6.25 k	773.207792 M	-50.61	-15.61
793.000 M	805.000 M	6.25 k	795.298000 M	-44.85	-9.85

Date: 17.JUN.2013 16:23:05

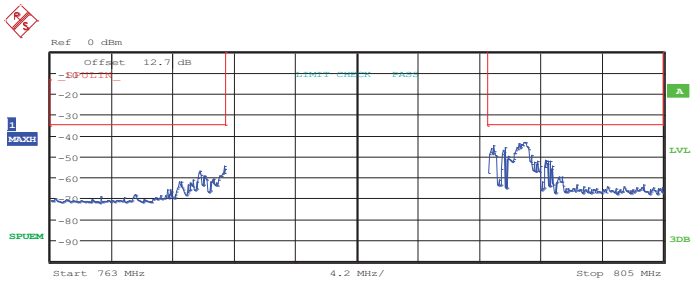
Middle Band Edge Plot for 16QAM-RB Size 50, RB Offset 0



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
763.000 M	775.000 M	6.25 k	774.844156 M	-46.10	-11.10
793.000 M	805.000 M	6.25 k	793.030000 M	-48.45	-13.45

Date: 17.JUN.2013 16:23:25

Middle Band Edge Plot for 16QAM-RB Size 1, RB Offset 49

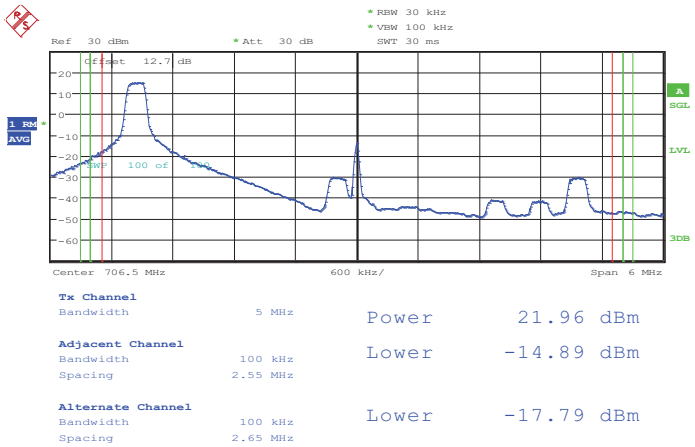


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
763.000 M	775.000 M	6.25 k	774.922078 M	-54.59	-19.59
793.000 M	805.000 M	6.25 k	795.448000 M	-43.31	-8.31

Date: 17.JUN.2013 16:21:32

Band :	LTE Band 17	Band Width :	5MHz / QPSK

Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0

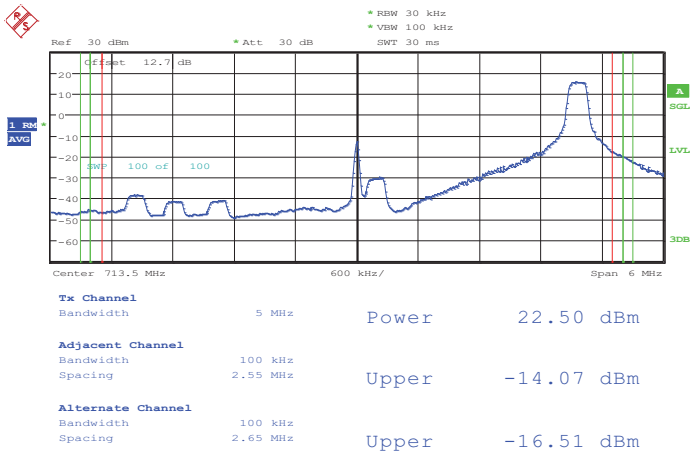


Date: 18.JUN.2013 16:40:43

Lower Band Edge Plot for QPSK-RB Size 25, RB Offset 0

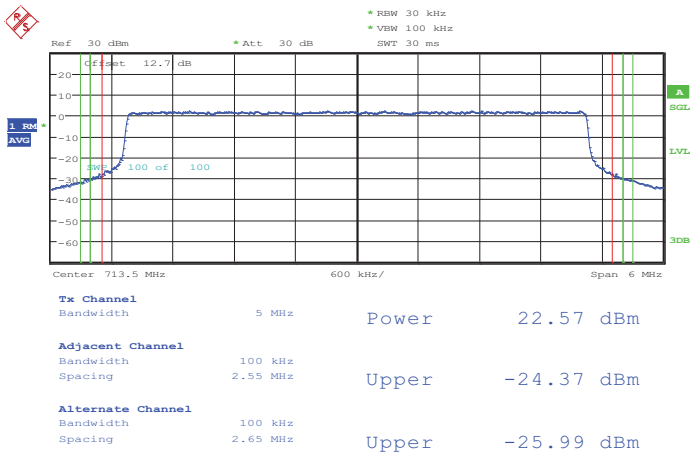
Date: 18.JUN.2013 16:38:47

Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 24



Date: 18.JUN.2013 16:41:36

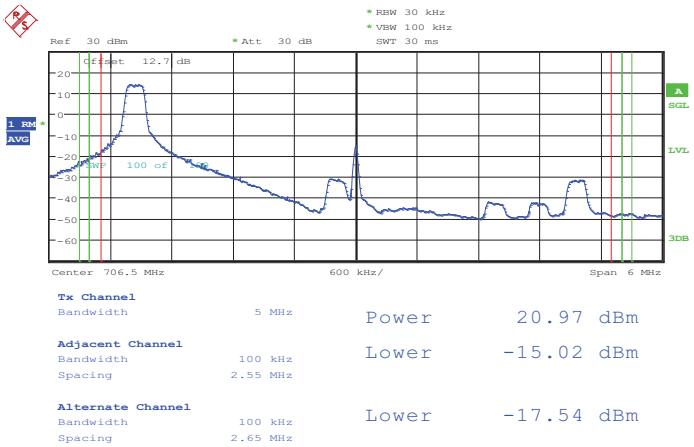
Higher Band Edge Plot for QPSK-RB Size 25, RB Offset 0



Date: 18.JUN.2013 16:42:21

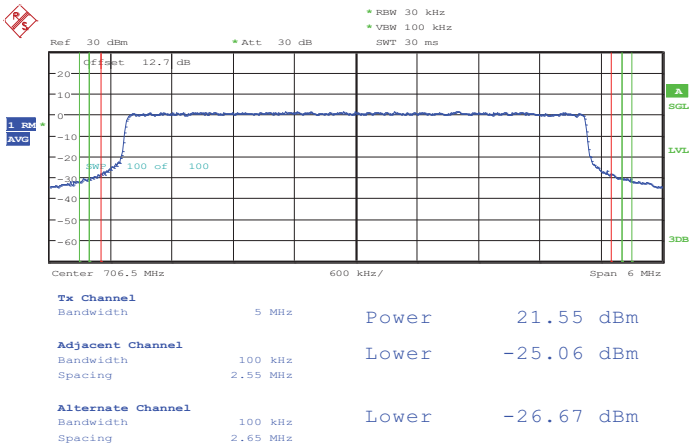
Band :	LTE Band 17	Band Width :	5MHz / 16QAM

Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



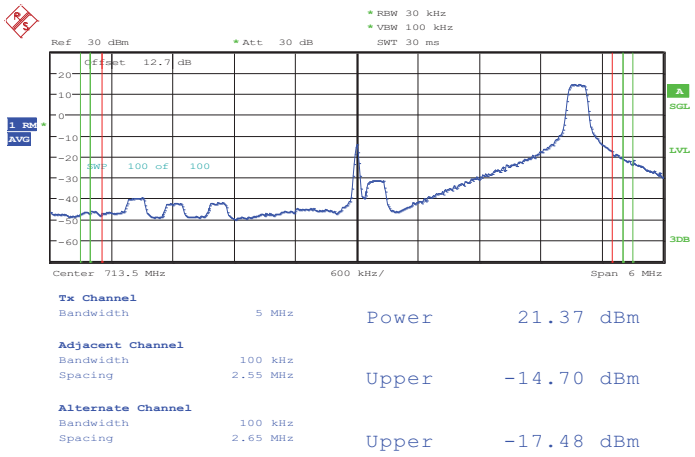
Date: 18.JUN.2013 16:40:26

Lower Band Edge Plot for 16QAM-RB Size 25, RB Offset 0



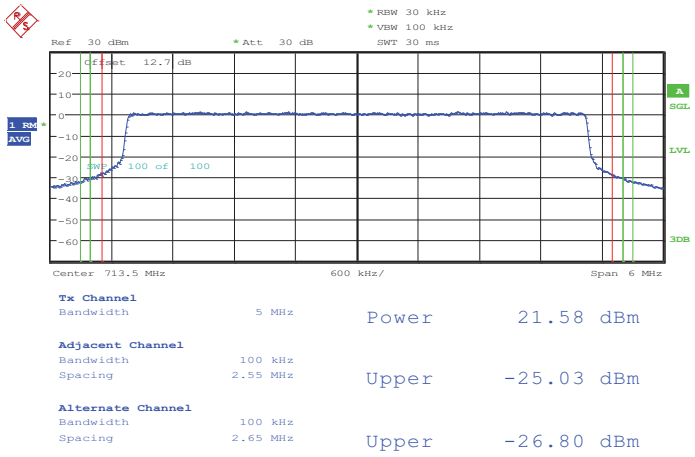
Date: 18.JUN.2013 16:39:06

Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 24



Date: 18.JUN.2013 16:41:49

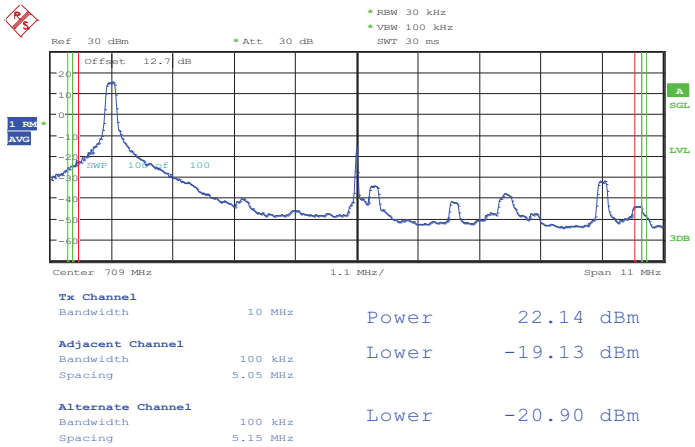
Higher Band Edge Plot for 16QAM-RB Size 25, RB Offset 0



Date: 18.JUN.2013 16:42:08

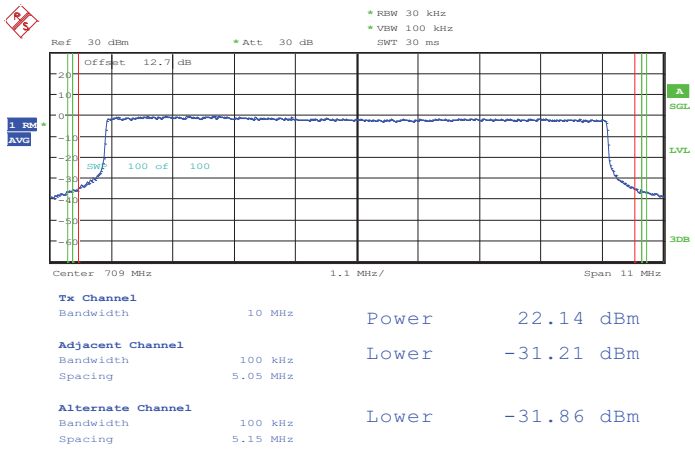
Band :	LTE Band 17	Band Width :	10MHz / QPSK

Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



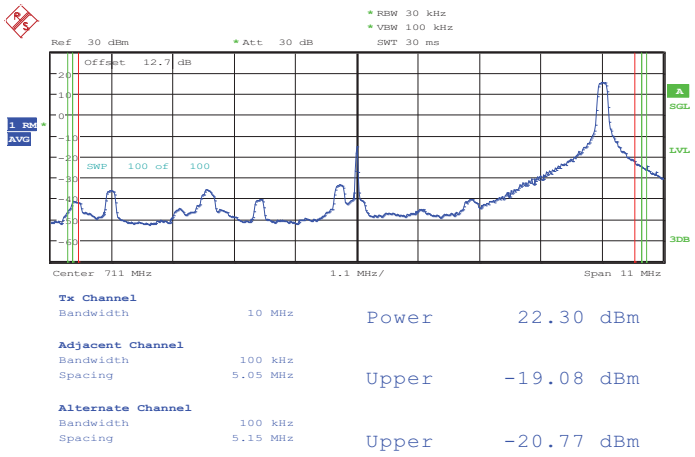
Date: 18.JUN.2013 16:46:02

Lower Band Edge Plot for QPSK-RB Size 50, RB Offset 0



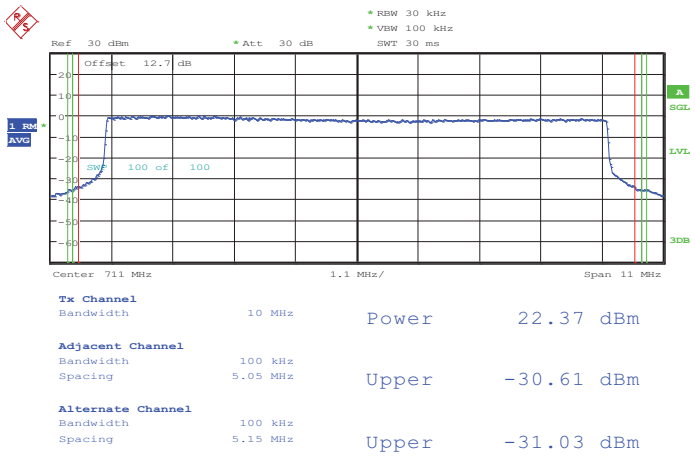
Date: 18.JUN.2013 16:46:56

Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 49



Date: 18.JUN.2013 16:45:19

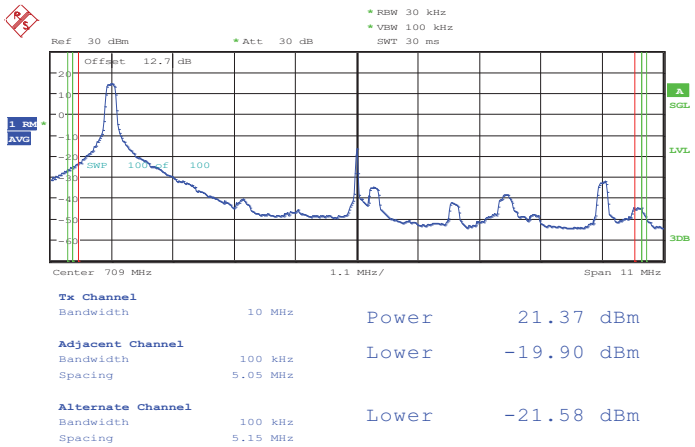
Higher Band Edge Plot for QPSK-RB Size 50, RB Offset 0



Date: 18.JUN.2013 16:44:18

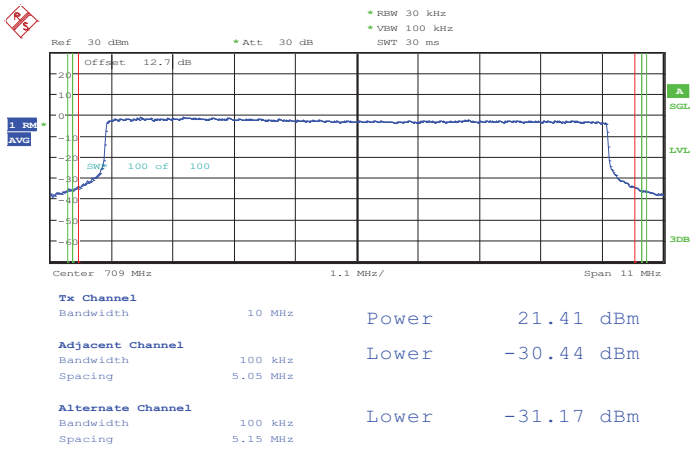
Band :	LTE Band 17	Band Width :	10MHz / 16QAM

Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



Date: 18.JUN.2013 16:46:21

Lower Band Edge Plot for 16QAM-RB Size 50, RB Offset 0



Date: 18.JUN.2013 16:46:39

Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 49

Date: 18.JUN.2013 16:45:04

Higher Band Edge Plot for 16QAM-RB Size 50, RB Offset 0

Date: 18.JUN.2013 16:44:37