



FCC RF Test Report

APPLICANT : ZTE CORPORATION
EQUIPMENT : CDMA/LTE Digital Mobile Handset
BRAND NAME : ZTE
MODEL NAME : ZTE N9120
FCC ID : Q78-ZTEN9120
STANDARD : 47 CFR Part 2, 24(E), 27(L)
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)

The product was received on Jul. 13, 2012 and completely tested on Aug. 16, 2012. We, SPORTON INTERNATIONAL (KUNSHAN) 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 (KUNSHAN) INC., the test report shall not be reproduced except in full.

Reviewed by:

Jones Tsai / Manager



SPORTON INTERNATIONAL (KUNSHAN) INC.
No. 3-2, PingXiang Road, Kunshan, Jiangsu Province, P.R.C.



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SUMMARY OF TEST RESULT

Report Section	FCC Rule	IC Rule	Description	Limit	Result	Remark
3.1	§2.1046	NA	Conducted Output Power	NA	PASS	-
3.1	§24.232(c)	RSS-133 (6.4) SRSP-510(5.1.2)	Equivalent Isotropic Radiated Power	EIRP < 2 Watt (Band 2)	PASS	-
3.1	§27.50(c)(10) §27.50(d)(4)	RSS-139 (6.4) SRSP-513(5.1.2)	Equivalent Isotropic Radiated Power	EIRP < 1 Watt (Band 4)	PASS	-
3.2	§24.232(d) §27.50(d)(5)	RSS-133(6.4) RSS-139(6.4)	Peak-to-Average Ratio	<13 dB	PASS	-
3.3	§2.1049 §24.238(a) §27.53(g) (h)	N/A	Occupied Bandwidth	NA	PASS	-
3.4	§2.1051 §24.238(a) §27.53(g)(h)	RSS-133 (6.5.1) RSS-139 (6.5)	Emission Mask Measurement	< 43+10log ₁₀ (P[Watts])	PASS	-
3.4	§2.1051 §24.238(a) §27.53(g)(h)	RSS-133 (6.5.1) RSS-139 (6.5)	Conducted Spurious Emission	< 43+10log ₁₀ (P[Watts])	PASS	-
3.5	§2.1053 §24.238(a) §27.53(g)(h)	RSS-133 (6.5.1) RSS-139 (6.5)	Undesirable Out of Band Emissions	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 38.50 dB at 11130.000 MHz
3.6	§2.1055 §24.235 §27.54	RSS-133 (6.3) RSS-139 (6.3)	Frequency Stability Temperature & Voltage	< 2.5 ppm	PASS	-

1 General Description

1.1 Applicant

ZTE CORPORATION

ZTE Plaza, Keji Road South, Hi-Tech, Industrial Park, Nanshan District, Shenzhen, Guangdong, 518057, P.R.China

1.2 Manufacturer

ZTE CORPORATION

ZTE Plaza, Keji Road South, Hi-Tech, Industrial Park, Nanshan District, Shenzhen, Guangdong, 518057, P.R.China

1.3 Feature of Equipment Under Test

Product Feature	
Equipment	CDMA/LTE Digital Mobile Handset
Brand Name	ZTE
Model Name	ZTE N9120
FCC ID	Q78-ZTEN9120
EUT supports Radios application	CDMA/EV-DO/LTE/WLAN 11bgn/Bluetooth
HW Version	N9120.H02
SW Version	N9120V1.0.0B03
EUT Stage	Identical Prototype

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

Product Specification subjective to this standard	
Tx Frequency	LTE Band 2 : 1850.7 MHz ~ 1909.3 MHz LTE Band 4 : 1710.7MHz ~ 1754.3 MHz
Rx Frequency	LTE Band 2 : 1930.7 MHz ~ 1989.3 MHz LTE Band 4 : 2110.7 MHz ~ 2154.3 MHz
Bandwidth	1.4MHz / 3MHz / 5MHz/ 10MHz / 15MHz / 20MHz
Maximum Output Average Power to Antenna	LTE Band 2 : 23.05 dBm LTE Band 4 : 22.89 dBm
Antenna Type	PIFA Antenna
Type of Modulation	QPSK / 16QAM

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 Emission Designator and Maximum EIRP

FCC Rule	System	Type of Modulation	BW	Maximum EIRP (W)	Emission Designator
Part 24E	LTE Band 2	QPSK	1.4MHz	0.4169 W	1M10G7D
Part 24E	LTE Band 2	16QAM	1.4MHz	0.4550 W	1M10D7W
Part 24E	LTE Band 2	QPSK	3MHz	0.5248 W	2M74G7D
Part 24E	LTE Band 2	16QAM	3MHz	0.4710 W	2M74D7W
Part 24E	LTE Band 2	QPSK	5MHz	0.5572 W	4M50G7D
Part 24E	LTE Band 2	16QAM	5MHz	0.5433 W	4M52D7W
Part 24E	LTE Band 2	QPSK	10MHz	0.5000 W	9M16G7D
Part 24E	LTE Band 2	16QAM	10MHz	0.4898 W	9M12D7W
Part 24E	LTE Band 2	QPSK	15MHz	0.3428 W	13M5G7D
Part 24E	LTE Band 2	16QAM	15MHz	0.3936 W	13M6D7W
Part 24E	LTE Band 2	QPSK	20MHz	0.3289 W	18M0G7D
Part 24E	LTE Band 2	16QAM	20MHz	0.2958 W	18M0D7W
Part 27L	LTE Band 4	QPSK	1.4MHz	0.4819 W	1M10G7D
Part 27L	LTE Band 4	16QAM	1.4MHz	0.4227 W	1M10D7W
Part 27L	LTE Band 4	QPSK	3MHz	0.4477 W	2M74G7D
Part 27L	LTE Band 4	16QAM	3MHz	0.3724 W	2M74D7W
Part 27L	LTE Band 4	QPSK	5MHz	0.3741 W	4M52G7D
Part 27L	LTE Band 4	16QAM	5MHz	0.3412 W	4M50D7W
Part 27L	LTE Band 4	QPSK	10MHz	0.3483 W	9M16G7D
Part 27L	LTE Band 4	16QAM	10MHz	0.3155 W	9M12D7W
Part 27L	LTE Band 4	QPSK	15MHz	0.3837 W	13M6G7D
Part 27L	LTE Band 4	16QAM	15MHz	0.3750 W	13M6D7W
Part 27L	LTE Band 4	QPSK	20MHz	0.3119 W	18M0G7D
Part 27L	LTE Band 4	16QAM	20MHz	0.2661 W	18M0D7W

1.5 Testing Site

Test Site	SPORTON INTERNATIONAL (KUNSHAN) INC.		
Test Site Location	No. 3-2, PingXiang Road, Kunshan, Jiangsu Province, P.R.C. TEL: +86-0512-5790-0158 FAX: +86-0512-5790-0958		
Test Site No.	Sporton Site No.		FCC/IC Registration No.
	TH01-KS	03CH01-KS	149928/4086E-1

1.6 Applied Standards

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

- ♦ 47 CFR Part 2, 24(E), 27(L)
- ♦ ANSI / TIA / EIA-603-C-2004
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v01
- ♦ IC RSS-133 Issue 5
- ♦ IC RSS-139 Issue 2

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.

1.7 Ancillary Equipment List

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	LTE Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	DC Power Supply	GWINSTEK	GPS-3030D	N/A	N/A	Unshielded, 1.8 m

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 is as follows:

1. 30 MHz to 19000 MHz for LTE Band 2.
2. 30 MHz to 19000 MHz for LTE Band 4.

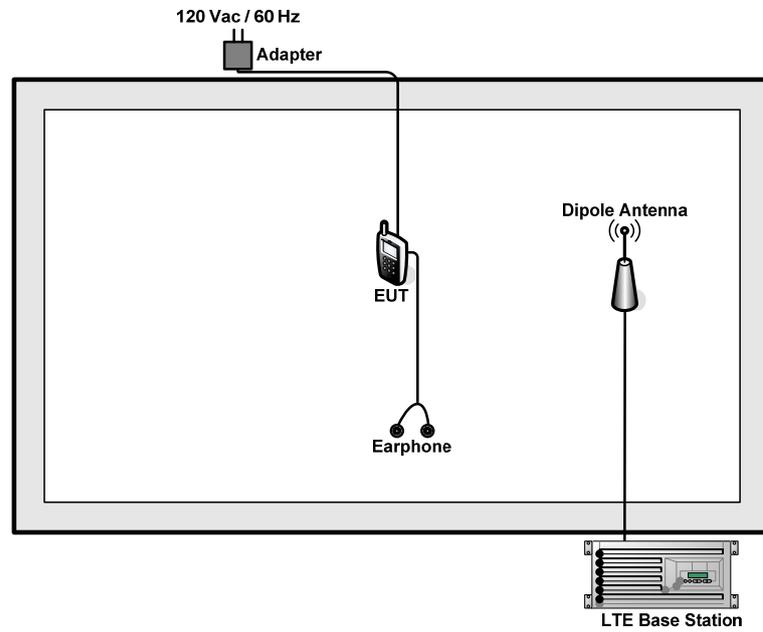
Test Modes			
Band		Radiated TCs	Conducted TCs
LTE Band 2	BW 1.4MHz	<ul style="list-style-type: none"> ■ LTE (RB Size 1, RB Offset 5) QPSK Link 	<ul style="list-style-type: none"> ■ LTE (RB Size 1, RB Offset 0)Link ■ LTE (RB Size 1, RB Offset 5)Link ■ LTE (RB Size 3, RB Offset 2)Link ■ LTE (RB Size 6, RB Offset 0)Link
	BW 3MHz	<ul style="list-style-type: none"> ■ LTE (RB Size 1, RB Offset 0) QPSK Link 	<ul style="list-style-type: none"> ■ LTE (RB Size 1, RB Offset 0)Link ■ LTE (RB Size 1, RB Offset 14)Link ■ LTE (RB Size 8, RB Offset 4)Link ■ LTE (RB Size 15, RB Offset 0)Link
	BW 5MHz	<ul style="list-style-type: none"> ■ LTE (RB Size 1, RB Offset 0) QPSK Link 	<ul style="list-style-type: none"> ■ LTE (RB Size 1, RB Offset 0)Link ■ LTE (RB Size 1, RB Offset 24)Link ■ LTE (RB Size 12, RB Offset 6)Link ■ LTE (RB Size 25, RB Offset 0)Link
	BW 10MHz	<ul style="list-style-type: none"> ■ LTE (RB Size 1, RB Offset 0) QPSK Link 	<ul style="list-style-type: none"> ■ LTE (RB Size 1, RB Offset 0)Link ■ LTE (RB Size 1, RB Offset 49)Link ■ LTE (RB Size 25, RB Offset 13)Link ■ LTE (RB Size 50, RB Offset 0)Link
	BW 15MHz	<ul style="list-style-type: none"> ■ LTE (RB Size 1, RB Offset 0) QPSK Link 	<ul style="list-style-type: none"> ■ LTE (RB Size 1, RB Offset 0)Link ■ LTE (RB Size 1, RB Offset 74)Link ■ LTE (RB Size 36, RB Offset 18)Link ■ LTE (RB Size 75, RB Offset 0)Link
	BW 20MHz	<ul style="list-style-type: none"> ■ LTE (RB Size 1, RB Offset 0) QPSK Link 	<ul style="list-style-type: none"> ■ LTE (RB Size 1, RB Offset 0) Link ■ LTE (RB Size 1, RB Offset 99) Link ■ LTE (RB Size 50, RB Offset 25) Link ■ LTE (RB Size 100, RB Offset 0) Link

Test Modes			
Band			
	Radiated TCs	Conducted TCs	
LTE Band 4	BW 1.4MHz	<ul style="list-style-type: none"> ■ LTE (RB Size 1, RB Offset 5) QPSK Link 	<ul style="list-style-type: none"> ■ LTE (RB Size 1, RB Offset 0)Link ■ LTE (RB Size 1, RB Offset 5)Link ■ LTE (RB Size 3, RB Offset 2)Link ■ LTE (RB Size 6, RB Offset 0)Link
	BW 3MHz	<ul style="list-style-type: none"> ■ LTE (RB Size 1, RB Offset 14) QPSK Link 	<ul style="list-style-type: none"> ■ LTE (RB Size 1, RB Offset 0)Link ■ LTE (RB Size 1, RB Offset 14)Link ■ LTE (RB Size 8, RB Offset 4)Link ■ LTE (RB Size 15, RB Offset 0)Link
	BW 5MHz	<ul style="list-style-type: none"> ■ LTE (RB Size 1, RB Offset 24) QPSK Link 	<ul style="list-style-type: none"> ■ LTE (RB Size 1, RB Offset 0)Link ■ LTE (RB Size 1, RB Offset 24)Link ■ LTE (RB Size 12, RB Offset 6)Link ■ LTE (RB Size 25, RB Offset 0)Link
	BW 10MHz	<ul style="list-style-type: none"> ■ LTE (RB Size 1, RB Offset 0) QPSK Link 	<ul style="list-style-type: none"> ■ LTE (RB Size 1, RB Offset 0)Link ■ LTE (RB Size 1, RB Offset 49)Link ■ LTE (RB Size 25, RB Offset 13)Link ■ LTE (RB Size 50, RB Offset 0)Link
	BW 15MHz	<ul style="list-style-type: none"> ■ LTE (RB Size 1, RB Offset 0) QPSK Link 	<ul style="list-style-type: none"> ■ LTE (RB Size 1, RB Offset 0)Link ■ LTE (RB Size 1, RB Offset 74)Link ■ LTE (RB Size 36, RB Offset 18)Link ■ LTE (RB Size 75, RB Offset 0)Link
	BW 20MHz	<ul style="list-style-type: none"> ■ LTE (RB Size 1, RB Offset 0) QPSK Link 	<ul style="list-style-type: none"> ■ LTE (RB Size 1, RB Offset 0) Link ■ LTE (RB Size 1, RB Offset 99) Link ■ LTE (RB Size 50, RB Offset 25) Link ■ LTE (RB Size 100, RB Offset 0) Link

Note:

1. For conducted test, both two Modulations (QPSK and 16QAM) are tested. For RSE, only the maximum RF output power level is chosen.
2. From conducted spurious emission measurement, the modulation related spurious emission out of the band is not identified. Since MPR is implemented, 1RB-QPSK results in highest RF power, therefore it's chosen for RSE measurement.

2.2 Connection Diagram of Test System



3 Test Result

3.1 Maximum Output Power and Effective Isotropic Radiated Power Measurement

3.1.1 Limit

Equivalent isotropic radiated power output measurements by substitution method according to ANSI / TIA / EIA-603-C-2004. Mobile and portable (hand-held) stations operating in each channel are limited to average EIRP of 2 watts with band 2 and 1 watt with band 4.

3.1.2 Measuring Instruments

See list of measuring instruments of this test report.

3.1.3 Test Procedures

For Conducted Power Measurement:

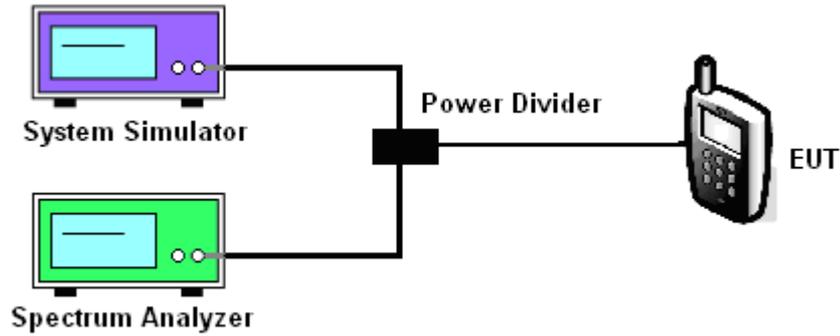
1. The RF output of the transmitter was connected to base station simulator.
2. Set EUT at maximum average power by base station simulator.
3. Measure lowest, middle, and highest channels for each bandwidth and different modulation.

For Effective Isotropic Radiated Power Measurement:

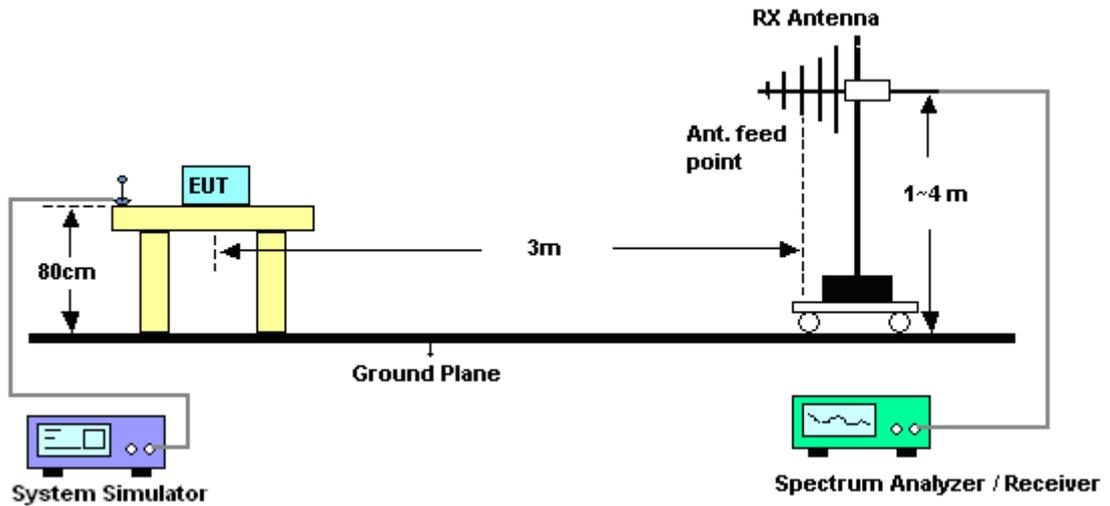
1. The EUT was placed on an non-conductive rotating platform with 0.8 meter height in a semi-anechoic chamber. The radiated emission at the fundamental frequency was measured at 3 m.
2. During the measurement, the EUT was enforced in maximum power. The highest emission was recorded from analyzer power level (LVL) from the 360 degrees rotation of the turntable and the test antenna raised and lowered over a range from 1 to 4 meters in both horizontally and vertically polarized orientations.
3. Effective Radiated Power (ERP) and Effective Isotropic Radiated Power (EIRP) was measured by substitution method according to TIA/EIA-603-C. The EUT was replaced by dipole antenna (substitution antenna) at same location, and then a known power from S.G. was applied into the dipole antenna through a Tx cable, and then recorded the maximum Analyzer reading through raised and lowered the test antenna. The correction factor (in dB) = S.G. - Tx Cable loss + Substitution antenna gain - Analyzer reading. Then the EUT's EIRP was calculated with the correction factor, $EIRP = LVL + \text{Correction factor}$.

3.1.4 Test Setup

<Conducted Power and Band Edge Measurement>



< Effective Isotropic Radiated Power Measurement >



3.1.5 Test Result of Conducted Output Power

Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 2	1.4MHz	18607	1850.7	QPSK	1	0	22.56	0.1803
					1	5	22.42	0.1746
					3	2	22.39	0.1734
					6	0	21.55	0.1429
				16-QAM	1	0	21.54	0.1426
					1	5	21.63	0.1455
					3	2	21.39	0.1377
					6	0	20.68	0.1169
		18900	1880	QPSK	1	0	22.78	0.1897
					1	5	22.88	0.1941
					3	2	22.72	0.1871
					6	0	21.69	0.1476
				16-QAM	1	0	21.85	0.1531
					1	5	21.61	0.1449
					3	2	21.73	0.1489
					6	0	20.78	0.1197
		19193	1909.3	QPSK	1	0	22.88	0.1941
					1	5	22.66	0.1845
					3	2	22.63	0.1832
					6	0	21.53	0.1422
				16-QAM	1	0	21.68	0.1472
					1	5	21.45	0.1396
					3	2	21.77	0.1503
					6	0	20.47	0.1114



Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 2	3MHz	18615	1851.5	QPSK	1	0	22.92	0.1959
					1	14	22.51	0.1782
					8	4	21.49	0.1409
					15	0	21.43	0.1390
				16-QAM	1	0	21.66	0.1466
					1	14	21.86	0.1535
					8	4	20.47	0.1114
					15	0	20.46	0.1112
		18900	1880	QPSK	1	0	22.75	0.1884
					1	14	22.81	0.1910
					8	4	21.80	0.1514
					15	0	21.64	0.1459
				16-QAM	1	0	21.78	0.1507
					1	14	21.86	0.1535
					8	4	20.72	0.1180
					15	0	20.57	0.1140
		19185	1908.5	QPSK	1	0	22.85	0.1928
					1	14	22.50	0.1778
					8	4	21.49	0.1409
					15	0	21.44	0.1393
				16-QAM	1	0	21.98	0.1578
					1	14	21.64	0.1459
					8	4	20.40	0.1096
					15	0	20.48	0.1117



Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 2	5MHz	18625	1852.5	QPSK	1	0	22.80	0.1905
					1	24	22.79	0.1901
					12	6	21.69	0.1476
					25	0	21.46	0.1400
				16-QAM	1	0	21.81	0.1517
					1	24	21.80	0.1514
					12	6	20.75	0.1189
					25	0	20.45	0.1109
		18900	1880	QPSK	1	0	22.66	0.1845
					1	24	22.70	0.1862
					12	6	21.63	0.1455
					25	0	21.51	0.1416
				16-QAM	1	0	21.70	0.1479
					1	24	21.71	0.1483
					12	6	20.77	0.1194
					25	0	20.58	0.1143
		19175	1907.5	QPSK	1	0	22.80	0.1905
					1	24	22.38	0.1730
					12	6	21.65	0.1462
					25	0	21.48	0.1406
				16-QAM	1	0	21.91	0.1552
					1	24	21.71	0.1483
					12	6	20.71	0.1178
					25	0	20.56	0.1138



Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 2	10MHz	18650	1855	QPSK	1	0	23.02	0.2004
					1	49	22.70	0.1862
					25	13	21.58	0.1439
					50	0	21.64	0.1459
				16-QAM	1	0	21.74	0.1493
					1	49	21.68	0.1472
					25	13	20.59	0.1146
					50	0	20.60	0.1148
		18900	1880	QPSK	1	0	22.69	0.1858
					1	49	22.79	0.1901
					25	13	21.59	0.1442
					50	0	21.39	0.1377
				16-QAM	1	0	22.01	0.1589
					1	49	22.03	0.1596
					25	13	20.69	0.1172
					50	0	20.40	0.1096
		19150	1905	QPSK	1	0	22.87	0.1936
					1	49	22.68	0.1854
					25	13	21.63	0.1455
					50	0	21.46	0.1400
				16-QAM	1	0	21.61	0.1449
					1	49	21.71	0.1483
					25	13	20.54	0.1132
					50	0	20.37	0.1089



Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 2	15MHz	18675	1857.5	QPSK	1	0	22.87	0.1936
					1	74	22.73	0.1875
					36	18	21.43	0.1390
					75	0	21.37	0.1371
				16-QAM	1	0	22.32	0.1706
					1	74	21.88	0.1542
					36	18	20.47	0.1114
					75	0	20.37	0.1089
		18900	1880	QPSK	1	0	23.01	0.2000
					1	74	22.75	0.1884
					36	18	21.62	0.1452
					75	0	21.61	0.1449
				16-QAM	1	0	22.26	0.1683
					1	74	21.94	0.1563
					36	18	20.62	0.1153
					75	0	20.75	0.1189
		19125	1902.5	QPSK	1	0	23.01	0.2000
					1	74	22.72	0.1871
					36	18	21.51	0.1416
					75	0	21.53	0.1422
				16-QAM	1	0	22.20	0.1660
					1	74	21.86	0.1535
					36	18	20.54	0.1132
					75	0	20.52	0.1127



Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 2	20MHz	18700	1860	QPSK	1	0	23.03	0.2009
					1	99	23.01	0.2000
					50	25	21.60	0.1445
					100	0	21.55	0.1429
				16-QAM	1	0	22.05	0.1603
					1	99	22.04	0.1600
					50	25	20.60	0.1148
					100	0	20.58	0.1143
		18900	1880	QPSK	1	0	23.05	0.2018
					1	99	23.02	0.2004
					50	25	21.68	0.1472
					100	0	21.65	0.1462
				16-QAM	1	0	21.58	0.1439
					1	99	21.62	0.1452
					50	25	20.65	0.1161
					100	0	20.62	0.1153
		19100	1900	QPSK	1	0	22.89	0.1945
					1	99	22.85	0.1928
					50	25	21.99	0.1581
					100	0	21.65	0.1462
				16-QAM	1	0	21.93	0.1560
					1	99	21.88	0.1542
					50	25	20.55	0.1135
					100	0	20.56	0.1138



Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 4	1.4MHz	19957	1710.7	QPSK	1	0	22.68	0.1854
					1	5	22.75	0.1884
					3	2	22.62	0.1828
					6	0	21.65	0.1462
				16-QAM	1	0	21.64	0.1459
					1	5	21.54	0.1426
					3	2	21.61	0.1449
					6	0	20.85	0.1216
		20175	1732.5	QPSK	1	0	22.46	0.1762
					1	5	22.54	0.1795
					3	2	22.38	0.1730
					6	0	21.47	0.1403
				16-QAM	1	0	21.57	0.1435
					1	5	21.67	0.1469
					3	2	21.46	0.1400
					6	0	20.46	0.1112
		20393	1754.3	QPSK	1	0	22.66	0.1845
					1	5	22.61	0.1824
					3	2	22.55	0.1799
					6	0	21.57	0.1435
				16-QAM	1	0	21.67	0.1469
					1	5	21.68	0.1472
					3	2	21.51	0.1416
					6	0	20.66	0.1164



Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 4	3MHz	19965	1711.5	QPSK	1	0	22.69	0.1858
					1	14	22.72	0.1871
					8	4	21.68	0.1472
					15	0	21.71	0.1483
				16-QAM	1	0	21.64	0.1459
					1	14	21.65	0.1462
					8	4	20.79	0.1199
					15	0	20.66	0.1164
		20175	1732.5	QPSK	1	0	22.46	0.1762
					1	14	22.58	0.1811
					8	4	21.49	0.1409
					15	0	21.43	0.1390
				16-QAM	1	0	21.56	0.1432
					1	14	21.61	0.1449
					8	4	20.52	0.1127
					15	0	20.43	0.1104
		20385	1753.5	QPSK	1	0	22.72	0.1871
					1	14	22.66	0.1845
					8	4	21.67	0.1469
					15	0	21.59	0.1442
				16-QAM	1	0	21.57	0.1435
					1	14	21.54	0.1426
					8	4	20.57	0.1140
					15	0	20.53	0.1130



Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 4	5MHz	19975	1712.5	QPSK	1	0	22.59	0.1816
					1	24	22.64	0.1837
					12	6	21.67	0.1469
					25	0	21.47	0.1403
				16-QAM	1	0	21.80	0.1514
					1	24	21.58	0.1439
					12	6	20.72	0.1180
					25	0	20.36	0.1086
		20175	1732.5	QPSK	1	0	22.60	0.1820
					1	24	22.43	0.1750
					12	6	21.37	0.1371
					25	0	21.25	0.1334
				16-QAM	1	0	21.73	0.1489
					1	24	21.62	0.1452
					12	6	20.38	0.1091
					25	0	20.30	0.1072
		20375	1752.5	QPSK	1	0	22.63	0.1832
					1	24	22.53	0.1791
					12	6	21.66	0.1466
					25	0	21.40	0.1380
				16-QAM	1	0	21.74	0.1493
					1	24	21.52	0.1419
					12	6	20.68	0.1169
					25	0	20.44	0.1107



Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 4	10MHz	20000	1715	QPSK	1	0	22.62	0.1828
					1	49	22.53	0.1791
					25	13	21.51	0.1416
					50	0	21.35	0.1365
				16-QAM	1	0	21.96	0.1570
					1	49	21.89	0.1545
					25	13	20.49	0.1119
					50	0	20.35	0.1084
		20175	1732.5	QPSK	1	0	22.58	0.1811
					1	49	22.39	0.1734
					25	13	21.26	0.1337
					50	0	21.12	0.1294
				16-QAM	1	0	21.80	0.1514
					1	49	21.61	0.1449
					25	13	20.27	0.1064
					50	0	20.17	0.1040
		20350	1750	QPSK	1	0	22.48	0.1770
					1	49	22.55	0.1799
					25	13	21.36	0.1368
					50	0	21.22	0.1324
				16-QAM	1	0	21.72	0.1486
					1	49	21.51	0.1416
					25	13	20.38	0.1091
					50	0	20.25	0.1059



Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 4	15MHz	20025	1717.5	QPSK	1	0	22.63	0.1832
					1	74	22.60	0.1820
					36	18	21.36	0.1368
					75	0	21.45	0.1396
				16-QAM	1	0	21.87	0.1538
					1	74	21.72	0.1486
					36	18	20.45	0.1109
					75	0	20.31	0.1074
		20175	1732.5	QPSK	1	0	22.60	0.1820
					1	74	22.39	0.1734
					36	18	21.21	0.1321
					75	0	21.20	0.1318
				16-QAM	1	0	21.59	0.1442
					1	74	21.61	0.1449
					36	18	20.22	0.1052
					75	0	20.21	0.1050
		20325	1747.5	QPSK	1	0	22.52	0.1786
					1	74	22.55	0.1799
					36	18	21.31	0.1352
					75	0	21.18	0.1312
				16-QAM	1	0	21.67	0.1469
					1	74	21.53	0.1422
					36	18	20.33	0.1079
					75	0	20.13	0.1030



Mode	Band Width	Channel	Frequency (MHz)	Modulation	RB Configuration		Average Power (dBm)	Average Power (Watts)
					RB Size	RB Offset		
LTE Band 4	20MHz	20050	1720	QPSK	1	0	22.86	0.1932
					1	99	22.60	0.1820
					50	25	21.39	0.1377
					100	0	21.55	0.1429
				16-QAM	1	0	21.97	0.1574
					1	99	21.86	0.1535
					50	25	20.41	0.1099
					100	0	20.37	0.1089
		20175	1732.5	QPSK	1	0	22.89	0.1945
					1	99	22.70	0.1862
					50	25	21.41	0.1384
					100	0	21.55	0.1429
				16-QAM	1	0	21.78	0.1507
					1	99	21.68	0.1472
					50	25	20.50	0.1122
					100	0	20.51	0.1125
		20300	1745	QPSK	1	0	22.45	0.1758
					1	99	22.55	0.1799
					50	25	21.17	0.1309
					100	0	21.24	0.1330
				16-QAM	1	0	21.70	0.1479
					1	99	21.66	0.1466
					50	25	20.21	0.1050
					100	0	20.24	0.1057

3.1.6 Test Result of EIRP

LTE Band 2 Radiated Power EIRP										
LTE BAND	Channel BW (MHz)	Modulation	RB Configuration		Freq. (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)	H/V
			RB Size	RB Offset						
2	1.4	QPSK	1	0	1850.70	-10.96	37.16	26.20	0.4169	H
2	1.4	QPSK	1	5	1880.00	-10.88	35.61	24.73	0.2972	H
2	1.4	QPSK	1	0	1909.30	-11.87	36.04	24.17	0.2612	H
2	1.4	QPSK	1	0	1850.70	-19.31	36.1	16.79	0.0478	V
2	1.4	QPSK	1	5	1880.00	-19.23	37.44	18.21	0.0662	V
2	1.4	QPSK	1	0	1909.30	-19.78	39.12	19.34	0.0859	V
2	1.4	16QAM	1	5	1850.70	-10.58	37.16	26.58	0.4550	H
2	1.4	16QAM	1	0	1880.00	-10.84	35.61	24.77	0.2999	H
2	1.4	16QAM	3	2	1909.30	-11.47	36.04	24.57	0.2864	H
2	1.4	16QAM	1	5	1850.70	-18.02	36.1	18.08	0.0643	V
2	1.4	16QAM	1	0	1880.00	-17.93	37.44	19.51	0.0893	V
2	1.4	16QAM	3	2	1909.30	-18.18	39.12	20.94	0.1242	V
2	3	QPSK	1	0	1851.50	-9.96	37.16	27.20	0.5248	H
2	3	QPSK	1	14	1880.00	-9.42	35.61	26.19	0.4159	H
2	3	QPSK	1	0	1908.50	-9.51	36.04	26.53	0.4498	H
2	3	QPSK	1	0	1851.50	-16.02	36.1	20.08	0.1019	V
2	3	QPSK	1	14	1880.00	-15.32	37.44	22.12	0.1629	V
2	3	QPSK	1	0	1908.50	-17.89	39.12	21.23	0.1327	V
2	3	16QAM	1	14	1851.50	-10.43	37.16	26.73	0.4710	H
2	3	16QAM	1	14	1880.00	-9.88	35.61	25.73	0.3741	H
2	3	16QAM	1	0	1908.50	-10.10	36.04	25.94	0.3926	H
2	3	16QAM	1	14	1851.50	-16.86	36.1	19.24	0.0839	V
2	3	16QAM	1	14	1880.00	-16.26	37.44	21.18	0.1312	V
2	3	16QAM	1	0	1908.50	-18.28	39.12	20.84	0.1213	V



LTE Band 2 Radiated Power EIRP										
LTE BAND	Channel BW (MHz)	Modulation	RB Configuration		Freq. (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)	H/V
			RB Size	RB Offset						
2	5	QPSK	1	0	1852.50	-9.70	37.16	27.46	0.5572	H
2	5	QPSK	1	24	1880.00	-9.87	35.61	25.74	0.3750	H
2	5	QPSK	1	0	1907.50	-10.92	36.04	25.12	0.3251	H
2	5	QPSK	1	0	1852.50	-16.06	36.1	20.04	0.1009	V
2	5	QPSK	1	24	1880.00	-16.44	37.44	21.00	0.1259	V
2	5	QPSK	1	0	1907.50	-17.86	39.12	21.26	0.1337	V
2	5	16QAM	1	0	1852.50	-9.81	37.16	27.35	0.5433	H
2	5	16QAM	1	24	1880.00	-9.61	35.61	26.00	0.3981	H
2	5	16QAM	1	0	1907.50	-9.66	36.04	26.38	0.4345	H
2	5	16QAM	1	0	1852.50	-15.51	36.1	20.59	0.1146	V
2	5	16QAM	1	24	1880.00	-16.50	37.44	20.94	0.1242	V
2	5	16QAM	1	0	1907.50	-17.04	39.12	22.08	0.1614	V
2	10	QPSK	1	0	1855.00	-10.17	37.16	26.99	0.5000	H
2	10	QPSK	1	49	1880.00	-10.81	35.61	24.80	0.3020	H
2	10	QPSK	1	0	1905.00	-11.50	36.04	24.54	0.2844	H
2	10	QPSK	1	0	1855.00	-16.02	36.1	20.08	0.1019	V
2	10	QPSK	1	49	1880.00	-17.54	37.44	19.90	0.0977	V
2	10	QPSK	1	0	1905.00	-17.83	39.12	21.29	0.1346	V
2	10	16QAM	1	0	1855.00	-10.26	37.16	26.90	0.4898	H
2	10	16QAM	1	49	1880.00	-10.70	35.61	24.91	0.3097	H
2	10	16QAM	1	49	1905.00	-11.02	36.04	25.02	0.3177	H
2	10	16QAM	1	0	1855.00	-16.27	36.1	19.83	0.0962	V
2	10	16QAM	1	49	1880.00	-17.23	37.44	20.21	0.1050	V
2	10	16QAM	1	49	1905.00	-17.57	39.12	21.55	0.1429	V



LTE Band 2 Radiated Power EIRP										
LTE BAND	Channel BW (MHz)	Modulation	RB Configuration		Freq. (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)	H/V
			RB Size	RB Offset						
2	15	QPSK	1	0	1857.50	-11.81	37.16	25.35	0.3428	H
2	15	QPSK	1	0	1880.00	-11.69	35.61	23.92	0.2466	H
2	15	QPSK	1	0	1902.50	-11.38	36.04	24.66	0.2924	H
2	15	QPSK	1	0	1857.50	-16.11	36.1	19.99	0.0998	V
2	15	QPSK	1	0	1880.00	-16.21	37.44	21.23	0.1327	V
2	15	QPSK	1	0	1902.50	-17.60	39.12	21.52	0.1419	V
2	15	16QAM	1	0	1857.50	-11.21	37.16	25.95	0.3936	H
2	15	16QAM	1	0	1880.00	-11.22	35.61	24.39	0.2748	H
2	15	16QAM	1	0	1902.50	-11.36	36.04	24.68	0.2938	H
2	15	16QAM	1	0	1857.50	-16.65	36.1	19.45	0.0881	V
2	15	16QAM	1	0	1880.00	-16.45	37.44	20.99	0.1256	V
2	15	16QAM	1	0	1902.50	-17.64	39.12	21.48	0.1406	V
2	20	QPSK	1	0	1860.00	-11.99	37.16	25.17	0.3289	H
2	20	QPSK	1	0	1880.00	-12.02	35.61	23.59	0.2286	H
2	20	QPSK	1	0	1900.00	-12.83	36.04	23.21	0.2094	H
2	20	QPSK	1	0	1860.00	-17.18	36.1	18.92	0.0780	V
2	20	QPSK	1	0	1880.00	-19.16	37.44	18.28	0.0673	V
2	20	QPSK	1	0	1900.00	-19.12	39.12	20.00	0.1000	V
2	20	16QAM	1	0	1860.00	-12.45	37.16	24.71	0.2958	H
2	20	16QAM	1	99	1880.00	-11.83	35.61	23.78	0.2388	H
2	20	16QAM	1	0	1900.00	-13.11	36.04	22.93	0.1963	H
2	20	16QAM	1	0	1860.00	-17.67	36.1	18.43	0.0697	V
2	20	16QAM	1	99	1880.00	-19.85	37.44	17.59	0.0574	V
2	20	16QAM	1	0	1900.00	-19.72	39.12	19.40	0.0871	V



LTE Band 4 Radiated Power EIRP										
LTE BAND	Channel BW (MHz)	Modulation	RB Configuration		Freq. (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)	H/V
			RB Size	RB Offset						
4	1.4	QPSK	1	5	1710.70	-11.78	38.61	26.83	0.4819	H
4	1.4	QPSK	1	5	1732.50	-11.62	37.2	25.58	0.3614	H
4	1.4	QPSK	1	0	1754.30	-12.34	35.92	23.58	0.2280	H
4	1.4	QPSK	1	5	1710.70	-22.09	34.84	12.75	0.0188	V
4	1.4	QPSK	1	5	1732.50	-22.74	37.92	15.18	0.0330	V
4	1.4	QPSK	1	0	1754.30	-20.80	40.63	19.83	0.0962	V
4	1.4	16QAM	1	0	1710.70	-12.35	38.61	26.26	0.4227	H
4	1.4	16QAM	1	5	1732.50	-12.15	37.2	25.05	0.3199	H
4	1.4	16QAM	1	5	1754.30	-12.52	35.92	23.40	0.2188	H
4	1.4	16QAM	1	0	1710.70	-22.62	34.84	12.22	0.0167	V
4	1.4	16QAM	1	5	1732.50	-23.15	37.92	14.77	0.0300	V
4	1.4	16QAM	1	5	1754.30	-21.18	40.63	19.45	0.0881	V
4	3	QPSK	1	14	1711.50	-12.10	38.61	26.51	0.4477	H
4	3	QPSK	1	14	1732.50	-11.95	37.2	25.25	0.3350	H
4	3	QPSK	1	0	1753.50	-12.40	35.92	23.52	0.2249	H
4	3	QPSK	1	14	1711.50	-20.49	34.84	14.35	0.0272	V
4	3	QPSK	1	14	1732.50	-21.97	37.92	15.95	0.0394	V
4	3	QPSK	1	0	1753.50	-21.59	40.63	19.04	0.0802	V
4	3	16QAM	1	14	1711.50	-12.90	38.61	25.71	0.3724	H
4	3	16QAM	1	14	1732.50	-12.73	37.2	24.47	0.2799	H
4	3	16QAM	1	0	1753.50	-13.02	35.92	22.90	0.1950	H
4	3	16QAM	1	14	1711.50	-21.47	34.84	13.37	0.0217	V
4	3	16QAM	1	14	1732.50	-22.67	37.92	15.25	0.0335	V
4	3	16QAM	1	0	1753.50	-22.23	40.63	18.40	0.0692	V



LTE Band 4 Radiated Power EIRP										
LTE BAND	Channel BW (MHz)	Modulation	RB Configuration		Freq. (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)	H/V
			RB Size	RB Offset						
4	5	QPSK	1	24	1712.50	-12.88	38.61	25.73	0.3741	H
4	5	QPSK	1	0	1732.50	-11.99	37.2	25.21	0.3319	H
4	5	QPSK	1	0	1752.50	-12.68	35.92	23.24	0.2109	H
4	5	QPSK	1	24	1712.50	-19.77	34.84	15.07	0.0321	V
4	5	QPSK	1	0	1732.50	-20.43	37.92	17.49	0.0561	V
4	5	QPSK	1	0	1752.50	-21.95	40.63	18.68	0.0738	V
4	5	16QAM	1	0	1712.50	-13.28	38.61	25.33	0.3412	H
4	5	16QAM	1	0	1732.50	-12.17	37.2	25.03	0.3184	H
4	5	16QAM	1	0	1752.50	-13.17	35.92	22.75	0.1884	H
4	5	16QAM	1	0	1712.50	-20.94	34.84	13.90	0.0245	V
4	5	16QAM	1	0	1732.50	-20.51	37.92	17.41	0.0551	V
4	5	16QAM	1	0	1752.50	-21.51	40.63	19.12	0.0817	V
4	10	QPSK	1	0	1715.00	-13.19	38.61	25.42	0.3483	H
4	10	QPSK	1	0	1732.50	-12.29	37.2	24.91	0.3097	H
4	10	QPSK	1	49	1750.00	-13.13	35.92	22.79	0.1901	H
4	10	QPSK	1	0	1715.00	-19.42	34.84	15.42	0.0348	V
4	10	QPSK	1	0	1732.50	-19.33	37.92	18.59	0.0723	V
4	10	QPSK	1	49	1750.00	-20.86	40.63	19.77	0.0948	V
4	10	16QAM	1	0	1715.00	-13.62	38.61	24.99	0.3155	H
4	10	16QAM	1	0	1732.50	-12.79	37.2	24.41	0.2761	H
4	10	16QAM	1	0	1750.00	-12.87	35.92	23.05	0.2018	H
4	10	16QAM	1	0	1715.00	-20.13	34.84	14.71	0.0296	V
4	10	16QAM	1	0	1732.50	-19.78	37.92	18.14	0.0652	V
4	10	16QAM	1	0	1750.00	-20.96	40.63	19.67	0.0927	V



LTE Band 4 Radiated Power EIRP										
LTE BAND	Channel BW (MHz)	Modulation	RB Configuration		Freq. (MHz)	LVL (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)	H/V
			RB Size	RB Offset						
4	15	QPSK	1	0	1717.50	-14.62	38.61	23.99	0.2506	H
4	15	QPSK	1	0	1732.50	-11.36	37.2	25.84	0.3837	H
4	15	QPSK	1	74	1747.50	-11.24	35.92	24.68	0.2938	H
4	15	QPSK	1	0	1717.50	-19.33	34.84	15.51	0.0356	V
4	15	QPSK	1	0	1732.50	-19.24	37.92	18.68	0.0738	V
4	15	QPSK	1	74	1747.50	-19.22	40.63	21.41	0.1384	V
4	15	16QAM	1	0	1717.50	-14.35	38.61	24.26	0.2667	H
4	15	16QAM	1	74	1732.50	-11.46	37.2	25.74	0.3750	H
4	15	16QAM	1	0	1747.50	-11.13	35.92	24.79	0.3013	H
4	15	16QAM	1	0	1717.50	-19.80	34.84	15.04	0.0319	V
4	15	16QAM	1	74	1732.50	-19.55	37.92	18.37	0.0687	V
4	15	16QAM	1	0	1747.50	-20.10	40.63	20.53	0.1130	V
4	20	QPSK	1	0	1720.00	-13.67	38.61	24.94	0.3119	H
4	20	QPSK	1	0	1732.50	-12.87	37.2	24.33	0.2710	H
4	20	QPSK	1	99	1745.00	-12.90	35.92	23.02	0.2004	H
4	20	QPSK	1	0	1720.00	-20.08	34.84	14.76	0.0299	V
4	20	QPSK	1	0	1732.50	-19.85	37.92	18.07	0.0641	V
4	20	QPSK	1	99	1745.00	-19.58	40.63	21.05	0.1274	V
4	20	16QAM	1	0	1720.00	-14.36	38.61	24.25	0.2661	H
4	20	16QAM	1	0	1732.50	-13.59	37.2	23.61	0.2296	H
4	20	16QAM	1	0	1745.00	-13.21	35.92	22.71	0.1866	H
4	20	16QAM	1	0	1720.00	-20.82	34.84	14.02	0.0252	V
4	20	16QAM	1	0	1732.50	-20.51	37.92	17.41	0.0551	V
4	20	16QAM	1	0	1745.00	-19.96	40.63	20.67	0.1167	V

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. The following guidelines are offered for performing a CCDF measurement.

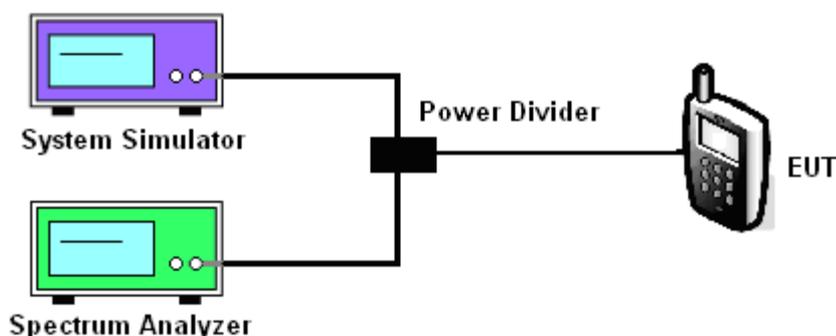
3.2.2 Measuring Instruments

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. The CCDF (Complementary Cumulative Distribution Function) of the middle channel for the highest RF powers were measured.

3.2.4 Test Setup



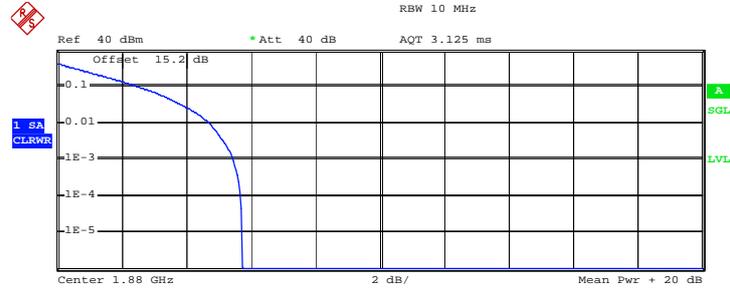
3.2.5 Test Result of Peak-to-Average Ratio

Band	Band Width	Channel	Frequency (MHz)	Modulation	PAR (dB)
LTE Band 2	1.4MHz	18900	1880	QPSK	5.48
				16-QAM	6.20
	3MHz	18900	1880	QPSK	5.48
				16-QAM	6.24
	5MHz	18900	1880	QPSK	5.56
				16-QAM	6.44
	10MHz	18900	1880	QPSK	5.60
				16-QAM	6.40
	15MHz	18900	1880	QPSK	5.76
				16-QAM	6.84
	20MHz	18900	1880	QPSK	6.36
				16-QAM	7.28
LTE Band 4	1.4MHz	20175	1732.5	QPSK	6.20
				16-QAM	6.92
	3MHz	20175	1732.5	QPSK	6.28
				16-QAM	6.88
	5MHz	20175	1732.5	QPSK	6.20
				16-QAM	6.84
	10MHz	20175	1732.5	QPSK	5.88
				16-QAM	6.72
	15MHz	20175	1732.5	QPSK	5.88
				16-QAM	7.00
	20MHz	20175	1732.5	QPSK	6.56
				16-QAM	7.20



Band:	LTE Band 2	Bandwidth:	1.4MHz
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Peak-to-Average Ratio for QPSK-RB Size 6, RB Offset 0



Complementary Cumulative Distribution Function (100000 samples)

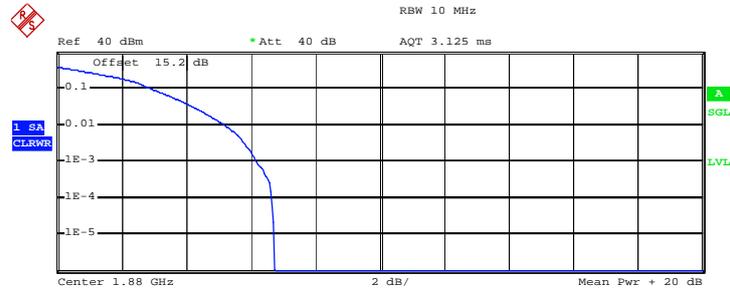
Trace 1

Mean 21.29 dBm
 Peak 27.02 dBm
 Crest 5.73 dB

10 % 2.60 dB
 1 % 4.72 dB
 .1 % 5.48 dB
 .01 % 5.68 dB

Date: 25.JUL.2012 22:22:56

Peak-to-Average Ratio for 16QAM-RB Size 6, RB Offset 0



Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean 20.43 dBm
 Peak 27.16 dBm
 Crest 6.73 dB

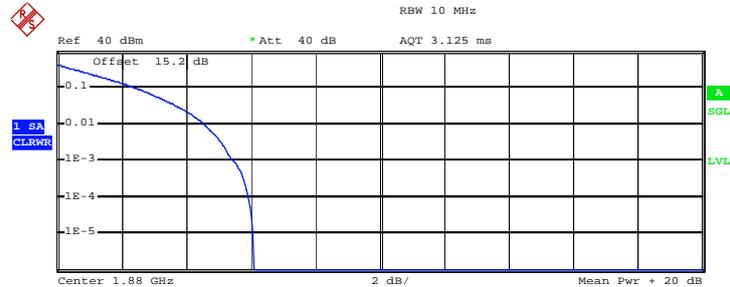
10 % 3.00 dB
 1 % 5.24 dB
 .1 % 6.20 dB
 .01 % 6.68 dB

Date: 25.JUL.2012 22:23:16



Band:	LTE Band 2	Bandwidth:	3MHz
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Peak-to-Average Ratio for QPSK-RB Size 15, RB Offset 0



Complementary Cumulative Distribution Function (100000 samples)

Trace 1
Mean 21.21 dBm
Peak 27.30 dBm
Crest 6.09 dB

10 %	2.52 dB
1 %	4.60 dB
.1 %	5.48 dB
.01 %	5.96 dB

Date: 25.JUL.2012 22:24:31

Peak-to-Average Ratio for 16QAM-RB Size 15, RB Offset 0



Complementary Cumulative Distribution Function (100000 samples)

Trace 1
Mean 20.31 dBm
Peak 27.16 dBm
Crest 6.85 dB

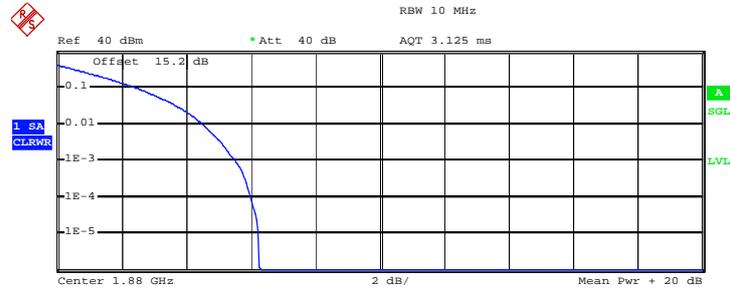
10 %	3.08 dB
1 %	5.28 dB
.1 %	6.24 dB
.01 %	6.68 dB

Date: 25.JUL.2012 22:24:01



Band:	LTE Band 2	Bandwidth:	5MHz
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Peak-to-Average Ratio for QPSK-RB Size 25, RB Offset 0



Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean 21.10 dBm
 Peak 27.37 dBm
 Crest 6.27 dB

10 % 2.56 dB
 1 % 4.52 dB
 .1 % 5.56 dB
 .01 % 6.00 dB

Date: 25.JUL.2012 22:24:58

Peak-to-Average Ratio for 16QAM-RB Size 25, RB Offset 0



Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean 19.98 dBm
 Peak 27.23 dBm
 Crest 7.25 dB

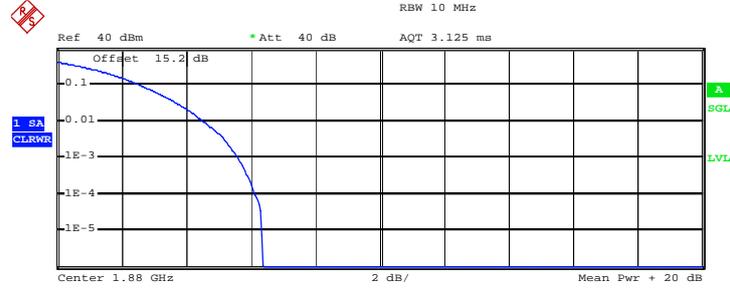
10 % 3.00 dB
 1 % 5.20 dB
 .1 % 6.44 dB
 .01 % 7.00 dB

Date: 25.JUL.2012 22:25:33



Band:	LTE Band 2	Bandwidth:	10MHz
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Peak-to-Average Ratio for QPSK-RB Size 50, RB Offset 0



Complementary Cumulative Distribution Function (100000 samples)

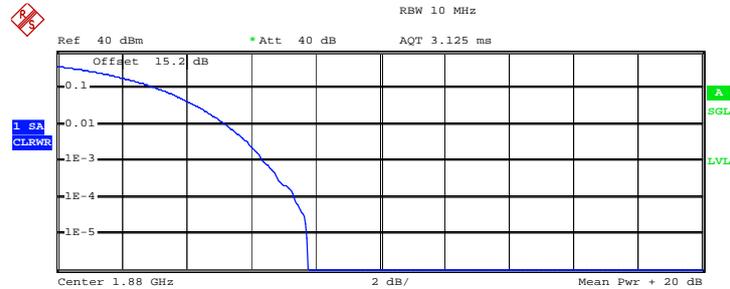
Trace 1

Mean 20.66 dBm
 Peak 27.02 dBm
 Crest 6.36 dB

10 % 2.64 dB
 1 % 4.56 dB
 .1 % 5.60 dB
 .01 % 6.16 dB

Date: 25.JUL.2012 22:26:18

Peak-to-Average Ratio for 16QAM-RB Size 50, RB Offset 0



Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean 19.67 dBm
 Peak 27.44 dBm
 Crest 7.77 dB

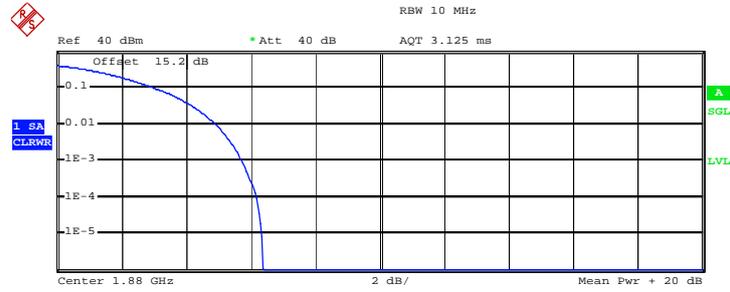
10 % 3.16 dB
 1 % 5.24 dB
 .1 % 6.40 dB
 .01 % 7.36 dB

Date: 25.JUL.2012 22:26:00



Band:	LTE Band 2	Bandwidth:	15MHz
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Peak-to-Average Ratio for QPSK-RB Size 75, RB Offset 0



Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean 19.37 dBm
 Peak 25.75 dBm
 Crest 6.38 dB

10 % 3.08 dB
 1 % 4.92 dB
 .1 % 5.76 dB
 .01 % 6.20 dB

Date: 25.JUL.2012 22:26:53

Peak-to-Average Ratio for 16QAM-RB Size 75, RB Offset 0



Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean 18.41 dBm
 Peak 26.39 dBm
 Crest 7.98 dB

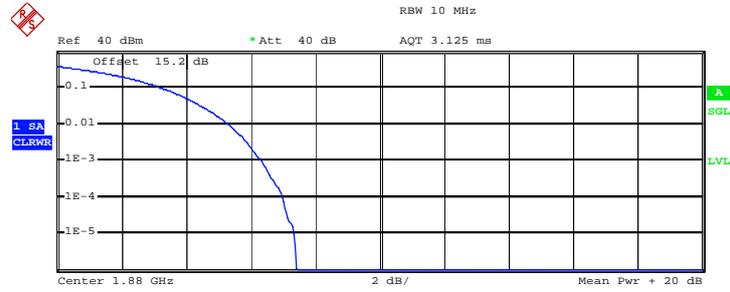
10 % 3.36 dB
 1 % 5.60 dB
 .1 % 6.84 dB
 .01 % 7.56 dB

Date: 25.JUL.2012 22:27:19



Band:	LTE Band 2	Bandwidth:	20MHz
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Peak-to-Average Ratio for QPSK-RB Size 100, RB Offset 0



Complementary Cumulative Distribution Function (100000 samples)

Trace 1
 Mean 18.26 dBm
 Peak 25.68 dBm
 Crest 7.42 dB

10 % 3.32 dB
 1 % 5.32 dB
 .1 % 6.36 dB
 .01 % 7.00 dB

Date: 25.JUL.2012 22:28:47

Peak-to-Average Ratio for 16QAM-RB Size 100, RB Offset 0



Complementary Cumulative Distribution Function (100000 samples)

Trace 1
 Mean 17.16 dBm
 Peak 25.68 dBm
 Crest 8.52 dB

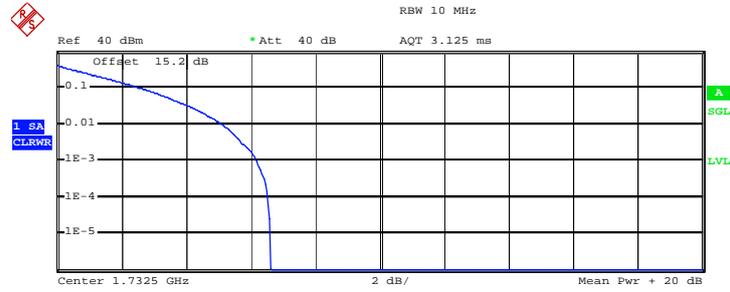
10 % 3.60 dB
 1 % 6.04 dB
 .1 % 7.28 dB
 .01 % 8.12 dB

Date: 25.JUL.2012 22:28:22



Band:	LTE Band 4	Bandwidth:	1.4MHz
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Peak-to-Average Ratio for QPSK-RB Size 6, RB Offset 0



Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean 20.76 dBm
 Peak 27.37 dBm
 Crest 6.62 dB

10 % 2.68 dB
 1 % 5.12 dB
 .1 % 6.20 dB
 .01 % 6.56 dB

Date: 25.JUL.2012 23:07:01

Peak-to-Average Ratio for 16QAM-RB Size 6, RB Offset 0



Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean 19.77 dBm
 Peak 27.66 dBm
 Crest 7.88 dB

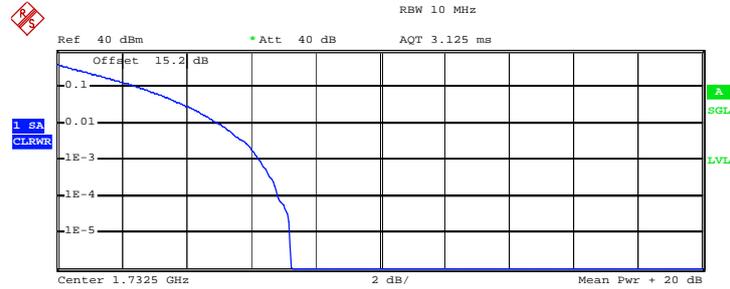
10 % 3.08 dB
 1 % 5.64 dB
 .1 % 6.92 dB
 .01 % 7.68 dB

Date: 25.JUL.2012 23:07:16



Band:	LTE Band 4	Bandwidth:	3MHz
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Peak-to-Average Ratio for QPSK-RB Size 15, RB Offset 0



Complementary Cumulative Distribution Function (100000 samples)

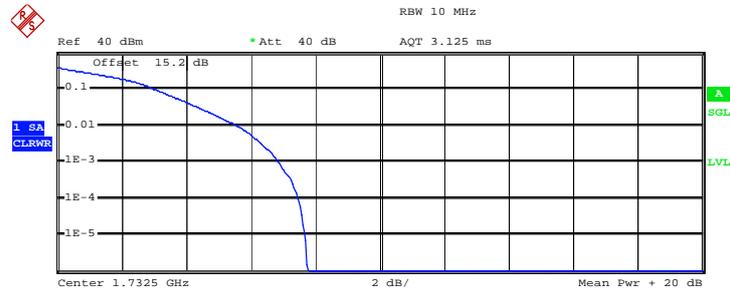
Trace 1

Mean 20.63 dBm
 Peak 27.87 dBm
 Crest 7.24 dB

10 % 2.60 dB
 1 % 5.04 dB
 .1 % 6.28 dB
 .01 % 6.88 dB

Date: 25.JUL.2012 23:08:33

Peak-to-Average Ratio for 16QAM-RB Size 15, RB Offset 0



Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean 19.83 dBm
 Peak 27.58 dBm
 Crest 7.76 dB

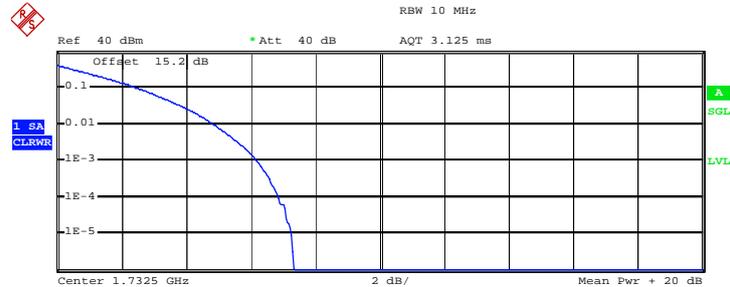
10 % 3.08 dB
 1 % 5.64 dB
 .1 % 6.88 dB
 .01 % 7.48 dB

Date: 25.JUL.2012 23:08:13



Band:	LTE Band 4	Bandwidth:	5MHz
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Peak-to-Average Ratio for QPSK-RB Size 25, RB Offset 0



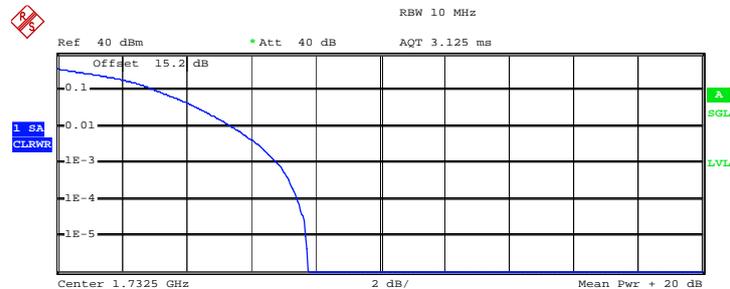
Center 1.7325 GHz 2 dB/ Mean Pwr + 20 dB

Complementary Cumulative Distribution Function (100000 samples)
 Trace 1
 Mean 20.54 dBm
 Peak 27.87 dBm
 Crest 7.33 dB

10 %	2.56 dB
1 %	4.88 dB
.1 %	6.20 dB
.01 %	6.88 dB

Date: 25.JUL.2012 23:09:08

Peak-to-Average Ratio for 16QAM-RB Size 25, RB Offset 0



Center 1.7325 GHz 2 dB/ Mean Pwr + 20 dB

Complementary Cumulative Distribution Function (100000 samples)
 Trace 1
 Mean 19.60 dBm
 Peak 27.37 dBm
 Crest 7.78 dB

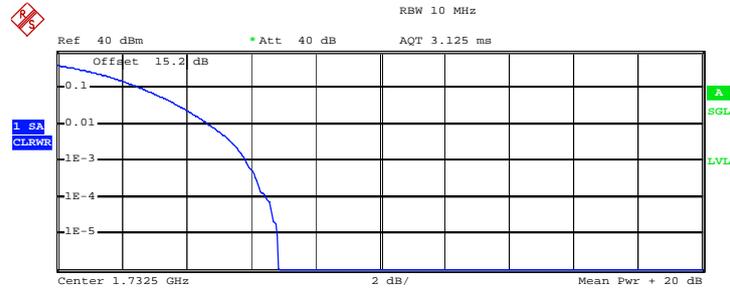
10 %	3.12 dB
1 %	5.44 dB
.1 %	6.84 dB
.01 %	7.48 dB

Date: 25.JUL.2012 23:09:38



Band:	LTE Band 4	Bandwidth:	10MHz
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Peak-to-Average Ratio for QPSK-RB Size 50, RB Offset 0



Center 1.7325 GHz 2 dB/ Mean Pwr + 20 dB

Complementary Cumulative Distribution Function (100000 samples)
Trace 1

Mean 20.23 dBm
 Peak 27.09 dBm
 Crest 6.86 dB

10 % 2.64 dB
 1 % 4.72 dB
 .1 % 5.88 dB
 .01 % 6.48 dB

Date: 25.JUL.2012 23:10:33

Peak-to-Average Ratio for 16QAM-RB Size 50, RB Offset 0



Center 1.7325 GHz 2 dB/ Mean Pwr + 20 dB

Complementary Cumulative Distribution Function (100000 samples)
Trace 1

Mean 19.23 dBm
 Peak 27.23 dBm
 Crest 8.00 dB

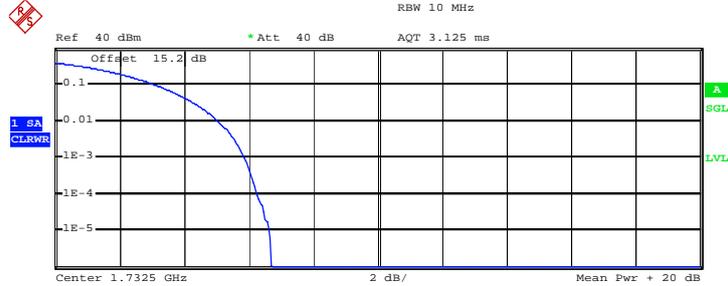
10 % 3.16 dB
 1 % 5.36 dB
 .1 % 6.72 dB
 .01 % 7.48 dB

Date: 25.JUL.2012 23:10:15



Band:	LTE Band 4	Bandwidth:	15MHz
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Peak-to-Average Ratio for QPSK-RB Size 75, RB Offset 0



Complementary Cumulative Distribution Function (100000 samples)

Trace 1
 Mean 18.90 dBm
 Peak 25.61 dBm
 Crest 6.71 dB

10 % 3.20 dB
 1 % 5.08 dB
 .1 % 5.88 dB
 .01 % 6.28 dB

Date: 25.JUL.2012 23:11:06

Peak-to-Average Ratio for 16QAM-RB Size 75, RB Offset 0



Complementary Cumulative Distribution Function (100000 samples)

Trace 1
 Mean 18.03 dBm
 Peak 26.31 dBm
 Crest 8.28 dB

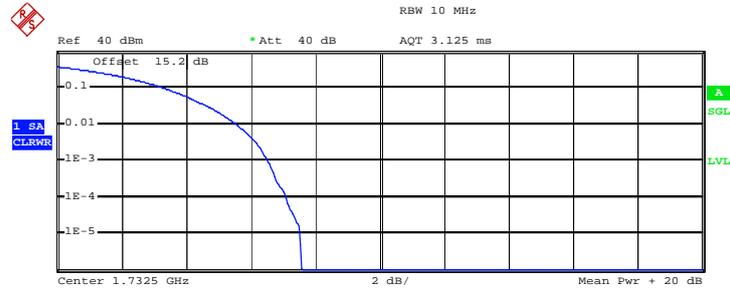
10 % 3.44 dB
 1 % 5.64 dB
 .1 % 7.00 dB
 .01 % 7.72 dB

Date: 25.JUL.2012 23:11:42



Band:	LTE Band 4	Bandwidth:	20MHz
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Peak-to-Average Ratio for QPSK-RB Size 100, RB Offset 0



Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean 17.69 dBm
 Peak 25.26 dBm
 Crest 7.56 dB

10 % 3.40 dB
 1 % 5.60 dB
 .1 % 6.56 dB
 .01 % 7.12 dB

Date: 25.JUL.2012 23:12:22

Peak-to-Average Ratio for 16QAM-RB Size 100, RB Offset 0



Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean 16.75 dBm
 Peak 25.54 dBm
 Crest 8.79 dB

10 % 3.56 dB
 1 % 6.04 dB
 .1 % 7.20 dB
 .01 % 8.20 dB

Date: 25.JUL.2012 23:12:05

3.3 Emission Bandwidth

3.3.1 Description of Emission 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 emission bandwidth is defined as the width of the signal between two points, located at the 2 sides of the carrier frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

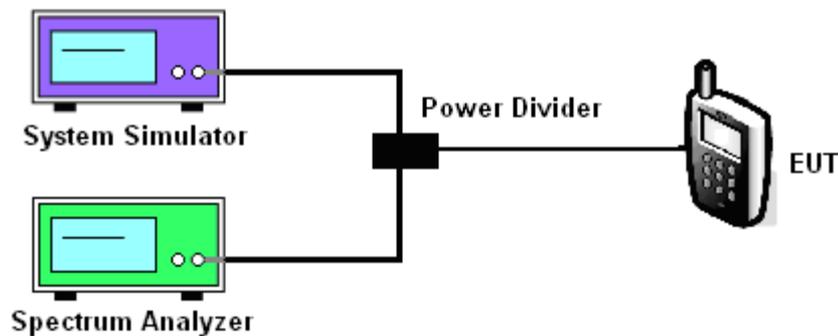
3.3.2 Measuring Instruments

See list of measuring instruments of this test report.

3.3.3 Test Procedures

1. The EUT was connected to Spectrum Analyzer and System Simulator via power divider.
2. The 99% occupied bandwidth and 26 dB bandwidth of the middle channel for the highest RF powers were measured.

3.3.4 Test Setup





3.3.6 Test Result of 99% Occupied Bandwidth and 26dB Bandwidth

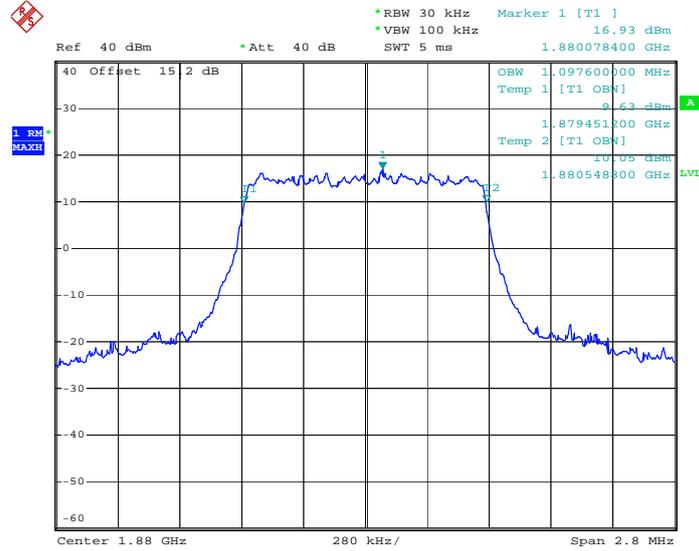
Band	Band Width	Channel	Frequency (MHz)	Modulation	99%Bandwidth (MHz)	26dB Bandwidth (MHz)
LTE Band 2	1.4MHz	18900	1880	QPSK	1.10	1.32
				16-QAM	1.10	1.32
	3MHz	18900	1880	QPSK	2.74	3.12
				16-QAM	2.74	3.16
	5MHz	18900	1880	QPSK	4.50	5.16
				16-QAM	4.52	5.06
	10MHz	18900	1880	QPSK	9.16	10.24
				16-QAM	9.12	10.28
	15MHz	18900	1880	QPSK	13.50	15.06
				16-QAM	13.56	15.24
	20MHz	18900	1880	QPSK	18.00	19.68
				16-QAM	18.00	19.76
LTE Band 4	1.4MHz	20175	1732.5	QPSK	1.10	1.31
				16-QAM	1.10	1.31
	3MHz	20175	1732.5	QPSK	2.74	3.12
				16-QAM	2.74	3.14
	5MHz	20175	1732.5	QPSK	4.52	5.14
				16-QAM	4.50	5.08
	10MHz	20175	1732.5	QPSK	9.16	10.32
				16-QAM	9.12	10.40
	15MHz	20175	1732.5	QPSK	13.56	15.12
				16-QAM	13.56	15.12
	20MHz	20175	1732.5	QPSK	18.00	19.68
				16-QAM	18.00	19.76



3.3.7 Test Result (Plots) of 99% Occupied Bandwidth and 26dB Bandwidth

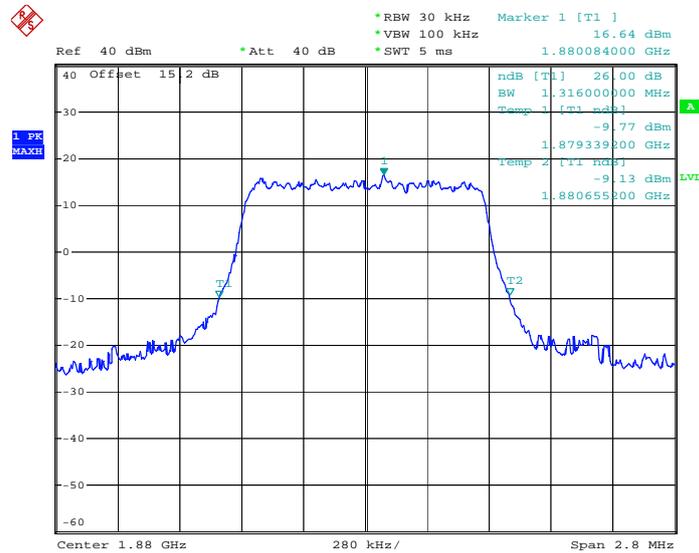
Band :	LTE Band 2	BW / Mod. :	1.4MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 18900



Date: 28.JUL.2012 04:17:29

26dB Bandwidth Plot on Channel 18900

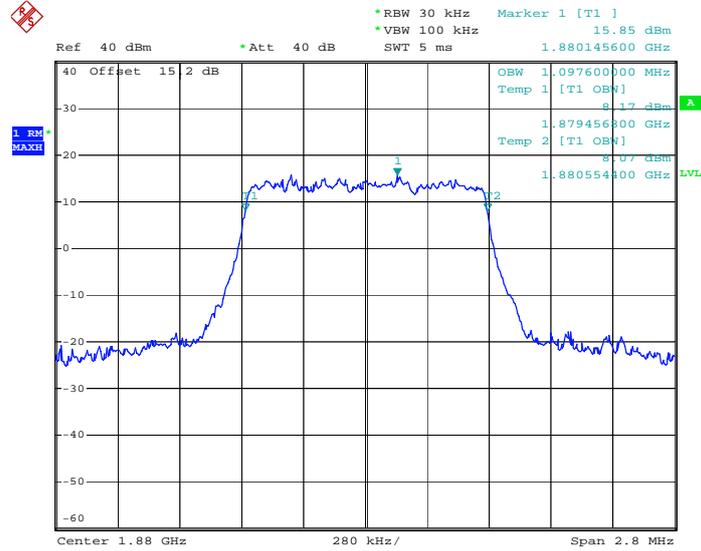


Date: 25.JUL.2012 22:19:53



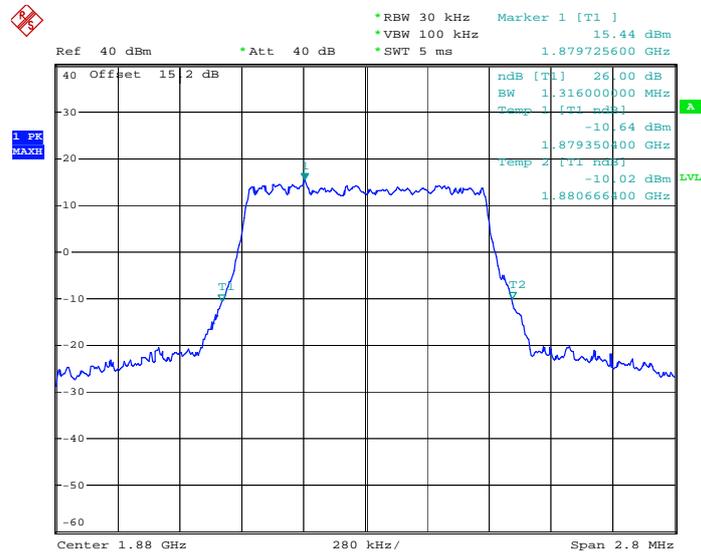
Band :	LTE Band 2	BW / Mod. :	1.4MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 18900



Date: 28.JUL.2012 04:17:59

26dB Bandwidth Plot on Channel 18900

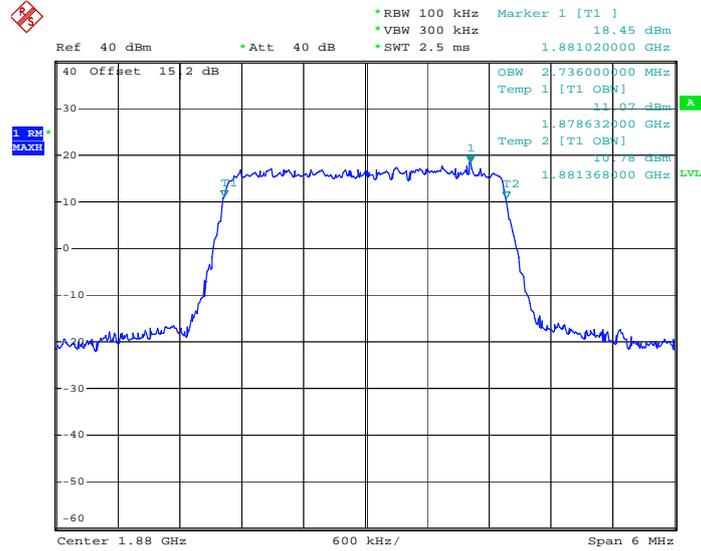


Date: 25.JUL.2012 22:19:31



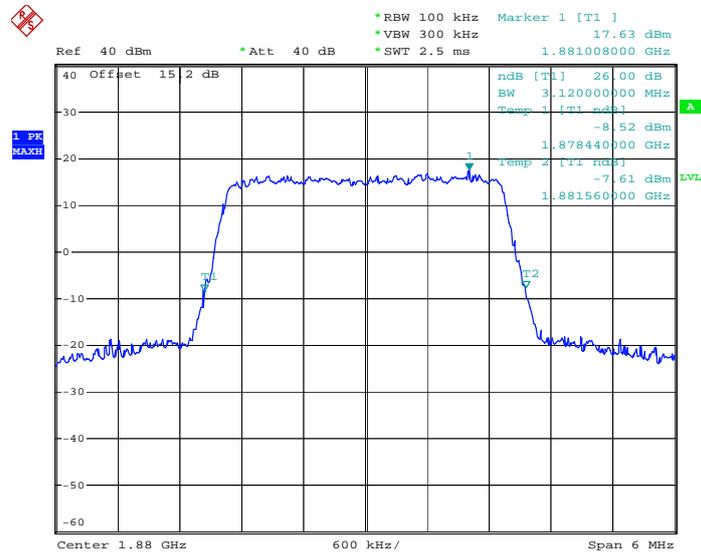
Band :	LTE Band 2	BW / Mod. :	3MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 18900



Date: 28.JUL.2012 04:58:16

26dB Bandwidth Plot on Channel 18900

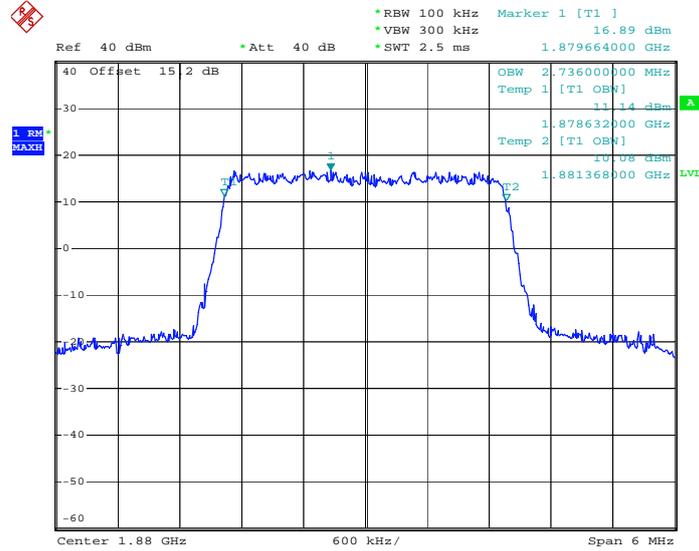


Date: 25.JUL.2012 22:17:43



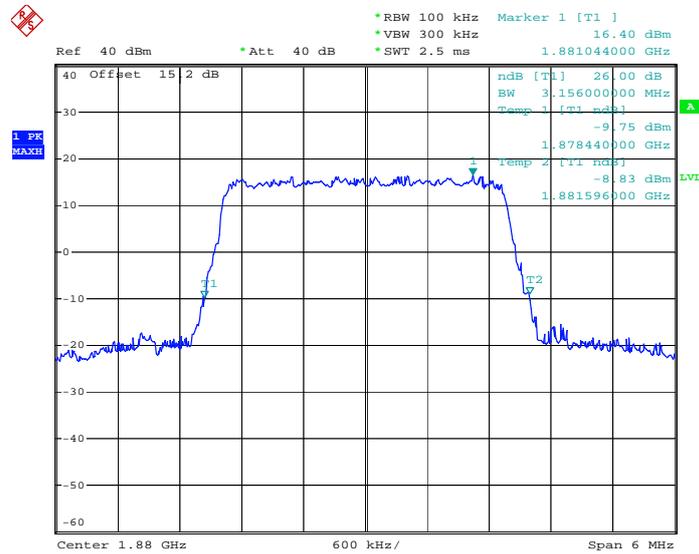
Band :	LTE Band 2	BW / Mod. :	3MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 18900



Date: 28.JUL.2012 04:57:16

26dB Bandwidth Plot on Channel 18900

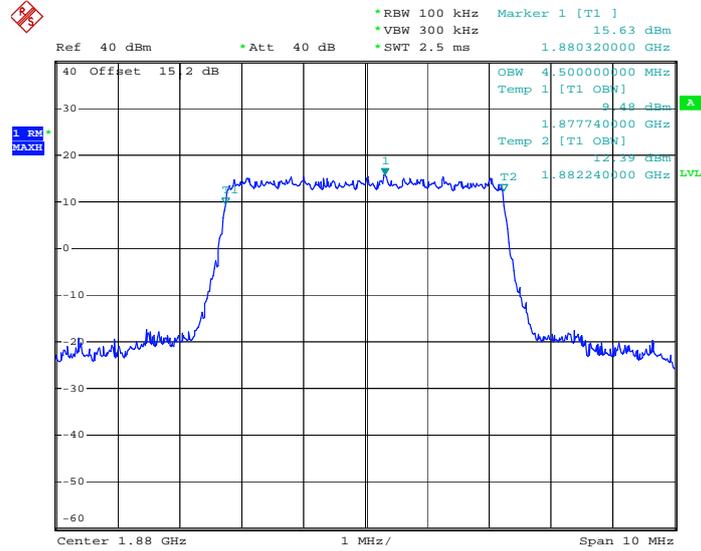


Date: 25.JUL.2012 22:18:38



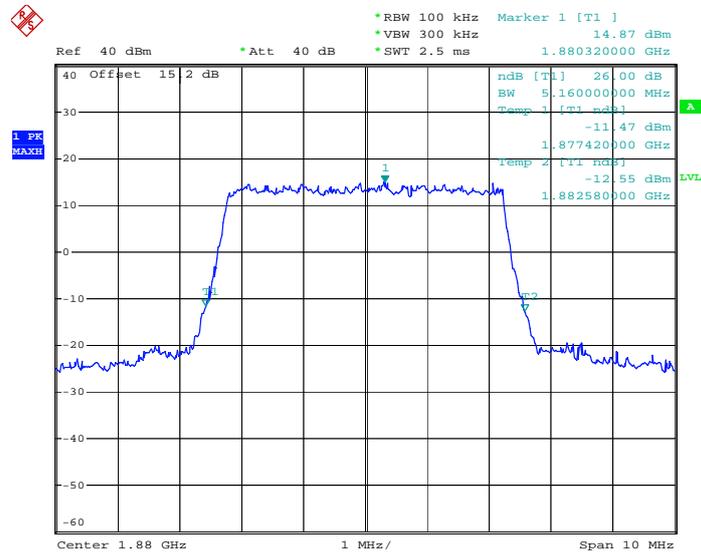
Band :	LTE Band 2	BW / Mod. :	5MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 18900



Date: 28.JUL.2012 05:05:07

26dB Bandwidth Plot on Channel 18900

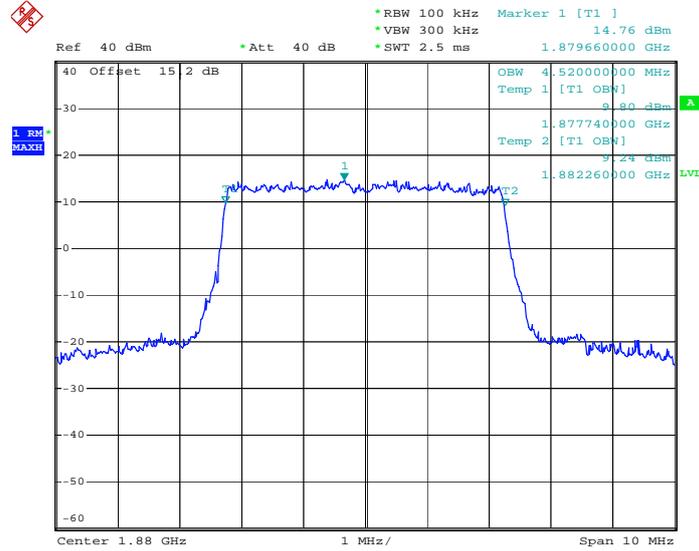


Date: 25.JUL.2012 22:15:44



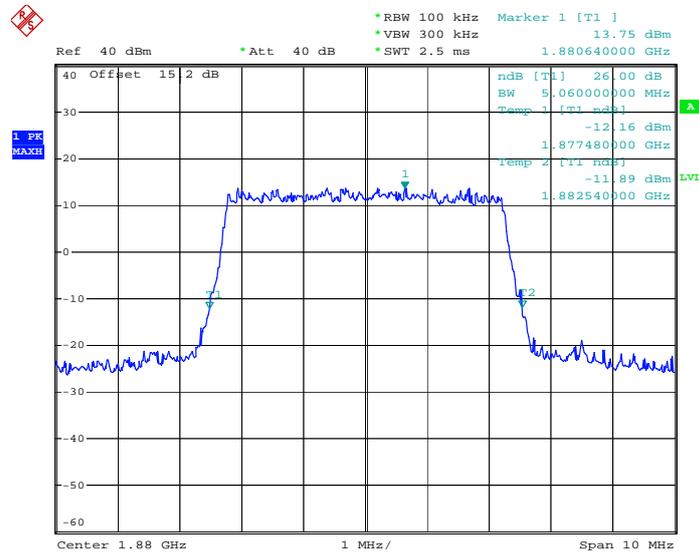
Band :	LTE Band 2	BW / Mod. :	5MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 18900



Date: 28.JUL.2012 05:04:29

26dB Bandwidth Plot on Channel 18900

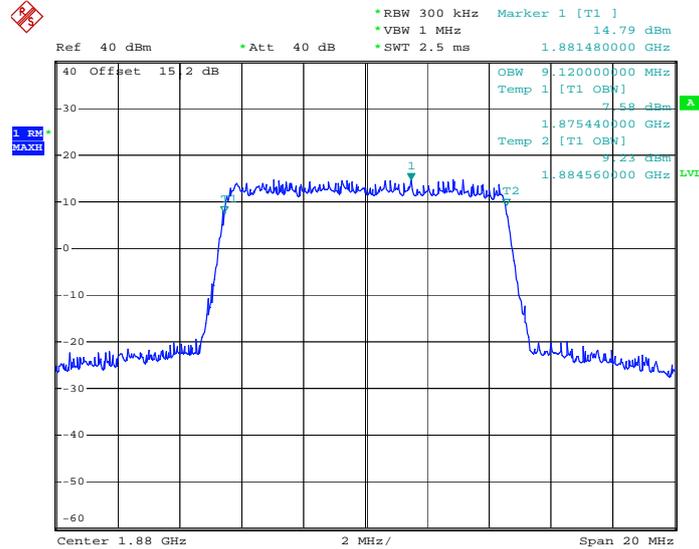


Date: 25.JUL.2012 22:11:02



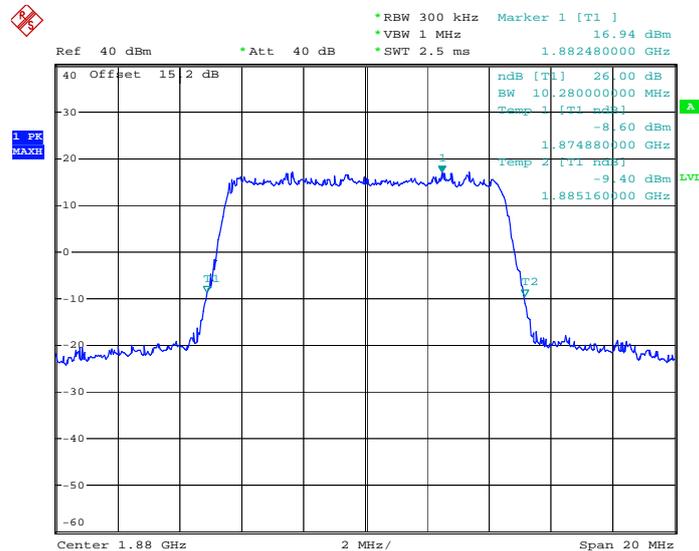
Band :	LTE Band 2	BW / Mod. :	10MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 18900



Date: 28.JUL.2012 04:34:47

26dB Bandwidth Plot on Channel 18900

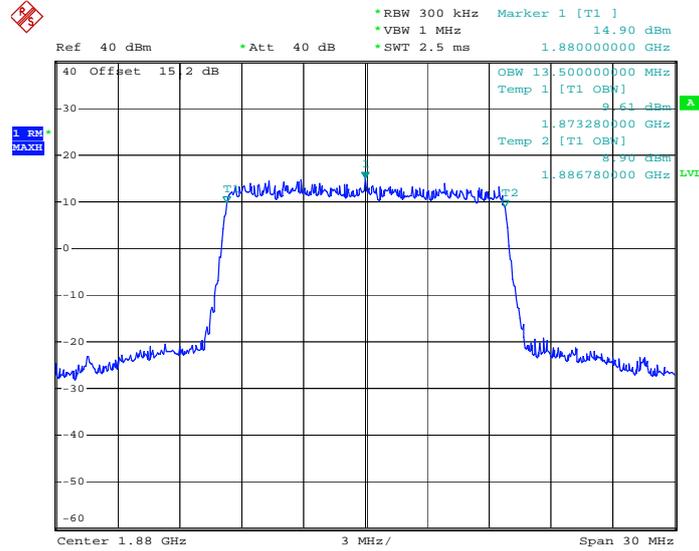


Date: 25.JUL.2012 21:56:37



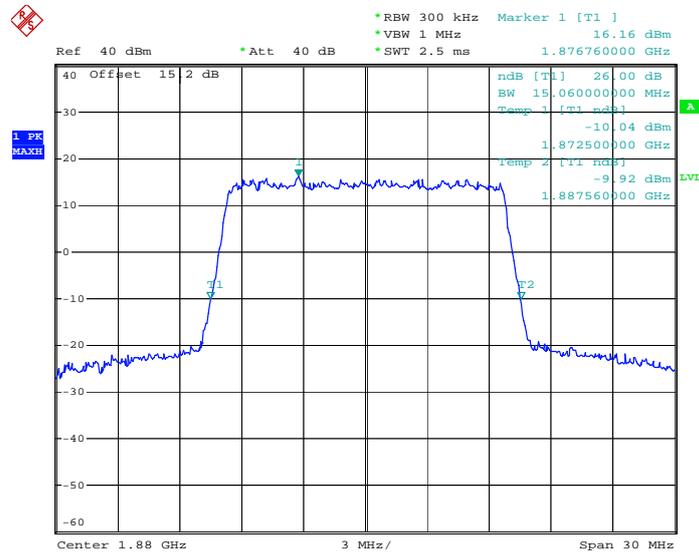
Band :	LTE Band 2	BW / Mod. :	15MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 18900



Date: 28.JUL.2012 04:41:03

26dB Bandwidth Plot on Channel 18900

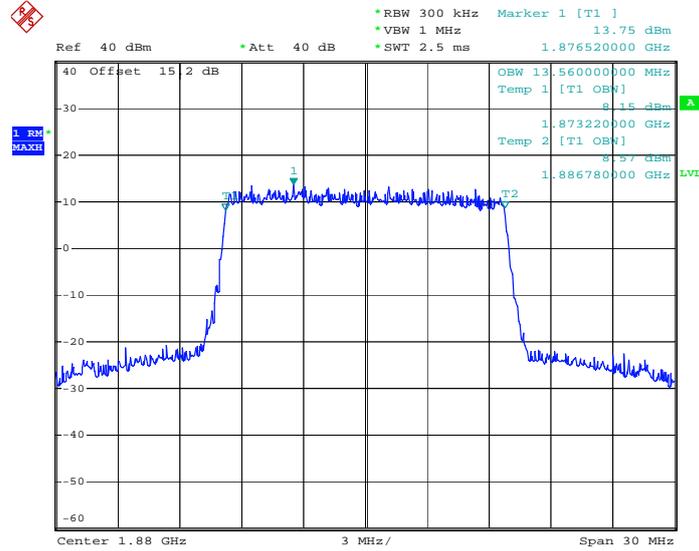


Date: 25.JUL.2012 21:46:07



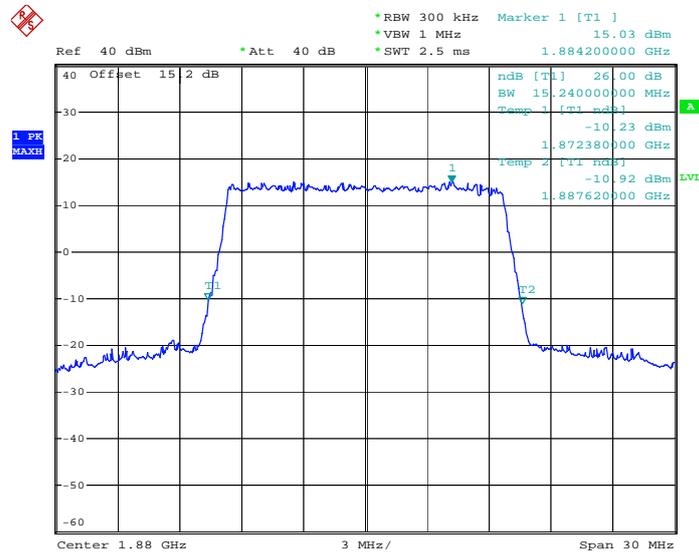
Band :	LTE Band 2	BW / Mod. :	15MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 18900



Date: 28.JUL.2012 04:40:40

26dB Bandwidth Plot on Channel 18900

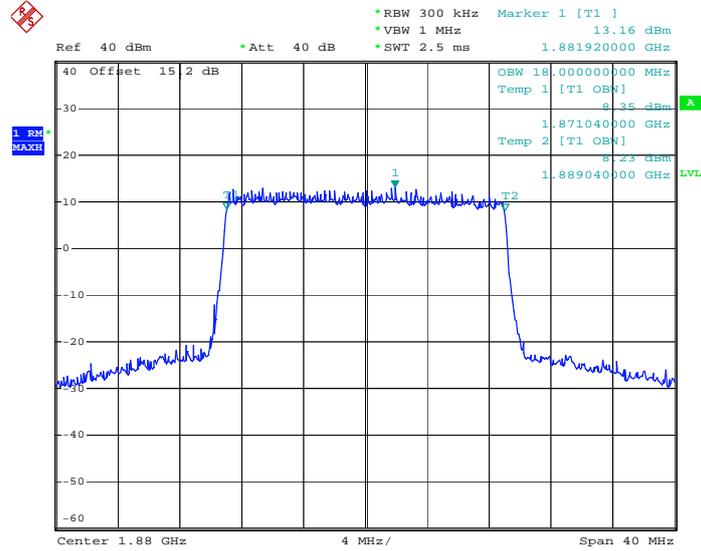


Date: 25.JUL.2012 21:45:28



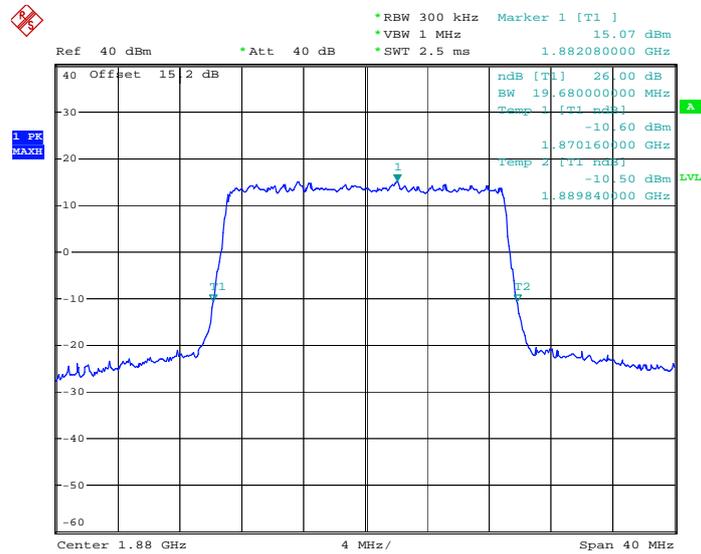
Band :	LTE Band 2	BW / Mod. :	20MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 18900



Date: 28.JUL.2012 04:47:47

26dB Bandwidth Plot on Channel 18900

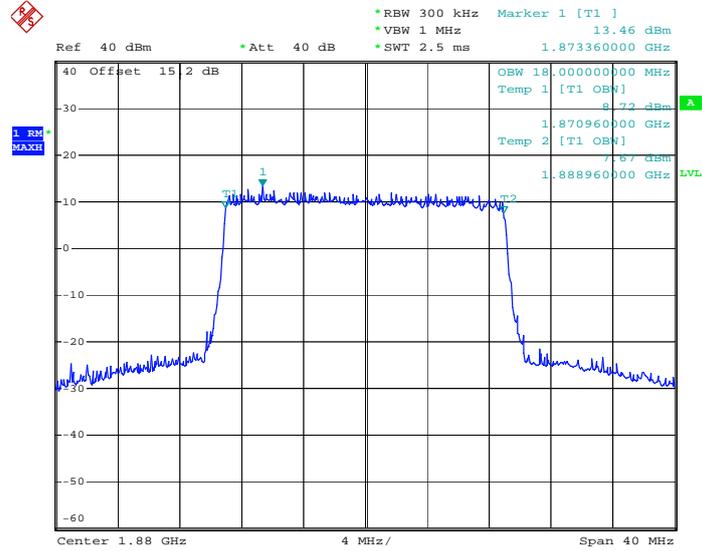


Date: 25.JUL.2012 21:25:16



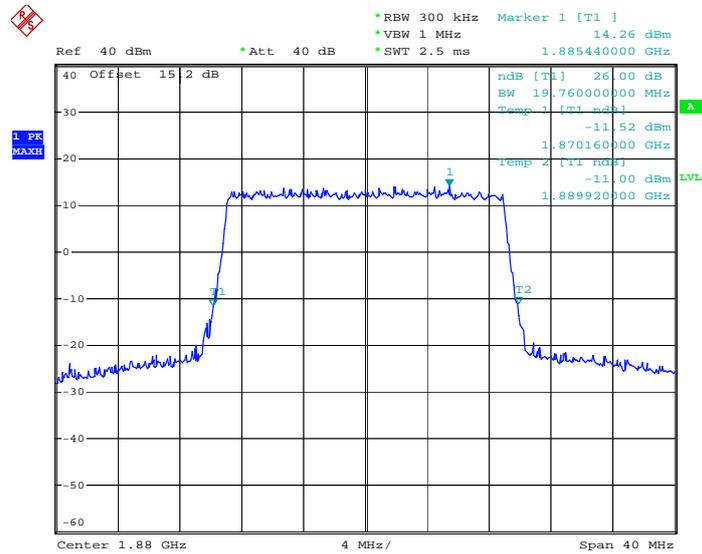
Band :	LTE Band 2	BW / Mod. :	20MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 18900



Date: 28.JUL.2012 04:47:00

26dB Bandwidth Plot on Channel 18900

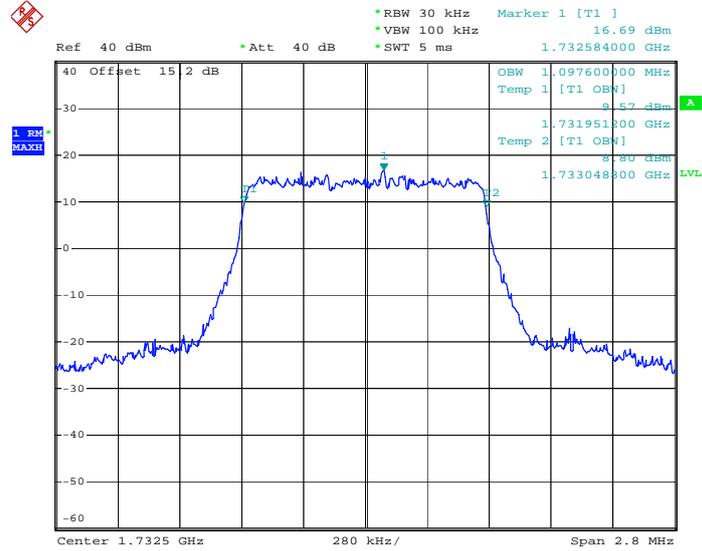


Date: 25.JUL.2012 21:26:42



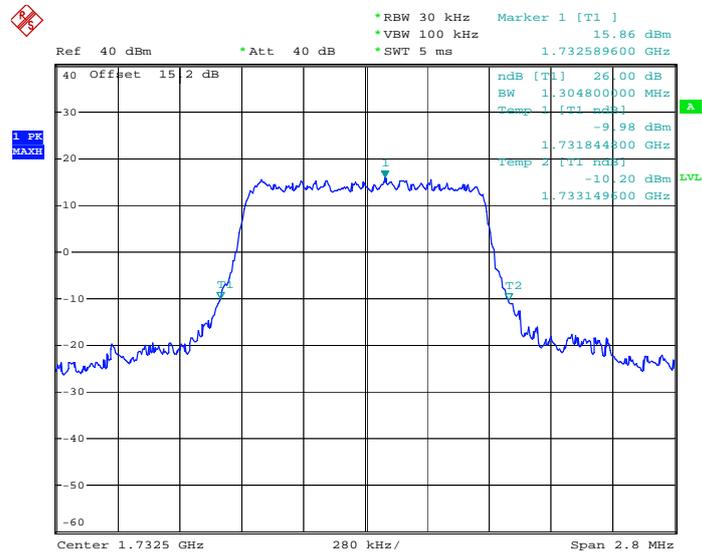
Band :	LTE Band 4	BW / Mod. :	1.4MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 20175



Date: 28.JUL.2012 05:16:50

26dB Bandwidth Plot on Channel 20175

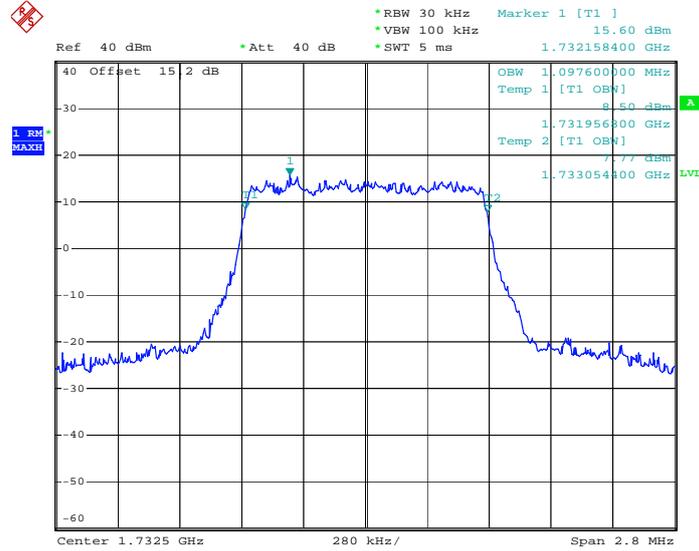


Date: 25.JUL.2012 22:42:32



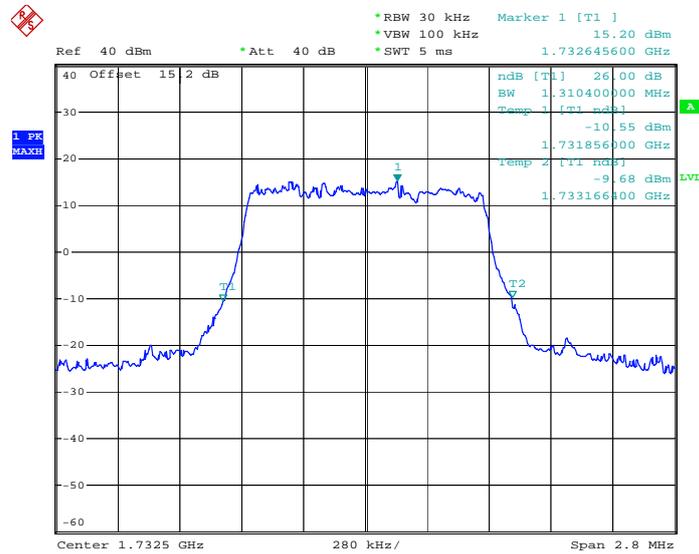
Band :	LTE Band 4	BW / Mod. :	1.4MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 20175



Date: 28.JUL.2012 05:16:27

26dB Bandwidth Plot on Channel 20175

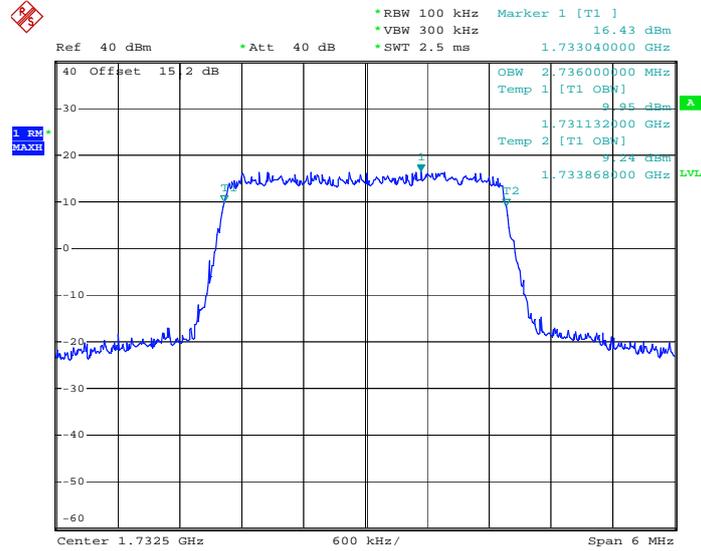


Date: 25.JUL.2012 22:51:36



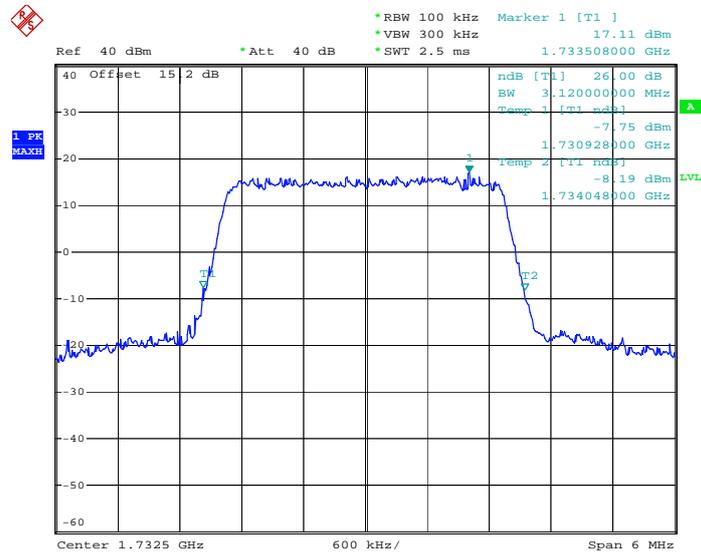
Band :	LTE Band 4	BW / Mod. :	3MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 20175



Date: 28.JUL.2012 05:25:37

26dB Bandwidth Plot on Channel 20175

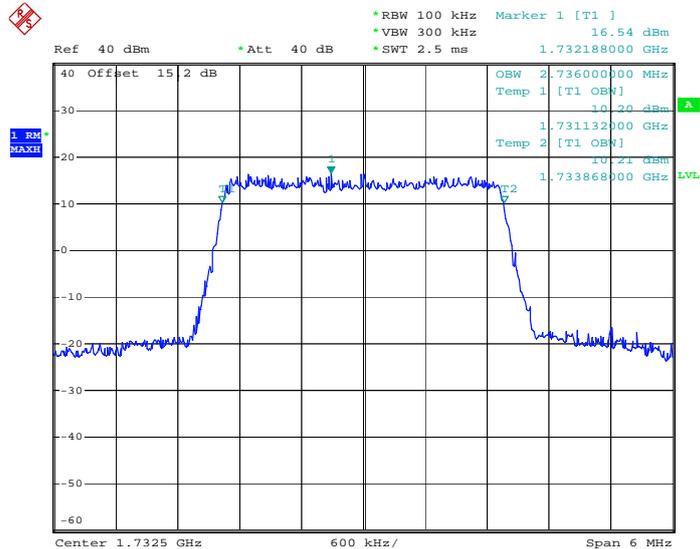


Date: 25.JUL.2012 22:54:28



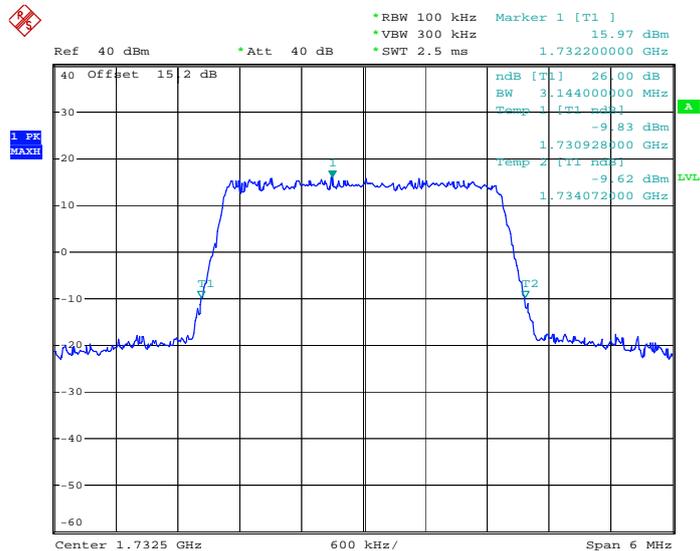
Band :	LTE Band 4	BW / Mod. :	3MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 20175



Date: 28.JUL.2012 05:25:22

26dB Bandwidth Plot on Channel 20175

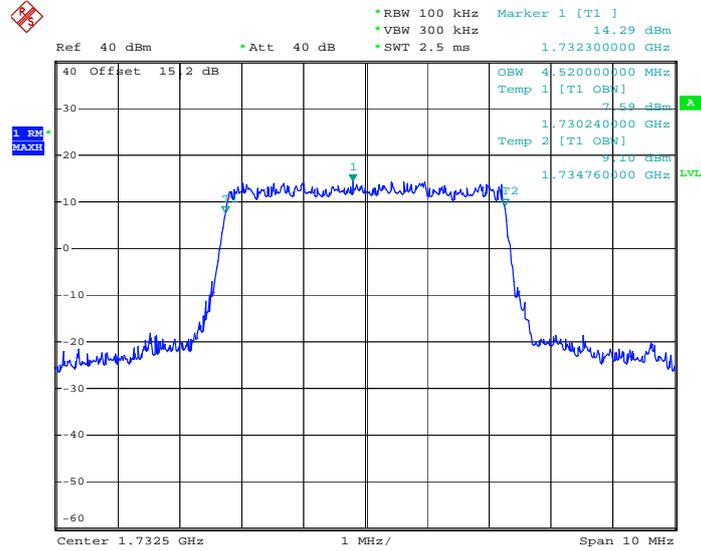


Date: 25.JUL.2012 22:53:59



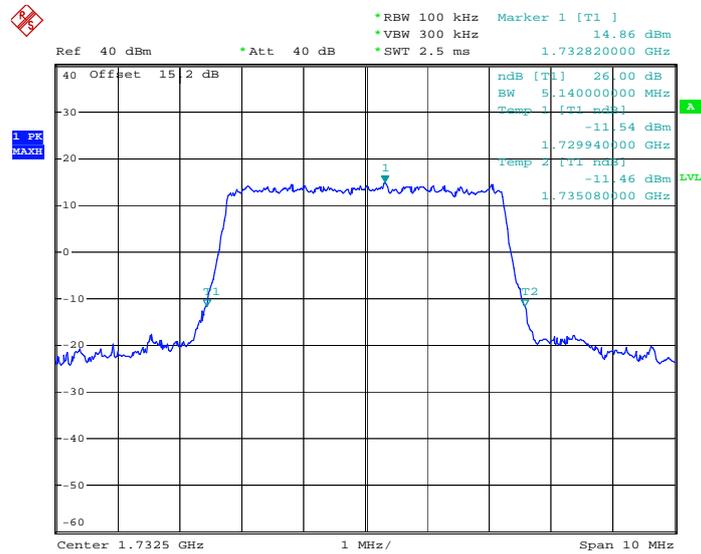
Band :	LTE Band 4	BW / Mod. :	5MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 20175



Date: 28.JUL.2012 05:29:19

26dB Bandwidth Plot on Channel 20175

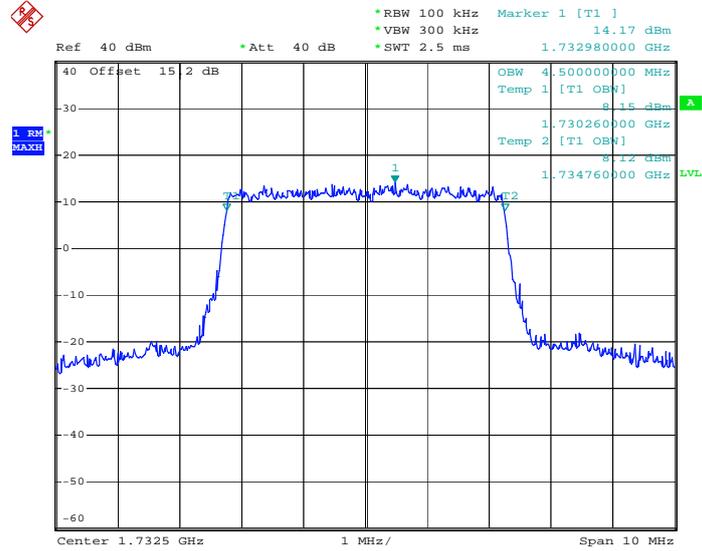


Date: 25.JUL.2012 22:55:48



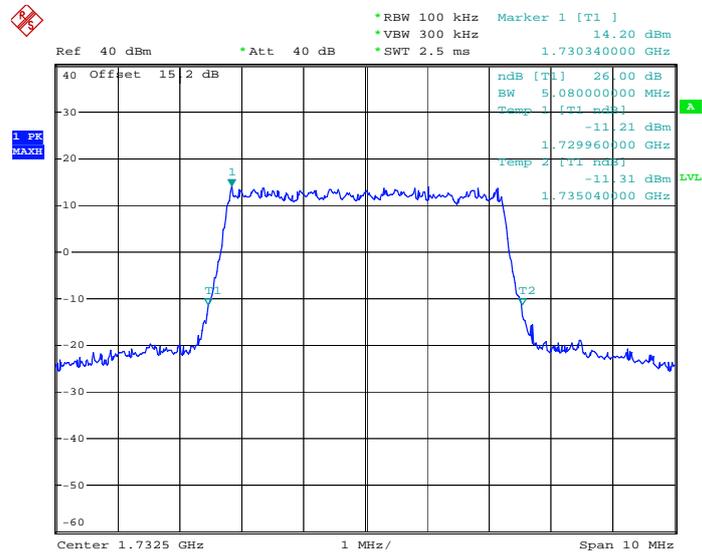
Band :	LTE Band 4	BW / Mod. :	5MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 20175



Date: 28.JUL.2012 05:29:04

26dB Bandwidth Plot on Channel 20175

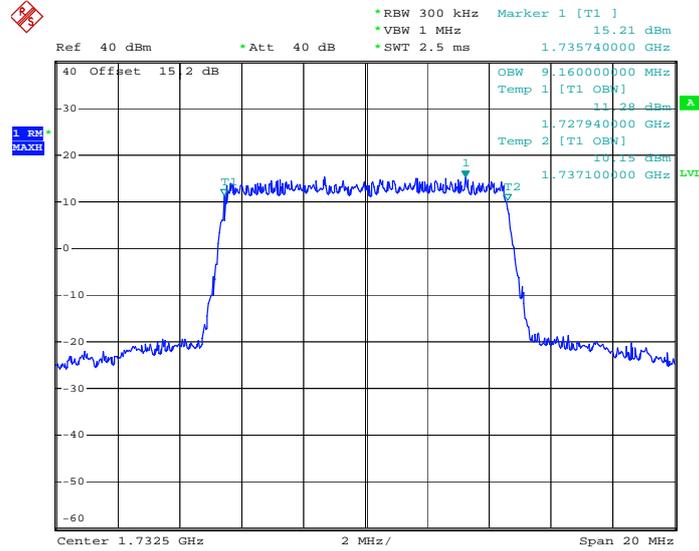


Date: 25.JUL.2012 22:56:14



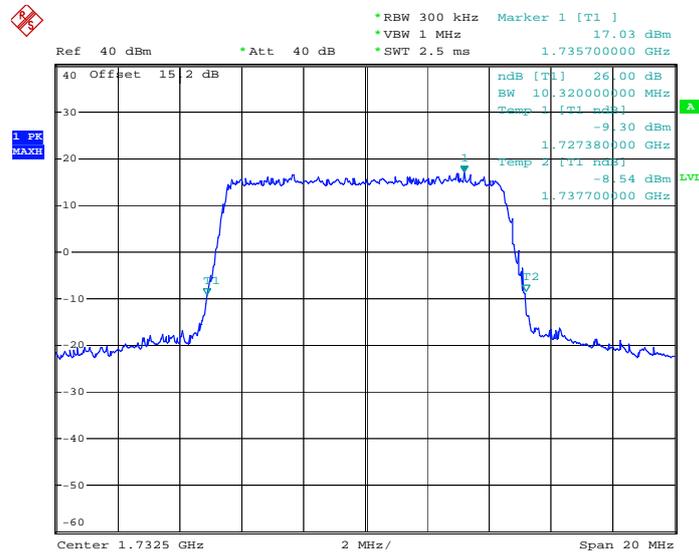
Band :	LTE Band 4	BW / Mod. :	10MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 20175



Date: 28.JUL.2012 05:33:34

26dB Bandwidth Plot on Channel 20175

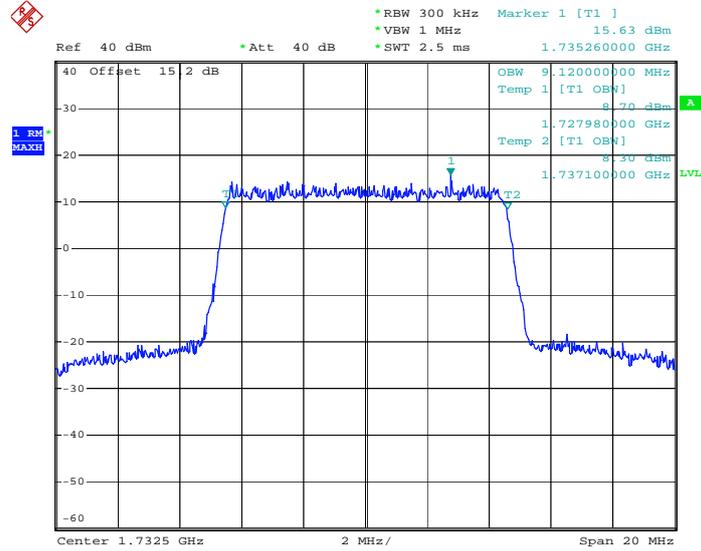


Date: 25.JUL.2012 22:59:25



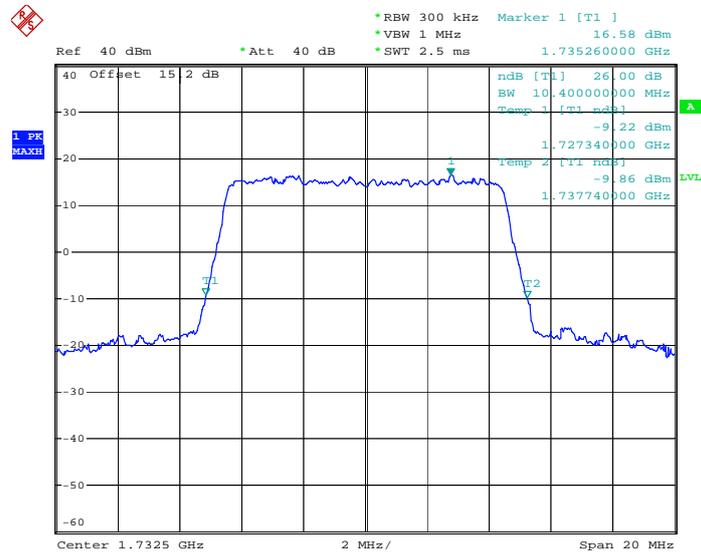
Band :	LTE Band 4	BW / Mod. :	10MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 20175



Date: 28.JUL.2012 05:33:12

26dB Bandwidth Plot on Channel 20175

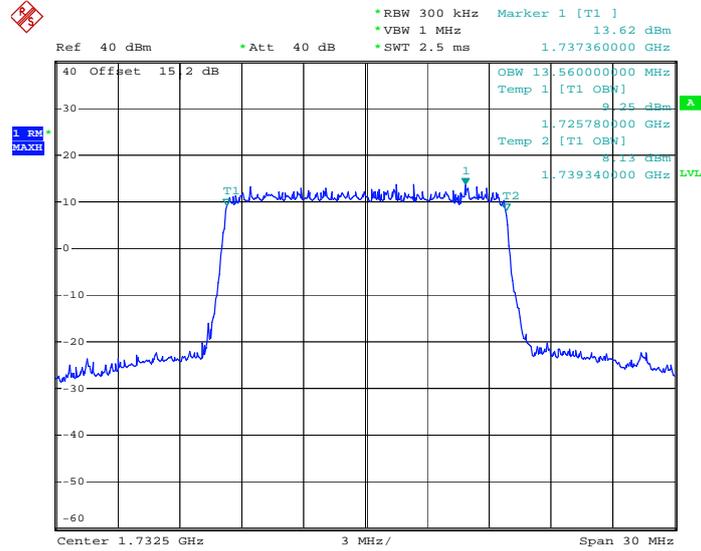


Date: 25.JUL.2012 22:59:04



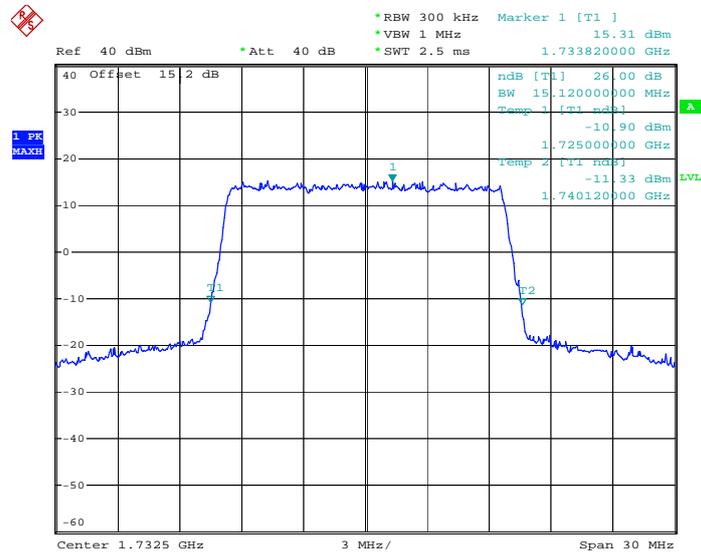
Band :	LTE Band 4	BW / Mod. :	15MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 20175



Date: 28.JUL.2012 05:40:11

26dB Bandwidth Plot on Channel 20175

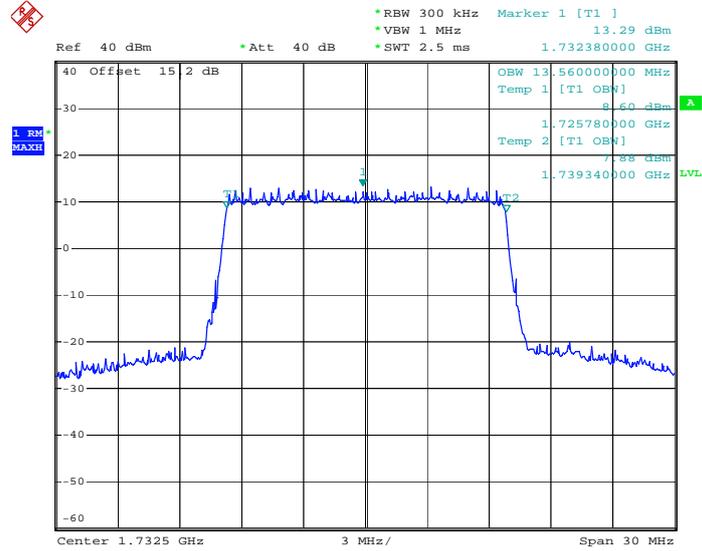


Date: 25.JUL.2012 23:00:55



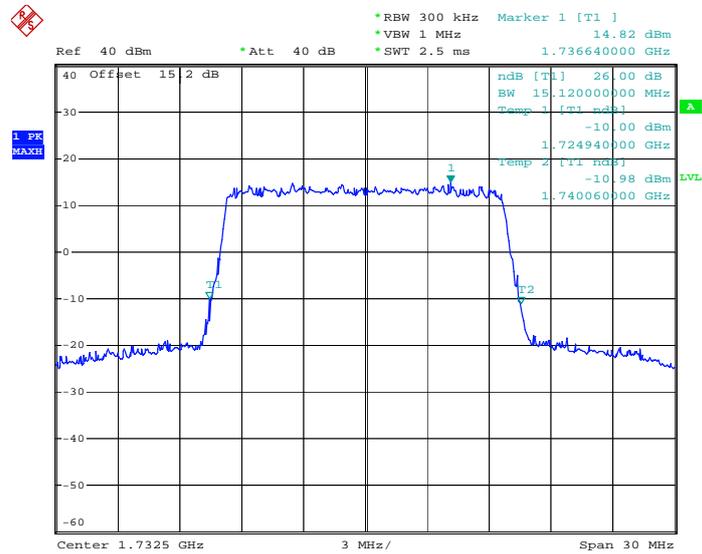
Band :	LTE Band 4	BW / Mod. :	15MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 20175



Date: 28.JUL.2012 05:39:54

26dB Bandwidth Plot on Channel 20175

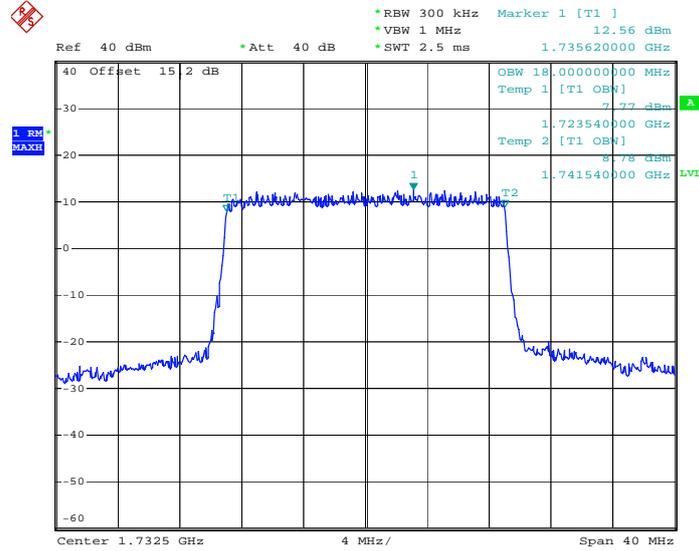


Date: 25.JUL.2012 23:01:22



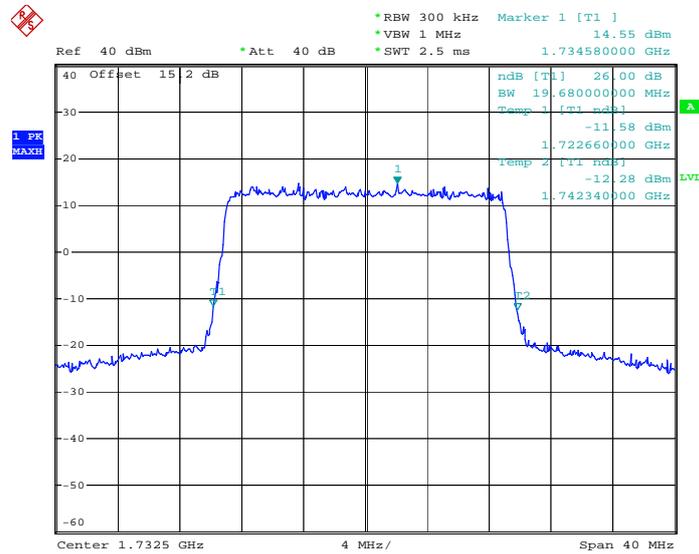
Band :	LTE Band 4	BW / Mod. :	20MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 20175



Date: 28.JUL.2012 05:45:17

26dB Bandwidth Plot on Channel 20175

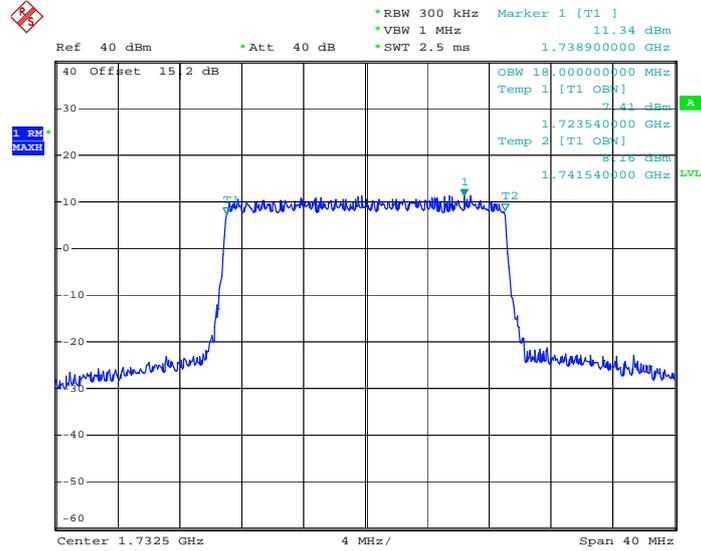


Date: 25.JUL.2012 23:02:21



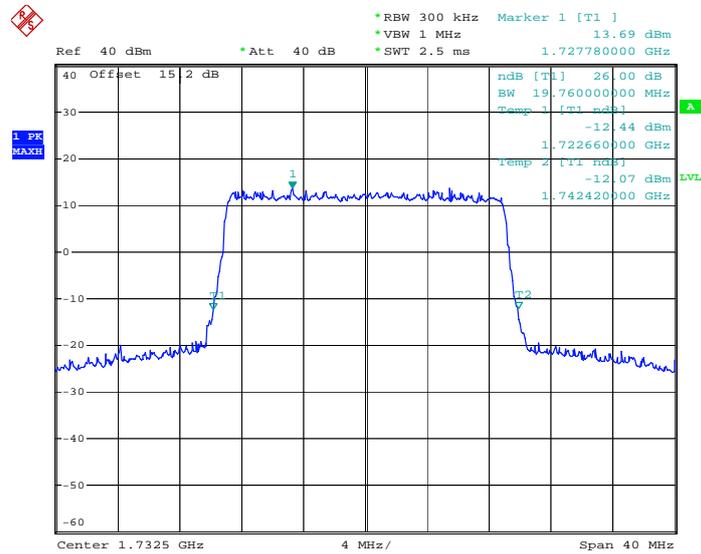
Band :	LTE Band 4	BW / Mod. :	20MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 20175



Date: 28.JUL.2012 05:44:39

26dB Bandwidth Plot on Channel 20175



Date: 25.JUL.2012 23:01:58

3.4 Conducted Band Edge and Spurious Emission Measurement

3.4.1 Limit

For operations in band 2 and band 4, the FCC limit is
 $43 + 10\log_{10}(P[\text{Watts}]) \text{ dB} = -13 \text{ dBm}$ in a 1 MHz bandwidth.

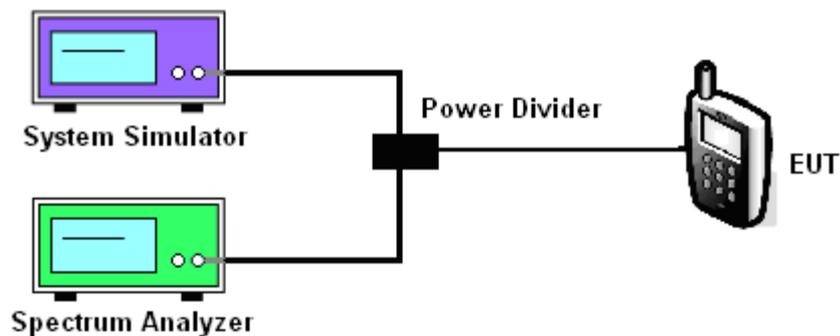
3.4.2 Measuring Instruments

See list of measuring instruments of this test report.

3.4.3 Test Procedures

1. The EUT was connected to spectrum analyzer and system simulator via power divider.
2. The conducted spurious emission for the whole frequency range was taken.

3.4.4 Test Setup

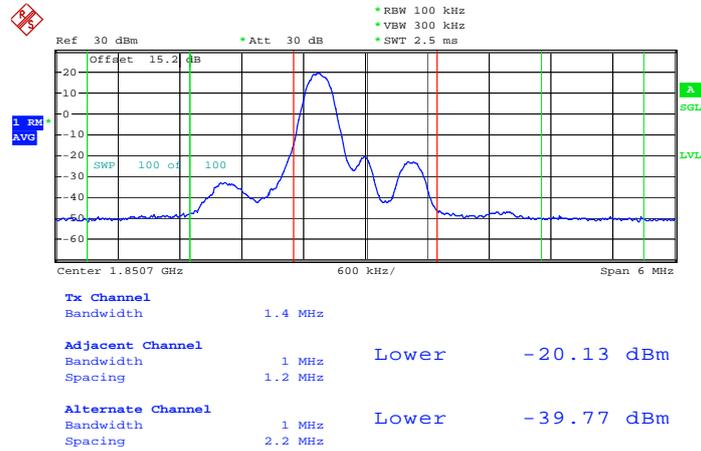




3.4.5 Test Plots of Conducted Band-Edge Emission

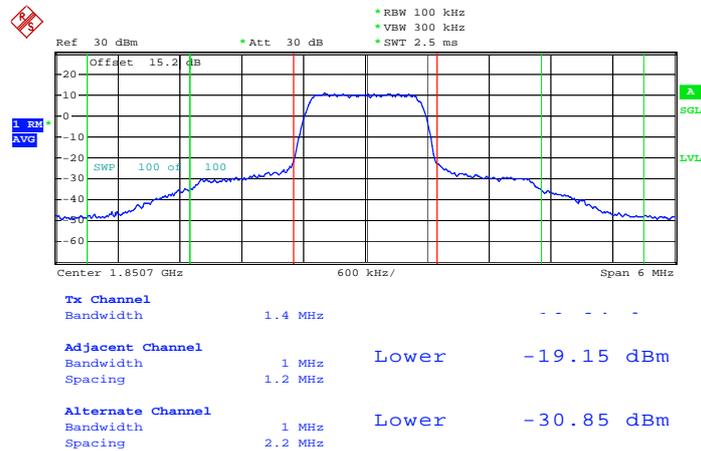
Band :	LTE Band 2	BW / Mod. :	1.4MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 30.JUL.2012 22:07:33

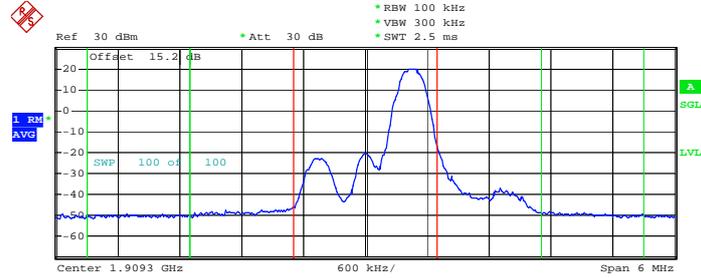
Lower Band Edge Plot for QPSK-RB Size 6, RB Offset 0



Date: 30.JUL.2012 22:09:13



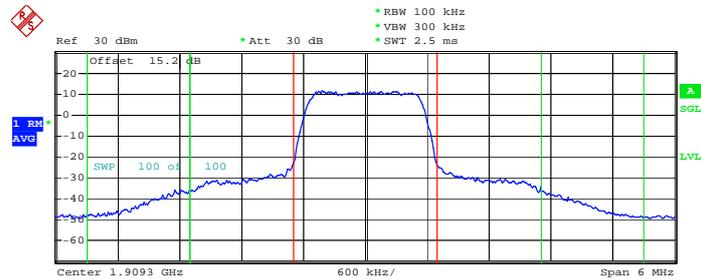
Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 5



Tx Channel			
Bandwidth	1.4 MHz		
Adjacent Channel			
Bandwidth	1 MHz		
Spacing	1.2 MHz	Upper	-21.55 dBm
Alternate Channel			
Bandwidth	1 MHz		
Spacing	2.2 MHz	Upper	-39.76 dBm

Date: 30.JUL.2012 22:16:28

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



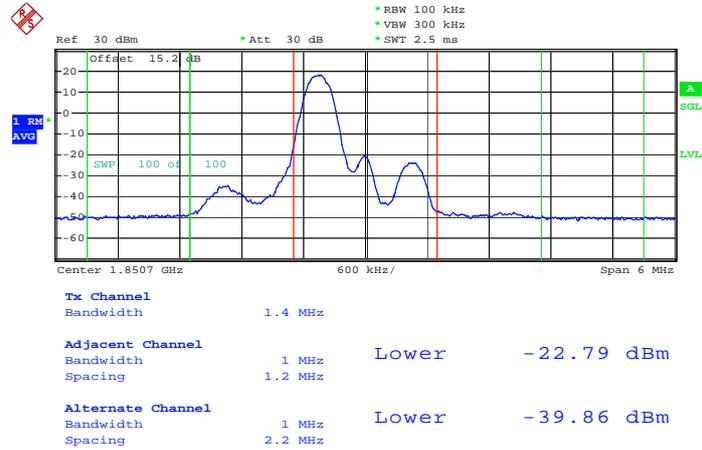
Tx Channel			
Bandwidth	1.4 MHz		
Adjacent Channel			
Bandwidth	1 MHz		
Spacing	1.2 MHz	Upper	-20.51 dBm
Alternate Channel			
Bandwidth	1 MHz		
Spacing	2.2 MHz	Upper	-31.97 dBm

Date: 30.JUL.2012 22:18:44



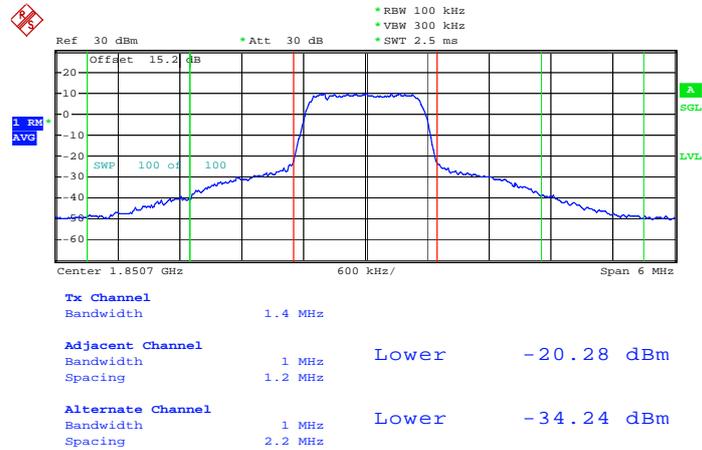
Band :	LTE Band 2	BW / Mod. :	1.4MHz / 16QAM
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Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



Date: 30.JUL.2012 22:07:48

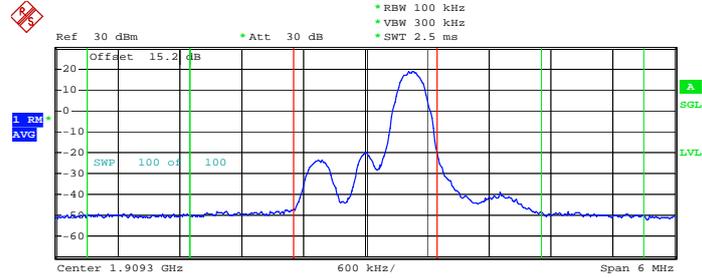
Lower Band Edge Plot for 16QAM -RB Size 6, RB Offset 0



Date: 30.JUL.2012 22:08:57



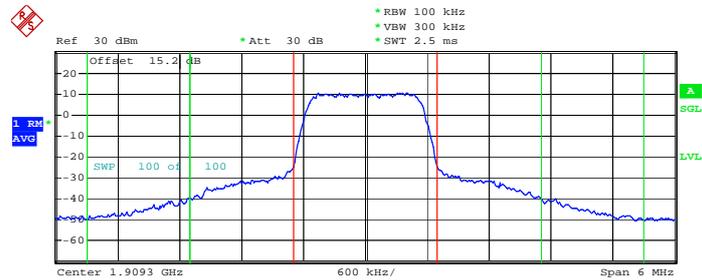
Higher Band Edge Plot for 16QAM -RB Size 1, RB Offset 5



Tx Channel			
Bandwidth	1.4 MHz		
Adjacent Channel			
Bandwidth	1 MHz		
Spacing	1.2 MHz	Upper	-24.65 dBm
Alternate Channel			
Bandwidth	1 MHz		
Spacing	2.2 MHz	Upper	-39.88 dBm

Date: 30.JUL.2012 22:16:43

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



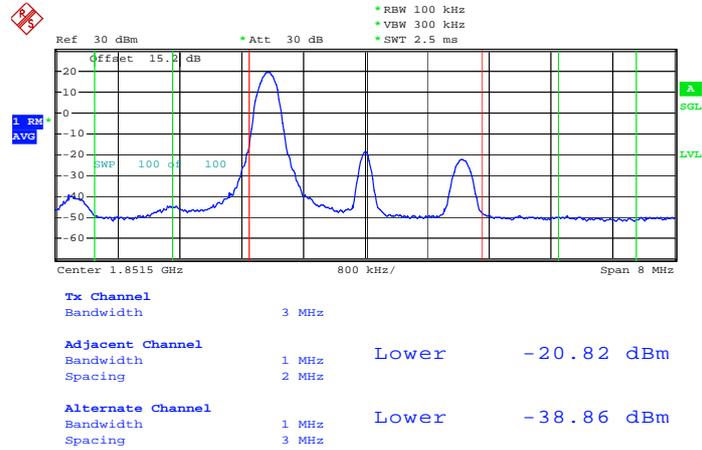
Tx Channel			
Bandwidth	1.4 MHz		
Adjacent Channel			
Bandwidth	1 MHz		
Spacing	1.2 MHz	Upper	-21.91 dBm
Alternate Channel			
Bandwidth	1 MHz		
Spacing	2.2 MHz	Upper	-34.89 dBm

Date: 30.JUL.2012 22:18:31



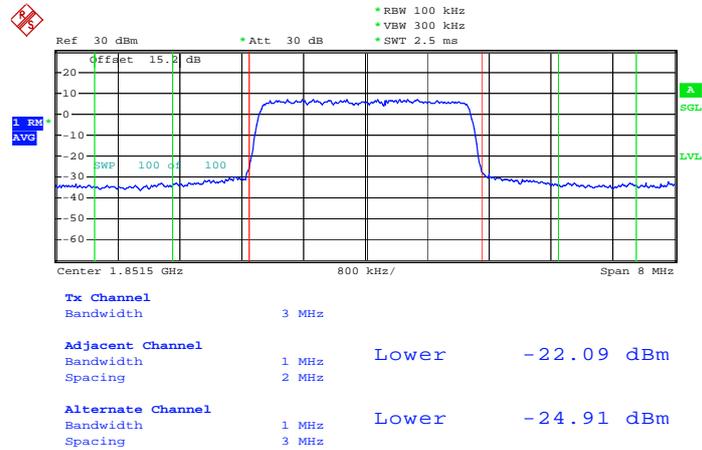
Band :	LTE Band 2	BW / Mod. :	3MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 30.JUL.2012 22:29:28

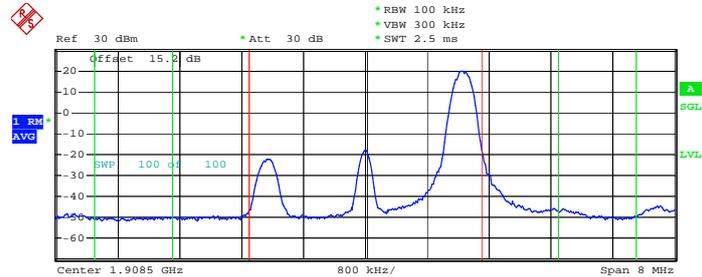
Lower Band Edge Plot for QPSK-RB Size 15, RB Offset 0



Date: 30.JUL.2012 22:30:00



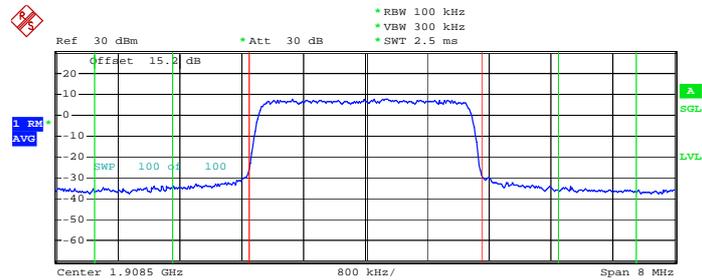
Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 14



Tx Channel			
Bandwidth	3 MHz		
Adjacent Channel			
Bandwidth	1 MHz		
Spacing	2 MHz	Upper	-20.46 dBm
Alternate Channel			
Bandwidth	1 MHz		
Spacing	3 MHz	Upper	-39.01 dBm

Date: 30.JUL.2012 22:32:46

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



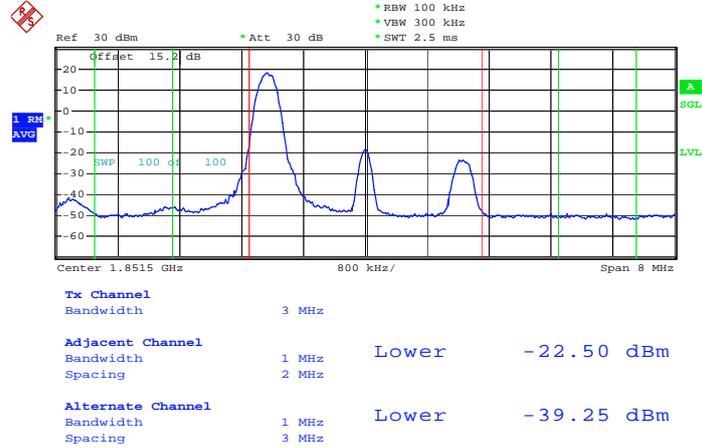
Tx Channel			
Bandwidth	3 MHz		
Adjacent Channel			
Bandwidth	1 MHz		
Spacing	2 MHz	Upper	-23.26 dBm
Alternate Channel			
Bandwidth	1 MHz		
Spacing	3 MHz	Upper	-26.17 dBm

Date: 30.JUL.2012 22:33:18



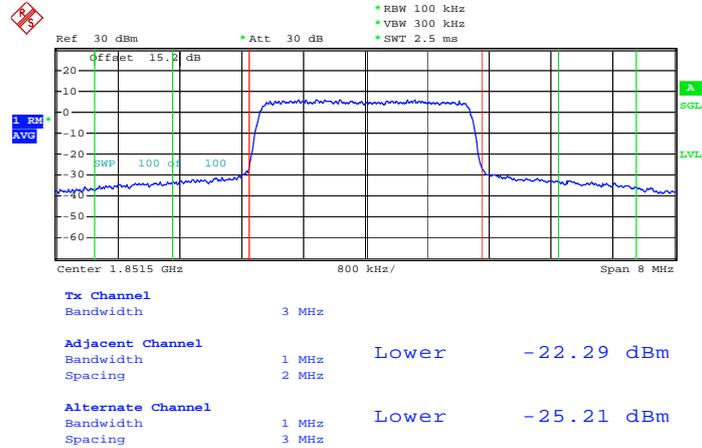
Band :	LTE Band 2	BW / Mod. :	3MHz / 16QAM
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Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



Date: 30.JUL.2012 22:29:07

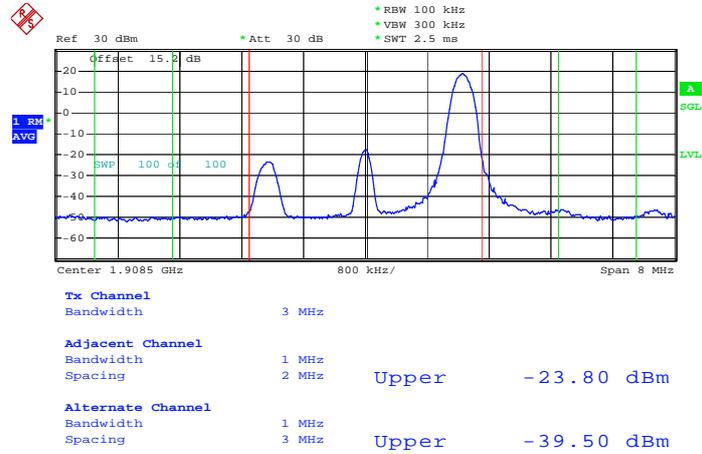
Lower Band Edge Plot for 16QAM -RB Size 15, RB Offset 0



Date: 30.JUL.2012 22:30:14

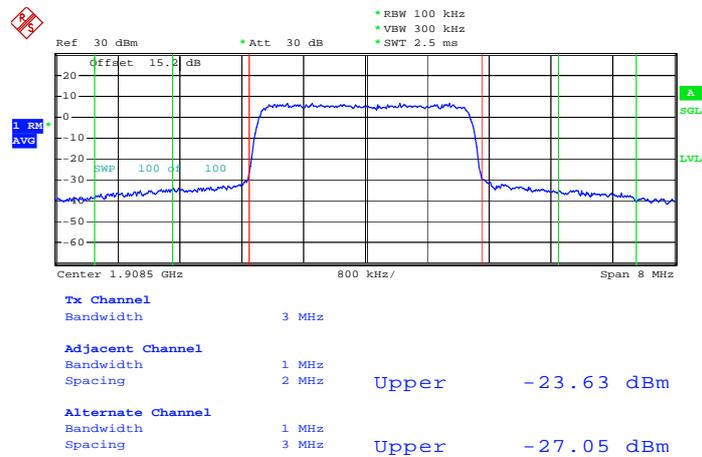


Higher Band Edge Plot for 16QAM -RB Size 1, RB Offset 14



Date: 30.JUL.2012 22:32:27

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

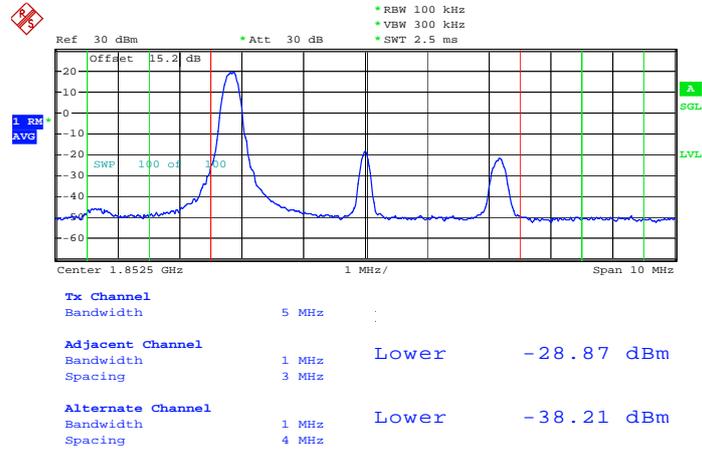


Date: 30.JUL.2012 22:33:34



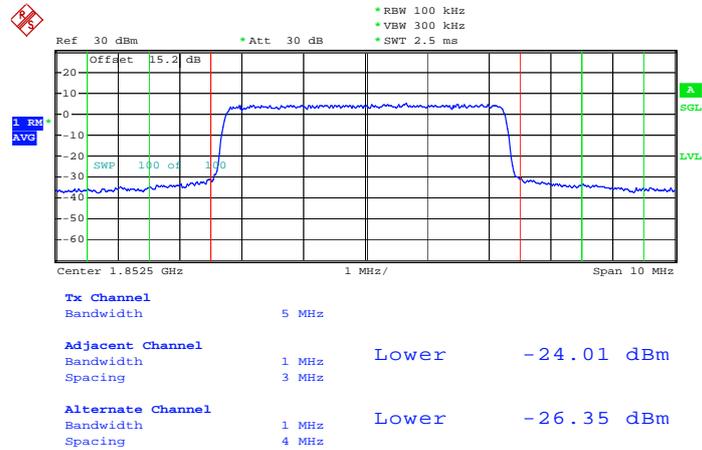
Band :	LTE Band 2	BW / Mod. :	5MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 30.JUL.2012 22:38:06

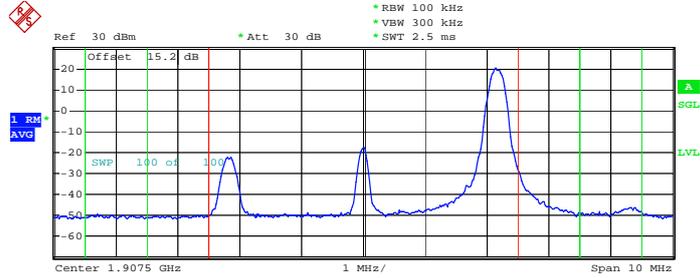
Lower Band Edge Plot for QPSK-RB Size 25, RB Offset 0



Date: 30.JUL.2012 22:38:40



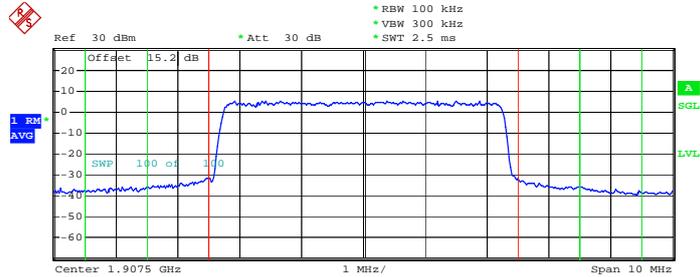
Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 24



Tx Channel			
Bandwidth	5 MHz		
Adjacent Channel			
Bandwidth	1 MHz		
Spacing	3 MHz	Upper	-29.49 dBm
Alternate Channel			
Bandwidth	1 MHz		
Spacing	4 MHz	Upper	-38.50 dBm

Date: 30.JUL.2012 22:41:32

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



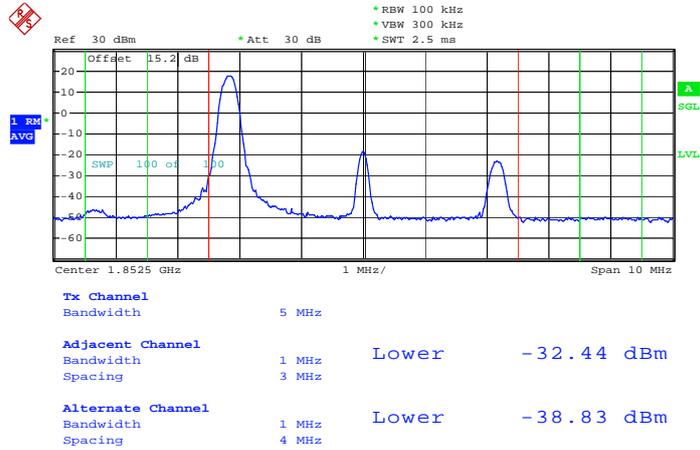
Tx Channel			
Bandwidth	5 MHz		
Adjacent Channel			
Bandwidth	1 MHz		
Spacing	3 MHz	Upper	-25.29 dBm
Alternate Channel			
Bandwidth	1 MHz		
Spacing	4 MHz	Upper	-28.05 dBm

Date: 30.JUL.2012 22:41:51



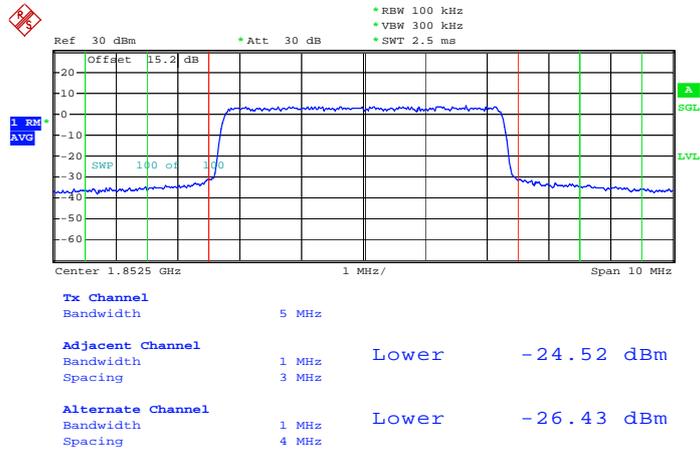
Band :	LTE Band 2	BW / Mod. :	5MHz / 16QAM
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Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



Date: 30.JUL.2012 22:37:34

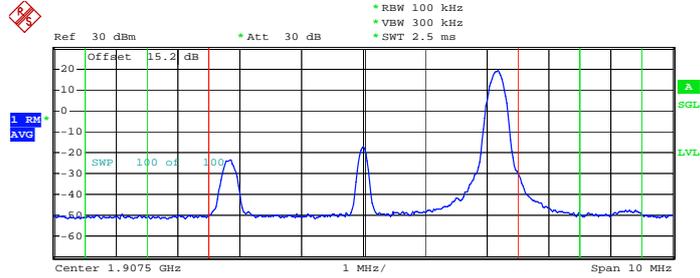
Lower Band Edge Plot for 16QAM -RB Size 25, RB Offset 0



Date: 30.JUL.2012 22:39:01



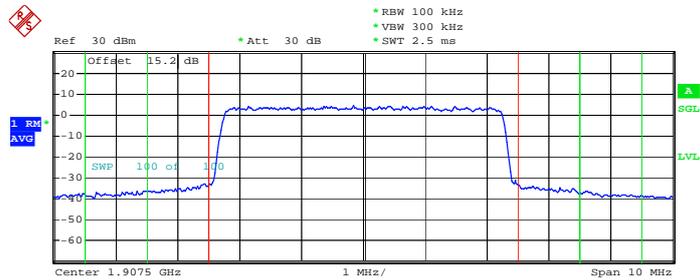
Higher Band Edge Plot for 16QAM -RB Size 1, RB Offset 24



Tx Channel			
Bandwidth	5 MHz		
Adjacent Channel			
Bandwidth	1 MHz		
Spacing	3 MHz	Upper	-30.93 dBm
Alternate Channel			
Bandwidth	1 MHz		
Spacing	4 MHz	Upper	-39.10 dBm

Date: 30.JUL.2012 22:41:17

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



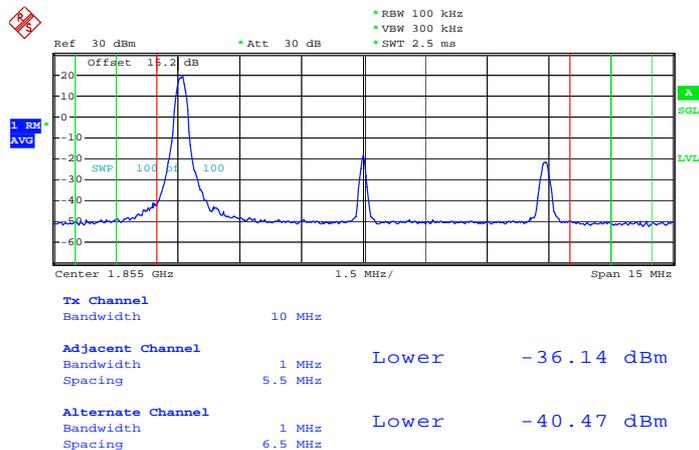
Tx Channel			
Bandwidth	5 MHz		
Adjacent Channel			
Bandwidth	1 MHz		
Spacing	3 MHz	Upper	-25.64 dBm
Alternate Channel			
Bandwidth	1 MHz		
Spacing	4 MHz	Upper	-28.31 dBm

Date: 30.JUL.2012 22:42:07



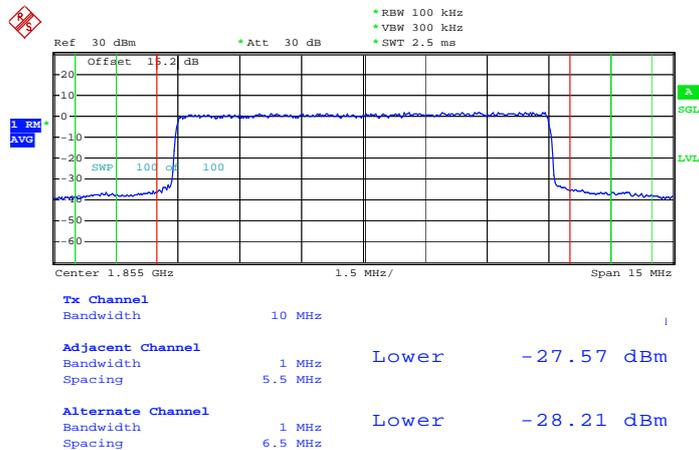
Band :	LTE Band 2	BW / Mod. :	10MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 30.JUL.2012 22:47:11

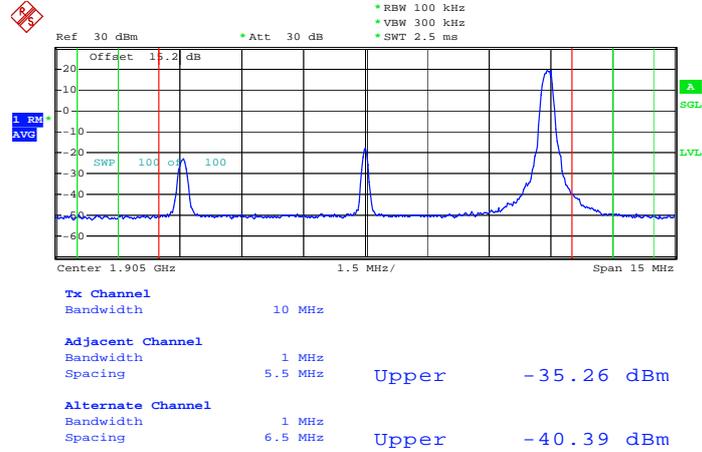
Lower Band Edge Plot for QPSK-RB Size 50, RB Offset 0



Date: 30.JUL.2012 22:47:43

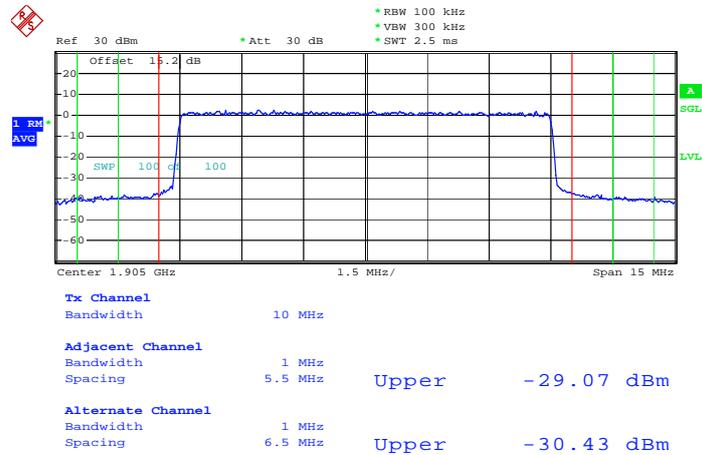


Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 49



Date: 30.JUL.2012 22:50:18

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

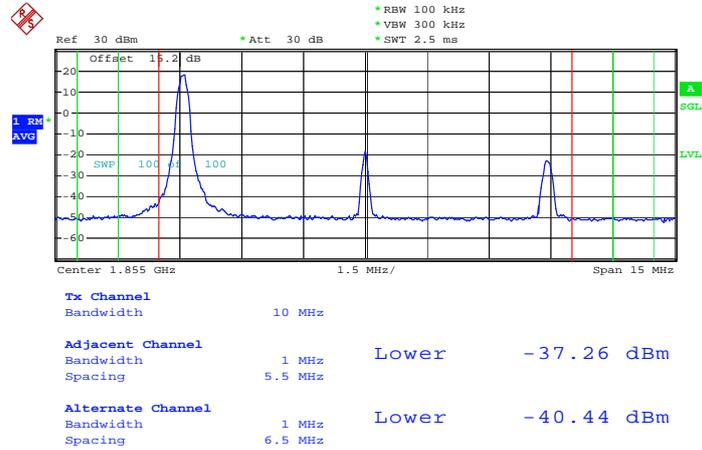


Date: 30.JUL.2012 22:50:39



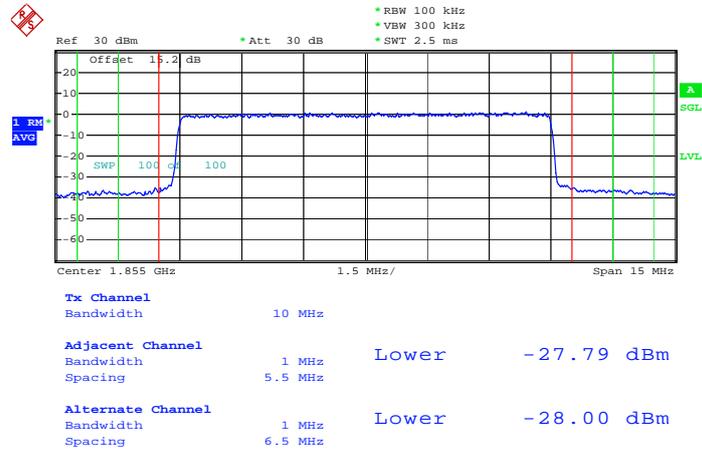
Band :	LTE Band 2	BW / Mod. :	10MHz / 16QAM
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Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



Date: 30.JUL.2012 22:46:39

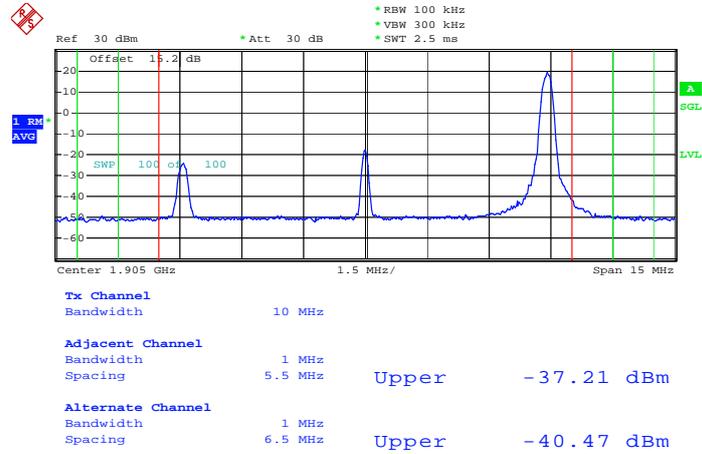
Lower Band Edge Plot for 16QAM -RB Size 50, RB Offset 0



Date: 30.JUL.2012 22:48:05

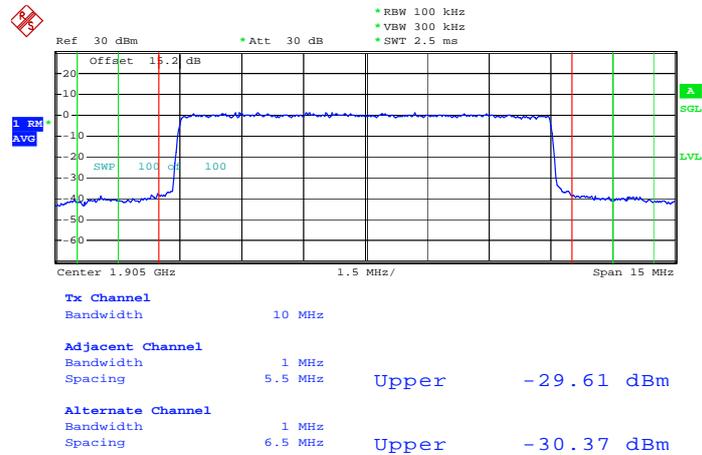


Higher Band Edge Plot for 16QAM -RB Size 1, RB Offset 49



Date: 30.JUL.2012 22:50:02

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

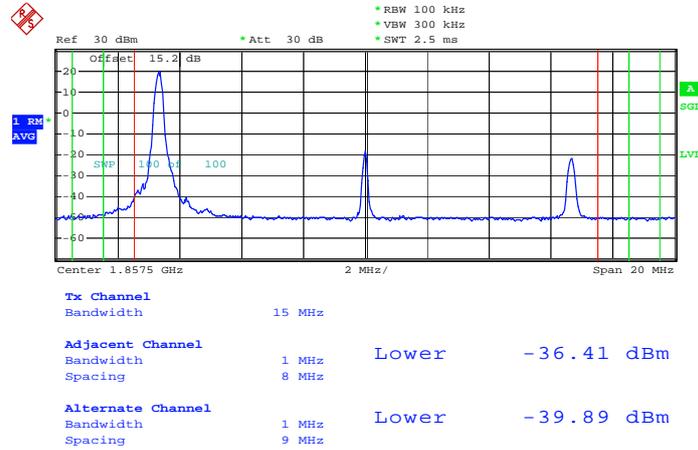


Date: 30.JUL.2012 22:51:00



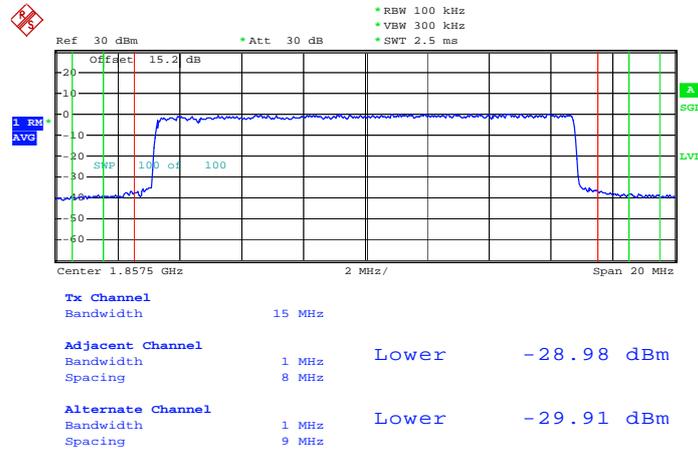
Band :	LTE Band 2	BW / Mod. :	15MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 30.JUL.2012 22:54:43

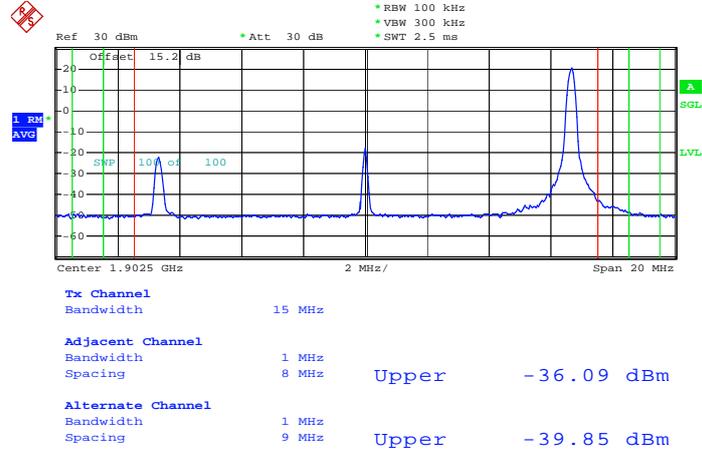
Lower Band Edge Plot for QPSK-RB Size 75, RB Offset 0



Date: 30.JUL.2012 22:55:13

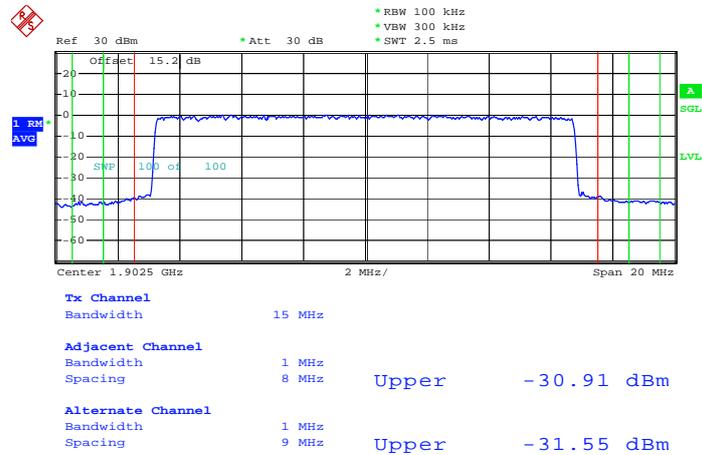


Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 74



Date: 30.JUL.2012 22:57:29

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

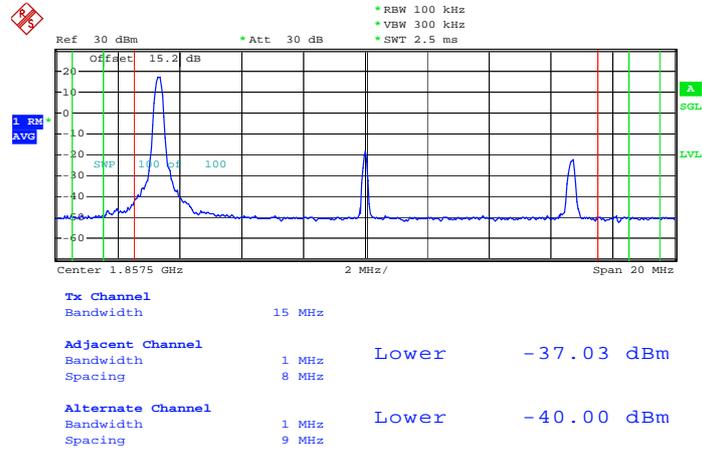


Date: 30.JUL.2012 22:57:50



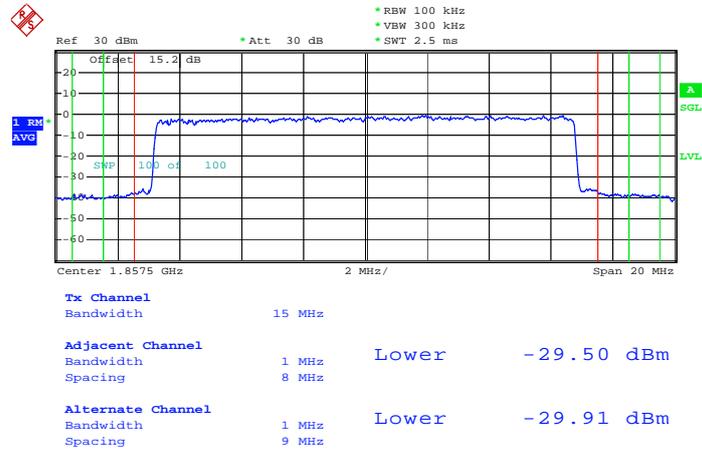
Band :	LTE Band 2	BW / Mod. :	15MHz / 16QAM
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Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



Date: 30.JUL.2012 22:54:15

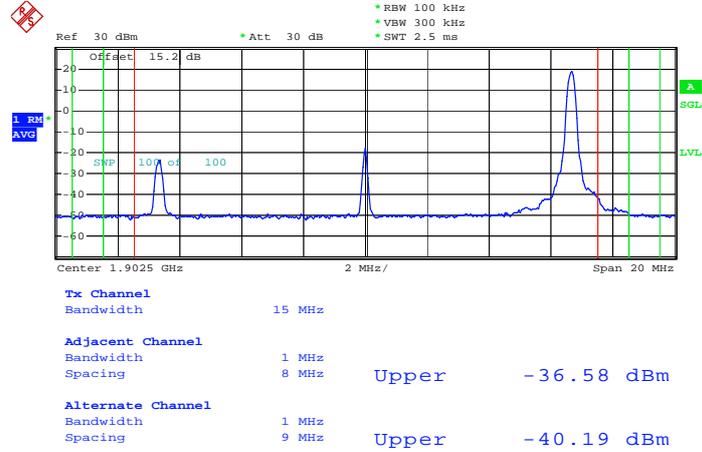
Lower Band Edge Plot for 16QAM -RB Size 75, RB Offset 0



Date: 30.JUL.2012 22:55:31

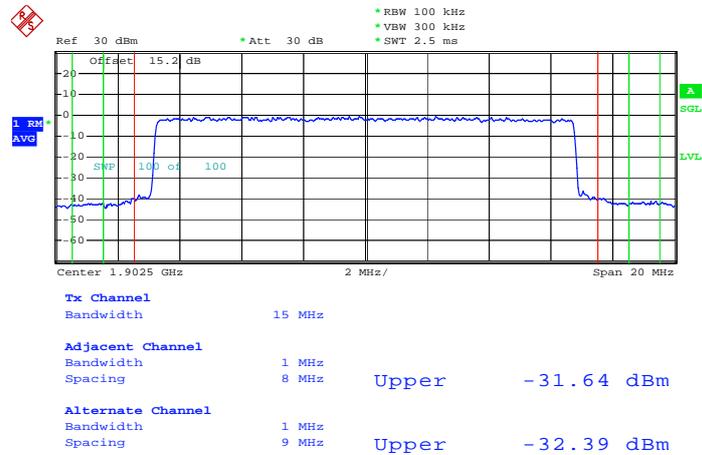


Higher Band Edge Plot for 16QAM -RB Size 1, RB Offset 74



Date: 30.JUL.2012 22:57:10

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

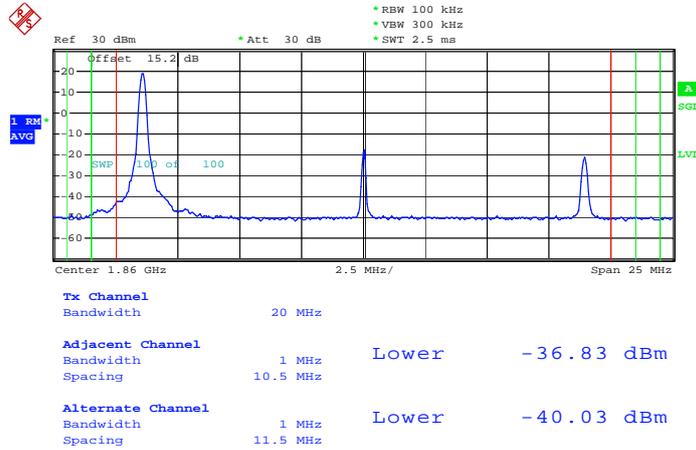


Date: 30.JUL.2012 22:58:06



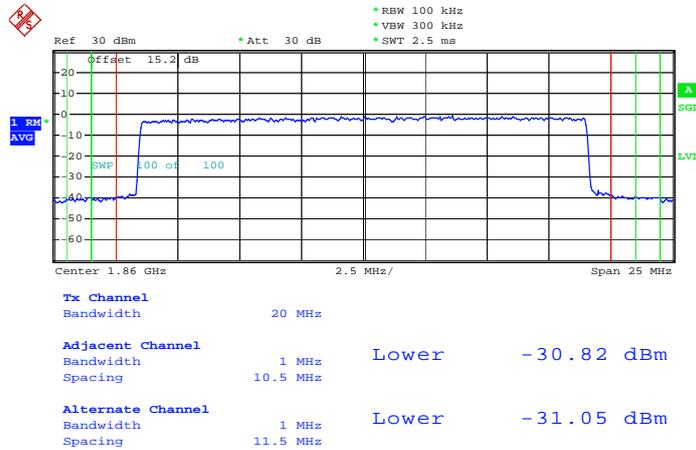
Band :	LTE Band 2	BW / Mod. :	20MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 30.JUL.2012 23:01:03

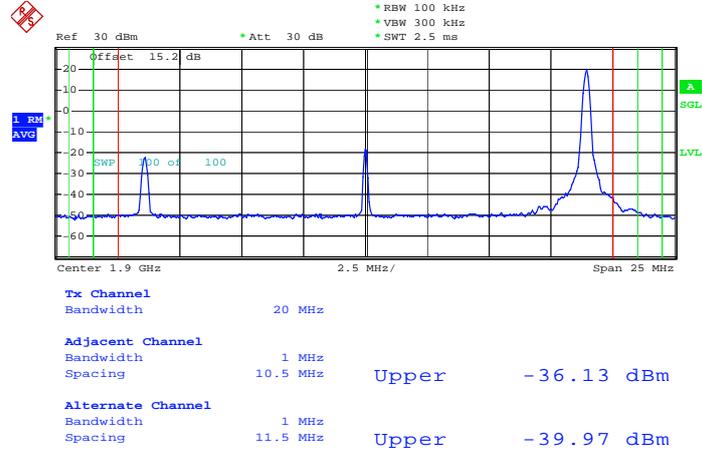
Lower Band Edge Plot for QPSK-RB Size 100, RB Offset 0



Date: 30.JUL.2012 23:01:28

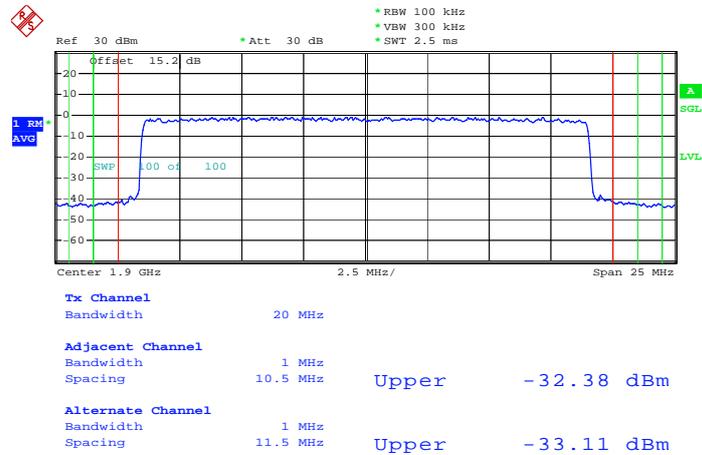


Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 99



Date: 30.JUL.2012 23:04:13

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

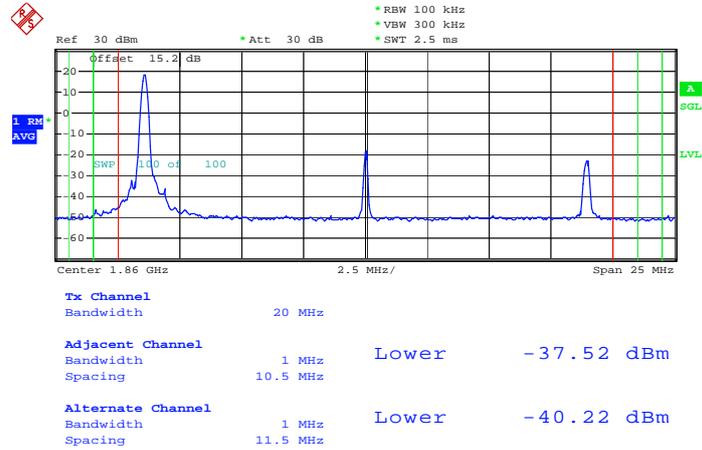


Date: 30.JUL.2012 23:04:34



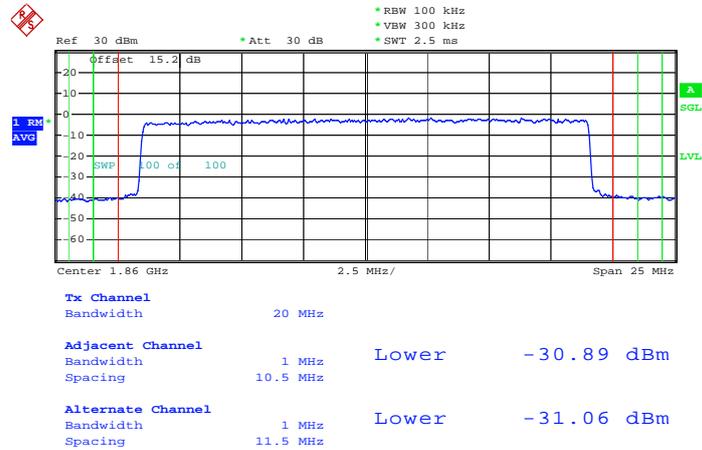
Band :	LTE Band 2	BW / Mod. :	20MHz / 16QAM
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Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



Date: 30.JUL.2012 23:00:45

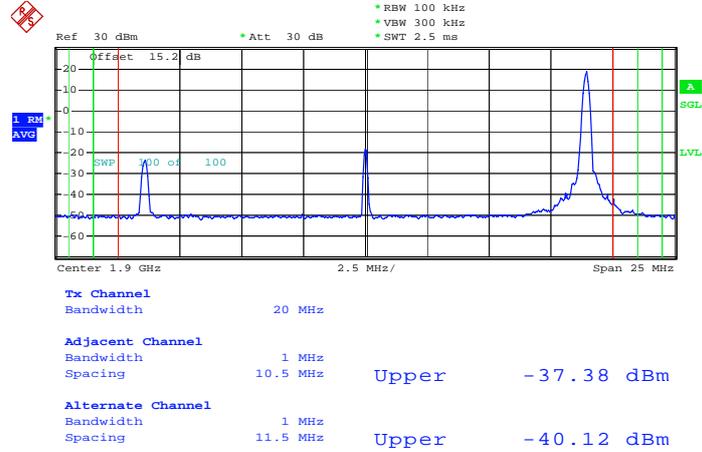
Lower Band Edge Plot for 16QAM -RB Size 100, RB Offset 0



Date: 30.JUL.2012 23:01:58

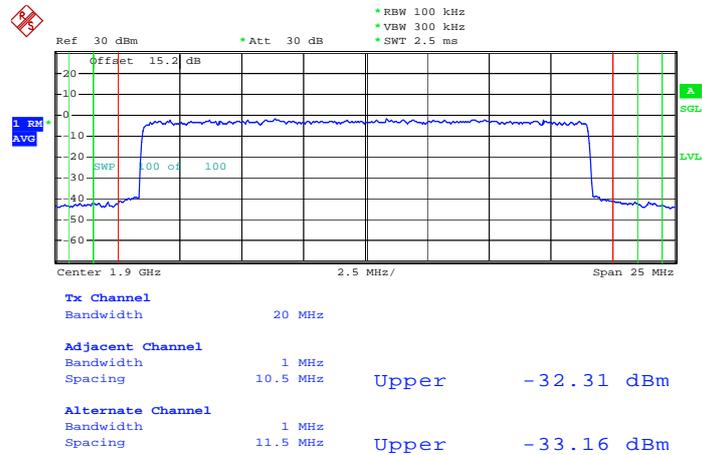


Higher Band Edge Plot for 16QAM -RB Size 1, RB Offset 99



Date: 30.JUL.2012 23:03:57

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

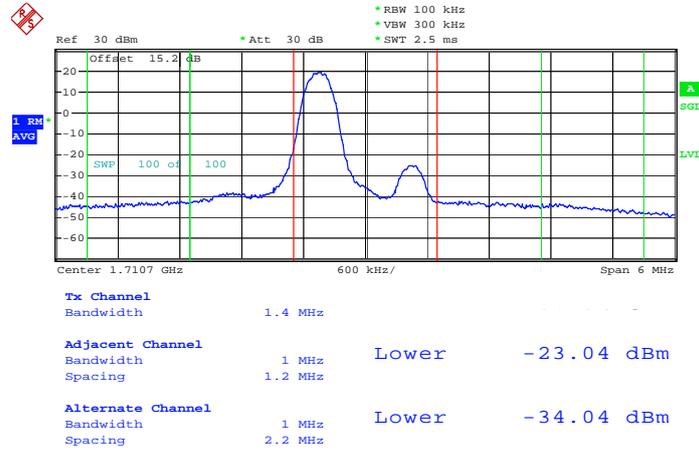


Date: 30.JUL.2012 23:04:54



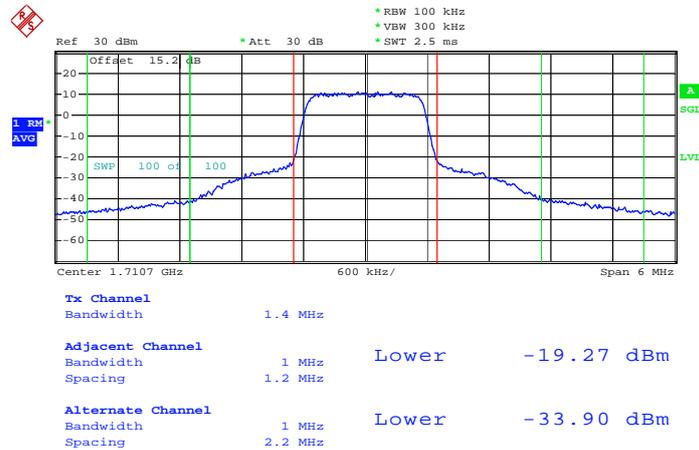
Band :	LTE Band 4	BW / Mod. :	1.4MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 30.JUL.2012 23:28:50

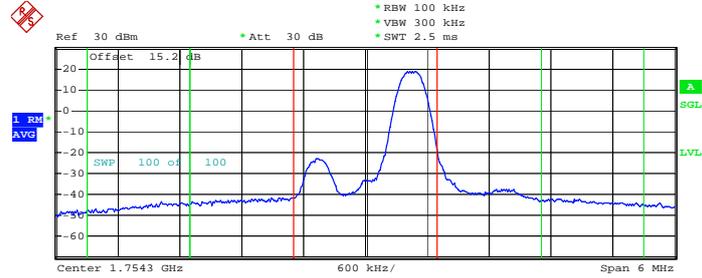
Lower Band Edge Plot for QPSK-RB Size 6, RB Offset 0



Date: 30.JUL.2012 23:29:09



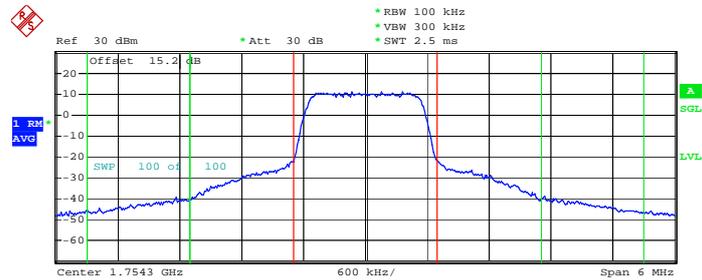
Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 5



Tx Channel			
Bandwidth	1.4 MHz		
Adjacent Channel			
Bandwidth	1 MHz		
Spacing	1.2 MHz	Upper	-23.38 dBm
Alternate Channel			
Bandwidth	1 MHz		
Spacing	2.2 MHz	Upper	-33.79 dBm

Date: 30.JUL.2012 23:31:19

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



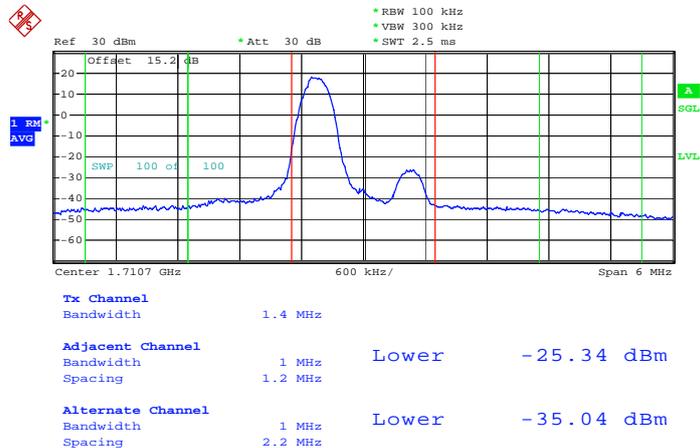
Tx Channel			
Bandwidth	1.4 MHz		
Adjacent Channel			
Bandwidth	1 MHz		
Spacing	1.2 MHz	Upper	-19.02 dBm
Alternate Channel			
Bandwidth	1 MHz		
Spacing	2.2 MHz	Upper	-32.90 dBm

Date: 30.JUL.2012 23:31:49



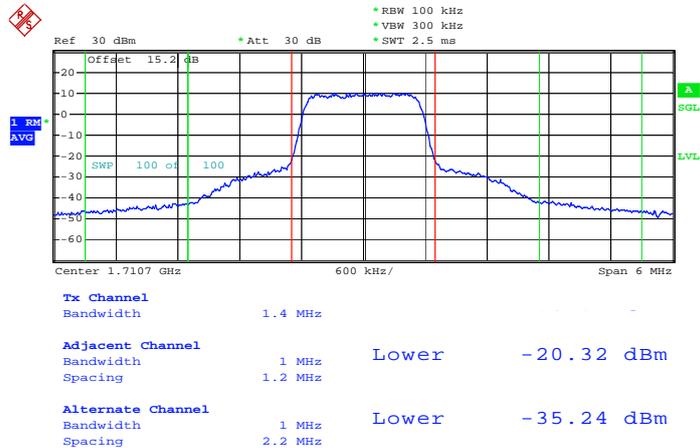
Band :	LTE Band 4	BW / Mod. :	1.4MHz / 16QAM
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Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



Date: 30.JUL.2012 23:28:38

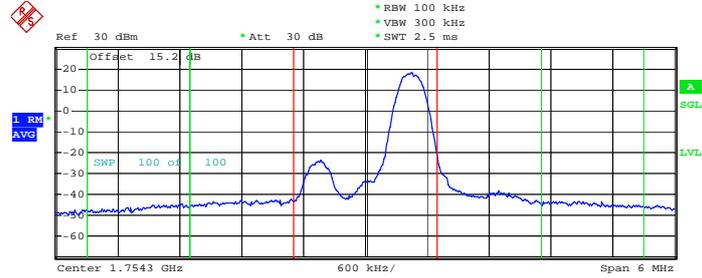
Lower Band Edge Plot for 16QAM -RB Size 6, RB Offset 0



Date: 30.JUL.2012 23:29:42



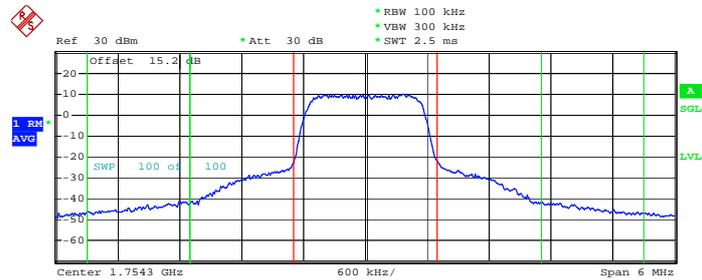
Higher Band Edge Plot for 16QAM -RB Size 1, RB Offset 5



Tx Channel			
Bandwidth	1.4 MHz		
Adjacent Channel			
Bandwidth	1 MHz		
Spacing	1.2 MHz	Upper	-25.59 dBm
Alternate Channel			
Bandwidth	1 MHz		
Spacing	2.2 MHz	Upper	-34.86 dBm

Date: 30.JUL.2012 23:31:07

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



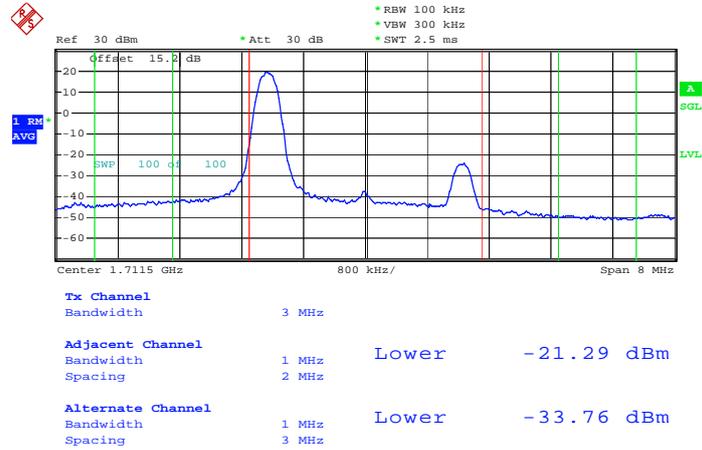
Tx Channel			
Bandwidth	1.4 MHz		
Adjacent Channel			
Bandwidth	1 MHz		
Spacing	1.2 MHz	Upper	-19.86 dBm
Alternate Channel			
Bandwidth	1 MHz		
Spacing	2.2 MHz	Upper	-34.71 dBm

Date: 30.JUL.2012 23:32:08



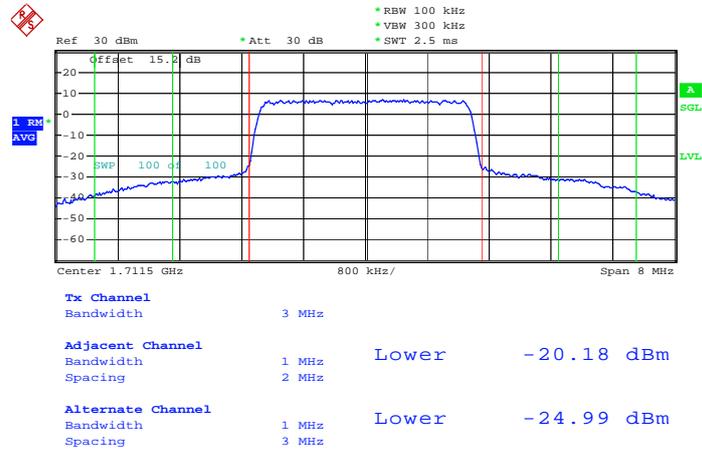
Band :	LTE Band 4	BW / Mod. :	3MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 30.JUL.2012 23:44:04

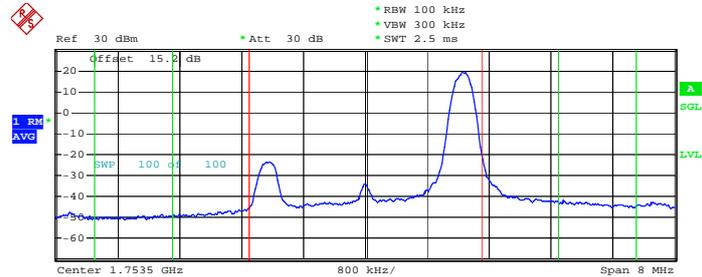
Lower Band Edge Plot for QPSK-RB Size 15, RB Offset 0



Date: 30.JUL.2012 23:44:23



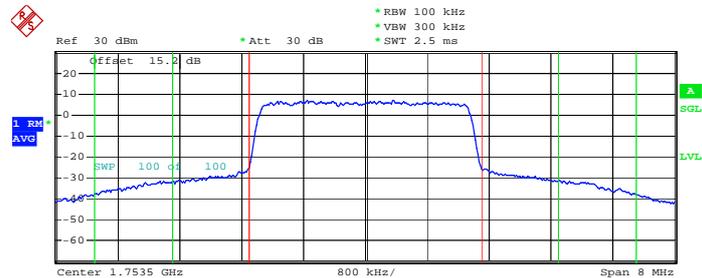
Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 14



Tx Channel			
Bandwidth	3 MHz		
Adjacent Channel			
Bandwidth	1 MHz		
Spacing	2 MHz	Upper	-22.34 dBm
Alternate Channel			
Bandwidth	1 MHz		
Spacing	3 MHz	Upper	-33.91 dBm

Date: 30.JUL.2012 23:41:37

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



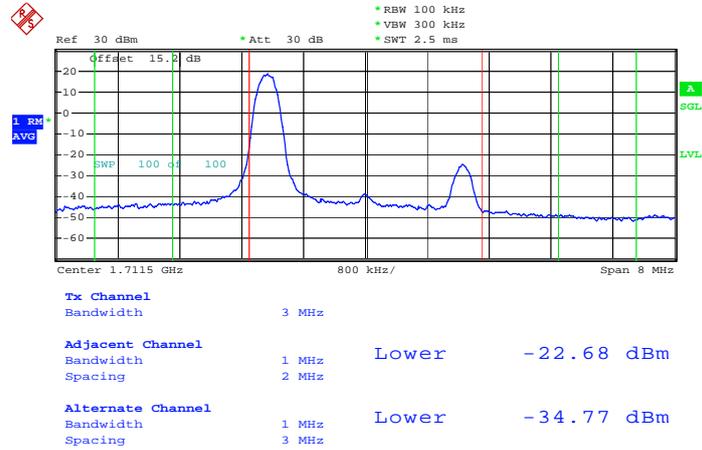
Tx Channel			
Bandwidth	3 MHz		
Adjacent Channel			
Bandwidth	1 MHz		
Spacing	2 MHz	Upper	-19.17 dBm
Alternate Channel			
Bandwidth	1 MHz		
Spacing	3 MHz	Upper	-24.11 dBm

Date: 30.JUL.2012 23:42:04



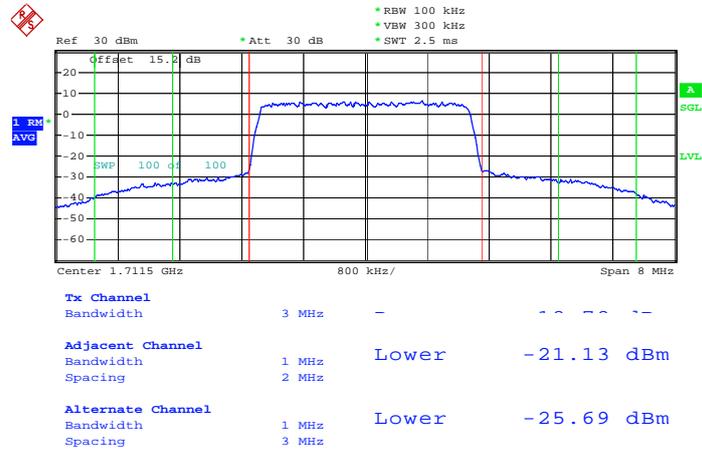
Band :	LTE Band 4	BW / Mod. :	3MHz / 16QAM
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Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



Date: 30.JUL.2012 23:43:39

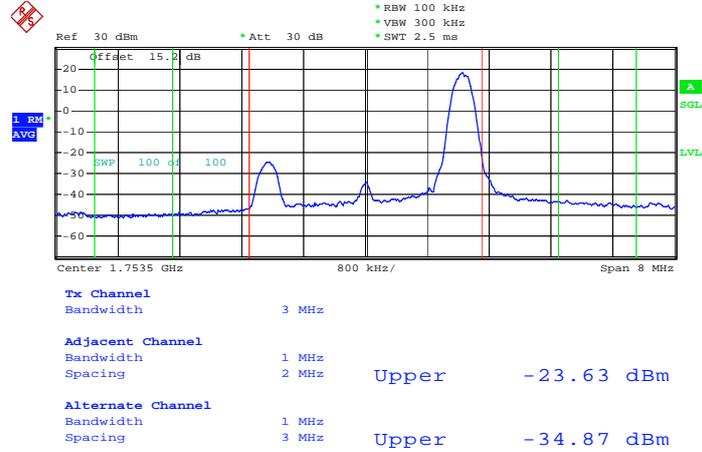
Lower Band Edge Plot for 16QAM -RB Size 15, RB Offset 0



Date: 30.JUL.2012 23:44:59

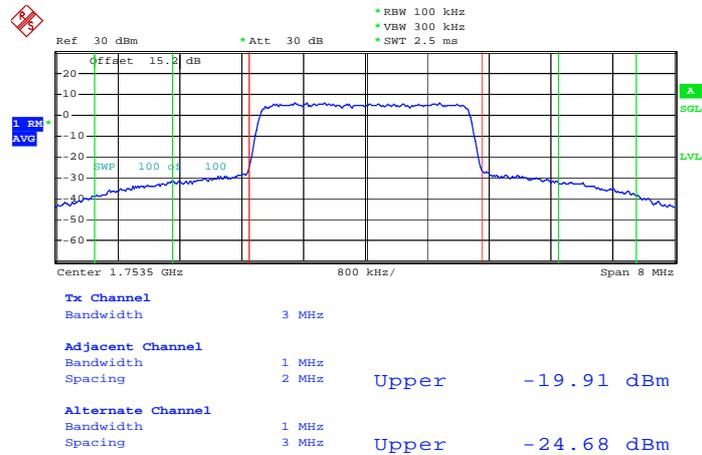


Higher Band Edge Plot for 16QAM -RB Size 1, RB Offset 14



Date: 30.JUL.2012 23:41:23

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

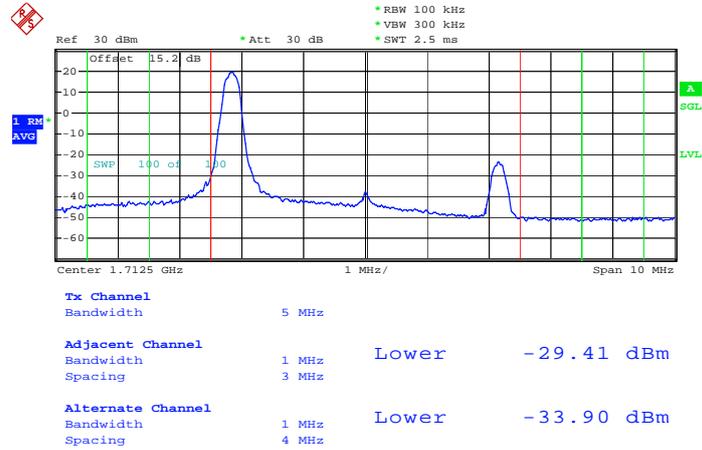


Date: 30.JUL.2012 23:42:33



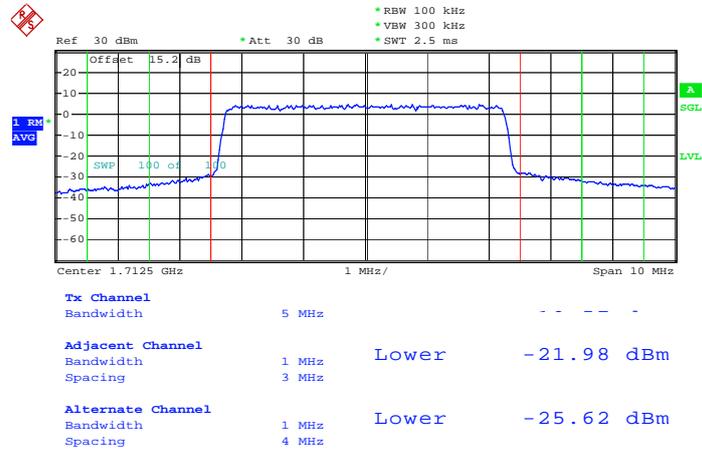
Band :	LTE Band 4	BW / Mod. :	5MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 30.JUL.2012 23:48:47

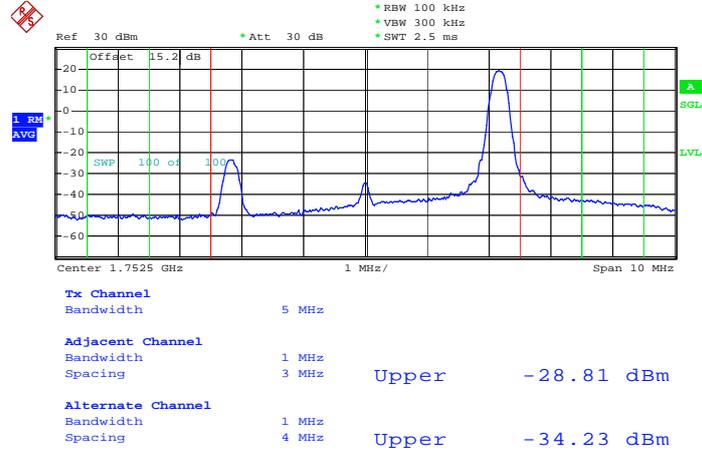
Lower Band Edge Plot for QPSK-RB Size 25, RB Offset 0



Date: 30.JUL.2012 23:49:07

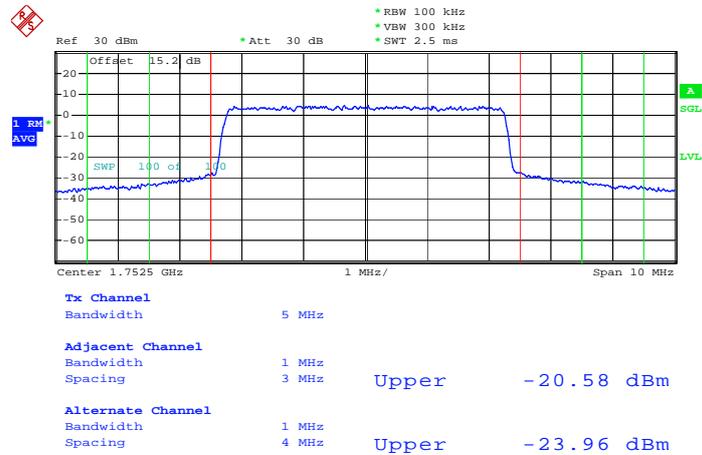


Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 24



Date: 30.JUL.2012 23:51:02

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

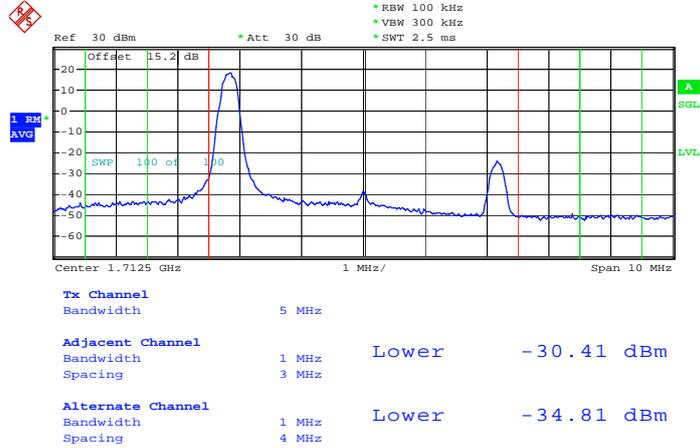


Date: 30.JUL.2012 23:51:18



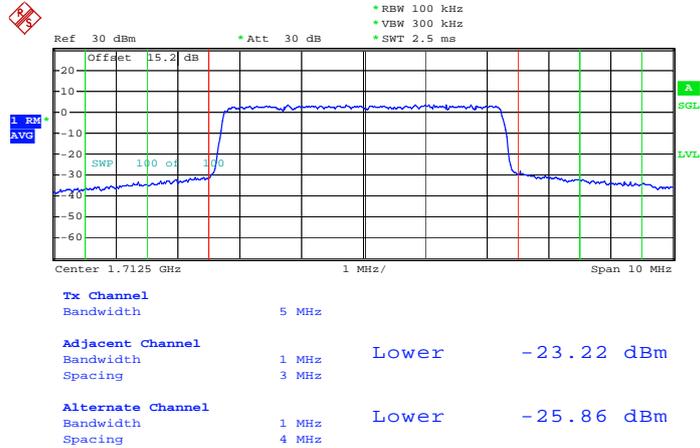
Band :	LTE Band 4	BW / Mod. :	5MHz / 16QAM
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Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



Date: 30.JUL.2012 23:48:32

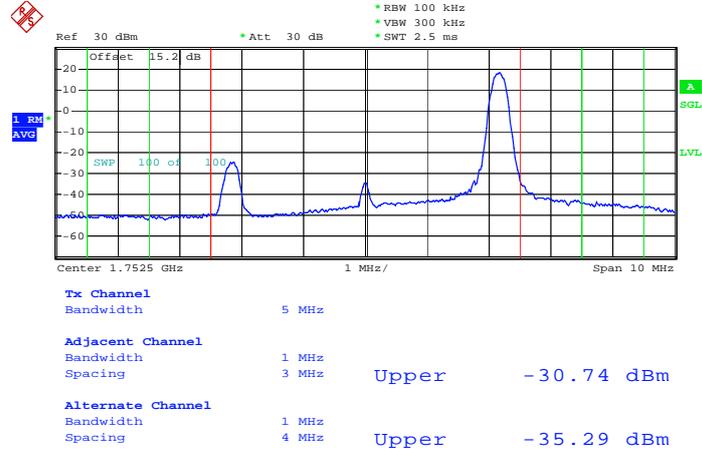
Lower Band Edge Plot for 16QAM -RB Size 25, RB Offset 0



Date: 30.JUL.2012 23:49:27

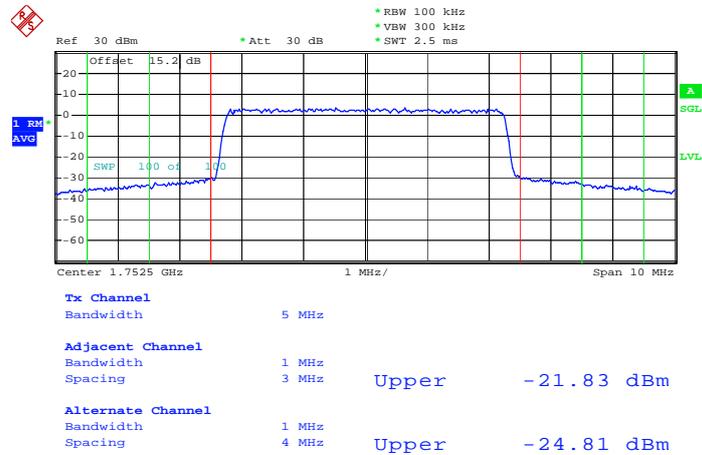


Higher Band Edge Plot for 16QAM -RB Size 1, RB Offset 24



Date: 30.JUL.2012 23:50:39

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

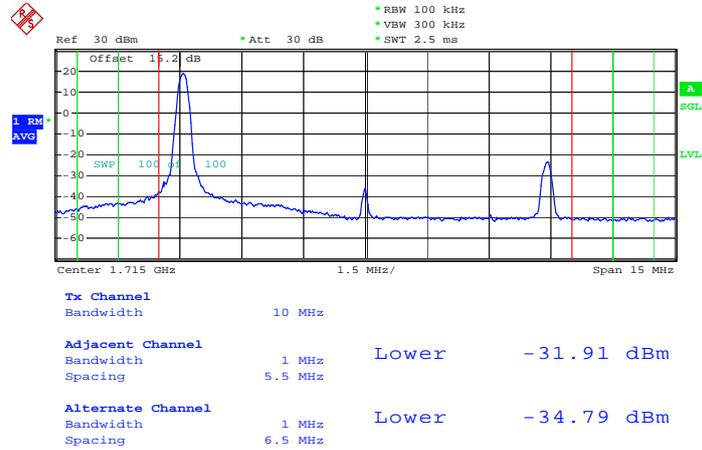


Date: 30.JUL.2012 23:51:50



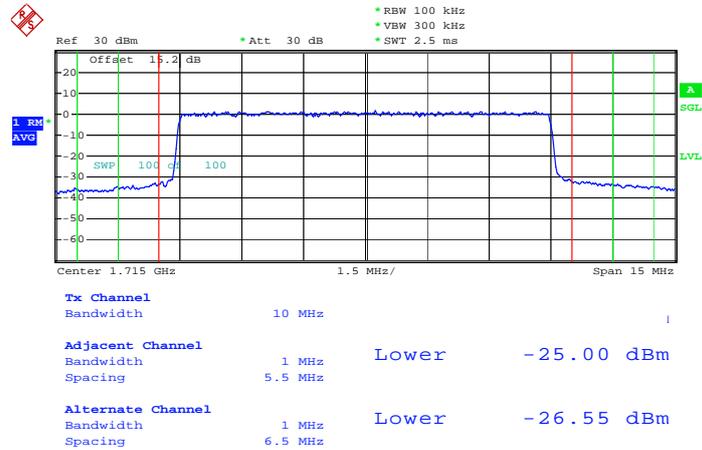
Band :	LTE Band 4	BW / Mod. :	10MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 30.JUL.2012 23:54:15

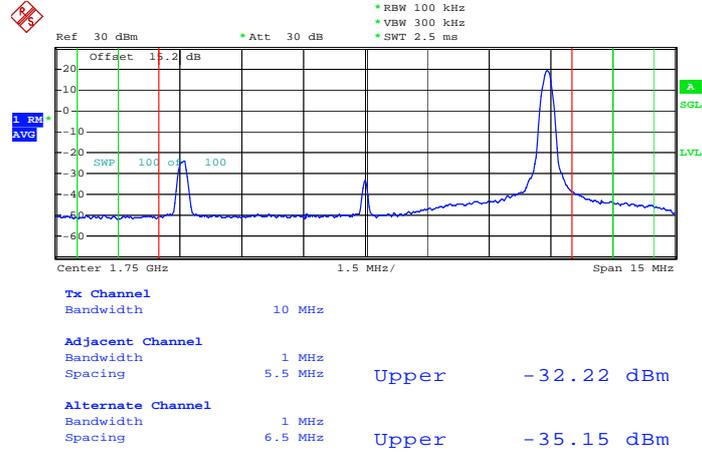
Lower Band Edge Plot for QPSK-RB Size 50, RB Offset 0



Date: 30.JUL.2012 23:54:29

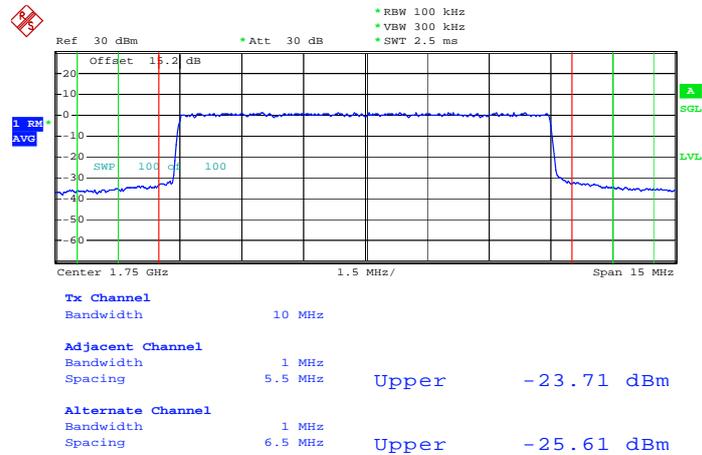


Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 49



Date: 30.JUL.2012 23:55:48

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

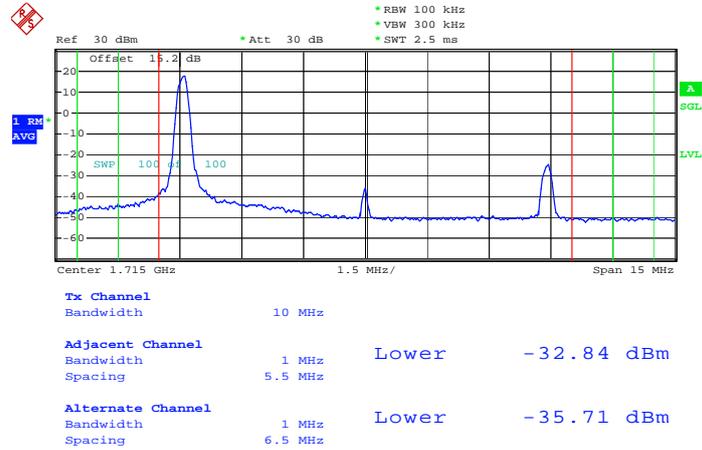


Date: 30.JUL.2012 23:56:23



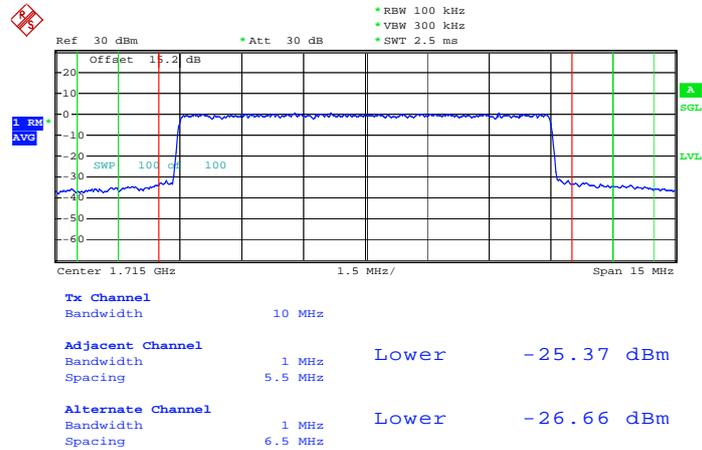
Band :	LTE Band 4	BW / Mod. :	10MHz / 16QAM
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Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



Date: 30.JUL.2012 23:53:55

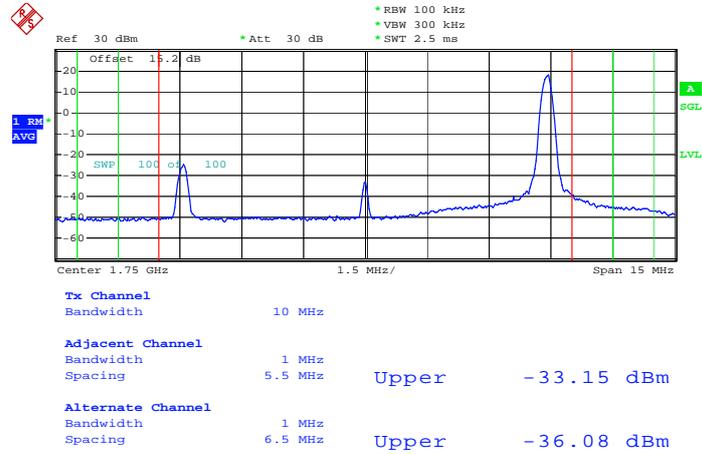
Lower Band Edge Plot for 16QAM -RB Size 50, RB Offset 0



Date: 30.JUL.2012 23:54:46

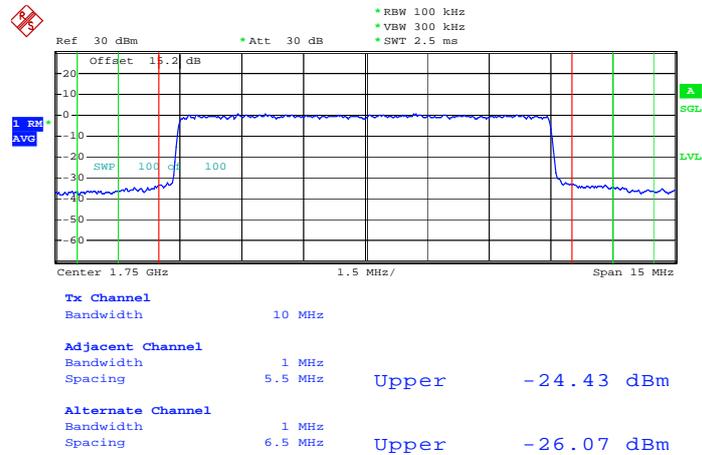


Higher Band Edge Plot for 16QAM -RB Size 1, RB Offset 49



Date: 30.JUL.2012 23:55:31

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

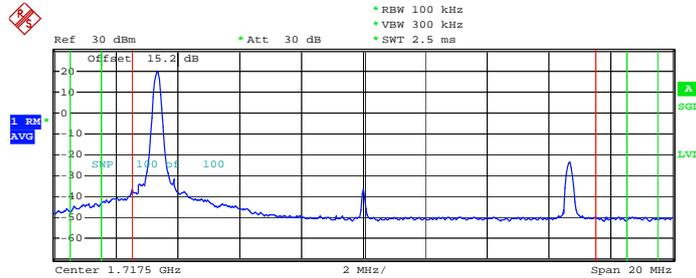


Date: 30.JUL.2012 23:56:42



Band :	LTE Band 4	BW / Mod. :	15MHz / QPSK
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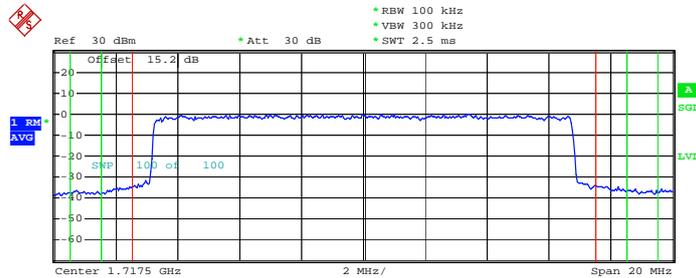
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Tx Channel	Bandwidth	15 MHz		
Adjacent Channel	Bandwidth	1 MHz	Lower	-31.68 dBm
	Spacing	8 MHz		
Alternate Channel	Bandwidth	1 MHz	Lower	-34.97 dBm
	Spacing	9 MHz		

Date: 30.JUL.2012 23:59:00

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

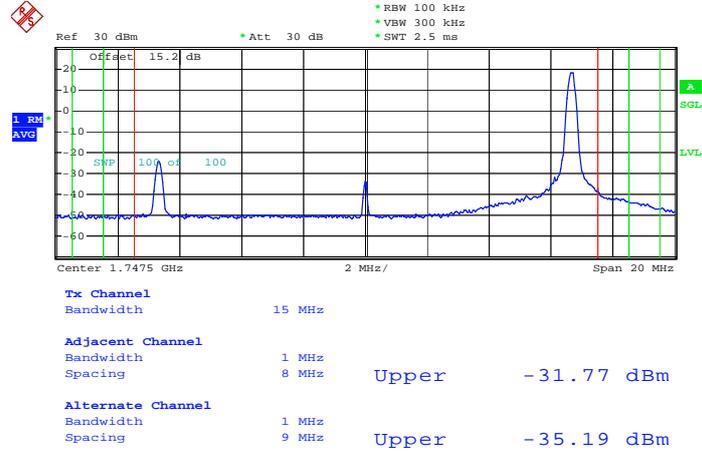


Tx Channel	Bandwidth	15 MHz		
Adjacent Channel	Bandwidth	1 MHz	Lower	-26.42 dBm
	Spacing	8 MHz		
Alternate Channel	Bandwidth	1 MHz	Lower	-27.68 dBm
	Spacing	9 MHz		

Date: 30.JUL.2012 23:59:31

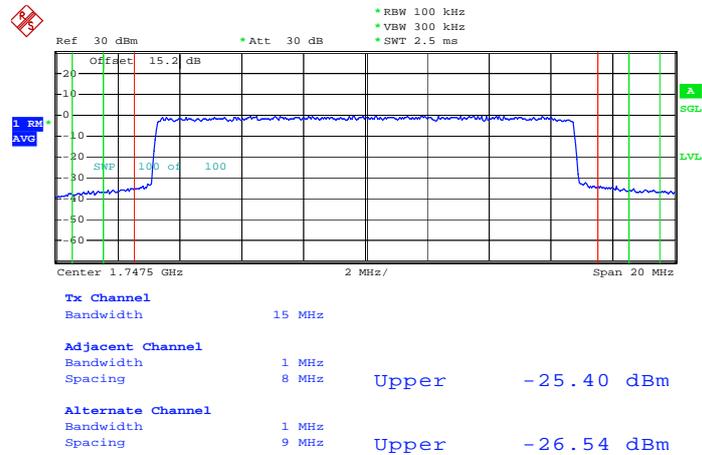


Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 74



Date: 31.JUL.2012 00:06:12

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

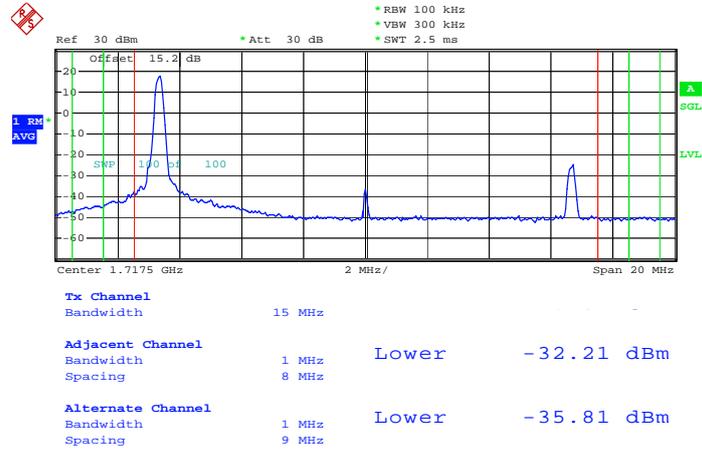


Date: 31.JUL.2012 00:06:31



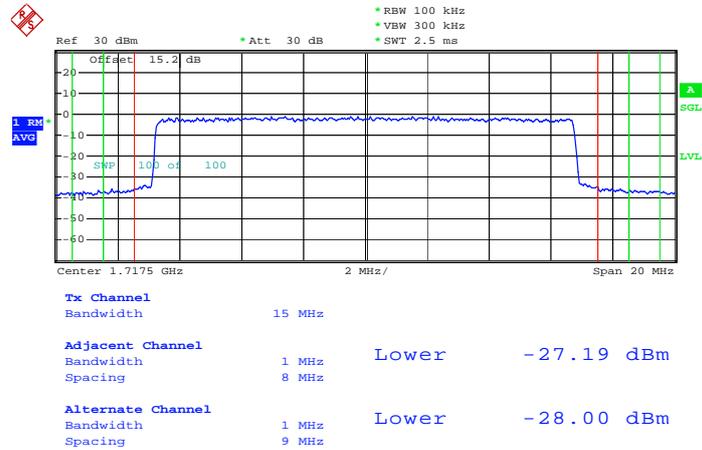
Band :	LTE Band 4	BW / Mod. :	15MHz / 16QAM
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Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



Date: 30.JUL.2012 23:58:40

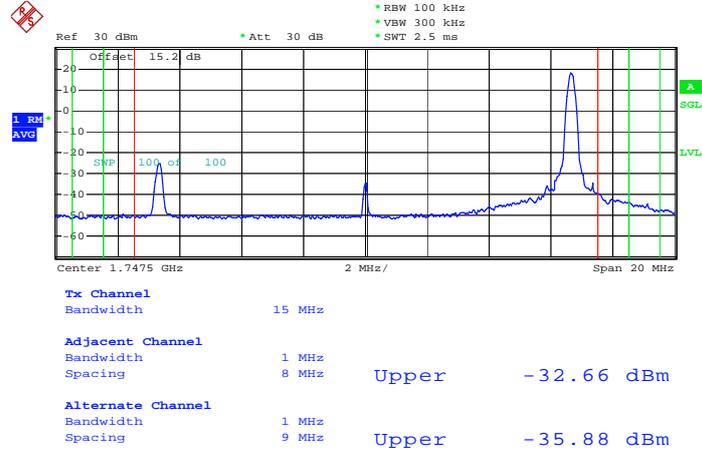
Lower Band Edge Plot for 16QAM -RB Size 75, RB Offset 0



Date: 30.JUL.2012 23:59:56

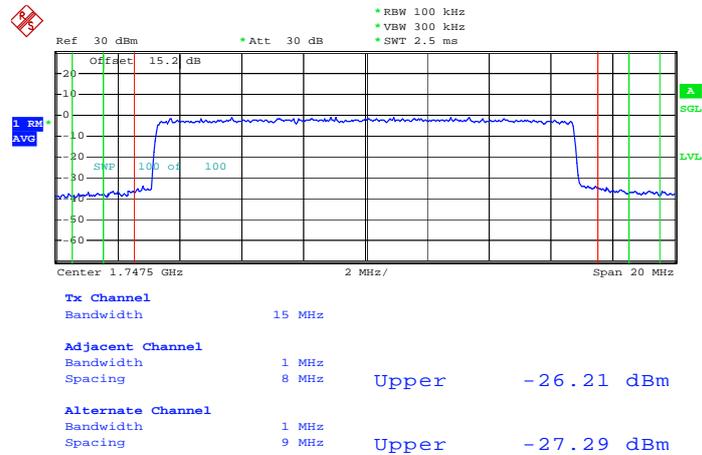


Higher Band Edge Plot for 16QAM -RB Size 1, RB Offset 74



Date: 31.JUL.2012 00:05:55

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

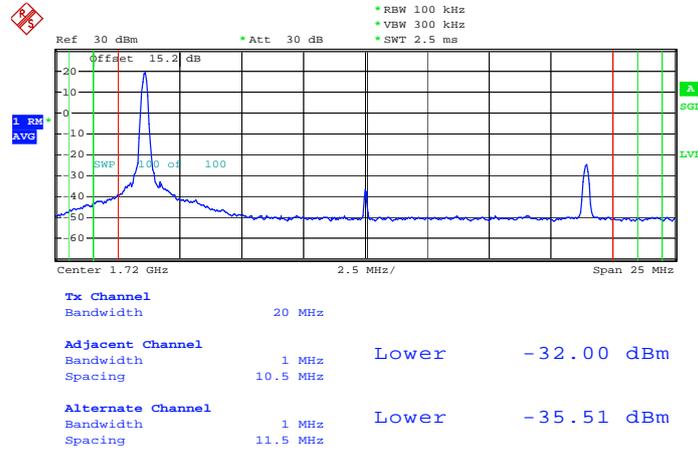


Date: 31.JUL.2012 00:06:55



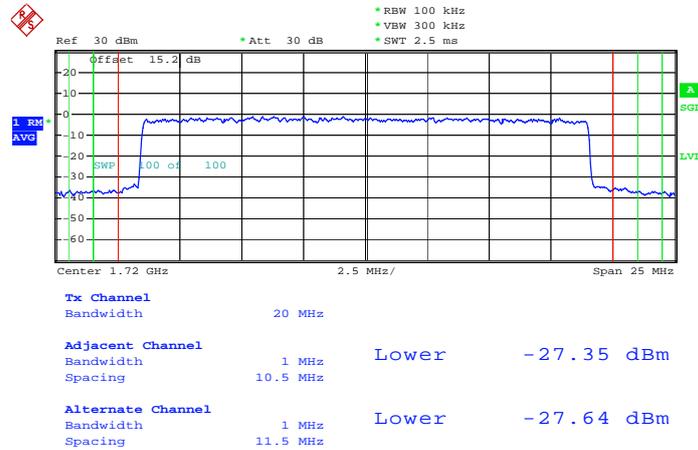
Band :	LTE Band 4	BW / Mod. :	20MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 31.JUL.2012 00:08:49

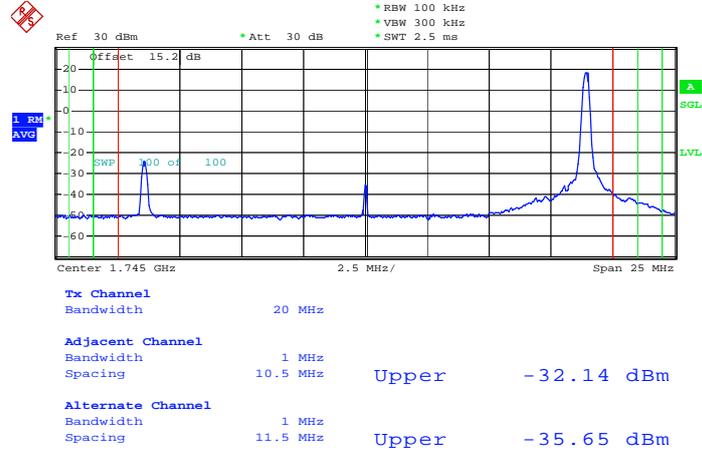
Lower Band Edge Plot for QPSK-RB Size 100, RB Offset 0



Date: 31.JUL.2012 00:09:06

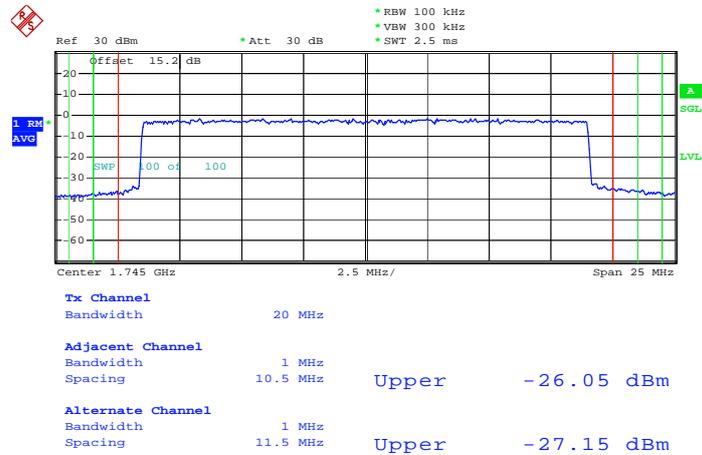


Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 99



Date: 31.JUL.2012 00:11:06

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

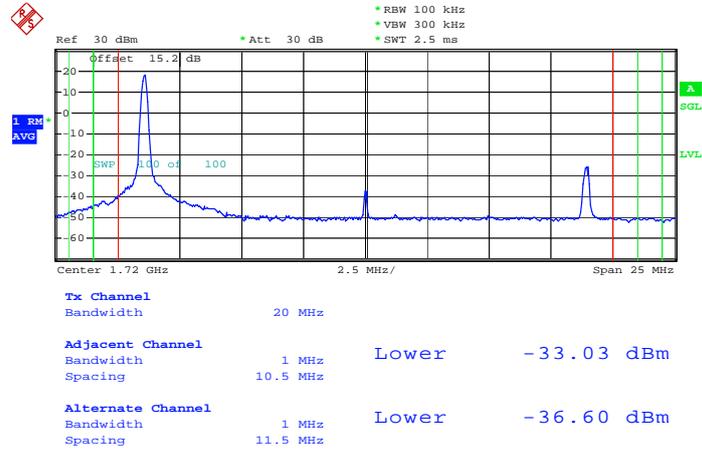


Date: 31.JUL.2012 00:27:21



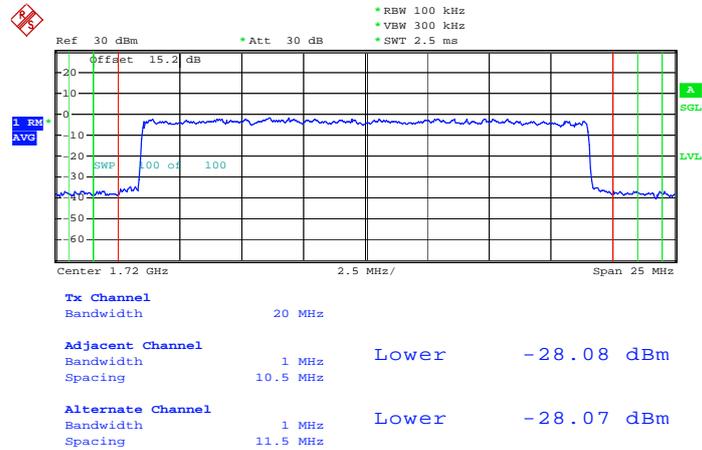
Band :	LTE Band 4	BW / Mod. :	20MHz / 16QAM
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Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



Date: 31.JUL.2012 00:08:36

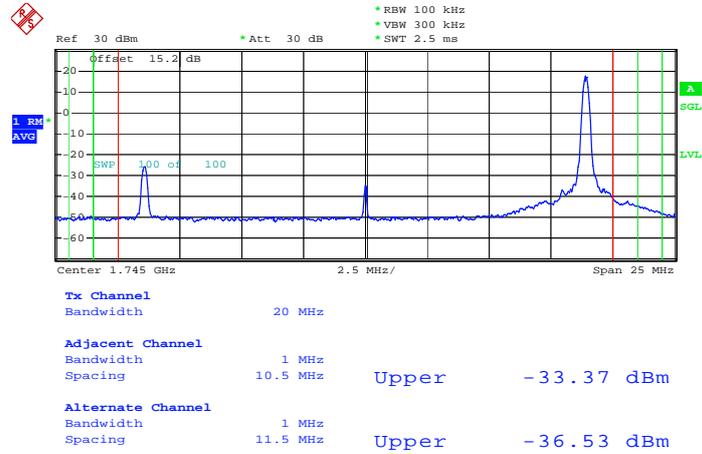
Lower Band Edge Plot for 16QAM -RB Size 100, RB Offset 0



Date: 31.JUL.2012 00:09:22

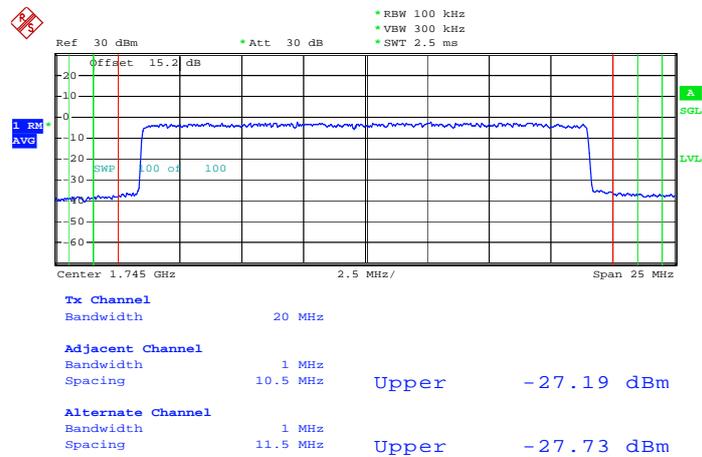


Higher Band Edge Plot for 16QAM -RB Size 1, RB Offset 99



Date: 31.JUL.2012 00:10:21

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



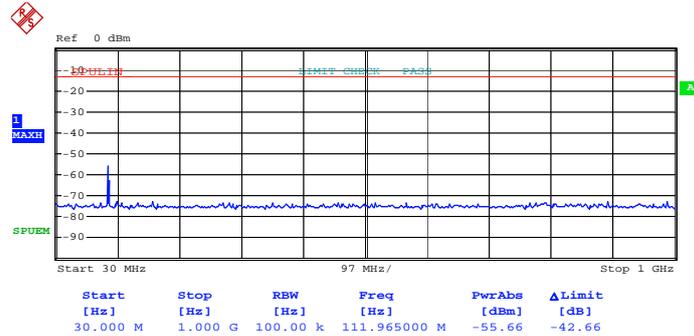
Date: 31.JUL.2012 00:27:39



3.4.6 Test Plots of Spurious Emission

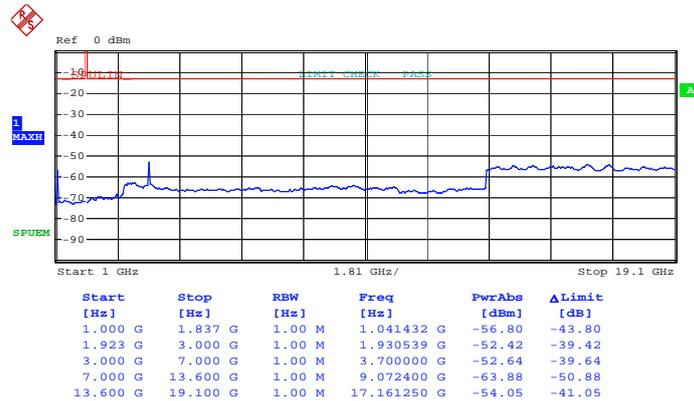
Band :	LTE Band 2	BW / Mod. :	1.4MHz / QPSK
Frequency :	1850.7	Channel :	18607

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 16:29:10

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

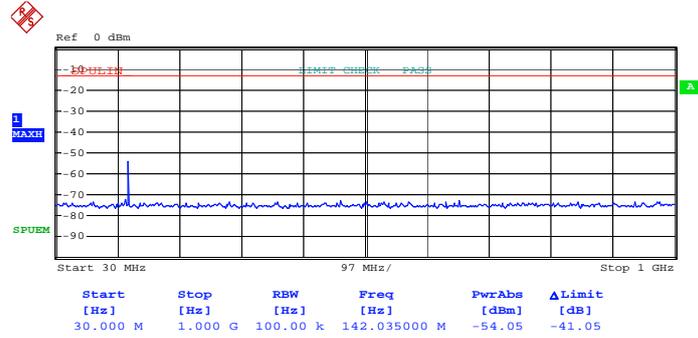


Date: 29.JUL.2012 16:28:40



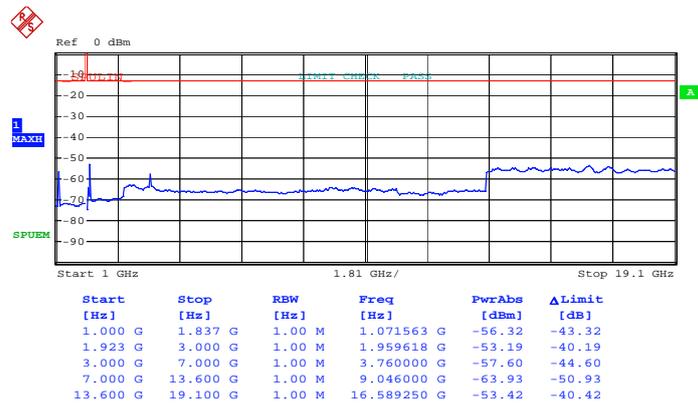
Band :	LTE Band 2	BW / Mod. :	1.4MHz / QPSK
Frequency :	1880	Channel :	18900

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 5)



Date: 29.JUL.2012 15:21:13

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 5)

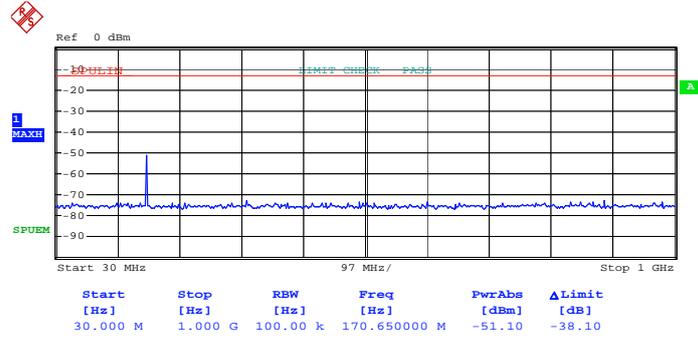


Date: 29.JUL.2012 15:25:45



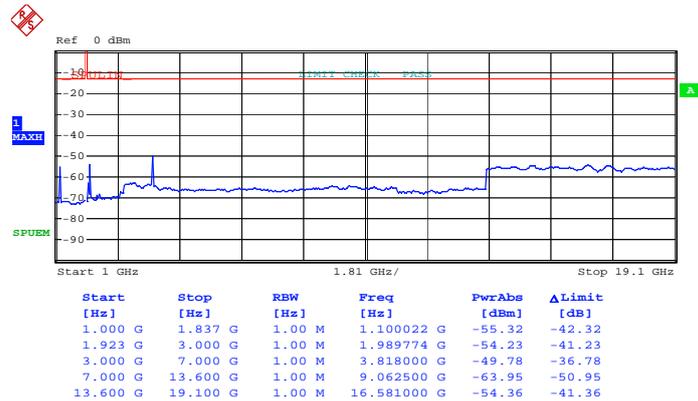
Band :	LTE Band 2	BW / Mod. :	1.4MHz / QPSK
Frequency :	1909.3	Channel :	19193

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 16:24:38

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

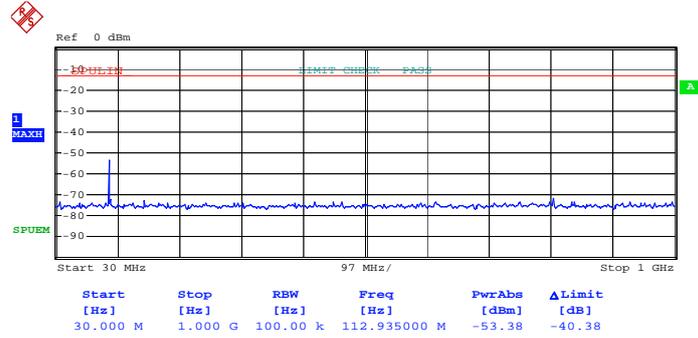


Date: 29.JUL.2012 16:25:06



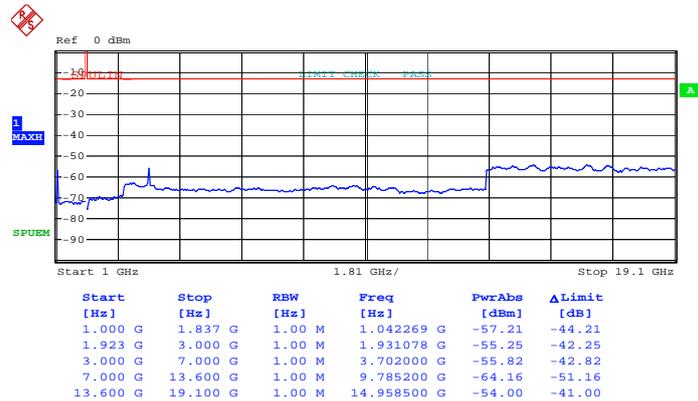
Band :	LTE Band 2	BW / Mod. :	1.4MHz / 16QAM
Frequency :	1850.7	Channel :	18607

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 5)



Date: 29.JUL.2012 16:29:43

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 5)

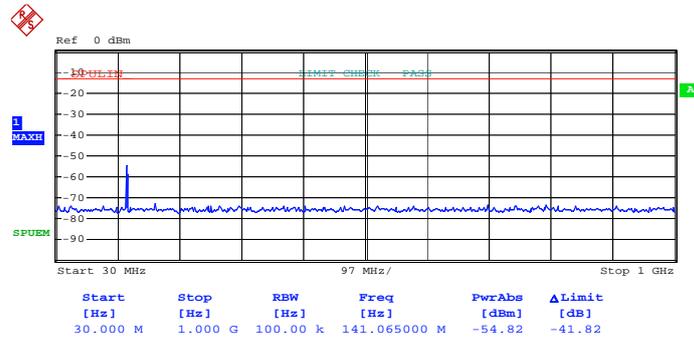


Date: 29.JUL.2012 16:30:14



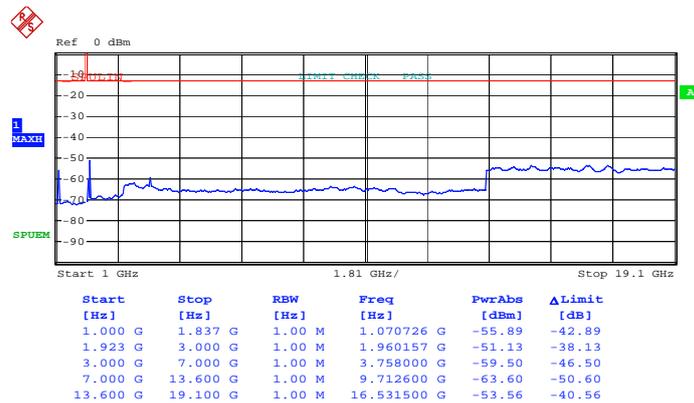
Band :	LTE Band 2	BW / Mod. :	1.4MHz / 16QAM
Frequency :	1880	Channel :	18900

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 15:21:45

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

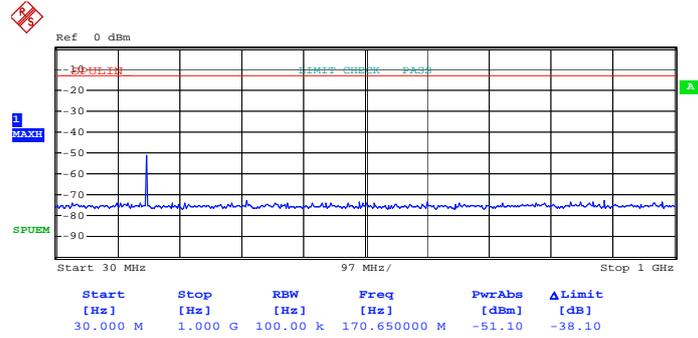


Date: 29.JUL.2012 15:25:18



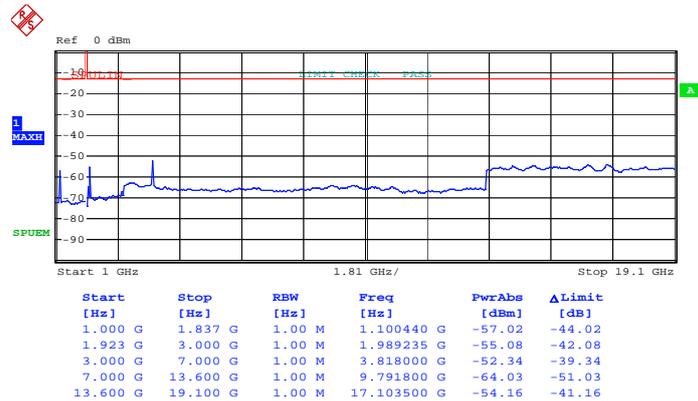
Band :	LTE Band 2	BW / Mod. :	1.4MHz / 16QAM
Frequency :	1909.3	Channel :	19193

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 3, RB Offset 2)



Date: 29.JUL.2012 16:24:38

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 3, RB Offset 2)

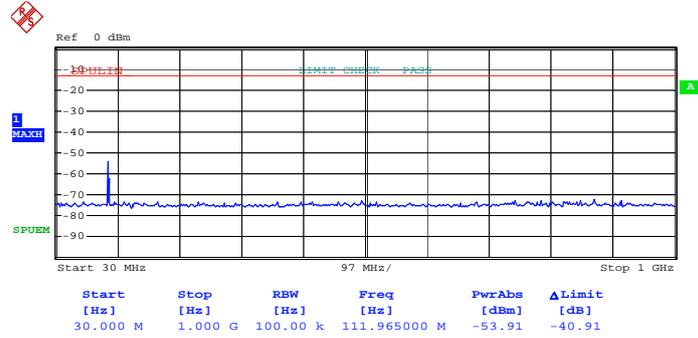


Date: 29.JUL.2012 16:26:10



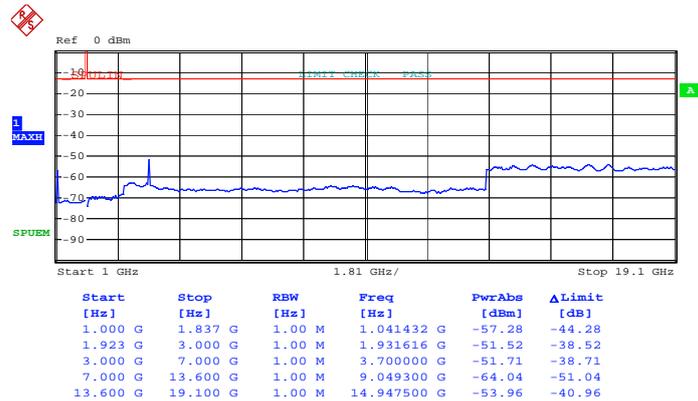
Band :	LTE Band 2	BW / Mod. :	3MHz / QPSK
Frequency :	1851.5	Channel :	18615

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 16:19:06

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

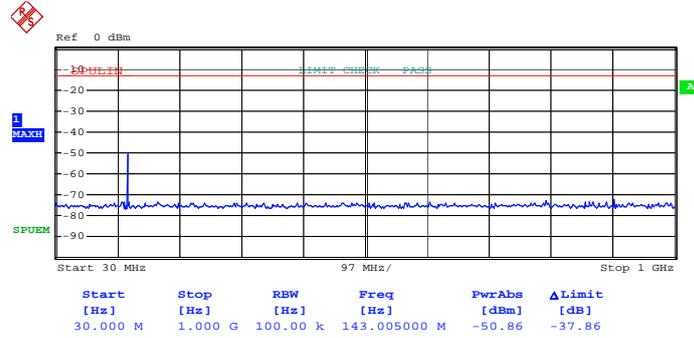


Date: 29.JUL.2012 16:20:57



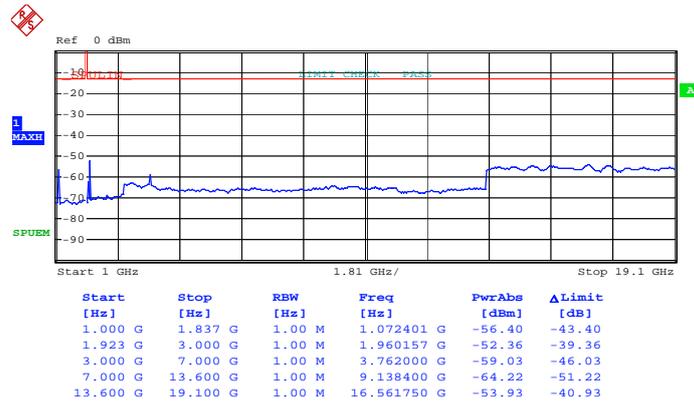
Band :	LTE Band 2	BW / Mod. :	3MHz / QPSK
Frequency :	1880	Channel :	18900

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 14)



Date: 29.JUL.2012 15:28:50

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 14)

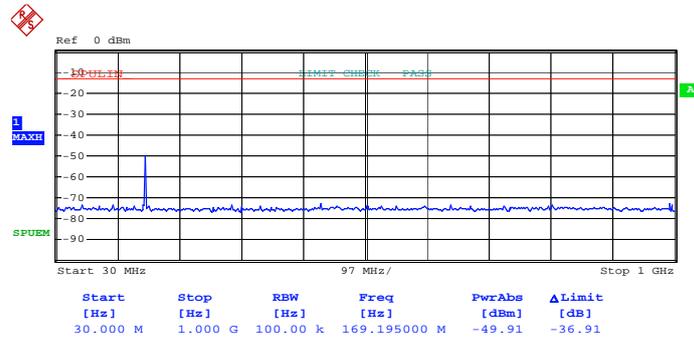


Date: 29.JUL.2012 15:26:22



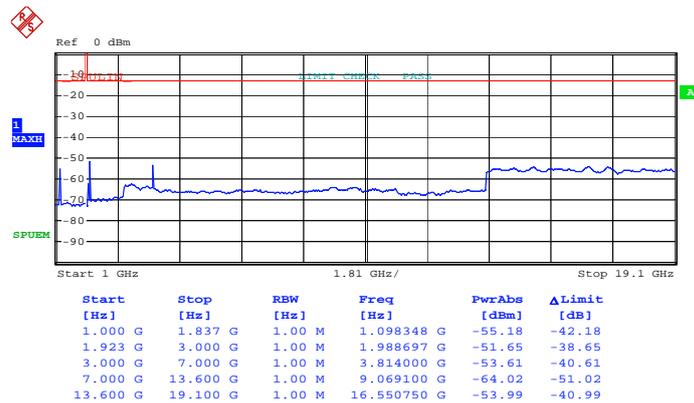
Band :	LTE Band 2	BW / Mod. :	3MHz / QPSK
Frequency :	1908.5	Channel :	19185

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 16:23:41

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

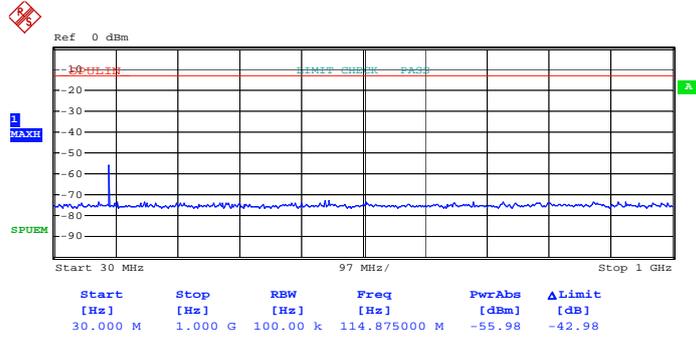


Date: 29.JUL.2012 16:22:09



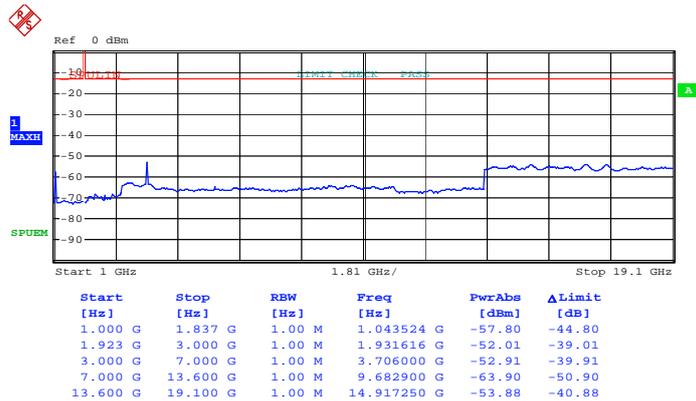
Band :	LTE Band 2	BW / Mod. :	3MHz / 16QAM
Frequency :	1851.5	Channel :	18615

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 14)



Date: 29.JUL.2012 16:18:27

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 14)

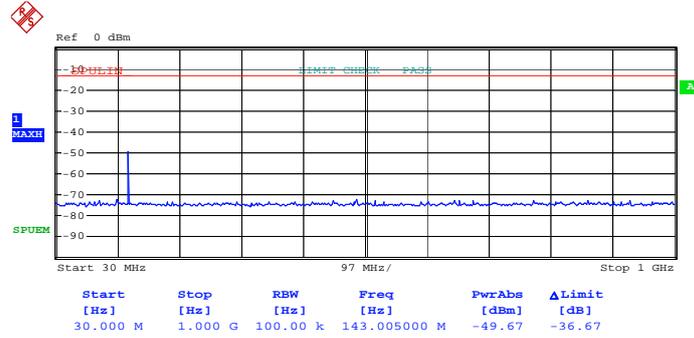


Date: 29.JUL.2012 16:18:07



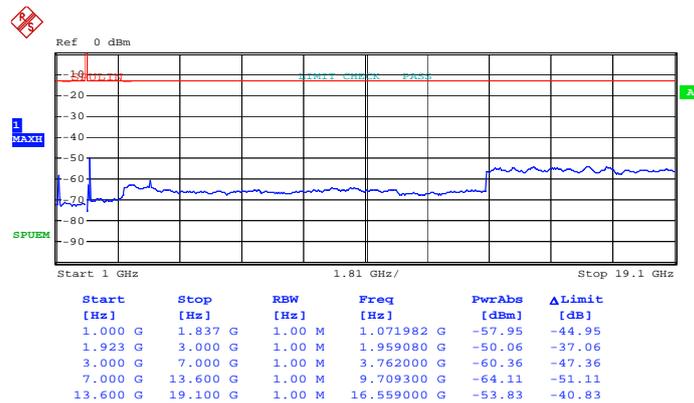
Band :	LTE Band 2	BW / Mod. :	3MHz / 16QAM
Frequency :	1880	Channel :	18900

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 14)



Date: 29.JUL.2012 15:28:20

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 14)

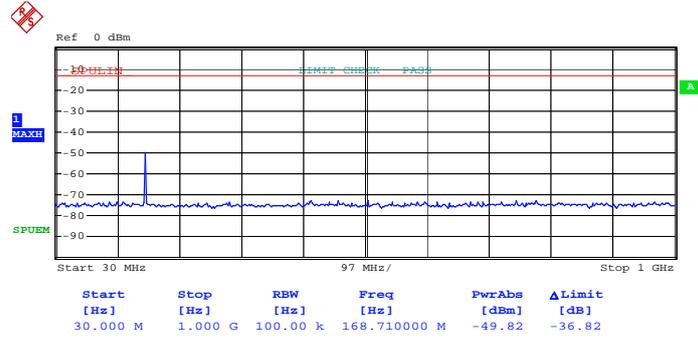


Date: 29.JUL.2012 15:27:36



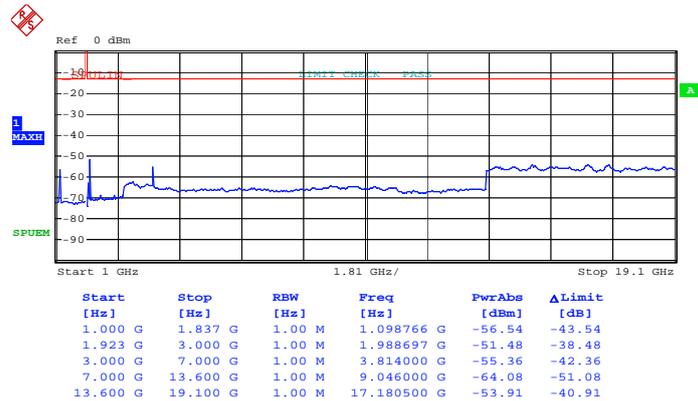
Band :	LTE Band 2	BW / Mod. :	3MHz / 16QAM
Frequency :	1908.5	Channel :	19185

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 16:23:14

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

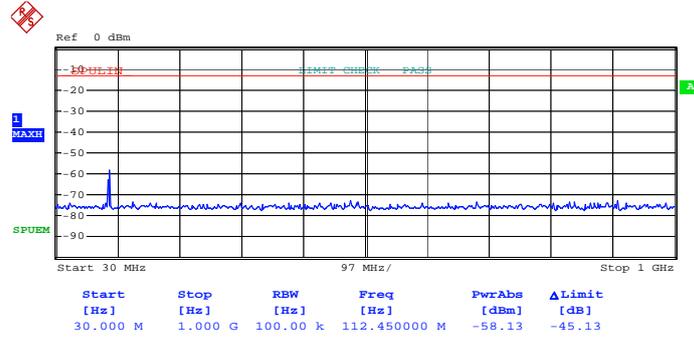


Date: 29.JUL.2012 16:22:35



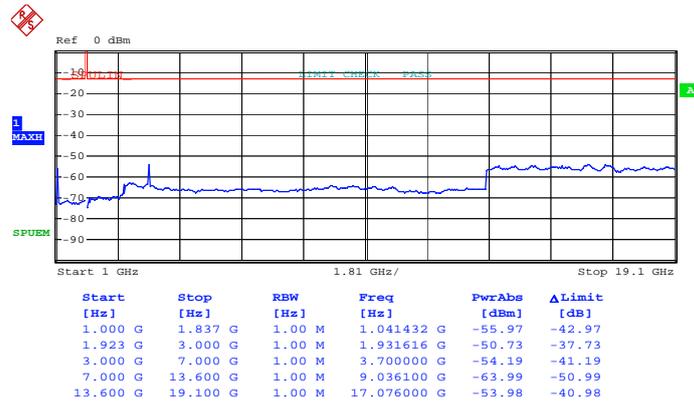
Band :	LTE Band 2	BW / Mod. :	5MHz / QPSK
Frequency :	1852.5	Channel :	18625

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 16:12:53

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

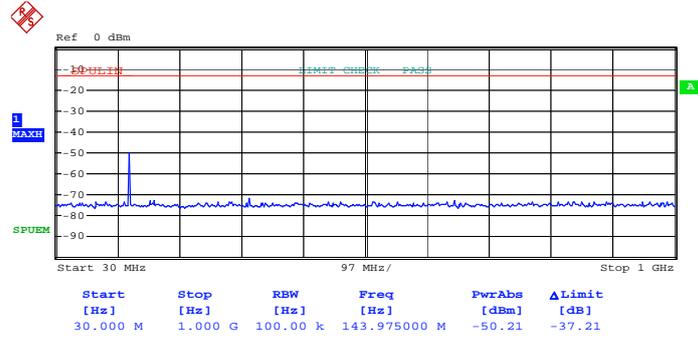


Date: 29.JUL.2012 16:13:26



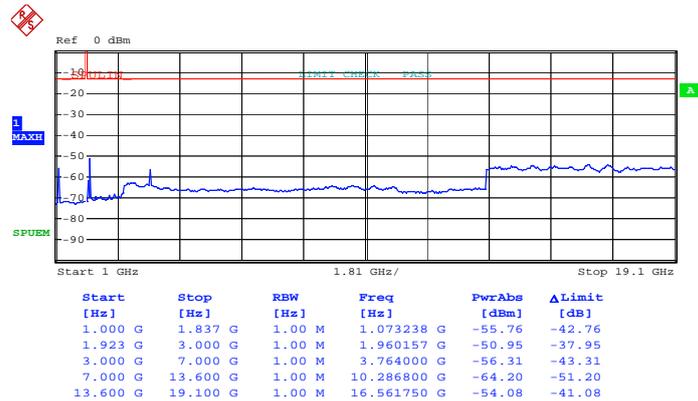
Band :	LTE Band 2	BW / Mod. :	5MHz / QPSK
Frequency :	1880	Channel :	18900

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 24)



Date: 29.JUL.2012 15:29:43

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 24)

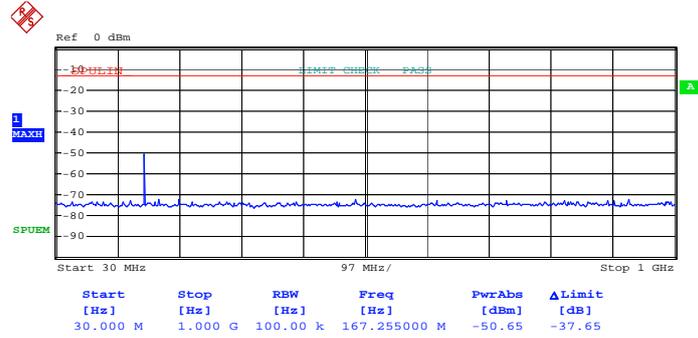


Date: 29.JUL.2012 15:31:13



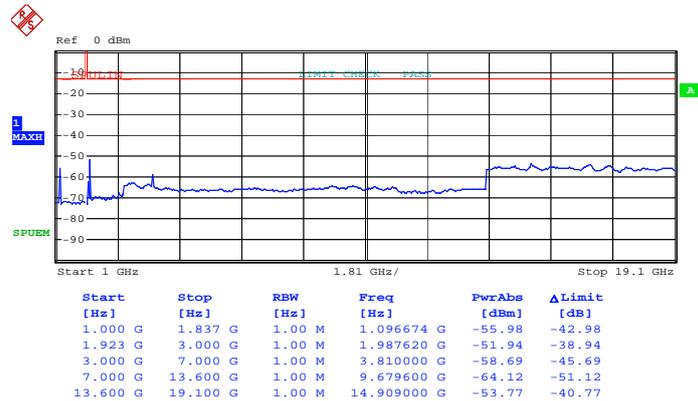
Band :	LTE Band 2	BW / Mod. :	5MHz / QPSK
Frequency :	1907.5	Channel :	19175

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 16:11:07

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

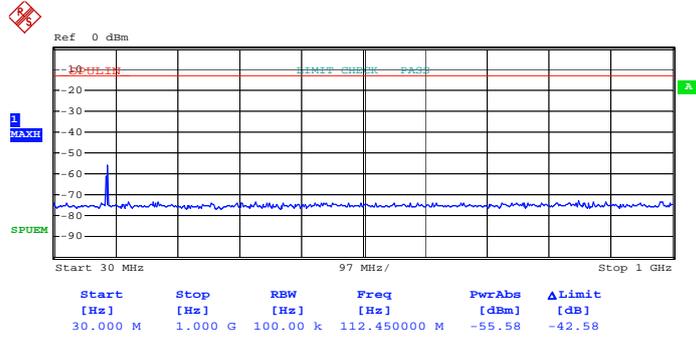


Date: 29.JUL.2012 16:10:24



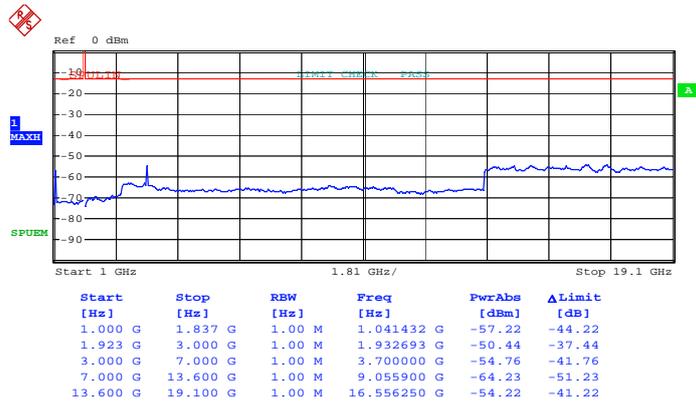
Band :	LTE Band 2	BW / Mod. :	5MHz / 16QAM
Frequency :	1852.5	Channel :	18625

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 16:12:28

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

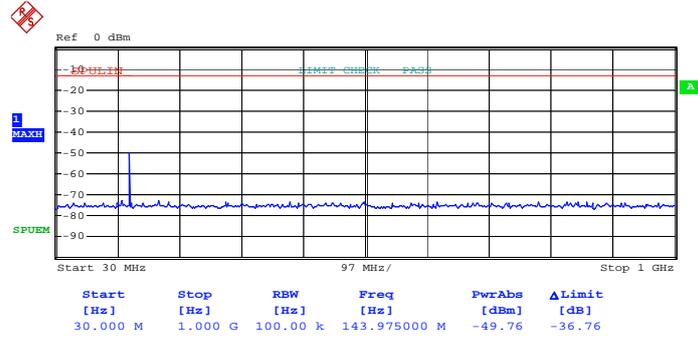


Date: 29.JUL.2012 16:13:50



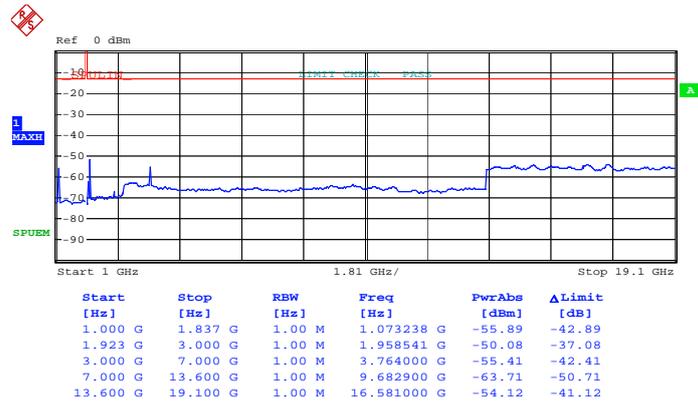
Band :	LTE Band 2	BW / Mod. :	5MHz / 16QAM
Frequency :	1880	Channel :	18900

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 24)



Date: 29.JUL.2012 15:30:13

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 24)

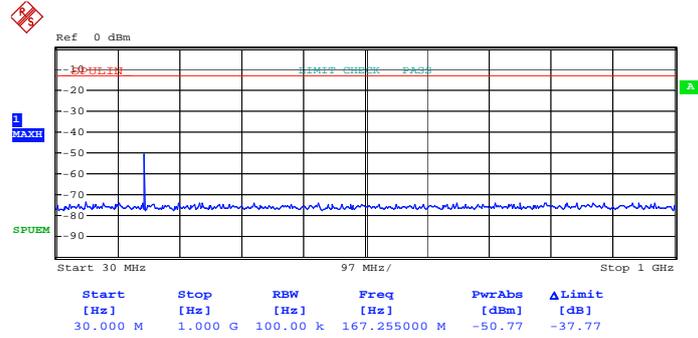


Date: 29.JUL.2012 15:30:50



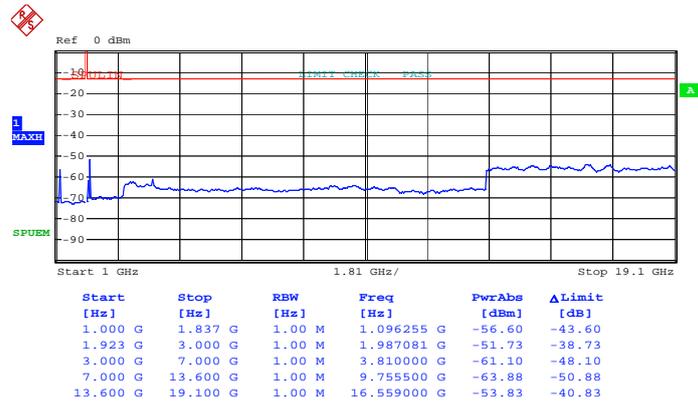
Band :	LTE Band 2	BW / Mod. :	5MHz / 16QAM
Frequency :	1907.5	Channel :	19175

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 16:11:32

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

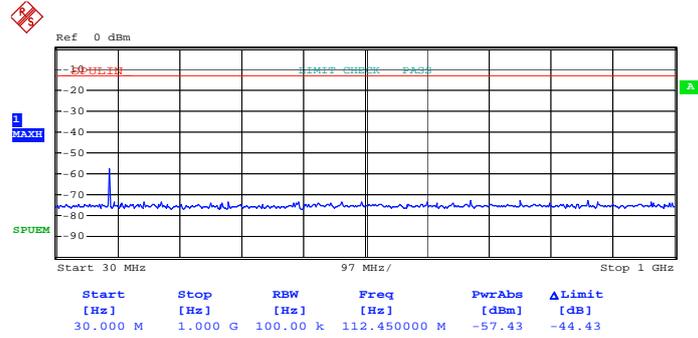


Date: 29.JUL.2012 16:09:56



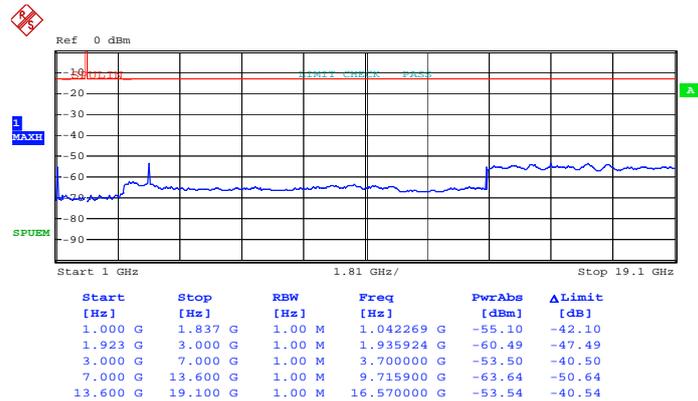
Band :	LTE Band 2	BW / Mod. :	10MHz / QPSK
Frequency :	1855	Channel :	18650

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 16:05:33

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

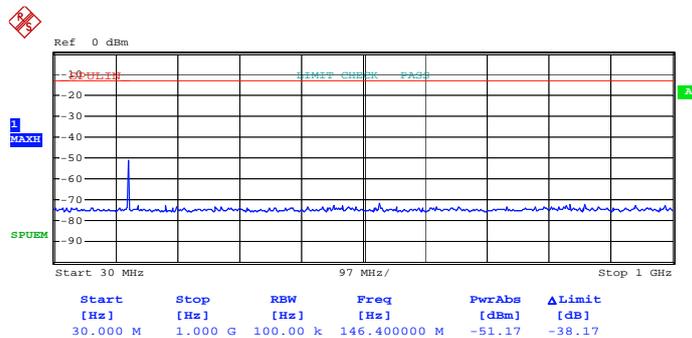


Date: 16.AUG.2012 17:31:37



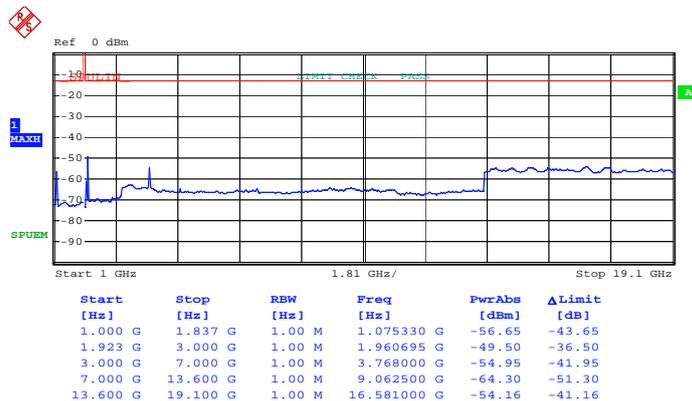
Band :	LTE Band 2	BW / Mod. :	10MHz / QPSK
Frequency :	1880	Channel :	18900

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 49)



Date: 29.JUL.2012 15:33:23

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 49)

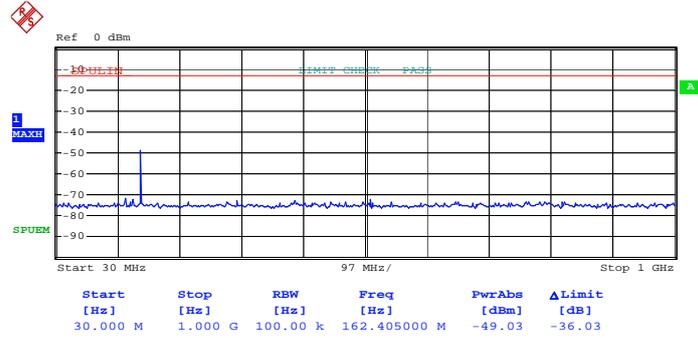


Date: 29.JUL.2012 15:31:53



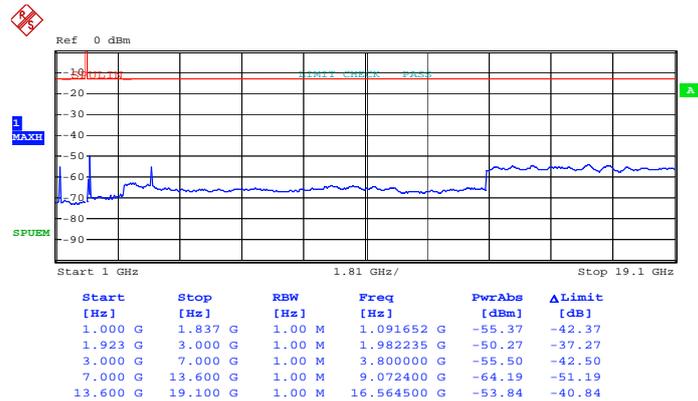
Band :	LTE Band 2	BW / Mod. :	10MHz / QPSK
Frequency :	1905	Channel :	19150

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 16:06:21

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

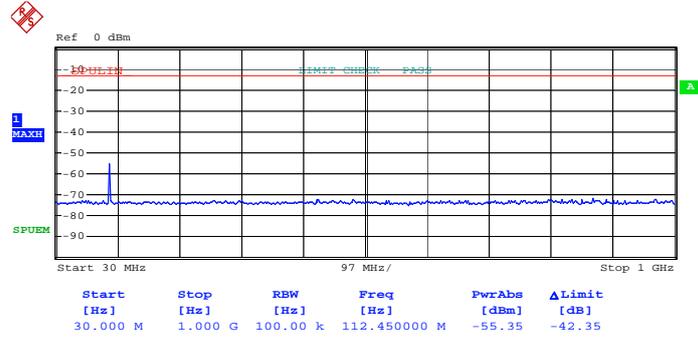


Date: 29.JUL.2012 16:06:55



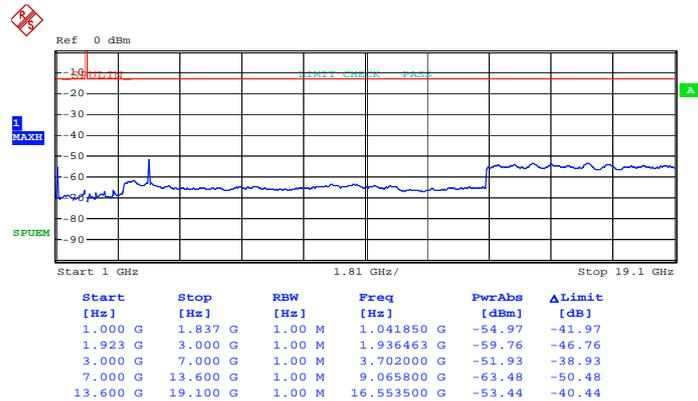
Band :	LTE Band 2	BW / Mod. :	10MHz / 16QAM
Frequency :	1855	Channel :	18650

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 16:05:14

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

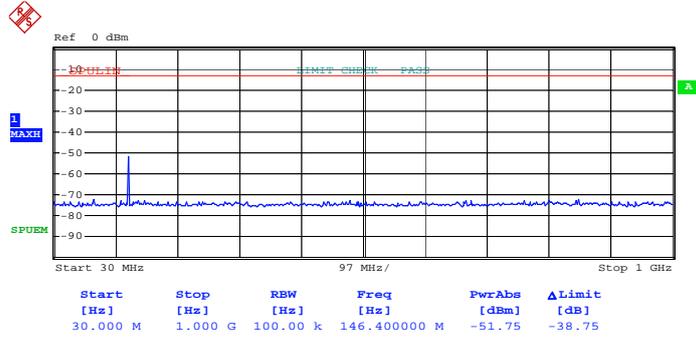


Date: 16.AUG.2012 17:22:25



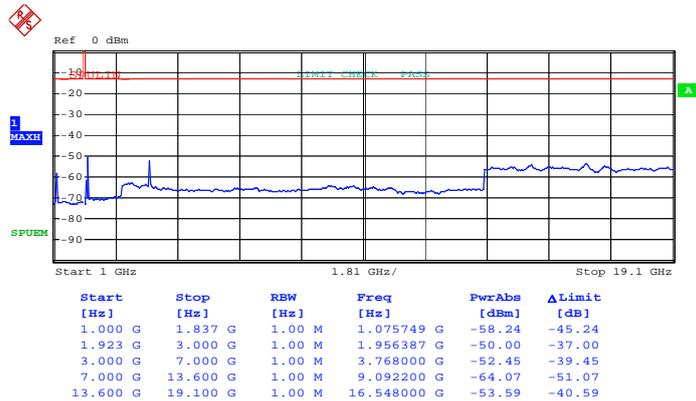
Band :	LTE Band 2	BW / Mod. :	10MHz / 16QAM
Frequency :	1880	Channel :	18900

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 49)



Date: 29.JUL.2012 15:32:53

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 49)

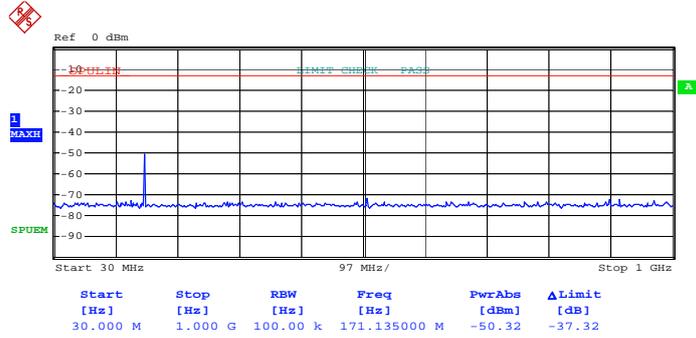


Date: 29.JUL.2012 15:32:14



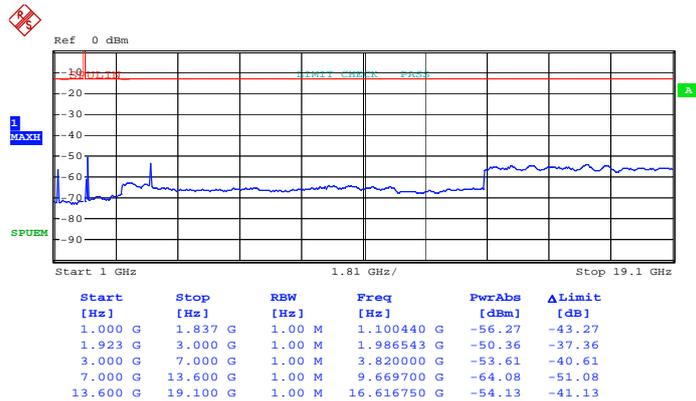
Band :	LTE Band 2	BW / Mod. :	10MHz / 16QAM
Frequency :	1905	Channel :	19150

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 49)



Date: 29.JUL.2012 16:08:15

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 49)

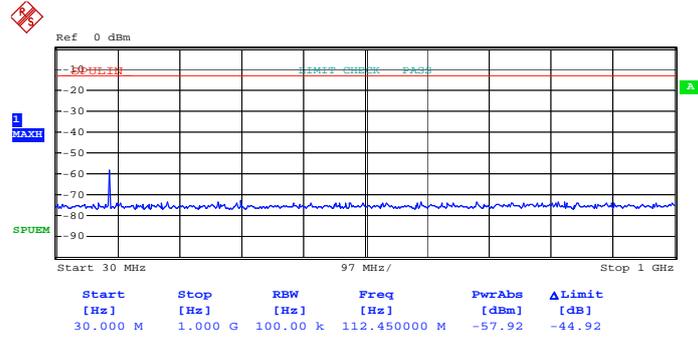


Date: 29.JUL.2012 16:07:36



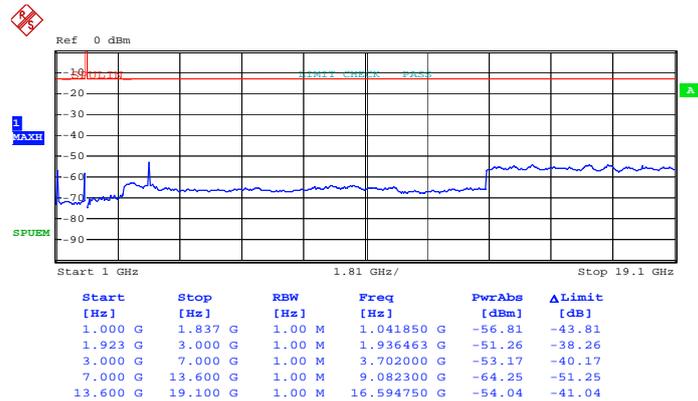
Band :	LTE Band 2	BW / Mod. :	15MHz / QPSK
Frequency :	1857.5	Channel :	18675

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 16:00:03

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

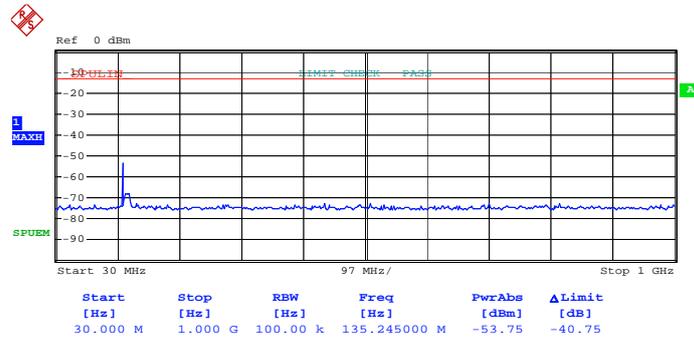


Date: 29.JUL.2012 16:01:10



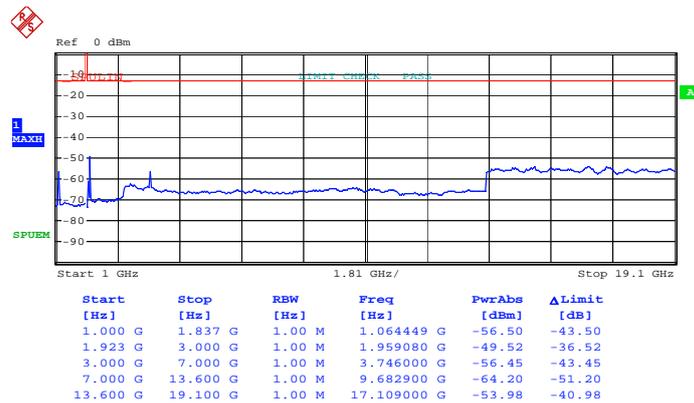
Band :	LTE Band 2	BW / Mod. :	15MHz / QPSK
Frequency :	1880	Channel :	18900

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 15:34:34

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

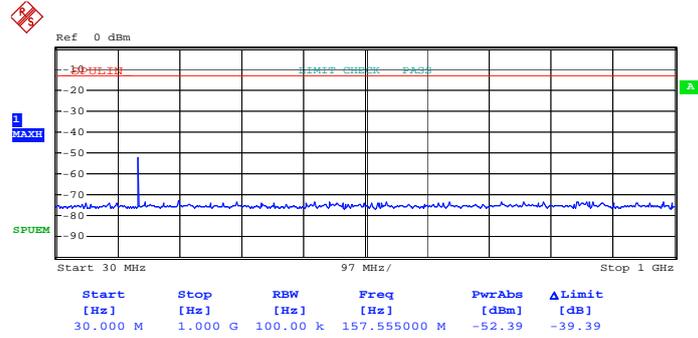


Date: 29.JUL.2012 15:36:17



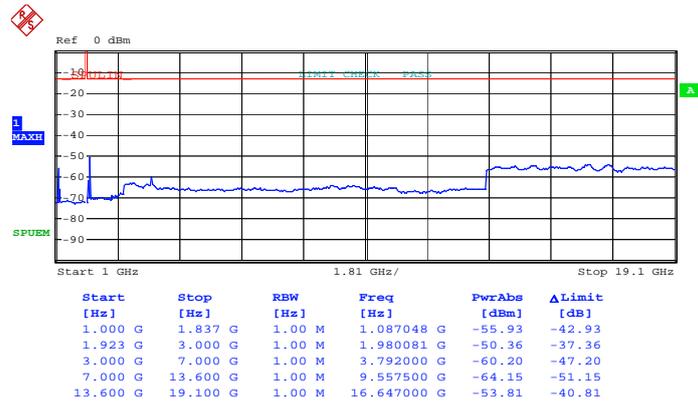
Band :	LTE Band 2	BW / Mod. :	15MHz / QPSK
Frequency :	1902.5	Channel :	19125

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 15:59:09

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

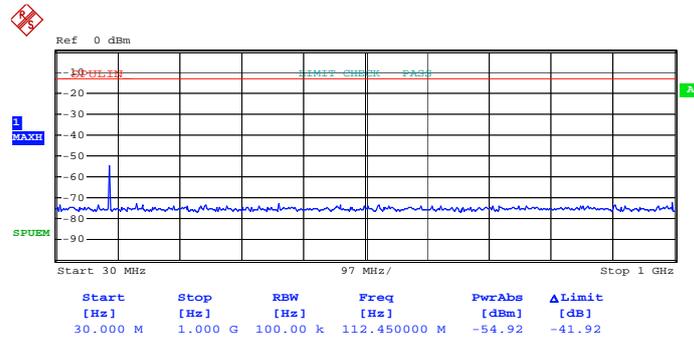


Date: 29.JUL.2012 15:58:03



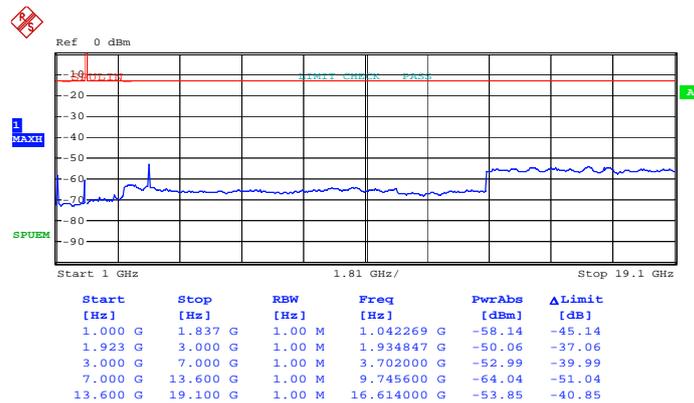
Band :	LTE Band 2	BW / Mod. :	15MHz / 16QAM
Frequency :	1857.5	Channel :	18675

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 16:00:24

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

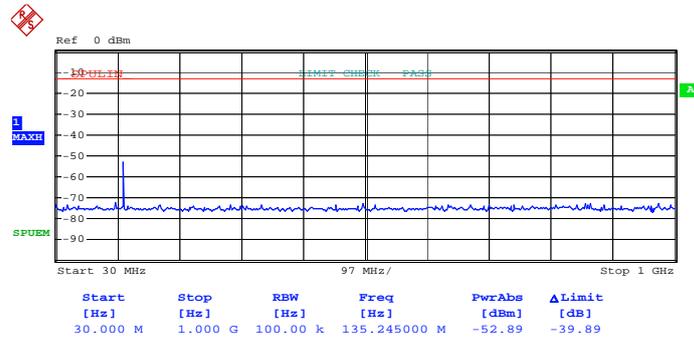


Date: 29.JUL.2012 16:00:53



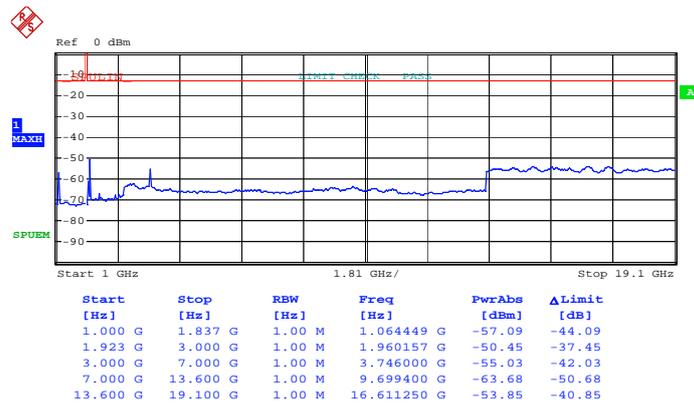
Band :	LTE Band 2	BW / Mod. :	15MHz / 16QAM
Frequency :	1880	Channel :	18900

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 15:35:04

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

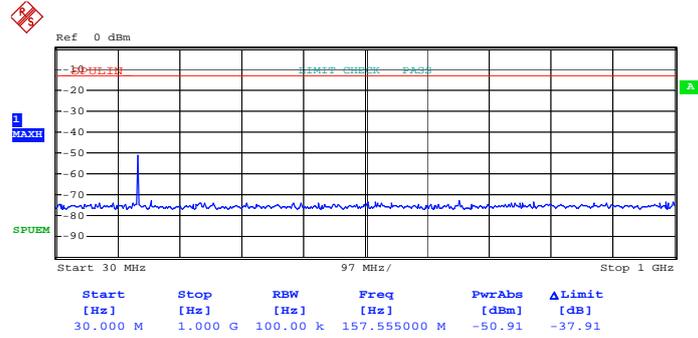


Date: 29.JUL.2012 15:35:55



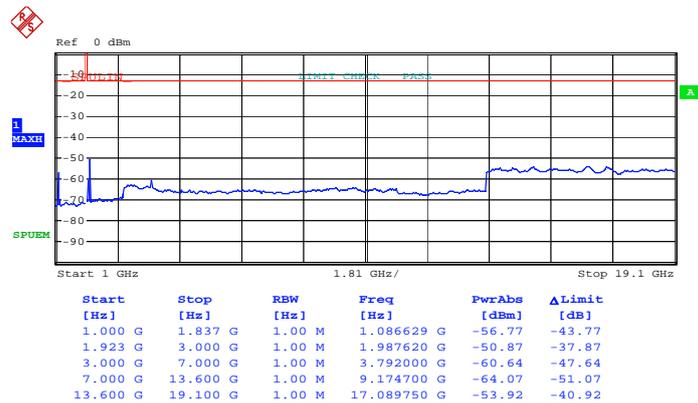
Band :	LTE Band 2	BW / Mod. :	15MHz / 16QAM
Frequency :	1902.5	Channel :	19125

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 15:58:50

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

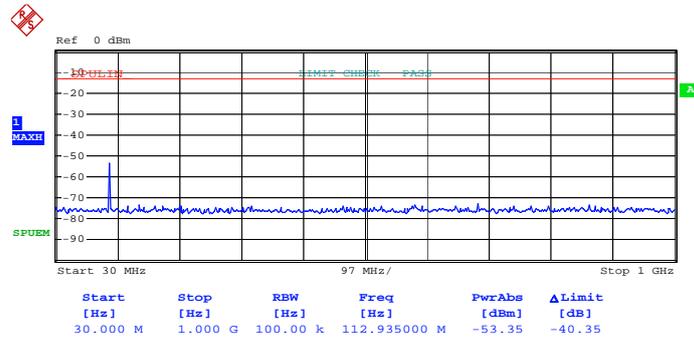


Date: 29.JUL.2012 15:58:28



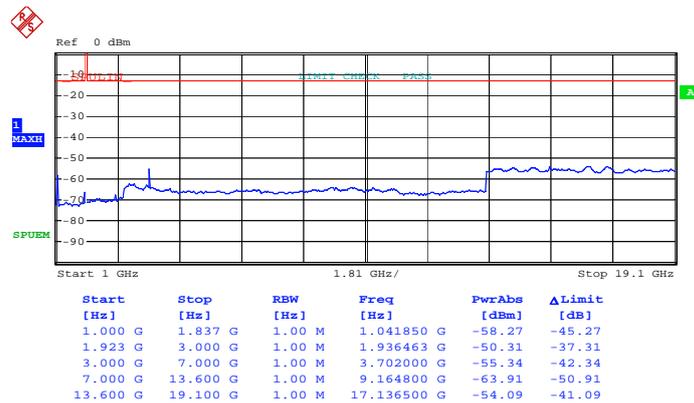
Band :	LTE Band 2	BW / Mod. :	20MHz / QPSK
Frequency :	1860	Channel :	18700

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 15:53:50

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

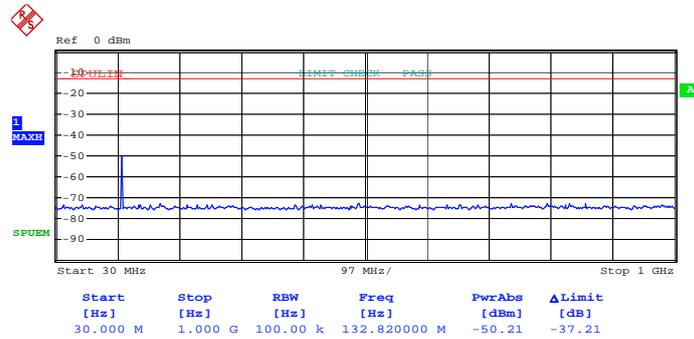


Date: 29.JUL.2012 15:51:54



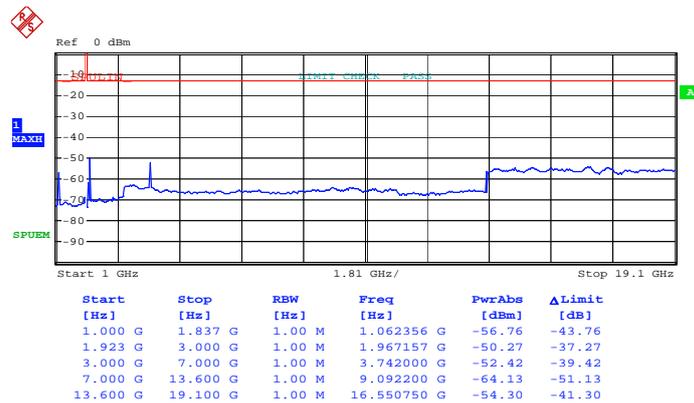
Band :	LTE Band 2	BW / Mod. :	20MHz / QPSK
Frequency :	1880	Channel :	18900

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 15:38:10

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

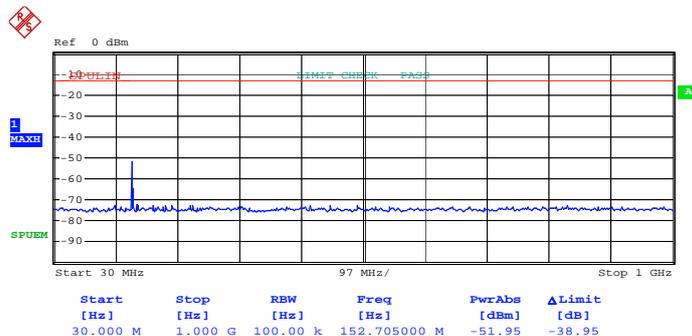


Date: 29.JUL.2012 15:37:28



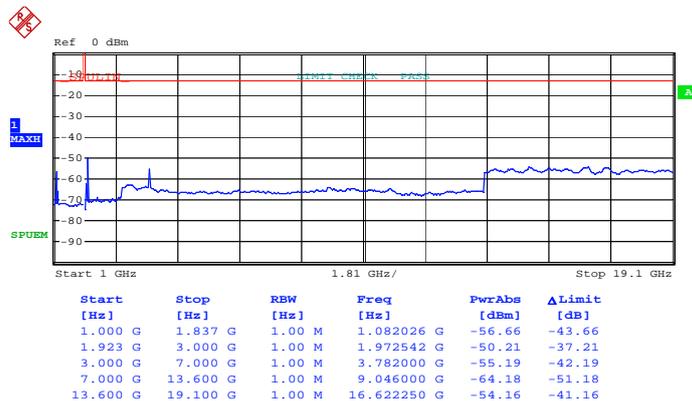
Band :	LTE Band 2	BW / Mod. :	20MHz / QPSK
Frequency :	1900	Channel :	19100

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 15:55:11

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

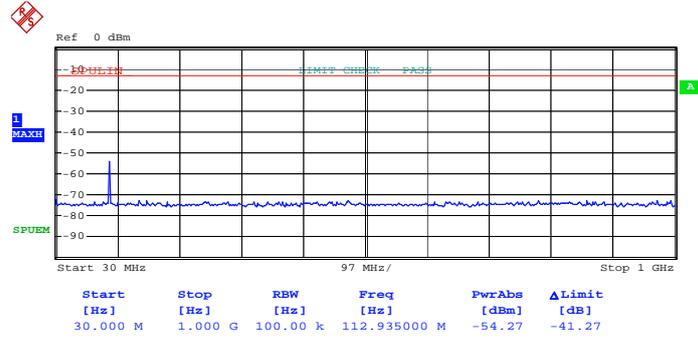


Date: 29.JUL.2012 15:56:41



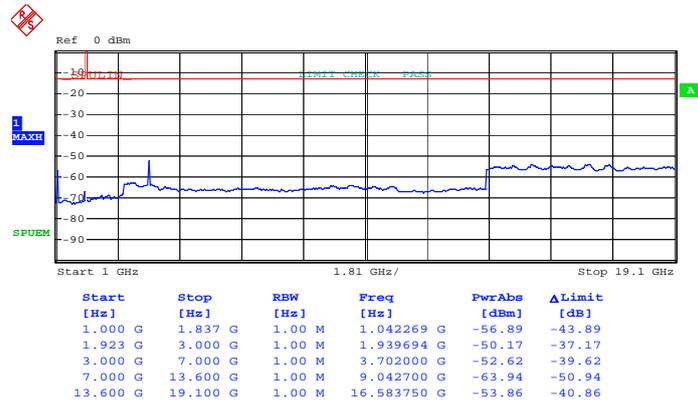
Band :	LTE Band 2	BW / Mod. :	20MHz / 16QAM
Frequency :	1860	Channel :	18700

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 15:53:23

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

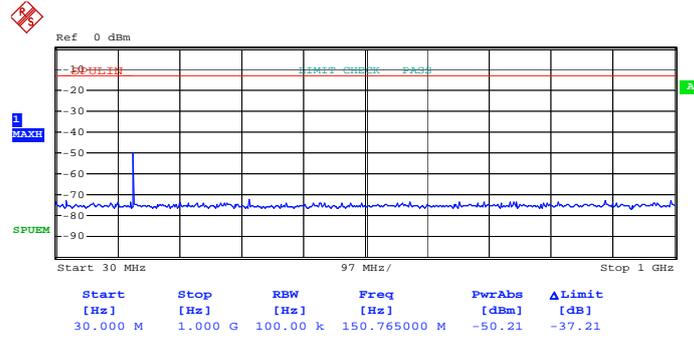


Date: 29.JUL.2012 15:52:20



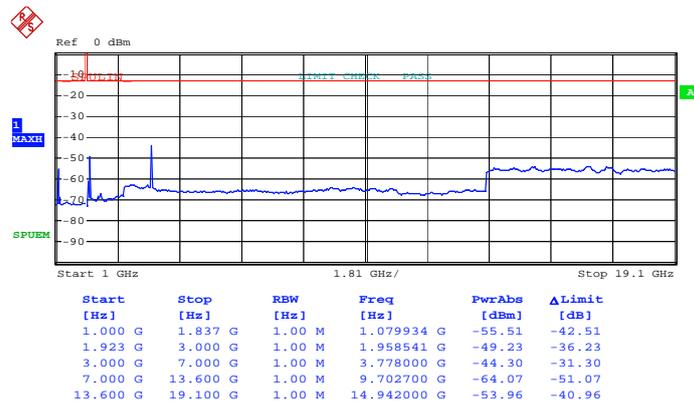
Band :	LTE Band 2	BW / Mod. :	20MHz / 16QAM
Frequency :	1880	Channel :	18900

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 99)



Date: 29.JUL.2012 15:38:40

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 99)

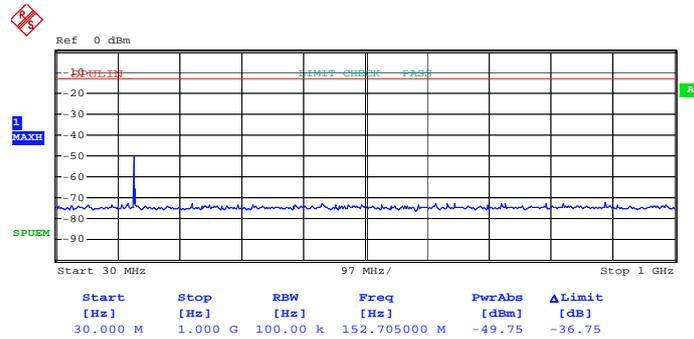


Date: 29.JUL.2012 15:39:18



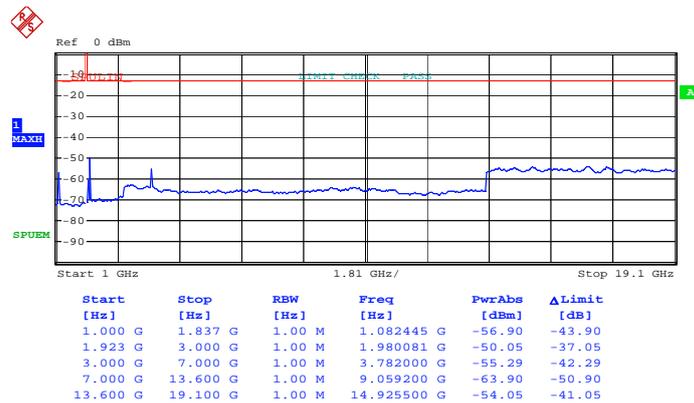
Band :	LTE Band 2	BW / Mod. :	20MHz / 16QAM
Frequency :	1900	Channel :	19100

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 15:55:50

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

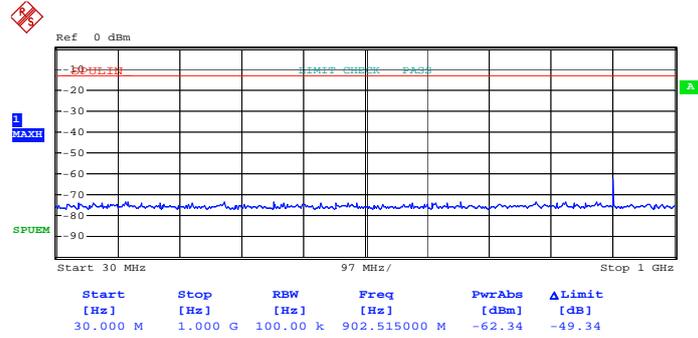


Date: 29.JUL.2012 15:56:20



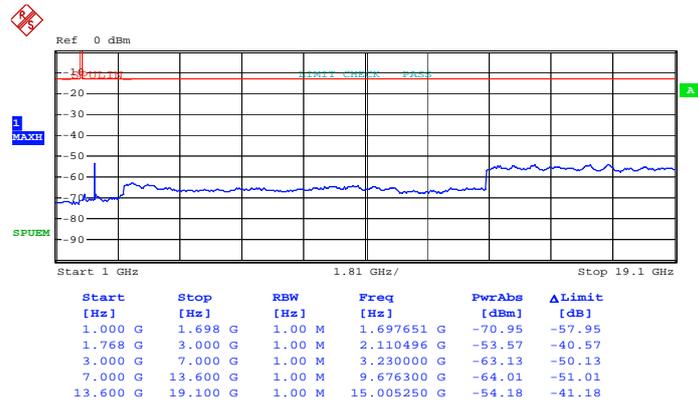
Band :	LTE Band 4	BW / Mod. :	1.4MHz / QPSK
Frequency :	1710.7	Channel :	19957

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 5)



Date: 29.JUL.2012 17:30:18

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 5)

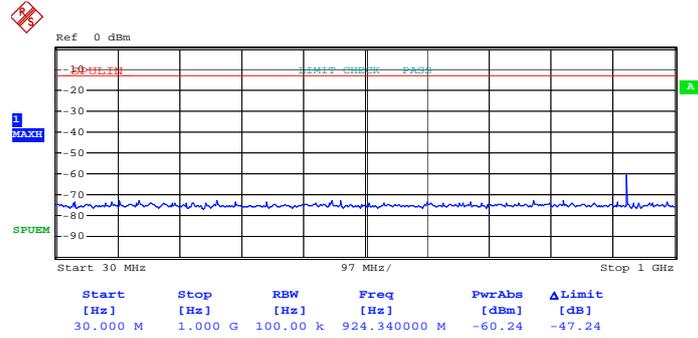


Date: 29.JUL.2012 17:30:44



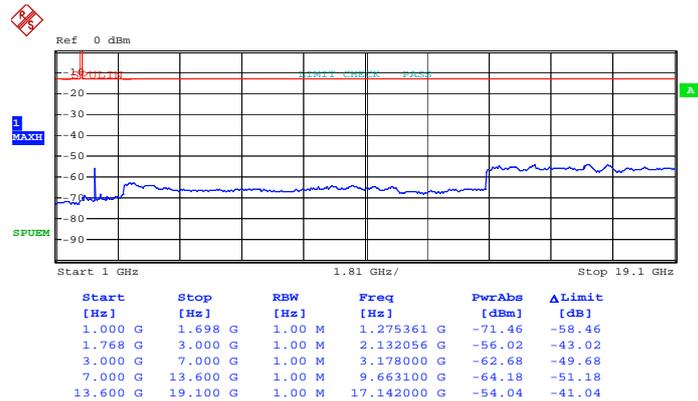
Band :	LTE Band 4	BW / Mod. :	1.4MHz / QPSK
Frequency :	1732.5	Channel :	20175

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 5)



Date: 29.JUL.2012 16:36:11

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 5)

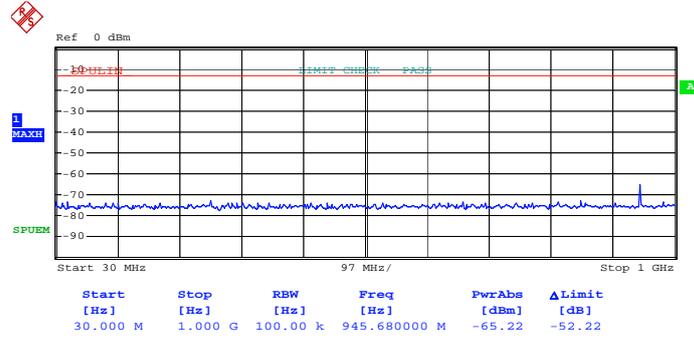


Date: 29.JUL.2012 16:35:48



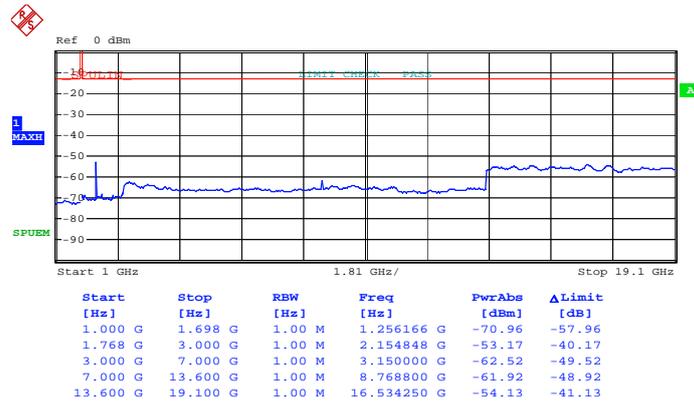
Band :	LTE Band 4	BW / Mod. :	1.4MHz / QPSK
Frequency :	1754.3	Channel :	20393

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 17:29:27

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

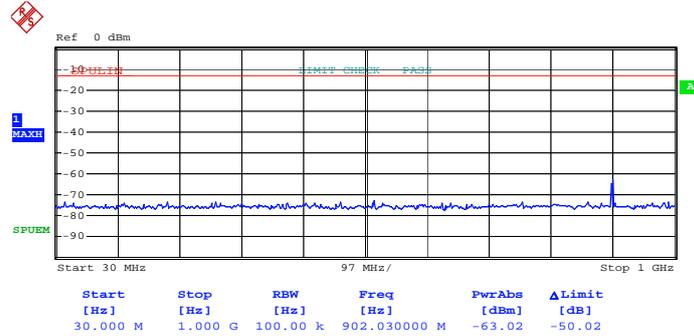


Date: 29.JUL.2012 17:29:02



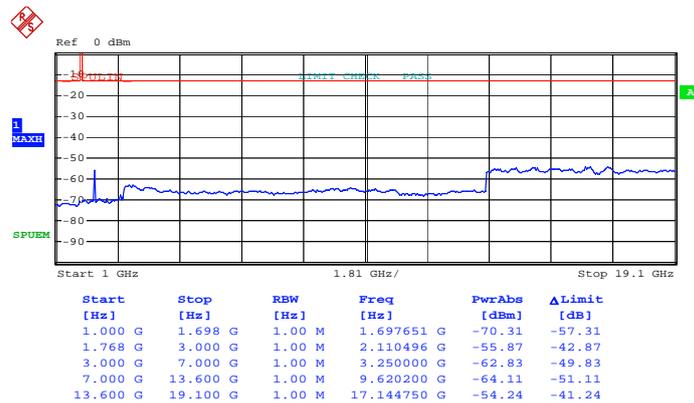
Band :	LTE Band 4	BW / Mod. :	1.4MHz / 16QAM
Frequency :	1710.7	Channel :	19957

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 17:31:25

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

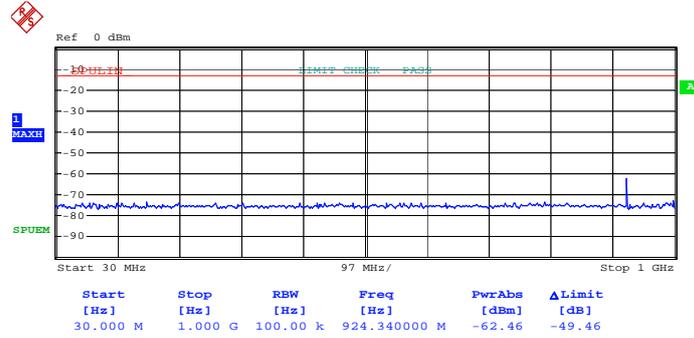


Date: 29.JUL.2012 17:31:08



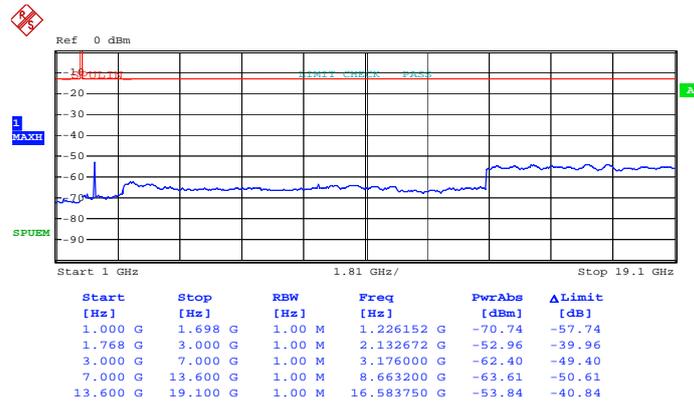
Band :	LTE Band 4	BW / Mod. :	1.4MHz / 16QAM
Frequency :	1732.5	Channel :	20175

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 5)



Date: 29.JUL.2012 16:36:29

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 5)

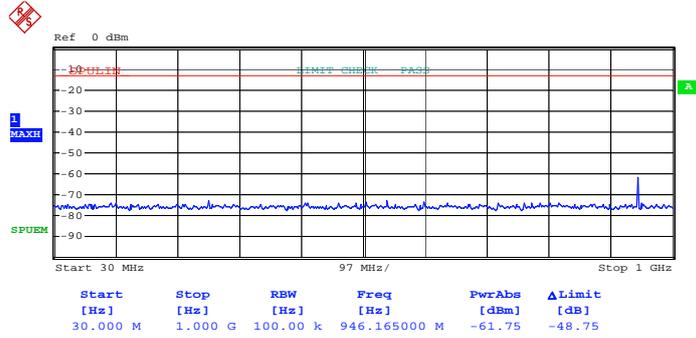


Date: 29.JUL.2012 16:35:31



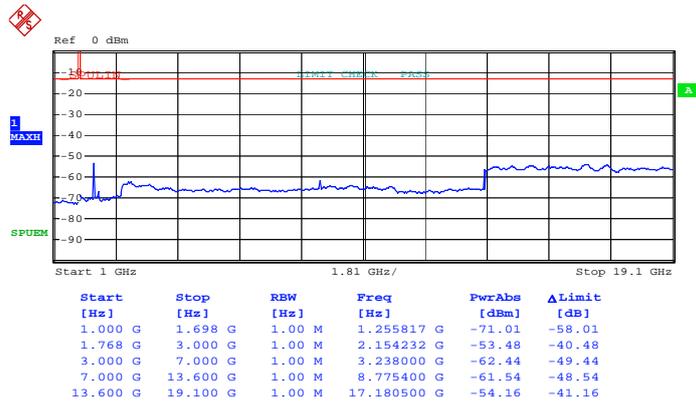
Band :	LTE Band 4	BW / Mod. :	1.4MHz / 16QAM
Frequency :	1754.3	Channel :	20393

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 5)



Date: 29.JUL.2012 17:28:11

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 5)

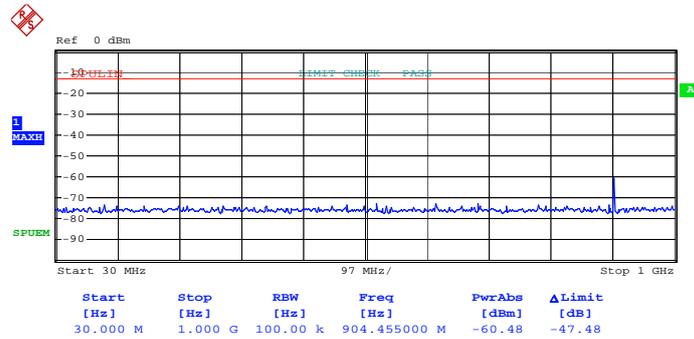


Date: 29.JUL.2012 17:28:34



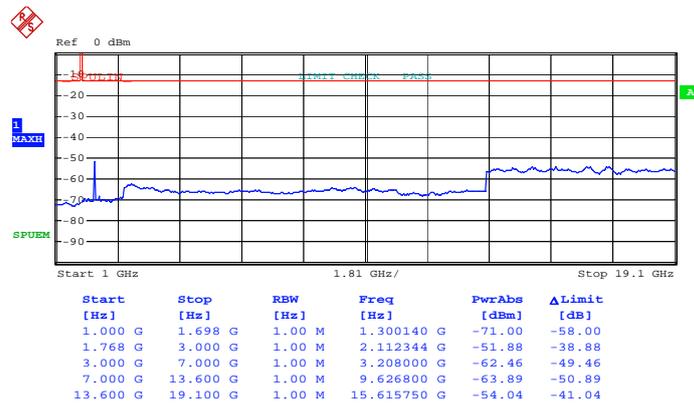
Band :	LTE Band 4	BW / Mod. :	3MHz / QPSK
Frequency :	1711.5	Channel :	19965

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 14)



Date: 29.JUL.2012 17:23:47

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 14)

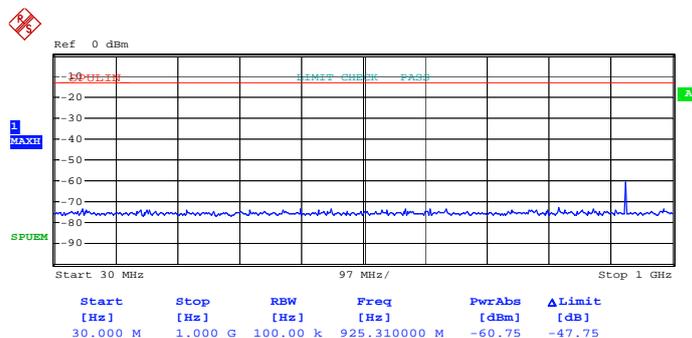


Date: 29.JUL.2012 17:24:14



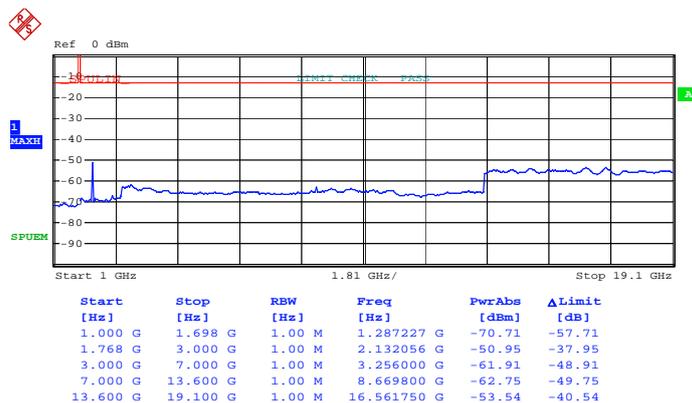
Band :	LTE Band 4	BW / Mod. :	3MHz / QPSK
Frequency :	1732.5	Channel :	20175

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 14)



Date: 29.JUL.2012 16:38:00

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 14)

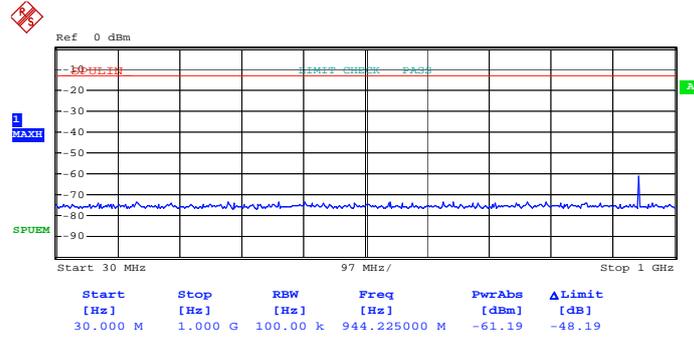


Date: 29.JUL.2012 16:40:17



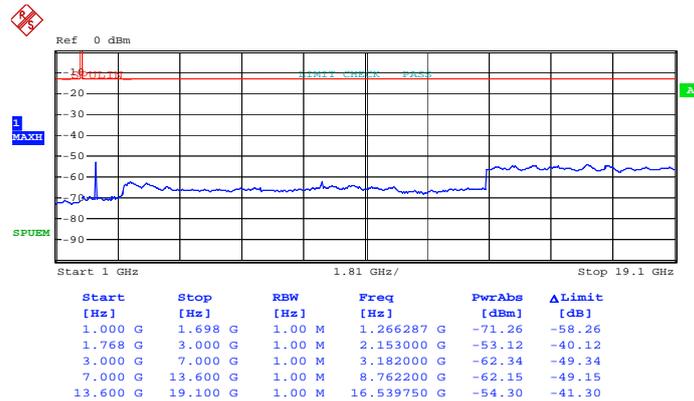
Band :	LTE Band 4	BW / Mod. :	3MHz / QPSK
Frequency :	1753.5	Channel :	20385

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 17:26:41

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

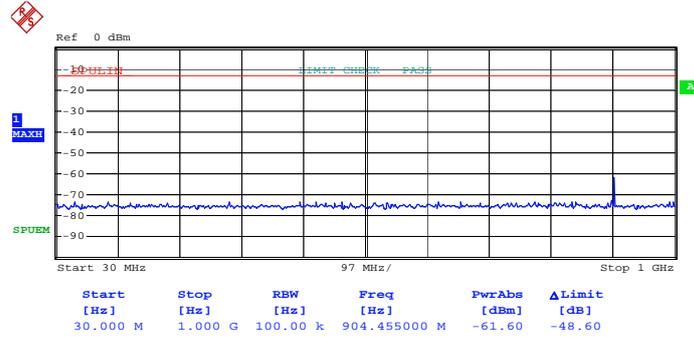


Date: 29.JUL.2012 17:26:10



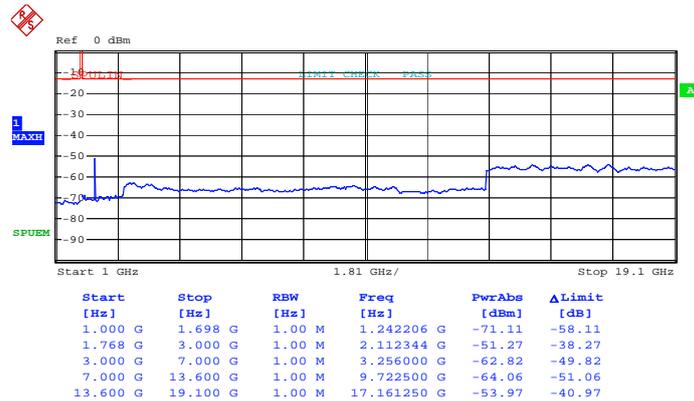
Band :	LTE Band 4	BW / Mod. :	3MHz / 16QAM
Frequency :	1711.5	Channel :	19965

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 14)



Date: 29.JUL.2012 17:23:32

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 14)

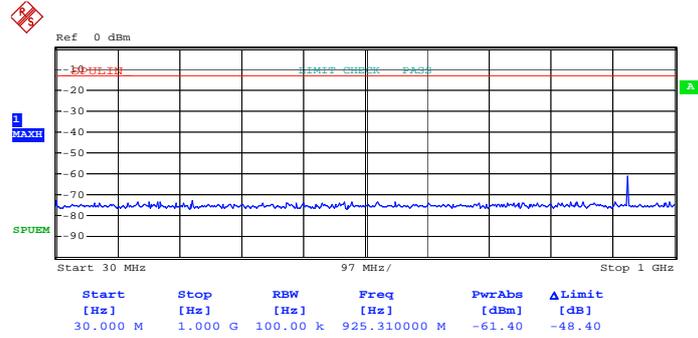


Date: 29.JUL.2012 17:24:36



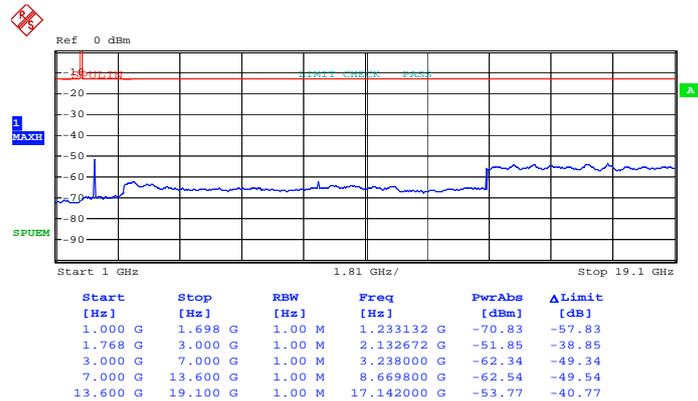
Band :	LTE Band 4	BW / Mod. :	3MHz / 16QAM
Frequency :	1732.5	Channel :	20175

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 14)



Date: 29.JUL.2012 16:37:39

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 14)

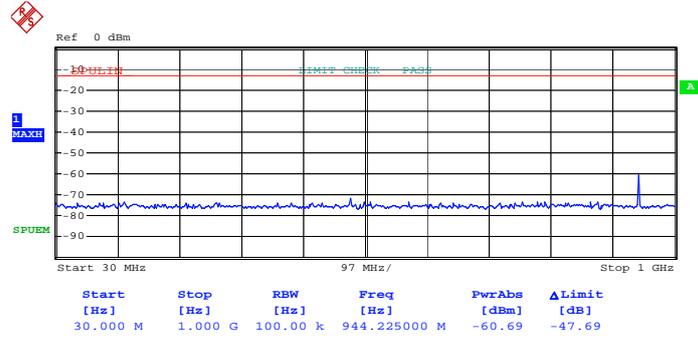


Date: 29.JUL.2012 16:41:02



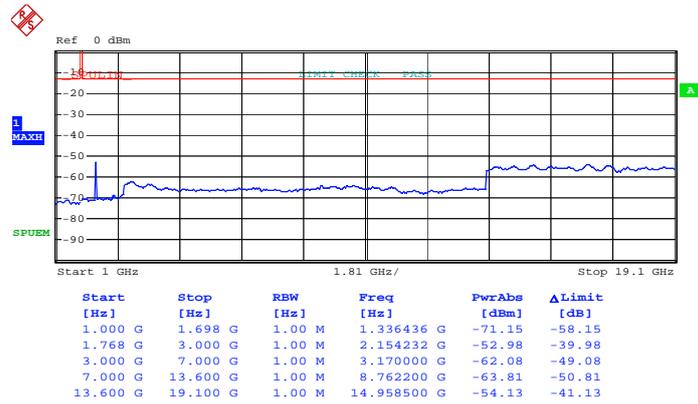
Band :	LTE Band 4	BW / Mod. :	3MHz / 16QAM
Frequency :	1753.5	Channel :	20385

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 17:27:12

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

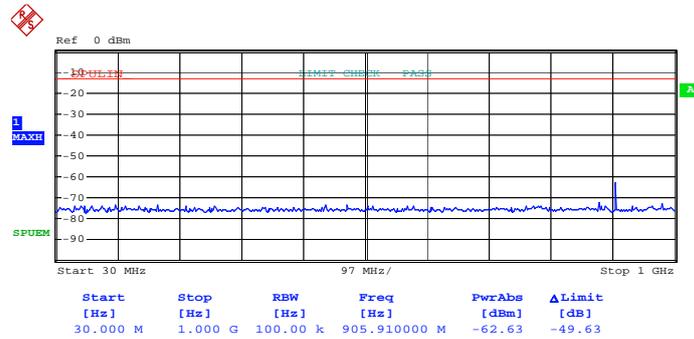


Date: 29.JUL.2012 17:25:39



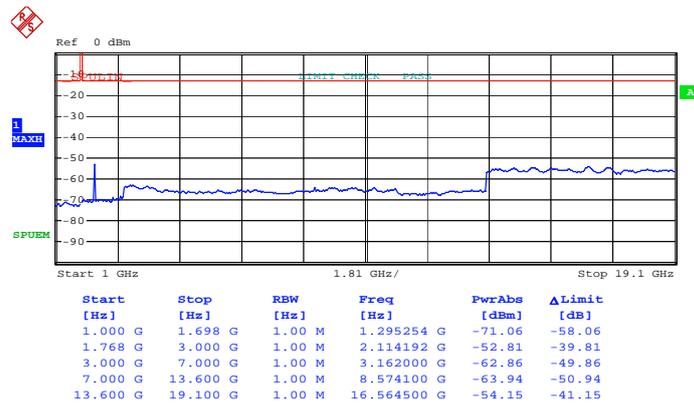
Band :	LTE Band 4	BW / Mod. :	5MHz / QPSK
Frequency :	1712.5	Channel :	19975

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 24)



Date: 29.JUL.2012 17:21:42

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 24)

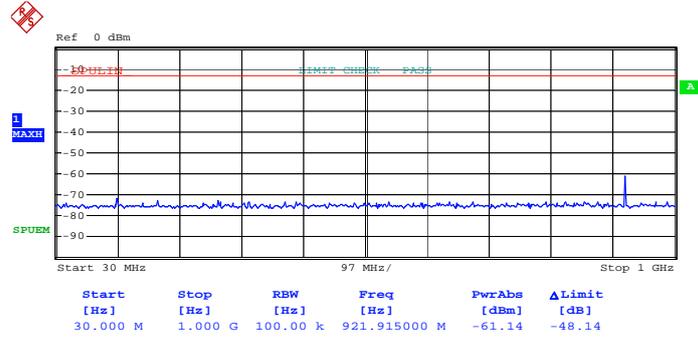


Date: 29.JUL.2012 17:21:16



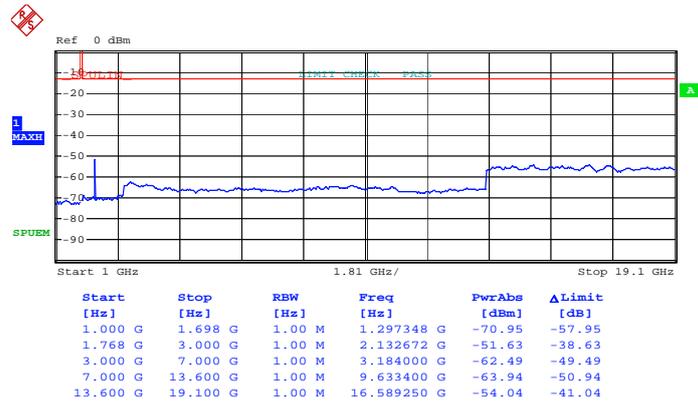
Band :	LTE Band 4	BW / Mod. :	5MHz / QPSK
Frequency :	1732.5	Channel :	20175

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 16:43:21

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

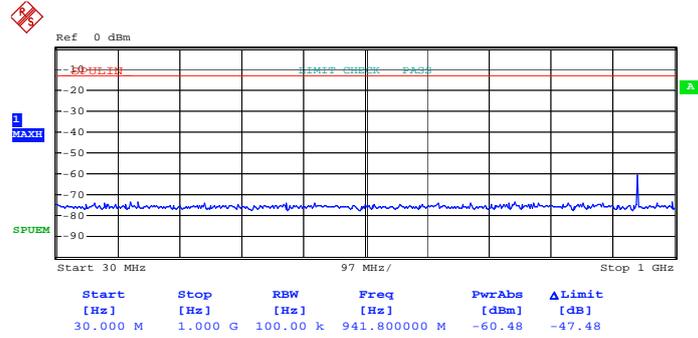


Date: 29.JUL.2012 16:42:51



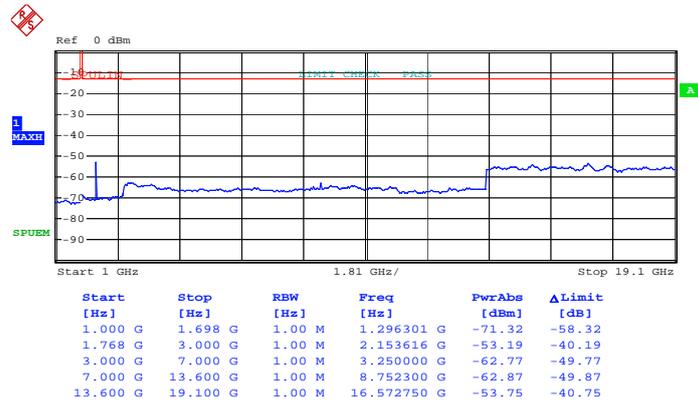
Band :	LTE Band 4	BW / Mod. :	5MHz / QPSK
Frequency :	1752.5	Channel :	20375

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 17:19:15

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

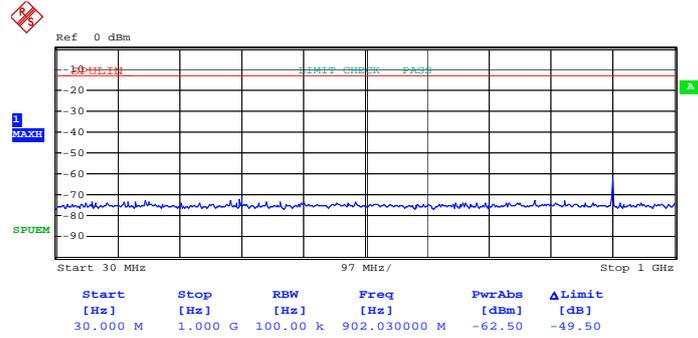


Date: 29.JUL.2012 17:17:32



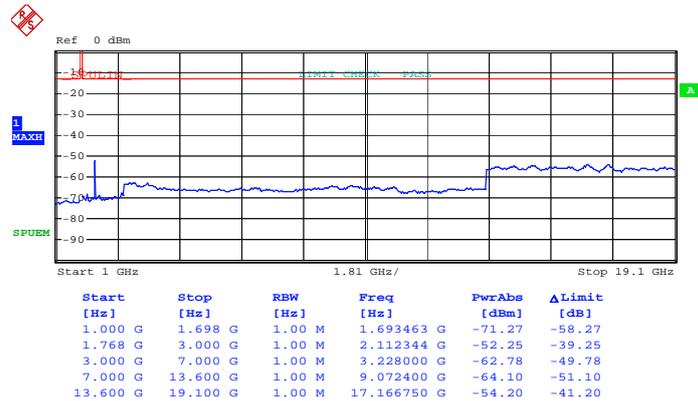
Band :	LTE Band 4	BW / Mod. :	5MHz / 16QAM
Frequency :	1712.5	Channel :	19975

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 17:20:14

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

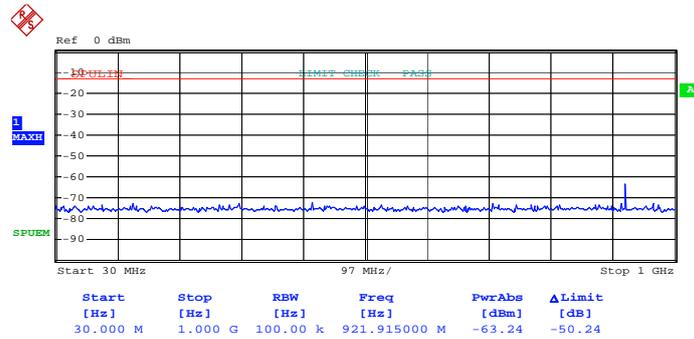


Date: 29.JUL.2012 17:20:46



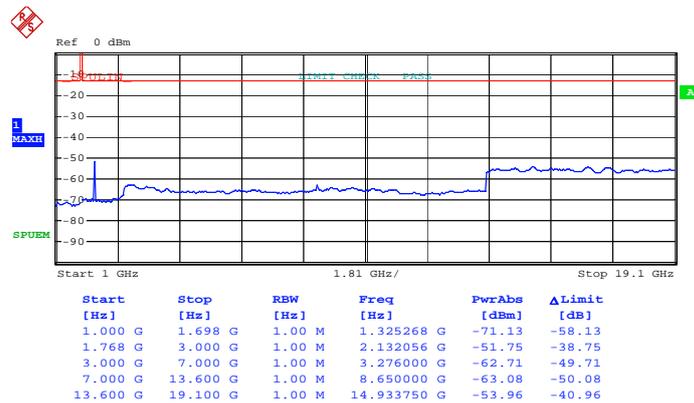
Band :	LTE Band 4	BW / Mod. :	5MHz / 16QAM
Frequency :	1732.5	Channel :	20175

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 16:43:43

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

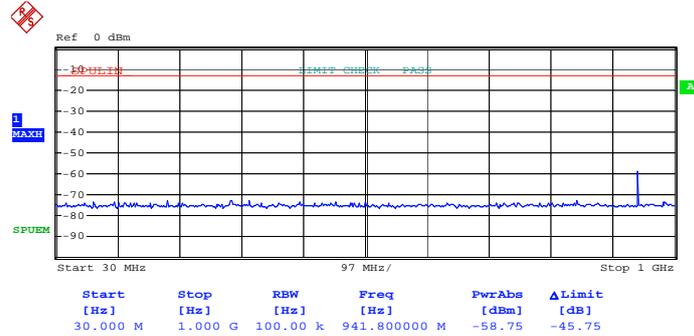


Date: 29.JUL.2012 16:42:27



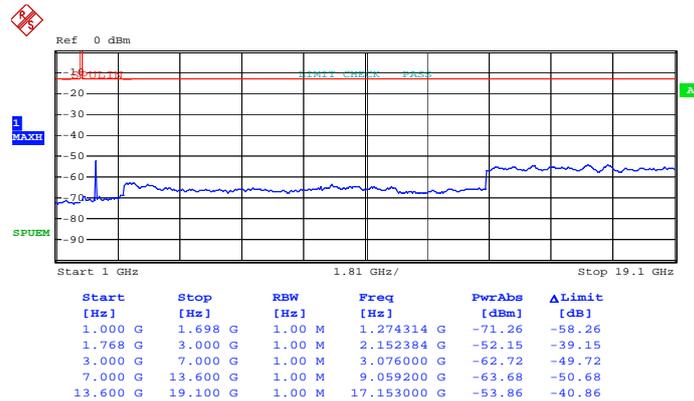
Band :	LTE Band 4	BW / Mod. :	5MHz / 16QAM
Frequency :	1752.5	Channel :	20375

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 17:18:51

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

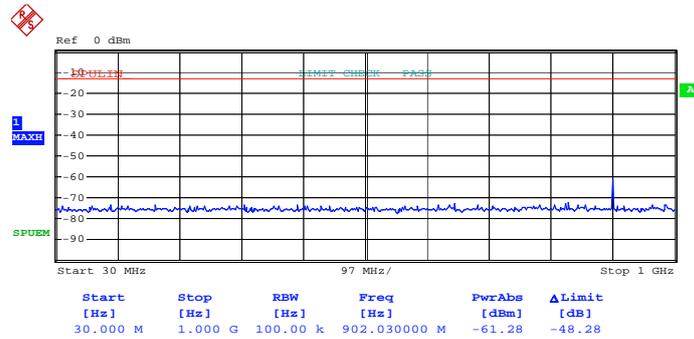


Date: 29.JUL.2012 17:18:05



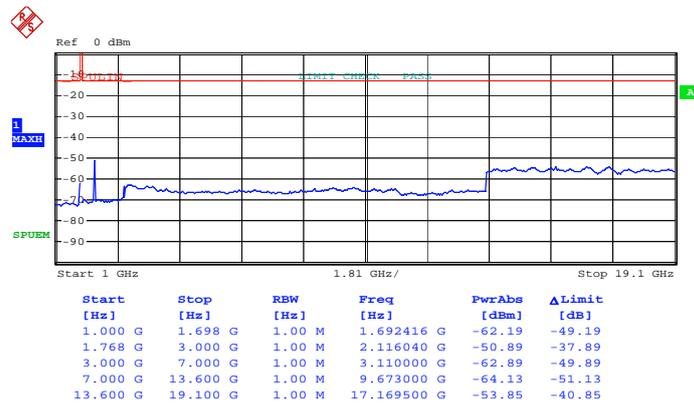
Band :	LTE Band 4	BW / Mod. :	10MHz / QPSK
Frequency :	1715	Channel :	20000

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 17:12:02

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

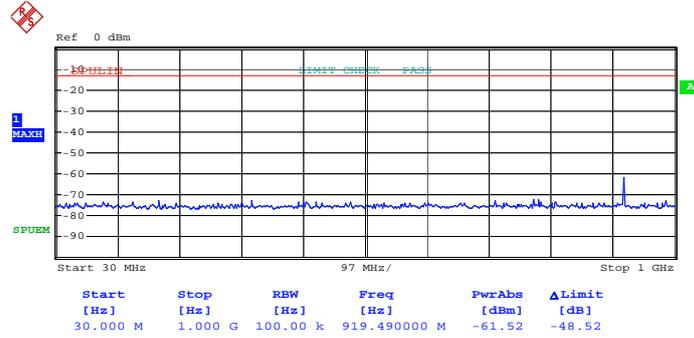


Date: 29.JUL.2012 17:11:39



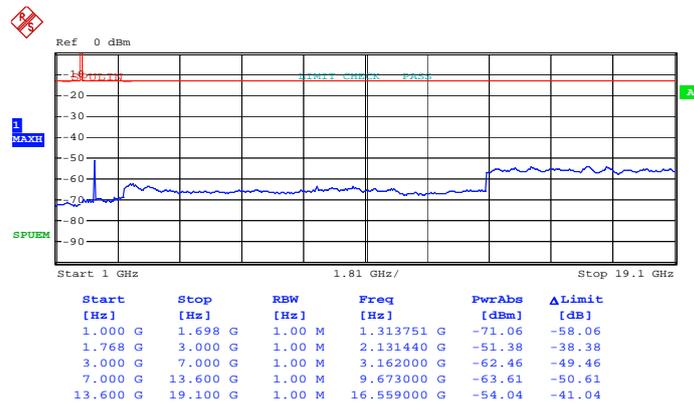
Band :	LTE Band 4	BW / Mod. :	10MHz / QPSK
Frequency :	1732.5	Channel :	20175

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 16:47:18

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

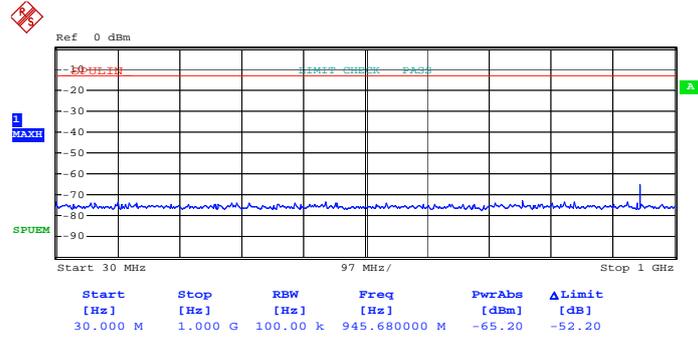


Date: 29.JUL.2012 16:47:48



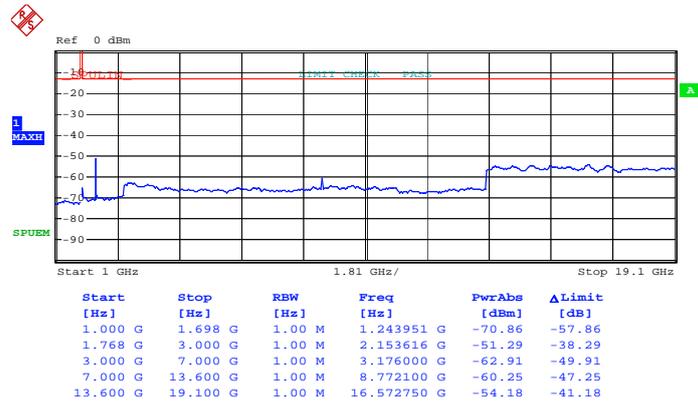
Band :	LTE Band 4	BW / Mod. :	10MHz / QPSK
Frequency :	1750	Channel :	20350

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 49)



Date: 29.JUL.2012 17:15:00

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 49)

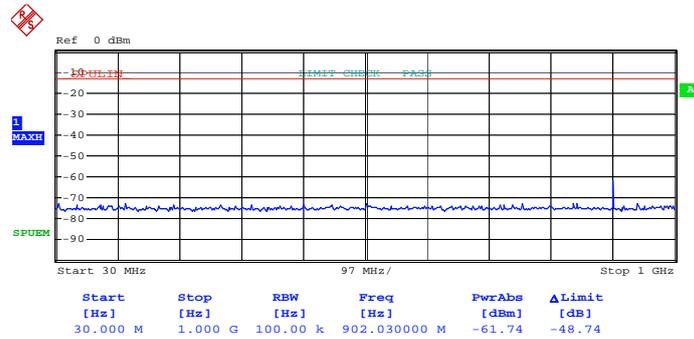


Date: 29.JUL.2012 17:15:29



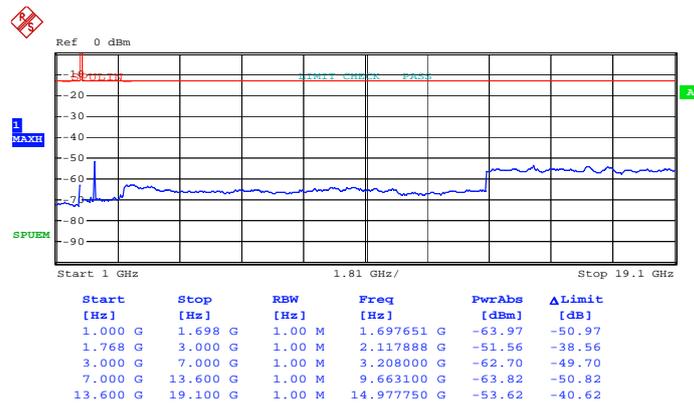
Band :	LTE Band 4	BW / Mod. :	10MHz / 16QAM
Frequency :	1715	Channel :	20000

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 17:12:24

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

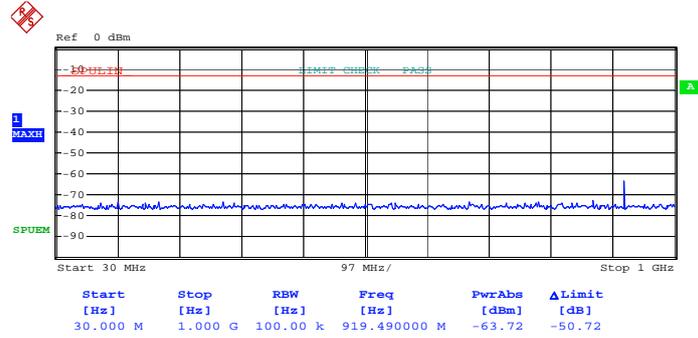


Date: 29.JUL.2012 17:11:21



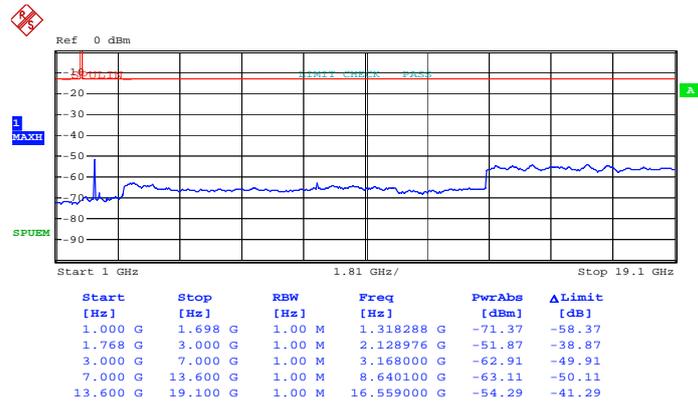
Band :	LTE Band 4	BW / Mod. :	10MHz / 16QAM
Frequency :	1732.5	Channel :	20175

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 16:47:01

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

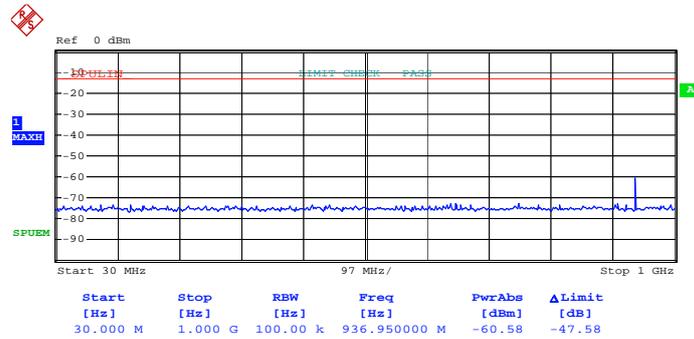


Date: 29.JUL.2012 16:48:13



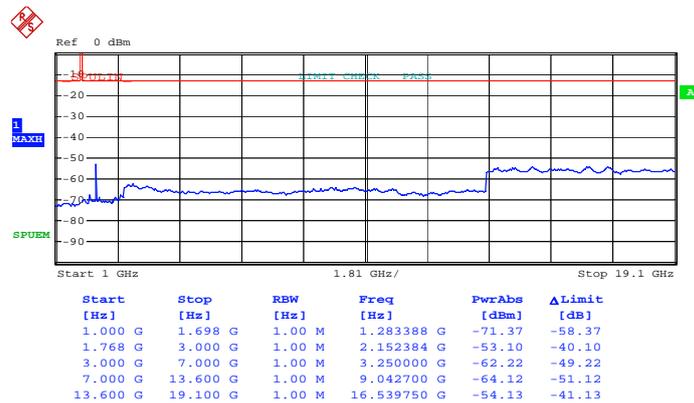
Band :	LTE Band 4	BW / Mod. :	10MHz / 16QAM
Frequency :	1750	Channel :	20350

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 17:13:11

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

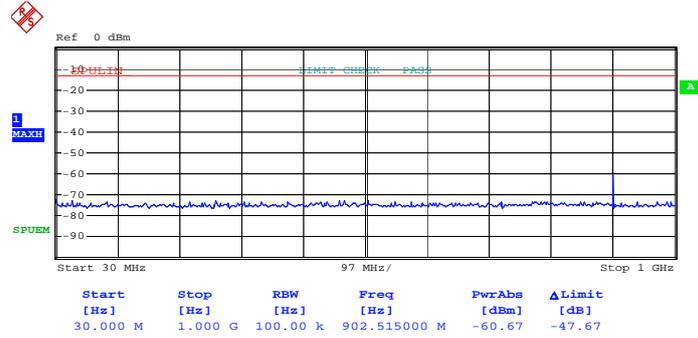


Date: 29.JUL.2012 17:13:45



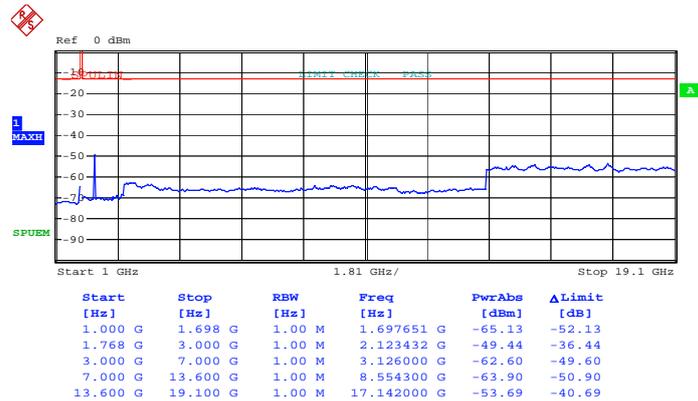
Band :	LTE Band 4	BW / Mod. :	15MHz / QPSK
Frequency :	1717.5	Channel :	20025

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 17:09:23

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

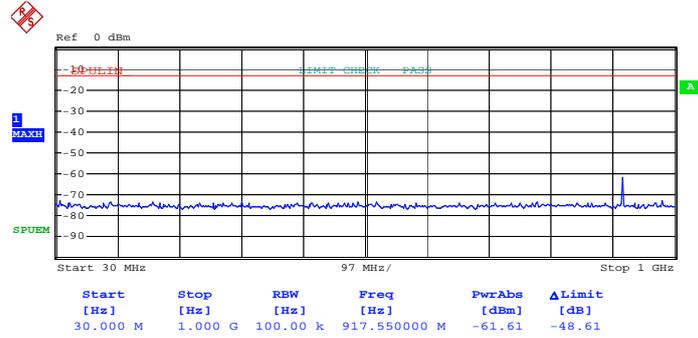


Date: 29.JUL.2012 17:07:54



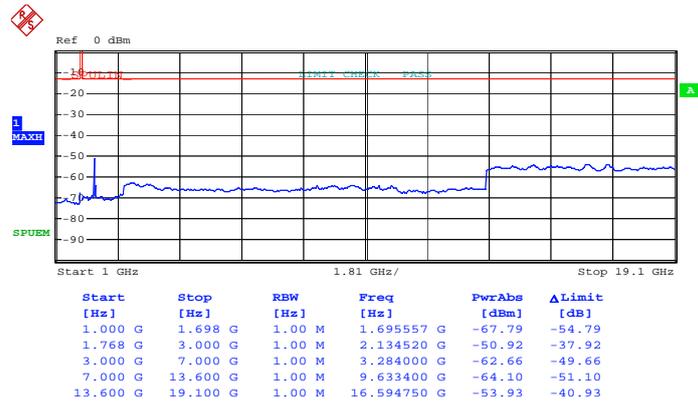
Band :	LTE Band 4	BW / Mod. :	15MHz / QPSK
Frequency :	1732.5	Channel :	20175

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 16:51:43

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

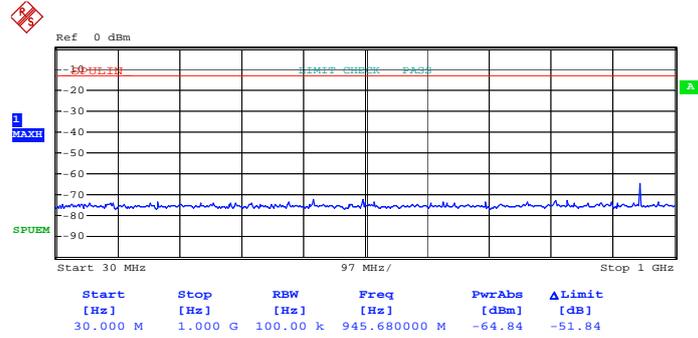


Date: 29.JUL.2012 16:52:15



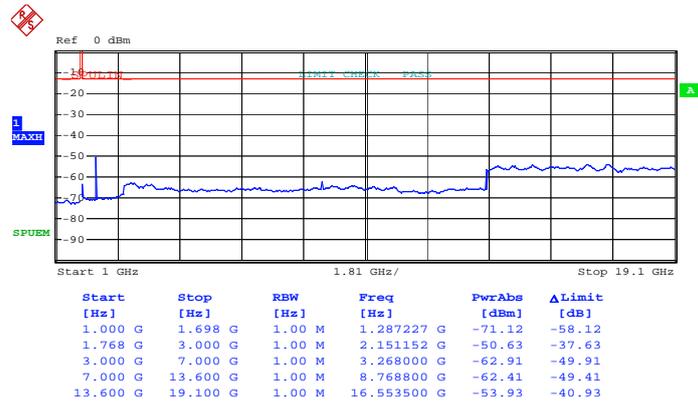
Band :	LTE Band 4	BW / Mod. :	15MHz / QPSK
Frequency :	1747.5	Channel :	20325

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 74)



Date: 29.JUL.2012 17:06:10

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 74)

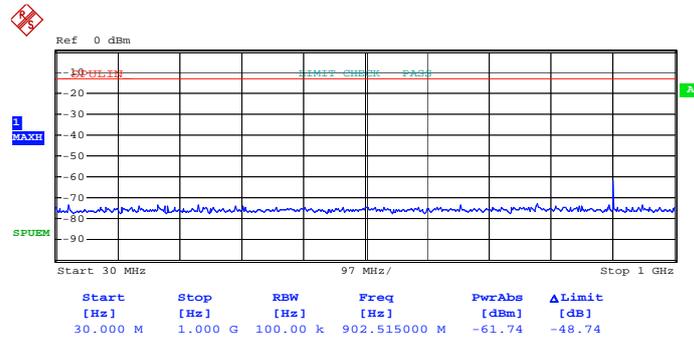


Date: 29.JUL.2012 17:06:51



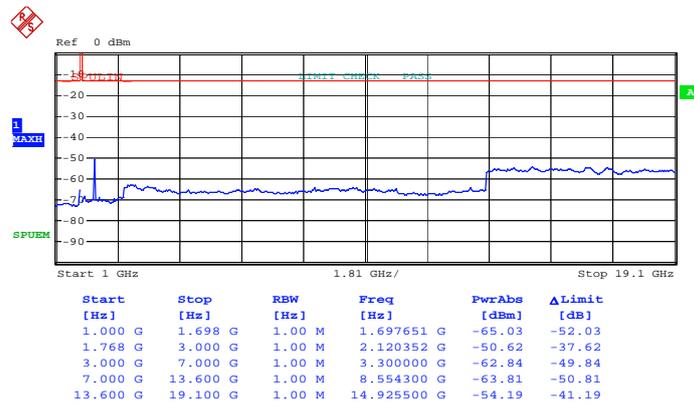
Band :	LTE Band 4	BW / Mod. :	15MHz / 16QAM
Frequency :	1717.5	Channel :	20025

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 17:09:55

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

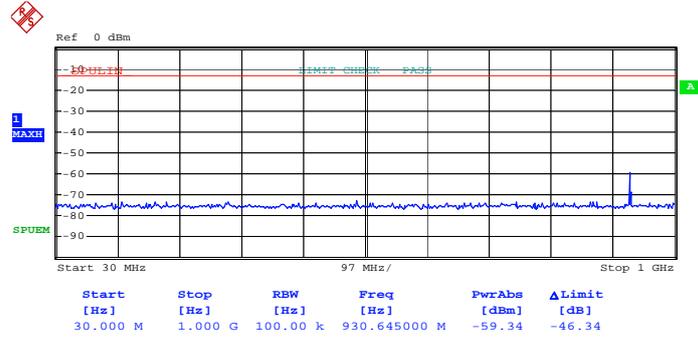


Date: 29.JUL.2012 17:10:20



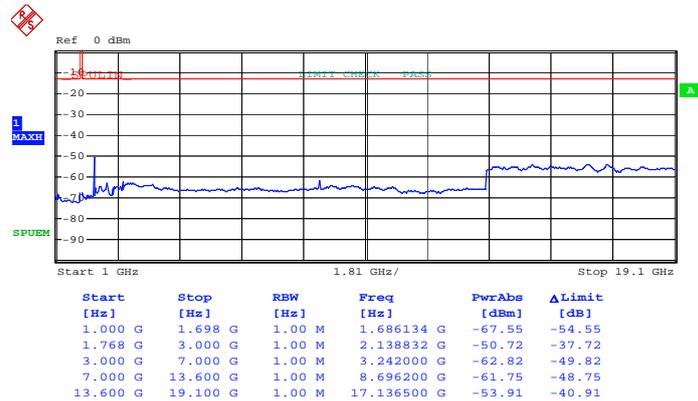
Band :	LTE Band 4	BW / Mod. :	15MHz / 16QAM
Frequency :	1732.5	Channel :	20175

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 74)



Date: 29.JUL.2012 16:51:08

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 74)

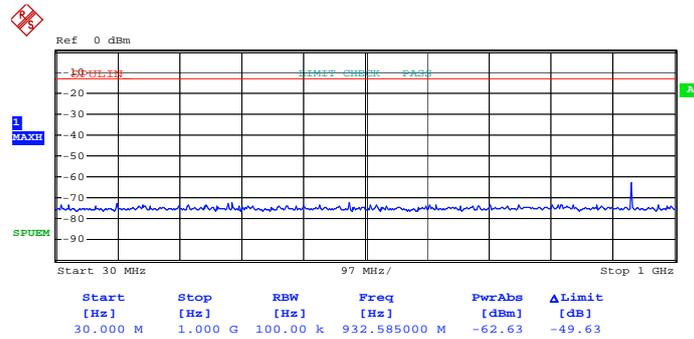


Date: 29.JUL.2012 16:50:31



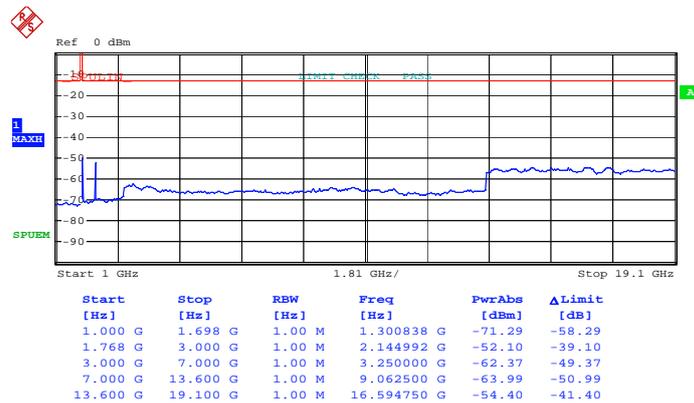
Band :	LTE Band 4	BW / Mod. :	15MHz / 16QAM
Frequency :	1747.5	Channel :	20325

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 17:05:31

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

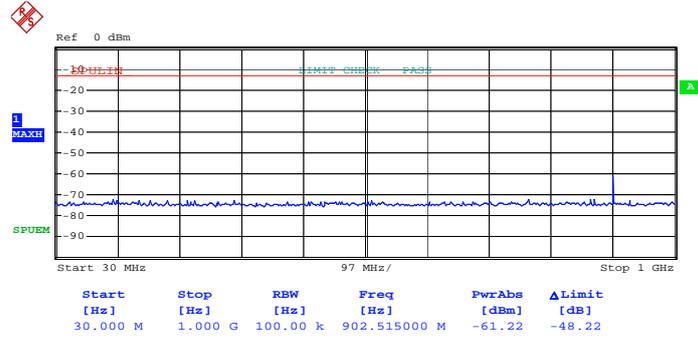


Date: 29.JUL.2012 17:04:52



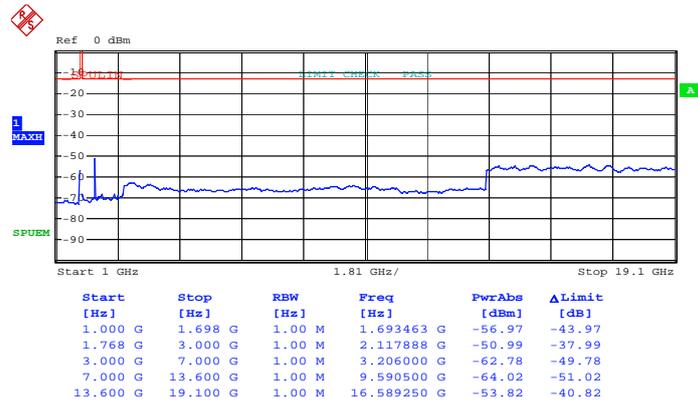
Band :	LTE Band 4	BW / Mod. :	20MHz / QPSK
Frequency :	1720	Channel :	20050

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 16:57:34

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

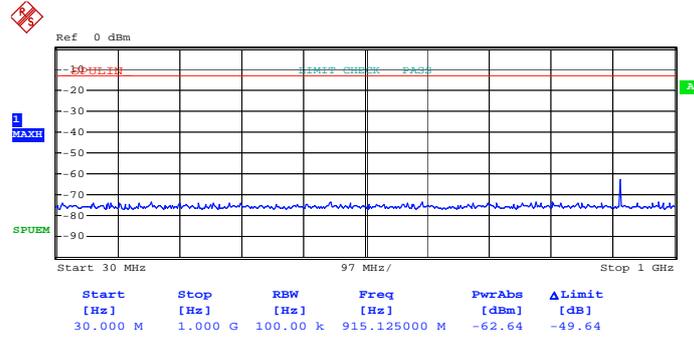


Date: 29.JUL.2012 16:58:47



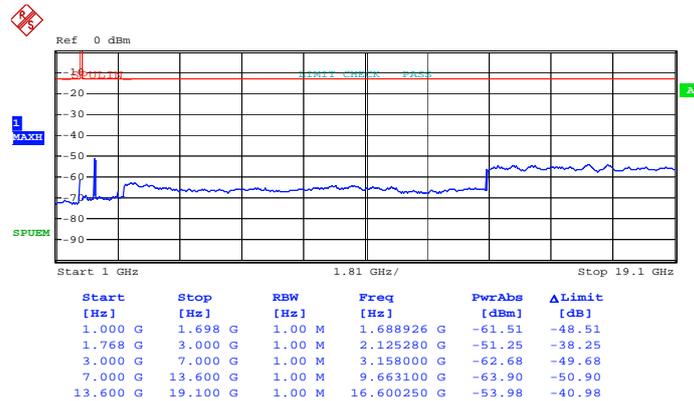
Band :	LTE Band 4	BW / Mod. :	20MHz / QPSK
Frequency :	1732.5	Channel :	20175

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 16:55:52

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 0)

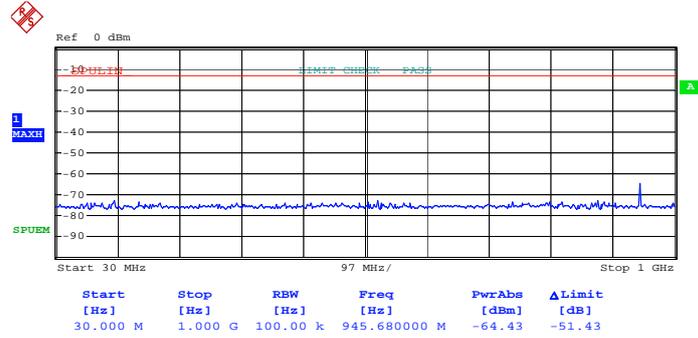


Date: 29.JUL.2012 16:53:00



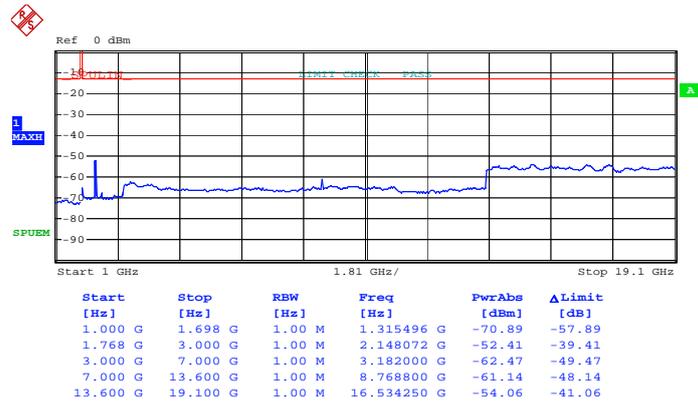
Band :	LTE Band 4	BW / Mod. :	20MHz / QPSK
Frequency :	1745	Channel :	20300

Conducted Emission Plot (30MHz ~ 1GHz) for QPSK (RB Size 1, RB Offset 99)



Date: 29.JUL.2012 17:02:06

Conducted Emission Plot (1GHz ~ 19.1GHz) for QPSK (RB Size 1, RB Offset 99)

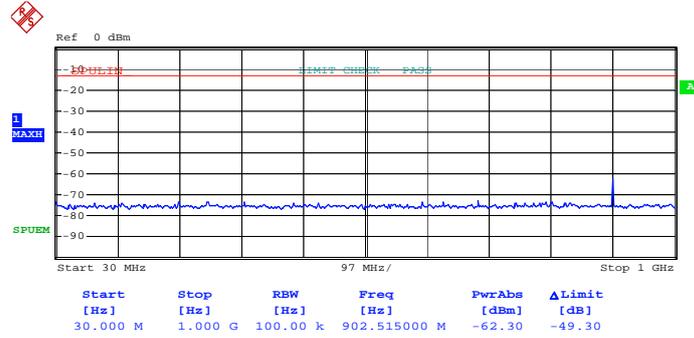


Date: 29.JUL.2012 17:01:29



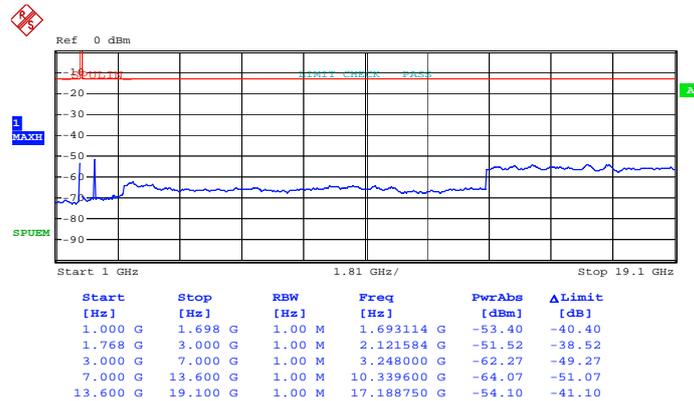
Band :	LTE Band 4	BW / Mod. :	20MHz / 16QAM
Frequency :	1720	Channel :	20050

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 16:57:54

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

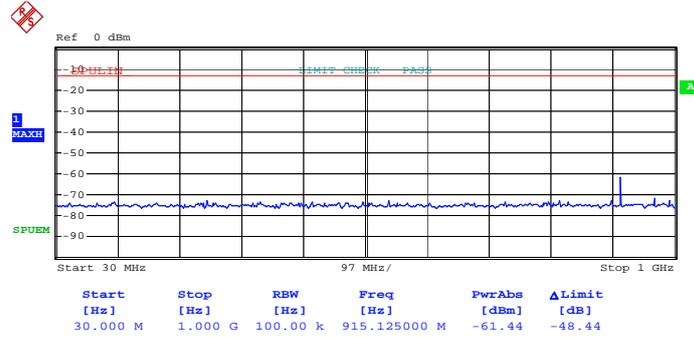


Date: 29.JUL.2012 16:58:30



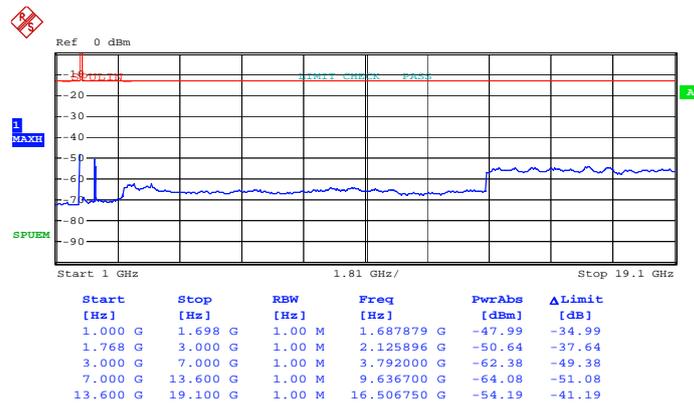
Band :	LTE Band 4	BW / Mod. :	20MHz / 16QAM
Frequency :	1732.5	Channel :	20175

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 16:53:58

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)

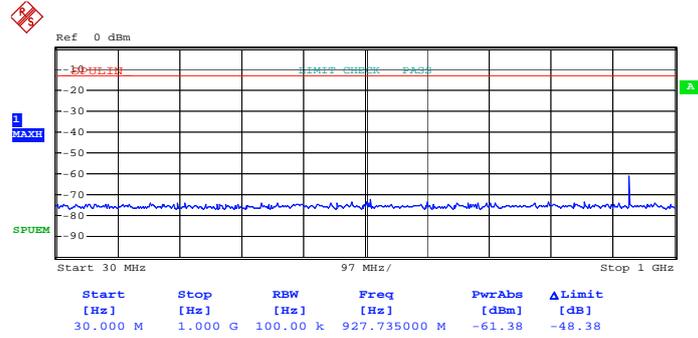


Date: 29.JUL.2012 16:53:29



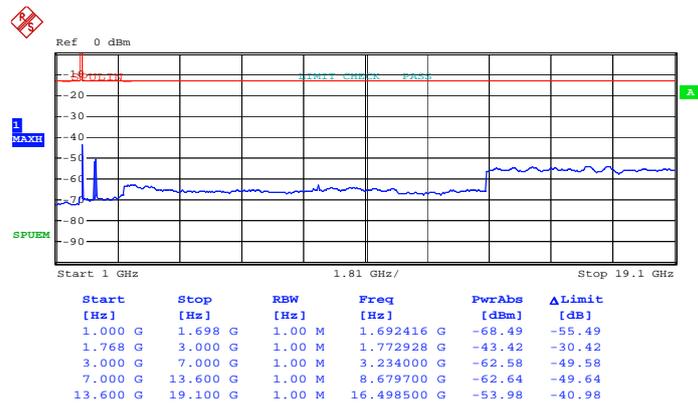
Band :	LTE Band 4	BW / Mod. :	20MHz / 16QAM
Frequency :	1745	Channel :	20300

Conducted Emission Plot (30MHz ~ 1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 17:02:43

Conducted Emission Plot (1GHz ~ 19.1GHz) for 16-QAM (RB Size 1, RB Offset 0)



Date: 29.JUL.2012 17:03:29

3.5 Radiated Emissions Measurement

3.5.1 Description of Radiated Emissions Measurement

The radiated spurious emission was measured by substitution method according to ANSI / TIA / EIA-603-C-2004. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

3.5.2 Measuring Instruments

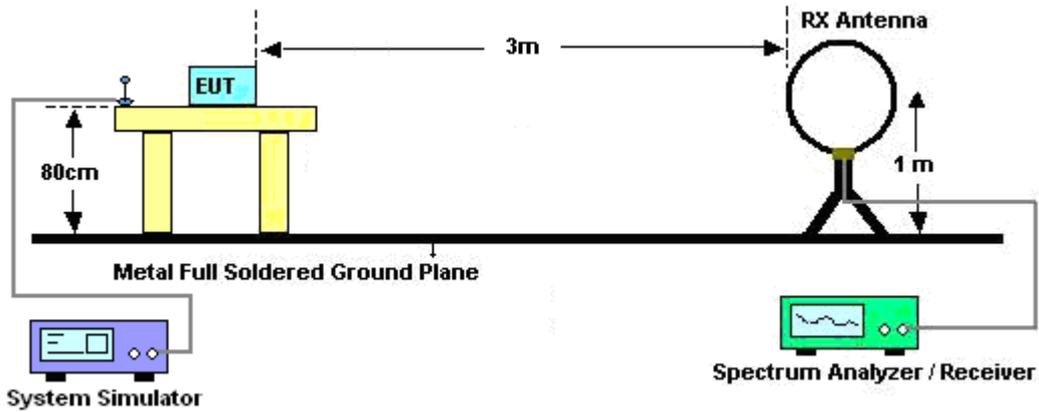
See list of measuring instruments of this test report.

3.5.3 Test Procedures

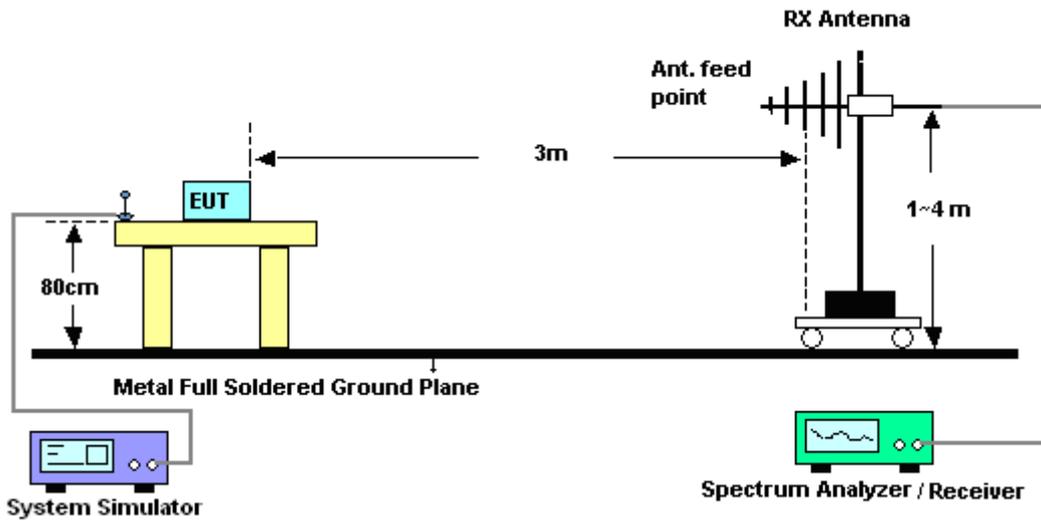
1. The EUT was placed on a rotatable wooden table with 0.8 meter above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 1MHz, Sweep = 500ms, Taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. Emission level (dBm) = output power + substitution Gain.

3.5.4 Test Setup

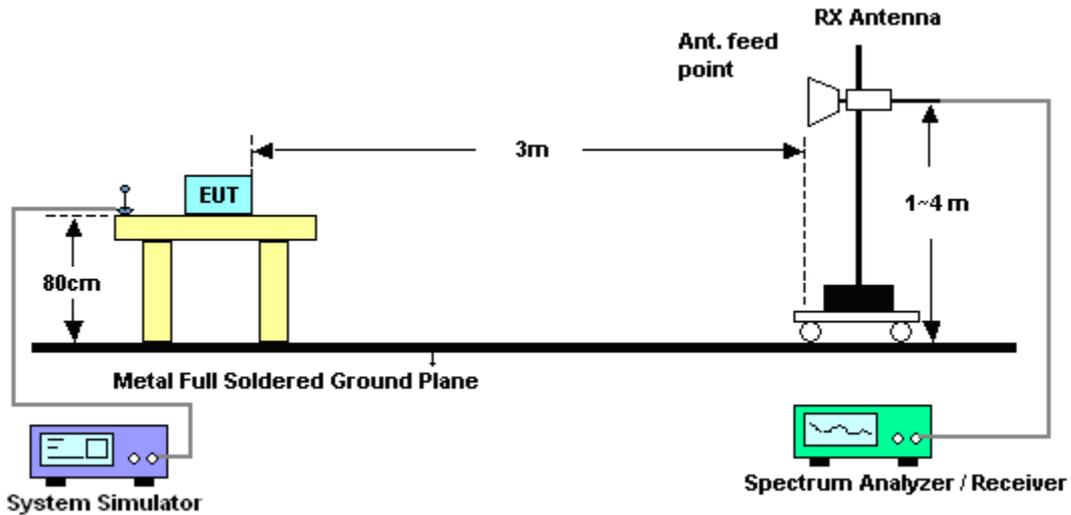
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



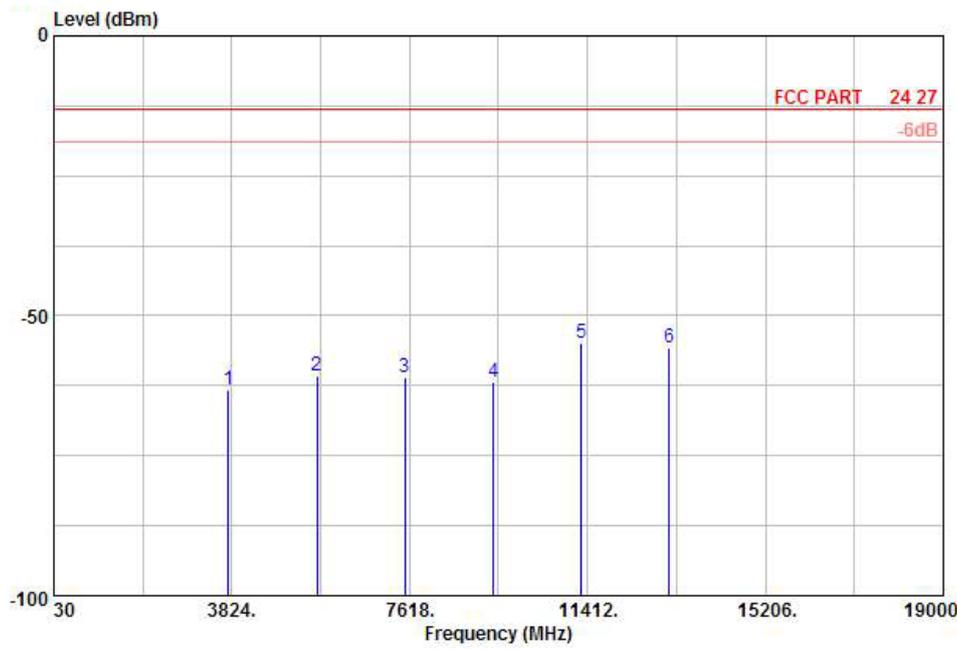
3.5.5 Test Results of Radiated Emissions (9 KHz ~ 30 MHz)

The low frequency, which started from 9 KHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.



3.5.6 Test Result of Radiated Emissions

Band :	LTE Band 2	Temperature :	21~22°C
Test Mode :	1.4MHz, QPSK, RB Size 1, RB Offset 5	Relative Humidity :	47~49%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



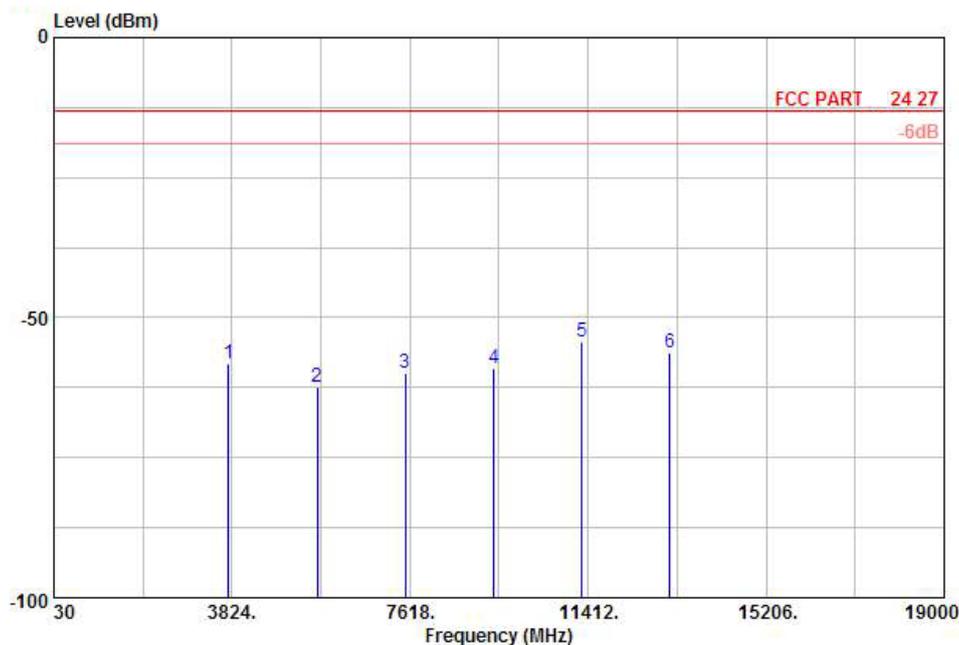
Site : 03CH01-KS
 Condition: FCC PART 24.27 HF EIRP FACTOR-09020 HORIZONTAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-63.33	-13	-50.33	-64.30	-69.71	0.78	7.16	H	Pass
5640	-60.60	-13	-47.60	-64.78	-69.14	1.04	9.58	H	Pass
7520	-61.03	-13	-48.03	-66.16	-71.14	1.35	11.46	H	Pass
9400	-61.77	-13	-48.77	-65.03	-72.83	1.75	12.81	H	Pass
11280	-55.00	-13	-42.00	-66.49	-66.09	2	13.09	H	Pass
13160	-55.75	-13	-42.75	-67.05	-67.46	2.04	13.75	H	Pass



Band :	LTE Band 2	Temperature :	21~22°C
Test Mode :	1.4MHz, QPSK, RB Size 1, RB Offset 5	Relative Humidity :	47~49%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



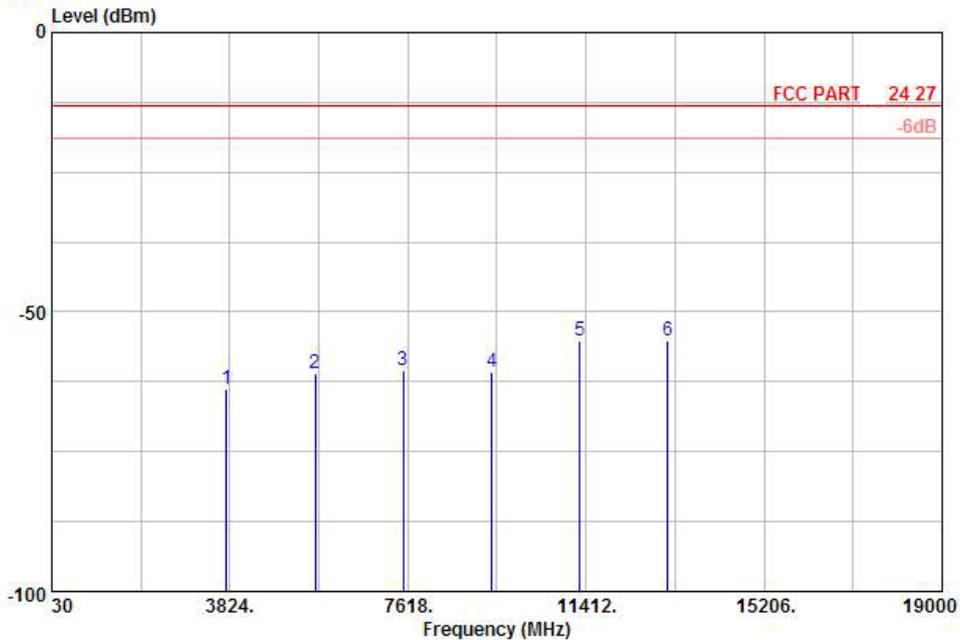
Site : 03CH01-KS
 Condition: FCC PART 24 27 HF EIRP FACTOR-09020 VERTICAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-58.18	-13	-45.18	-59.55	-64.56	0.78	7.16	V	Pass
5640	-62.48	-13	-49.48	-65.7	-71.02	1.04	9.58	V	Pass
7520	-60.01	-13	-47.01	-64.5	-70.12	1.35	11.46	V	Pass
9400	-59.14	-13	-46.14	-60.36	-70.20	1.75	12.81	V	Pass
11280	-54.22	-13	-41.22	-65.46	-65.31	2	13.09	V	Pass
13160	-56.35	-13	-43.35	-67.54	-68.06	2.04	13.75	V	Pass



Band :	LTE Band 2	Temperature :	21~22°C
Test Mode :	3MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	47~49%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



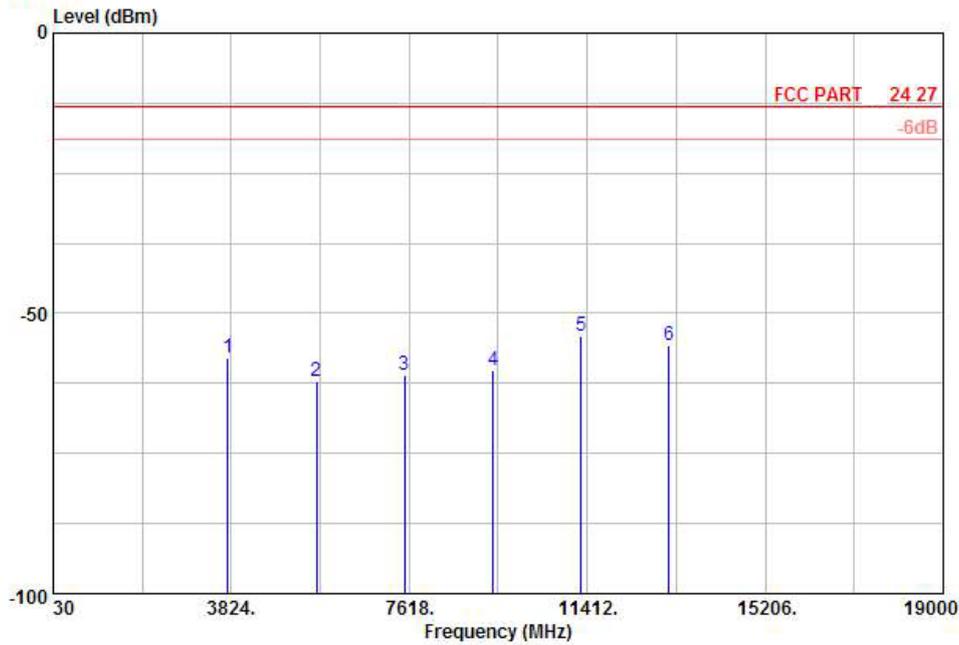
Site : 03CH01-KS
 Condition: FCC PART 24 27 HF EIRP FACTOR-09020 HORIZONTAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-63.81	-13	-50.81	-64.78	-70.19	0.78	7.16	H	Pass
5640	-60.88	-13	-47.88	-65.06	-69.42	1.04	9.58	H	Pass
7520	-60.35	-13	-47.35	-65.48	-70.46	1.35	11.46	H	Pass
9400	-60.81	-13	-47.81	-64.07	-71.87	1.75	12.81	H	Pass
11280	-55.15	-13	-42.15	-66.64	-66.24	2	13.09	H	Pass
13160	-55.04	-13	-42.04	-66.34	-66.75	2.04	13.75	H	Pass



Band :	LTE Band 2	Temperature :	21~22°C
Test Mode :	3MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	47~49%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



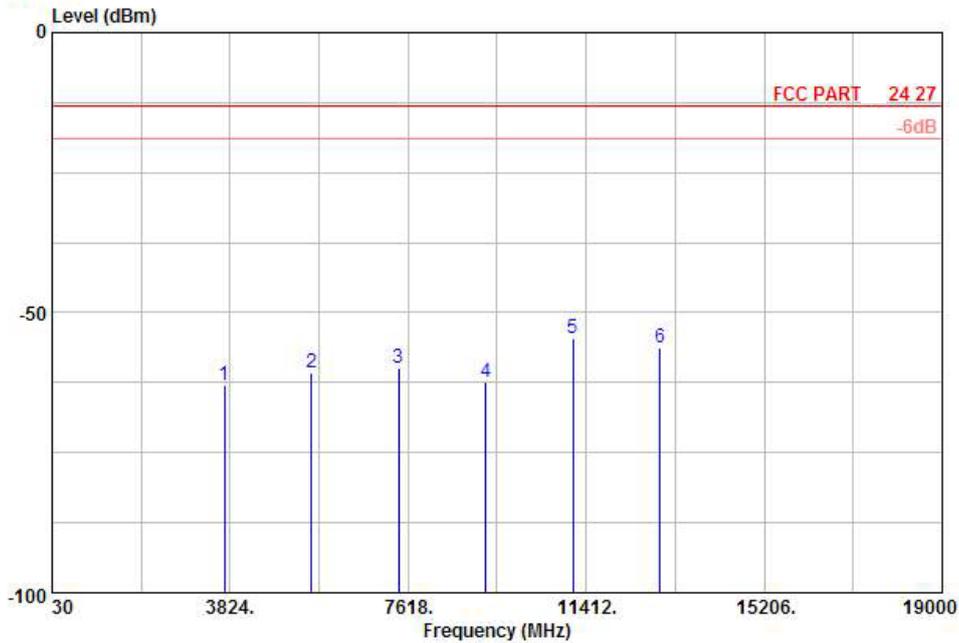
Site : 03CH01-KS
 Condition: FCC PART 24 27 HF EIRP FACTOR-09020 VERTICAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-57.84	-13	-44.84	-59.21	-64.22	0.78	7.16	V	Pass
5640	-62.08	-13	-49.08	-65.3	-70.62	1.04	9.58	V	Pass
7520	-61.06	-13	-48.06	-65.55	-71.17	1.35	11.46	V	Pass
9400	-60.14	-13	-47.14	-61.36	-71.20	1.75	12.81	V	Pass
11280	-54.17	-13	-41.17	-65.41	-65.26	2	13.09	V	Pass
13160	-55.84	-13	-42.84	-67.03	-67.55	2.04	13.75	V	Pass



Band :	LTE Band 2	Temperature :	21~22°C
Test Mode :	5MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	47~49%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



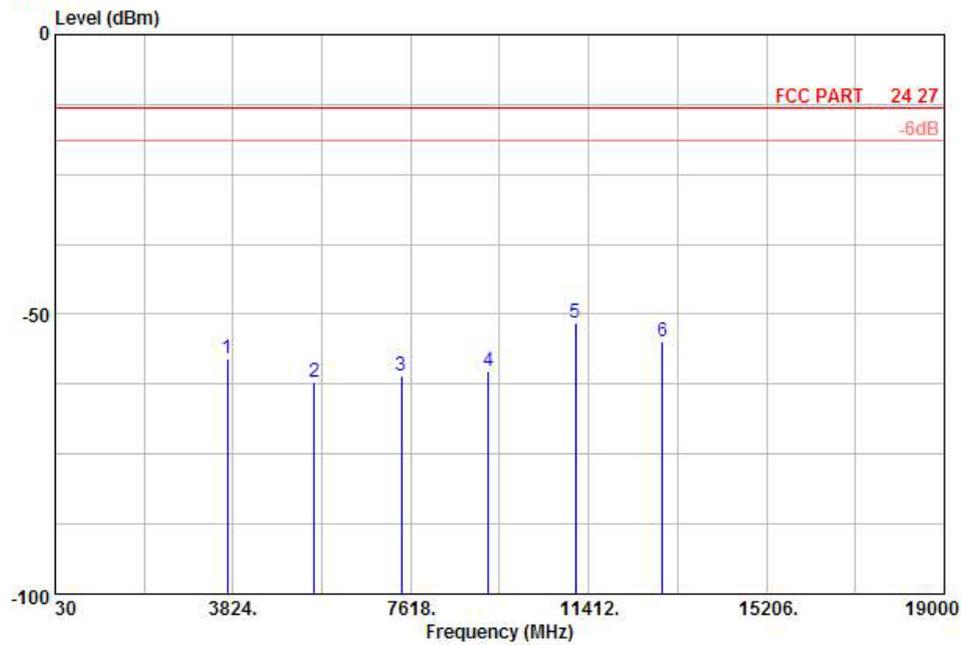
Site : 03CH01-KS
 Condition: FCC PART 24 27 HF EIRP FACTOR-09020 HORIZONTAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3710	-63.00	-13	-50.00	-63.97	-69.38	0.78	7.16	H	Pass
5565	-60.70	-13	-47.70	-64.88	-69.24	1.04	9.58	H	Pass
7420	-59.98	-13	-46.98	-65.11	-70.09	1.35	11.46	H	Pass
9275	-62.48	-13	-49.48	-65.74	-73.54	1.75	12.81	H	Pass
11130	-54.48	-13	-41.48	-65.97	-65.57	2	13.09	H	Pass
12985	-56.28	-13	-43.28	-67.58	-67.99	2.04	13.75	H	Pass



Band :	LTE Band 2	Temperature :	21~22°C
Test Mode :	5MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	47~49%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



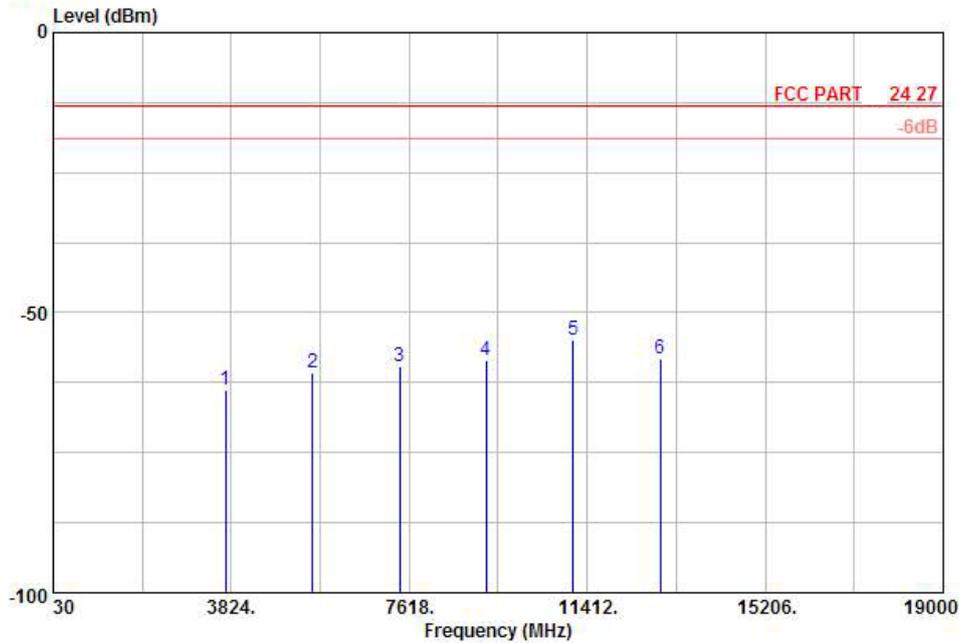
Site : 03CH01-KS
 Condition: FCC PART 24 27 HF EIRP FACTOR-09020 VERTICAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3710	-57.94	-13	-44.94	-59.31	-64.32	0.78	7.16	V	Pass
5565	-62.11	-13	-49.11	-65.33	-70.65	1.04	9.58	V	Pass
7420	-60.87	-13	-47.87	-65.36	-70.98	1.35	11.46	V	Pass
9275	-60.18	-13	-47.18	-61.4	-71.24	1.75	12.81	V	Pass
11130	-51.50	-13	-38.50	-62.74	-62.59	2	13.09	V	Pass
12985	-54.90	-13	-41.90	-66.09	-66.61	2.04	13.75	V	Pass



Band :	LTE Band 2	Temperature :	21~22°C
Test Mode :	10MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	47~49%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



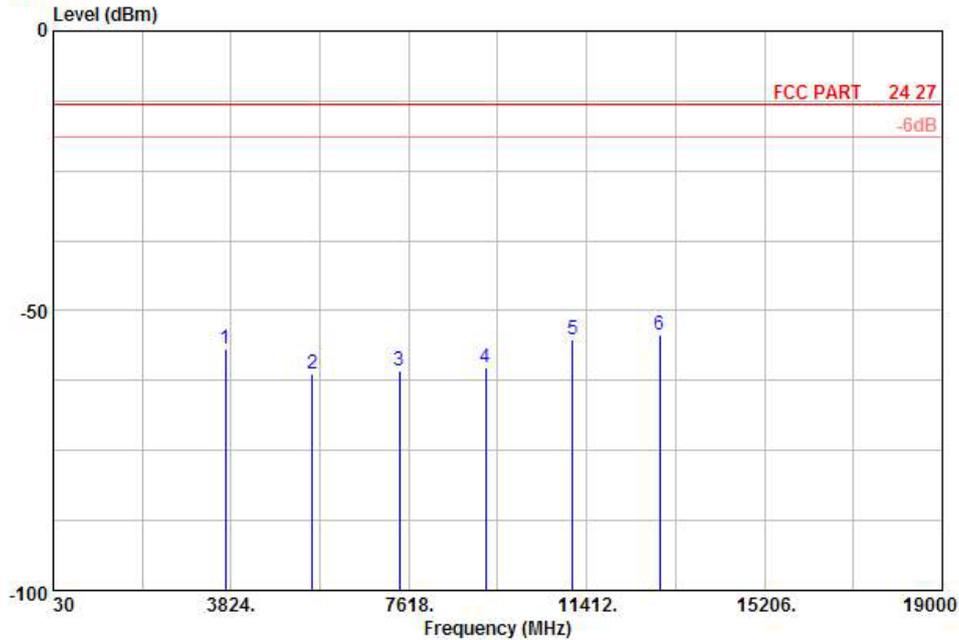
Site : 03CH01-KS
 Condition: FCC PART 24 27 HF EIRP FACTOR-09020 HORIZONTAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3705	-63.65	-13	-50.65	-64.62	-70.03	0.78	7.16	H	Pass
5557.5	-60.73	-13	-47.73	-64.91	-69.27	1.04	9.58	H	Pass
7410	-59.62	-13	-46.62	-64.75	-69.73	1.35	11.46	H	Pass
9262.5	-58.45	-13	-45.45	-61.71	-69.51	1.75	12.81	H	Pass
11115	-54.97	-13	-41.97	-66.46	-66.06	2	13.09	H	Pass
12967.5	-58.29	-13	-45.29	-69.59	-70.00	2.04	13.75	H	Pass



Band :	LTE Band 2	Temperature :	21~22°C
Test Mode :	10MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	47~49%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



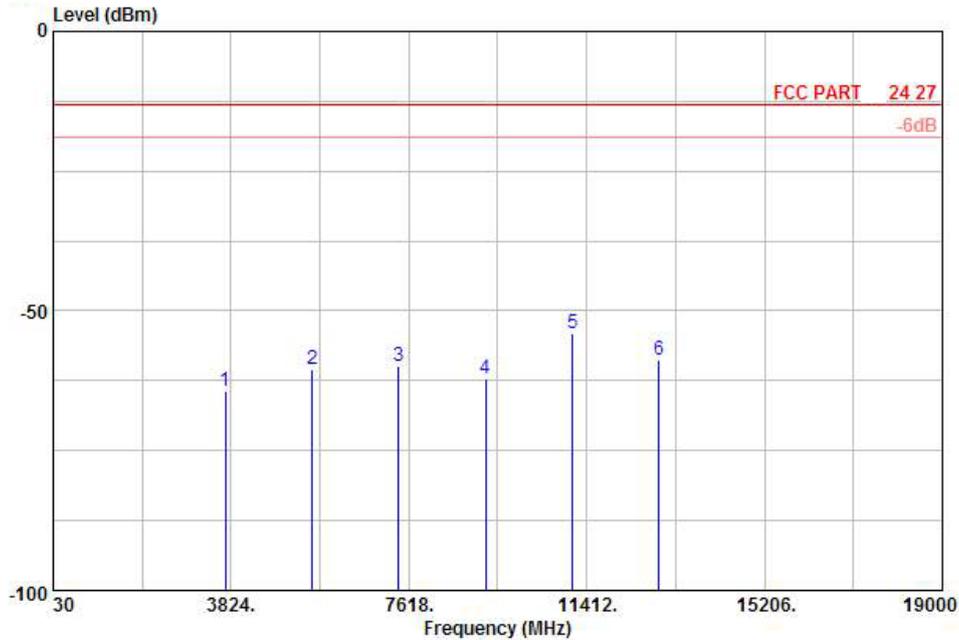
Site : 03CH01-KS
 Condition: FCC PART 24 27 HF EIRP FACTOR-09020 VERTICAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3705	-56.83	-13	-43.83	-58.2	-63.21	0.78	7.16	V	Pass
5557.5	-61.31	-13	-48.31	-64.53	-69.85	1.04	9.58	V	Pass
7410	-60.60	-13	-47.60	-65.09	-70.71	1.35	11.46	V	Pass
9262.5	-60.18	-13	-47.18	-61.4	-71.24	1.75	12.81	V	Pass
11115	-55.16	-13	-42.16	-66.4	-66.25	2	13.09	V	Pass
12967.5	-54.36	-13	-41.36	-65.55	-66.07	2.04	13.75	V	Pass



Band :	LTE Band 2	Temperature :	21~22°C
Test Mode :	15MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	47~49%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



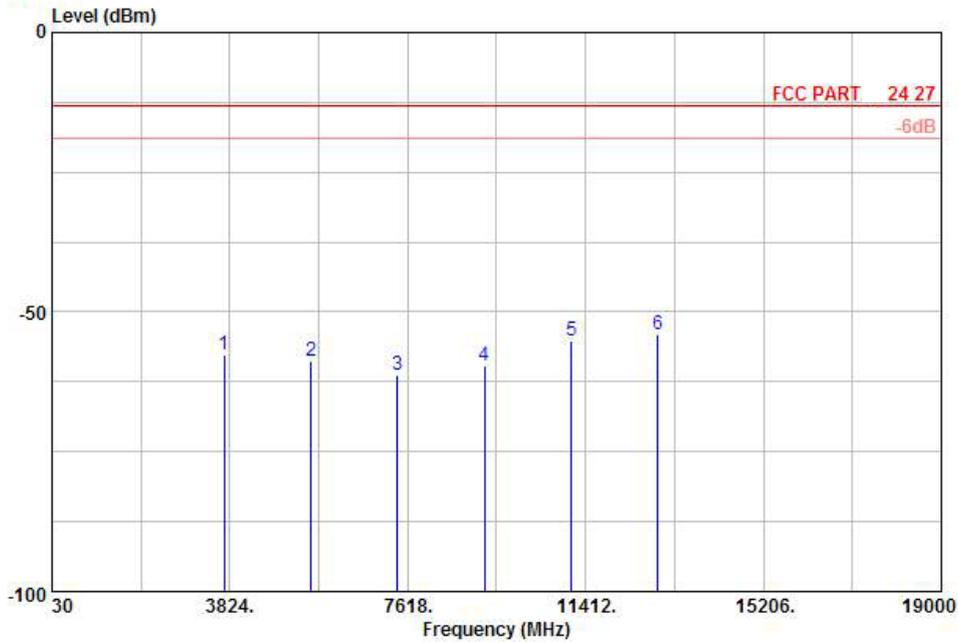
Site : 03CH01-KS
 Condition: FCC PART 24 27 HF EIRP FACTOR-09020 HORIZONTAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3703	-64.33	-13	-51.33	-65.30	-70.71	0.78	7.16	H	Pass
5554.5	-60.55	-13	-47.55	-64.73	-69.09	1.04	9.58	H	Pass
7406	-59.91	-13	-46.91	-65.04	-70.02	1.35	11.46	H	Pass
9257.5	-62.25	-13	-49.25	-65.51	-73.31	1.75	12.81	H	Pass
11109	-54.11	-13	-41.11	-65.60	-65.20	2	13.09	H	Pass
12960.5	-58.69	-13	-45.69	-69.99	-70.40	2.04	13.75	H	Pass



Band :	LTE Band 2	Temperature :	21~22°C
Test Mode :	15MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	47~49%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		

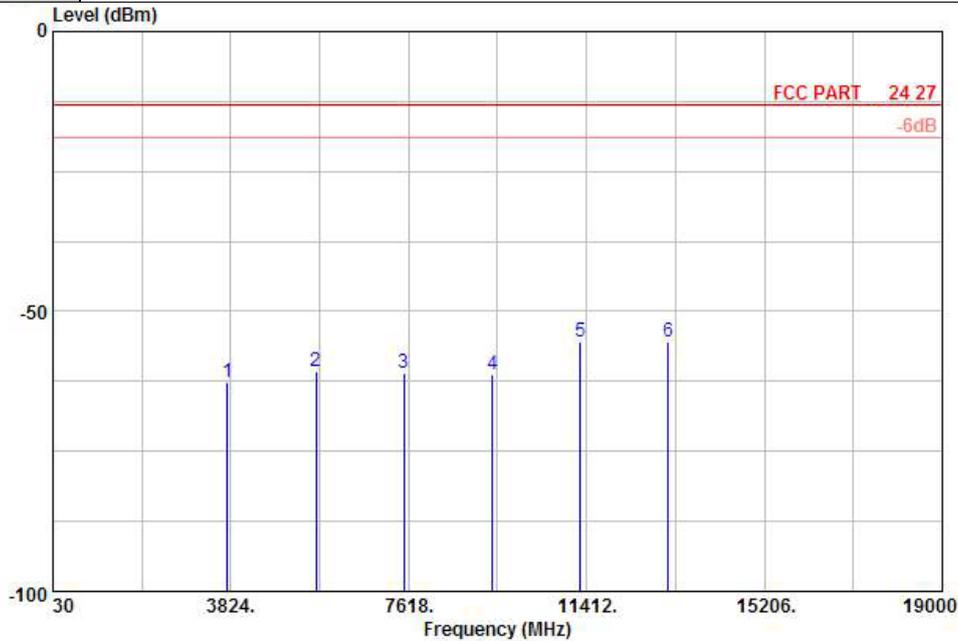


Site : 03CH01-KS
 Condition: FCC PART 24.27 HF EIRP FACTOR-09020 VERTICAL
 Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3703	-57.78	-13	-44.78	-59.15	-64.16	0.78	7.16	V	Pass
5554.5	-58.85	-13	-45.85	-62.07	-67.39	1.04	9.58	V	Pass
7406	-61.35	-13	-48.35	-65.84	-71.46	1.35	11.46	V	Pass
9257.5	-59.63	-13	-46.63	-60.85	-70.69	1.75	12.81	V	Pass
11109	-55.08	-13	-42.08	-66.32	-66.17	2	13.09	V	Pass
12960.5	-54.10	-13	-41.10	-65.29	-65.81	2.04	13.75	V	Pass



Band :	LTE Band 2	Temperature :	21~22°C
Test Mode :	20MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	47~49%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		

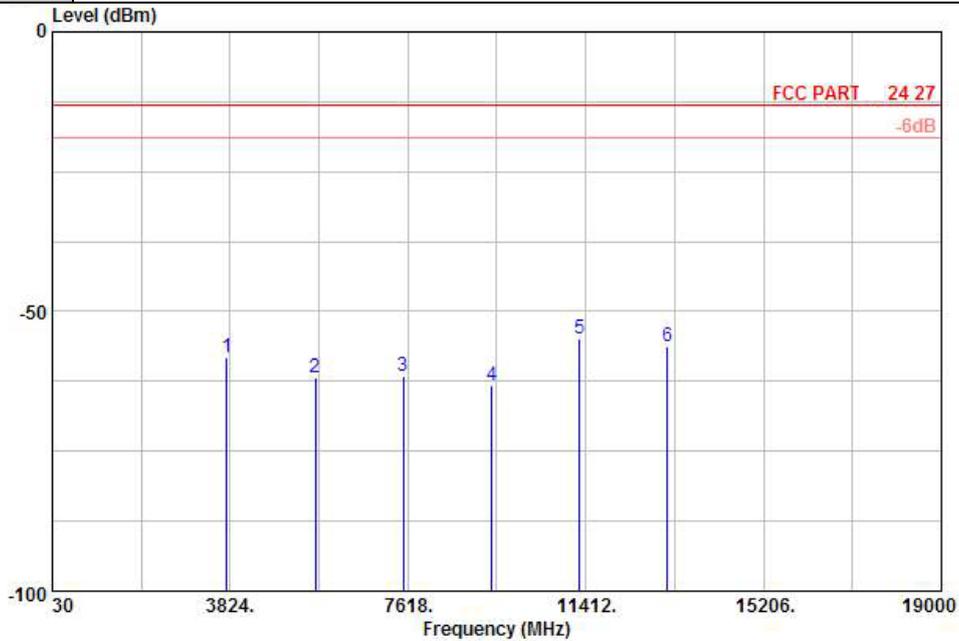


Site : 03CH01-KS
 Condition: FCC PART 24 27 HF EIRP FACTOR-09020 HORIZONTAL
 Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-62.81	-13	-49.81	-63.78	-69.19	0.78	7.16	H	Pass
5640	-60.69	-13	-47.69	-64.87	-69.23	1.04	9.58	H	Pass
7520	-60.90	-13	-47.90	-66.03	-71.01	1.35	11.46	H	Pass
9400	-61.29	-13	-48.29	-64.55	-72.35	1.75	12.81	H	Pass
11280	-55.37	-13	-42.37	-66.86	-66.46	2	13.09	H	Pass
13160	-55.31	-13	-42.31	-66.61	-67.02	2.04	13.75	H	Pass



Band :	LTE Band 2	Temperature :	21~22°C
Test Mode :	20MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	47~49%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



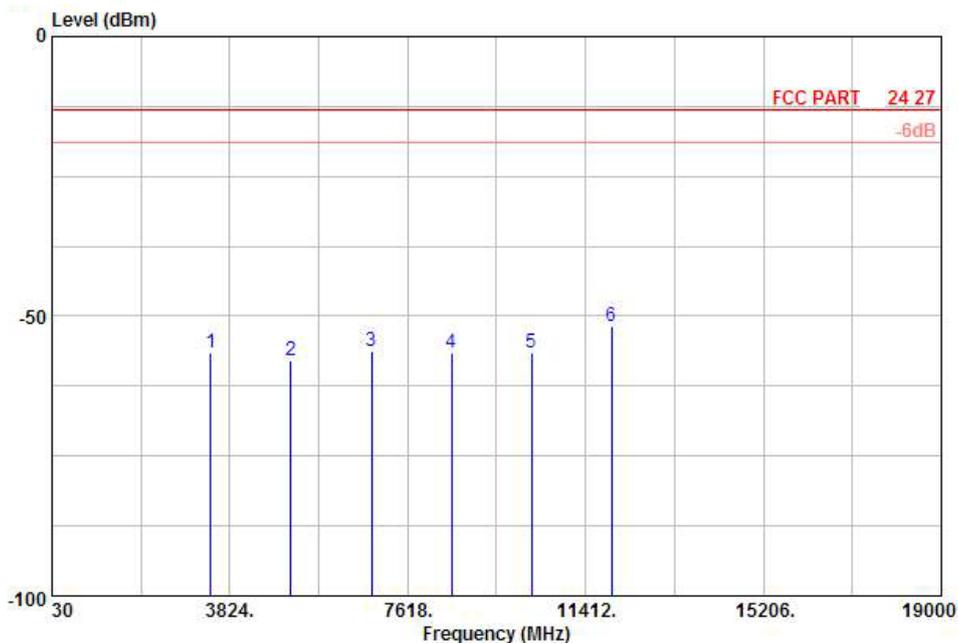
Site : 03CH01-KS
 Condition: FCC PART 24 27 HF EIRP FACTOR-09020 VERTICAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-58.20	-13	-45.20	-59.57	-64.58	0.78	7.16	V	Pass
5640	-61.88	-13	-48.88	-65.1	-70.42	1.04	9.58	V	Pass
7520	-61.49	-13	-48.49	-65.98	-71.60	1.35	11.46	V	Pass
9400	-63.15	-13	-50.15	-64.37	-74.21	1.75	12.81	V	Pass
11280	-55.01	-13	-42.01	-66.25	-66.10	2	13.09	V	Pass
13160	-56.20	-13	-43.20	-67.39	-67.91	2.04	13.75	V	Pass



Band :	LTE Band 4	Temperature :	21~22°C
Test Mode :	1.4MHz, QPSK, RB Size 1, RB Offset 5	Relative Humidity :	47~49%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



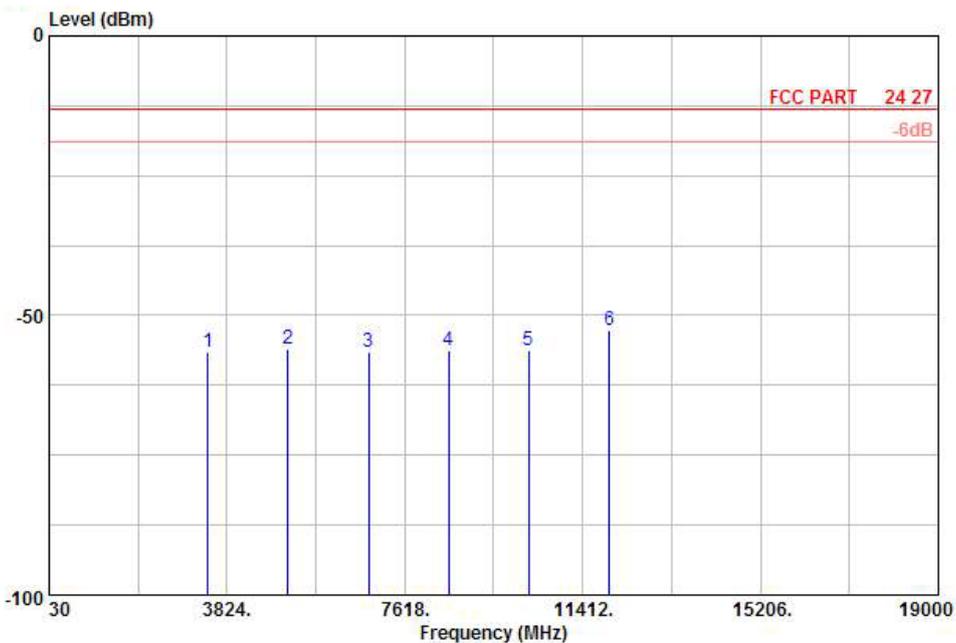
Site : 03CH01-KS
 Condition: FCC PART 24.27 HF EIRP FACTOR-09020 HORIZONTAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3421	-56.61	-13	-43.61	-62.90	-62.01	2.2	7.60	H	Pass
5132	-57.99	-13	-44.99	-65.09	-64.77	3.12	9.90	H	Pass
6843	-56.33	-13	-43.33	-65.39	-64.22	2.98	10.87	H	Pass
8554	-56.46	-13	-43.46	-64.53	-65.95	2.97	12.46	H	Pass
10264	-56.59	-13	-43.59	-69.33	-65.75	3.46	12.62	H	Pass
11974	-51.76	-13	-38.76	-65.78	-59.86	4.5	12.60	H	Pass



Band :	LTE Band 4	Temperature :	21~22°C
Test Mode :	1.4MHz, QPSK, RB Size 1, RB Offset 5	Relative Humidity :	47~49%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



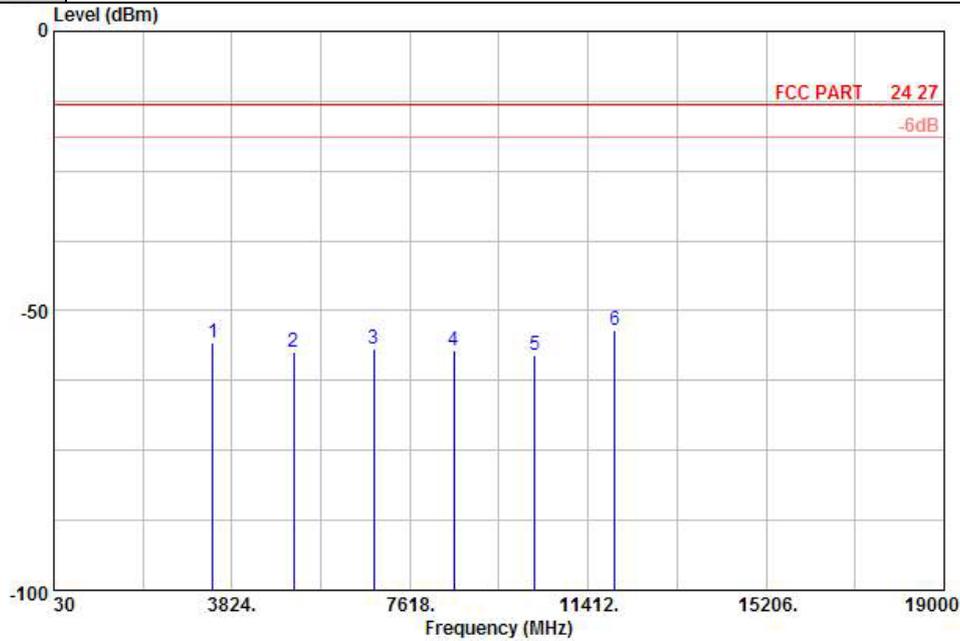
Site : 03CH01-KS
 Condition: FCC PART 24 27 HF EIRP FACTOR-09020 VERTICAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3421	-56.62	-13	-43.62	-60.89	-62.02	2.2	7.6	V	Pass
5132	-56.08	-13	-43.08	-65.24	-62.86	3.12	9.9	V	Pass
6843	-56.57	-13	-43.57	-65.33	-64.46	2.98	10.87	V	Pass
8553.5	-56.31	-13	-43.31	-64.98	-65.80	2.97	12.46	V	Pass
10264	-56.28	-13	-43.28	-69.07	-65.44	3.46	12.62	V	Pass
11975	-52.69	-13	-39.69	-67.03	-60.79	4.5	12.6	V	Pass



Band :	LTE Band 4	Temperature :	21~22°C
Test Mode :	3MHz, QPSK, RB Size 1, RB Offset 14	Relative Humidity :	47~49%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



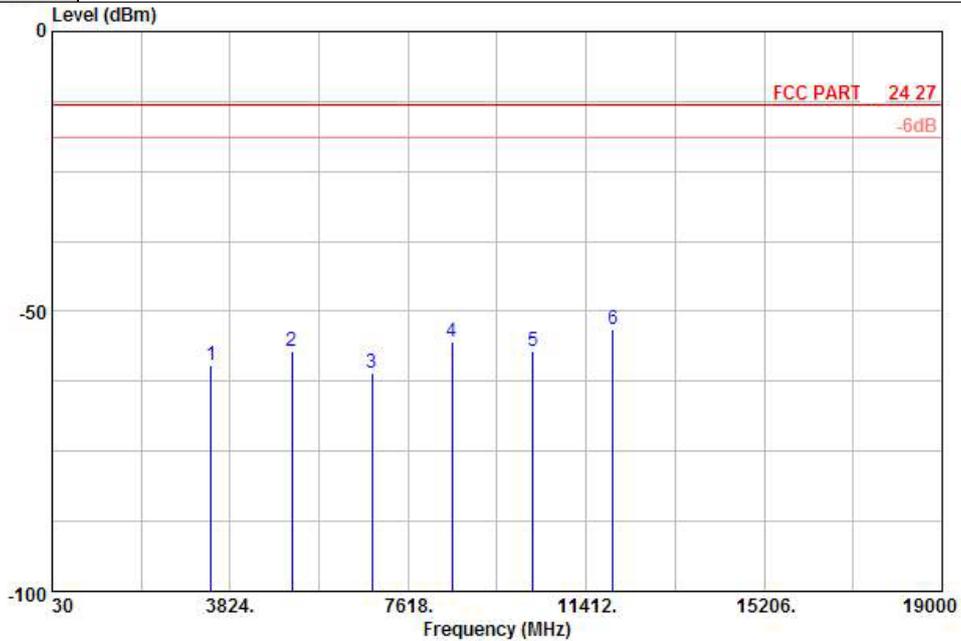
Site : 03CH01-KS
 Condition: FCC PART 24 27 HF EIRP FACTOR-09020 HORIZONTAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3423	-55.67	-13	-42.67	-61.96	-61.07	2.2	7.60	H	Pass
5134	-57.50	-13	-44.50	-64.60	-64.28	3.12	9.90	H	Pass
6846	-56.84	-13	-43.84	-65.90	-64.73	2.98	10.87	H	Pass
8557.5	-57.16	-13	-44.16	-65.23	-66.65	2.97	12.46	H	Pass
10269	-57.87	-13	-44.87	-70.61	-67.03	3.46	12.62	H	Pass
11980	-53.41	-13	-40.41	-67.43	-61.51	4.5	12.60	H	Pass



Band :	LTE Band 4	Temperature :	21~22°C
Test Mode :	3MHz, QPSK, RB Size 1, RB Offset 14	Relative Humidity :	47~49%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



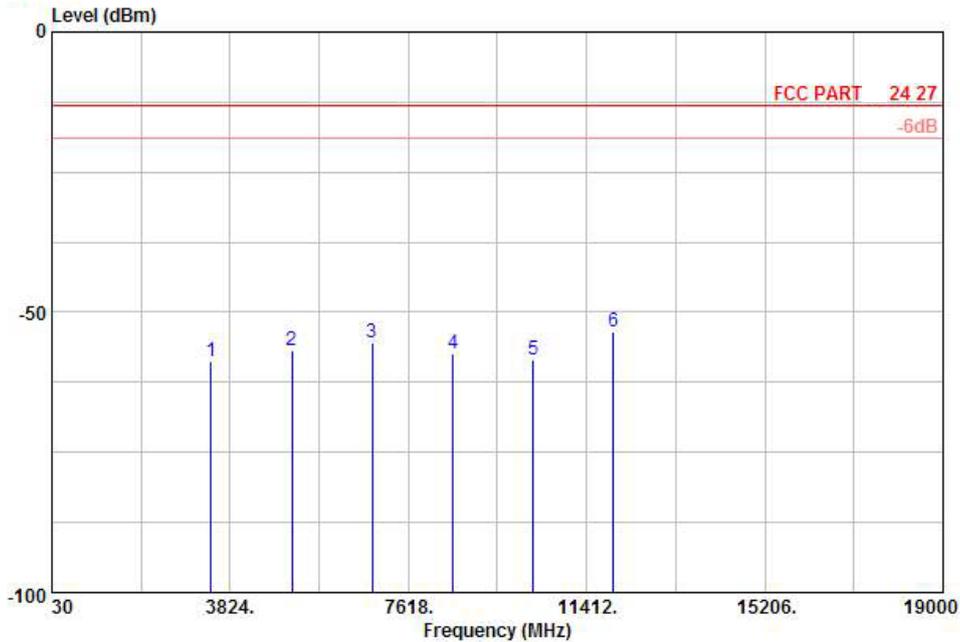
Site : 03CH01-KS
 Condition: FCC PART 24.27 HF EIRP FACTOR-09020 VERTICAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3423	-59.55	-13	-46.55	-63.82	-64.95	2.2	7.6	V	Pass
5134	-57.14	-13	-44.14	-66.3	-63.92	3.12	9.9	V	Pass
6846	-61.00	-13	-48.00	-69.76	-68.89	2.98	10.87	V	Pass
8557	-55.46	-13	-42.46	-64.13	-64.95	2.97	12.46	V	Pass
10269	-57.11	-13	-44.11	-69.9	-66.27	3.46	12.62	V	Pass
11980	-53.15	-13	-40.15	-67.49	-61.25	4.5	12.6	V	Pass



Band :	LTE Band 4	Temperature :	21~22°C
Test Mode :	5MHz, QPSK, RB Size 1, RB Offset 24	Relative Humidity :	47~49%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



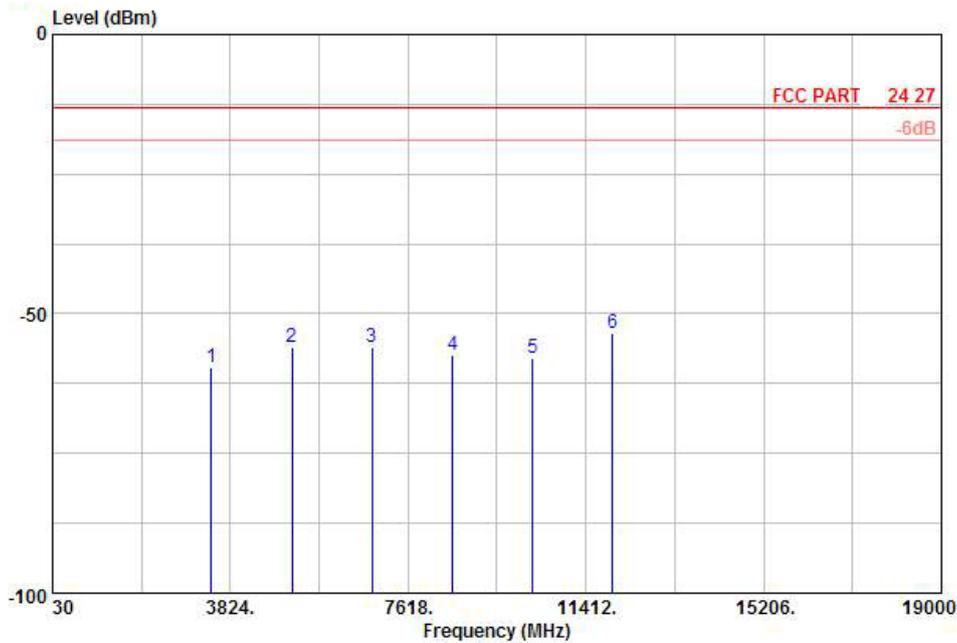
Site : 03CH01-KS
 Condition: FCC PART 24 27 HF EIRP FACTOR-09020 HORIZONTAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3425	-58.84	-13	-45.84	-65.13	-64.24	2.2	7.60	H	Pass
5137.5	-56.82	-13	-43.82	-63.92	-63.60	3.12	9.90	H	Pass
6850	-55.46	-13	-42.46	-64.52	-63.35	2.98	10.87	H	Pass
8562.5	-57.43	-13	-44.43	-65.50	-66.92	2.97	12.46	H	Pass
10275	-58.43	-13	-45.43	-71.17	-67.59	3.46	12.62	H	Pass
11987.5	-53.39	-13	-40.39	-67.41	-61.49	4.5	12.60	H	Pass



Band :	LTE Band 4	Temperature :	21~22°C
Test Mode :	5MHz, QPSK, RB Size 1, RB Offset 24	Relative Humidity :	47~49%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



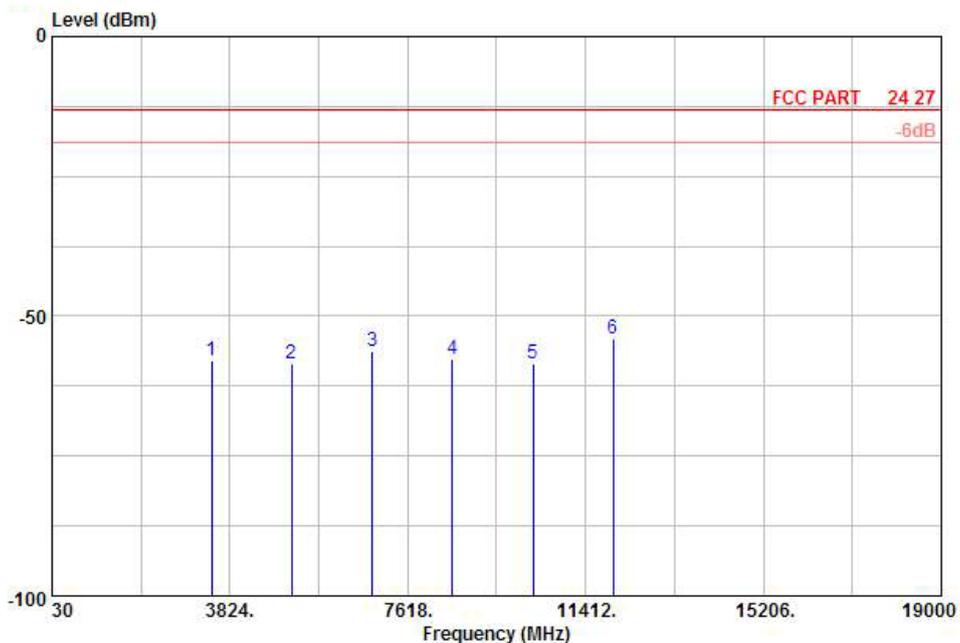
Site : 03CH01-KS
 Condition: FCC PART 24 27 HF EIRP FACTOR-09020 VERTICAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3425	-59.54	-13	-46.54	-63.81	-64.94	2.2	7.6	V	Pass
5137.5	-56.10	-13	-43.10	-65.26	-62.88	3.12	9.9	V	Pass
6850	-56.00	-13	-43.00	-64.76	-63.89	2.98	10.87	V	Pass
8562.5	-57.27	-13	-44.27	-65.94	-66.76	2.97	12.46	V	Pass
10275	-57.90	-13	-44.90	-70.69	-67.06	3.46	12.62	V	Pass
11987.5	-53.54	-13	-40.54	-67.88	-61.64	4.5	12.6	V	Pass



Band :	LTE Band 4	Temperature :	21~22°C
Test Mode :	10MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	47~49%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



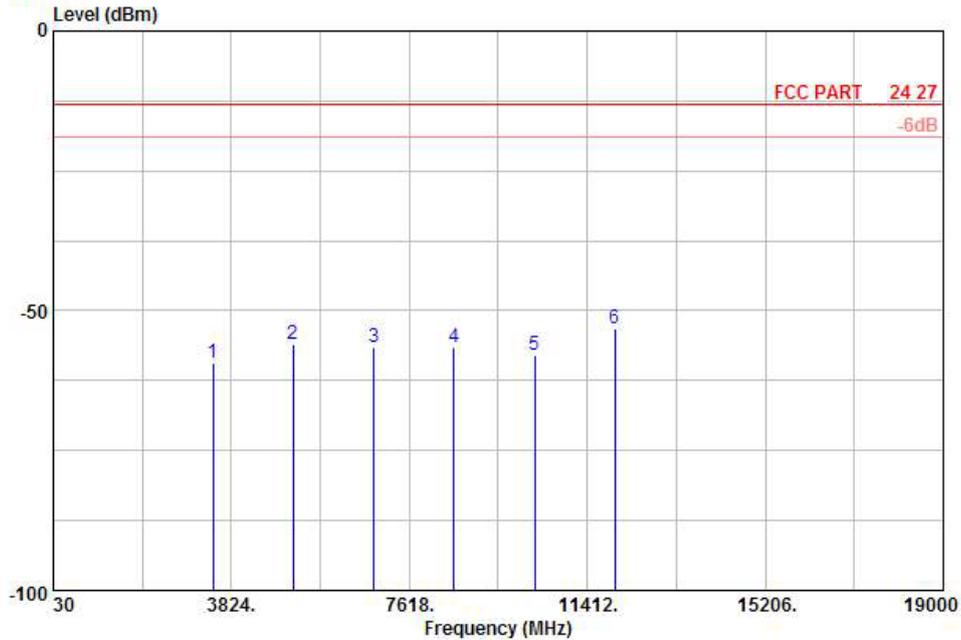
Site : 03CH01-KS
 Condition: FCC PART 24 27 HF EIRP FACTOR-09020 HORIZONTAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3430	-57.99	-13	-44.99	-64.28	-63.39	2.2	7.60	H	Pass
5145	-58.46	-13	-45.46	-65.56	-65.24	3.12	9.90	H	Pass
6860	-56.38	-13	-43.38	-65.44	-64.27	2.98	10.87	H	Pass
8575	-57.62	-13	-44.62	-65.69	-67.11	2.97	12.46	H	Pass
10290	-58.53	-13	-45.53	-71.27	-67.69	3.46	12.62	H	Pass
12005	-54.09	-13	-41.09	-68.11	-62.19	4.5	12.60	H	Pass



Band :	LTE Band 4	Temperature :	21~22°C
Test Mode :	10MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	47~49%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



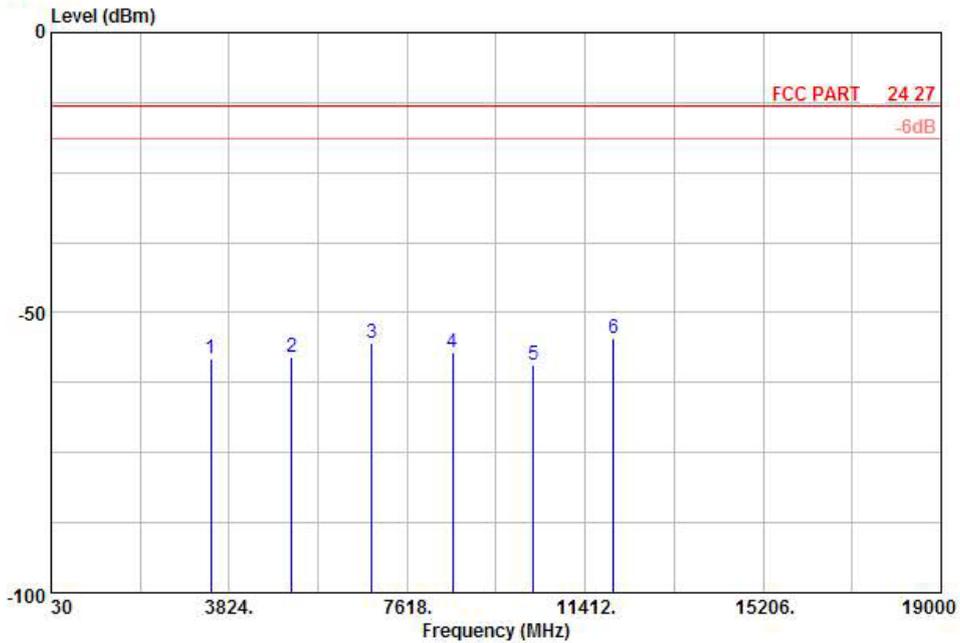
Site : 03CH01-KS
 Condition: FCC PART 24 27 HF EIRP FACTOR-09020 VERTICAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3430	-59.42	-13	-46.42	-63.69	-64.82	2.2	7.6	V	Pass
5145	-55.87	-13	-42.87	-65.03	-62.65	3.12	9.9	V	Pass
6860	-56.43	-13	-43.43	-65.19	-64.32	2.98	10.87	V	Pass
8575	-56.51	-13	-43.51	-65.18	-66.00	2.97	12.46	V	Pass
10290	-57.80	-13	-44.80	-70.59	-66.96	3.46	12.62	V	Pass
12005	-53.32	-13	-40.32	-67.66	-61.42	4.5	12.6	V	Pass



Band :	LTE Band 4	Temperature :	21~22°C
Test Mode :	15MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	47~49%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		

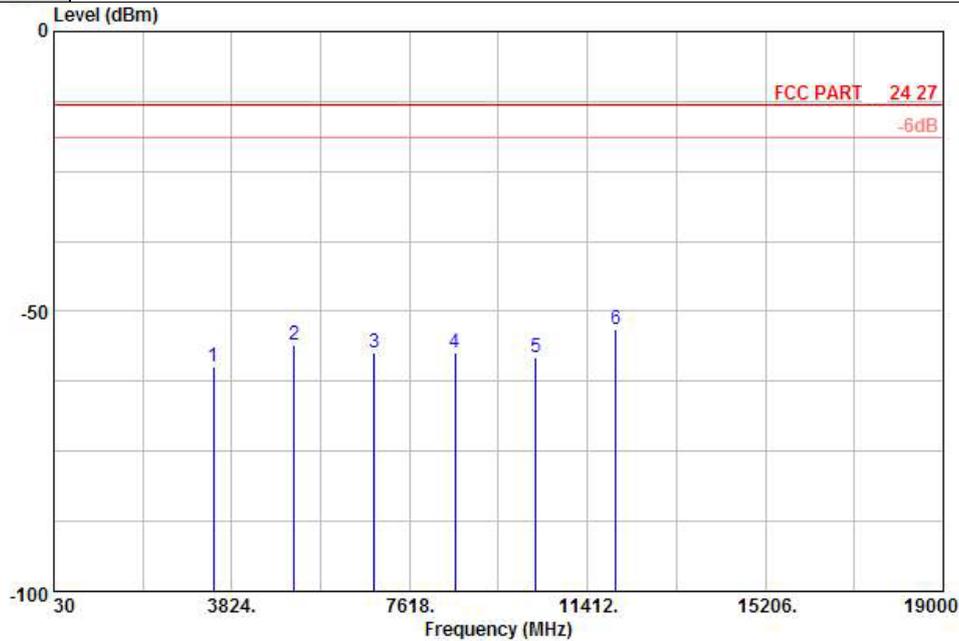


Site : 03CH01-KS
 Condition: FCC PART 24.27 HF EIRP FACTOR-09020 HORIZONTAL
 Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3435	-58.17	-13	-45.17	-64.46	-63.57	2.2	7.60	H	Pass
5153	-57.82	-13	-44.82	-64.92	-64.60	3.12	9.90	H	Pass
6870	-55.31	-13	-42.31	-64.37	-63.20	2.98	10.87	H	Pass
8587.5	-57.02	-13	-44.02	-65.09	-66.51	2.97	12.46	H	Pass
10305	-59.24	-13	-46.24	-71.98	-68.40	3.46	12.62	H	Pass
12022.5	-54.62	-13	-41.62	-68.64	-62.72	4.5	12.60	H	Pass



Band :	LTE Band 4	Temperature :	21~22°C
Test Mode :	15MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	47~49%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



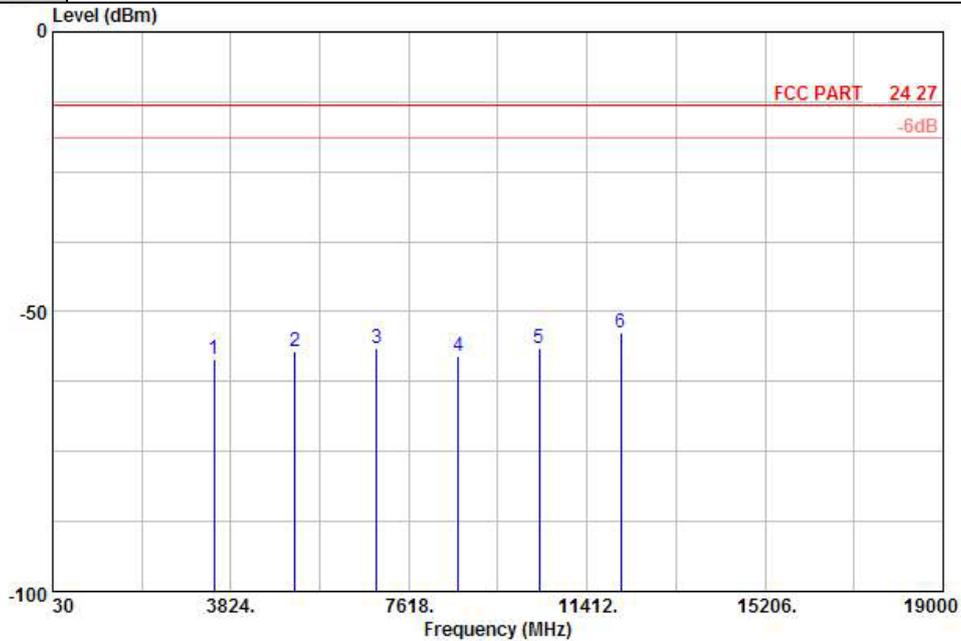
Site : 03CH01-KS
 Condition: FCC PART 24.27 HF EIRP FACTOR-09020 VERTICAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3435	-60.00	-13	-47.00	-64.27	-65.40	2.2	7.6	V	Pass
5153	-56.01	-13	-43.01	-65.17	-62.79	3.12	9.9	V	Pass
6870	-57.44	-13	-44.44	-66.2	-65.33	2.98	10.87	V	Pass
8587.5	-57.28	-13	-44.28	-65.95	-66.77	2.97	12.46	V	Pass
10305	-58.23	-13	-45.23	-71.02	-67.39	3.46	12.62	V	Pass
12022.5	-53.12	-13	-40.12	-67.46	-61.22	4.5	12.6	V	Pass



Band :	LTE Band 4	Temperature :	21~22°C
Test Mode :	20MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	47~49%
Test Engineer :	Steven Hao	Polarization :	Horizontal
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



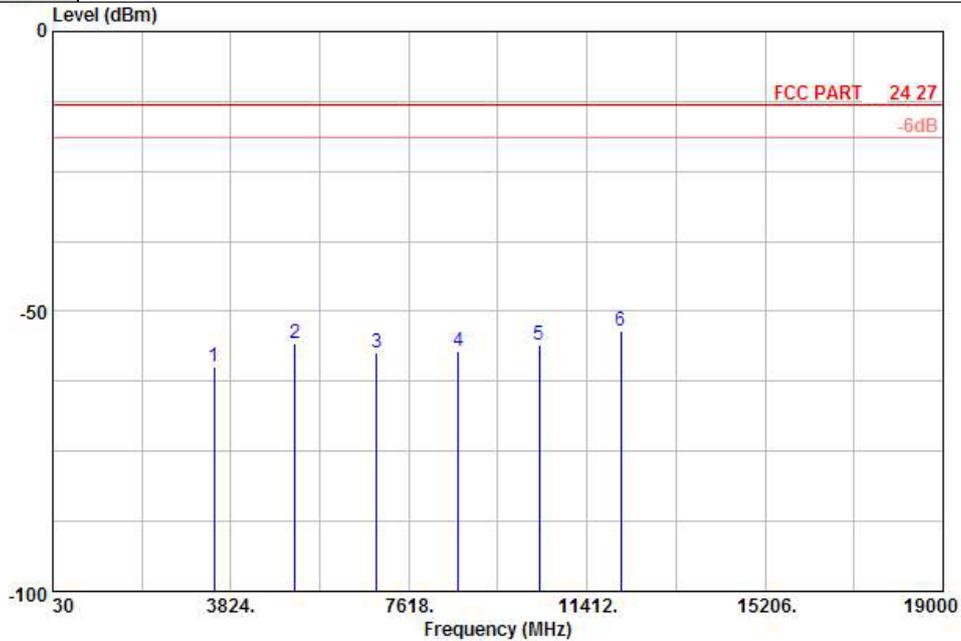
Site : 03CH01-KS
 Condition: FCC PART. 24 27 HF EIRP FACTOR-09020 HORIZONTAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3465	-58.46	-13	-45.46	-64.75	-63.86	2.2	7.60	H	Pass
5197.5	-57.22	-13	-44.22	-64.32	-64.00	3.12	9.90	H	Pass
6930	-56.66	-13	-43.66	-65.72	-64.55	2.98	10.87	H	Pass
8662.5	-58.01	-13	-45.01	-66.08	-67.50	2.97	12.46	H	Pass
10395	-56.64	-13	-43.64	-69.38	-65.80	3.46	12.62	H	Pass
12127.5	-53.70	-13	-40.70	-67.72	-61.80	4.5	12.60	H	Pass



Band :	LTE Band 4	Temperature :	21~22°C
Test Mode :	20MHz, QPSK, RB Size 1, RB Offset 0	Relative Humidity :	47~49%
Test Engineer :	Steven Hao	Polarization :	Vertical
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.		



Site : 03CH01-KS
 Condition: FCC PART 24.27 HF EIRP FACTOR-09020 VERTICAL

Plan : E2

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3465	-59.99	-13	-46.99	-64.26	-65.39	2.2	7.6	V	Pass
5197.5	-55.63	-13	-42.63	-64.79	-62.41	3.12	9.9	V	Pass
6930	-57.33	-13	-44.33	-66.09	-65.22	2.98	10.87	V	Pass
8662.5	-57.03	-13	-44.03	-65.7	-66.52	2.97	12.46	V	Pass
10395	-56.00	-13	-43.00	-68.79	-65.16	3.46	12.62	V	Pass
12127.5	-53.52	-13	-40.52	-67.86	-61.62	4.5	12.6	V	Pass

3.6 Frequency Stability Measurement

3.6.1 Description of Frequency Stability Measurement

The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized frequency band. For equipment authorization purposes, this is a reporting requirement only.

3.6.2 Measuring Instruments

See list of measuring instruments of this test report.

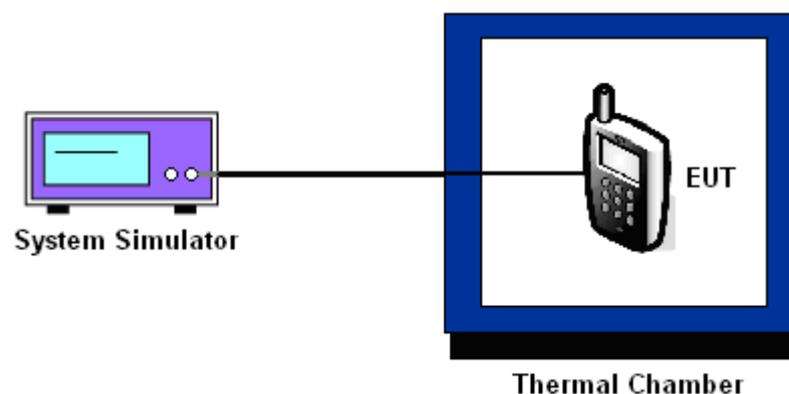
3.6.3 Test Procedures for Temperature Variation

1. The EUT was set up in the thermal chamber and connected with the system simulator.
2. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
3. With power OFF, the temperature was raised in 10°C step up to 50°C . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.
4. If the EUT cannot be turned on at -30°C , the testing lowest temperature will be raised in 10°C step until the EUT can be turned on.

3.6.4 Test Procedures for Voltage Variation

1. The EUT was placed in a temperature chamber at $25\pm 5^{\circ}\text{C}$ and connected with the system simulator.
2. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case

3.6.5 Test Setup



3.6.6 Test Result of Temperature Variation

Band :	LTE Band 2		Limit (ppm) :	2.5	
Temperature (°C)	1.4MHz		3MHz		Result
	Freq. Dev. (Hz)	Deviation (ppm)	Freq. Dev. (Hz)	Deviation (ppm)	
-30	-12.5	-0.018	9.8	0.014	PASS
-20	-11.9	-0.017	11.2	0.016	
-10	5.9	0.008	-13.2	-0.019	
0	-4.9	-0.007	12.8	0.018	
10	5.9	0.008	-8.9	-0.013	
20	2.8	0.004	9.4	0.013	
30	-11.5	-0.016	5.6	0.008	
40	9.8	0.014	4.1	0.006	
50	12.5	0.018	-6.1	-0.009	
55	10.3	0.015	9.4	0.013	

Note: The manufacturer declared that the EUT could work properly at temperature 55°C.

Band :	LTE Band 2		Limit (ppm) :	2.5	
Temperature (°C)	5MHz		10MHz		Result
	Freq. Dev. (Hz)	Deviation (ppm)	Freq. Dev. (Hz)	Deviation (ppm)	
-30	5.6	0.008	5.9	0.008	PASS
-20	9.9	0.014	-11.2	-0.016	
-10	12.5	0.018	10.5	0.015	
0	5.9	0.008	12.3	0.017	
10	6.4	0.009	-2.9	-0.004	
20	9.7	0.014	-11.9	-0.017	
30	-8.7	-0.012	15.6	0.022	
40	5.1	0.007	-14.9	-0.021	
50	-12.6	-0.018	-11.3	-0.016	
55	15.3	0.022	-8.9	-0.013	

Note: The manufacturer declared that the EUT could work properly at temperature 55°C.



Band :	LTE Band 2		Limit (ppm) :	2.5	
Temperature (°C)	15MHz		20MHz		Result
	Freq. Dev. (Hz)	Deviation (ppm)	Freq. Dev. (Hz)	Deviation (ppm)	
-30	6.9	0.010	5.6	0.008	PASS
-20	9.8	0.014	-12.5	-0.018	
-10	-8.7	-0.012	10.2	0.014	
0	-5.6	-0.008	13.5	0.019	
10	4.6	0.006	-15.2	-0.021	
20	-12.1	-0.017	-9.7	-0.014	
30	15.4	0.022	5.9	0.008	
40	-10.6	-0.015	6.9	0.010	
50	9.8	0.014	4.9	0.007	
55	10.7	0.015	10.6	0.015	

Note: The manufacturer declared that the EUT could work properly at temperature 55°C.

Band :	LTE Band 4		Limit (ppm) :	2.5	
Temperature (°C)	1.4MHz		3MHz		Result
	Freq. Dev. (Hz)	Deviation (ppm)	Freq. Dev. (Hz)	Deviation (ppm)	
-30	-1.5	-0.002	15.2	0.021	PASS
-20	12.3	0.017	11.2	0.016	
-10	-9.5	-0.013	-10.3	-0.015	
0	5.6	0.008	9.7	0.014	
10	9.8	0.014	5.6	0.008	
20	-11.6	-0.016	-4.3	-0.006	
30	19.5	0.027	10.6	0.015	
40	21.3	0.030	11.5	0.016	
50	-15.6	-0.022	-15.1	-0.021	
55	9.4	0.013	10.6	0.015	

Note: The manufacturer declared that the EUT could work properly at temperature 55°C.



Band :	LTE Band 4		Limit (ppm) :	2.5	
Temperature (°C)	5MHz		10MHz		Result
	Freq. Dev. (Hz)	Deviation (ppm)	Freq. Dev. (Hz)	Deviation (ppm)	
-30	12.3	0.017	12.3	0.017	PASS
-20	10.3	0.015	-11.5	-0.016	
-10	-6.9	-0.010	9.6	0.014	
0	-11.6	-0.016	-10.5	-0.015	
10	9.6	0.014	7.8	0.011	
20	-12.6	-0.018	9.9	0.014	
30	-9.6	-0.014	10.3	0.015	
40	10.3	0.015	-5.6	-0.008	
50	12.3	0.017	2.1	0.003	
55	-15.6	-0.022	0.6	0.001	

Note: The manufacturer declared that the EUT could work properly at temperature 55°C.

Band :	LTE Band 4		Limit (ppm) :	2.5	
Temperature (°C)	15MHz		20MHz		Result
	Freq. Dev. (Hz)	Deviation (ppm)	Freq. Dev. (Hz)	Deviation (ppm)	
-30	5.9	0.008	10.2	0.014	PASS
-20	-12.3	-0.017	-9.8	-0.014	
-10	-9.8	-0.014	6.3	0.009	
0	10.3	0.015	5.9	0.008	
10	-12.3	-0.017	-1.6	-0.002	
20	-10.3	-0.015	2.5	0.004	
30	-9.8	-0.014	-10.5	-0.015	
40	-4.5	-0.006	8.9	0.013	
50	10.3	0.015	-4.6	-0.006	
55	9.8	0.014	-12.3	-0.017	

Note: The manufacturer declared that the EUT could work properly at temperature 55°C.

3.6.7 Test Result of Voltage Variation

Band	Band Width & Channel	Voltage (Volt)	Freq. Dev. (Hz)	Deviation (ppm)	Limit (ppm)	Result
LTE Band 2	1.4MHz	3.8	5.6	0.008	2.5	PASS
		3.6	11.2	0.016		
		4.35	-10.3	-0.015		
	3MHz	3.8	-12.8	-0.018		
		3.6	2.5	0.004		
		4.35	13.6	0.019		
	5MHz	3.8	6.9	0.010		
		3.6	5.9	0.008		
		4.35	10.5	0.015		
	10MHz	3.8	-12.1	-0.017		
		3.6	8.9	0.013		
		4.35	-7.9	-0.011		
	15MHz	3.8	16.3	0.023		
		3.6	12.3	0.017		
		4.35	-15.6	-0.022		
20MHz	3.8	9.6	0.014			
	3.6	-5.9	-0.008			
	4.35	4.9	0.007			

Remark:

1. Normal Voltage = 3.8V.
2. Battery End Point (BEP) = 3.6 V.



Band	Band Width & Channel	Voltage (Volt)	Freq. Dev. (Hz)	Deviation (ppm)	Limit (ppm)	Result
LTE Band 4	1.4MHz	3.8	-10.6	-0.015	2.5	PASS
		3.6	-9.8	-0.014		
		4.35	10.6	0.015		
	3MHz	3.8	9.6	0.014		
		3.6	-4.3	-0.006		
		4.35	8.1	0.011		
	5MHz	3.8	-10.3	-0.015		
		3.6	2.9	0.004		
		4.35	6.5	0.009		
	10MHz	3.8	-10.3	-0.015		
		3.6	-3.5	-0.005		
		4.35	-5.9	-0.008		
	15MHz	3.8	10.9	0.015		
		3.6	-2.6	-0.004		
		4.35	0.6	0.001		
20MHz	3.8	-8.4	-0.012			
	3.6	2.6	0.004			
	4.35	-0.9	-0.001			

Remark:

1. Normal Voltage = 3.8V.
2. Battery End Point (BEP) = 3.6 V.



3.6.8 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSP40	100319	9kHz~40GHz	Dec. 30, 2011	Jul. 25, 2012~ Aug. 16, 2012	Dec. 29, 2012	Conducted (TH01-KS)
DC Power Supply	GWINSTEK	GPS-3030D	E1884515	N/A	Aug. 23, 2011	Jul. 25, 2012~ Aug. 16, 2012	Aug. 22, 2012	Conducted (TH01-KS)
Thermal Chamber	Ten Billion	TTC-B3S	TBN-960502	N/A	Dec. 30, 2011	Jul. 25, 2012~ Aug. 16, 2012	Dec. 29, 2012	Conducted (TH01-KS)
EMI Test Receiver	R&S	ESCI	100534	9kHz~3GHz	Nov. 09, 2011	Aug. 07, 2012 ~ Aug. 08, 2012	Nov. 08, 2012	Radiation (03CH01-KS)
Spectrum Analyzer	R&S	FSP40	100319	9kHz~40GHz	Dec. 30, 2011	Aug. 07, 2012 ~ Aug. 08, 2012	Dec. 29, 2012	Radiation (03CH01-KS)
Bilog Antenna	SCHAFFNER	CBL6112D	23182	25MHz~2GHz	Dec. 08, 2011	Aug. 07, 2012 ~ Aug. 08, 2012	Dec. 07, 2012	Radiation (03CH01-KS)
Double Ridge Horn Antenna	EMCO	3117	00075959	1GHz~18GHz	Jan. 06, 2012	Aug. 07, 2012 ~ Aug. 08, 2012	Jan. 05, 2013	Radiation (03CH01-KS)
Amplifier	Wireless	FPA-6592G	060007	30MHz~2GHz	Dec. 30, 2011	Aug. 07, 2012 ~ Aug. 08, 2012	Dec. 29, 2012	Radiation (03CH01-KS)
Amplifier	Agilent	8449B	3008A02370	1GHz~26.5GHz	Dec. 30, 2011	Aug. 07, 2012 ~ Aug. 08, 2012	Dec. 29, 2012	Radiation (03CH01-KS)
SHE-EHF Horn	Schwarzbeck	BBHA9170	BBHA170249	15GHz-40GHz	Oct. 11, 2011	Aug. 07, 2012 ~ Aug. 08, 2012	Oct. 10, 2012	Radiation (03CH01-KS)
Loop Antenna	R&S	HFH2-Z2	860004/00	9kHz~30 MHz	Jul. 28, 2012	Aug. 07, 2012 ~ Aug. 08, 2012	Jul. 27, 2013	Radiation (03CH01-KS)
LTE Base Station	Anritsu	MT8820C	6201074235	LTE_FDD full band	Dec. 30, 2011	Jul. 25, 2012~ Aug. 13, 2012	Dec. 29, 2012	-



4 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.54
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95%(U = 2Uc(y))	4.72
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Appendix A. Photographs of EUT

Please refer to Sporton report number EP271302B as below.