



# FCC RF Test Report

APPLICANT : Novatel Wireless  
EQUIPMENT : Fixed Wireless Gateway  
BRAND NAME : Novatel Wireless Inc.  
MODEL NAME : SA2100  
FCC ID : PKRNVWSA2100  
STANDARD : 47 CFR Part 2, 22(H), 24(E), 27  
CLASSIFICATION : PCS Licensed Transmitter (PCB)

The product was received on Aug. 13, 2013 and testing was completed on Oct. 31, 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



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FCC ID : PKRNVWSA2100

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### 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	-
3.1	§22.913(a)(2)	RSS-132(5.4) SRSP-503(5.1.3)	Effective Radiated Power (Band 5)	ERP < 7 Watts	PASS	-
	§27.50(c)(10)	N/A	Effective Radiated Power (Band 17)	ERP < 3 Watts		
	§24.232(c)	RSS-133 (6.4) SRSP-510(5.1.2)	Equivalent Isotropic Radiated Power (Band 2)	EIRP < 2Watt		
	§27.50(d)(4)	RSS-139 (6.4) SRSP-513(5.1.2)	Equivalent Isotropic Radiated Power (Band 4)	EIRP < 1Watt		
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(g)(h)	RSS-132 (5.5) RSS-133 (6.5.1) RSS-139 (6.5)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 17)	< 43+10log <sub>10</sub> (P[Watts])	PASS	-
3.5	§2.1051 §22.917(a) §24.238(a) §27.53(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 17)	< 43+10log <sub>10</sub> (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(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 17)	$< 43 + 10 \log_{10}(P[\text{Watts}])$	PASS	Under limit 17.80 dB at 3760.000 MHz
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	$< 2.5 \text{ ppm}$	PASS	-



# 1 General Description

## 1.1 Applicant

**Novatel Wireless**

9645 Scranton Road, Suite #205, San Diego, California USA 92121

## 1.2 Manufacturer

**Novatel Wireless**

9645 Scranton Road, Suite #205, San Diego, California USA 92121

## 1.3 Feature of Equipment Under Test

Product Feature	
Equipment	Fixed Wireless Gateway
Brand Name	Novatel Wireless Inc.
Model Name	SA2100
FCC ID	PKRNVWSA2100
EUT supports Radios application	GSM/EGPRS/WCDMA/HSPA/LTE WLAN 11bgn(HT20)
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	
<b>Tx Frequency</b>	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 17 : 706.5 MHz ~ 713.5 MHz
<b>Rx Frequency</b>	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 17 : 736.5 MHz ~ 743.5 MHz
<b>Bandwidth</b>	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 (Band 17)
<b>Maximum Output Power to Antenna</b>	LTE Band 5 : 23.98 dBm / 0.2500 W LTE Band 2 : 24.14 dBm / 0.2594 W LTE Band 4 : 24.12 dBm / 0.2582 W LTE Band 17 : 23.58 dBm / 0.2280 W
<b>Antenna Type</b>	PIFA Antenna
<b>Antenna Gain</b>	LTE Band 5 : -0.08 dBi LTE Band 2 : 1.95 dBi LTE Band 4 : 2.08 dBi LTE Band 17 : -0.85 dBi
<b>Type of Modulation</b>	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 (ppm)	Maximum ERP/EIRP
Part 22	LTE Band 5	QPSK	1.4 MHz	1M10G7D	0.007 ppm	0.1496 W
Part 22	LTE Band 5	16QAM	1.4 MHz	1M10D7W	0.008 ppm	0.1202 W
Part 22	LTE Band 5	QPSK	3 MHz	2M75G7D	0.007 ppm	0.1489 W
Part 22	LTE Band 5	16QAM	3 MHz	2M74D7W	0.008 ppm	0.1189 W
Part 22	LTE Band 5	QPSK	5 MHz	4M50G7D	0.007 ppm	0.1483 W
Part 22	LTE Band 5	16QAM	5 MHz	4M50D7W	0.007 ppm	0.1189 W
Part 22	LTE Band 5	QPSK	10 MHz	9M16G7D	0.008 ppm	0.1462 W
Part 22	LTE Band 5	16QAM	10 MHz	9M08D7W	0.007 ppm	0.1178 W
Part 24	LTE Band 2	QPSK	1.4 MHz	1M11G7D	0.010 ppm	0.4064 W
Part 24	LTE Band 2	16QAM	1.4 MHz	1M11D7W	0.011 ppm	0.3296 W
Part 24	LTE Band 2	QPSK	3 MHz	2M75G7D	0.011 ppm	0.3882 W
Part 24	LTE Band 2	16QAM	3 MHz	2M73D7W	0.013 ppm	0.3133 W
Part 24	LTE Band 2	QPSK	5 MHz	4M50G7D	0.011 ppm	0.3890 W
Part 24	LTE Band 2	16QAM	5 MHz	4M49D7W	0.010 ppm	0.3126 W
Part 24	LTE Band 2	QPSK	10 MHz	9M13G7D	0.013 ppm	0.4046 W
Part 24	LTE Band 2	16QAM	10 MHz	9M04D7W	0.013 ppm	0.3170 W
Part 24	LTE Band 2	QPSK	15 MHz	13M5G7D	0.012 ppm	0.4018 W
Part 24	LTE Band 2	16QAM	15 MHz	13M5D7W	0.011 ppm	0.3192 W
Part 24	LTE Band 2	QPSK	20 MHz	18M6G7D	0.013 ppm	0.4009 W
Part 24	LTE Band 2	16QAM	20 MHz	18M6D7W	0.010 ppm	0.3311 W





FCC Rule	System	Type of Modulation	BW	Emission Designator	Frequency Tolerance (% , Hz, ppm)	Maximum ERP/EIRP
Part 27	LTE Band 4	QPSK	1.4 MHz	1M11G7D	0.006 ppm	0.3981 W
Part 27	LTE Band 4	16QAM	1.4 MHz	1M11D7W	0.006 ppm	0.3258 W
Part 27	LTE Band 4	QPSK	3 MHz	2M74G7D	0.007 ppm	0.4169 W
Part 27	LTE Band 4	16QAM	3 MHz	2M74D7W	0.005 ppm	0.3228 W
Part 27	LTE Band 4	QPSK	5MHz	4M49G7D	0.006 ppm	0.3936 W
Part 27	LTE Band 4	16QAM	5MHz	4M49D7W	0.005 ppm	0.3221 W
Part 27	LTE Band 4	QPSK	10MHz	9M10G7D	0.006 ppm	0.4009 W
Part 27	LTE Band 4	16QAM	10MHz	9M07D7W	0.006 ppm	0.3251 W
Part 27	LTE Band 4	QPSK	15MHz	13M5G7D	0.007 ppm	0.3981 W
Part 27	LTE Band 4	16QAM	15MHz	13M5D7W	0.005 ppm	0.3184 W
Part 27	LTE Band 4	QPSK	20MHz	18M5G7D	0.006 ppm	0.4159 W
Part 27	LTE Band 4	16QAM	20MHz	18M5D7W	0.006 ppm	0.3289 W
Part 27	LTE Band 17	QPSK	5MHz	4M52G7D	0.008 ppm	0.1143 W
Part 27	LTE Band 17	16QAM	5MHz	4M50D7W	0.008 ppm	0.0940 W
Part 27	LTE Band 17	QPSK	10MHz	9M08G7D	0.009 ppm	0.1130 W
Part 27	LTE Band 17	16QAM	10MHz	9M00D7W	0.008 ppm	0.0948 W

## 1.7 Testing Site

<b>Test Site</b>	SPORTON INTERNATIONAL INC.		
<b>Test Site Location</b>	No. 52, Hwa Ya 1 <sup>st</sup> Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. TEL: +886-3-327-3456 FAX: +886-3-328-4978		
<b>Test Site No.</b>	<b>Sporton Site No.</b>		<b>FCC/IC Registration No.</b>
	TH02-HY	03CH07-HY	722060/4086B-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
- ♦ FCC KDB 412172 D01 Determining ERP and ERIP v01
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v02r01

### Remark:

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

## 2 Test Configuration of Equipment Under Test

### 2.1 Test Mode

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, and EUT is rotated on three test planes to find out the worst emission.

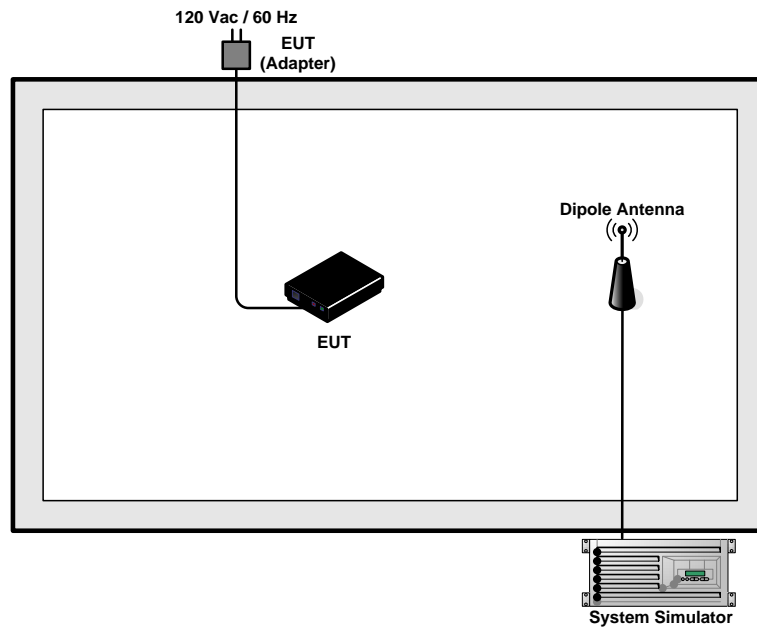
Frequency range investigated for radiated emission: 30MHz to 10<sup>th</sup> harmonic.

Test Modes			
Band		Radiated TCs	Conducted TCs
LTE Band 5	BW 1.4MHz	■ LTE (RB Size 1) Link	<ul style="list-style-type: none"> <li>■ LTE (RB Size 1) Link</li> <li>■ LTE (RB Size 3) Link</li> <li>■ LTE (RB Size 6) Link</li> </ul>
	BW 3MHz	■ LTE (RB Size 1) Link	<ul style="list-style-type: none"> <li>■ LTE (RB Size 1) Link</li> <li>■ LTE (RB Size 8) Link</li> <li>■ LTE (RB Size 15) Link</li> </ul>
	BW 5MHz	■ LTE (RB Size 1) Link	<ul style="list-style-type: none"> <li>■ LTE (RB Size 1) Link</li> <li>■ LTE (RB Size 12) Link</li> <li>■ LTE (RB Size 25) Link</li> </ul>
	BW 10MHz	■ LTE (RB Size 1) Link	<ul style="list-style-type: none"> <li>■ LTE (RB Size 1) Link</li> <li>■ LTE (RB Size 25) Link</li> <li>■ LTE (RB Size 50) Link</li> </ul>
LTE Band 2	BW 1.4MHz	■ LTE (RB Size 1) Link	<ul style="list-style-type: none"> <li>■ LTE (RB Size 1) Link</li> <li>■ LTE (RB Size 3) Link</li> <li>■ LTE (RB Size 6) Link</li> </ul>
	BW 3MHz	■ LTE (RB Size 1) Link	<ul style="list-style-type: none"> <li>■ LTE (RB Size 1) Link</li> <li>■ LTE (RB Size 8) Link</li> <li>■ LTE (RB Size 15) Link</li> </ul>
	BW 5MHz	■ LTE (RB Size 1) Link	<ul style="list-style-type: none"> <li>■ LTE (RB Size 1) Link</li> <li>■ LTE (RB Size 12) Link</li> <li>■ LTE (RB Size 25) Link</li> </ul>
	BW 10MHz	■ LTE (RB Size 1) Link	<ul style="list-style-type: none"> <li>■ LTE (RB Size 1) Link</li> <li>■ LTE (RB Size 25) Link</li> <li>■ LTE (RB Size 50) Link</li> </ul>
	BW 15MHz	■ LTE (RB Size 1) Link	<ul style="list-style-type: none"> <li>■ LTE (RB Size 1) Link</li> <li>■ LTE (RB Size 36) Link</li> <li>■ LTE (RB Size 75) Link</li> </ul>
	BW 20MHz	■ LTE (RB Size 1) Link	<ul style="list-style-type: none"> <li>■ LTE (RB Size 1) Link</li> <li>■ LTE (RB Size 50) Link</li> <li>■ LTE (RB Size 100) Link</li> </ul>



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 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.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m

## 2.4 Measurement Results Explanation Example

### For all conducted test items:

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

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

*Offset = RF cable loss + attenuator factor.*

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

Example :

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

### 3 Test Result

#### 3.1 Conducted Output Power Measurement and ERP/EIRP Measurement

##### 3.1.1 Description of the Conducted Output Power Measurement and ERP/EIRP 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.

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

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 17.

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2.

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

According to KDB 412172 D01 Power Approach,

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

$P_T$  = transmitter output power in dBm

$G_T$  = gain of the transmitting antenna in dBi

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

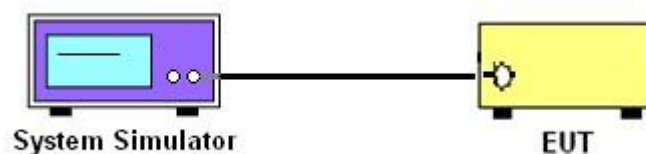
##### 3.1.2 Measuring Instruments

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

<EUT with Adapter>

<LTE Band 5 Conducted Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
<b>Channel</b>				<b>20450</b>	<b>20525</b>	<b>20600</b>
<b>Frequency (MHz)</b>				<b>829</b>	<b>836.5</b>	<b>844</b>
10	QPSK	1	0	23.88	23.51	23.60
10	QPSK	1	24	23.71	23.75	23.42
10	QPSK	1	49	23.71	23.62	23.58
10	QPSK	25	0	22.71	22.56	22.38
10	QPSK	25	12	22.56	22.61	22.33
10	QPSK	25	24	22.31	22.53	22.28
10	QPSK	50	0	22.40	22.37	22.22
10	16QAM	1	0	22.94	22.59	22.64
10	16QAM	1	24	22.82	22.82	22.47
10	16QAM	1	49	22.74	22.66	22.60
10	16QAM	25	0	21.73	21.57	21.43
10	16QAM	25	12	21.59	21.64	21.33
10	16QAM	25	24	21.40	21.62	21.31
10	16QAM	50	0	21.37	21.31	21.22
<b>Channel</b>				<b>20425</b>	<b>20525</b>	<b>20625</b>
<b>Frequency (MHz)</b>				<b>826.5</b>	<b>836.5</b>	<b>846.5</b>
5	QPSK	1	0	23.94	23.68	23.34
5	QPSK	1	12	23.80	23.64	23.38
5	QPSK	1	24	23.68	23.76	23.51
5	QPSK	12	0	22.85	22.73	22.31
5	QPSK	12	6	22.80	22.70	22.51
5	QPSK	12	11	22.74	22.80	22.45
5	QPSK	25	0	22.63	22.62	22.31
5	16QAM	1	0	22.98	22.79	22.39
5	16QAM	1	12	22.91	22.74	22.52
5	16QAM	1	24	22.75	22.82	22.56
5	16QAM	12	0	21.96	21.73	21.37
5	16QAM	12	6	21.89	21.80	21.50
5	16QAM	12	11	21.87	21.83	21.55
5	16QAM	25	0	21.66	21.60	21.30



BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
<b>Channel</b>				<b>20415</b>	<b>20525</b>	<b>20635</b>
<b>Frequency (MHz)</b>				<b>825.5</b>	<b>836.5</b>	<b>847.5</b>
3	QPSK	1	0	23.96	23.74	23.43
3	QPSK	1	7	23.87	23.68	23.43
3	QPSK	1	14	23.82	23.74	23.50
3	QPSK	8	0	23.00	22.78	22.47
3	QPSK	8	4	22.87	22.74	22.60
3	QPSK	8	7	22.85	22.77	22.57
3	QPSK	15	0	22.89	22.66	22.39
3	16QAM	1	0	22.98	22.78	22.52
3	16QAM	1	7	22.93	22.75	22.61
3	16QAM	1	14	22.87	22.79	22.53
3	16QAM	8	0	21.96	21.71	21.41
3	16QAM	8	4	21.91	21.68	21.52
3	16QAM	8	7	21.82	21.78	21.52
3	16QAM	15	0	21.89	21.69	21.46
<b>Channel</b>				<b>20407</b>	<b>20525</b>	<b>20643</b>
<b>Frequency (MHz)</b>				<b>824.7</b>	<b>836.5</b>	<b>848.3</b>
1.4	QPSK	1	0	23.98	23.73	23.57
1.4	QPSK	1	2	23.89	23.72	23.56
1.4	QPSK	1	5	23.97	23.68	23.56
1.4	QPSK	3	0	23.96	23.70	23.55
1.4	QPSK	3	1	23.96	23.70	23.56
1.4	QPSK	3	2	23.95	23.67	23.56
1.4	QPSK	6	0	23.03	22.80	22.62
1.4	16QAM	1	0	22.97	22.74	22.56
1.4	16QAM	1	2	22.94	22.76	22.58
1.4	16QAM	1	5	23.00	22.70	22.58
1.4	16QAM	3	0	22.99	22.81	22.62
1.4	16QAM	3	1	23.00	22.82	22.62
1.4	16QAM	3	2	23.03	22.78	22.63
1.4	16QAM	6	0	22.02	21.85	21.63





<LTE Band 2 Conducted Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
<b>Channel</b>				<b>18700</b>	<b>18900</b>	<b>19100</b>
<b>Frequency (MHz)</b>				<b>1860</b>	<b>1880</b>	<b>1900</b>
20	QPSK	1	0	24.08	24.02	23.81
20	QPSK	1	49	24.02	23.75	23.81
20	QPSK	1	99	23.90	23.76	23.46
20	QPSK	50	0	22.71	22.55	22.64
20	QPSK	50	24	22.62	22.52	22.58
20	QPSK	50	49	22.55	22.33	22.52
20	QPSK	100	0	22.79	22.54	22.67
20	16QAM	1	0	23.25	23.09	22.90
20	16QAM	1	49	23.10	22.79	22.98
20	16QAM	1	99	22.99	22.75	22.59
20	16QAM	50	0	21.61	21.54	21.59
20	16QAM	50	24	21.60	21.53	21.55
20	16QAM	50	49	21.58	21.40	21.49
20	16QAM	100	0	21.68	21.55	21.58
<b>Channel</b>				<b>18675</b>	<b>18900</b>	<b>19125</b>
<b>Frequency (MHz)</b>				<b>1857.5</b>	<b>1880</b>	<b>1902.5</b>
15	QPSK	1	0	24.09	23.94	23.92
15	QPSK	1	37	24.01	23.80	23.80
15	QPSK	1	74	23.87	23.86	23.72
15	QPSK	36	0	22.63	22.52	22.64
15	QPSK	36	18	22.70	22.56	22.56
15	QPSK	36	37	22.61	22.44	22.49
15	QPSK	75	0	22.61	22.45	22.55
15	16QAM	1	0	23.09	22.96	22.89
15	16QAM	1	37	22.90	22.78	22.81
15	16QAM	1	74	23.04	22.71	22.46
15	16QAM	36	0	21.62	21.55	21.60
15	16QAM	36	18	21.63	21.59	21.51
15	16QAM	36	37	21.58	21.48	21.48
15	16QAM	75	0	21.57	21.48	21.49



BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
<b>Channel</b>				<b>18650</b>	<b>18900</b>	<b>19150</b>
<b>Frequency (MHz)</b>				<b>1855</b>	<b>1880</b>	<b>1905</b>
10	QPSK	1	0	23.92	23.76	23.82
10	QPSK	1	24	24.12	23.73	23.69
10	QPSK	1	49	24.04	23.79	23.72
10	QPSK	25	0	22.89	22.63	22.73
10	QPSK	25	12	22.69	22.60	22.66
10	QPSK	25	24	22.74	22.66	22.44
10	QPSK	50	0	22.56	22.44	22.37
10	16QAM	1	0	22.99	22.83	22.88
10	16QAM	1	24	22.98	22.79	22.82
10	16QAM	1	49	23.06	22.77	22.47
10	16QAM	25	0	21.85	21.62	21.68
10	16QAM	25	12	21.66	21.65	21.63
10	16QAM	25	24	21.69	21.64	21.49
10	16QAM	50	0	21.50	21.47	21.34
<b>Channel</b>				<b>18625</b>	<b>18900</b>	<b>19175</b>
<b>Frequency (MHz)</b>				<b>1852.5</b>	<b>1880</b>	<b>1907.5</b>
5	QPSK	1	0	23.67	23.88	23.83
5	QPSK	1	12	23.95	23.77	23.68
5	QPSK	1	24	23.83	23.81	23.36
5	QPSK	12	0	22.87	22.88	22.85
5	QPSK	12	6	23.00	22.86	22.81
5	QPSK	12	11	22.87	22.75	22.72
5	QPSK	25	0	22.79	22.60	22.58
5	16QAM	1	0	22.65	22.87	23.00
5	16QAM	1	12	22.96	22.72	22.70
5	16QAM	1	24	22.88	22.83	22.58
5	16QAM	12	0	22.02	21.95	21.96
5	16QAM	12	6	22.05	21.94	21.84
5	16QAM	12	11	22.02	21.92	21.69
5	16QAM	25	0	21.86	21.70	21.60



BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
<b>Channel</b>				<b>18615</b>	<b>18900</b>	<b>19185</b>
<b>Frequency (MHz)</b>				<b>1851.5</b>	<b>1880</b>	<b>1908.5</b>
3	QPSK	1	0	23.79	23.86	23.81
3	QPSK	1	7	23.94	23.77	23.49
3	QPSK	1	14	23.77	23.94	23.45
3	QPSK	8	0	23.02	22.83	22.78
3	QPSK	8	4	23.06	22.89	22.61
3	QPSK	8	7	23.07	22.84	22.57
3	QPSK	15	0	22.94	22.81	22.54
3	16QAM	1	0	22.52	22.83	22.79
3	16QAM	1	7	23.01	22.80	22.72
3	16QAM	1	14	22.81	22.93	22.51
3	16QAM	8	0	21.95	21.89	21.73
3	16QAM	8	4	21.98	21.85	21.58
3	16QAM	8	7	22.04	21.90	21.51
3	16QAM	15	0	21.96	21.85	21.59
<b>Channel</b>				<b>18607</b>	<b>18900</b>	<b>19193</b>
<b>Frequency (MHz)</b>				<b>1850.7</b>	<b>1880</b>	<b>1909.3</b>
1.4	QPSK	1	0	23.88	23.80	23.64
1.4	QPSK	1	2	23.98	23.83	23.51
1.4	QPSK	1	5	24.14	23.88	23.50
1.4	QPSK	3	0	23.93	23.84	23.60
1.4	QPSK	3	1	24.09	23.82	23.52
1.4	QPSK	3	2	24.05	23.83	23.65
1.4	QPSK	6	0	22.98	22.83	22.59
1.4	16QAM	1	0	22.71	22.80	22.46
1.4	16QAM	1	2	22.95	22.77	22.48
1.4	16QAM	1	5	22.87	22.84	22.53
1.4	16QAM	3	0	23.08	22.84	22.60
1.4	16QAM	3	1	23.16	22.83	22.55
1.4	16QAM	3	2	23.23	22.82	22.45
1.4	16QAM	6	0	22.01	21.93	21.62



<LTE Band 4 Conducted Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
<b>Channel</b>				<b>20050</b>	<b>20175</b>	<b>20300</b>
<b>Frequency (MHz)</b>				<b>1720</b>	<b>1732.5</b>	<b>1745</b>
20	QPSK	1	0	23.58	23.89	24.11
20	QPSK	1	49	23.72	23.88	23.74
20	QPSK	1	99	23.72	23.73	23.86
20	QPSK	50	0	22.34	22.60	22.61
20	QPSK	50	24	22.43	22.60	22.51
20	QPSK	50	49	22.35	22.60	22.61
20	QPSK	100	0	22.34	22.72	22.66
20	16QAM	1	0	22.60	22.96	23.09
20	16QAM	1	49	22.79	22.89	22.92
20	16QAM	1	99	22.87	22.81	23.01
20	16QAM	50	0	21.32	21.57	21.46
20	16QAM	50	24	21.41	21.47	21.51
20	16QAM	50	49	21.42	21.42	21.53
20	16QAM	100	0	21.35	21.54	21.57
<b>Channel</b>				<b>20025</b>	<b>20175</b>	<b>20325</b>
<b>Frequency (MHz)</b>				<b>1717.5</b>	<b>1732.5</b>	<b>1747.5</b>
15	QPSK	1	0	23.46	23.87	23.85
15	QPSK	1	37	23.65	23.91	23.92
15	QPSK	1	74	23.76	23.87	23.85
15	QPSK	36	0	22.28	22.69	22.53
15	QPSK	36	18	22.34	22.59	22.65
15	QPSK	36	37	22.40	22.66	22.74
15	QPSK	75	0	22.36	22.61	22.61
15	16QAM	1	0	22.49	22.88	22.93
15	16QAM	1	37	22.79	22.89	22.90
15	16QAM	1	74	22.85	22.94	22.95
15	16QAM	36	0	21.29	21.61	21.54
15	16QAM	36	18	21.37	21.64	21.60
15	16QAM	36	37	21.47	21.63	21.65
15	16QAM	75	0	21.29	21.54	21.52



BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
<b>Channel</b>				<b>20000</b>	<b>20175</b>	<b>20350</b>
<b>Frequency (MHz)</b>				<b>1715</b>	<b>1732.5</b>	<b>1750</b>
10	QPSK	1	0	23.42	23.84	23.88
10	QPSK	1	24	23.69	23.83	23.80
10	QPSK	1	49	23.71	23.95	23.82
10	QPSK	25	0	22.51	22.74	22.81
10	QPSK	25	12	22.54	22.73	22.73
10	QPSK	25	24	22.56	22.76	22.76
10	QPSK	50	0	22.21	22.55	22.56
10	16QAM	1	0	22.55	22.94	22.96
10	16QAM	1	24	22.70	22.90	22.99
10	16QAM	1	49	22.71	23.04	22.97
10	16QAM	25	0	21.51	21.71	21.73
10	16QAM	25	12	21.64	21.71	21.70
10	16QAM	25	24	21.55	21.69	21.69
10	16QAM	50	0	21.16	21.50	21.51
<b>Channel</b>				<b>19975</b>	<b>20175</b>	<b>20375</b>
<b>Frequency (MHz)</b>				<b>1712.5</b>	<b>1732.5</b>	<b>1752.5</b>
5	QPSK	1	0	23.45	23.80	23.84
5	QPSK	1	12	23.62	23.83	23.87
5	QPSK	1	24	23.67	23.85	23.78
5	QPSK	12	0	22.45	22.86	22.92
5	QPSK	12	6	22.61	22.94	22.95
5	QPSK	12	11	22.64	22.92	22.98
5	QPSK	25	0	22.43	22.72	22.65
5	16QAM	1	0	22.51	22.89	22.91
5	16QAM	1	12	22.67	22.94	23.00
5	16QAM	1	24	22.66	22.95	22.90
5	16QAM	12	0	21.51	21.91	21.97
5	16QAM	12	6	21.66	21.90	21.89
5	16QAM	12	11	21.60	21.95	22.02
5	16QAM	25	0	21.40	21.69	21.70



BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
<b>Channel</b>				<b>19965</b>	<b>20175</b>	<b>20385</b>
<b>Frequency (MHz)</b>				<b>1711.5</b>	<b>1732.5</b>	<b>1753.5</b>
3	QPSK	1	0	23.52	23.91	23.86
3	QPSK	1	7	23.60	23.91	23.85
3	QPSK	1	14	23.66	24.12	23.83
3	QPSK	8	0	22.55	22.87	22.95
3	QPSK	8	4	22.53	22.91	22.96
3	QPSK	8	7	22.66	22.92	22.97
3	QPSK	15	0	22.41	22.83	22.87
3	16QAM	1	0	22.50	22.92	22.92
3	16QAM	1	7	22.61	22.92	23.01
3	16QAM	1	14	22.59	22.93	22.96
3	16QAM	8	0	21.51	21.87	21.87
3	16QAM	8	4	21.51	21.84	21.95
3	16QAM	8	7	21.50	21.89	21.91
3	16QAM	15	0	21.46	21.88	21.85
<b>Channel</b>				<b>19957</b>	<b>20175</b>	<b>20393</b>
<b>Frequency (MHz)</b>				<b>1710.7</b>	<b>1732.5</b>	<b>1754.3</b>
1.4	QPSK	1	0	23.51	23.86	23.90
1.4	QPSK	1	2	23.57	23.92	23.88
1.4	QPSK	1	5	23.56	23.80	23.83
1.4	QPSK	3	0	23.50	23.89	23.90
1.4	QPSK	3	1	23.51	23.85	23.87
1.4	QPSK	3	2	23.51	23.88	23.81
1.4	QPSK	6	0	22.51	22.89	23.02
1.4	16QAM	1	0	22.51	22.85	22.88
1.4	16QAM	1	2	22.51	22.83	23.01
1.4	16QAM	1	5	22.51	22.83	22.95
1.4	16QAM	3	0	22.55	23.01	23.05
1.4	16QAM	3	1	22.50	22.79	23.03
1.4	16QAM	3	2	22.50	22.92	23.05
1.4	16QAM	6	0	21.56	21.90	22.00



<LTE Band 17 Conducted Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
<b>Channel</b>				<b>23780</b>	<b>23790</b>	<b>23800</b>
<b>Frequency (MHz)</b>				<b>709</b>	<b>710</b>	<b>711</b>
10	QPSK	1	0	23.30	23.22	23.37
10	QPSK	1	24	23.40	23.53	23.53
10	QPSK	1	49	23.45	23.30	22.94
10	QPSK	25	0	22.21	22.36	22.36
10	QPSK	25	12	22.42	22.36	22.39
10	QPSK	25	24	22.38	22.36	22.30
10	QPSK	50	0	22.22	22.27	22.20
10	16QAM	1	0	22.53	22.50	22.58
10	16QAM	1	24	22.64	22.77	22.66
10	16QAM	1	49	22.66	22.54	22.13
10	16QAM	25	0	21.28	21.36	21.29
10	16QAM	25	12	21.40	21.37	21.40
10	16QAM	25	24	21.39	21.38	21.31
10	16QAM	50	0	21.20	21.22	21.20
<b>Channel</b>				<b>23755</b>	<b>23790</b>	<b>23825</b>
<b>Frequency (MHz)</b>				<b>706.5</b>	<b>710</b>	<b>713.5</b>
5	QPSK	1	0	23.30	23.43	23.48
5	QPSK	1	12	23.33	23.49	23.30
5	QPSK	1	24	23.38	23.58	23.12
5	QPSK	12	0	22.43	22.41	22.49
5	QPSK	12	6	22.48	22.59	22.38
5	QPSK	12	11	22.44	22.68	22.20
5	QPSK	25	0	22.42	22.37	22.10
5	16QAM	1	0	22.51	22.61	22.61
5	16QAM	1	12	22.60	22.68	22.51
5	16QAM	1	24	22.53	22.73	21.97
5	16QAM	12	0	21.48	21.57	21.53
5	16QAM	12	6	21.54	21.65	21.44
5	16QAM	12	11	21.57	21.67	21.29
5	16QAM	25	0	21.32	21.38	21.12

Note: maximum average power for LTE.



<EUT without Adapter>

<LTE Band 5 Conducted Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
<b>Channel</b>				<b>20450</b>	<b>20525</b>	<b>20600</b>
<b>Frequency (MHz)</b>				<b>829</b>	<b>836.5</b>	<b>844</b>
10	QPSK	1	0	23.83	23.50	23.50
10	QPSK	1	24	23.70	23.65	23.42
10	QPSK	1	49	23.66	23.55	23.49
10	QPSK	25	0	22.64	22.51	22.30
10	QPSK	25	12	22.48	22.57	22.27
10	QPSK	25	24	22.21	22.47	22.24
10	QPSK	50	0	22.31	22.35	22.21
10	16QAM	1	0	22.86	22.50	22.63
10	16QAM	1	24	22.75	22.75	22.41
10	16QAM	1	49	22.68	22.64	22.54
10	16QAM	25	0	21.71	21.50	21.38
10	16QAM	25	12	21.55	21.60	21.31
10	16QAM	25	24	21.32	21.56	21.29
10	16QAM	50	0	21.37	21.25	21.21
<b>Channel</b>				<b>20425</b>	<b>20525</b>	<b>20625</b>
<b>Frequency (MHz)</b>				<b>826.5</b>	<b>836.5</b>	<b>846.5</b>
5	QPSK	1	0	23.85	23.60	23.27
5	QPSK	1	12	23.77	23.61	23.37
5	QPSK	1	24	23.68	23.73	23.43
5	QPSK	12	0	22.81	22.70	22.24
5	QPSK	12	6	22.73	22.62	22.51
5	QPSK	12	11	22.74	22.73	22.36
5	QPSK	25	0	22.61	22.58	22.21
5	16QAM	1	0	22.93	22.72	22.30
5	16QAM	1	12	22.84	22.65	22.43
5	16QAM	1	24	22.67	22.74	22.48
5	16QAM	12	0	21.92	21.73	21.33
5	16QAM	12	6	21.83	21.76	21.45
5	16QAM	12	11	21.83	21.74	21.52
5	16QAM	25	0	21.57	21.54	21.24





BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
<b>Channel</b>				<b>20415</b>	<b>20525</b>	<b>20635</b>
<b>Frequency (MHz)</b>				<b>825.5</b>	<b>836.5</b>	<b>847.5</b>
3	QPSK	1	0	23.93	23.66	23.35
3	QPSK	1	7	23.81	23.66	23.43
3	QPSK	1	14	23.77	23.66	23.41
3	QPSK	8	0	22.93	22.76	22.45
3	QPSK	8	4	22.87	22.70	22.50
3	QPSK	8	7	22.77	22.67	22.57
3	QPSK	15	0	22.85	22.60	22.32
3	16QAM	1	0	22.89	22.78	22.51
3	16QAM	1	7	22.91	22.72	22.54
3	16QAM	1	14	22.83	22.69	22.52
3	16QAM	8	0	21.92	21.65	21.31
3	16QAM	8	4	21.83	21.65	21.52
3	16QAM	8	7	21.76	21.76	21.51
3	16QAM	15	0	21.79	21.64	21.36
<b>Channel</b>				<b>20407</b>	<b>20525</b>	<b>20643</b>
<b>Frequency (MHz)</b>				<b>824.7</b>	<b>836.5</b>	<b>848.3</b>
1.4	QPSK	1	0	23.89	23.66	23.52
1.4	QPSK	1	2	23.89	23.72	23.53
1.4	QPSK	1	5	23.87	23.64	23.52
1.4	QPSK	3	0	23.96	23.68	23.47
1.4	QPSK	3	1	23.92	23.66	23.55
1.4	QPSK	3	2	23.90	23.59	23.49
1.4	QPSK	6	0	22.95	22.77	22.59
1.4	16QAM	1	0	22.97	22.64	22.49
1.4	16QAM	1	2	22.92	22.76	22.53
1.4	16QAM	1	5	23.00	22.60	22.49
1.4	16QAM	3	0	22.93	22.78	22.52
1.4	16QAM	3	1	22.98	22.72	22.61
1.4	16QAM	3	2	22.97	22.69	22.63
1.4	16QAM	6	0	21.99	21.81	21.57



<LTE Band 2 Conducted Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
<b>Channel</b>				<b>18700</b>	<b>18900</b>	<b>19100</b>
<b>Frequency (MHz)</b>				<b>1860</b>	<b>1880</b>	<b>1900</b>
20	QPSK	1	0	24.01	23.98	23.72
20	QPSK	1	49	24.01	23.69	23.72
20	QPSK	1	99	23.89	23.71	23.40
20	QPSK	50	0	22.70	22.55	22.64
20	QPSK	50	24	22.52	22.45	22.51
20	QPSK	50	49	22.55	22.26	22.44
20	QPSK	100	0	22.76	22.49	22.67
20	16QAM	1	0	23.15	23.05	22.89
20	16QAM	1	49	23.05	22.72	22.89
20	16QAM	1	99	22.89	22.65	22.51
20	16QAM	50	0	21.52	21.47	21.55
20	16QAM	50	24	21.60	21.50	21.47
20	16QAM	50	49	21.52	21.34	21.43
20	16QAM	100	0	21.63	21.55	21.53
<b>Channel</b>				<b>18675</b>	<b>18900</b>	<b>19125</b>
<b>Frequency (MHz)</b>				<b>1857.5</b>	<b>1880</b>	<b>1902.5</b>
15	QPSK	1	0	23.99	23.86	23.86
15	QPSK	1	37	24.00	23.78	23.79
15	QPSK	1	74	23.86	23.77	23.69
15	QPSK	36	0	22.57	22.52	22.58
15	QPSK	36	18	22.67	22.50	22.47
15	QPSK	36	37	22.61	22.40	22.49
15	QPSK	75	0	22.52	22.44	22.50
15	16QAM	1	0	22.99	22.88	22.87
15	16QAM	1	37	22.80	22.70	22.76
15	16QAM	1	74	23.02	22.64	22.44
15	16QAM	36	0	21.58	21.47	21.58
15	16QAM	36	18	21.56	21.53	21.51
15	16QAM	36	37	21.51	21.44	21.40
15	16QAM	75	0	21.55	21.44	21.49



BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
<b>Channel</b>				<b>18650</b>	<b>18900</b>	<b>19150</b>
<b>Frequency (MHz)</b>				<b>1855</b>	<b>1880</b>	<b>1905</b>
10	QPSK	1	0	23.88	23.66	23.76
10	QPSK	1	24	24.11	23.69	23.61
10	QPSK	1	49	24.01	23.73	23.69
10	QPSK	25	0	22.89	22.53	22.68
10	QPSK	25	12	22.63	22.50	22.64
10	QPSK	25	24	22.73	22.59	22.37
10	QPSK	50	0	22.49	22.36	22.31
10	16QAM	1	0	22.91	22.80	22.87
10	16QAM	1	24	22.92	22.76	22.80
10	16QAM	1	49	23.00	22.69	22.39
10	16QAM	25	0	21.83	21.58	21.68
10	16QAM	25	12	21.57	21.58	21.59
10	16QAM	25	24	21.69	21.59	21.47
10	16QAM	50	0	21.46	21.41	21.31
<b>Channel</b>				<b>18625</b>	<b>18900</b>	<b>19175</b>
<b>Frequency (MHz)</b>				<b>1852.5</b>	<b>1880</b>	<b>1907.5</b>
5	QPSK	1	0	23.62	23.78	23.73
5	QPSK	1	12	23.95	23.76	23.64
5	QPSK	1	24	23.82	23.75	23.32
5	QPSK	12	0	22.86	22.88	22.81
5	QPSK	12	6	22.96	22.77	22.76
5	QPSK	12	11	22.77	22.72	22.71
5	QPSK	25	0	22.77	22.53	22.51
5	16QAM	1	0	22.60	22.80	22.96
5	16QAM	1	12	22.88	22.65	22.62
5	16QAM	1	24	22.86	22.80	22.48
5	16QAM	12	0	22.01	21.90	21.92
5	16QAM	12	6	22.04	21.86	21.75
5	16QAM	12	11	21.94	21.88	21.59
5	16QAM	25	0	21.78	21.68	21.53



BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
<b>Channel</b>				<b>18615</b>	<b>18900</b>	<b>19185</b>
<b>Frequency (MHz)</b>				<b>1851.5</b>	<b>1880</b>	<b>1908.5</b>
3	QPSK	1	0	23.77	23.77	23.72
3	QPSK	1	7	23.89	23.77	23.40
3	QPSK	1	14	23.74	23.94	23.41
3	QPSK	8	0	22.93	22.82	22.69
3	QPSK	8	4	23.06	22.89	22.60
3	QPSK	8	7	22.99	22.81	22.53
3	QPSK	15	0	22.85	22.77	22.50
3	16QAM	1	0	22.49	22.73	22.74
3	16QAM	1	7	22.92	22.72	22.68
3	16QAM	1	14	22.75	22.90	22.47
3	16QAM	8	0	21.90	21.83	21.68
3	16QAM	8	4	21.93	21.83	21.55
3	16QAM	8	7	22.04	21.83	21.41
3	16QAM	15	0	21.93	21.78	21.59
<b>Channel</b>				<b>18607</b>	<b>18900</b>	<b>19193</b>
<b>Frequency (MHz)</b>				<b>1850.7</b>	<b>1880</b>	<b>1909.3</b>
1.4	QPSK	1	0	23.88	23.80	23.56
1.4	QPSK	1	2	23.92	23.82	23.43
1.4	QPSK	1	5	24.06	23.86	23.44
1.4	QPSK	3	0	23.84	23.74	23.53
1.4	QPSK	3	1	24.03	23.76	23.51
1.4	QPSK	3	2	23.95	23.78	23.60
1.4	QPSK	6	0	22.93	22.78	22.53
1.4	16QAM	1	0	22.70	22.72	22.39
1.4	16QAM	1	2	22.94	22.71	22.39
1.4	16QAM	1	5	22.85	22.82	22.50
1.4	16QAM	3	0	23.06	22.84	22.59
1.4	16QAM	3	1	23.16	22.76	22.45
1.4	16QAM	3	2	23.18	22.75	22.42
1.4	16QAM	6	0	21.96	21.86	21.56



<LTE Band 4 Conducted Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
<b>Channel</b>				<b>20050</b>	<b>20175</b>	<b>20300</b>
<b>Frequency (MHz)</b>				<b>1720</b>	<b>1732.5</b>	<b>1745</b>
20	QPSK	1	0	23.48	23.87	24.05
20	QPSK	1	49	23.71	23.83	23.66
20	QPSK	1	99	23.72	23.64	23.86
20	QPSK	50	0	22.27	22.55	22.55
20	QPSK	50	24	22.43	22.57	22.50
20	QPSK	50	49	22.26	22.52	22.54
20	QPSK	100	0	22.26	22.71	22.57
20	16QAM	1	0	22.54	22.91	23.03
20	16QAM	1	49	22.73	22.81	22.89
20	16QAM	1	99	22.81	22.72	22.98
20	16QAM	50	0	21.23	21.49	21.45
20	16QAM	50	24	21.34	21.42	21.43
20	16QAM	50	49	21.36	21.37	21.47
20	16QAM	100	0	21.32	21.44	21.47
<b>Channel</b>				<b>20025</b>	<b>20175</b>	<b>20325</b>
<b>Frequency (MHz)</b>				<b>1717.5</b>	<b>1732.5</b>	<b>1747.5</b>
15	QPSK	1	0	23.37	23.84	23.77
15	QPSK	1	37	23.64	23.84	23.90
15	QPSK	1	74	23.67	23.82	23.84
15	QPSK	36	0	22.20	22.69	22.46
15	QPSK	36	18	22.28	22.54	22.56
15	QPSK	36	37	22.40	22.63	22.65
15	QPSK	75	0	22.36	22.51	22.55
15	16QAM	1	0	22.43	22.88	22.88
15	16QAM	1	37	22.76	22.86	22.89
15	16QAM	1	74	22.81	22.85	22.86
15	16QAM	36	0	21.26	21.51	21.46
15	16QAM	36	18	21.27	21.57	21.51
15	16QAM	36	37	21.45	21.59	21.62
15	16QAM	75	0	21.25	21.49	21.50



BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
<b>Channel</b>				<b>20000</b>	<b>20175</b>	<b>20350</b>
<b>Frequency (MHz)</b>				<b>1715</b>	<b>1732.5</b>	<b>1750</b>
10	QPSK	1	0	23.34	23.78	23.81
10	QPSK	1	24	23.60	23.83	23.80
10	QPSK	1	49	23.62	23.91	23.73
10	QPSK	25	0	22.48	22.73	22.81
10	QPSK	25	12	22.54	22.68	22.66
10	QPSK	25	24	22.54	22.66	22.68
10	QPSK	50	0	22.16	22.47	22.50
10	16QAM	1	0	22.53	22.94	22.90
10	16QAM	1	24	22.63	22.90	22.95
10	16QAM	1	49	22.61	22.98	22.97
10	16QAM	25	0	21.50	21.62	21.69
10	16QAM	25	12	21.63	21.65	21.60
10	16QAM	25	24	21.53	21.68	21.60
10	16QAM	50	0	21.10	21.46	21.49
<b>Channel</b>				<b>19975</b>	<b>20175</b>	<b>20375</b>
<b>Frequency (MHz)</b>				<b>1712.5</b>	<b>1732.5</b>	<b>1752.5</b>
5	QPSK	1	0	23.35	23.70	23.84
5	QPSK	1	12	23.58	23.83	23.77
5	QPSK	1	24	23.62	23.83	23.71
5	QPSK	12	0	22.36	22.78	22.83
5	QPSK	12	6	22.51	22.93	22.89
5	QPSK	12	11	22.59	22.90	22.92
5	QPSK	25	0	22.37	22.66	22.60
5	16QAM	1	0	22.44	22.79	22.90
5	16QAM	1	12	22.66	22.88	22.93
5	16QAM	1	24	22.62	22.94	22.90
5	16QAM	12	0	21.48	21.86	21.95
5	16QAM	12	6	21.57	21.85	21.79
5	16QAM	12	11	21.55	21.89	21.92
5	16QAM	25	0	21.39	21.64	21.60



BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
<b>Channel</b>				<b>19965</b>	<b>20175</b>	<b>20385</b>
<b>Frequency (MHz)</b>				<b>1711.5</b>	<b>1732.5</b>	<b>1753.5</b>
3	QPSK	1	0	23.47	23.84	23.76
3	QPSK	1	7	23.53	23.81	23.78
3	QPSK	1	14	23.59	24.02	23.81
3	QPSK	8	0	22.51	22.82	22.90
3	QPSK	8	4	22.47	22.88	22.94
3	QPSK	8	7	22.63	22.83	22.87
3	QPSK	15	0	22.35	22.76	22.81
3	16QAM	1	0	22.40	22.90	22.89
3	16QAM	1	7	22.55	22.86	22.93
3	16QAM	1	14	22.52	22.93	22.88
3	16QAM	8	0	21.50	21.81	21.80
3	16QAM	8	4	21.41	21.81	21.89
3	16QAM	8	7	21.48	21.87	21.87
3	16QAM	15	0	21.45	21.86	21.76
<b>Channel</b>				<b>19957</b>	<b>20175</b>	<b>20393</b>
<b>Frequency (MHz)</b>				<b>1710.7</b>	<b>1732.5</b>	<b>1754.3</b>
1.4	QPSK	1	0	23.42	23.86	23.84
1.4	QPSK	1	2	23.56	23.84	23.84
1.4	QPSK	1	5	23.46	23.72	23.79
1.4	QPSK	3	0	23.47	23.80	23.87
1.4	QPSK	3	1	23.45	23.82	23.81
1.4	QPSK	3	2	23.43	23.82	23.72
1.4	QPSK	6	0	22.51	22.81	22.97
1.4	16QAM	1	0	22.43	22.82	22.82
1.4	16QAM	1	2	22.46	22.78	22.93
1.4	16QAM	1	5	22.48	22.74	22.93
1.4	16QAM	3	0	22.53	22.98	23.04
1.4	16QAM	3	1	22.40	22.70	22.95
1.4	16QAM	3	2	22.45	22.85	23.00
1.4	16QAM	6	0	21.49	21.84	21.93



<LTE Band 17 Conducted Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
<b>Channel</b>				<b>23780</b>	<b>23790</b>	<b>23800</b>
<b>Frequency (MHz)</b>				<b>709</b>	<b>710</b>	<b>711</b>
10	QPSK	1	0	23.27	23.21	23.36
10	QPSK	1	24	23.34	23.48	23.44
10	QPSK	1	49	23.44	23.21	22.90
10	QPSK	25	0	22.13	22.31	22.28
10	QPSK	25	12	22.35	22.33	22.38
10	QPSK	25	24	22.32	22.31	22.29
10	QPSK	50	0	22.14	22.23	22.20
10	16QAM	1	0	22.44	22.49	22.53
10	16QAM	1	24	22.63	22.77	22.63
10	16QAM	1	49	22.57	22.53	22.06
10	16QAM	25	0	21.18	21.35	21.26
10	16QAM	25	12	21.36	21.30	21.32
10	16QAM	25	24	21.33	21.29	21.22
10	16QAM	50	0	21.16	21.14	21.10
<b>Channel</b>				<b>23755</b>	<b>23790</b>	<b>23825</b>
<b>Frequency (MHz)</b>				<b>706.5</b>	<b>710</b>	<b>713.5</b>
5	QPSK	1	0	23.24	23.37	23.44
5	QPSK	1	12	23.27	23.49	23.20
5	QPSK	1	24	23.32	23.51	23.11
5	QPSK	12	0	22.38	22.37	22.44
5	QPSK	12	6	22.46	22.54	22.28
5	QPSK	12	11	22.40	22.65	22.11
5	QPSK	25	0	22.34	22.34	22.06
5	16QAM	1	0	22.49	22.53	22.54
5	16QAM	1	12	22.60	22.62	22.49
5	16QAM	1	24	22.46	22.71	21.96
5	16QAM	12	0	21.41	21.53	21.52
5	16QAM	12	6	21.50	21.58	21.44
5	16QAM	12	11	21.55	21.60	21.22
5	16QAM	25	0	21.26	21.31	21.12

Note: maximum average power for LTE.



3.1.6 Test Result of Conducted Output Power and ERP/EIRP

<EUT with Adapter>

<LTE Band 5>

Cellular Band (G <sub>T</sub> - L <sub>C</sub> = -0.08 dB)						
Modes	LTE Band 5 (QPSK, BW=1.4M)			LTE Band 5 (16QAM, BW=1.4M)		
Channel	20407 (Low)	20525 (Mid)	20643 (High)	20407 (Low)	20525 (Mid)	20643 (High)
Frequency (MHz)	824.7	836.5	848.3	824.7	836.5	848.3
Conducted Power (dBm)	23.98	23.73	23.57	23.03	22.82	22.63
Conducted Power (Watts)	0.25	0.24	0.23	0.20	0.19	0.18
ERP(dBm)	21.75	21.50	21.34	20.80	20.59	20.40
ERP(Watts)	0.1496	0.1413	0.1361	0.1202	0.1146	0.1096

Cellular Band (G <sub>T</sub> - L <sub>C</sub> = -0.08 dB)						
Modes	LTE Band 5 (QPSK, BW=3M)			LTE Band 5 (16QAM, BW=3M)		
Channel	20415 (Low)	20525 (Mid)	20635 (High)	20415 (Low)	20525 (Mid)	20635 (High)
Frequency (MHz)	825.5	836.5	847.5	825.5	836.5	847.5
Conducted Power (dBm)	23.96	23.74	23.50	22.98	22.79	22.61
Conducted Power (Watts)	0.25	0.24	0.22	0.20	0.19	0.18
ERP(dBm)	21.73	21.51	21.27	20.75	20.56	20.38
ERP(Watts)	0.1489	0.1416	0.1340	0.1189	0.1138	0.1091

Cellular Band (G <sub>T</sub> - L <sub>C</sub> = -0.08 dB)						
Modes	LTE Band 5 (QPSK, BW=5M)			LTE Band 5 (16QAM, BW=5M)		
Channel	20425 (Low)	20525 (Mid)	20625 (High)	20425 (Low)	20525 (Mid)	20625 (High)
Frequency (MHz)	826.5	836.5	846.5	826.5	836.5	846.5
Conducted Power (dBm)	23.94	23.76	23.51	22.98	22.82	22.56
Conducted Power (Watts)	0.25	0.24	0.22	0.20	0.19	0.18
ERP(dBm)	21.71	21.53	21.28	20.75	20.59	20.33
ERP(Watts)	0.1483	0.1422	0.1343	0.1189	0.1146	0.1079



Cellular Band ( $G_T - L_C = -0.08$ dB)						
Modes	LTE Band 5 (QPSK, BW=10M)			LTE Band 5 (16QAM, BW=10M)		
Channel	20450 (Low)	20525 (Mid)	20600 (High)	20450 (Low)	20525 (Mid)	20600 (High)
Frequency (MHz)	829	836.5	844	829	836.5	844
Conducted Power (dBm)	23.88	23.75	23.60	22.94	22.82	22.64
Conducted Power (Watts)	0.24	0.24	0.23	0.20	0.19	0.18
ERP(dBm)	21.65	21.52	21.37	20.71	20.59	20.41
ERP(Watts)	0.1462	0.1419	0.1371	0.1178	0.1146	0.1099



<LTE Band 2>

PCS Band ( $G_T - L_C = 1.95$ dB)						
Modes	LTE Band 2 (QPSK, BW=1.4M)			LTE Band 2 (16QAM, BW=1.4M)		
Channel	18607(Low)	18900 (Mid)	19193 (High)	18607(Low)	18900 (Mid)	19193 (High)
Frequency (MHz)	1850.7	1880	1909.3	1850.7	1880	1909.3
Conducted Power (dBm)	24.14	23.88	23.65	23.23	22.84	22.60
Conducted Power (Watts)	0.26	0.24	0.23	0.21	0.19	0.18
EIRP(dBm)	26.09	25.83	25.60	25.18	24.79	24.55
EIRP(Watts)	0.4064	0.3828	0.3631	0.3296	0.3013	0.2851

PCS Band ( $G_T - L_C = 1.95$ dB)						
Modes	LTE Band 2 (QPSK, BW=3M)			LTE Band 2 (16QAM, BW=3M)		
Channel	18615(Low)	18900 (Mid)	19185 (High)	18615(Low)	18900 (Mid)	19185 (High)
Frequency (MHz)	1851.5	1880	1908.5	1851.5	1880	1908.5
Conducted Power (dBm)	23.94	23.94	23.81	23.01	22.93	22.79
Conducted Power (Watts)	0.25	0.25	0.24	0.20	0.20	0.19
EIRP(dBm)	25.89	25.89	25.76	24.96	24.88	24.74
EIRP(Watts)	0.3882	0.3882	0.3767	0.3133	0.3076	0.2979

PCS Band ( $G_T - L_C = 1.95$ dB)						
Modes	LTE Band 2 (QPSK, BW=5M)			LTE Band 2 (16QAM, BW=5M)		
Channel	18625(Low)	18900 (Mid)	19175 (High)	18625(Low)	18900 (Mid)	19175 (High)
Frequency (MHz)	1852.5	1880	1907.5	1852.5	1880	1907.5
Conducted Power (dBm)	23.95	23.88	23.83	22.96	22.87	23.00
Conducted Power (Watts)	0.25	0.24	0.24	0.20	0.19	0.20
EIRP(dBm)	25.90	25.83	25.78	24.91	24.82	24.95
EIRP(Watts)	0.3890	0.3828	0.3784	0.3097	0.3034	0.3126



PCS Band ( $G_T - L_C = 1.95$ dB)						
Modes	LTE Band 2 (QPSK, BW=10M)			LTE Band 2 (16QAM, BW=10M)		
Channel	18650(Low)	18900 (Mid)	19150 (High)	18650(Low)	18900 (Mid)	19150 (High)
Frequency (MHz)	1855	1880	1905	1855	1880	1905
Conducted Power (dBm)	24.12	23.79	23.82	23.06	22.83	22.88
Conducted Power (Watts)	0.26	0.24	0.24	0.20	0.19	0.19
EIRP(dBm)	26.07	25.74	25.77	25.01	24.78	24.83
EIRP(Watts)	0.4046	0.3750	0.3776	0.3170	0.3006	0.3041

PCS Band ( $G_T - L_C = 1.95$ dB)						
Modes	LTE Band 2 (QPSK, BW=15M)			LTE Band 2 (16QAM, BW=15M)		
Channel	18675(Low)	18900 (Mid)	19125 (High)	18675(Low)	18900 (Mid)	19125 (High)
Frequency (MHz)	1857.5	1880	1902.5	1857.5	1880	1902.5
Conducted Power (dBm)	24.09	23.94	23.92	23.09	22.96	22.89
Conducted Power (Watts)	0.26	0.25	0.25	0.20	0.20	0.19
EIRP(dBm)	26.04	25.89	25.87	25.04	24.91	24.84
EIRP(Watts)	0.4018	0.3882	0.3864	0.3192	0.3097	0.3048

PCS Band ( $G_T - L_C = 1.95$ dB)						
Modes	LTE Band 2 (QPSK, BW=20M)			LTE Band 2 (16QAM, BW=20M)		
Channel	18700(Low)	18900 (Mid)	19100 (High)	18700(Low)	18900 (Mid)	19100 (High)
Frequency (MHz)	1860	1880	1900	1860	1880	1900
Conducted Power (dBm)	24.08	24.02	23.81	23.25	23.09	22.98
Conducted Power (Watts)	0.26	0.25	0.24	0.21	0.20	0.20
EIRP(dBm)	26.03	25.97	25.76	25.20	25.04	24.93
EIRP(Watts)	0.4009	0.3954	0.3767	0.3311	0.3192	0.3112

<LTE Band 4>

PCS Band ( $G_T - L_C = 2.08$ dB)						
Modes	LTE Band 4 (QPSK, BW=1.4M)			LTE Band 4 (16QAM, BW=1.4M)		
Channel	19957 (Low)	20175 (Mid)	20393 (High)	19957 (Low)	20175 (Mid)	20393 (High)
Frequency (MHz)	1710.7	1732.5	1754.3	1710.7	1732.5	1754.3
Conducted Power (dBm)	23.57	23.92	23.90	22.55	23.01	23.05
Conducted Power (Watts)	0.23	0.25	0.25	0.18	0.20	0.20
EIRP(dBm)	25.65	26.00	25.98	24.63	25.09	25.13
EIRP(Watts)	0.3673	0.3981	0.3963	0.2904	0.3228	0.3258

PCS Band ( $G_T - L_C = 2.08$ dB)						
Modes	LTE Band 4 (QPSK, BW=3M)			LTE Band 4 (16QAM, BW=3M)		
Channel	19965(Low)	20175 (Mid)	20385 (High)	19965(Low)	20175 (Mid)	20385 (High)
Frequency (MHz)	1711.5	1732.5	1753.5	1711.5	1732.5	1753.5
Conducted Power (dBm)	23.66	24.12	23.86	22.61	22.93	23.01
Conducted Power (Watts)	0.23	0.26	0.24	0.18	0.20	0.20
EIRP(dBm)	25.74	26.20	25.94	24.69	25.01	25.09
EIRP(Watts)	0.3750	0.4169	0.3926	0.2944	0.3170	0.3228

PCS Band ( $G_T - L_C = 2.08$ dB)						
Modes	LTE Band 4 (QPSK, BW=5M)			LTE Band 4 (16QAM, BW=5M)		
Channel	19975(Low)	20175 (Mid)	20375 (High)	19975(Low)	20175 (Mid)	20375 (High)
Frequency (MHz)	1712.5	1732.5	1752.5	1712.5	1732.5	1752.5
Conducted Power (dBm)	23.67	23.85	23.87	22.67	22.95	23.00
Conducted Power (Watts)	0.23	0.24	0.24	0.18	0.20	0.20
EIRP(dBm)	25.75	25.93	25.95	24.75	25.03	25.08
EIRP(Watts)	0.3758	0.3917	0.3936	0.2985	0.3184	0.3221



PCS Band ( $G_T - L_C = 2.08$ dB)						
Modes	LTE Band 4 (QPSK, BW=10M)			LTE Band 4 (16QAM, BW=10M)		
Channel	20000 (Low)	20175 (Mid)	20350 (High)	20000 (Low)	20175 (Mid)	20350 (High)
Frequency (MHz)	1715	1732.5	1750	1715	1732.5	1750
Conducted Power (dBm)	23.71	23.95	23.88	22.71	23.04	22.99
Conducted Power (Watts)	0.23	0.25	0.24	0.19	0.20	0.20
EIRP(dBm)	25.79	26.03	25.96	24.79	25.12	25.07
EIRP(Watts)	0.3793	0.4009	0.3945	0.3013	0.3251	0.3214

PCS Band ( $G_T - L_C = 2.08$ dB)						
Modes	LTE Band 4 (QPSK, BW=15M)			LTE Band 4 (16QAM, BW=15M)		
Channel	20025 (Low)	20175 (Mid)	20325 (High)	20025 (Low)	20175 (Mid)	20325 (High)
Frequency (MHz)	1717.5	1732.5	1747.5	1717.5	1732.5	1747.5
Conducted Power (dBm)	23.76	23.91	23.92	22.85	22.94	22.95
Conducted Power (Watts)	0.24	0.25	0.25	0.19	0.20	0.20
EIRP(dBm)	25.84	25.99	26.00	24.93	25.02	25.03
EIRP(Watts)	0.3837	0.3972	0.3981	0.3112	0.3177	0.3184

PCS Band ( $G_T - L_C = 2.08$ dB)						
Modes	LTE Band 4 (QPSK, BW=20M)			LTE Band 4 (16QAM, BW=20M)		
Channel	20050 (Low)	20175 (Mid)	20300 (High)	20050 (Low)	20175 (Mid)	20300 (High)
Frequency (MHz)	1720	1732.5	1745	1720	1732.5	1745
Conducted Power (dBm)	23.72	23.89	24.11	22.87	22.96	23.09
Conducted Power (Watts)	0.24	0.24	0.26	0.19	0.20	0.20
EIRP(dBm)	25.80	25.97	26.19	24.95	25.04	25.17
EIRP(Watts)	0.3802	0.3954	0.4159	0.3126	0.3192	0.3289



<LTE Band 17>

Cellular Band ( $G_T - L_C = -0.85$ dB)						
Modes	LTE Band 17 (QPSK, BW=5M)			LTE Band 17 (16QAM, BW=5M)		
Channel	23755(Low)	23790 (Mid)	23825 (High)	23755(Low)	23790 (Mid)	23825 (High)
Frequency (MHz)	706.5	710	713.5	706.5	710	713.5
Conducted Power (dBm)	23.38	23.58	23.48	22.60	22.73	22.61
Conducted Power (Watts)	0.22	0.23	0.22	0.18	0.19	0.18
ERP(dBm)	20.38	20.58	20.48	19.60	19.73	19.61
ERP(Watts)	0.1091	0.1143	0.1117	0.0912	0.0940	0.0914

Cellular Band ( $G_T - L_C = -0.85$ dB)						
Modes	LTE Band 17 (QPSK, BW=10M)			LTE Band 17 (16QAM, BW=10M)		
Channel	23780(Low)	23790 (Mid)	23800 (High)	23780(Low)	23790 (Mid)	23800 (High)
Frequency (MHz)	709	710	711	709	710	711
Conducted Power (dBm)	23.45	23.53	23.53	22.66	22.77	22.66
Conducted Power (Watts)	0.22	0.23	0.23	0.18	0.19	0.18
ERP(dBm)	20.45	20.53	20.53	19.66	19.77	19.66
ERP(Watts)	0.1109	0.1130	0.1130	0.0925	0.0948	0.0925



<EUT without Adapter>

<LTE Band 5>

Cellular Band (G <sub>T</sub> - L <sub>C</sub> = -0.08 dB)						
Modes	LTE Band 5 (QPSK,BW=1.4M)			LTE Band 5 (16QAM,BW=1.4M)		
Channel	20407 (Low)	20525 (Mid)	20643 (High)	20407 (Low)	20525 (Mid)	20643 (High)
Frequency (MHz)	824.7	836.5	848.3	824.7	836.5	848.3
Conducted Power (dBm)	23.96	23.72	23.55	23.00	22.78	22.63
Conducted Power (Watts)	0.25	0.24	0.23	0.20	0.19	0.18
ERP(dBm)	21.73	21.49	21.32	20.77	20.55	20.40
ERP(Watts)	0.1489	0.1409	0.1355	0.1194	0.1135	0.1096

Cellular Band (G <sub>T</sub> - L <sub>C</sub> = -0.08 dB)						
Modes	LTE Band 5 (QPSK,BW=3M)			LTE Band 5 (16QAM,BW=3M)		
Channel	20415 (Low)	20525 (Mid)	20635 (High)	20415 (Low)	20525 (Mid)	20635 (High)
Frequency (MHz)	825.5	836.5	847.5	825.5	836.5	847.5
Conducted Power (dBm)	23.93	23.66	23.43	22.91	22.78	22.54
Conducted Power (Watts)	0.25	0.23	0.22	0.20	0.19	0.18
ERP(dBm)	21.70	21.43	21.20	20.68	20.55	20.31
ERP(Watts)	0.1479	0.1390	0.1318	0.1169	0.1135	0.1074

Cellular Band (G <sub>T</sub> - L <sub>C</sub> = -0.08 dB)						
Modes	LTE Band 5 (QPSK,BW=5M)			LTE Band 5 (16QAM,BW=5M)		
Channel	20425 (Low)	20525 (Mid)	20625 (High)	20425 (Low)	20525 (Mid)	20625 (High)
Frequency (MHz)	826.5	836.5	846.5	826.5	836.5	846.5
Conducted Power (dBm)	23.85	23.73	23.43	22.93	22.74	22.48
Conducted Power (Watts)	0.24	0.24	0.22	0.20	0.19	0.18
ERP(dBm)	21.62	21.50	21.20	20.70	20.51	20.25
ERP(Watts)	0.1452	0.1413	0.1318	0.1175	0.1125	0.1059





Cellular Band ( $G_T - L_C = -0.08$ dB)						
Modes	LTE Band 5 (QPSK, BW=10M)			LTE Band 5 (16QAM, BW=10M)		
Channel	20450 (Low)	20525 (Mid)	20600 (High)	20450 (Low)	20525 (Mid)	20600 (High)
Frequency (MHz)	829	836.5	844	829	836.5	844
Conducted Power (dBm)	23.83	23.65	23.50	22.86	22.75	22.63
Conducted Power (Watts)	0.24	0.23	0.22	0.19	0.19	0.18
ERP(dBm)	21.60	21.42	21.27	20.63	20.52	20.40
ERP(Watts)	0.1445	0.1387	0.1340	0.1156	0.1127	0.1096

<LTE Band 2>

PCS Band ( $G_T - L_C = 1.95$ dB)						
Modes	LTE Band 2 (QPSK, BW=1.4M)			LTE Band 2 (16QAM, BW=1.4M)		
Channel	18607(Low)	18900 (Mid)	19193 (High)	18607(Low)	18900 (Mid)	19193 (High)
Frequency (MHz)	1850.7	1880	1909.3	1850.7	1880	1909.3
Conducted Power (dBm)	24.06	23.86	23.60	23.18	22.84	22.59
Conducted Power (Watts)	0.25	0.24	0.23	0.21	0.19	0.18
EIRP(dBm)	26.01	25.81	25.55	25.13	24.79	24.54
EIRP(Watts)	0.3990	0.3811	0.3589	0.3258	0.3013	0.2844

PCS Band ( $G_T - L_C = 1.95$ dB)						
Modes	LTE Band 2 (QPSK, BW=3M)			LTE Band 2 (16QAM, BW=3M)		
Channel	18615(Low)	18900 (Mid)	19185 (High)	18615(Low)	18900 (Mid)	19185 (High)
Frequency (MHz)	1851.5	1880	1908.5	1851.5	1880	1908.5
Conducted Power (dBm)	23.89	23.94	23.72	22.92	22.90	22.74
Conducted Power (Watts)	0.24	0.25	0.24	0.20	0.19	0.19
EIRP(dBm)	25.84	25.89	25.67	24.87	24.85	24.69
EIRP(Watts)	0.3837	0.3882	0.3690	0.3069	0.3055	0.2944

PCS Band ( $G_T - L_C = 1.95$ dB)						
Modes	LTE Band 2 (QPSK, BW=5M)			LTE Band 2 (16QAM, BW=5M)		
Channel	18625(Low)	18900 (Mid)	19175 (High)	18625(Low)	18900 (Mid)	19175 (High)
Frequency (MHz)	1852.5	1880	1907.5	1852.5	1880	1907.5
Conducted Power (dBm)	23.95	23.78	23.73	22.88	22.80	22.96
Conducted Power (Watts)	0.25	0.24	0.24	0.19	0.19	0.20
EIRP(dBm)	25.90	25.73	25.68	24.83	24.75	24.91
EIRP(Watts)	0.3890	0.3741	0.3698	0.3041	0.2985	0.3097



PCS Band ( $G_T - L_C = 1.95$ dB)						
Modes	LTE Band 2 (QPSK, BW=10M)			LTE Band 2 (16QAM, BW=10M)		
Channel	18650(Low)	18900 (Mid)	19150 (High)	18650(Low)	18900 (Mid)	19150 (High)
Frequency (MHz)	1855	1880	1905	1855	1880	1905
Conducted Power (dBm)	24.11	23.73	23.76	23.00	22.80	22.87
Conducted Power (Watts)	0.26	0.24	0.24	0.20	0.19	0.19
EIRP(dBm)	26.06	25.68	25.71	24.95	24.75	24.82
EIRP(Watts)	0.4036	0.3698	0.3724	0.3126	0.2985	0.3034

PCS Band ( $G_T - L_C = 1.95$ dB)						
Modes	LTE Band 2 (QPSK, BW=15M)			LTE Band 2 (16QAM, BW=15M)		
Channel	18675(Low)	18900 (Mid)	19125 (High)	18675(Low)	18900 (Mid)	19125 (High)
Frequency (MHz)	1857.5	1880	1902.5	1857.5	1880	1902.5
Conducted Power (dBm)	24.00	23.86	23.86	23.02	22.88	22.87
Conducted Power (Watts)	0.25	0.24	0.24	0.20	0.19	0.19
EIRP(dBm)	25.95	25.81	25.81	24.97	24.83	24.82
EIRP(Watts)	0.3936	0.3811	0.3811	0.3141	0.3041	0.3034

PCS Band ( $G_T - L_C = 1.95$ dB)						
Modes	LTE Band 2 (QPSK, BW=20M)			LTE Band 2 (16QAM, BW=20M)		
Channel	18700(Low)	18900 (Mid)	19100 (High)	18700(Low)	18900 (Mid)	19100 (High)
Frequency (MHz)	1860	1880	1900	1860	1880	1900
Conducted Power (dBm)	24.01	23.98	23.72	23.15	23.05	22.89
Conducted Power (Watts)	0.25	0.25	0.24	0.21	0.20	0.19
EIRP(dBm)	25.96	25.93	25.67	25.10	25.00	24.84
EIRP(Watts)	0.3945	0.3917	0.3690	0.3236	0.3162	0.3048

<LTE Band 4>

PCS Band ( $G_T - L_C = 2.08$ dB)						
Modes	LTE Band 4 (QPSK, BW=1.4M)			LTE Band 4 (16QAM, BW=1.4M)		
Channel	19957 (Low)	20175 (Mid)	20393 (High)	19957 (Low)	20175 (Mid)	20393 (High)
Frequency (MHz)	1710.7	1732.5	1754.3	1710.7	1732.5	1754.3
Conducted Power (dBm)	23.56	23.86	23.87	22.53	22.98	23.04
Conducted Power (Watts)	0.23	0.24	0.24	0.18	0.20	0.20
EIRP(dBm)	25.64	25.94	25.95	24.61	25.06	25.12
EIRP(Watts)	0.3664	0.3926	0.3936	0.2891	0.3206	0.3251

PCS Band ( $G_T - L_C = 2.08$ dB)						
Modes	LTE Band 4 (QPSK, BW=3M)			LTE Band 4 (16QAM, BW=3M)		
Channel	19965(Low)	20175 (Mid)	20385 (High)	19965(Low)	20175 (Mid)	20385 (High)
Frequency (MHz)	1711.5	1732.5	1753.5	1711.5	1732.5	1753.5
Conducted Power (dBm)	23.59	24.02	23.81	22.55	22.93	22.93
Conducted Power (Watts)	0.23	0.25	0.24	0.18	0.20	0.20
EIRP(dBm)	25.67	26.10	25.89	24.63	25.01	25.01
EIRP(Watts)	0.3690	0.4074	0.3882	0.2904	0.3170	0.3170

PCS Band ( $G_T - L_C = 2.08$ dB)						
Modes	LTE Band 4 (QPSK, BW=5M)			LTE Band 4 (16QAM, BW=5M)		
Channel	19975(Low)	20175 (Mid)	20375 (High)	19975(Low)	20175 (Mid)	20375 (High)
Frequency (MHz)	1712.5	1732.5	1752.5	1712.5	1732.5	1752.5
Conducted Power (dBm)	23.62	23.83	23.84	22.66	22.94	22.93
Conducted Power (Watts)	0.23	0.24	0.24	0.18	0.20	0.20
EIRP(dBm)	25.70	25.91	25.92	24.74	25.02	25.01
EIRP(Watts)	0.3715	0.3899	0.3908	0.2979	0.3177	0.3170



PCS Band ( $G_T - L_C = 2.08$ dB)						
Modes	LTE Band 4 (QPSK, BW=10M)			LTE Band 4 (16QAM, BW=10M)		
Channel	20000 (Low)	20175 (Mid)	20350 (High)	20000 (Low)	20175 (Mid)	20350 (High)
Frequency (MHz)	1715	1732.5	1750	1715	1732.5	1750
Conducted Power (dBm)	23.62	23.91	23.81	22.63	22.98	22.97
Conducted Power (Watts)	0.23	0.25	0.24	0.18	0.20	0.20
EIRP(dBm)	25.70	25.99	25.89	24.71	25.06	25.05
EIRP(Watts)	0.3715	0.3972	0.3882	0.296	0.321	0.320

PCS Band ( $G_T - L_C = 2.08$ dB)						
Modes	LTE Band 4 (QPSK, BW=15M)			LTE Band 4 (16QAM, BW=15M)		
Channel	20025 (Low)	20175 (Mid)	20325 (High)	20025 (Low)	20175 (Mid)	20325 (High)
Frequency (MHz)	1717.5	1732.5	1747.5	1717.5	1732.5	1747.5
Conducted Power (dBm)	23.67	23.84	23.90	22.81	22.88	22.89
Conducted Power (Watts)	0.23	0.24	0.25	0.19	0.19	0.19
EIRP(dBm)	25.75	25.92	25.98	24.89	24.96	24.97
EIRP(Watts)	0.3758	0.3908	0.3963	0.3083	0.3133	0.3141

PCS Band ( $G_T - L_C = 2.08$ dB)						
Modes	LTE Band 4 (QPSK, BW=20M)			LTE Band 4 (16QAM, BW=20M)		
Channel	20050 (Low)	20175 (Mid)	20300 (High)	20050 (Low)	20175 (Mid)	20300 (High)
Frequency (MHz)	1720	1732.5	1745	1720	1732.5	1745
Conducted Power (dBm)	23.72	23.87	24.05	22.81	22.91	23.03
Conducted Power (Watts)	0.24	0.24	0.25	0.19	0.20	0.20
EIRP(dBm)	25.80	25.95	26.13	24.89	24.99	25.11
EIRP(Watts)	0.3802	0.3936	0.4102	0.3083	0.3155	0.3243



<LTE Band 17>

Cellular Band ( $G_T - L_C = -0.85$ dB)						
Modes	LTE Band 17 (QPSK,BW=5M)			LTE Band 17 (16QAM,BW=5M)		
Channel	23755(Low)	23790 (Mid)	23825 (High)	23755(Low)	23790 (Mid)	23825 (High)
Frequency (MHz)	706.5	710	713.5	706.5	710	713.5
Conducted Power (dBm)	23.32	23.51	23.44	22.60	22.71	22.54
Conducted Power (Watts)	0.21	0.22	0.22	0.18	0.19	0.18
ERP(dBm)	20.32	20.51	20.44	19.60	19.71	19.54
ERP(Watts)	0.1076	0.1125	0.1107	0.0912	0.0935	0.0899

Cellular Band ( $G_T - L_C = -0.85$ dB)						
Modes	LTE Band 17 (QPSK,BW=10M)			LTE Band 17 (16QAM,BW=10M)		
Channel	23780(Low)	23790 (Mid)	23800 (High)	23780(Low)	23790 (Mid)	23800 (High)
Frequency (MHz)	709	710	711	709	710	711
Conducted Power (dBm)	23.44	23.48	23.44	22.63	22.77	22.63
Conducted Power (Watts)	0.22	0.22	0.22	0.18	0.19	0.18
ERP(dBm)	20.44	20.48	20.44	19.63	19.77	19.63
ERP(Watts)	0.1107	0.1117	0.1107	0.0918	0.0948	0.0918

## 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.

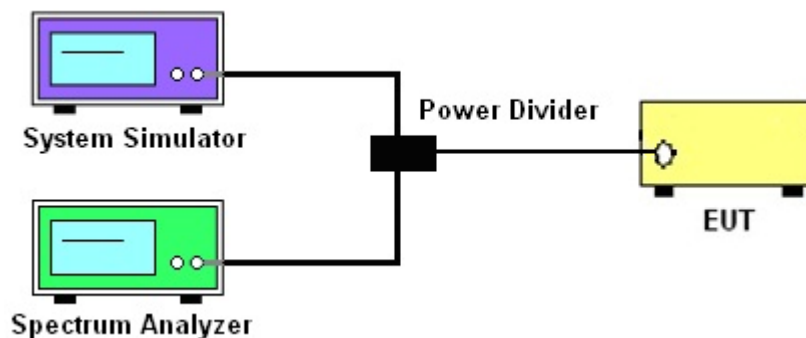
### 3.2.2 Measuring Instruments

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)	5.68	6.40	5.48	6.40
BW / Mod.	5MHz / QPSK	5MHz / 16QAM	10MHz / QPSK	10MHz / 16QAM
Peak-to-Average Ratio (dB)	5.72	6.48	5.72	6.48

Modes	LTE Band 2			
BW / Mod.	1.4MHz / QPSK	1.4MHz / 16QAM	3MHz / QPSK	3MHz / 16QAM
Peak-to-Average Ratio (dB)	5.00	5.83	5.42	6.28
BW / Mod.	5MHz / QPSK	5MHz / 16QAM	10MHz / QPSK	10MHz / 16QAM
Peak-to-Average Ratio (dB)	5.35	6.03	5.42	6.09
BW / Mod.	15MHz / QPSK	15MHz / 16QAM	20MHz / QPSK	20MHz / 16QAM
Peak-to-Average Ratio (dB)	5.26	6.03	5.38	6.12

Modes	LTE Band 4			
BW / Mod.	1.4MHz / QPSK	1.4MHz / 16QAM	3MHz / QPSK	3MHz / 16QAM
Peak-to-Average Ratio (dB)	4.90	5.74	5.32	6.22
BW / Mod.	5MHz / QPSK	5MHz / 16QAM	10MHz / QPSK	10MHz / 16QAM
Peak-to-Average Ratio (dB)	5.26	6.03	5.48	6.15
BW / Mod.	15MHz / QPSK	15MHz / 16QAM	20MHz / QPSK	20MHz / 16QAM
Peak-to-Average Ratio (dB)	5.29	6.03	5.32	6.15





Modes	LTE Band 17			
BW / Mod.	5MHz / QPSK	5MHz / 16QAM	10MHz / QPSK	10MHz / 16QAM
Peak-to-Average Ratio (dB)	5.52	6.24	5.44	6.40

**Note:**

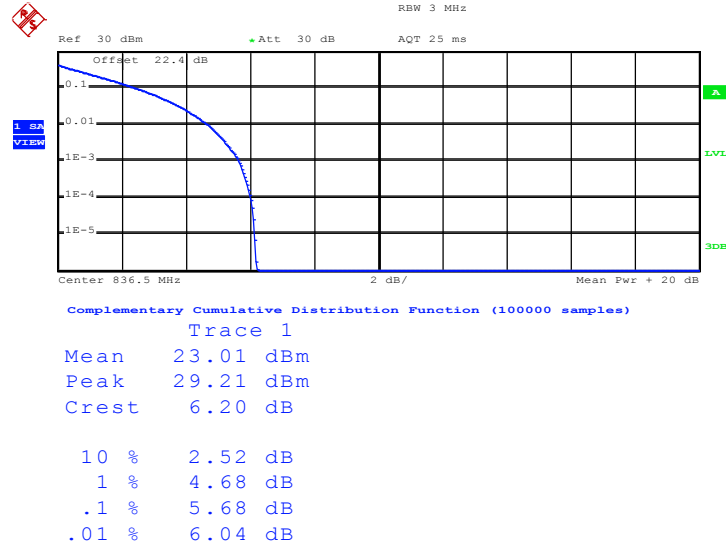
The maximum RB configurations of the PAPR summary as below:

- 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



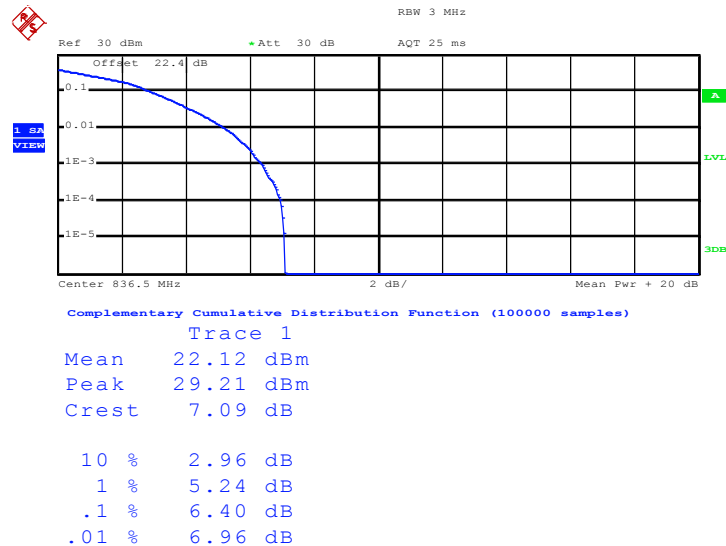
### 3.2.6 Peak to Average Power Ratio

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



Date: 3.SEP.2013 11:38:50

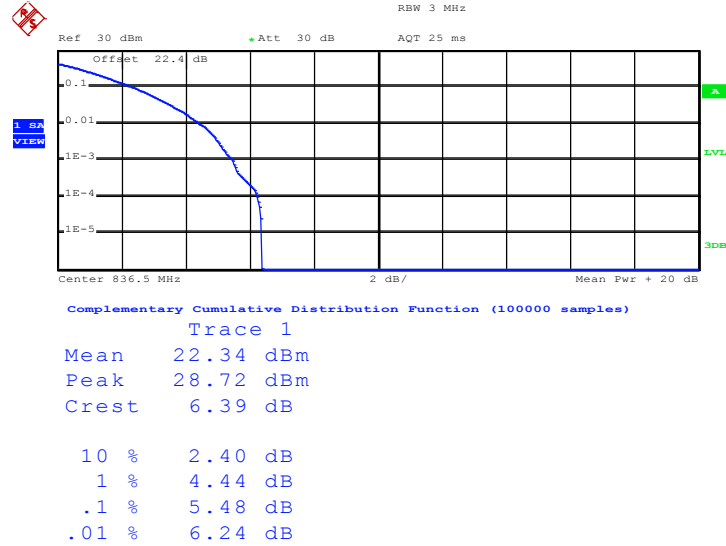
#### Peak-to-Average Ratio on LTE Band 5 1.4MHz / 16QAM



Date: 3.SEP.2013 11:39:18

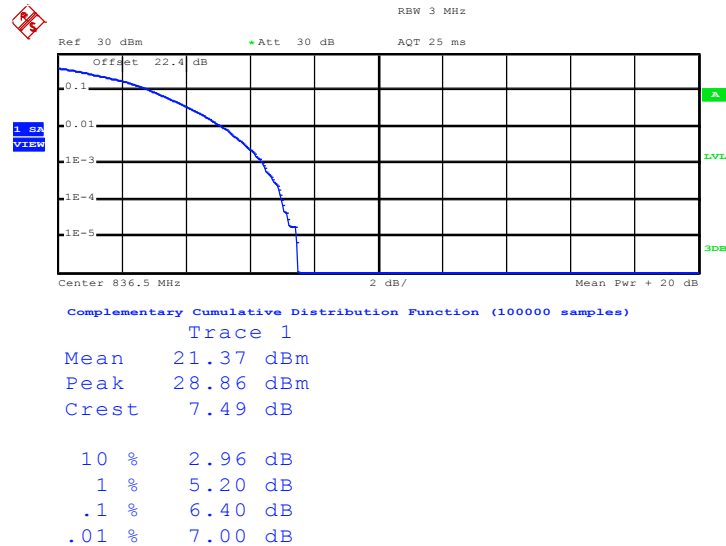


Peak-to-Average Ratio on LTE Band 5 3MHz / QPSK



Date: 3.SEP.2013 11:44:04

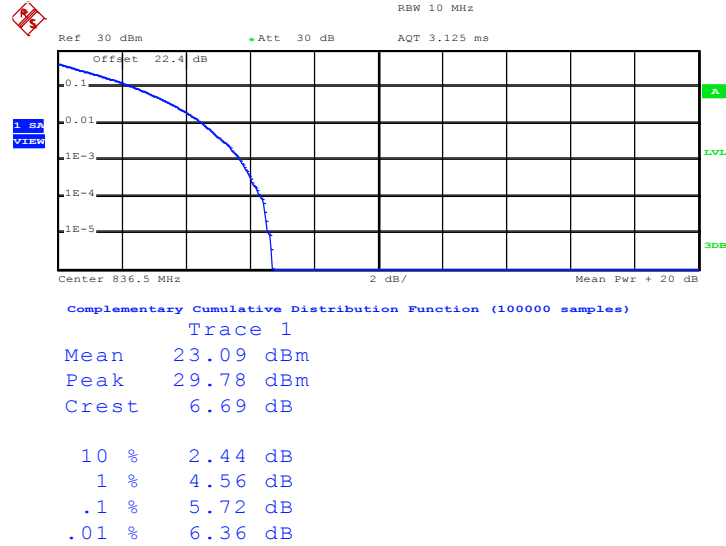
Peak-to-Average Ratio on LTE Band 5 3MHz / 16QAM



Date: 3.SEP.2013 11:43:37

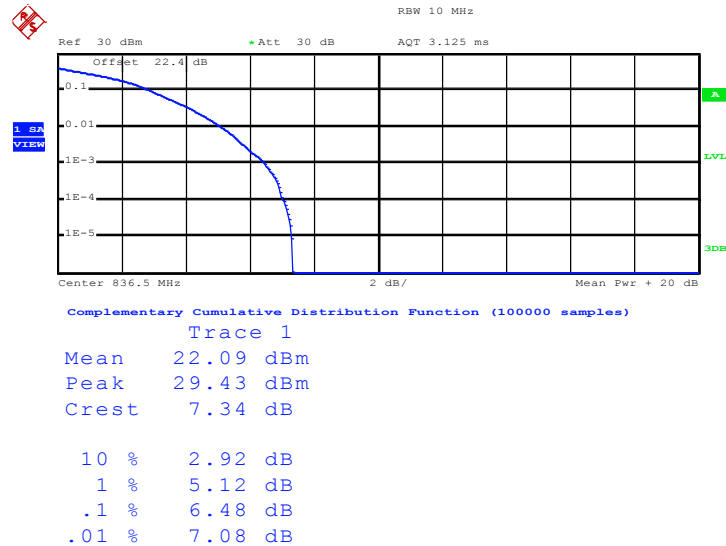


Peak-to-Average Ratio on LTE Band 5 5MHz / QPSK



Date: 3.SEP.2013 11:44:43

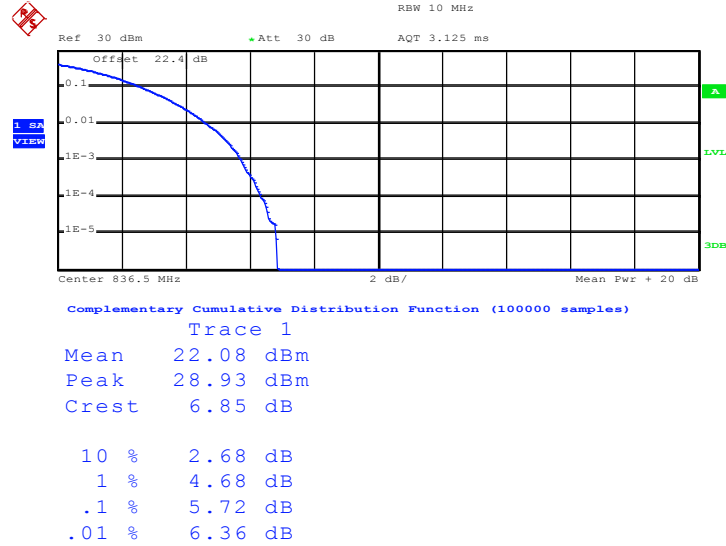
Peak-to-Average Ratio on LTE Band 5 5MHz / 16QAM



Date: 3.SEP.2013 11:45:22

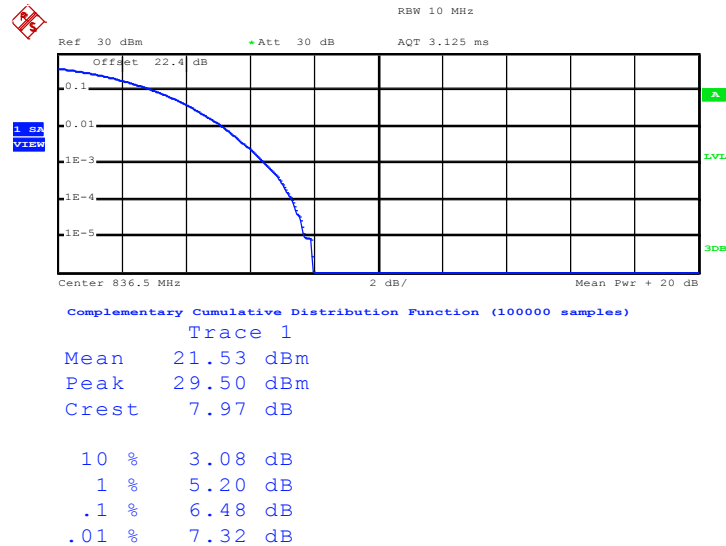


Peak-to-Average Ratio on LTE Band 5 10MHz / QPSK



Date: 3.SEP.2013 11:47:09

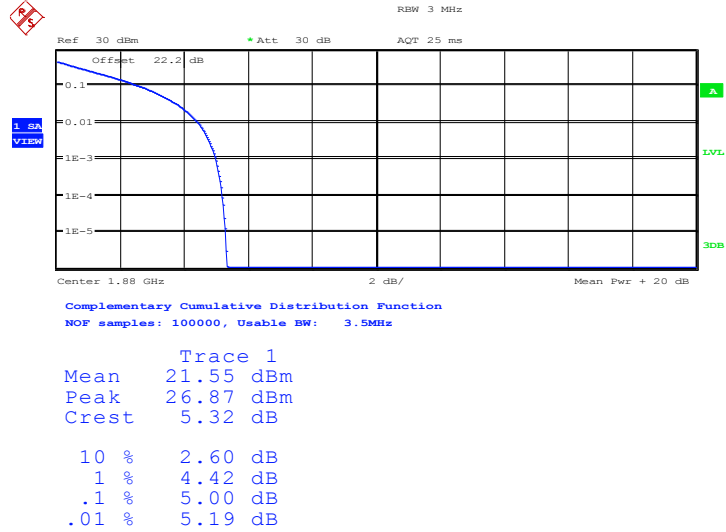
Peak-to-Average Ratio on LTE Band 5 10MHz / 16QAM



Date: 3.SEP.2013 11:46:33

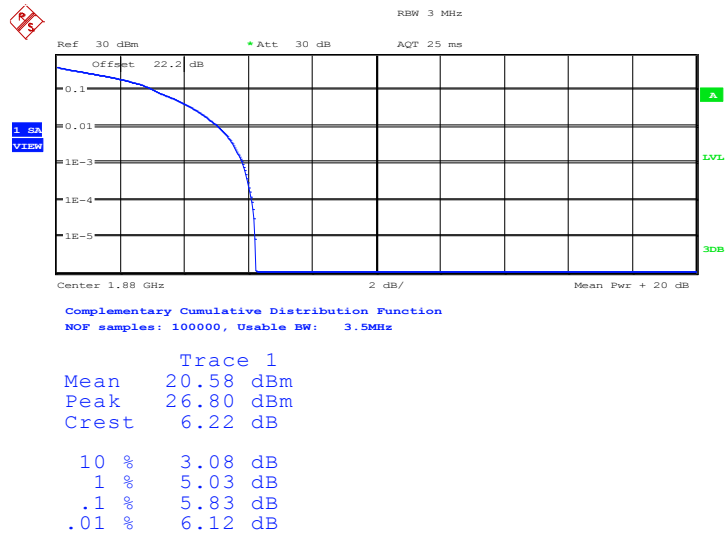


Peak-to-Average Ratio on LTE Band 2 1.4MHz / QPSK



Date: 27.AUG.2013 19:08:06

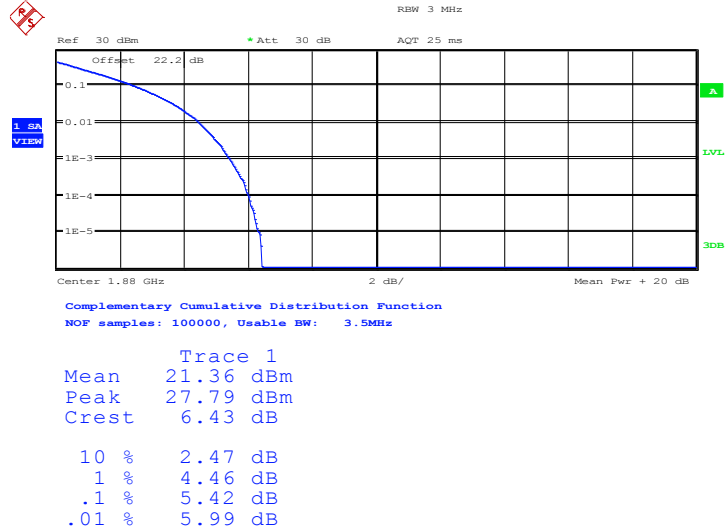
Peak-to-Average Ratio on LTE Band 2 1.4MHz / 16QAM



Date: 27.AUG.2013 19:07:54

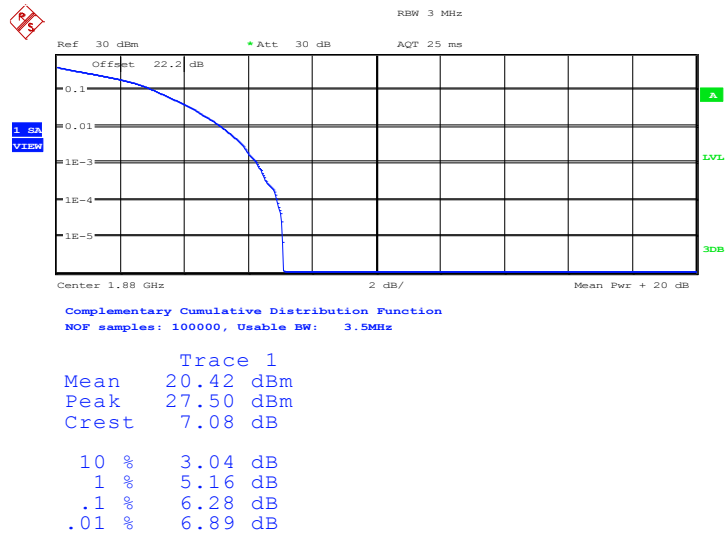


Peak-to-Average Ratio on LTE Band 2 3MHz / QPSK



Date: 27.AUG.2013 19:07:14

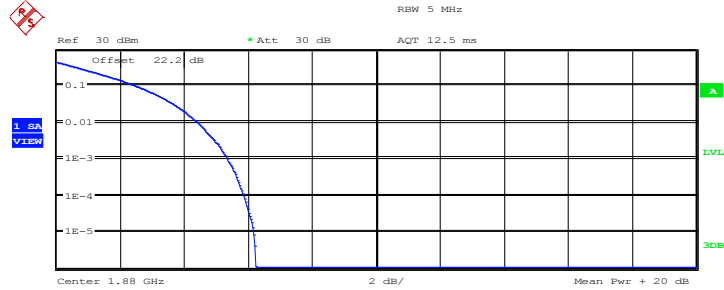
Peak-to-Average Ratio on LTE Band 2 3MHz / 16QAM



Date: 27.AUG.2013 19:07:29



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

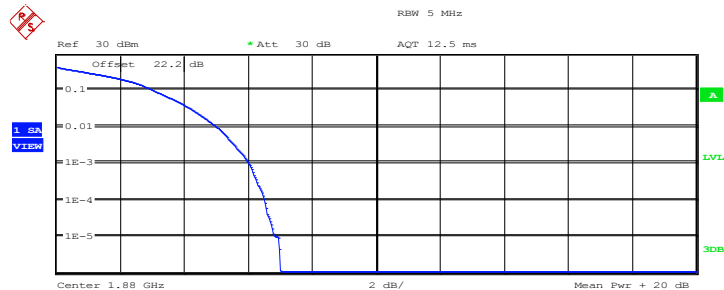


Complementary Cumulative Distribution Function  
 NOF samples: 100000, Usable BW: 7.1MHz

Trace 1	
Mean	21.06 dBm
Peak	27.29 dBm
Crest	6.24 dB
10 %	2.50 dB
1 %	4.39 dB
.1 %	5.35 dB
.01 %	5.87 dB

Date: 27.AUG.2013 19:06:34

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



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

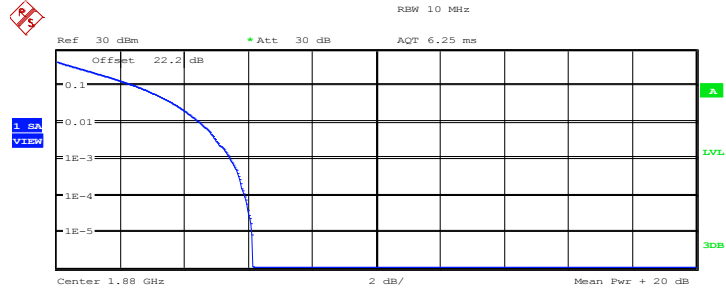
Trace 1	
Mean	20.29 dBm
Peak	27.29 dBm
Crest	7.01 dB
10 %	3.04 dB
1 %	5.00 dB
.1 %	6.03 dB
.01 %	6.51 dB

Date: 27.AUG.2013 19:06:11





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

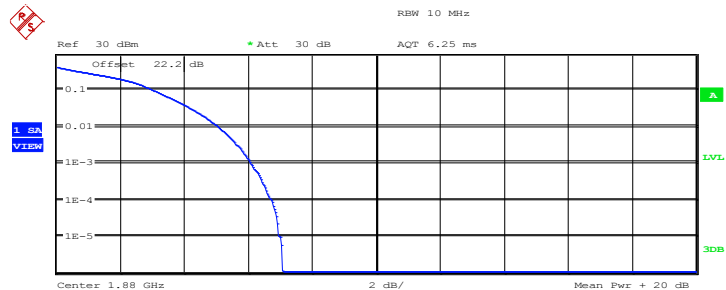


Complementary Cumulative Distribution Function  
 NOF samples: 100000, Usable BW: 11.2MHz

Trace 1	
Mean	21.67 dBm
Peak	27.81 dBm
Crest	6.14 dB
10 %	2.50 dB
1 %	4.46 dB
.1 %	5.42 dB
.01 %	5.90 dB

Date: 27.AUG.2013 19:05:21

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



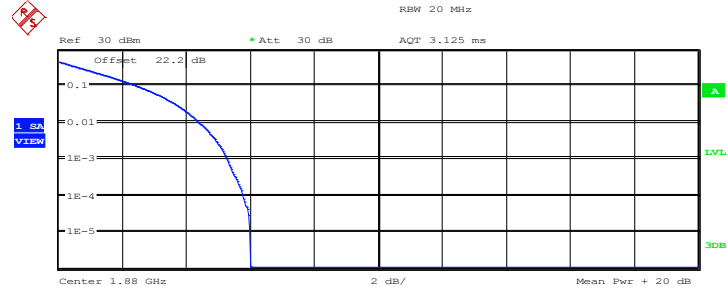
Complementary Cumulative Distribution Function  
 NOF samples: 100000, Usable BW: 11.2MHz

Trace 1	
Mean	20.73 dBm
Peak	27.81 dBm
Crest	7.08 dB
10 %	3.04 dB
1 %	5.03 dB
.1 %	6.09 dB
.01 %	6.73 dB

Date: 27.AUG.2013 19:05:37



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

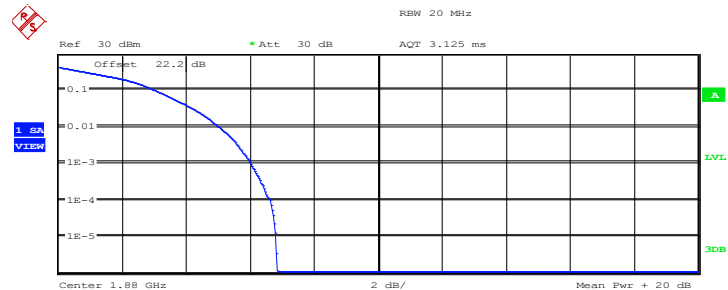


Complementary Cumulative Distribution Function  
NOF samples: 100000, Usable BW: 23.7MHz

Trace 1	
Mean	21.54 dBm
Peak	27.54 dBm
Crest	6.00 dB
10 %	2.47 dB
1 %	4.39 dB
.1 %	5.26 dB
.01 %	5.77 dB

Date: 27.AUG.2013 19:04:59

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



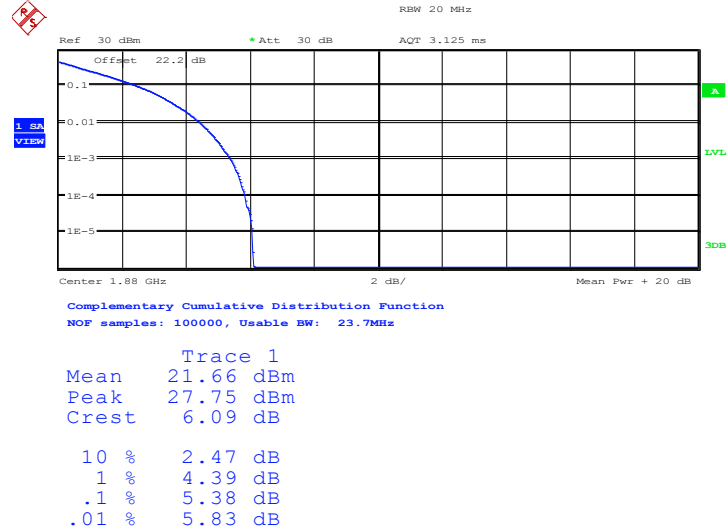
Complementary Cumulative Distribution Function  
NOF samples: 100000, Usable BW: 23.7MHz

Trace 1	
Mean	20.57 dBm
Peak	27.40 dBm
Crest	6.83 dB
10 %	3.01 dB
1 %	5.00 dB
.1 %	6.03 dB
.01 %	6.60 dB

Date: 27.AUG.2013 19:04:47

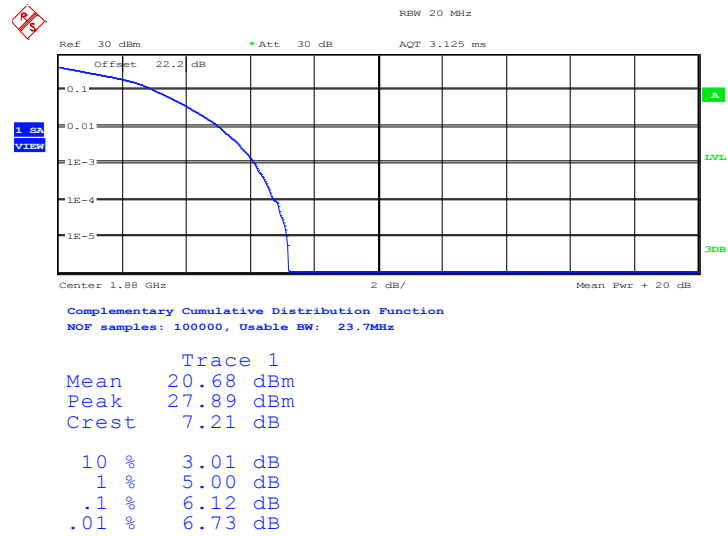


Peak-to-Average Ratio on LTE Band 2 20MHz / QPSK



Date: 27.AUG.2013 19:03:59

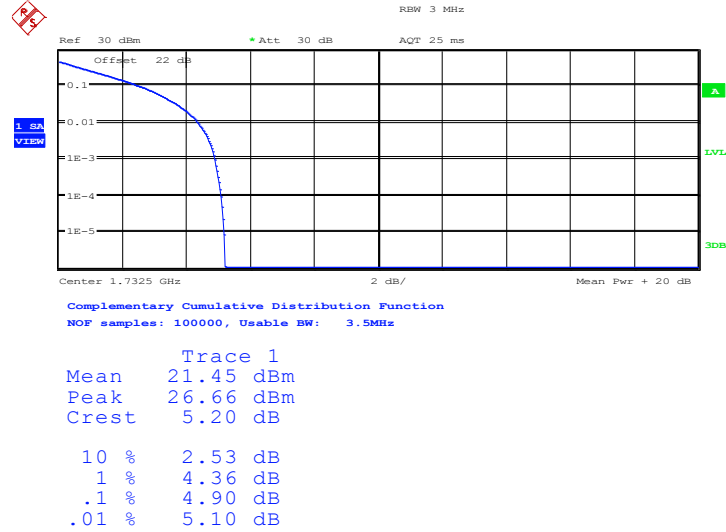
Peak-to-Average Ratio on LTE Band 2 20MHz / 16QAM



Date: 27.AUG.2013 19:04:21

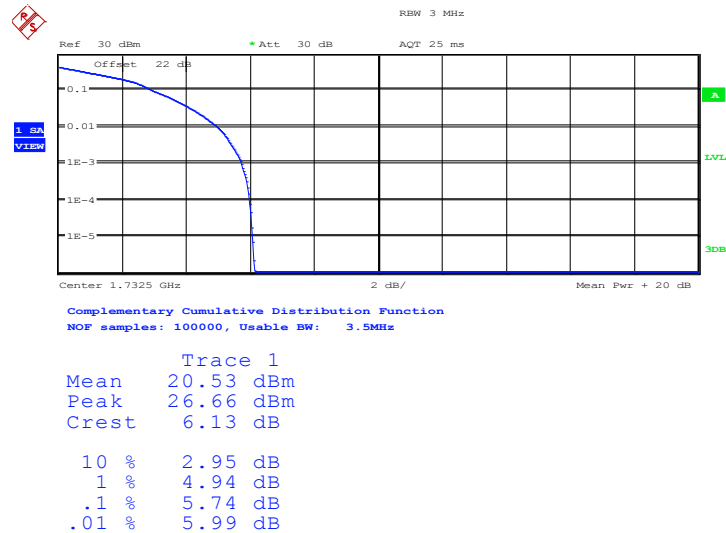


Peak-to-Average Ratio on LTE Band 4 1.4MHz / QPSK



Date: 27.AUG.2013 14:14:44

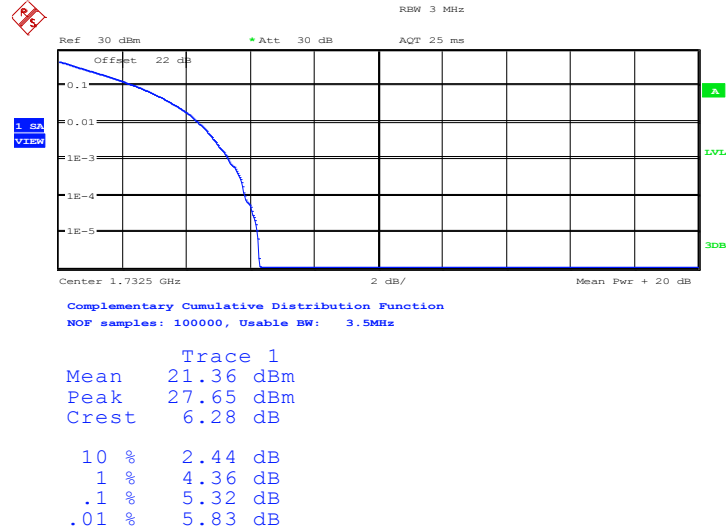
Peak-to-Average Ratio on LTE Band 4 1.4MHz / 16QAM



Date: 27.AUG.2013 14:14:59

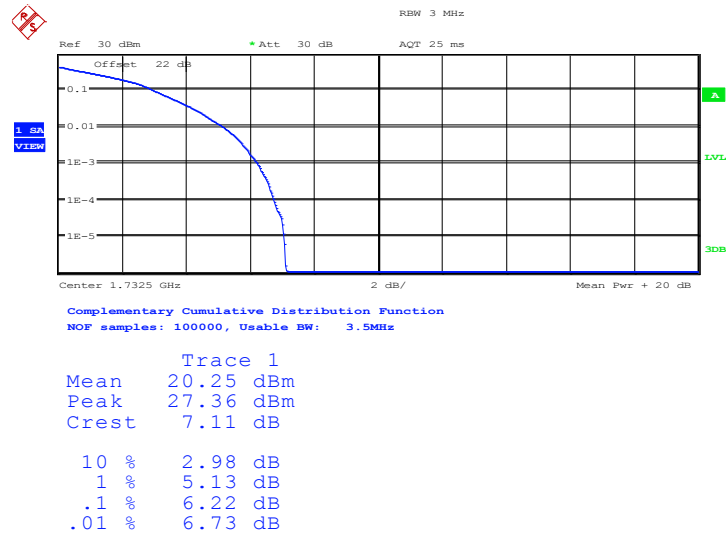


Peak-to-Average Ratio on LTE Band 4 3MHz / QPSK



Date: 27.AUG.2013 14:15:59

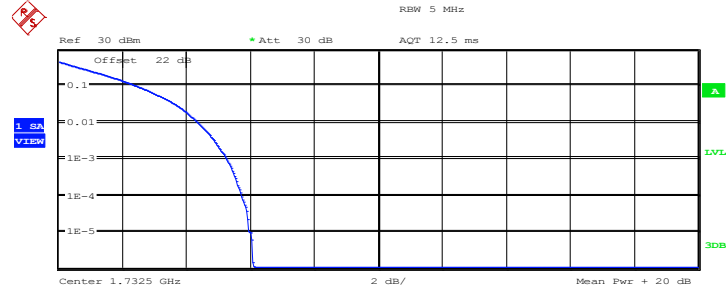
Peak-to-Average Ratio on LTE Band 4 3MHz / 16QAM



Date: 27.AUG.2013 14:15:32



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



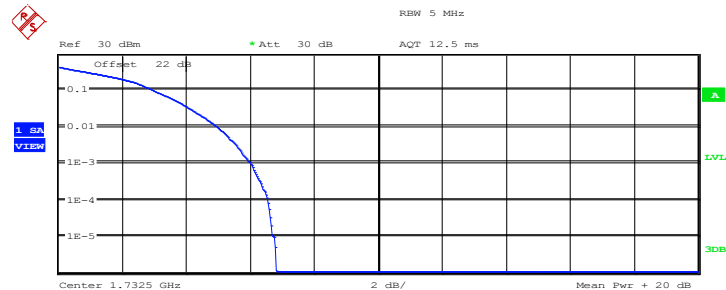
Complementary Cumulative Distribution Function  
NOF samples: 100000, Usable BW: 7.1MHz

Trace 1

Mean	21.06 dBm
Peak	27.15 dBm
Crest	6.09 dB
10 %	2.47 dB
1 %	4.36 dB
.1 %	5.26 dB
.01 %	5.74 dB

Date: 27.AUG.2013 14:16:48

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



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

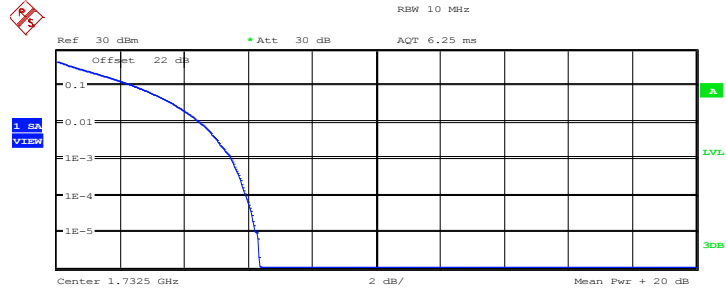
Trace 1

Mean	20.12 dBm
Peak	26.94 dBm
Crest	6.82 dB
10 %	2.98 dB
1 %	4.97 dB
.1 %	6.03 dB
.01 %	6.54 dB

Date: 27.AUG.2013 14:17:15



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

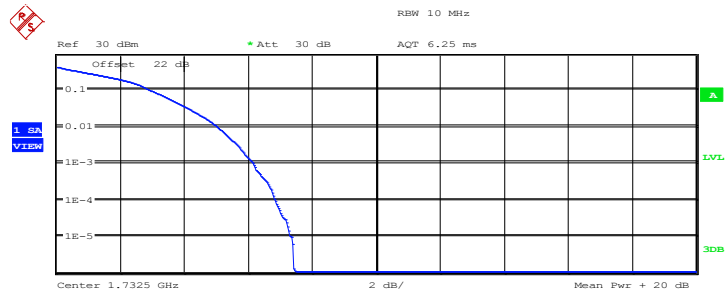


Complementary Cumulative Distribution Function  
 NOF samples: 100000, Usable BW: 11.2MHz

Trace 1	
Mean	21.54 dBm
Peak	27.89 dBm
Crest	6.35 dB
10 %	2.44 dB
1 %	4.49 dB
.1 %	5.48 dB
.01 %	5.93 dB

Date: 27.AUG.2013 14:18:51

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



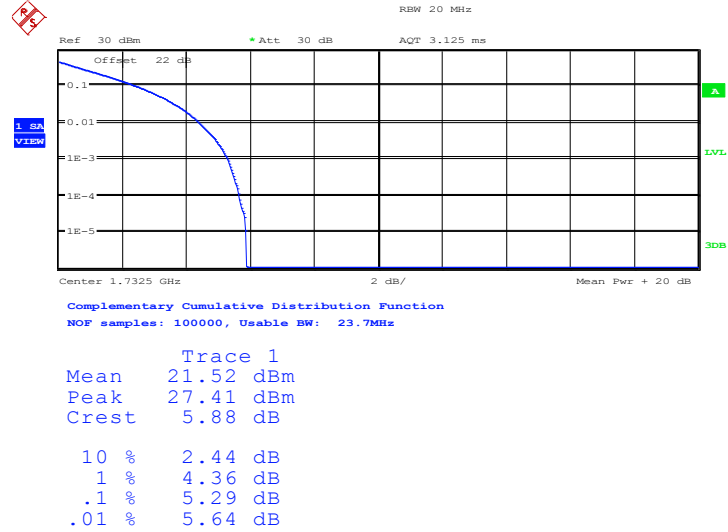
Complementary Cumulative Distribution Function  
 NOF samples: 100000, Usable BW: 11.2MHz

Trace 1	
Mean	20.53 dBm
Peak	27.96 dBm
Crest	7.43 dB
10 %	2.95 dB
1 %	5.00 dB
.1 %	6.15 dB
.01 %	6.83 dB

Date: 27.AUG.2013 14:18:31

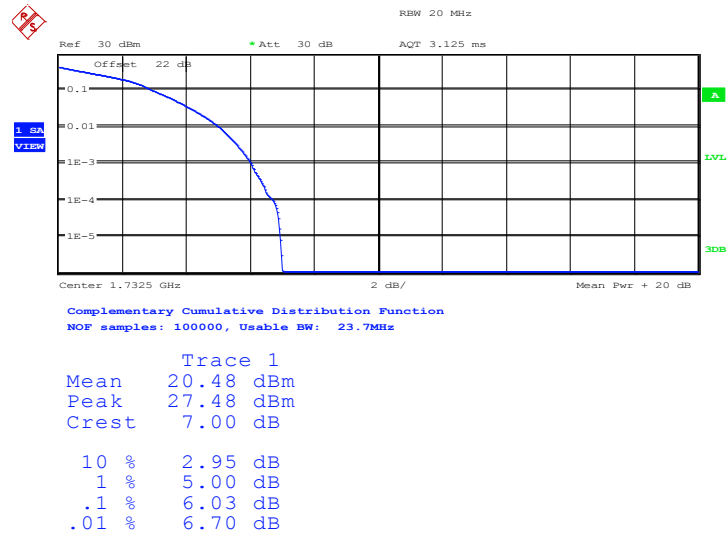


Peak-to-Average Ratio on LTE Band 4 15MHz / QPSK



Date: 27.AUG.2013 14:19:47

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

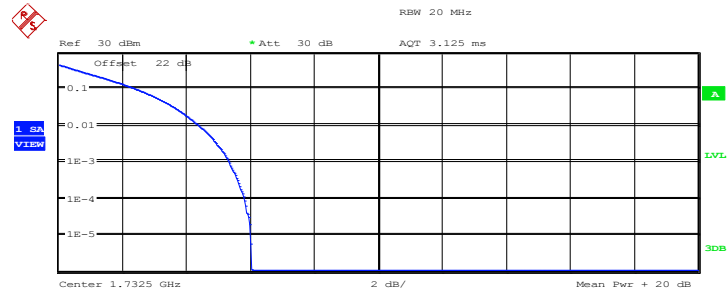


Date: 27.AUG.2013 14:20:34





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

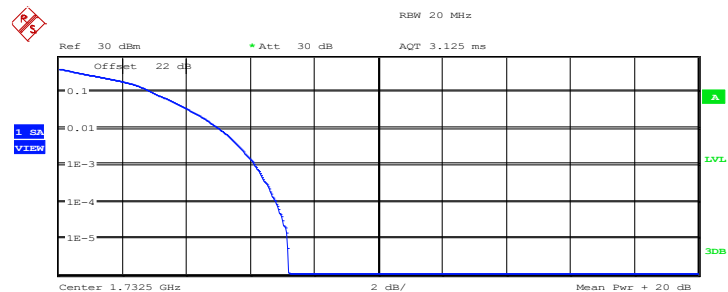


Complementary Cumulative Distribution Function  
 NOF samples: 100000, Usable BW: 23.7MHz

Trace 1	
Mean	21.59 dBm
Peak	27.62 dBm
Crest	6.03 dB
10 %	2.44 dB
1 %	4.36 dB
.1 %	5.32 dB
.01 %	5.80 dB

Date: 27.AUG.2013 14:21:23

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



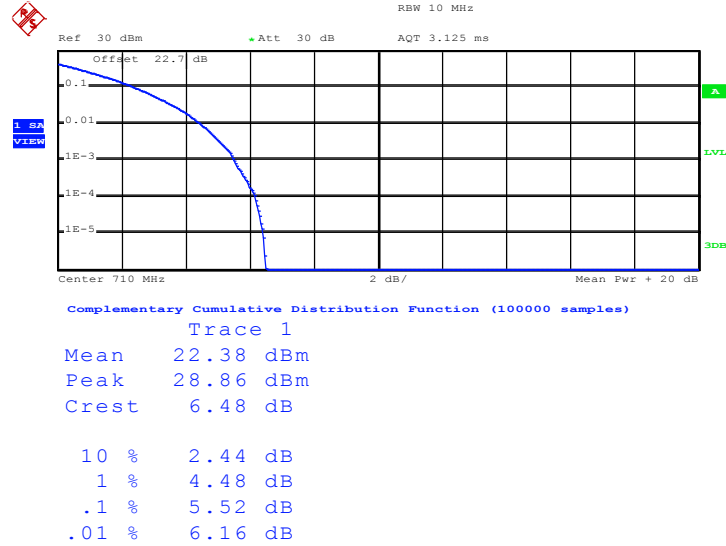
Complementary Cumulative Distribution Function  
 NOF samples: 100000, Usable BW: 23.7MHz

Trace 1	
Mean	20.43 dBm
Peak	27.62 dBm
Crest	7.19 dB
10 %	2.95 dB
1 %	5.03 dB
.1 %	6.15 dB
.01 %	6.79 dB

Date: 27.AUG.2013 14:21:00

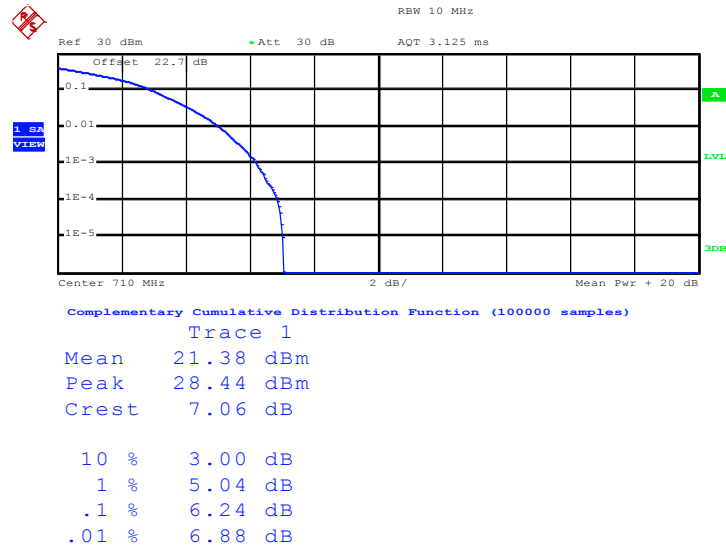


Peak-to-Average Ratio on LTE Band 17 5MHz / QPSK



Date: 3.SEP.2013 10:10:44

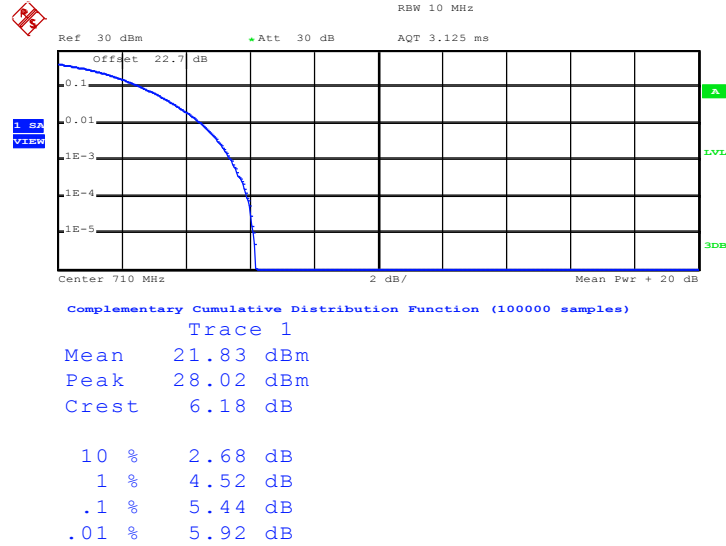
Peak-to-Average Ratio on LTE Band 17 5MHz / 16QAM



Date: 3.SEP.2013 10:11:21

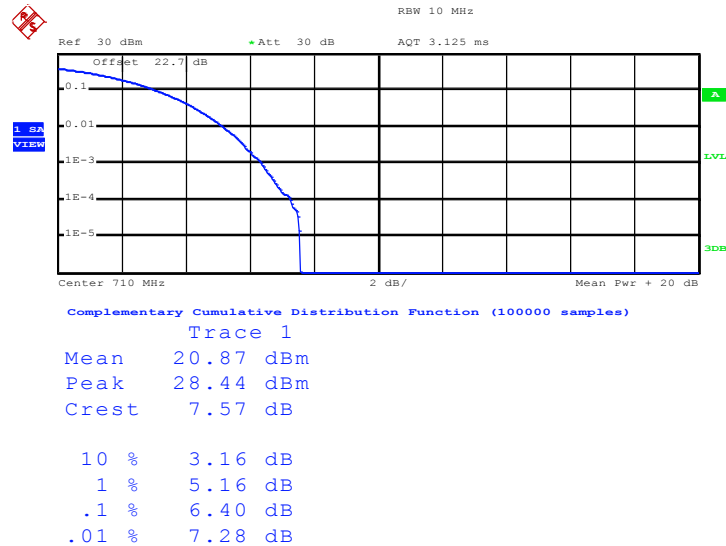


Peak-to-Average Ratio on LTE Band 17 10MHz / QPSK



Date: 3.SEP.2013 10:12:58

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



Date: 3.SEP.2013 10:12:21

### 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.

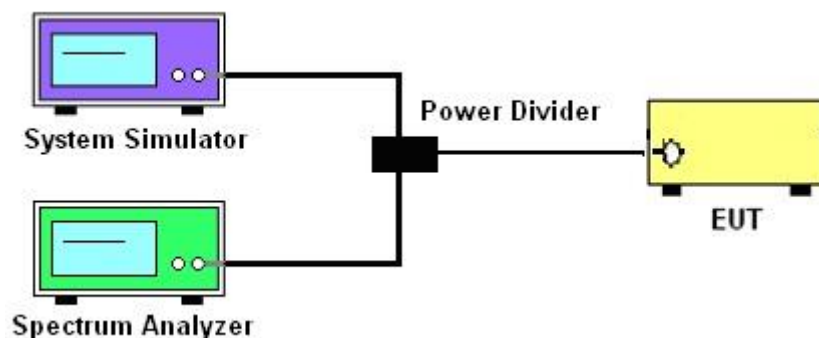
#### 3.3.2 Measuring Instruments

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

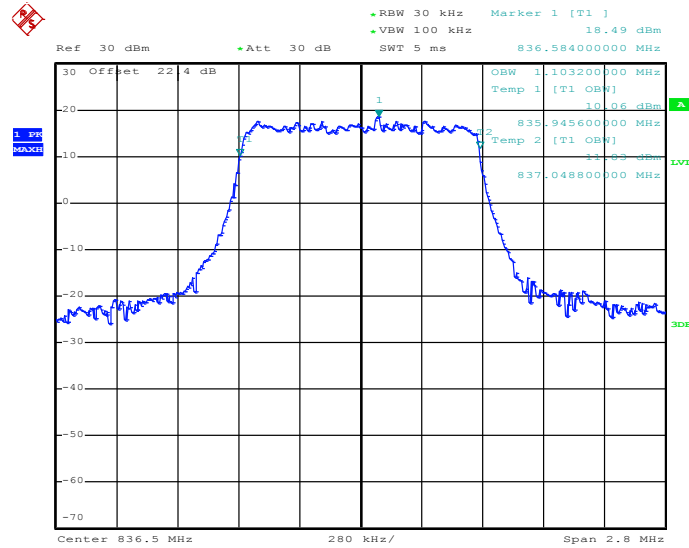




### 3.3.5 Test Result (Plots) of Occupied Bandwidth

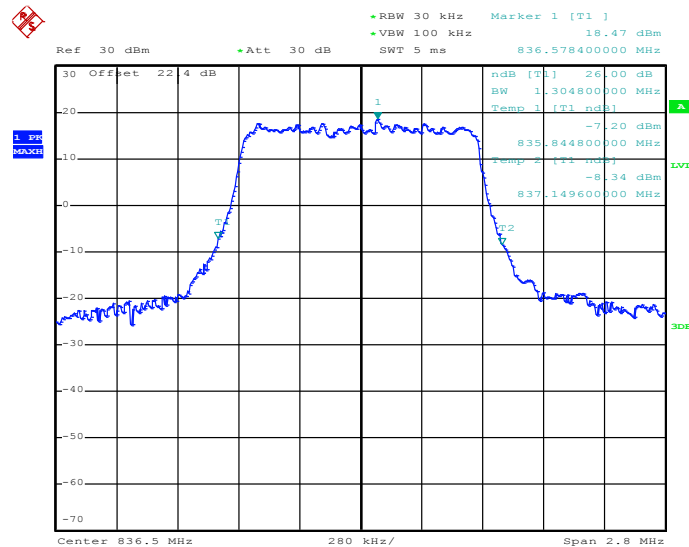
Band :	LTE Band 5	BW / Mod. :	1.4MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 20525



Date: 3.SEP.2013 11:26:11

26dB Bandwidth Plot on Channel 20525

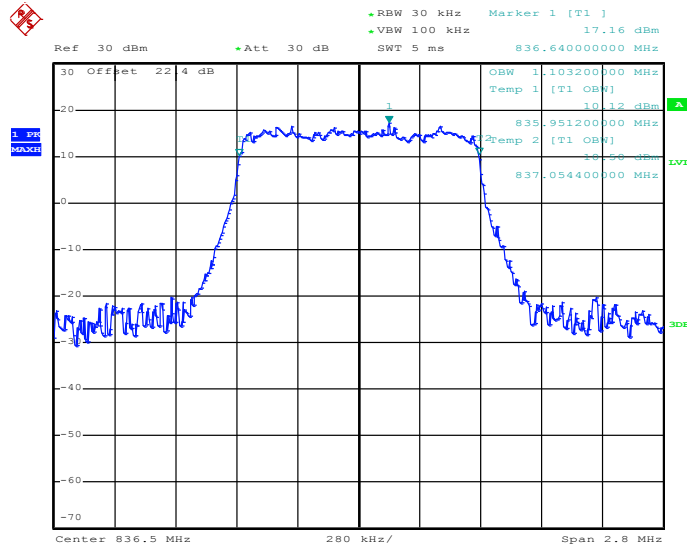


Date: 3.SEP.2013 11:30:30



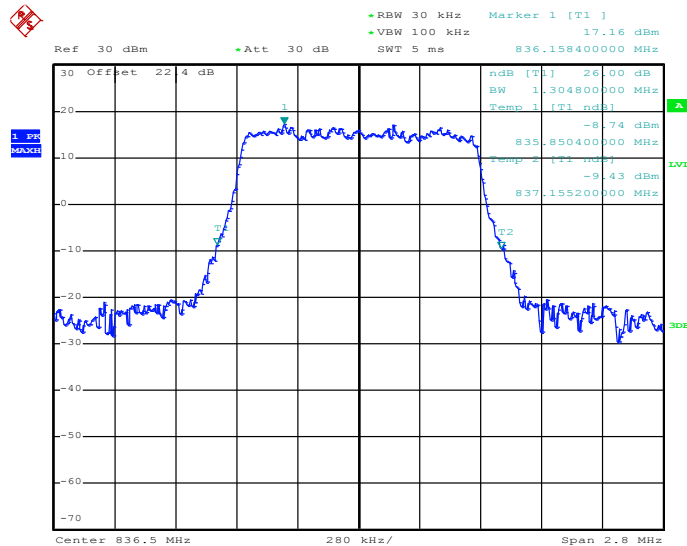
Band :	LTE Band 5	BW / Mod. :	1.4MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 20525



Date: 3.SEP.2013 11:26:27

26dB Bandwidth Plot on Channel 20525

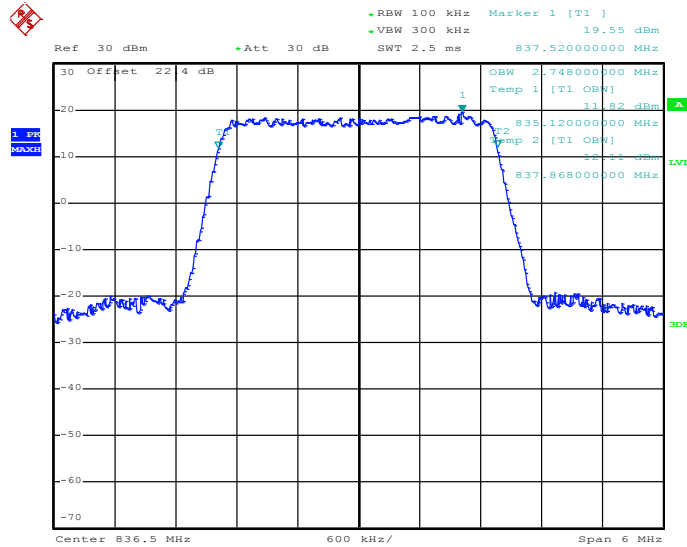


Date: 3.SEP.2013 11:30:48



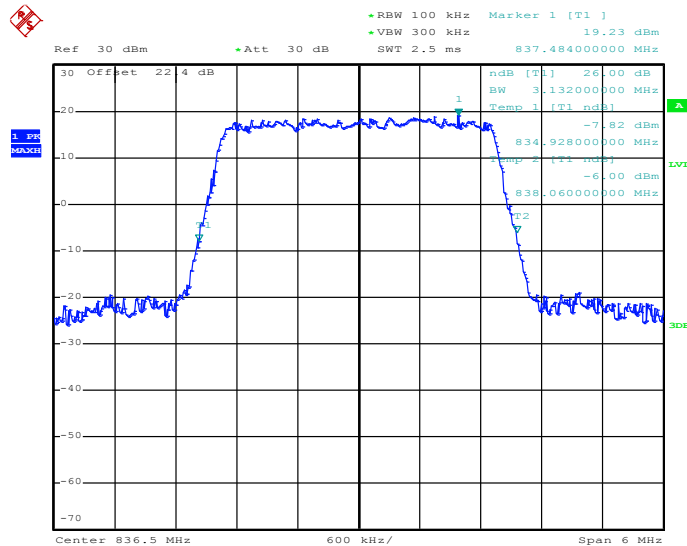
Band :	LTE Band 5	BW / Mod. :	3MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 20525



Date: 3.SEP.2013 11:18:03

26dB Bandwidth Plot on Channel 20525

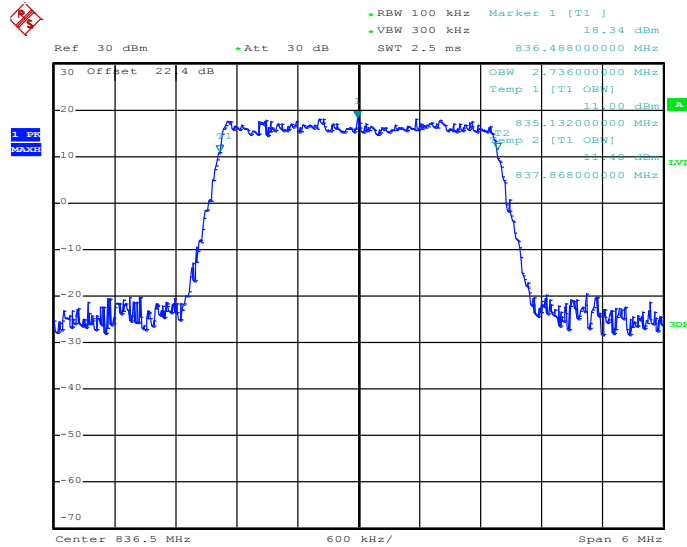


Date: 3.SEP.2013 11:31:45



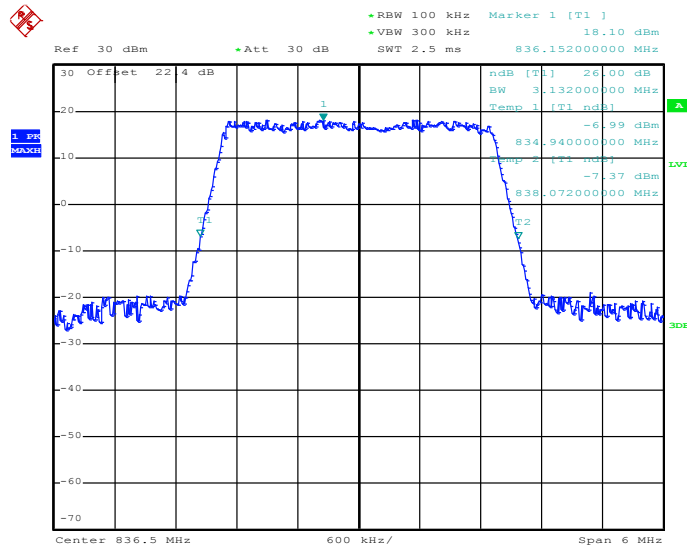
Band :	LTE Band 5	BW / Mod. :	3MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 20525



Date: 3.SEP.2013 11:18:25

26dB Bandwidth Plot on Channel 20525



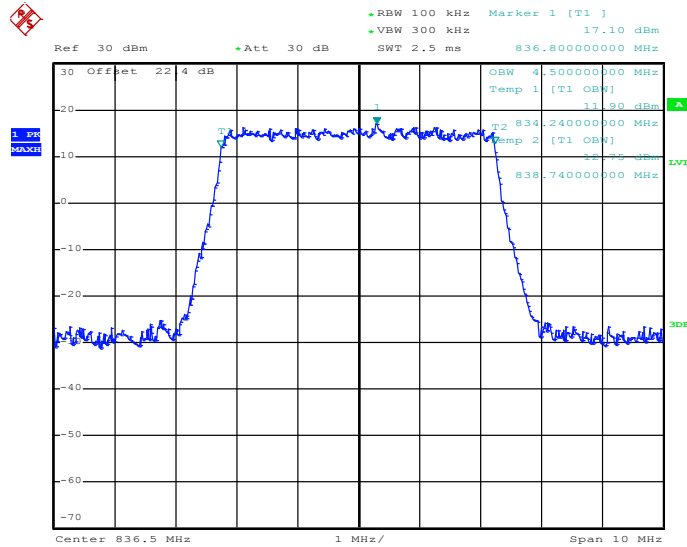
Date: 3.SEP.2013 11:31:22





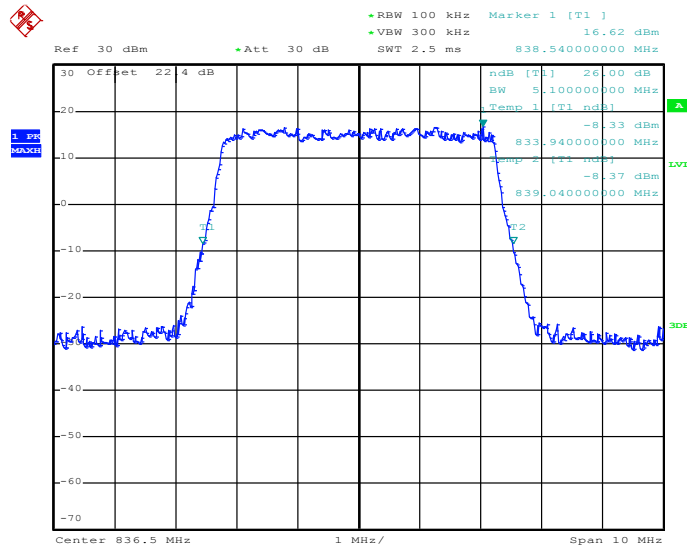
Band :	LTE Band 5	BW / Mod. :	5MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 20525



Date: 3.SEP.2013 11:13:20

26dB Bandwidth Plot on Channel 20525

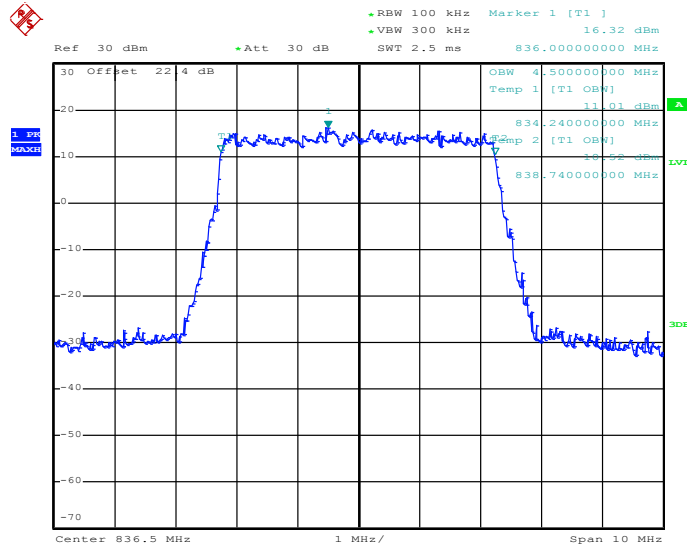


Date: 3.SEP.2013 11:32:22



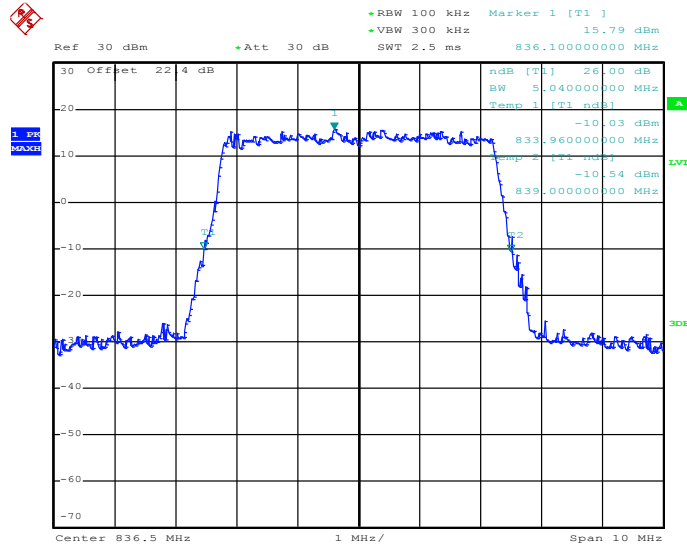
<b>Band :</b>	LTE Band 5	<b>BW / Mod. :</b>	5MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 20525



Date: 3.SEP.2013 11:13:37

26dB Bandwidth Plot on Channel 20525

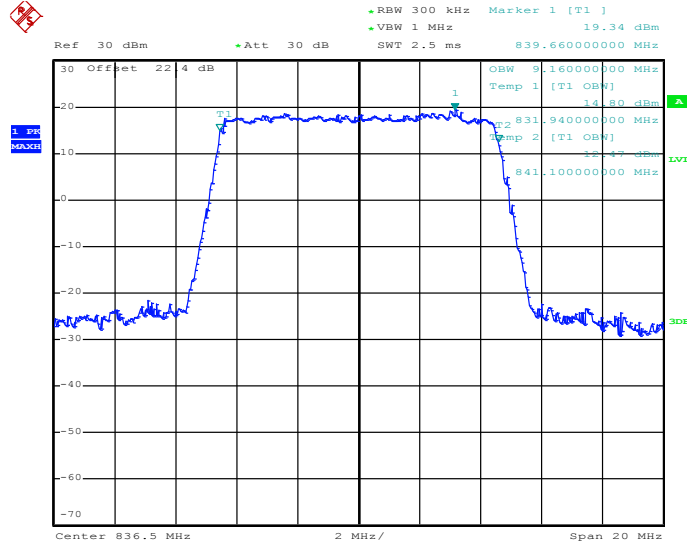


Date: 3.SEP.2013 11:32:39



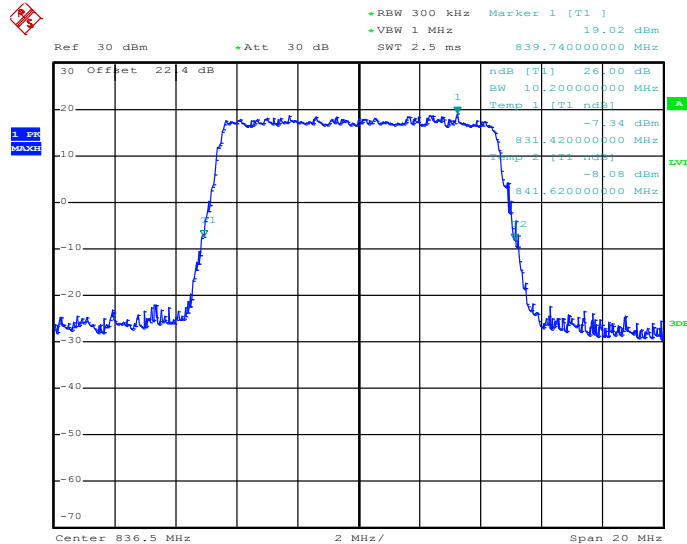
Band :	LTE Band 5	BW / Mod. :	10MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 20525



Date: 3.SEP.2013 11:07:23

26dB Bandwidth Plot on Channel 20525

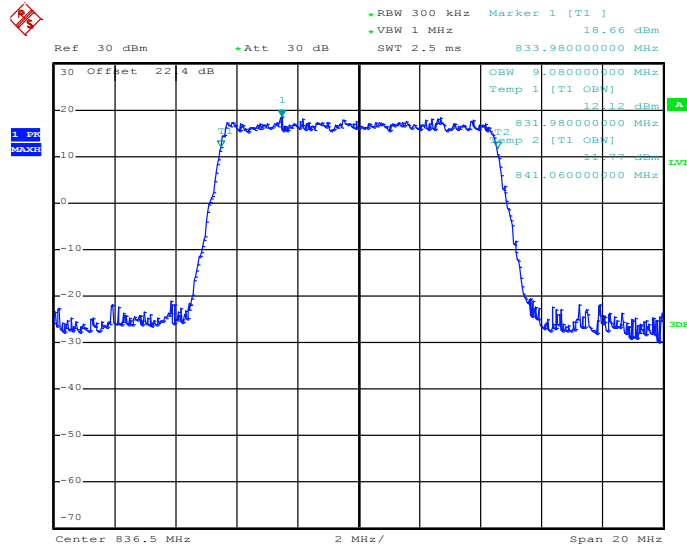


Date: 3.SEP.2013 11:33:39



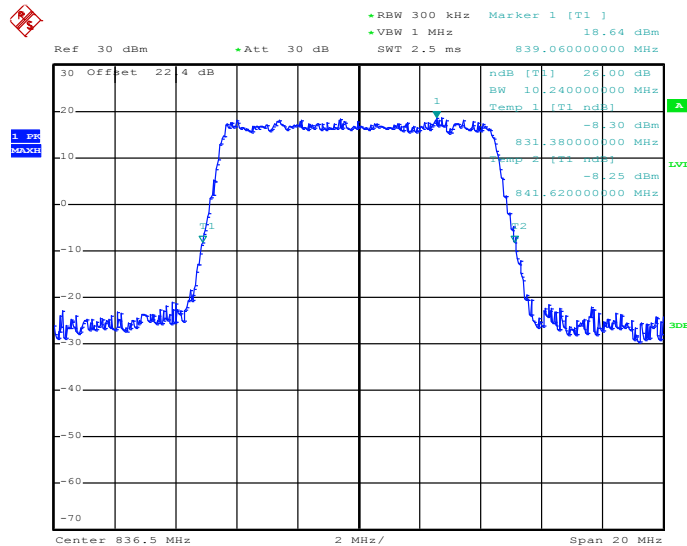
<b>Band :</b>	LTE Band 5	<b>BW / Mod. :</b>	10MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 20525



Date: 3.SEP.2013 11:07:48

26dB Bandwidth Plot on Channel 20525

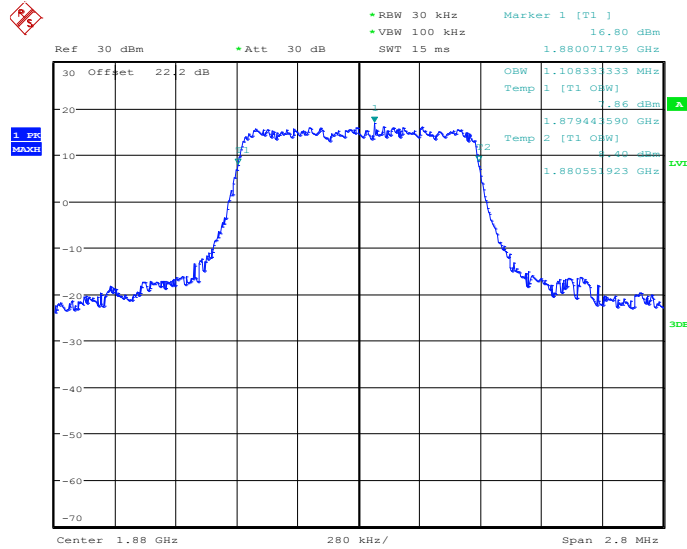


Date: 3.SEP.2013 11:33:19



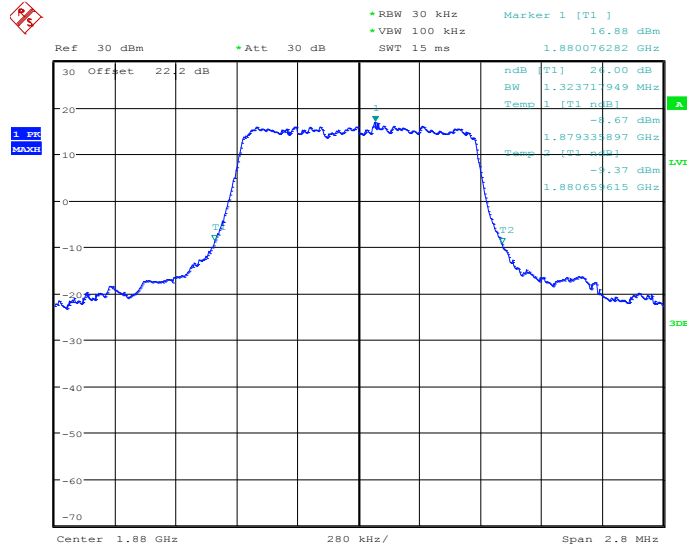
<b>Band :</b>	LTE Band 2	<b>BW / Mod. :</b>	1.4MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 18900



Date: 27.AUG.2013 18:35:34

26dB Bandwidth Plot on Channel 18900

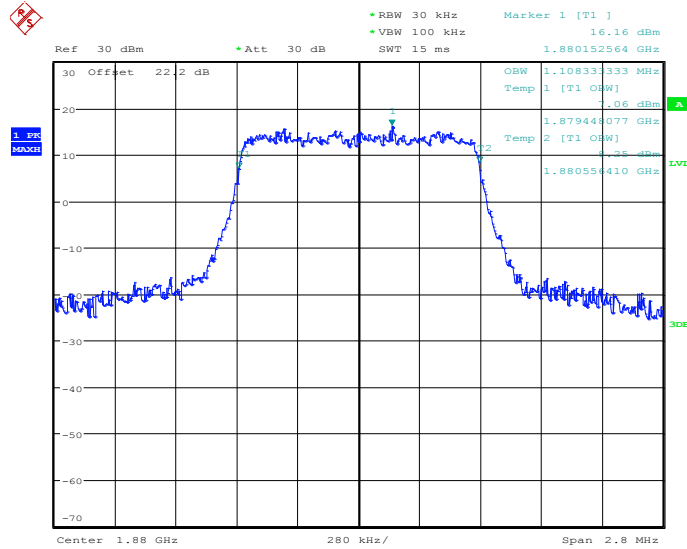


Date: 27.AUG.2013 17:52:16



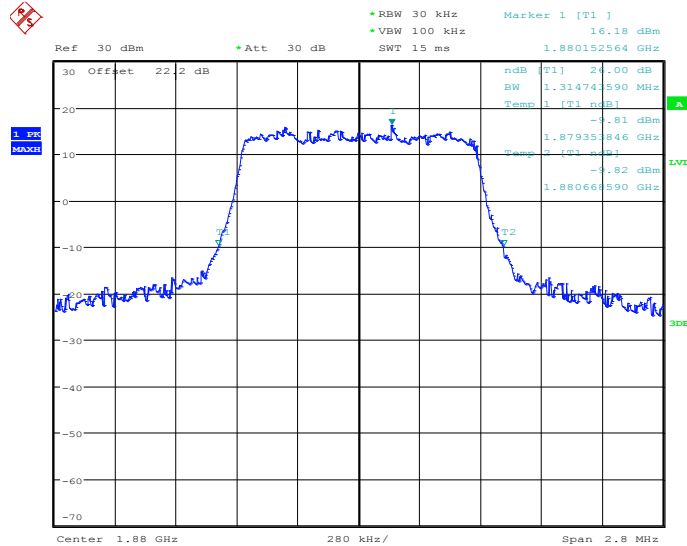
Band :	LTE Band 2	BW / Mod. :	1.4MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 18900



Date: 27.AUG.2013 18:35:44

26dB Bandwidth Plot on Channel 18900

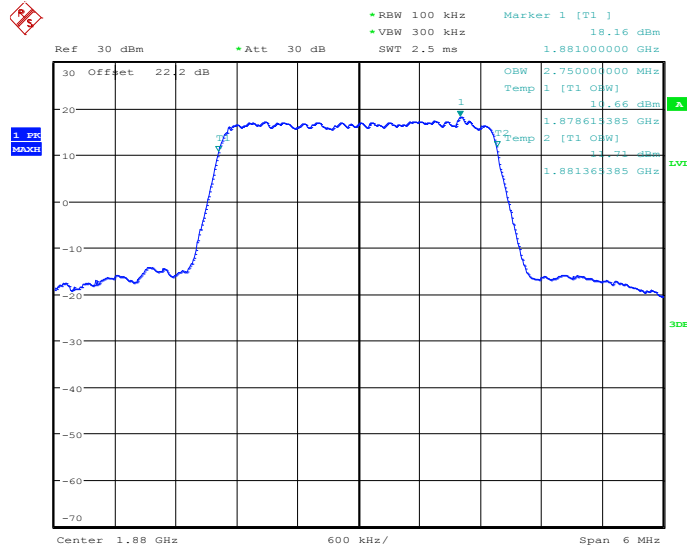


Date: 27.AUG.2013 17:52:45



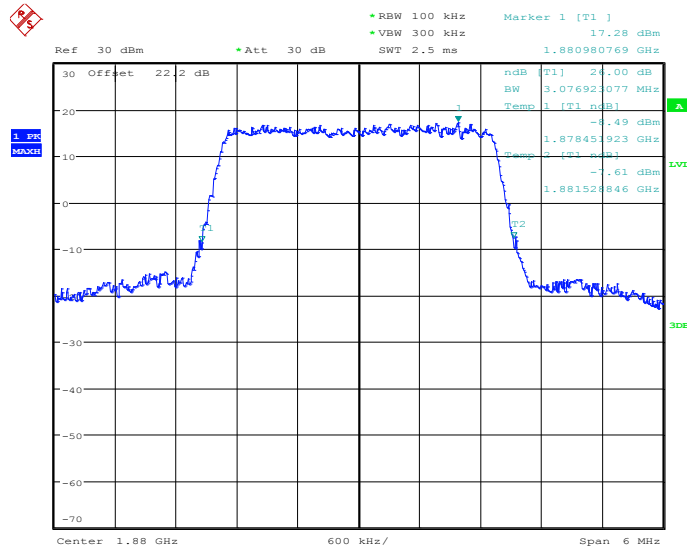
Band :	LTE Band 2	BW / Mod. :	3MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 18900



Date: 27.AUG.2013 18:31:59

26dB Bandwidth Plot on Channel 18900

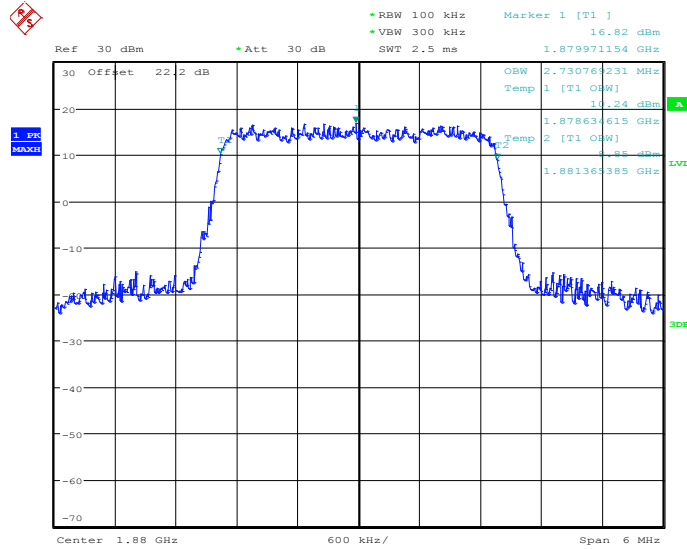


Date: 27.AUG.2013 17:54:13



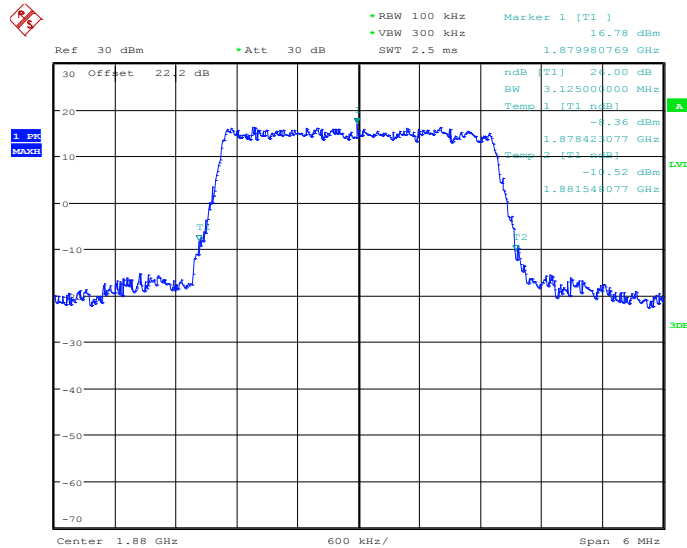
Band :	LTE Band 2	BW / Mod. :	3MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 18900



Date: 27.AUG.2013 18:32:10

26dB Bandwidth Plot on Channel 18900



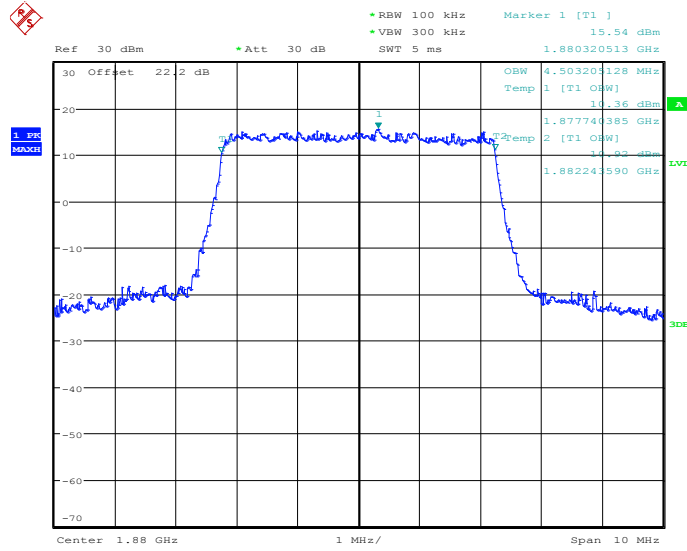
Date: 27.AUG.2013 17:54:01





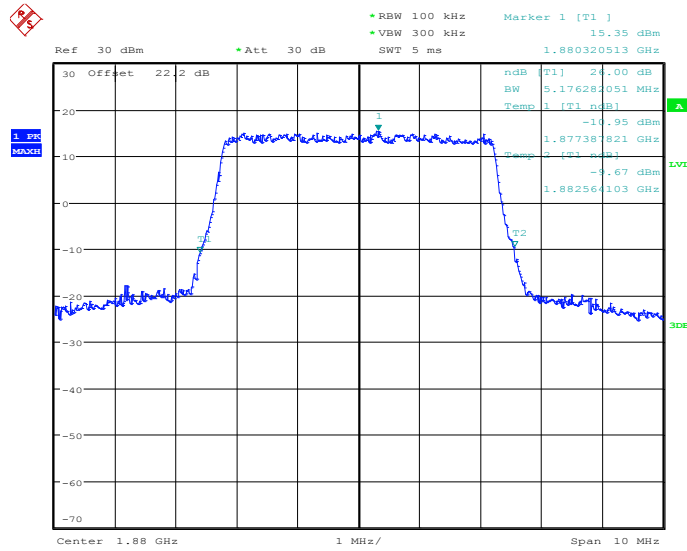
Band :	LTE Band 2	BW / Mod. :	5MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 18900



Date: 27.AUG.2013 18:22:24

26dB Bandwidth Plot on Channel 18900

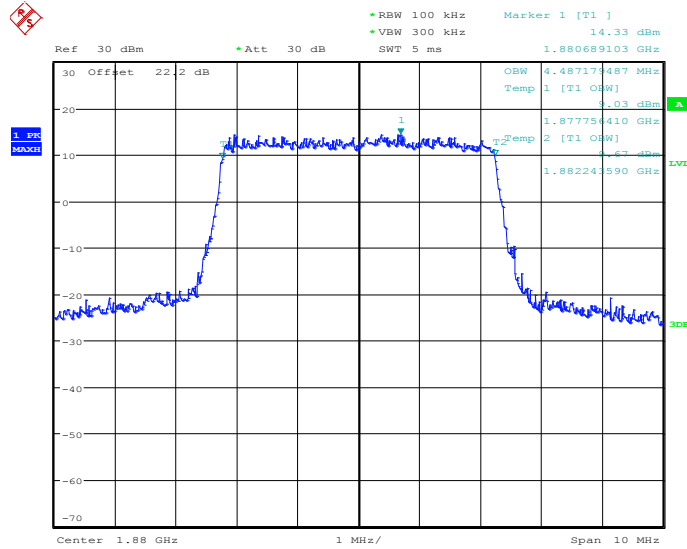


Date: 27.AUG.2013 17:56:12



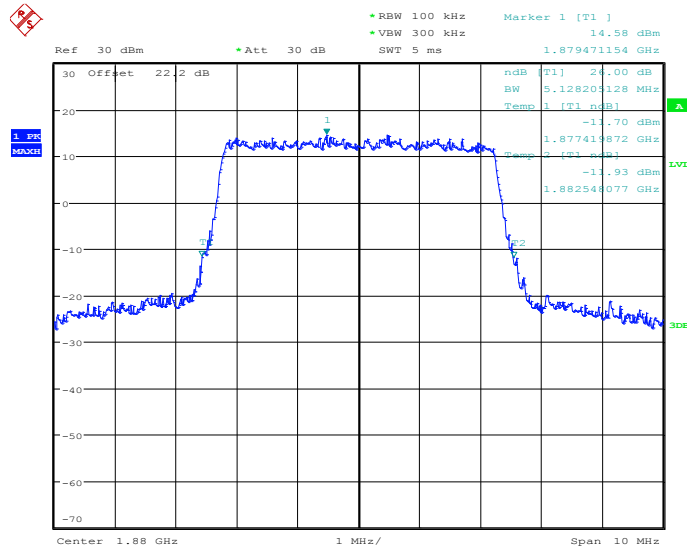
<b>Band :</b>	LTE Band 2	<b>BW / Mod. :</b>	5MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 18900



Date: 27.AUG.2013 18:22:33

26dB Bandwidth Plot on Channel 18900

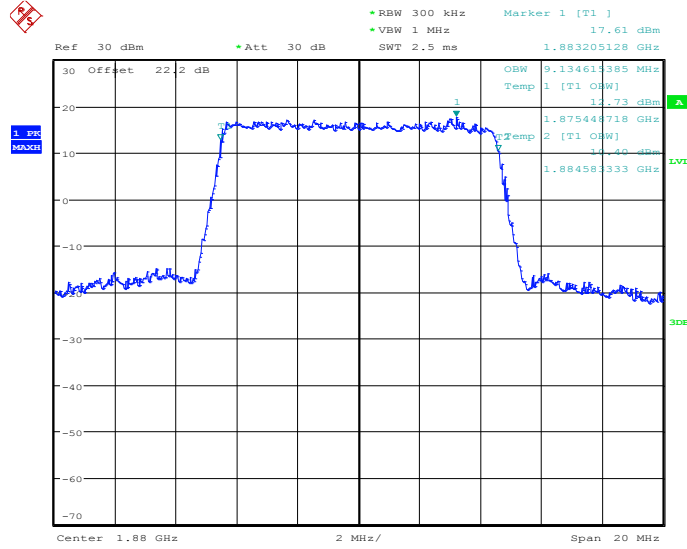


Date: 27.AUG.2013 17:56:25



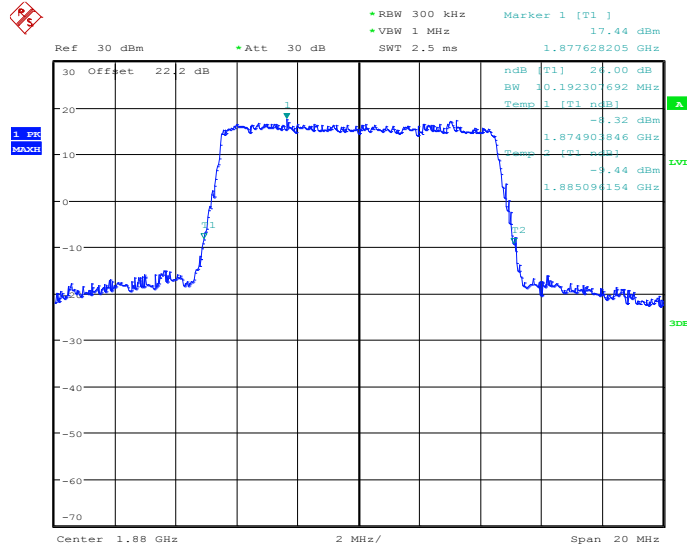
Band :	LTE Band 2	BW / Mod. :	10MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 18900



Date: 27.AUG.2013 18:16:45

26dB Bandwidth Plot on Channel 18900

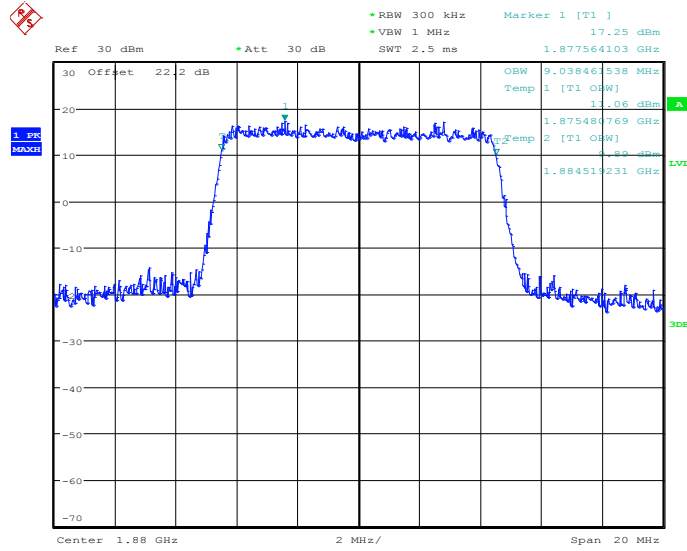


Date: 27.AUG.2013 17:57:21



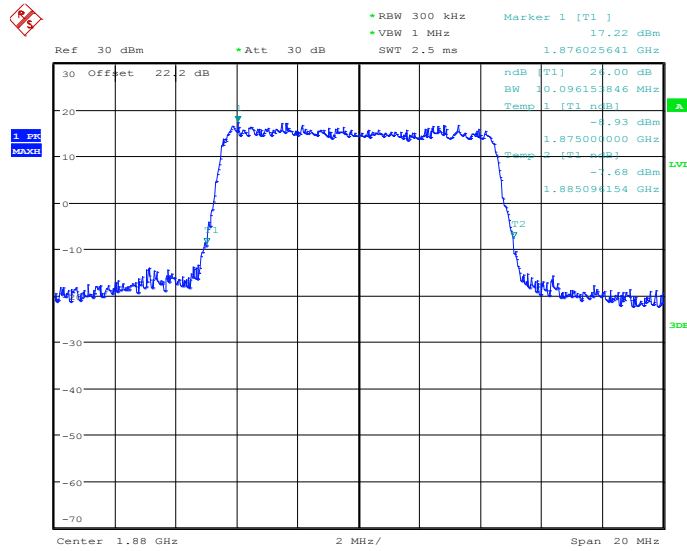
Band :	LTE Band 2	BW / Mod. :	10MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 18900



Date: 27.AUG.2013 18:16:54

26dB Bandwidth Plot on Channel 18900

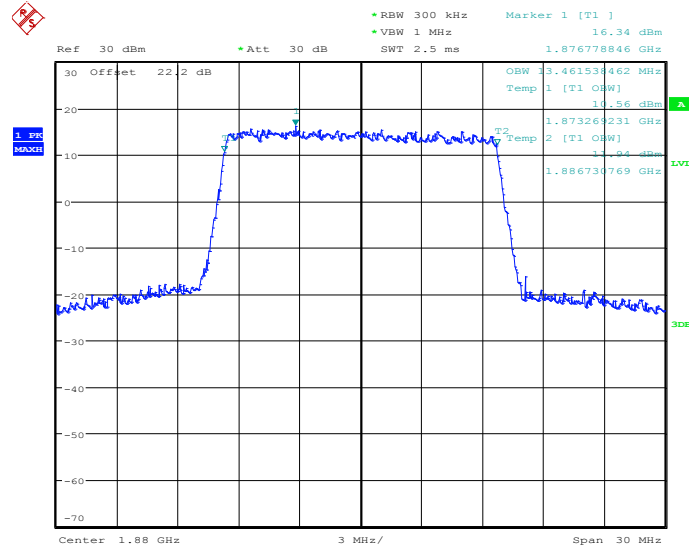


Date: 27.AUG.2013 17:57:05



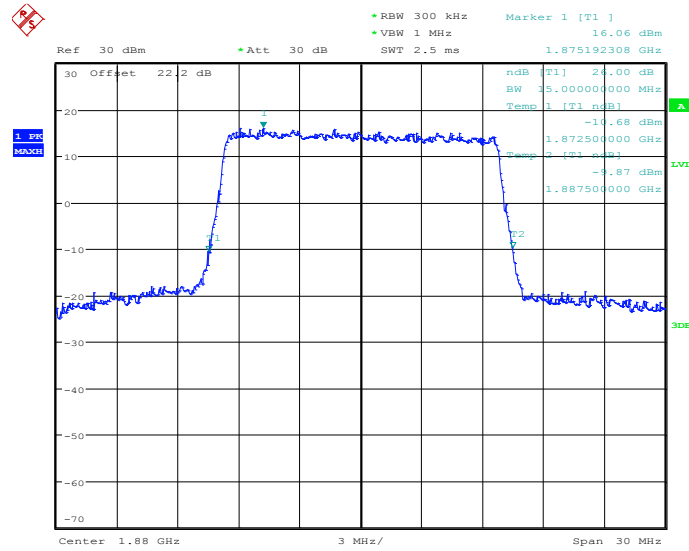
Band :	LTE Band 2	BW / Mod. :	15MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 18900



Date: 27.AUG.2013 18:12:12

26dB Bandwidth Plot on Channel 18900

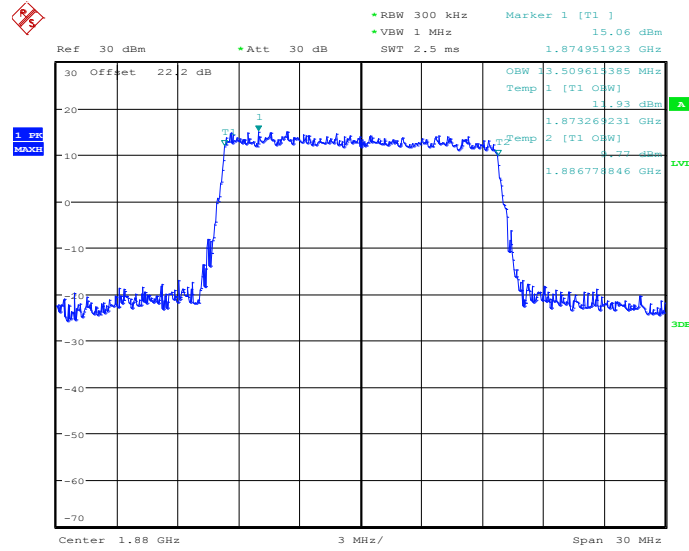


Date: 27.AUG.2013 17:58:05



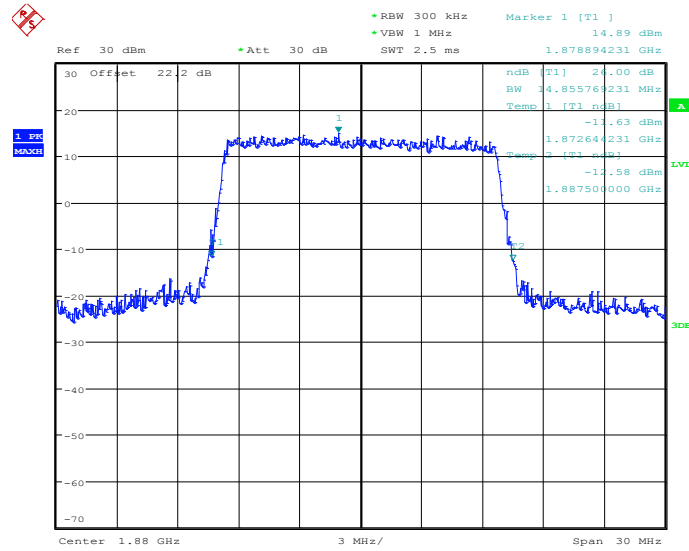
Band :	LTE Band 2	BW / Mod. :	15MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 18900



Date: 27.AUG.2013 18:12:25

26dB Bandwidth Plot on Channel 18900

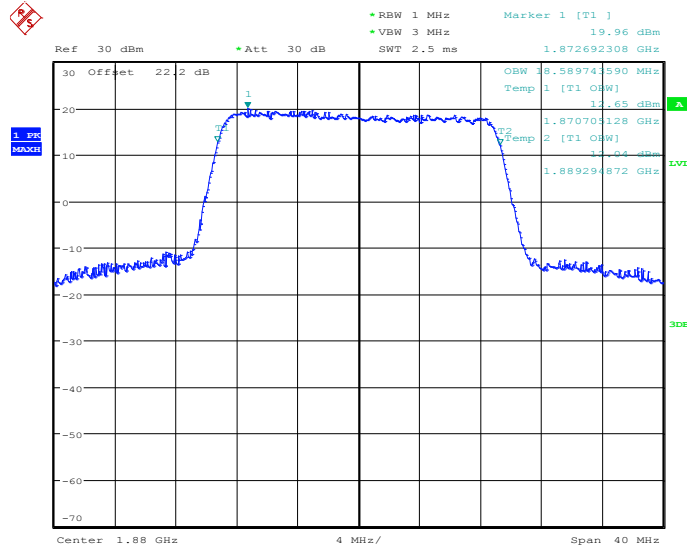


Date: 27.AUG.2013 17:58:15



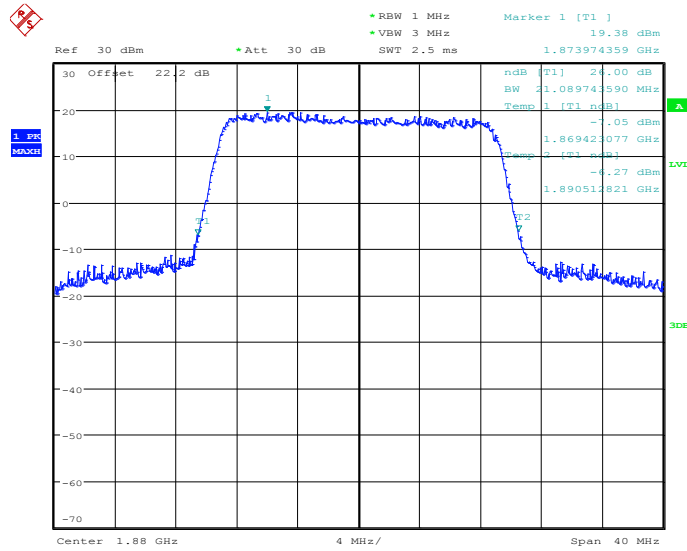
Band :	LTE Band 2	BW / Mod. :	20MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 18900



Date: 27.AUG.2013 18:05:09

26dB Bandwidth Plot on Channel 18900

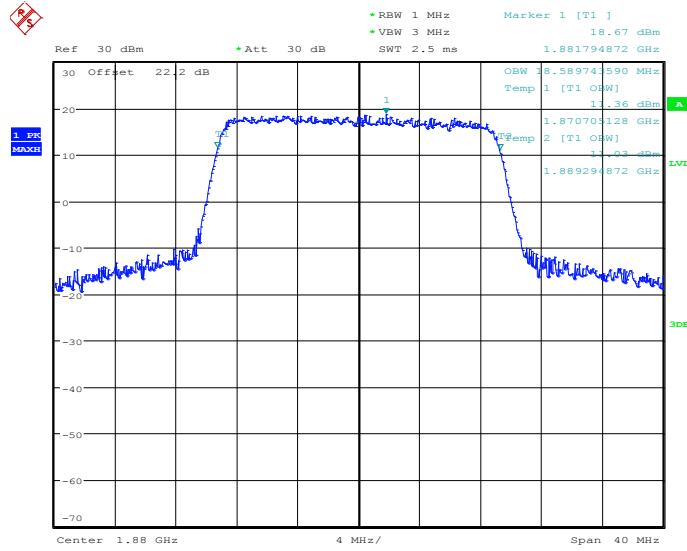


Date: 27.AUG.2013 18:00:50



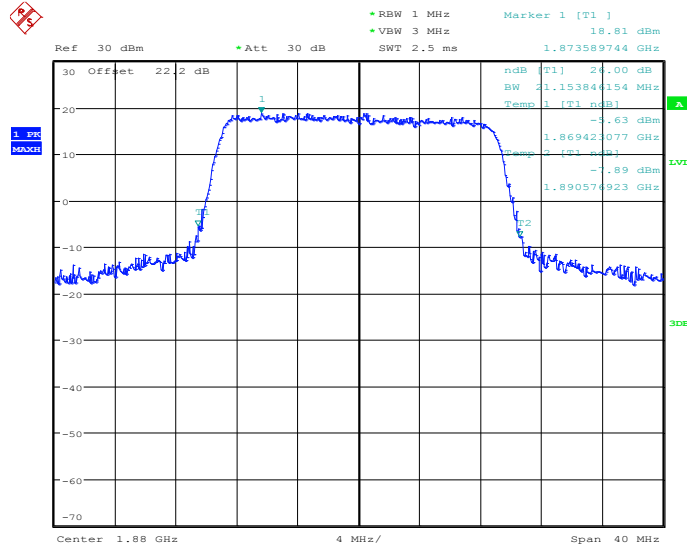
<b>Band :</b>	LTE Band 2	<b>BW / Mod. :</b>	20MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 18900



Date: 27.AUG.2013 18:05:20

26dB Bandwidth Plot on Channel 18900



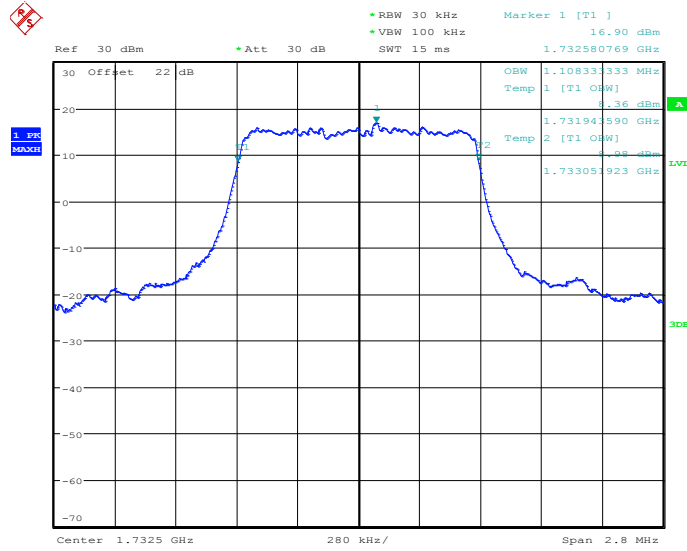
Date: 27.AUG.2013 18:00:40





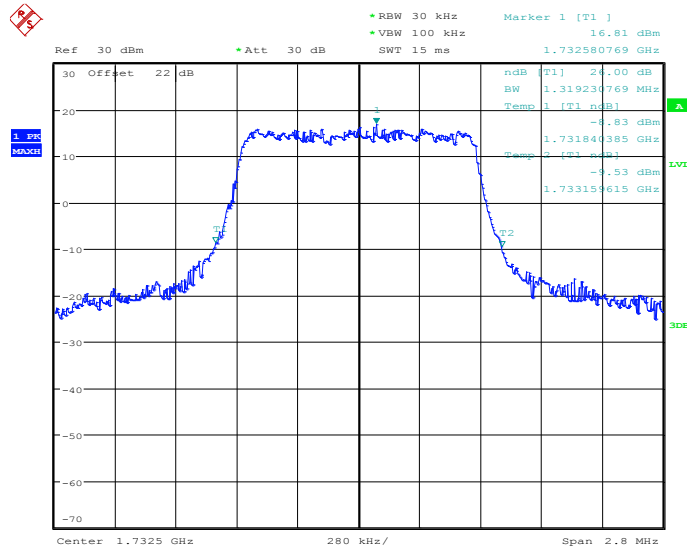
<b>Band :</b>	LTE Band 4	<b>BW / Mod. :</b>	1.4MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 20175



Date: 27.AUG.2013 11:42:25

26dB Bandwidth Plot on Channel 20175

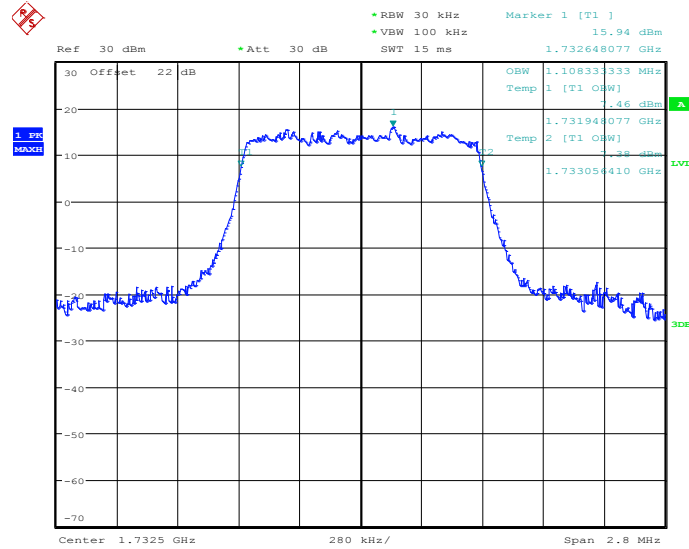


Date: 27.AUG.2013 14:13:18



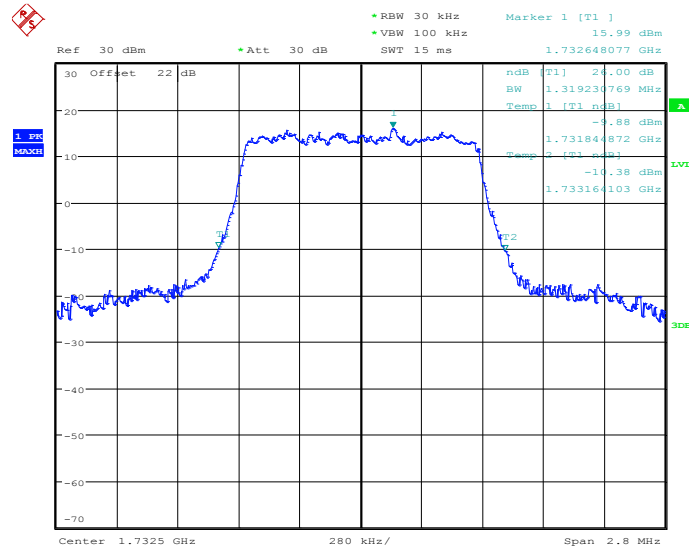
<b>Band :</b>	LTE Band 4	<b>BW / Mod. :</b>	1.4MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 20175



Date: 27.AUG.2013 11:43:18

26dB Bandwidth Plot on Channel 20175

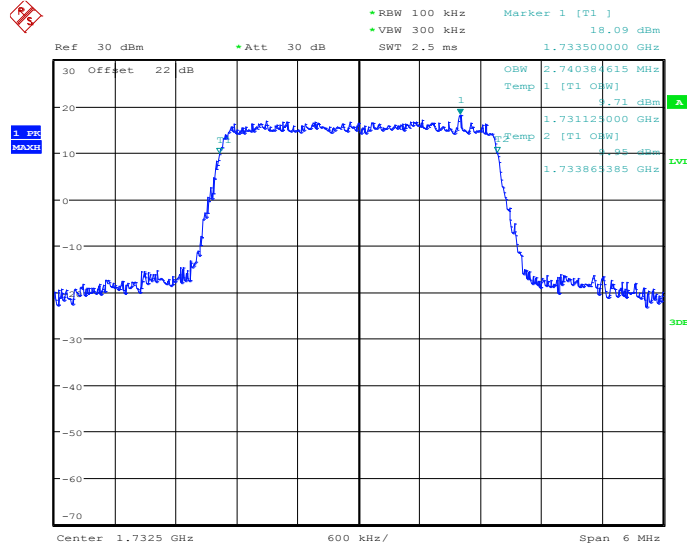


Date: 27.AUG.2013 14:13:04



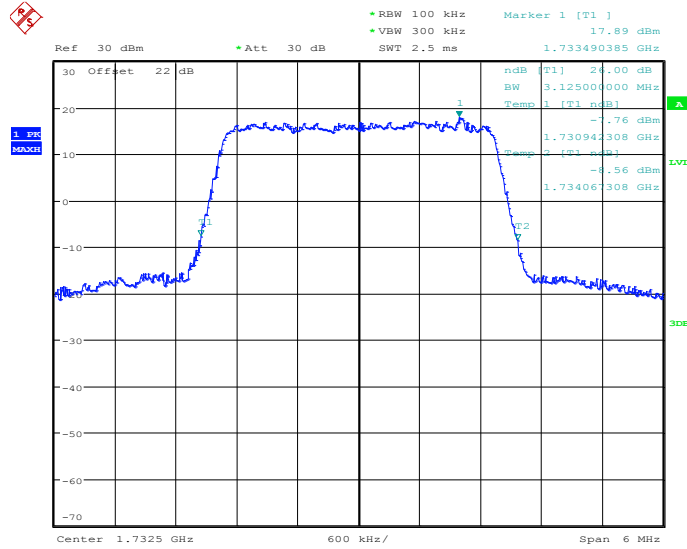
Band :	LTE Band 4	BW / Mod. :	3MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 20175



Date: 27.AUG.2013 11:44:04

26dB Bandwidth Plot on Channel 20175

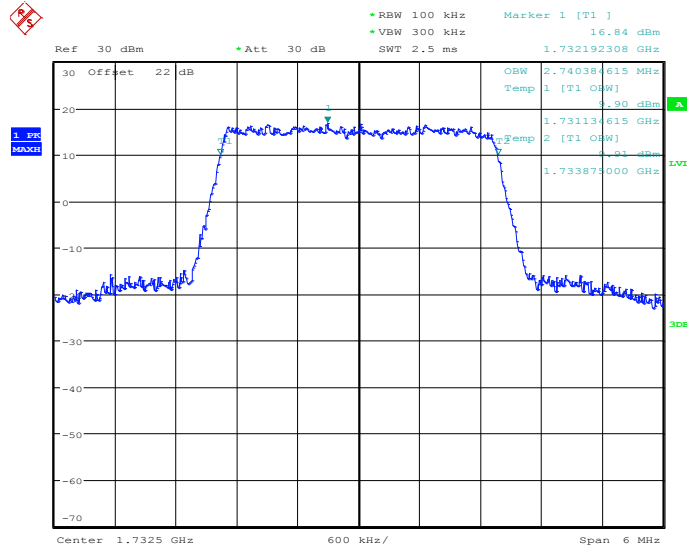


Date: 27.AUG.2013 14:12:15



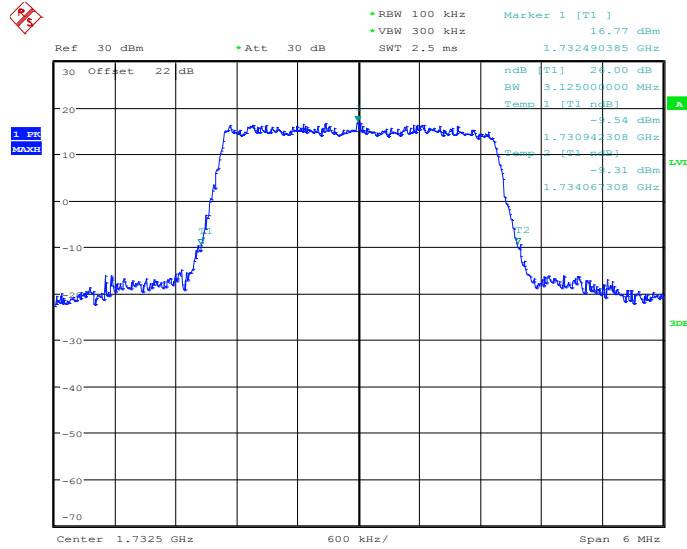
Band :	LTE Band 4	BW / Mod. :	3MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 20175



Date: 27.AUG.2013 11:43:53

26dB Bandwidth Plot on Channel 20175

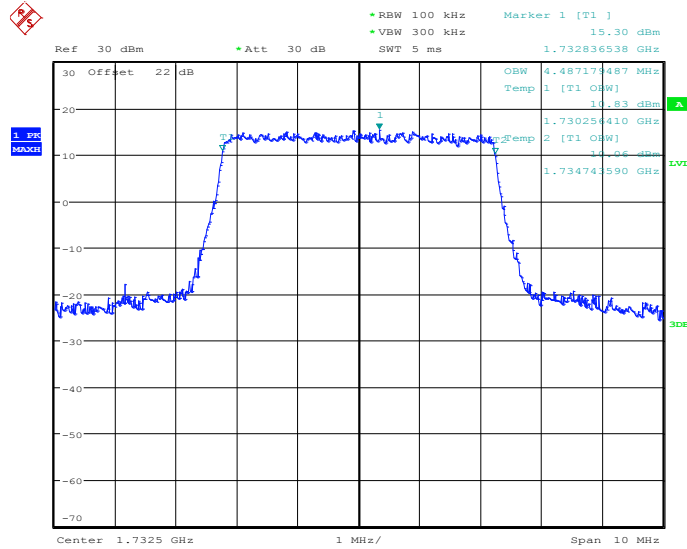


Date: 27.AUG.2013 14:12:33



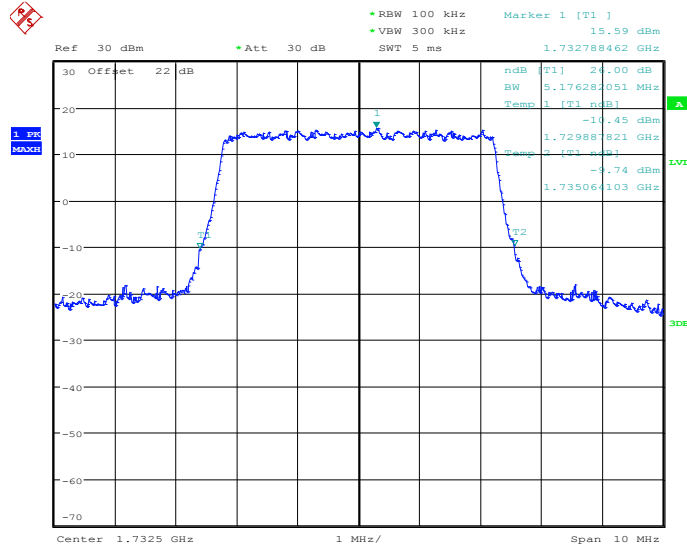
Band :	LTE Band 4	BW / Mod. :	5MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 20175



Date: 27.AUG.2013 11:44:30

26dB Bandwidth Plot on Channel 20175

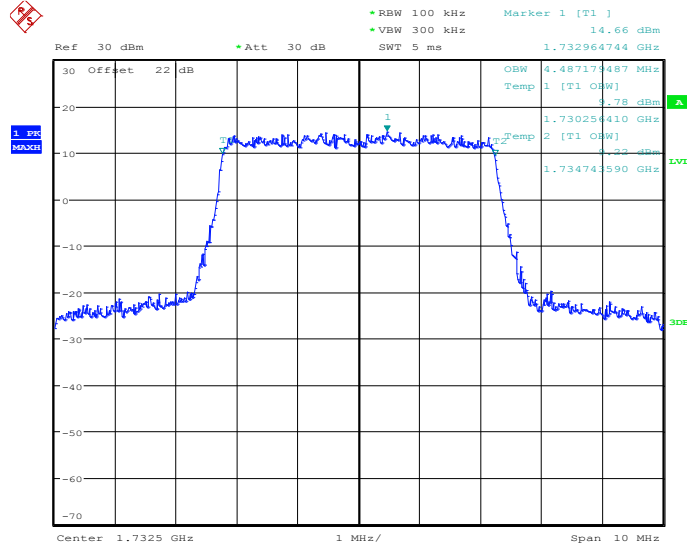


Date: 27.AUG.2013 14:11:44



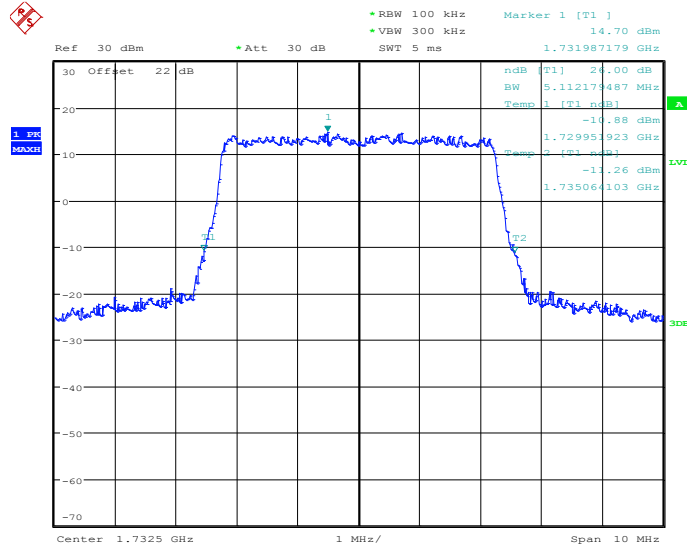
<b>Band :</b>	LTE Band 4	<b>BW / Mod. :</b>	5MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 20175



Date: 27.AUG.2013 11:44:43

26dB Bandwidth Plot on Channel 20175

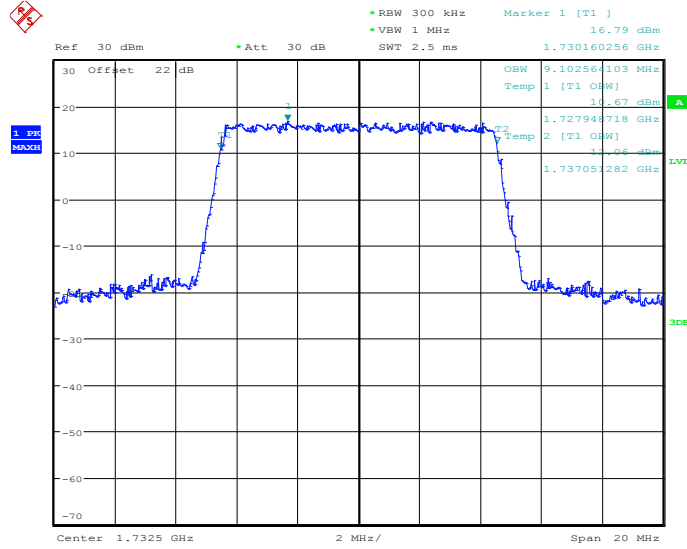


Date: 27.AUG.2013 14:11:16



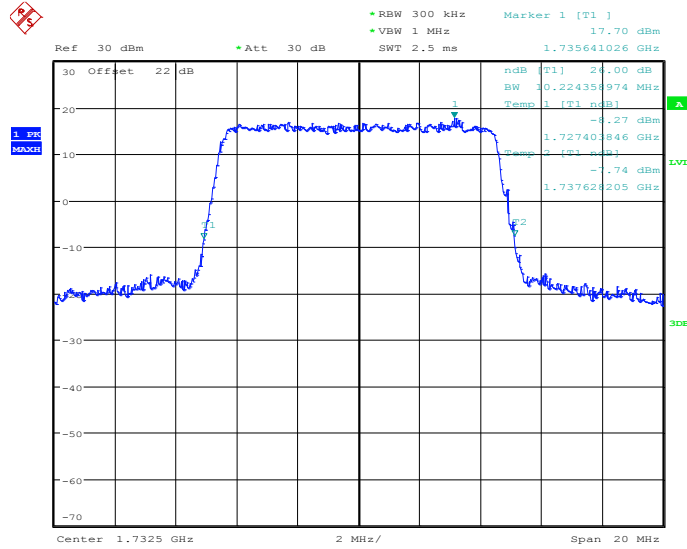
Band :	LTE Band 4	BW / Mod. :	10MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 20175



Date: 27.AUG.2013 11:45:35

26dB Bandwidth Plot on Channel 20175

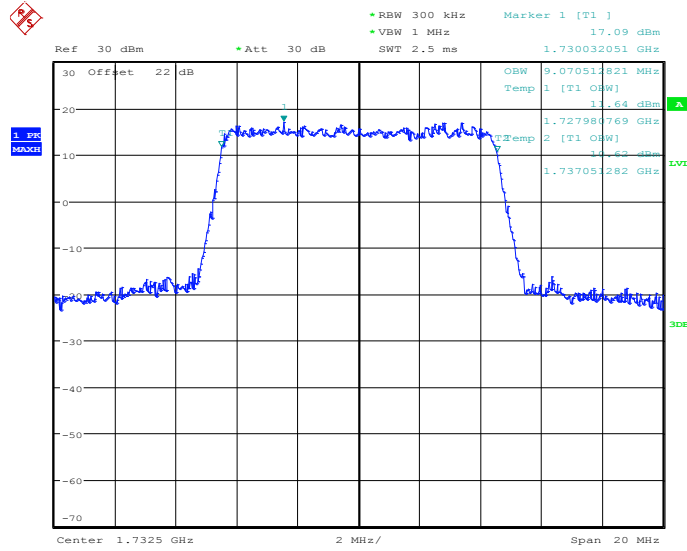


Date: 27.AUG.2013 14:10:26



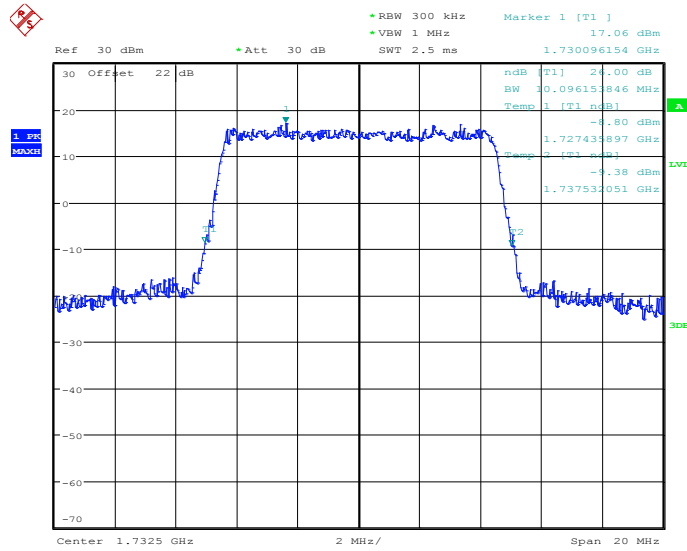
Band :	LTE Band 4	BW / Mod. :	10MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 20175



Date: 27.AUG.2013 11:45:17

26dB Bandwidth Plot on Channel 20175



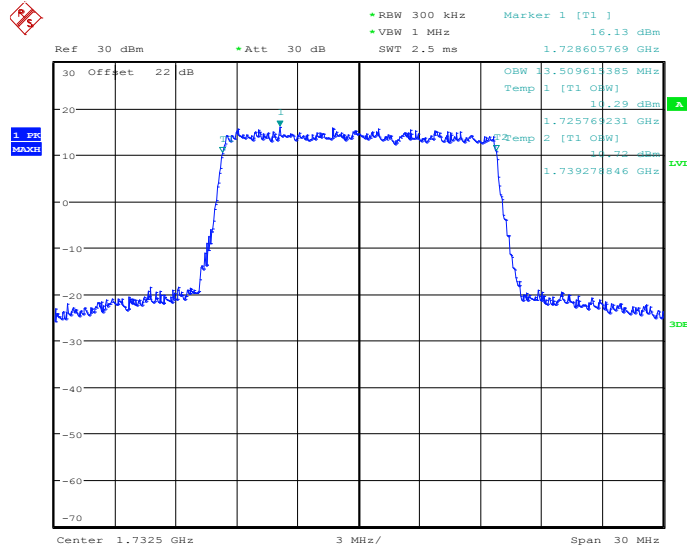
Date: 27.AUG.2013 14:10:39





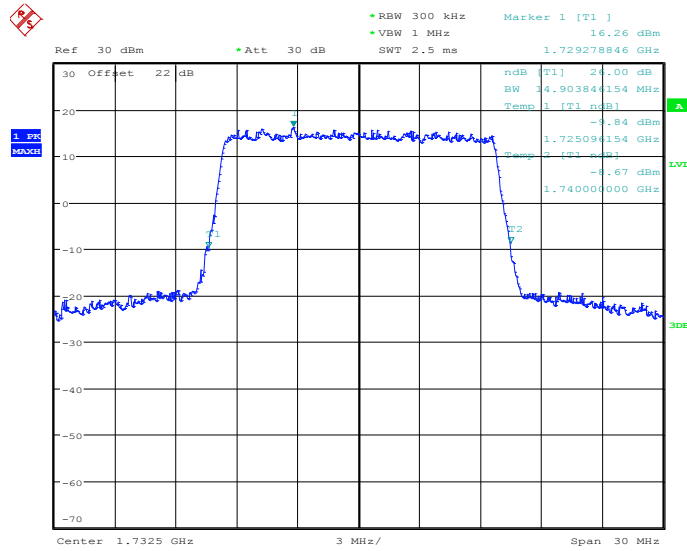
<b>Band :</b>	LTE Band 4	<b>BW / Mod. :</b>	15MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 20175



Date: 27.AUG.2013 11:46:28

26dB Bandwidth Plot on Channel 20175

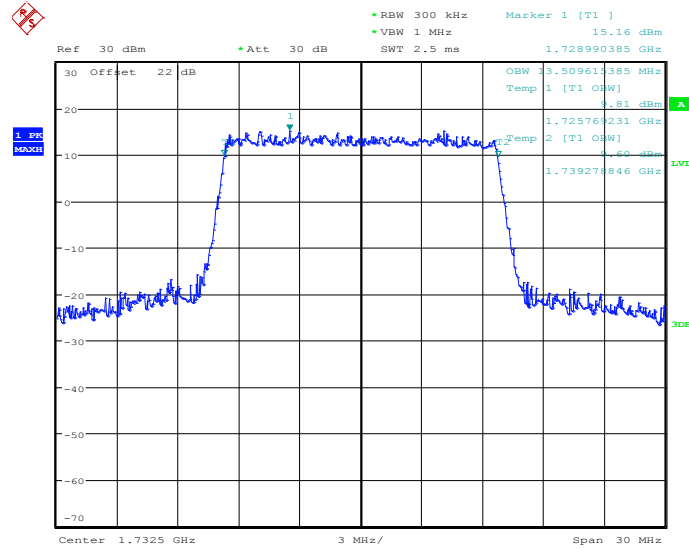


Date: 27.AUG.2013 14:09:55



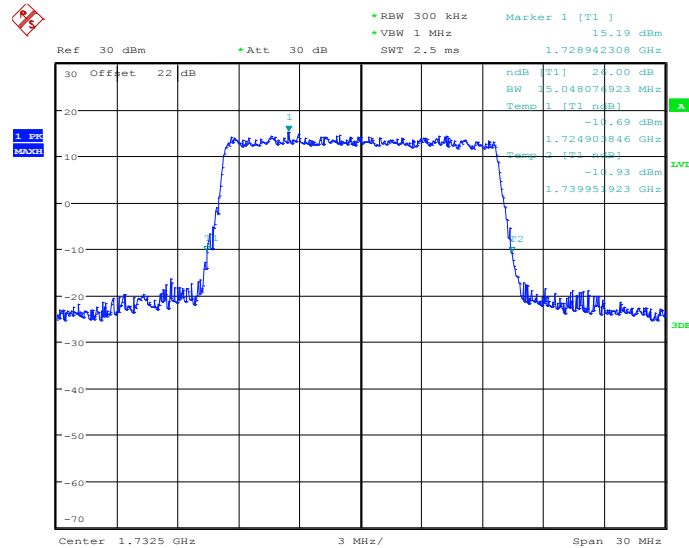
Band :	LTE Band 4	BW / Mod. :	15MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 20175



Date: 27.AUG.2013 11:46:46

26dB Bandwidth Plot on Channel 20175

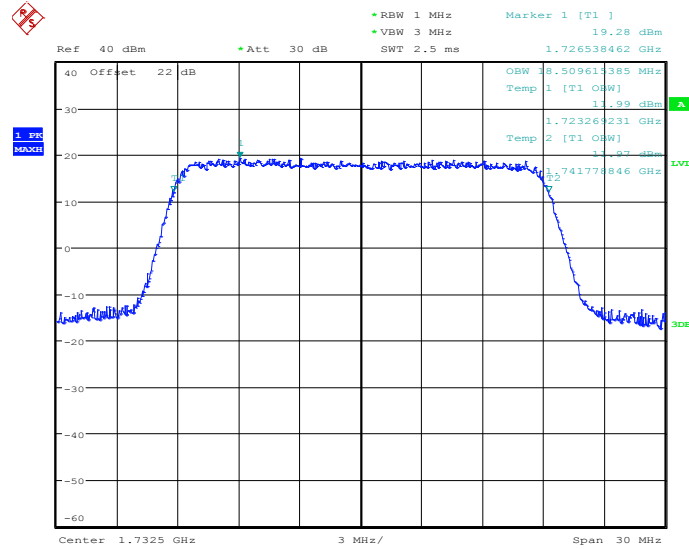


Date: 27.AUG.2013 14:09:31



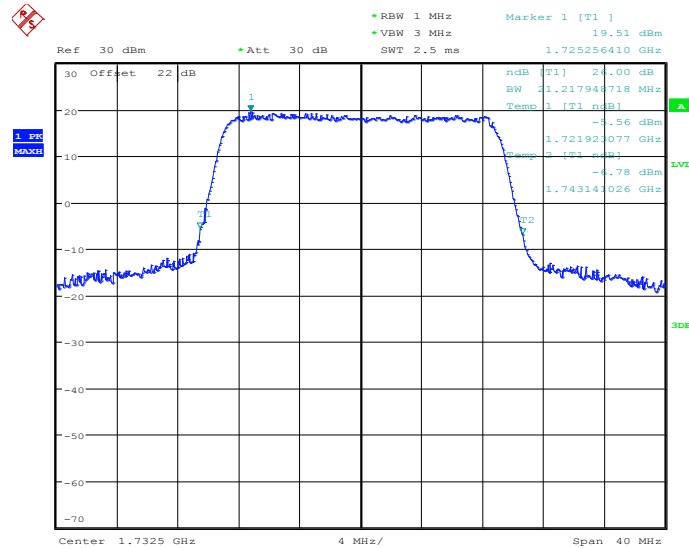
<b>Band :</b>	LTE Band 4	<b>BW / Mod. :</b>	20MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 20175



Date: 27.AUG.2013 11:49:08

26dB Bandwidth Plot on Channel 20175

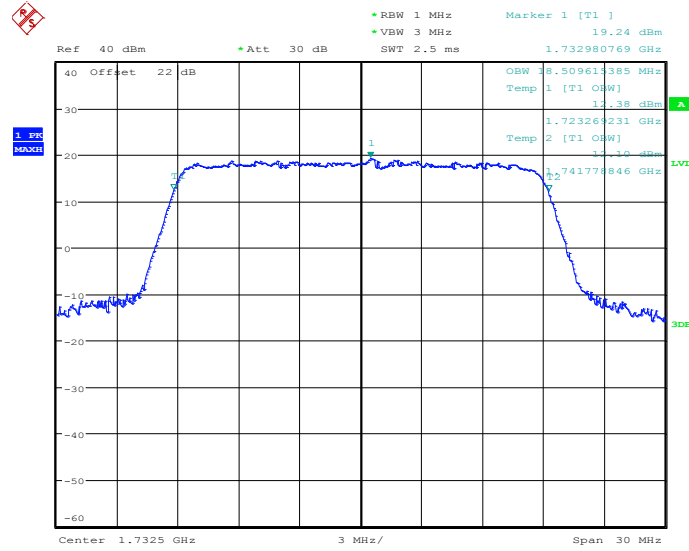


Date: 27.AUG.2013 14:08:29



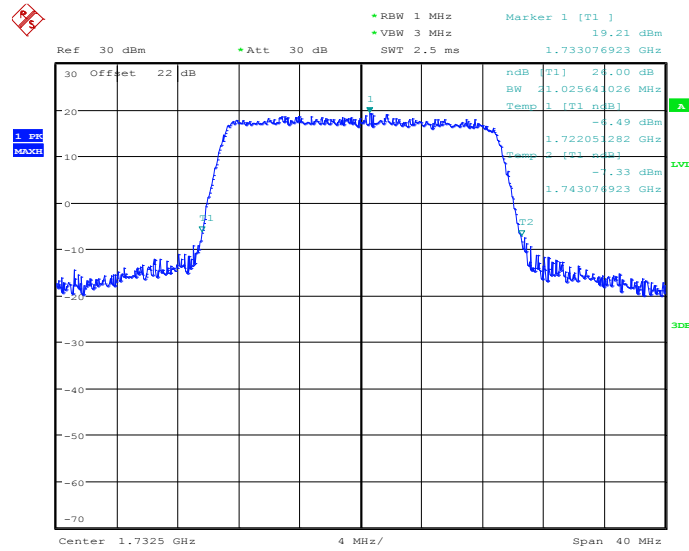
<b>Band :</b>	LTE Band 4	<b>BW / Mod. :</b>	20MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 20175



Date: 27.AUG.2013 11:48:57

26dB Bandwidth Plot on Channel 20175

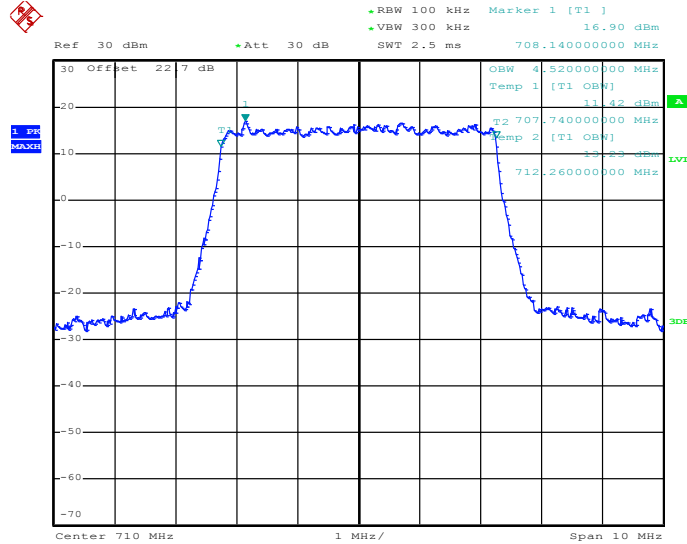


Date: 27.AUG.2013 14:09:04



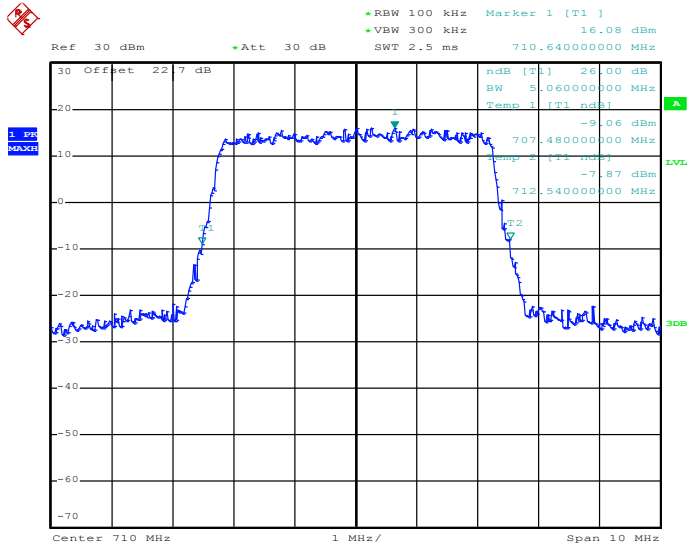
Band :	LTE Band 17	BW / Mod. :	5MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 23790



Date: 3.SEP.2013 10:00:04

26dB Bandwidth Plot on Channel 23790

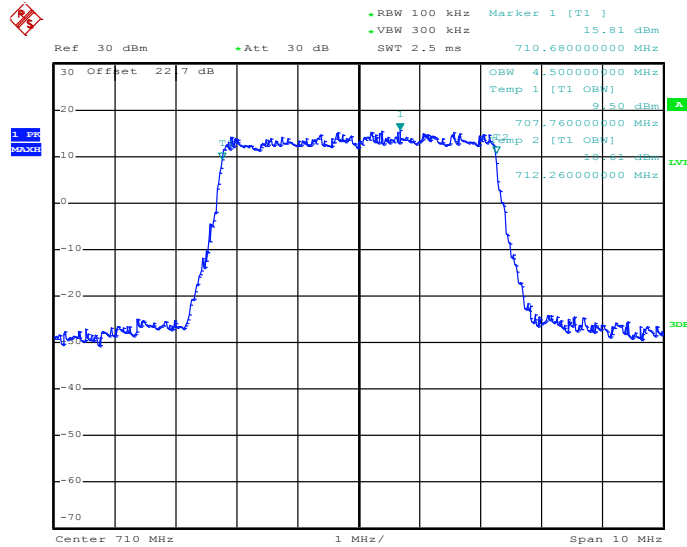


Date: 3.SEP.2013 10:09:10



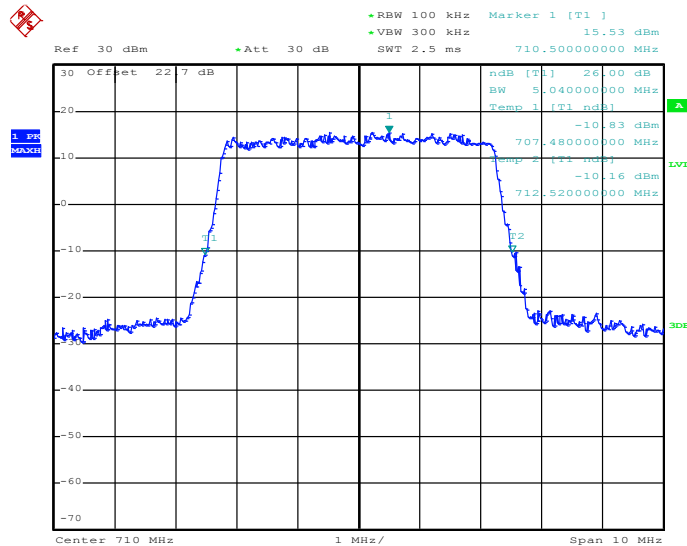
Band :	LTE Band 17	BW / Mod. :	5MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 23790



Date: 3.SEP.2013 10:00:24

26dB Bandwidth Plot on Channel 23790

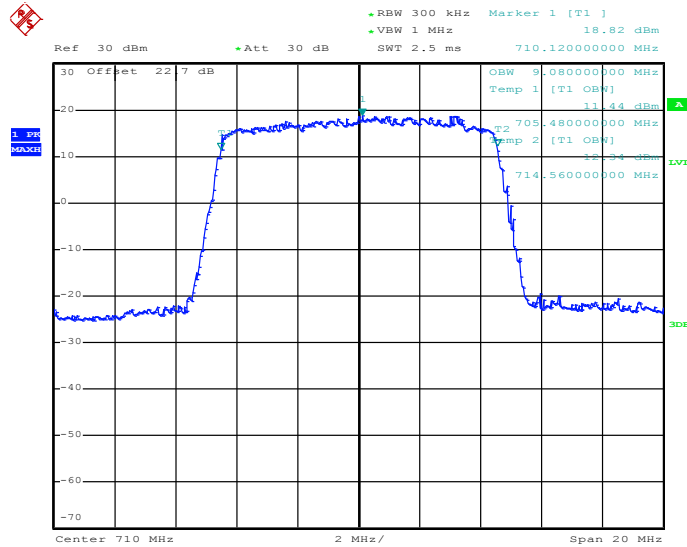


Date: 3.SEP.2013 10:08:53



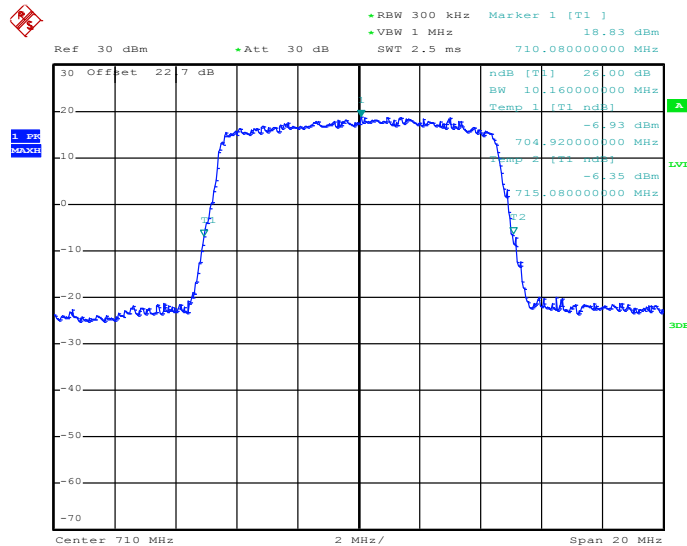
<b>Band :</b>	LTE Band 17	<b>BW / Mod. :</b>	10MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 23790



Date: 3.SEP.2013 10:04:39

26dB Bandwidth Plot on Channel 23790

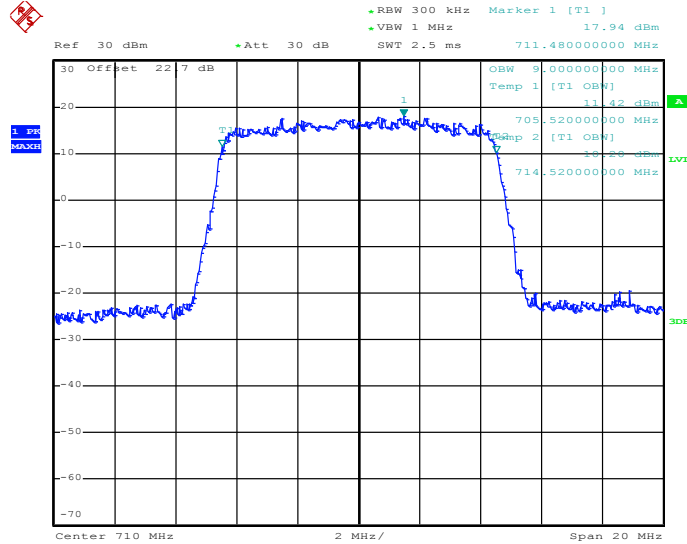


Date: 3.SEP.2013 10:07:48



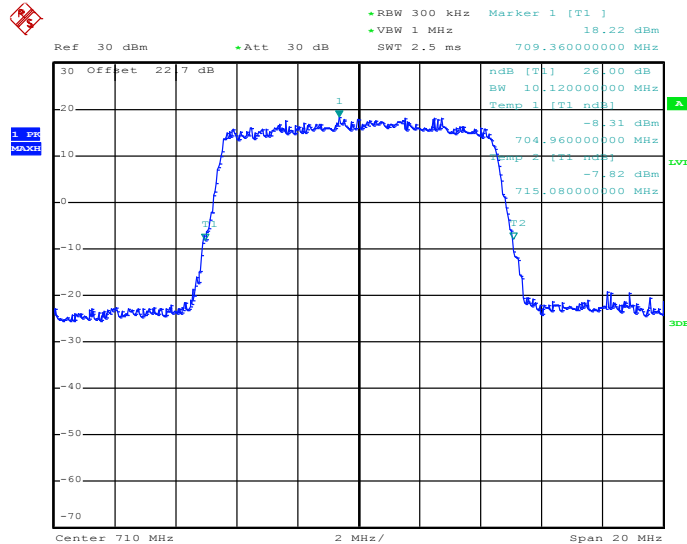
Band :	LTE Band 17	BW / Mod. :	10MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 23790



Date: 3.SEP.2013 10:04:55

26dB Bandwidth Plot on Channel 23790



Date: 3.SEP.2013 10:08:10





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

24.238 (a) For Band 2

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

27.53 (g) For Band 17

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

27.53 (h) For Band 4

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

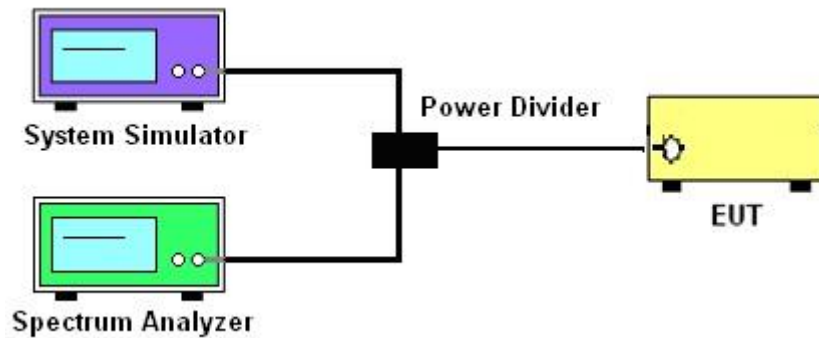
### 3.4.2 Measuring Instruments

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  $RBW \geq 1\% EBW$ , 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  $43 + 10\log(P)$ dB below the transmitter power P(Watts)  
 $= P(W) - [43 + 10\log(P)]$  (dB)  
 $= [30 + 10\log(P)]$  (dBm) -  $[43 + 10\log(P)]$  (dB)  
 $= -13\text{dBm}$ .

### 3.4.4 Test Setup

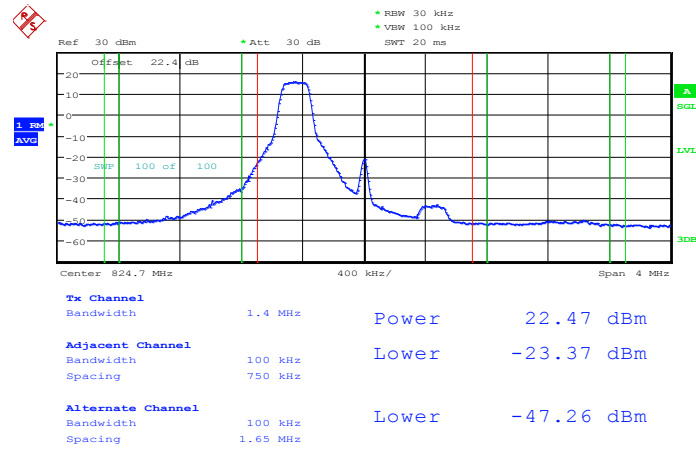




### 3.4.5 Test Result (Plots) of Conducted Band Edge

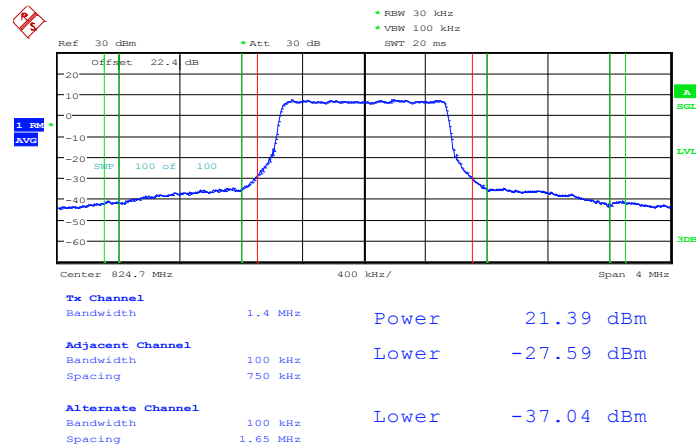
Band :	LTE Band 5	Band Width :	1.4MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 3.SEP.2013 14:28:56

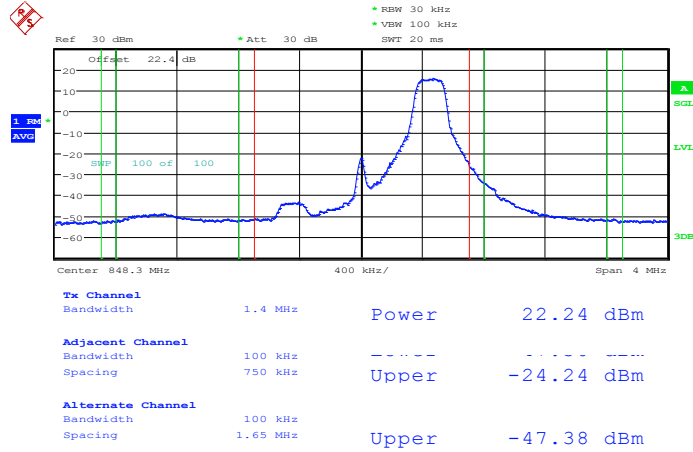
Lower Band Edge Plot for QPSK-RB Size 6, RB Offset 0



Date: 3.SEP.2013 14:29:46

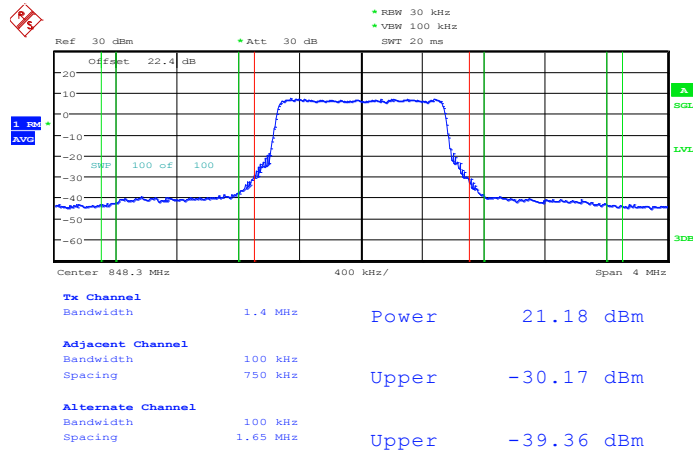


Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 5



Date: 3.SEP.2013 14:28:11

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

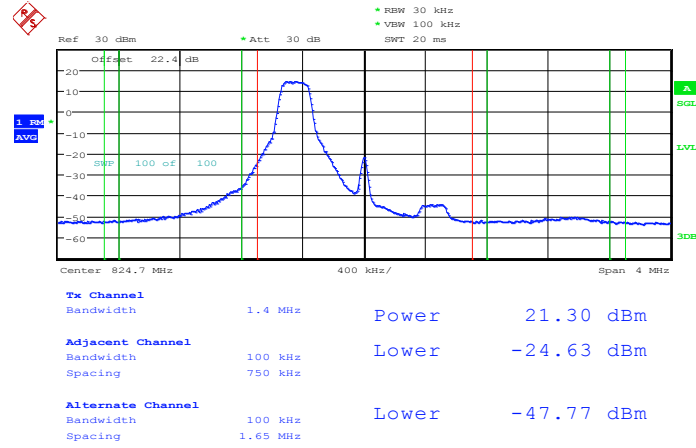


Date: 3.SEP.2013 14:27:22



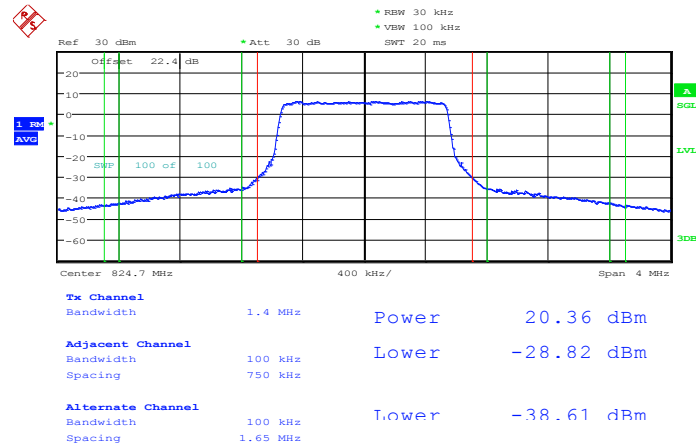
<b>Band :</b>	LTE Band 5	<b>Band Width :</b>	1.4MHz / 16QAM
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Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



Date: 3.SEP.2013 14:29:15

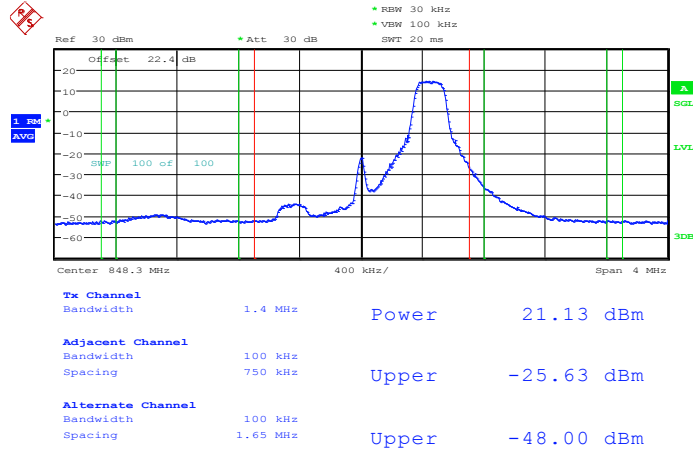
Lower Band Edge Plot for 16QAM -RB Size 6, RB Offset 0



Date: 3.SEP.2013 14:29:33

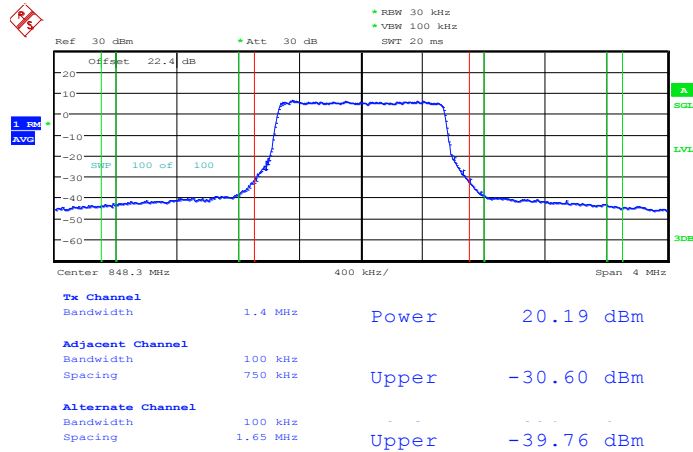


Higher Band Edge Plot for 16QAM -RB Size 1, RB Offset 5



Date: 3.SEP.2013 14:27:58

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

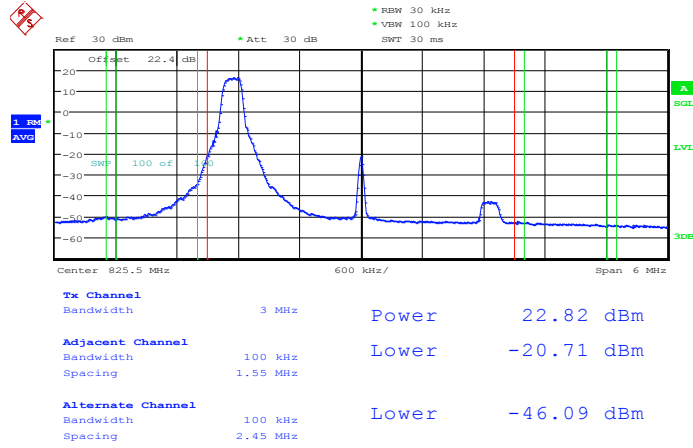


Date: 3.SEP.2013 14:27:35



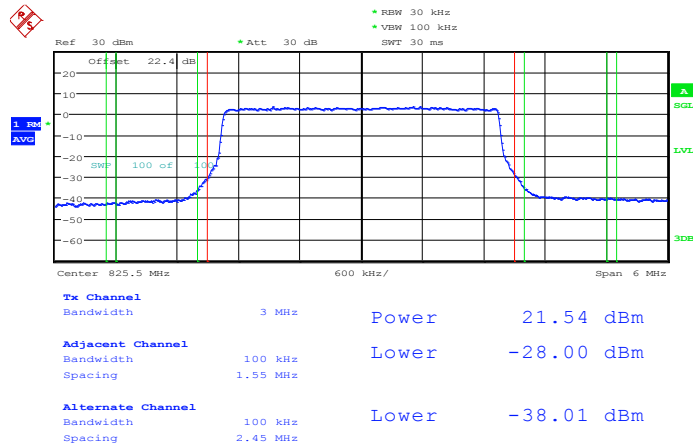
<b>Band :</b>	LTE Band 5	<b>Band Width :</b>	3MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 3.SEP.2013 14:22:54

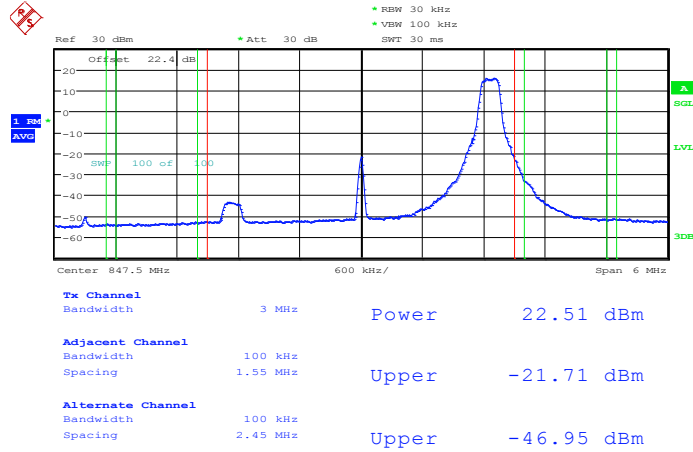
Lower Band Edge Plot for QPSK-RB Size 15, RB Offset 0



Date: 3.SEP.2013 14:22:07

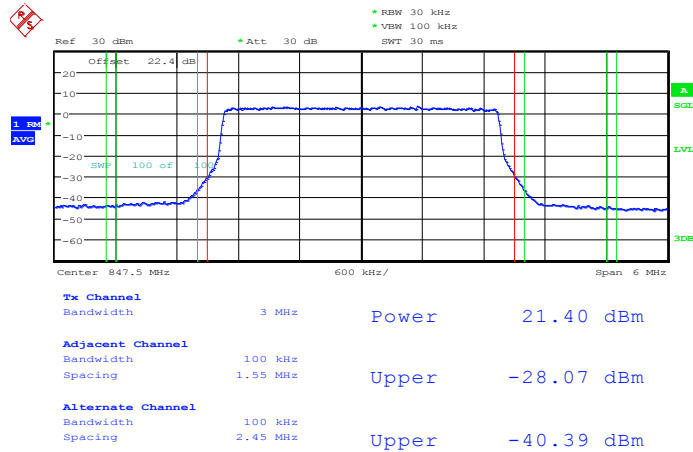


Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 14



Date: 3.SEP.2013 14:23:44

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



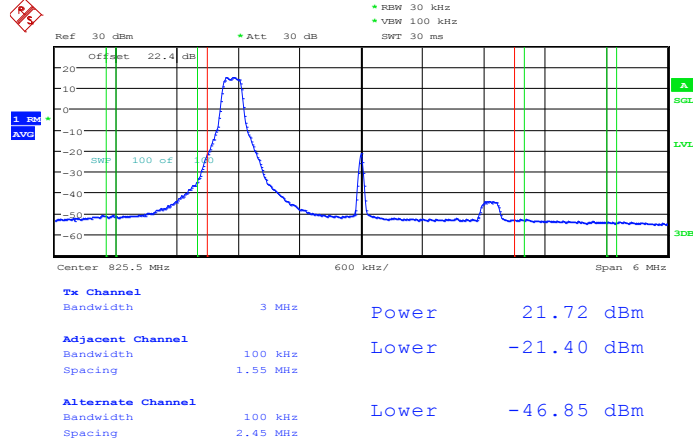
Date: 3.SEP.2013 14:24:39





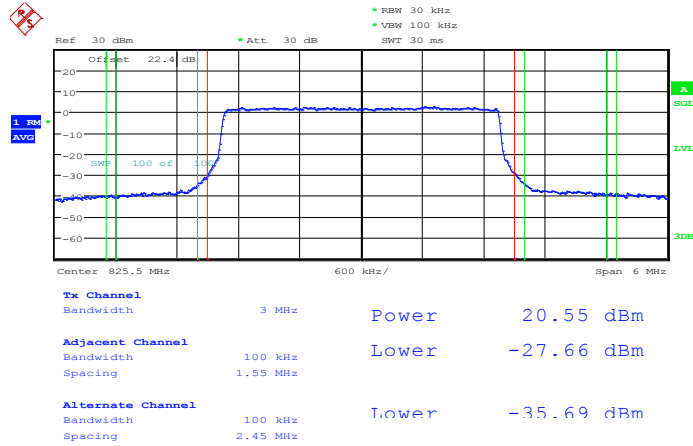
<b>Band :</b>	LTE Band 5	<b>Band Width :</b>	3MHz / 16QAM
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Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



Date: 3.SEP.2013 14:22:38

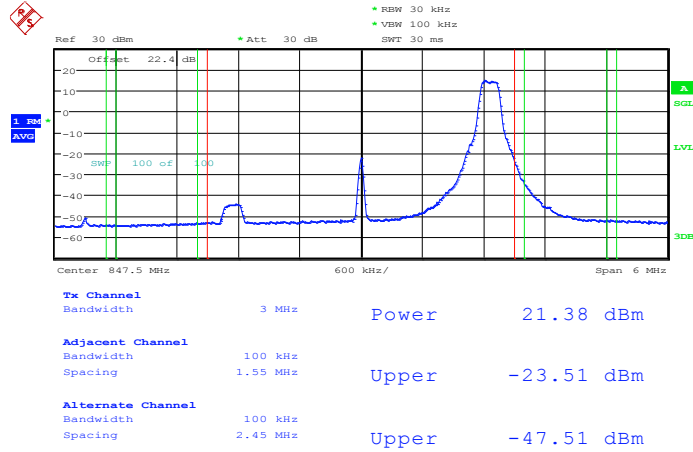
Lower Band Edge Plot for 16QAM -RB Size 15, RB Offset 0



Date: 3.SEP.2013 14:22:23

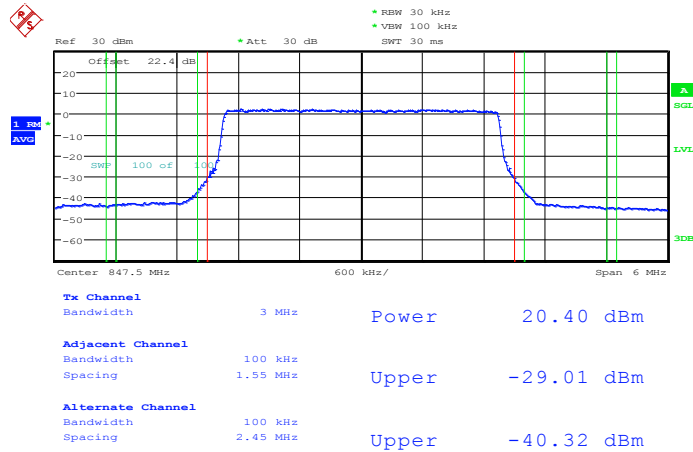


Higher Band Edge Plot for 16QAM -RB Size 1, RB Offset 14



Date: 3.SEP.2013 14:24:00

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

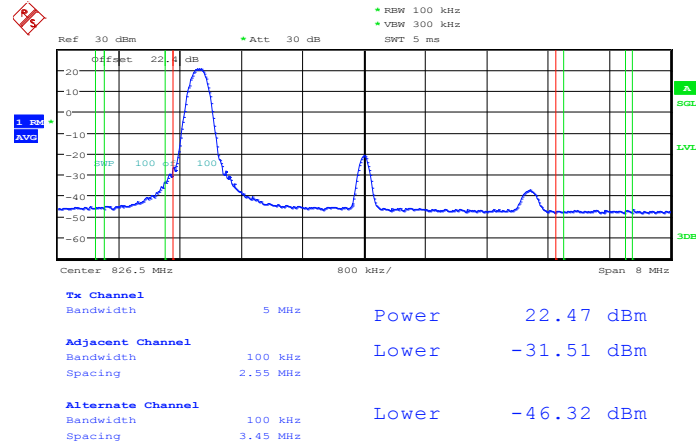


Date: 3.SEP.2013 14:24:25



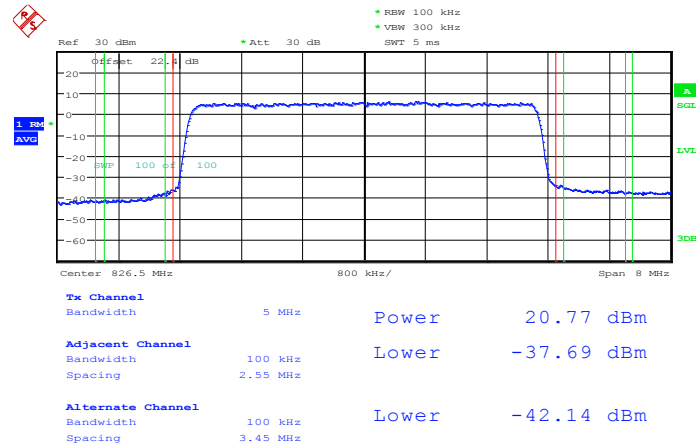
<b>Band :</b>	LTE Band 5	<b>Band Width :</b>	5MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 3.SEP.2013 14:18:54

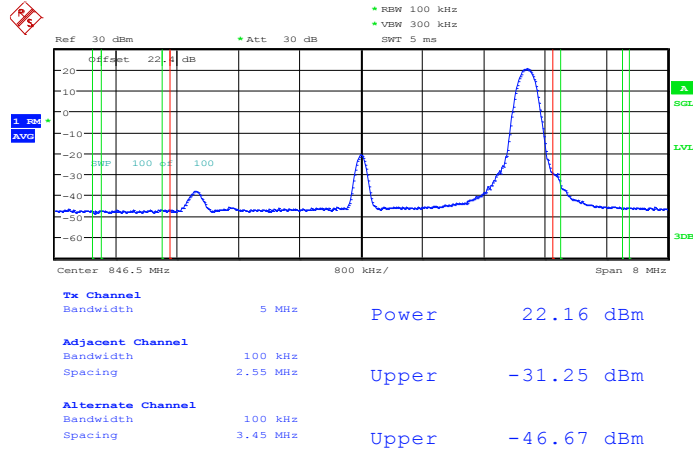
Lower Band Edge Plot for QPSK-RB Size 25, RB Offset 0



Date: 3.SEP.2013 14:19:35

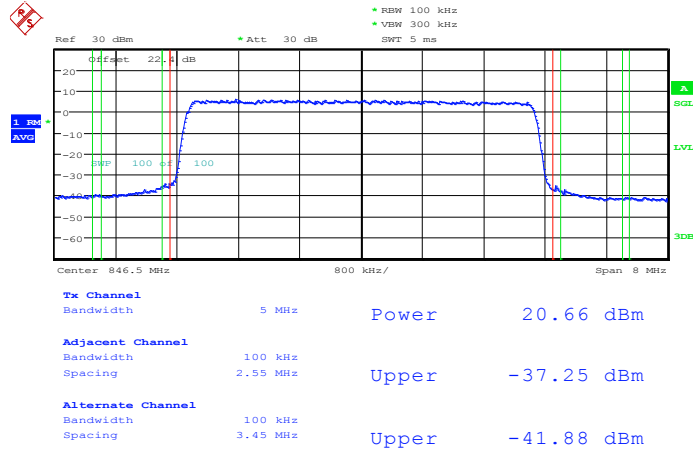


Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 24



Date: 3.SEP.2013 14:17:09

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

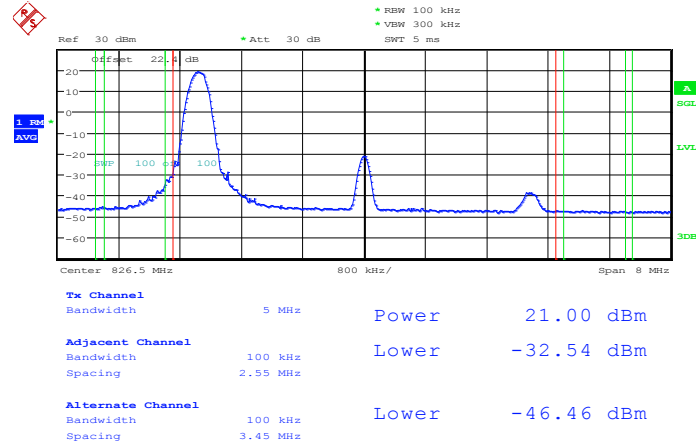


Date: 3.SEP.2013 14:15:47



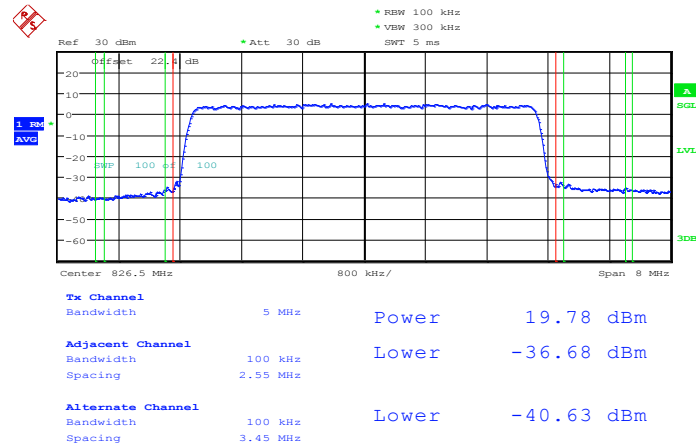
<b>Band :</b>	LTE Band 5	<b>Band Width :</b>	5MHz / 16QAM
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Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



Date: 3.SEP.2013 14:19:07

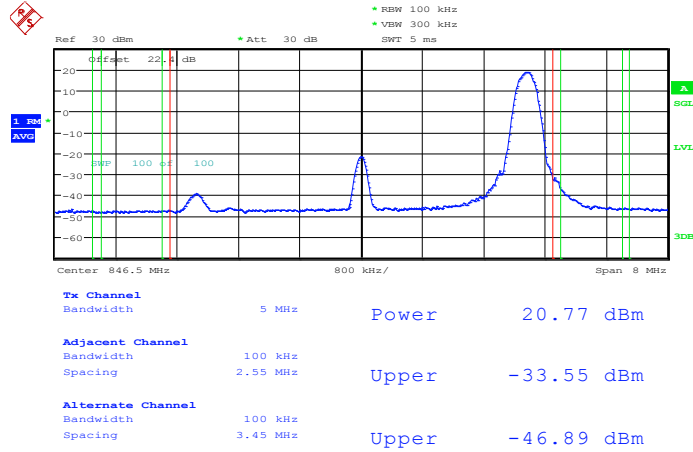
Lower Band Edge Plot for 16QAM -RB Size 25, RB Offset 0



Date: 3.SEP.2013 14:19:22

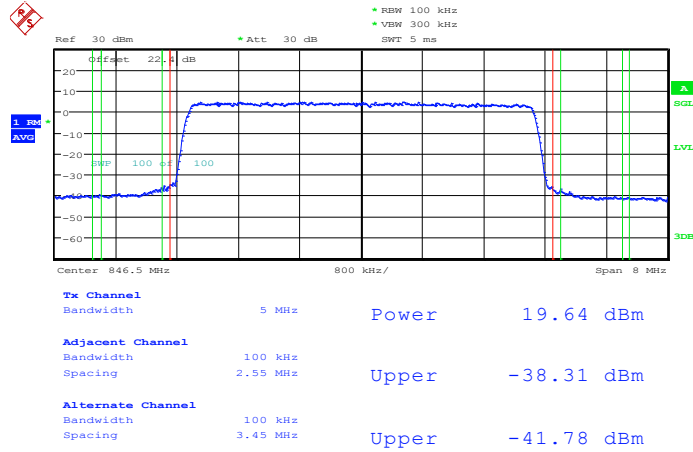


Higher Band Edge Plot for 16QAM -RB Size 1, RB Offset 24



Date: 3.SEP.2013 14:17:21

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

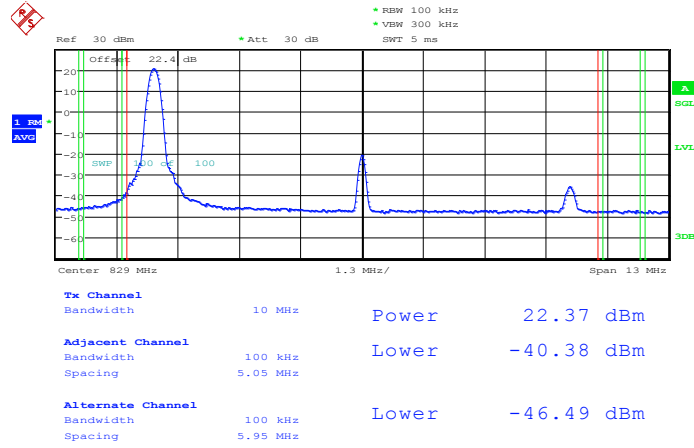


Date: 3.SEP.2013 14:16:04



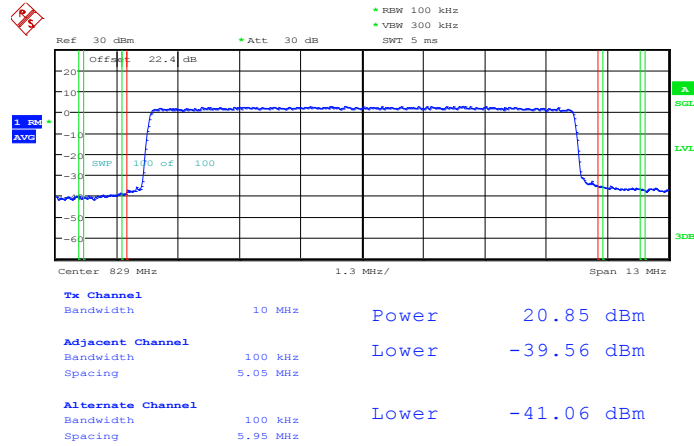
<b>Band :</b>	LTE Band 5	<b>Band Width :</b>	10MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 3.SEP.2013 14:10:44

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



Date: 3.SEP.2013 14:09:48

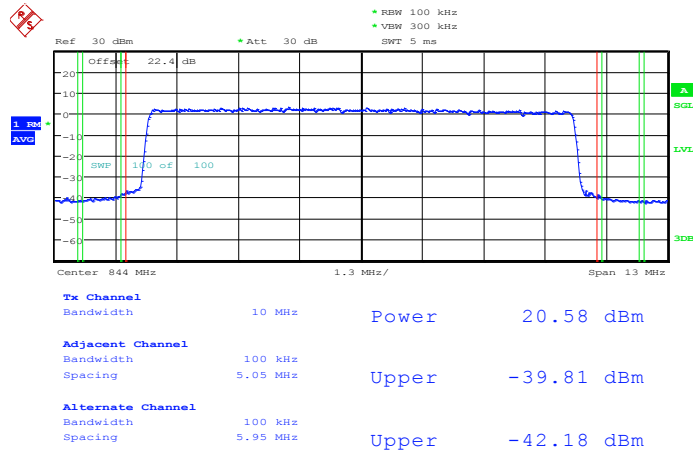


Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 49



Date: 3.SEP.2013 14:12:13

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



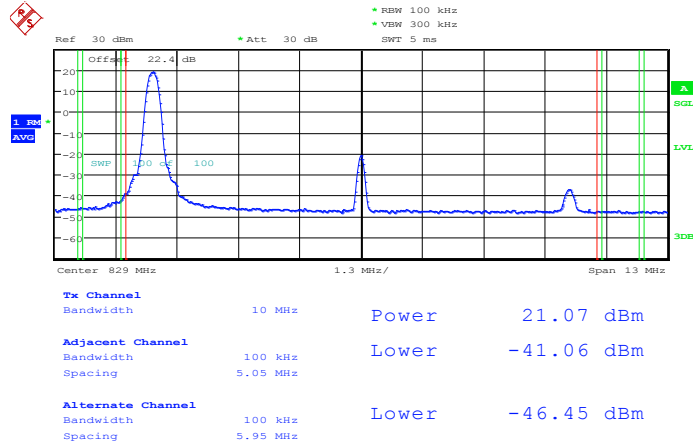
Date: 3.SEP.2013 14:13:14





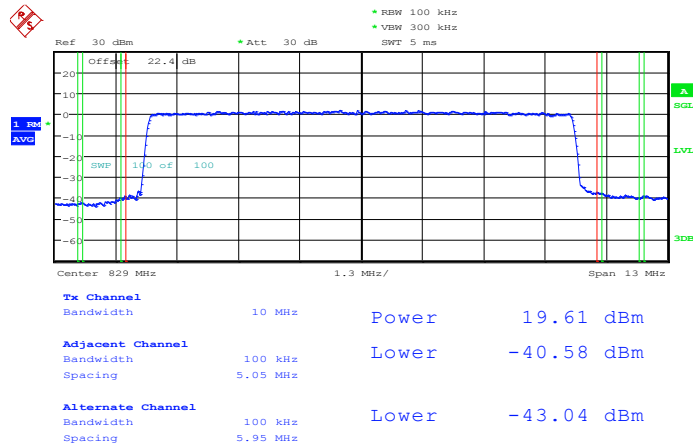
<b>Band :</b>	LTE Band 5	<b>Band Width :</b>	10MHz / 16QAM
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Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



Date: 3.SEP.2013 14:10:26

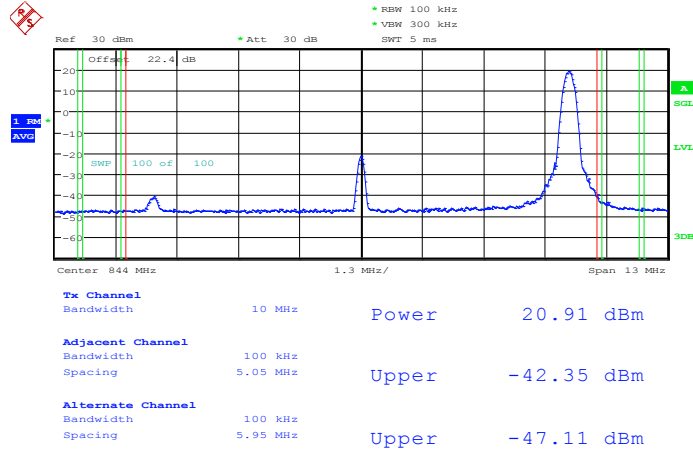
Lower Band Edge Plot for 16QAM -RB Size 50, RB Offset 0



Date: 3.SEP.2013 14:10:05

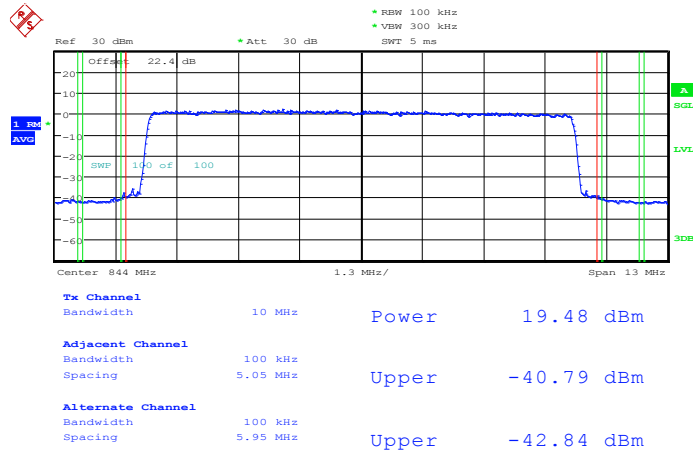


Higher Band Edge Plot for 16QAM -RB Size 1, RB Offset 49



Date: 3.SEP.2013 14:12:29

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

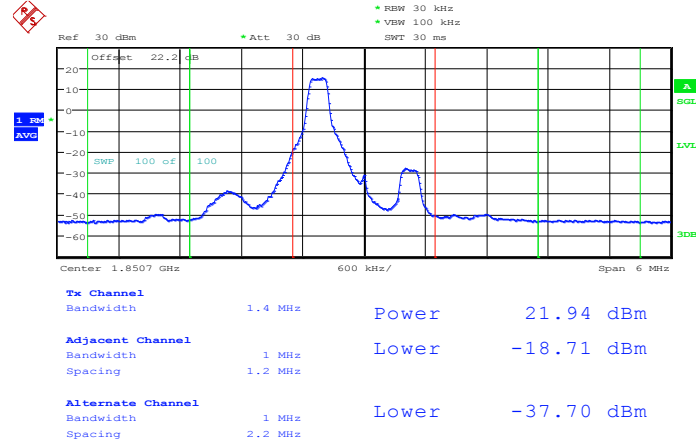


Date: 3.SEP.2013 14:12:59



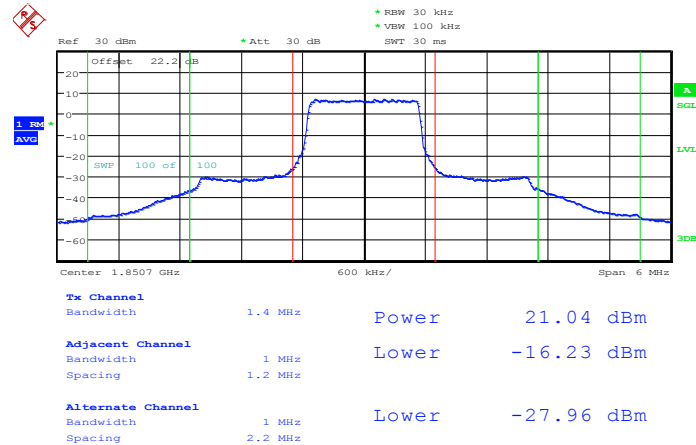
<b>Band :</b>	LTE Band 2	<b>Band Width :</b>	1.4MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 27.AUG.2013 19:12:14

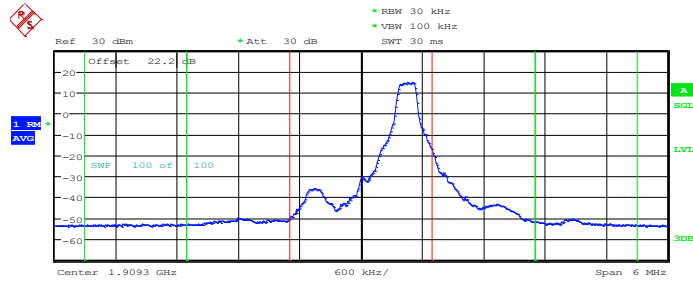
Lower Band Edge Plot for QPSK-RB Size 6, RB Offset 0



Date: 27.AUG.2013 19:11:32



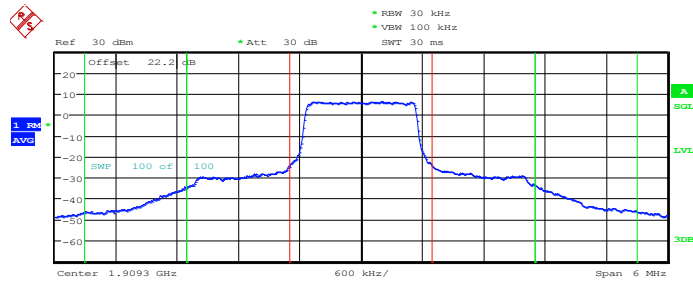
Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 5



<b>Tx Channel</b>	Bandwidth	1.4 MHz	Power	21.60 dBm
<b>Adjacent Channel</b>	Bandwidth	1 MHz	Upper	-17.34 dBm
	Spacing	1.2 MHz		
<b>Alternate Channel</b>	Bandwidth	1 MHz	Upper	-37.74 dBm
	Spacing	2.2 MHz		

Date: 27.AUG.2013 19:13:31

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



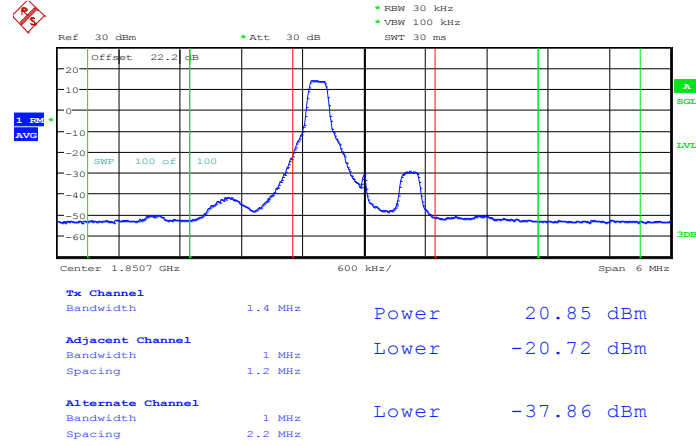
<b>Tx Channel</b>	Bandwidth	1.4 MHz	Power	20.61 dBm
<b>Adjacent Channel</b>	Bandwidth	1 MHz	Upper	-14.16 dBm
	Spacing	1.2 MHz		
<b>Alternate Channel</b>	Bandwidth	1 MHz	-	-
	Spacing	2.2 MHz	Upper	-25.57 dBm

Date: 27.AUG.2013 19:14:31



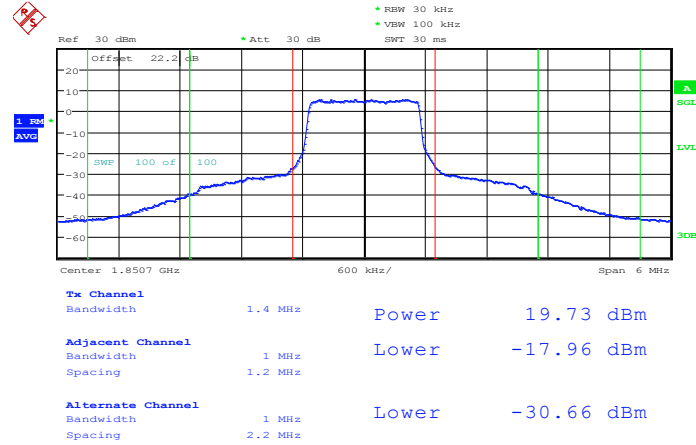
<b>Band :</b>	LTE Band 2	<b>Band Width :</b>	1.4MHz / 16QAM
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Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



Date: 27.AUG.2013 19:12:01

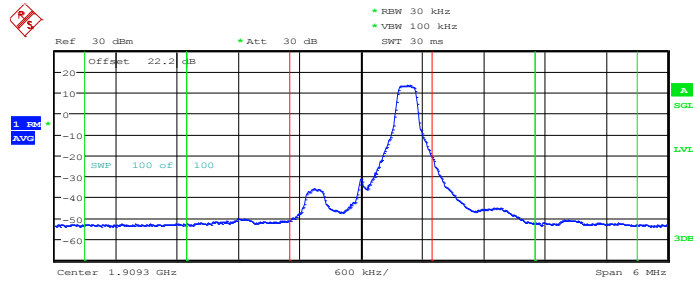
Lower Band Edge Plot for 16QAM -RB Size 6, RB Offset 0



Date: 27.AUG.2013 19:11:46



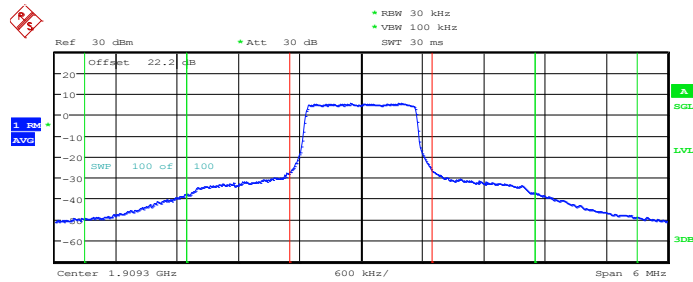
Higher Band Edge Plot for 16QAM -RB Size 1, RB Offset 5



<b>Tx Channel</b>	Bandwidth	1.4 MHz	Power	20.27 dBm
<b>Adjacent Channel</b>	Bandwidth	1 MHz	Upper	-20.39 dBm
	Spacing	1.2 MHz		
<b>Alternate Channel</b>	Bandwidth	1 MHz	Upper	-37.79 dBm
	Spacing	2.2 MHz		

Date: 27.AUG.2013 19:13:45

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



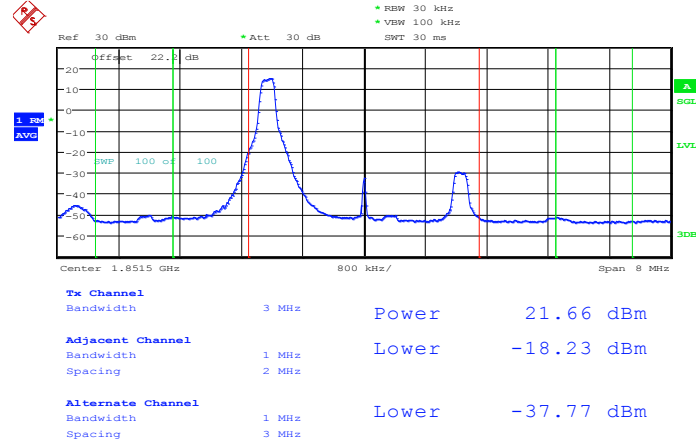
<b>Tx Channel</b>	Bandwidth	1.4 MHz	Power	19.72 dBm
<b>Adjacent Channel</b>	Bandwidth	1 MHz	Upper	-17.33 dBm
	Spacing	1.2 MHz		
<b>Alternate Channel</b>	Bandwidth	1 MHz	Upper	-28.19 dBm
	Spacing	2.2 MHz		

Date: 27.AUG.2013 19:14:17



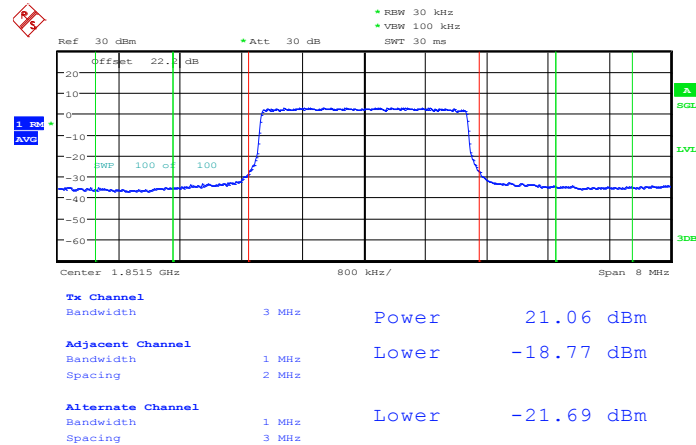
<b>Band :</b>	LTE Band 2	<b>Band Width :</b>	3MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 27.AUG.2013 19:18:35

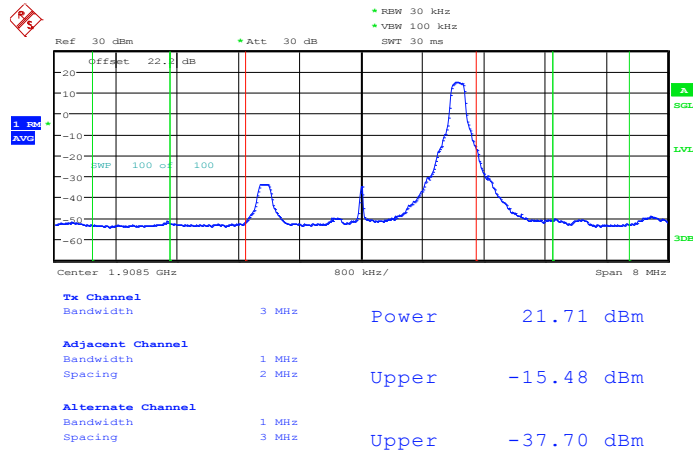
Lower Band Edge Plot for QPSK-RB Size 15, RB Offset 0



Date: 27.AUG.2013 19:19:15

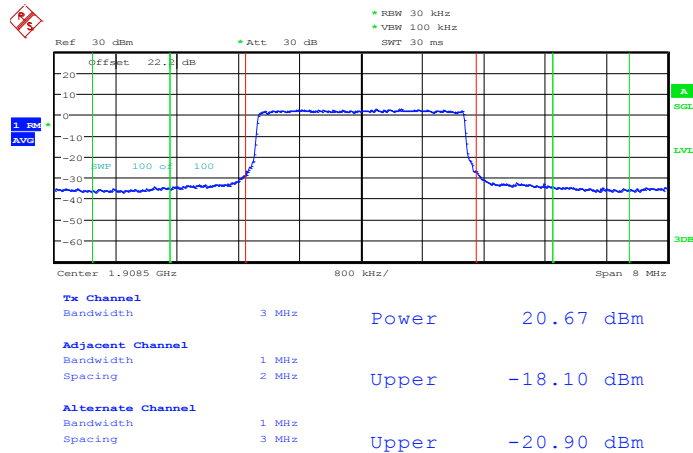


Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 14



Date: 27.AUG.2013 19:17:39

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



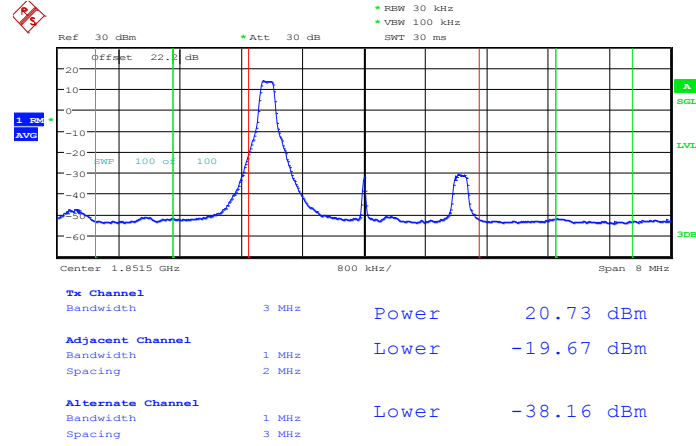
Date: 27.AUG.2013 19:16:47





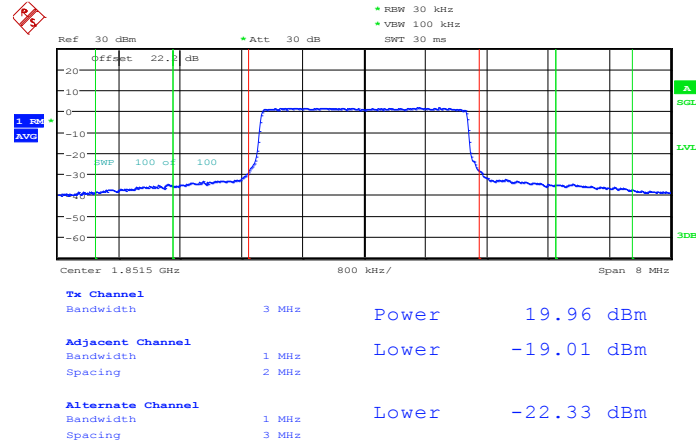
<b>Band :</b>	LTE Band 2	<b>Band Width :</b>	3MHz / 16QAM
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Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



Date: 27.AUG.2013 19:18:48

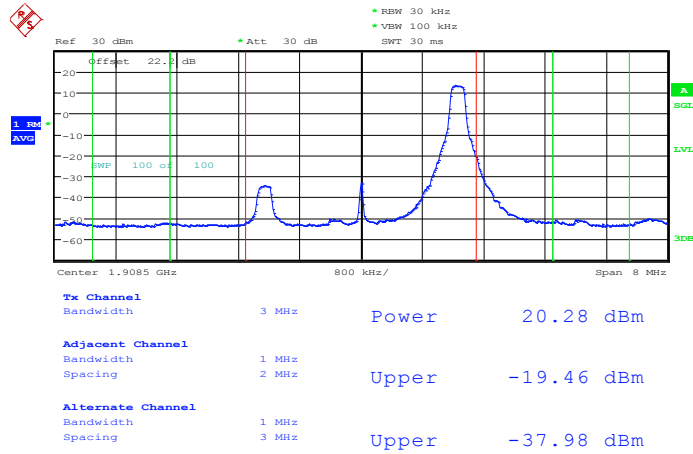
Lower Band Edge Plot for 16QAM -RB Size 15, RB Offset 0



Date: 27.AUG.2013 19:19:02

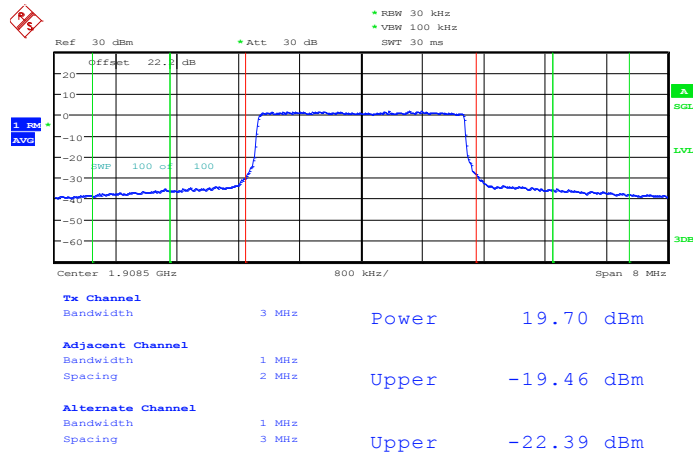


Higher Band Edge Plot for 16QAM -RB Size 1, RB Offset 14



Date: 27.AUG.2013 19:17:22

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

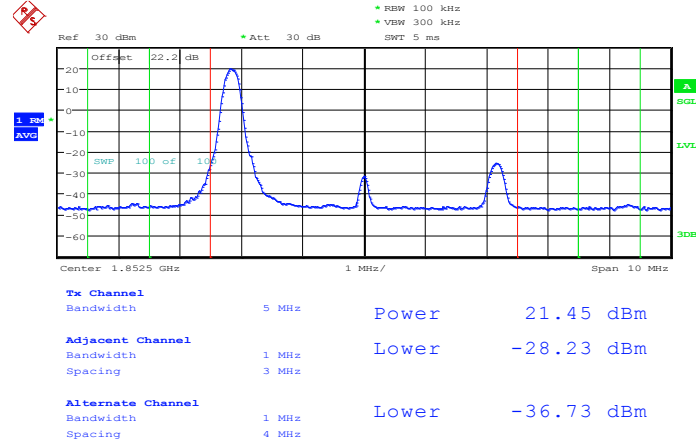


Date: 27.AUG.2013 19:17:02



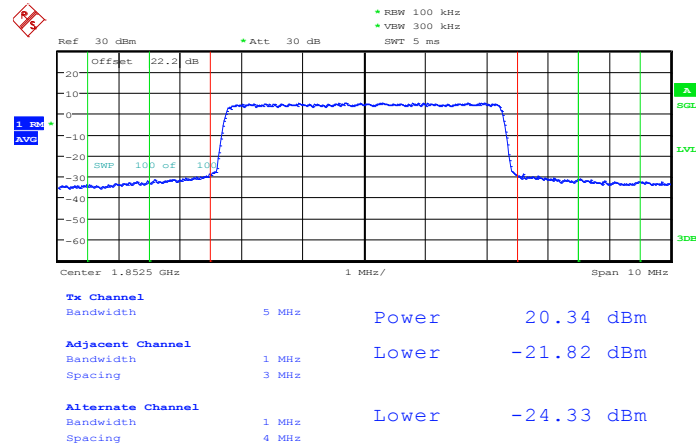
<b>Band :</b>	LTE Band 2	<b>Band Width :</b>	5MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 27.AUG.2013 19:20:56

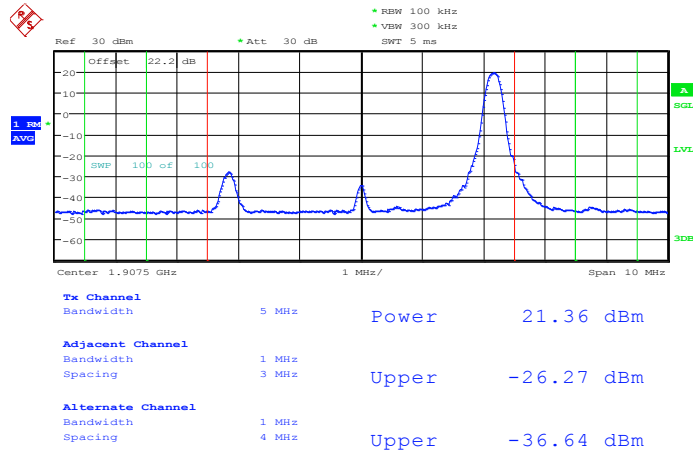
Lower Band Edge Plot for QPSK-RB Size 25, RB Offset 0



Date: 27.AUG.2013 19:20:18

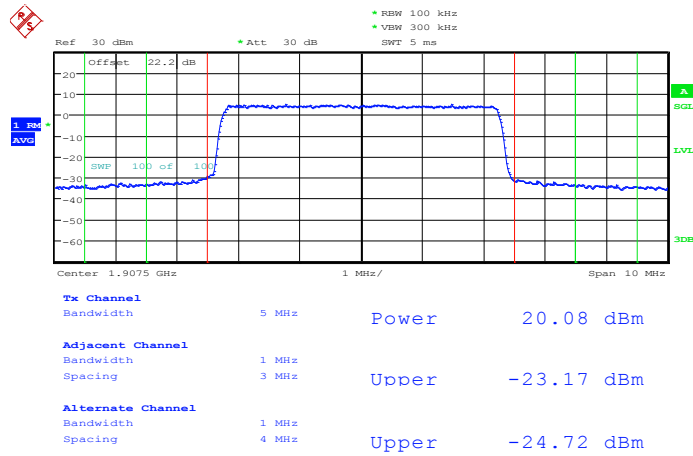


Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 24



Date: 27.AUG.2013 19:22:07

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

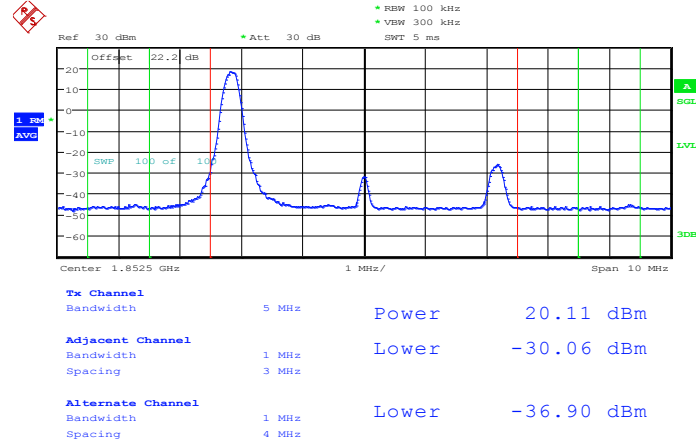


Date: 27.AUG.2013 19:22:56



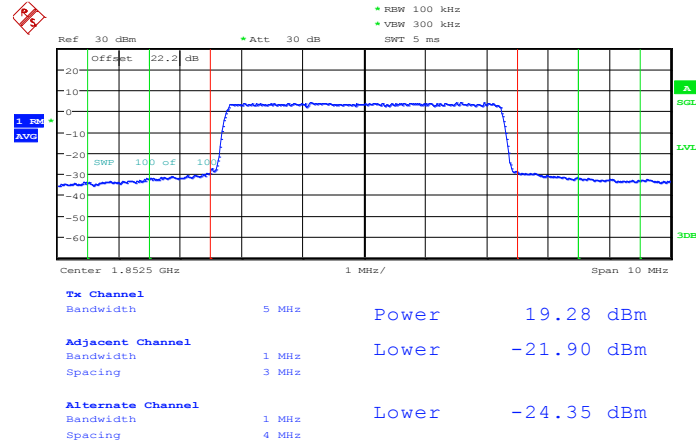
<b>Band :</b>	LTE Band 2	<b>Band Width :</b>	5MHz / 16QAM
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Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



Date: 27.AUG.2013 19:20:46

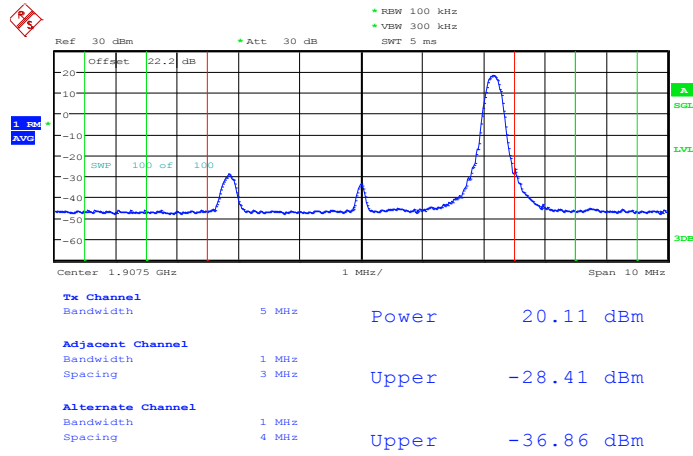
Lower Band Edge Plot for 16QAM-RB Size 25, RB Offset 0



Date: 27.AUG.2013 19:20:29

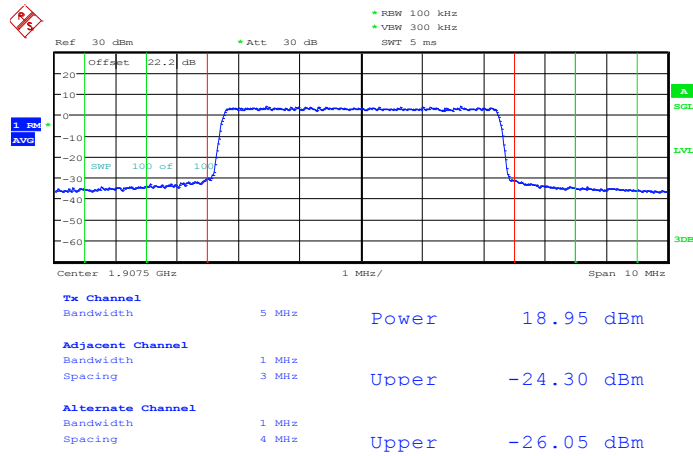


Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 24



Date: 27.AUG.2013 19:22:19

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

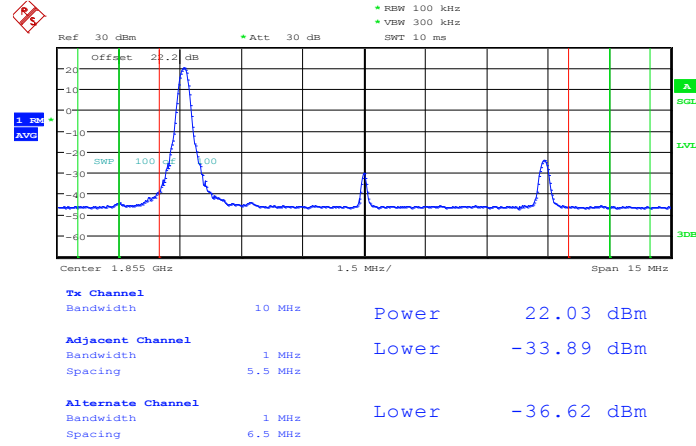


Date: 27.AUG.2013 19:22:44



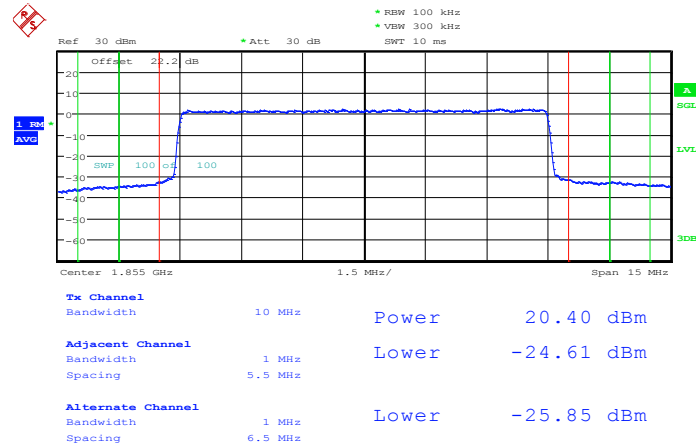
<b>Band :</b>	LTE Band 2	<b>Band Width :</b>	10MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 27.AUG.2013 19:27:24

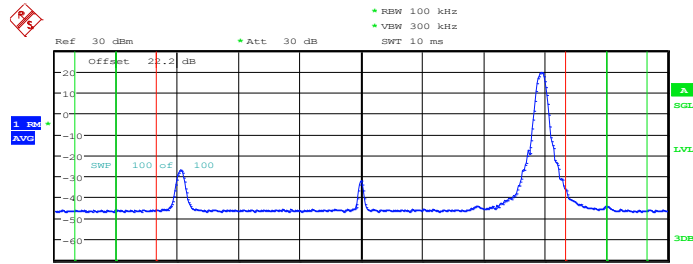
Lower Band Edge Plot for QPSK-RB Size 50, RB Offset 0



Date: 27.AUG.2013 19:28:08



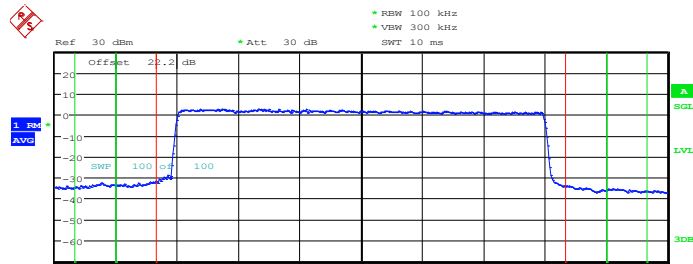
Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 49



Center 1.905 GHz		1.5 MHz/		Span 15 MHz	
<b>Tx Channel</b>					
Bandwidth	10 MHz	Power	21.71 dBm		
<b>Adjacent Channel</b>					
Bandwidth	1 MHz	Upper	-33.23 dBm		
Spacing	5.5 MHz				
<b>Alternate Channel</b>					
Bandwidth	1 MHz	Upper	-36.64 dBm		
Spacing	6.5 MHz				

Date: 27.AUG.2013 19:26:23

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



Center 1.905 GHz		1.5 MHz/		Span 15 MHz	
<b>Tx Channel</b>					
Bandwidth	10 MHz	Power	20.60 dBm		
<b>Adjacent Channel</b>					
Bandwidth	1 MHz	Upper	-25.79 dBm		
Spacing	5.5 MHz				
<b>Alternate Channel</b>					
Bandwidth	1 MHz	Upper	-26.58 dBm		
Spacing	6.5 MHz				

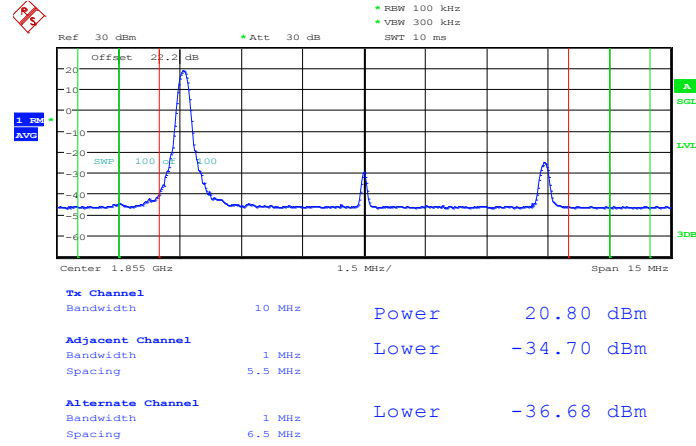
Date: 27.AUG.2013 19:25:06





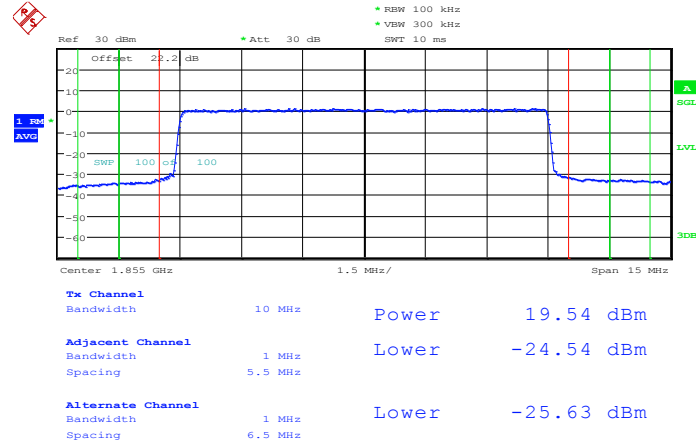
<b>Band :</b>	LTE Band 2	<b>Band Width :</b>	10MHz / 16QAM
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Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



Date: 27.AUG.2013 19:27:37

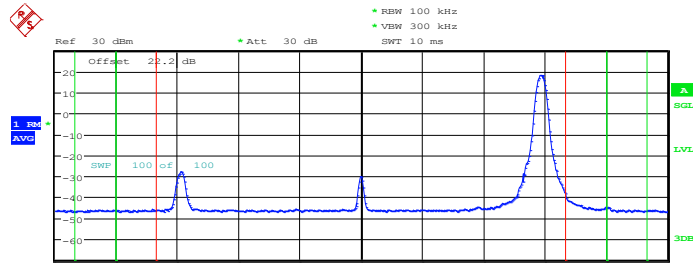
Lower Band Edge Plot for 16QAM-RB Size 50, RB Offset 0



Date: 27.AUG.2013 19:27:56



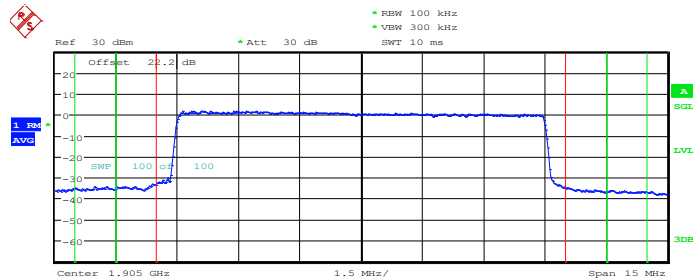
Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 49



<b>Tx Channel</b>	Bandwidth	10 MHz	Power	20.36 dBm
<b>Adjacent Channel</b>	Bandwidth	1 MHz	Upper	-34.30 dBm
	Spacing	5.5 MHz		
<b>Alternate Channel</b>	Bandwidth	1 MHz	Upper	-36.69 dBm
	Spacing	6.5 MHz		

Date: 27.AUG.2013 19:26:38

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



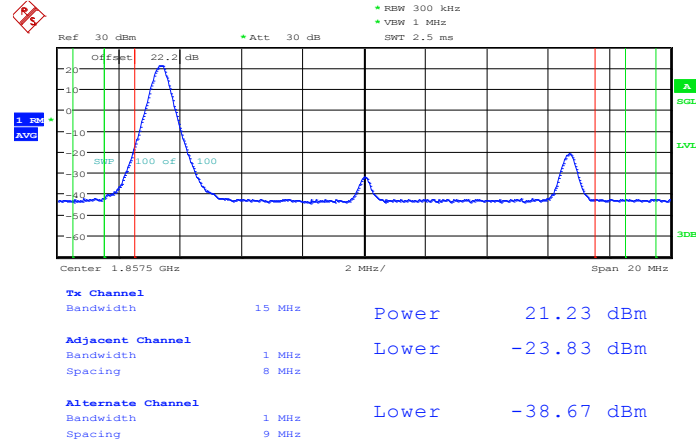
<b>Tx Channel</b>	Bandwidth	10 MHz	Power	19.58 dBm
<b>Adjacent Channel</b>	Bandwidth	1 MHz	Upper	-26.56 dBm
	Spacing	5.5 MHz		
<b>Alternate Channel</b>	Bandwidth	1 MHz	Upper	-27.30 dBm
	Spacing	6.5 MHz		

Date: 27.AUG.2013 19:25:24



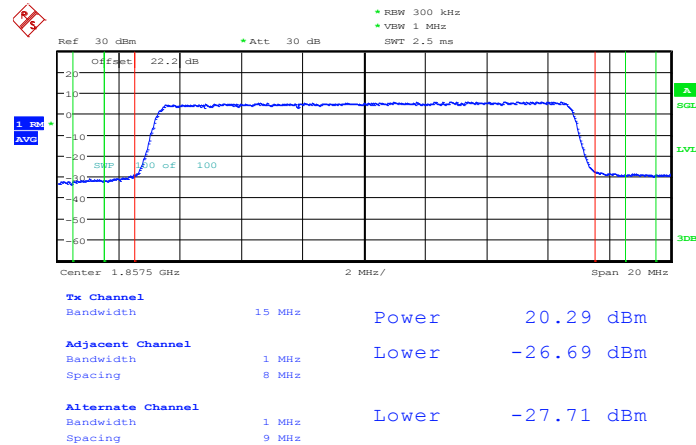
<b>Band :</b>	LTE Band 2	<b>Band Width :</b>	15MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 27.AUG.2013 19:29:42

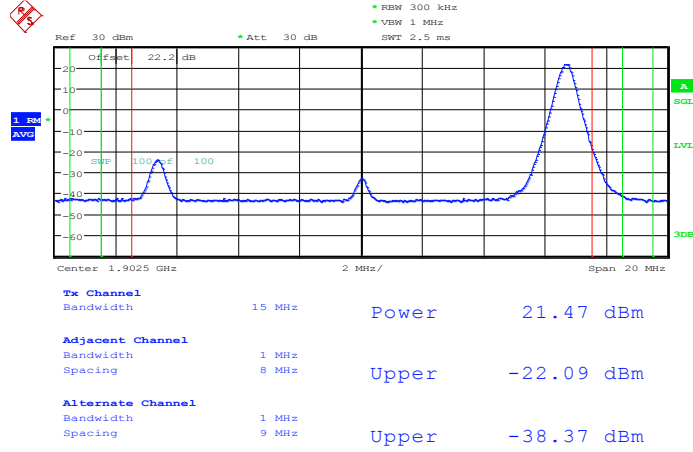
Lower Band Edge Plot for QPSK-RB Size 75, RB Offset 0



Date: 27.AUG.2013 19:29:11

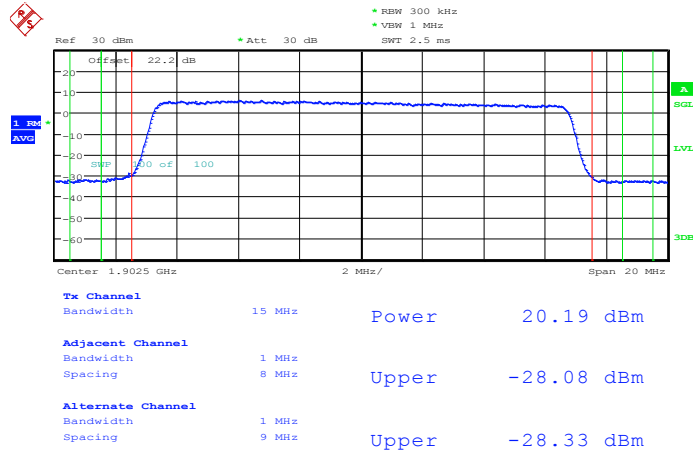


Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 74



Date: 27.AUG.2013 19:30:16

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

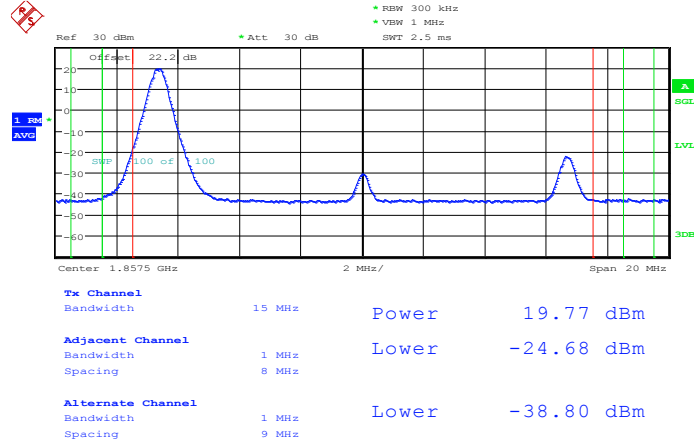


Date: 27.AUG.2013 19:30:46



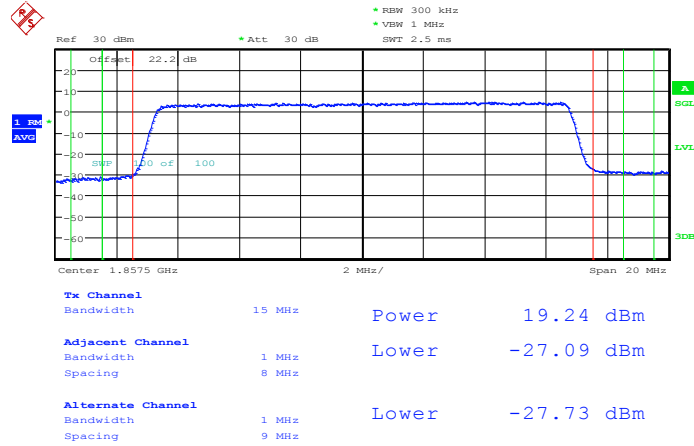
<b>Band :</b>	LTE Band 2	<b>Band Width :</b>	15MHz / 16QAM
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Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



Date: 27.AUG.2013 19:29:32

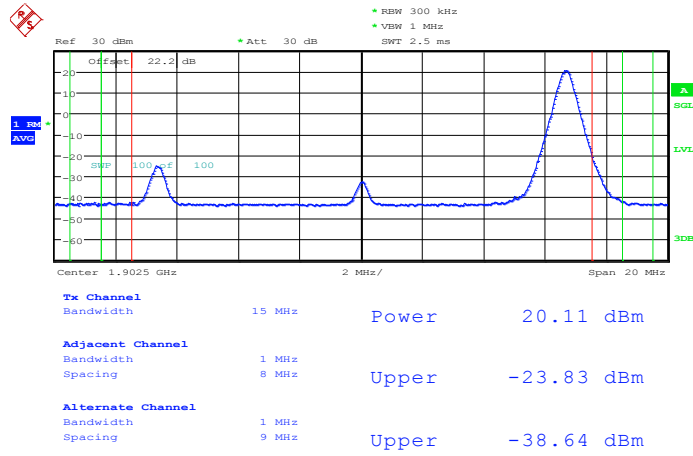
Lower Band Edge Plot for 16QAM-RB Size 75, RB Offset 0



Date: 27.AUG.2013 19:29:20

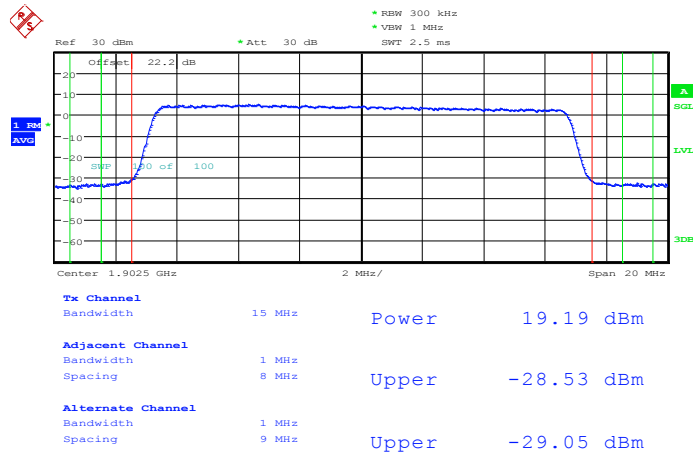


Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 74



Date: 27.AUG.2013 19:30:25

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

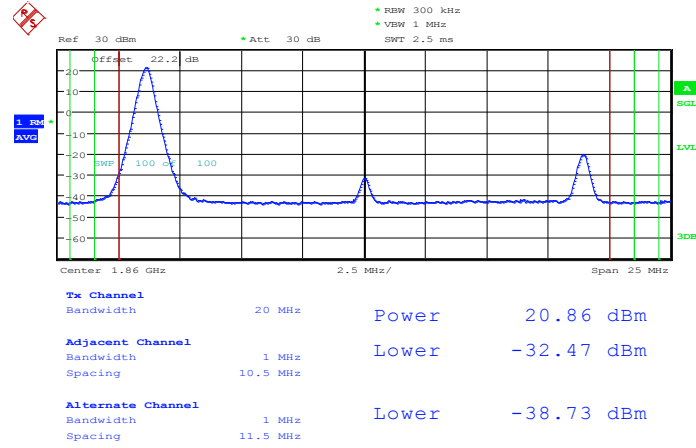


Date: 27.AUG.2013 19:30:37



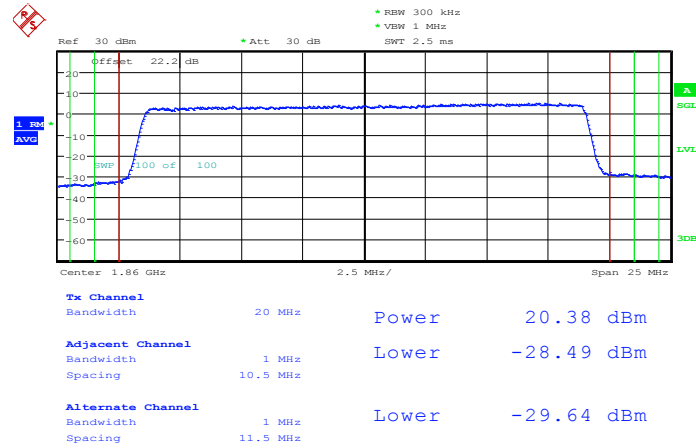
<b>Band :</b>	LTE Band 2	<b>Band Width :</b>	20MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 27.AUG.2013 19:33:29

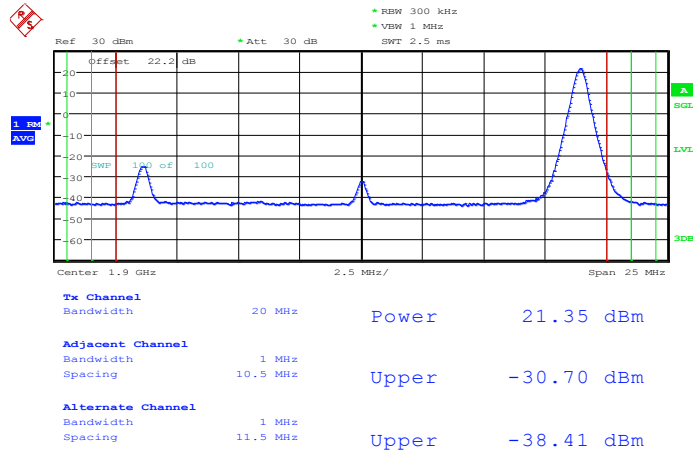
Lower Band Edge Plot for QPSK-RB Size 100, RB Offset 0



Date: 27.AUG.2013 19:34:01

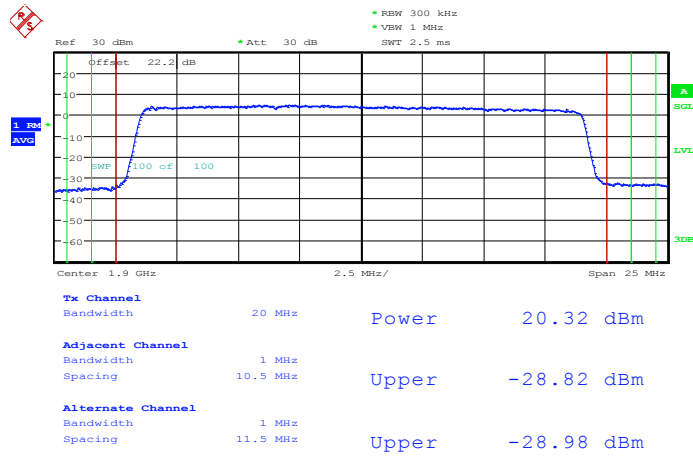


Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 99



Date: 27.AUG.2013 19:32:46

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



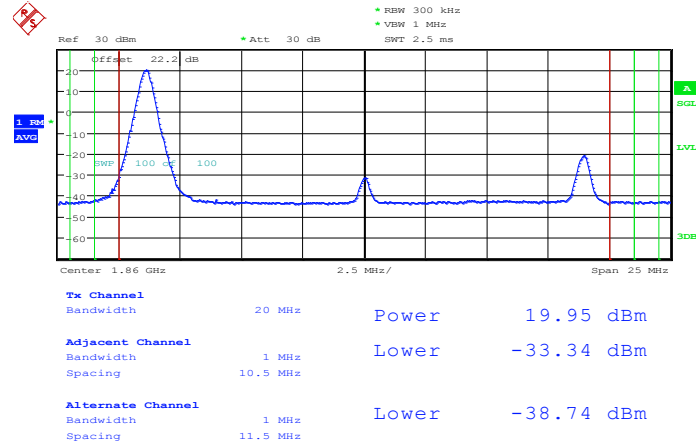
Date: 27.AUG.2013 19:32:11





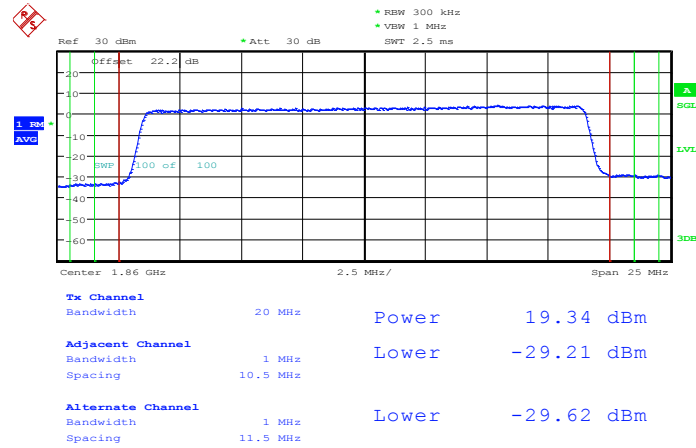
<b>Band :</b>	LTE Band 2	<b>Band Width :</b>	20MHz / 16QAM
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Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



Date: 27.AUG.2013 19:33:38

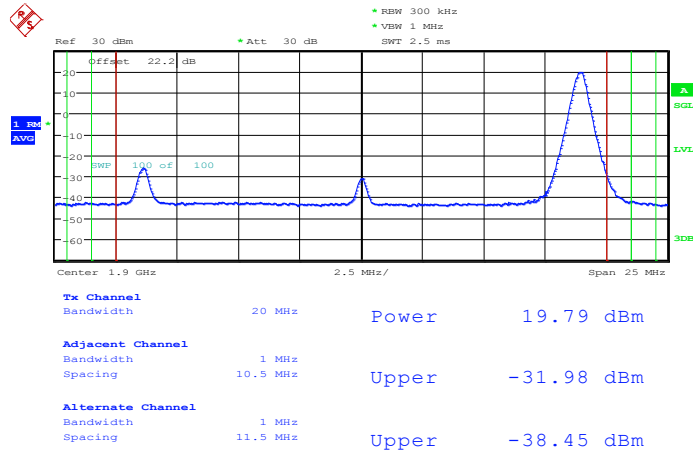
Lower Band Edge Plot for 16QAM-RB Size 100, RB Offset 0



Date: 27.AUG.2013 19:33:51

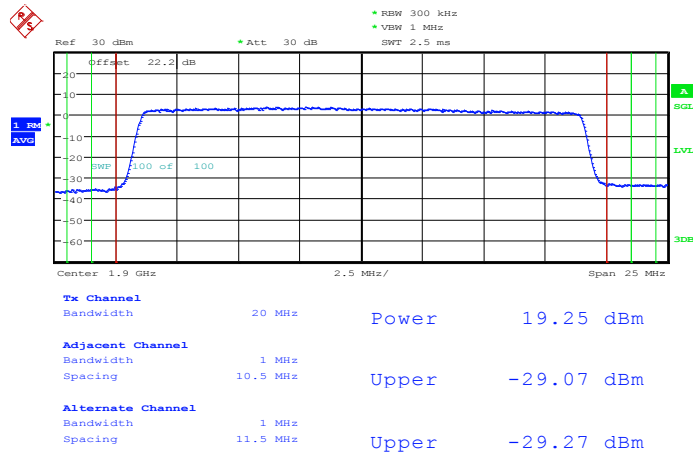


Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 99



Date: 27.AUG.2013 19:32:36

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

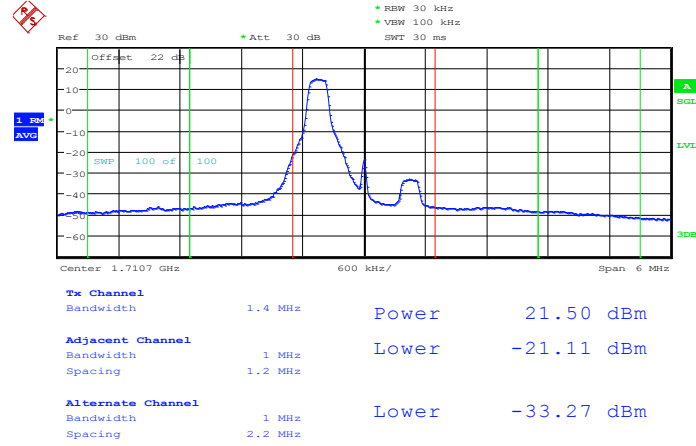


Date: 27.AUG.2013 19:32:22



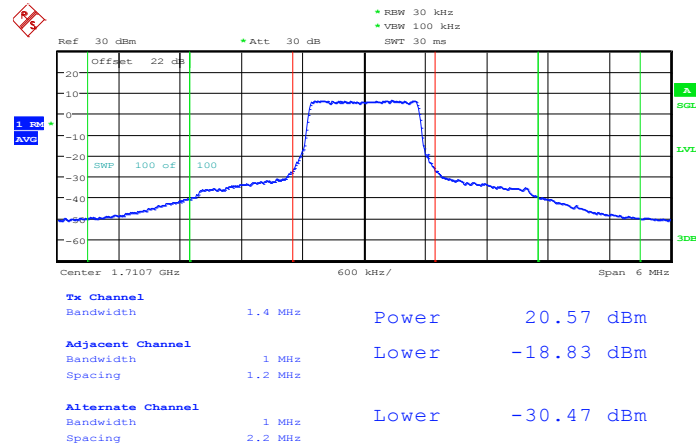
<b>Band :</b>	LTE Band 4	<b>Band Width :</b>	1.4MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 27.AUG.2013 14:58:40

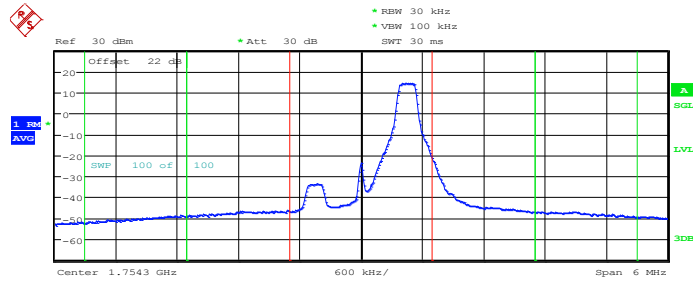
Lower Band Edge Plot for QPSK-RB Size 6, RB Offset 0



Date: 27.AUG.2013 15:00:05



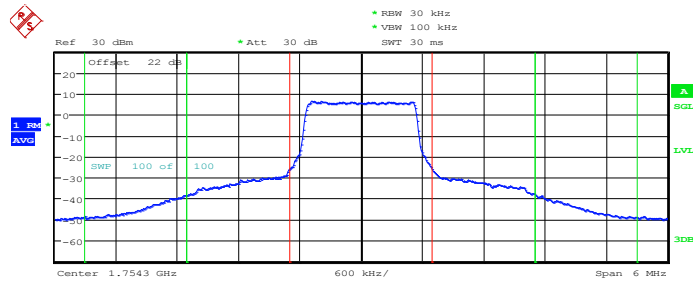
Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 5



<b>Tx Channel</b>	Bandwidth	1.4 MHz	Power	21.29 dBm
<b>Adjacent Channel</b>	Bandwidth	1 MHz	Upper	-20.81 dBm
	Spacing	1.2 MHz		
<b>Alternate Channel</b>	Bandwidth	1 MHz	Upper	-33.35 dBm
	Spacing	2.2 MHz		

Date: 27.AUG.2013 14:57:44

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



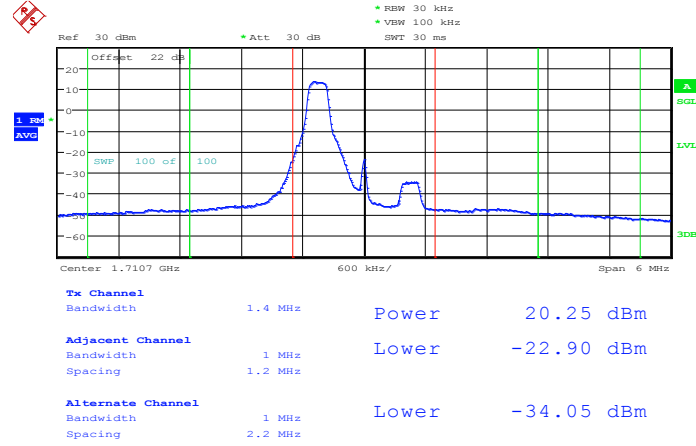
<b>Tx Channel</b>	Bandwidth	1.4 MHz	Power	20.61 dBm
<b>Adjacent Channel</b>	Bandwidth	1 MHz	Upper	-17.56 dBm
	Spacing	1.2 MHz		
<b>Alternate Channel</b>	Bandwidth	1 MHz	Upper	-28.99 dBm
	Spacing	2.2 MHz		

Date: 27.AUG.2013 14:56:59



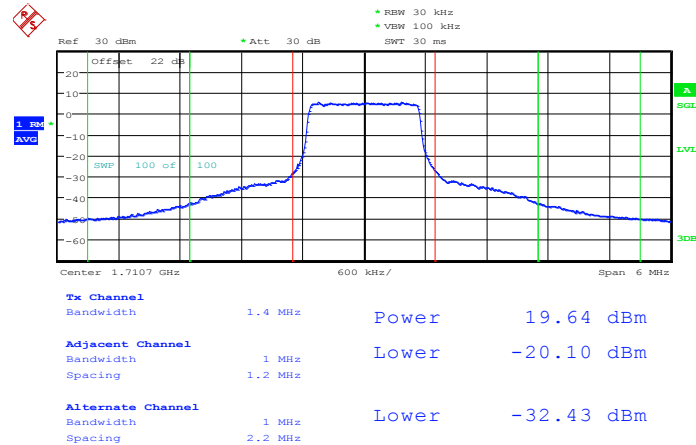
<b>Band :</b>	LTE Band 4	<b>Band Width :</b>	1.4MHz / 16QAM
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Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



Date: 27.AUG.2013 14:59:35

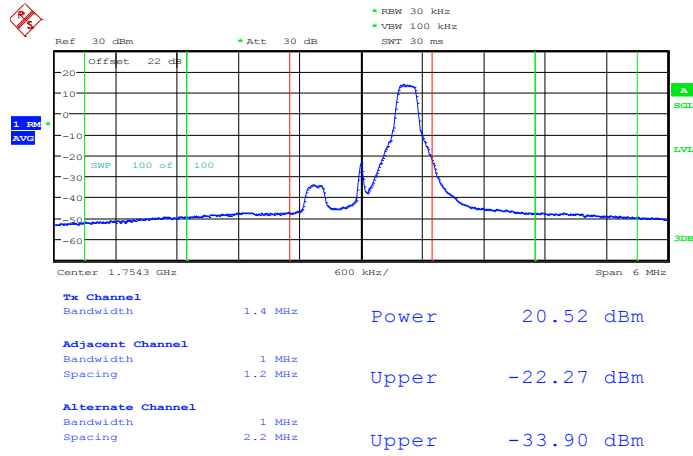
Lower Band Edge Plot for 16QAM-RB Size 6, RB Offset 0



Date: 27.AUG.2013 14:59:51

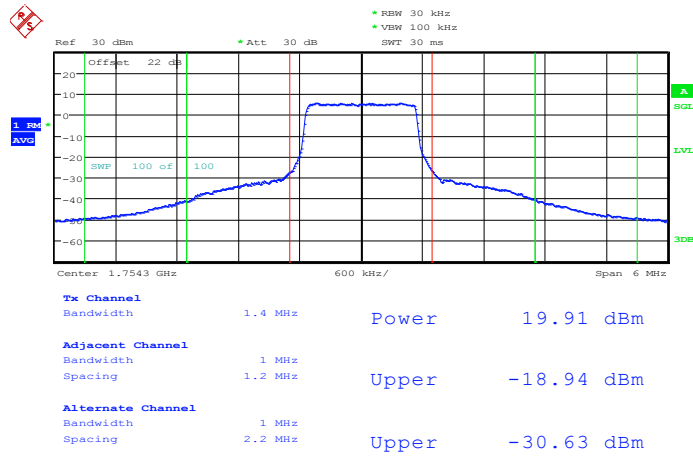


Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 5



Date: 27.AUG.2013 14:57:30

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

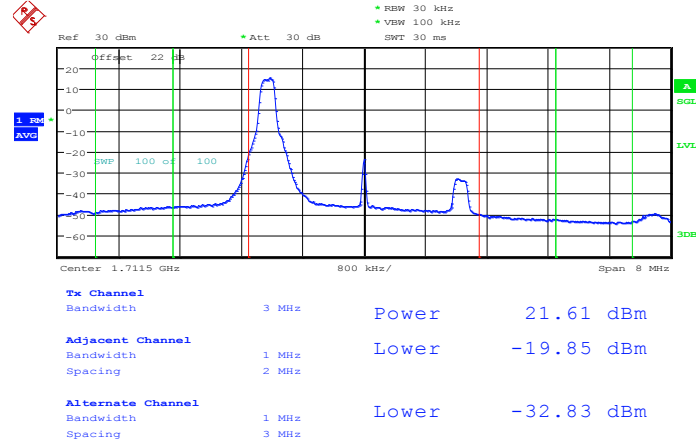


Date: 27.AUG.2013 14:57:12



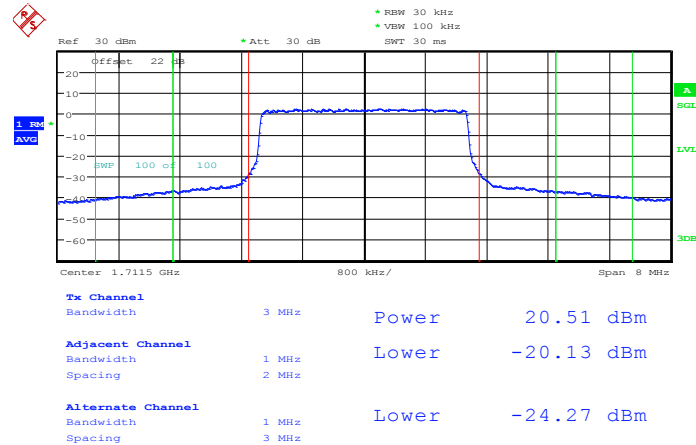
<b>Band :</b>	LTE Band 4	<b>Band Width :</b>	3MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 27.AUG.2013 14:52:05

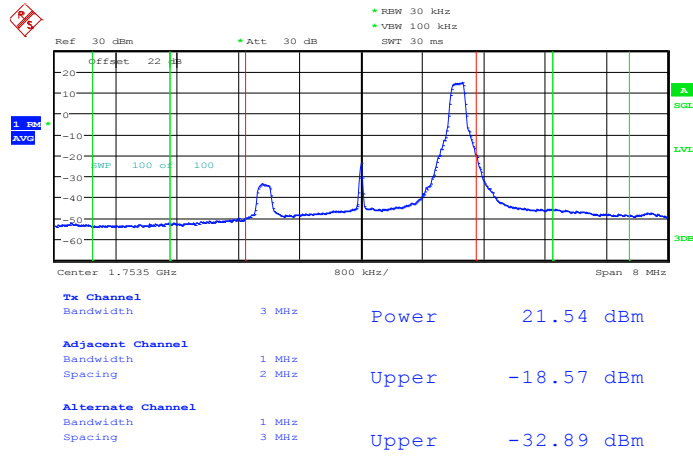
Lower Band Edge Plot for QPSK-RB Size 15, RB Offset 0



Date: 27.AUG.2013 14:51:04

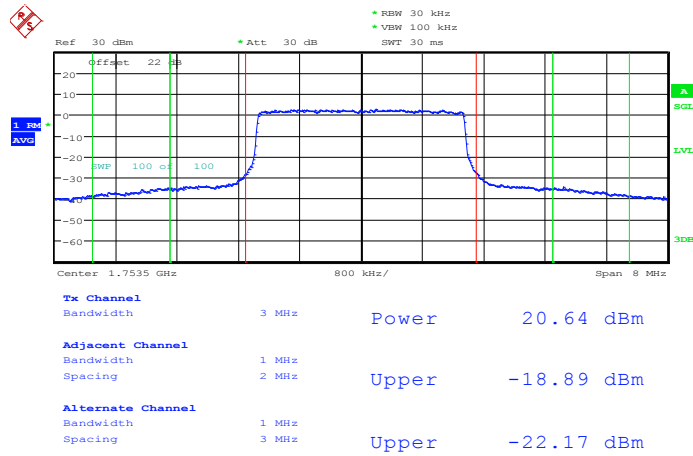


Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 14



Date: 27.AUG.2013 14:53:56

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



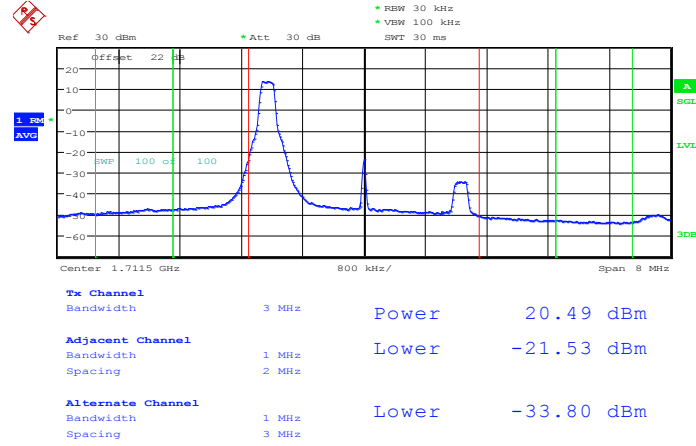
Date: 27.AUG.2013 14:54:42





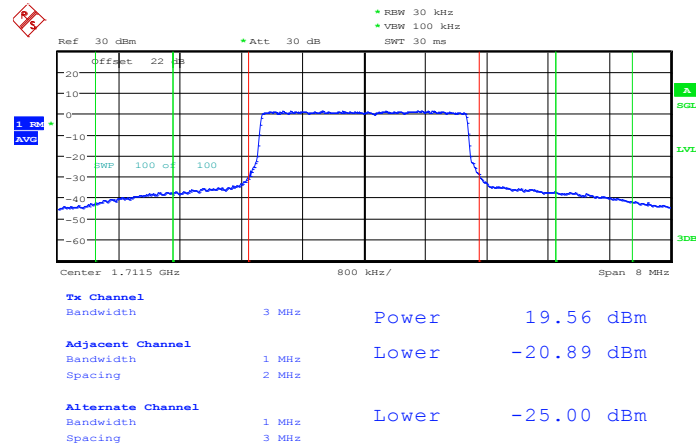
<b>Band :</b>	LTE Band 4	<b>Band Width :</b>	3MHz / 16QAM
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Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



Date: 27.AUG.2013 14:51:43

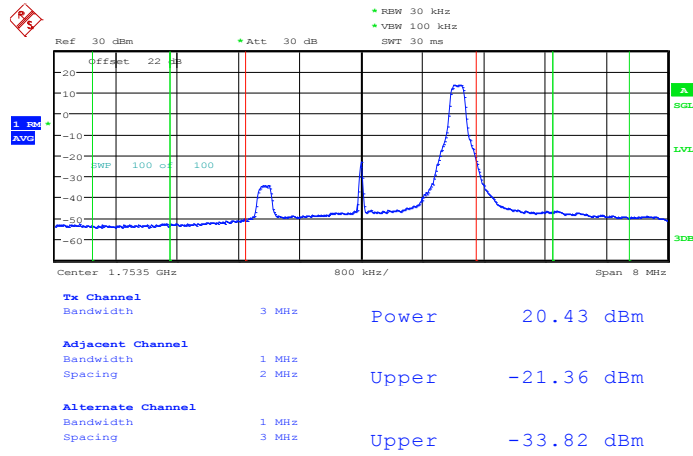
Lower Band Edge Plot for 16QAM-RB Size 15, RB Offset 0



Date: 27.AUG.2013 14:51:25

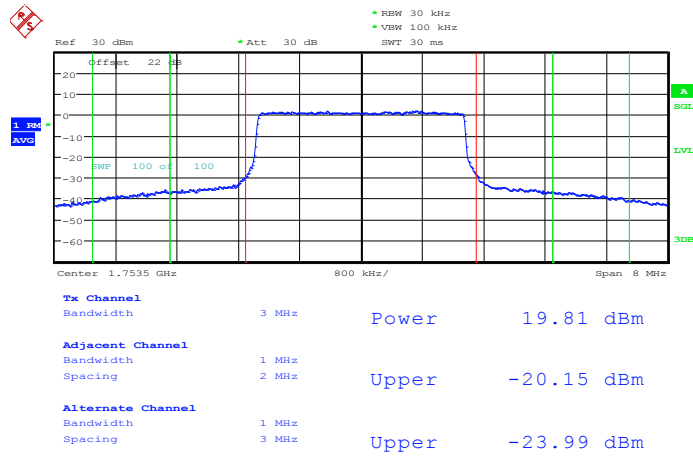


Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 14



Date: 27.AUG.2013 14:54:11

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

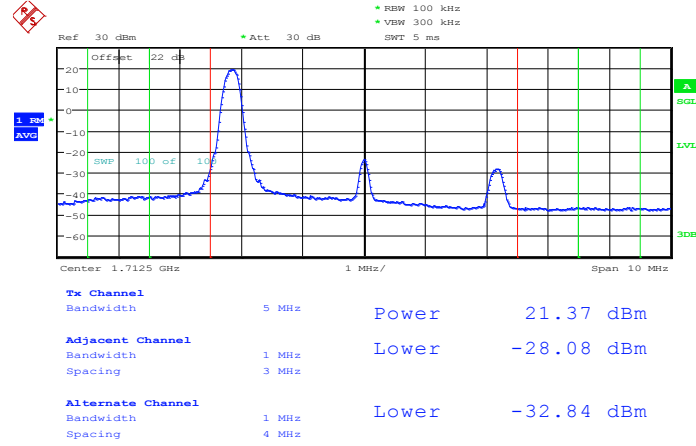


Date: 27.AUG.2013 14:54:27



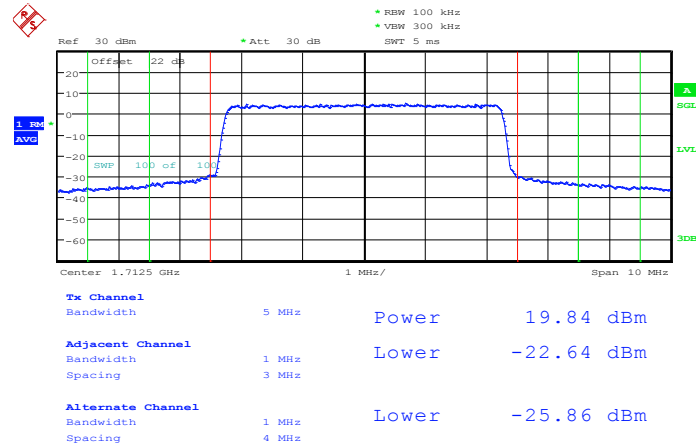
<b>Band :</b>	LTE Band 4	<b>Band Width :</b>	5MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 27.AUG.2013 14:48:35

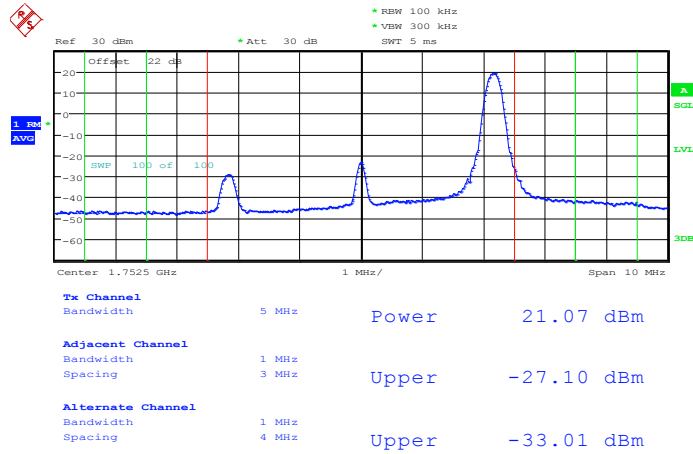
Lower Band Edge Plot for QPSK-RB Size 25, RB Offset 0



Date: 27.AUG.2013 14:49:21

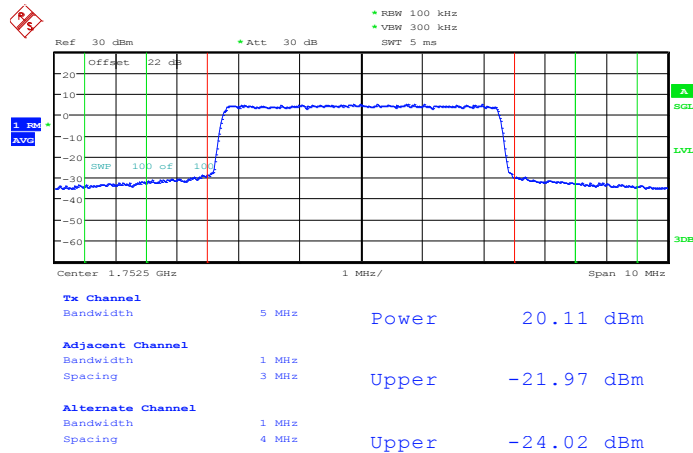


Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 24



Date: 27.AUG.2013 14:48:10

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

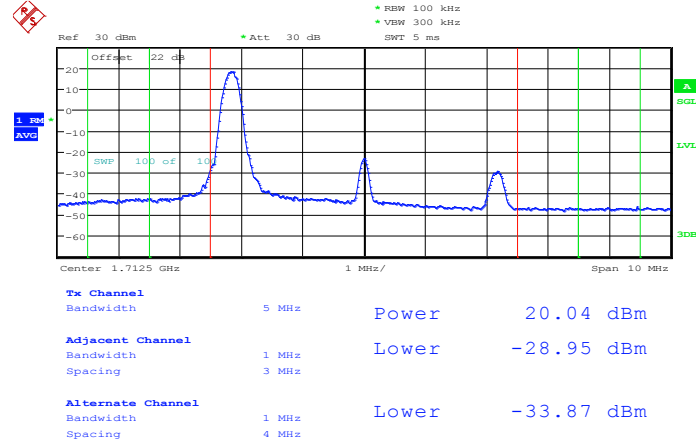


Date: 27.AUG.2013 14:47:05



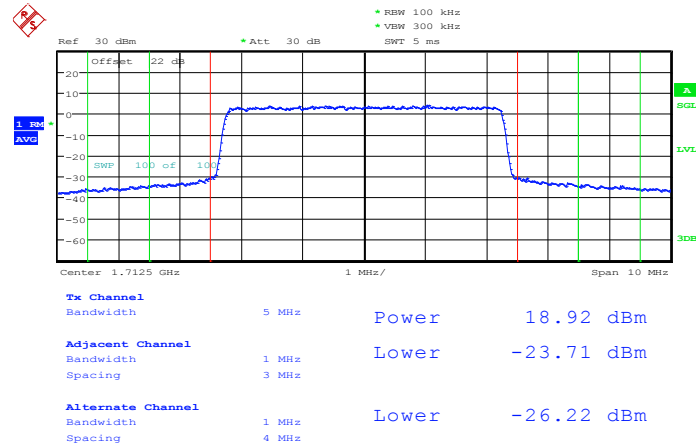
<b>Band :</b>	LTE Band 4	<b>Band Width :</b>	5MHz / 16QAM
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Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



Date: 27.AUG.2013 14:48:49

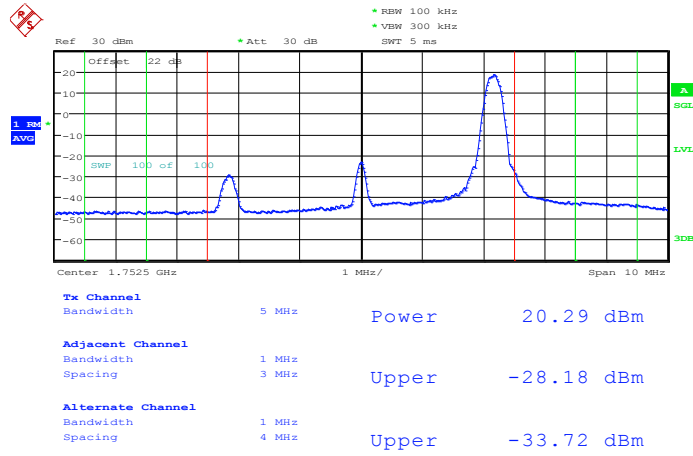
Lower Band Edge Plot for 16QAM-RB Size 25, RB Offset 0



Date: 27.AUG.2013 14:49:08

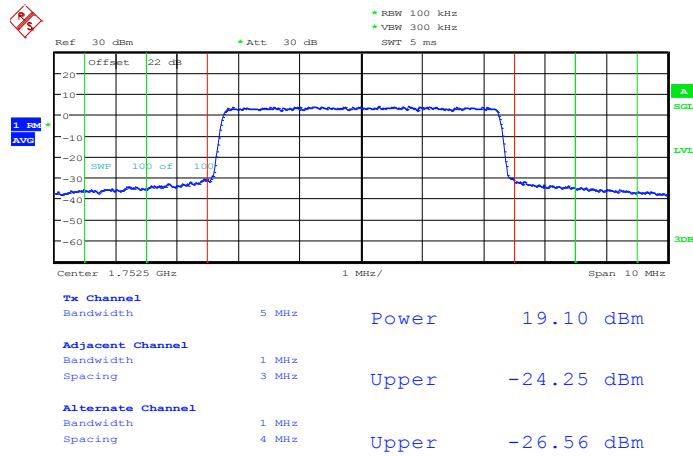


Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 24



Date: 27.AUG.2013 14:47:48

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

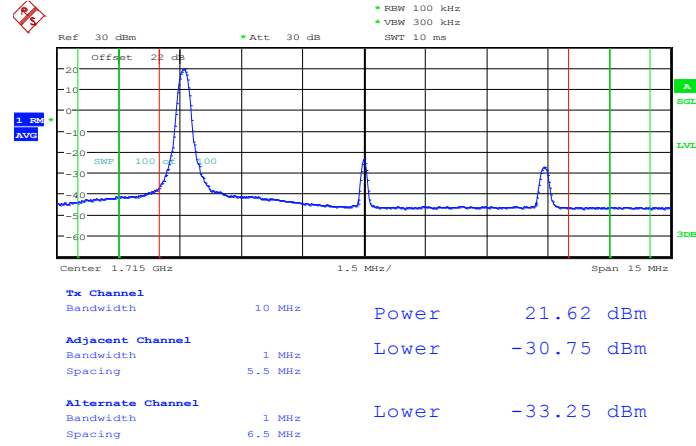


Date: 27.AUG.2013 14:47:23



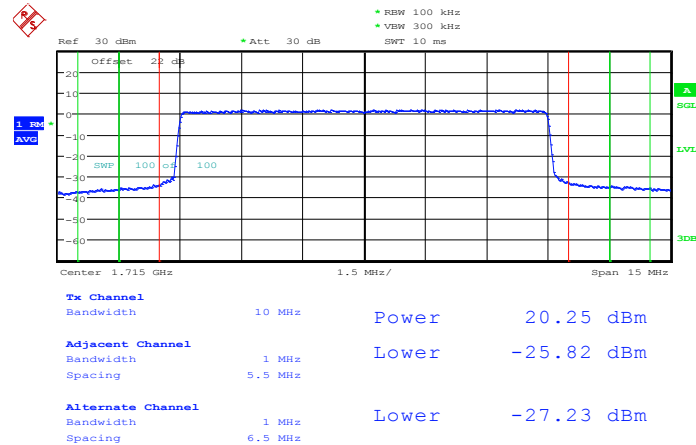
<b>Band :</b>	LTE Band 4	<b>Band Width :</b>	10MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 27.AUG.2013 14:40:45

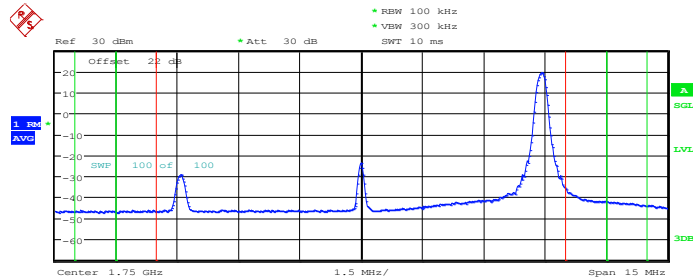
Lower Band Edge Plot for QPSK-RB Size 50, RB Offset 0



Date: 27.AUG.2013 14:39:20



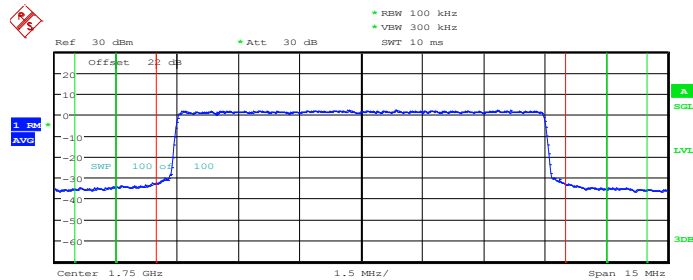
Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 49



<b>Tx Channel</b>	Bandwidth	10 MHz	Power	21.57 dBm
<b>Adjacent Channel</b>	Bandwidth	1 MHz	Upper	-30.70 dBm
	Spacing	5.5 MHz		
<b>Alternate Channel</b>	Bandwidth	1 MHz	Upper	-33.53 dBm
	Spacing	6.5 MHz		

Date: 27.AUG.2013 14:41:39

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



<b>Tx Channel</b>	Bandwidth	10 MHz	Power	20.46 dBm
<b>Adjacent Channel</b>	Bandwidth	1 MHz	Upper	-25.10 dBm
	Spacing	5.5 MHz		
<b>Alternate Channel</b>	Bandwidth	1 MHz	Upper	-25.97 dBm
	Spacing	6.5 MHz		

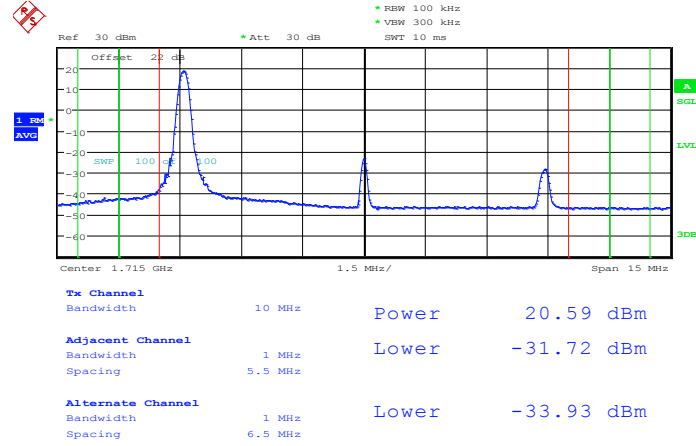
Date: 27.AUG.2013 14:42:25





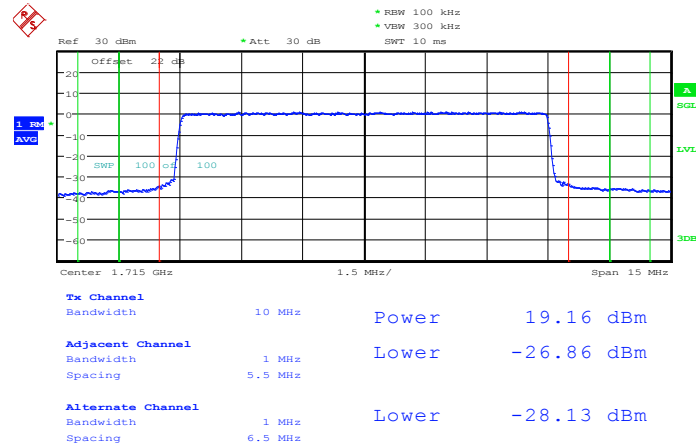
<b>Band :</b>	LTE Band 4	<b>Band Width :</b>	10MHz / 16QAM
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Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



Date: 27.AUG.2013 14:40:06

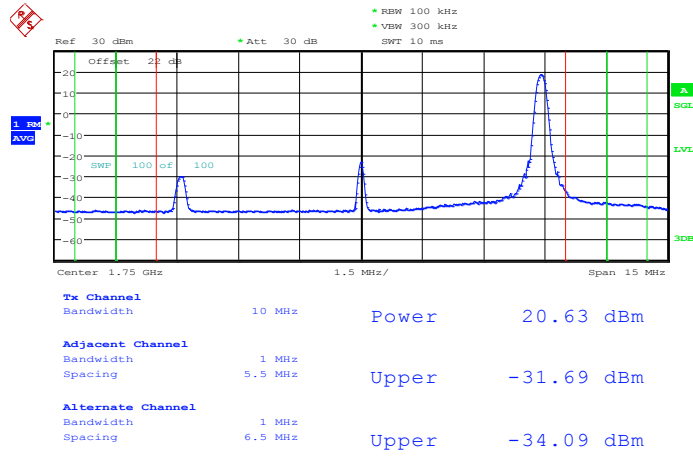
Lower Band Edge Plot for 16QAM-RB Size 50, RB Offset 0



Date: 27.AUG.2013 14:39:47

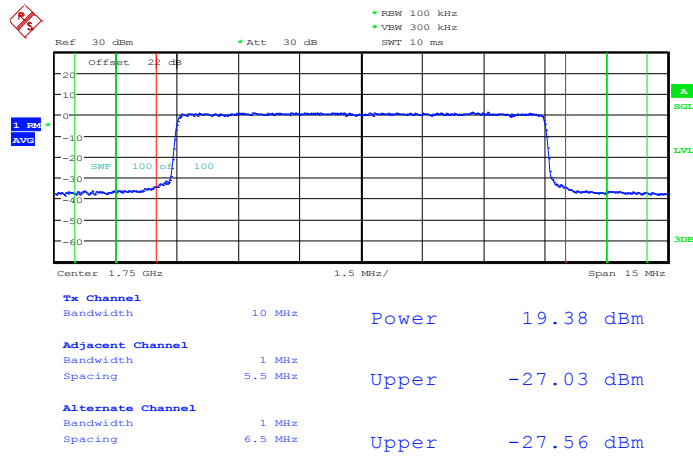


Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 49



Date: 27.AUG.2013 14:41:53

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

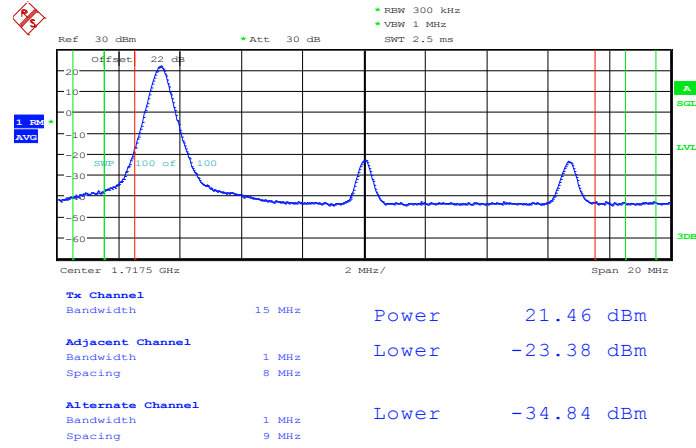


Date: 27.AUG.2013 14:42:10



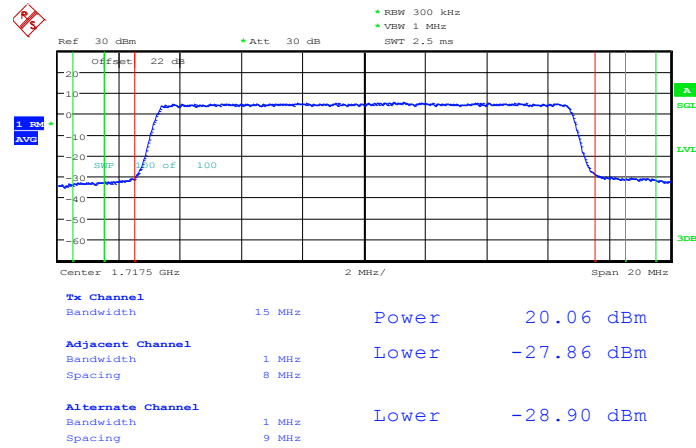
<b>Band :</b>	LTE Band 4	<b>Band Width :</b>	15MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 27.AUG.2013 14:34:42

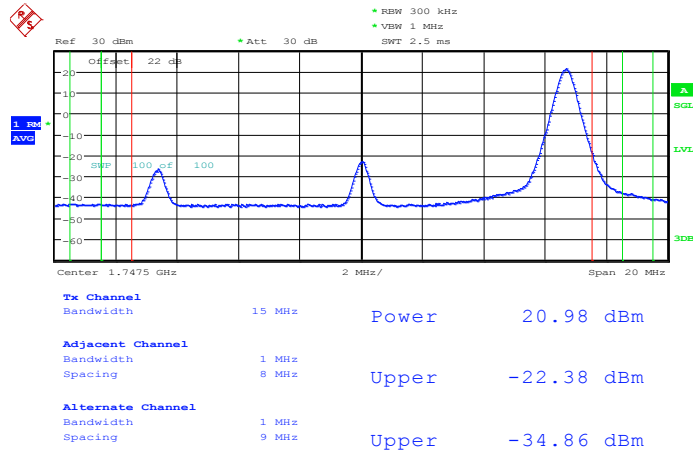
Lower Band Edge Plot for QPSK-RB Size 75, RB Offset 0



Date: 27.AUG.2013 14:35:42

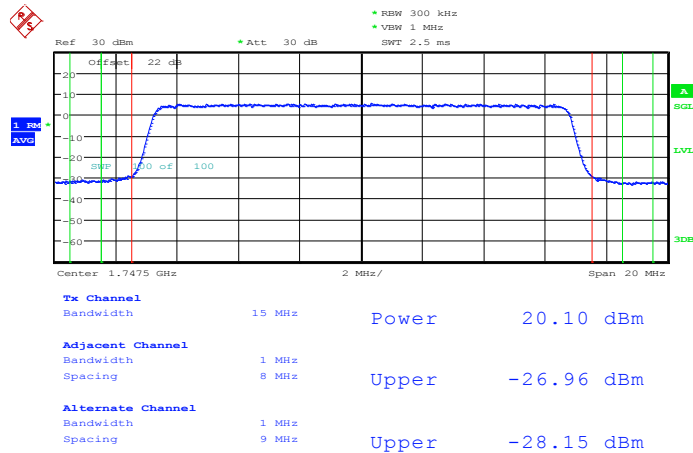


Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 74



Date: 27.AUG.2013 14:33:51

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

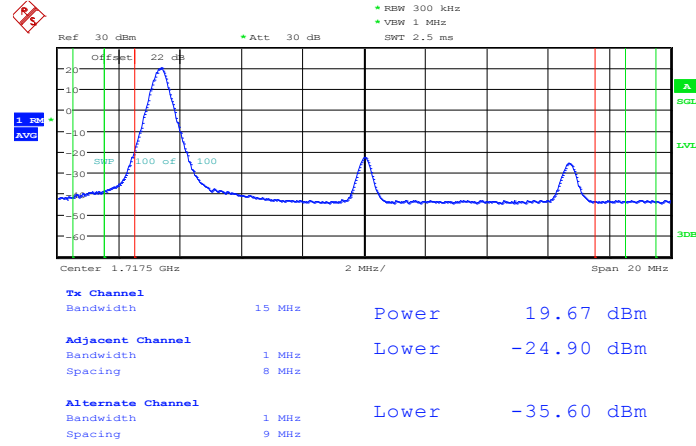


Date: 27.AUG.2013 14:32:22



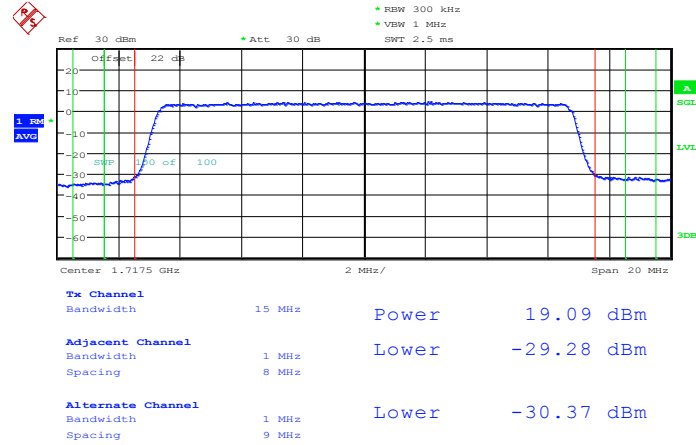
<b>Band :</b>	LTE Band 4	<b>Band Width :</b>	15MHz / 16QAM
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Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



Date: 27.AUG.2013 14:35:09

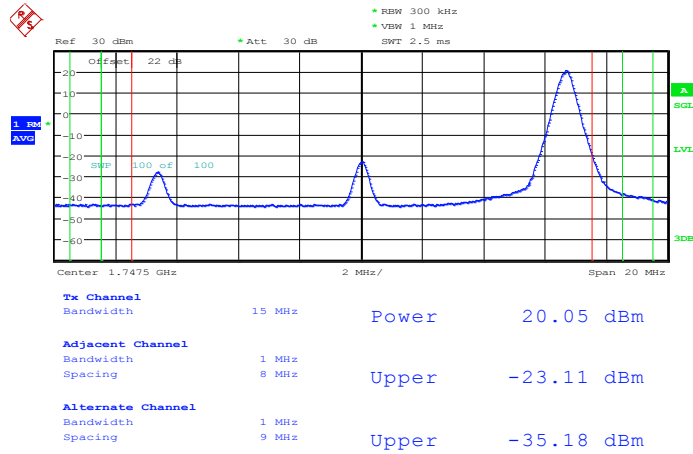
Lower Band Edge Plot for 16QAM-RB Size 75, RB Offset 0



Date: 27.AUG.2013 14:35:27

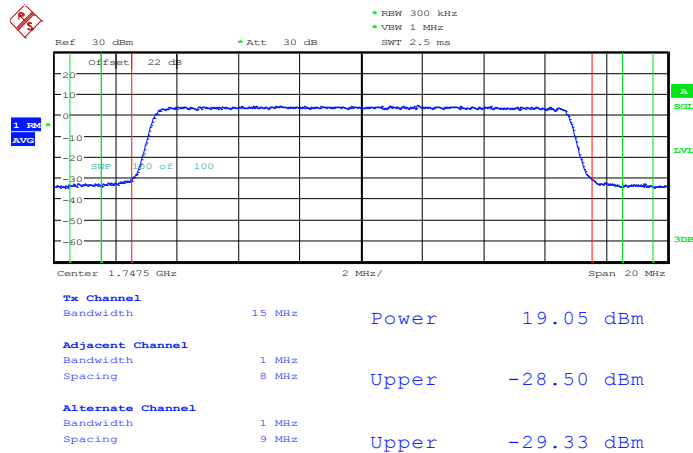


Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 74



Date: 27.AUG.2013 14:33:22

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

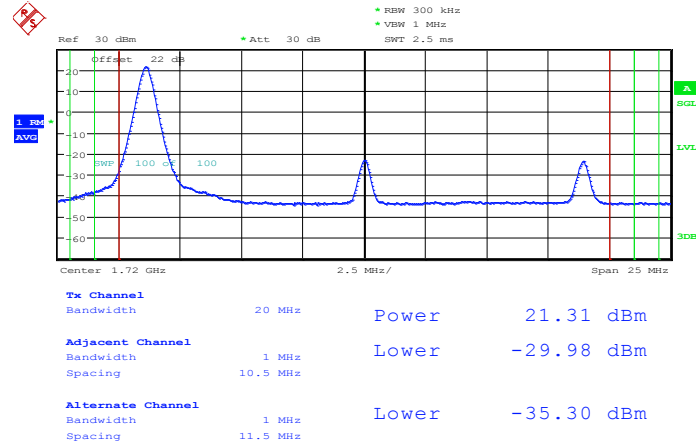


Date: 27.AUG.2013 14:32:52



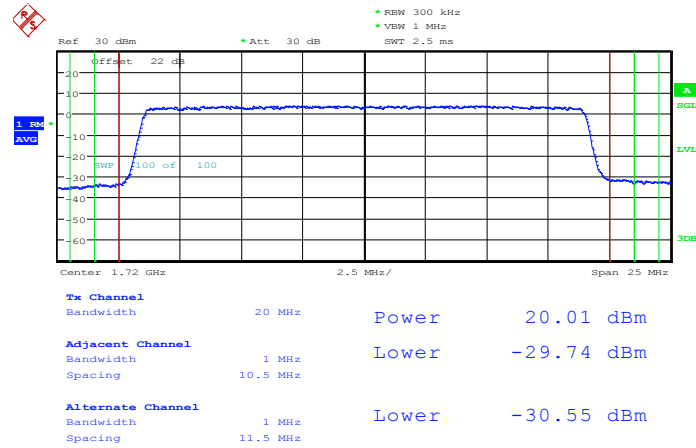
<b>Band :</b>	LTE Band 4	<b>Band Width :</b>	20MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 27.AUG.2013 14:28:05

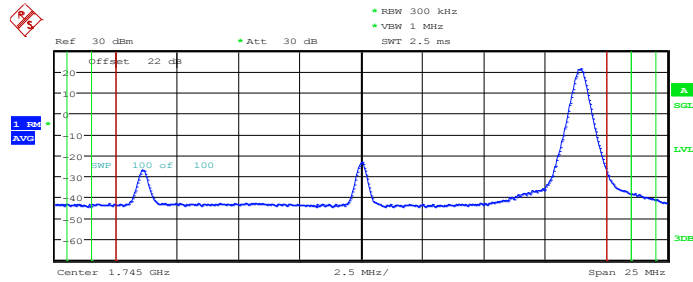
Lower Band Edge Plot for QPSK-RB Size 100, RB Offset 0



Date: 27.AUG.2013 14:27:04



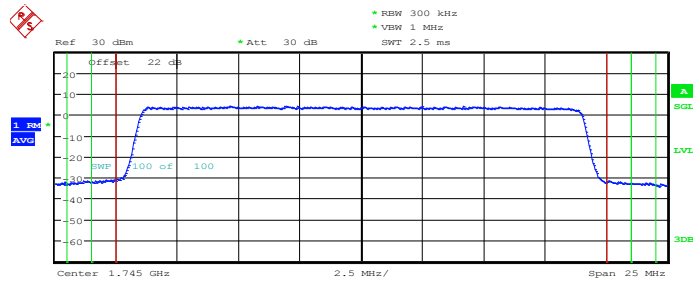
Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 99



<b>Tx Channel</b>	Bandwidth	20 MHz	Power	21.20 dBm
<b>Adjacent Channel</b>	Bandwidth	1 MHz	Upper	-29.26 dBm
	Spacing	10.5 MHz		
<b>Alternate Channel</b>	Bandwidth	1 MHz	Upper	-35.17 dBm
	Spacing	11.5 MHz		

Date: 27.AUG.2013 14:28:52

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



<b>Tx Channel</b>	Bandwidth	20 MHz	Power	20.20 dBm
<b>Adjacent Channel</b>	Bandwidth	1 MHz	Upper	-28.03 dBm
	Spacing	10.5 MHz		
<b>Alternate Channel</b>	Bandwidth	1 MHz	Upper	-28.62 dBm
	Spacing	11.5 MHz		

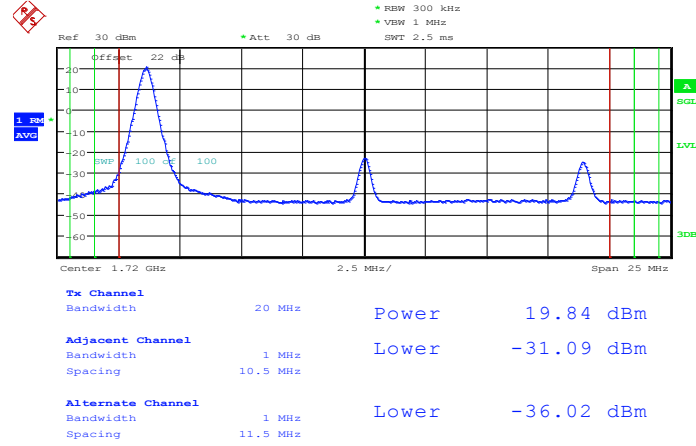
Date: 27.AUG.2013 14:29:56





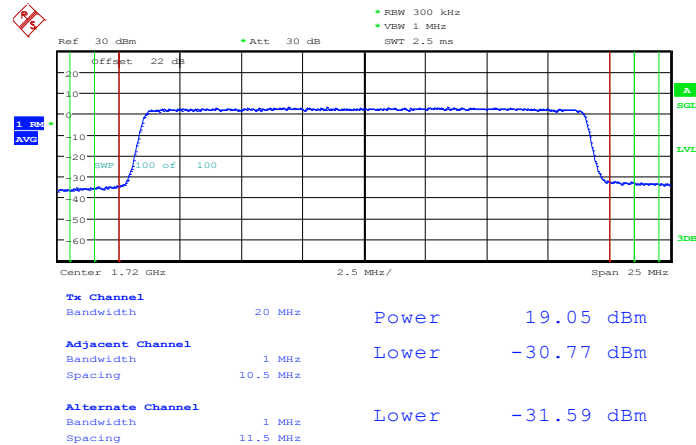
<b>Band :</b>	LTE Band 4	<b>Band Width :</b>	20MHz / 16QAM
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**Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0**



Date: 27.AUG.2013 14:27:35

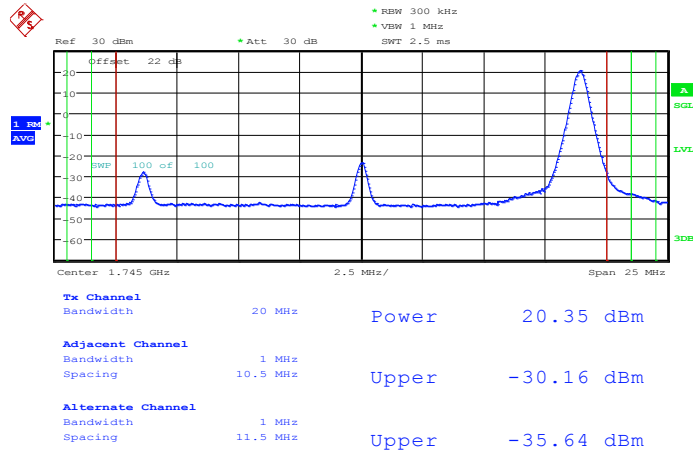
**Lower Band Edge Plot for 16QAM-RB Size 100, RB Offset 0**



Date: 27.AUG.2013 14:27:15

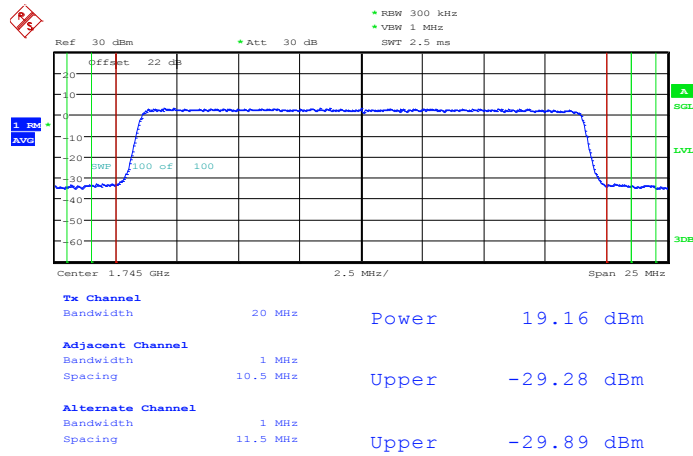


Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 99



Date: 27.AUG.2013 14:29:12

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

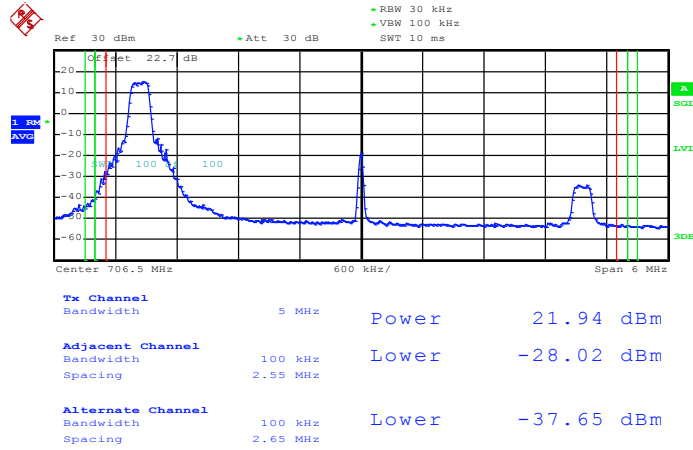


Date: 27.AUG.2013 14:29:45



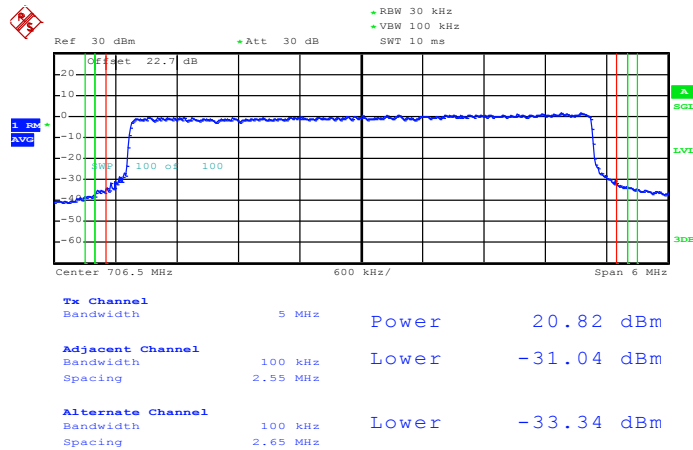
<b>Band :</b>	LTE Band 17	<b>Band Width :</b>	5MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 3.SEP.2013 10:34:31

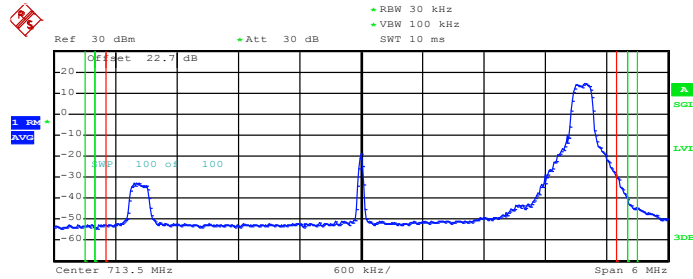
Lower Band Edge Plot for QPSK-RB Size 25, RB Offset 0



Date: 3.SEP.2013 10:35:26



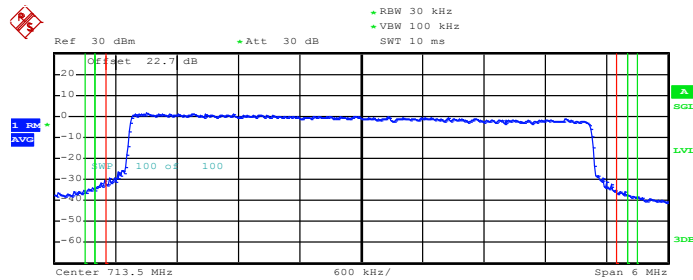
Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 24



<b>Tx Channel</b>	Bandwidth	5 MHz	Power	21.28 dBm
<b>Adjacent Channel</b>	Bandwidth	100 kHz	Upper	-28.90 dBm
	Spacing	2.55 MHz		
<b>Alternate Channel</b>	Bandwidth	100 kHz	Upper	-38.46 dBm
	Spacing	2.65 MHz		

Date: 3.SEP.2013 10:33:15

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



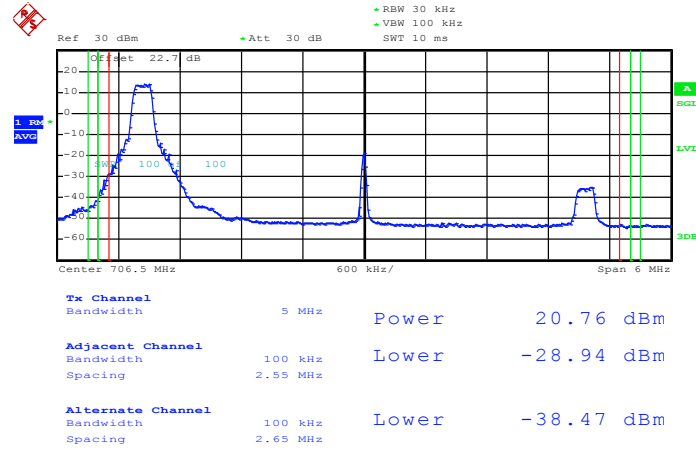
<b>Tx Channel</b>	Bandwidth	5 MHz	Power	20.65 dBm
<b>Adjacent Channel</b>	Bandwidth	100 kHz	Upper	-31.66 dBm
	Spacing	2.55 MHz		
<b>Alternate Channel</b>	Bandwidth	100 kHz	Upper	-33.12 dBm
	Spacing	2.65 MHz		

Date: 3.SEP.2013 10:31:52



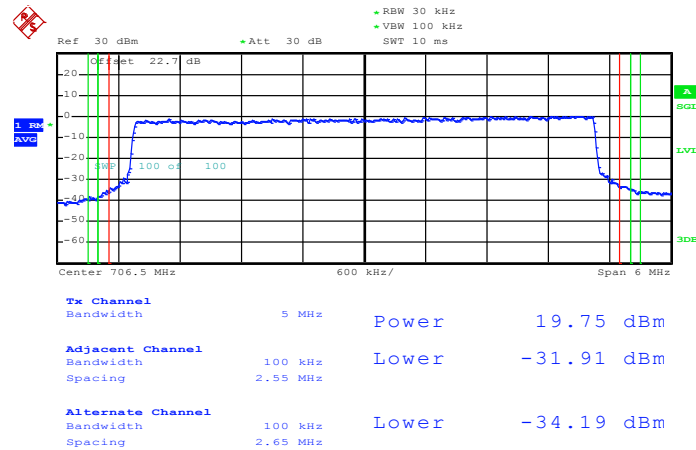
<b>Band :</b>	LTE Band 17	<b>Band Width :</b>	5MHz / 16QAM
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Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



Date: 3.SEP.2013 10:34:49

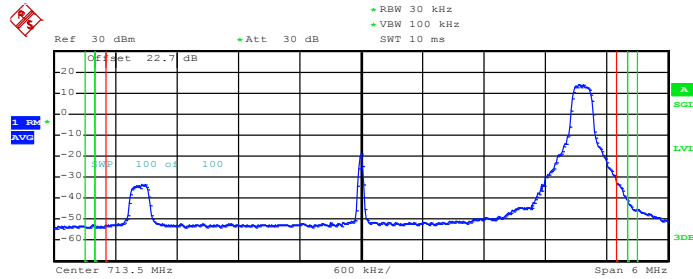
Lower Band Edge Plot for 16QAM-RB Size 25, RB Offset 0



Date: 3.SEP.2013 10:35:09



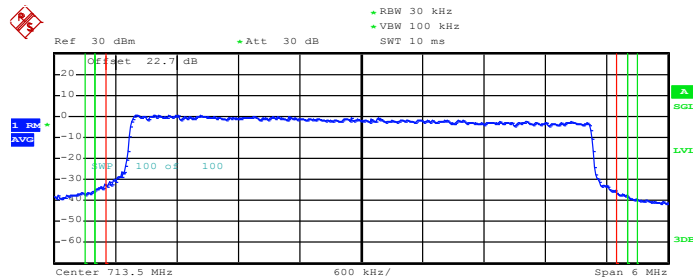
Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 24



<b>Tx Channel</b>	Bandwidth	5 MHz	Power	20.63 dBm
<b>Adjacent Channel</b>	Bandwidth	100 kHz	Upper	-30.45 dBm
	Spacing	2.55 MHz		
<b>Alternate Channel</b>	Bandwidth	100 kHz	Upper	-38.90 dBm
	Spacing	2.65 MHz		

Date: 3.SEP.2013 10:32:52

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



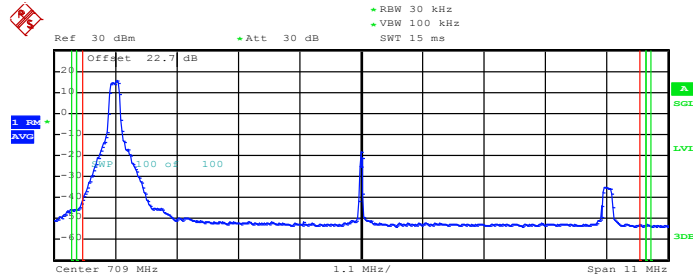
<b>Tx Channel</b>	Bandwidth	5 MHz	Power	19.69 dBm
<b>Adjacent Channel</b>	Bandwidth	100 kHz	Upper	-32.53 dBm
	Spacing	2.55 MHz		
<b>Alternate Channel</b>	Bandwidth	100 kHz	Upper	-34.18 dBm
	Spacing	2.65 MHz		

Date: 3.SEP.2013 10:32:13



<b>Band :</b>	LTE Band 17	<b>Band Width :</b>	10MHz / QPSK
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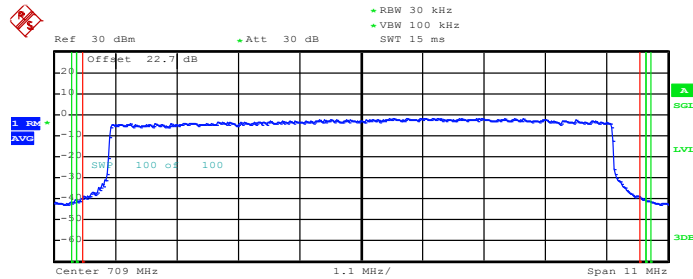
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



<b>Tx Channel</b>	Bandwidth	10 MHz	<b>Power</b>	22.40 dBm
<b>Adjacent Channel</b>	Bandwidth	100 kHz	<b>Lower</b>	-39.70 dBm
	Spacing	5.05 MHz		
<b>Alternate Channel</b>	Bandwidth	100 kHz	<b>Lower</b>	-40.85 dBm
	Spacing	5.15 MHz		

Date: 3.SEP.2013 10:20:12

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

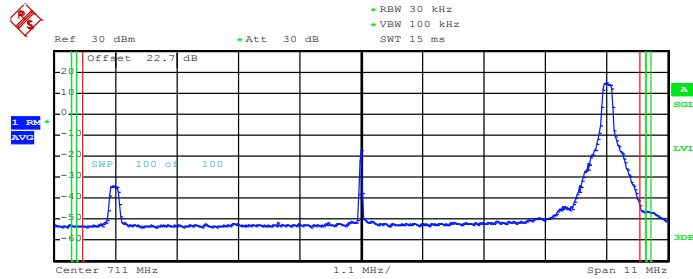


<b>Tx Channel</b>	Bandwidth	10 MHz	<b>Power</b>	21.05 dBm
<b>Adjacent Channel</b>	Bandwidth	100 kHz	<b>Lower</b>	-36.02 dBm
	Spacing	5.05 MHz		
<b>Alternate Channel</b>	Bandwidth	100 kHz	<b>Lower</b>	-36.52 dBm
	Spacing	5.15 MHz		

Date: 3.SEP.2013 10:18:59



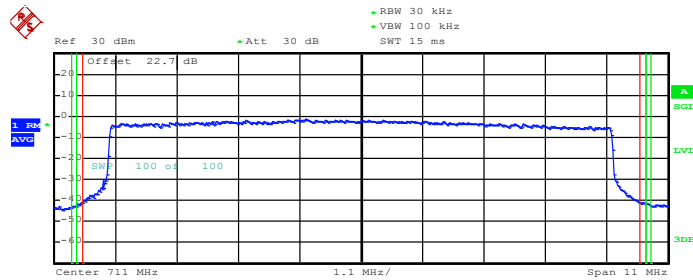
Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 49



<b>Tx Channel</b>	Bandwidth	10 MHz	Power	21.79 dBm
<b>Adjacent Channel</b>	Bandwidth	100 kHz	Upper	-40.97 dBm
	Spacing	5.05 MHz		
<b>Alternate Channel</b>	Bandwidth	100 kHz	Upper	-41.60 dBm
	Spacing	5.15 MHz		

Date: 3.SEP.2013 10:21:36

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



<b>Tx Channel</b>	Bandwidth	10 MHz	Power	21.00 dBm
<b>Adjacent Channel</b>	Bandwidth	100 kHz	Upper	-36.44 dBm
	Spacing	5.05 MHz		
<b>Alternate Channel</b>	Bandwidth	100 kHz	Upper	-37.06 dBm
	Spacing	5.15 MHz		

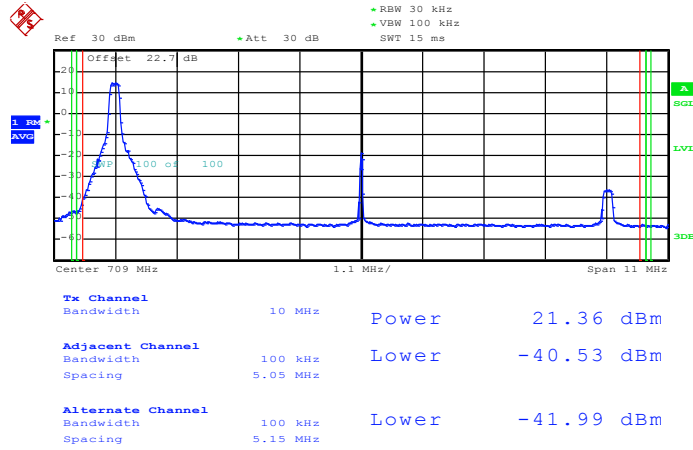
Date: 3.SEP.2013 10:29:25





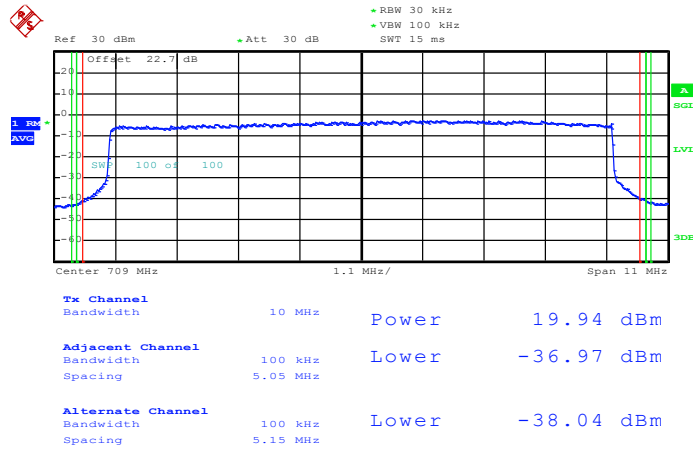
<b>Band :</b>	LTE Band 17	<b>Band Width :</b>	10MHz / 16QAM
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Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



Date: 3.SEP.2013 10:19:50

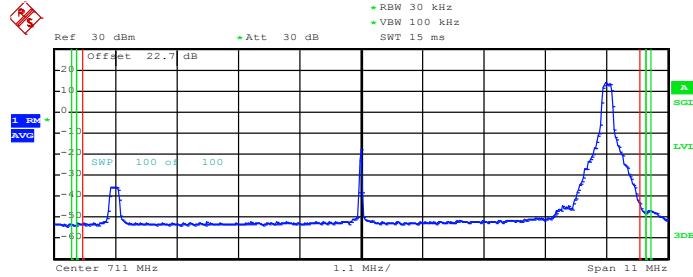
Lower Band Edge Plot for 16QAM-RB Size 50, RB Offset 0



Date: 3.SEP.2013 10:19:21



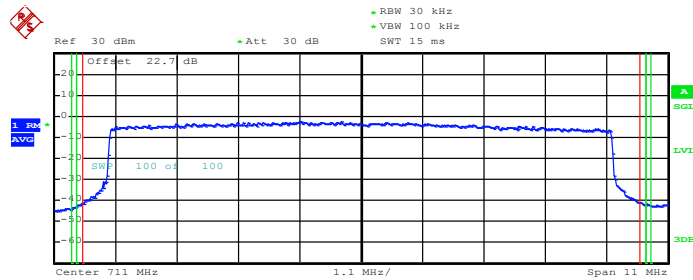
Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 49



<b>Tx Channel</b>	Bandwidth	10 MHz	Power	20.79 dBm
<b>Adjacent Channel</b>	Bandwidth	100 kHz	Upper	-41.68 dBm
	Spacing	5.05 MHz		
<b>Alternate Channel</b>	Bandwidth	100 kHz	Upper	-42.34 dBm
	Spacing	5.15 MHz		

Date: 3.SEP.2013 10:28:02

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



<b>Tx Channel</b>	Bandwidth	10 MHz	Power	19.96 dBm
<b>Adjacent Channel</b>	Bandwidth	100 kHz	Upper	-36.73 dBm
	Spacing	5.05 MHz		
<b>Alternate Channel</b>	Bandwidth	100 kHz	Upper	-37.30 dBm
	Spacing	5.15 MHz		

Date: 3.SEP.2013 10:29:07