

FCC REPORT

Applicant: Unimax Communications

Address of Applicant: RM308-315, 3/F, Block A, Tsinghua Unis Inforport No.13
Langshan Road, HiTech Park(North), Nanshan District,
Shenzhen, PRC, 518057

Equipment Under Test (EUT)

Product Name: MIFI MXL655

Model No.: MXL655

FCC ID: P46-MXL655

Applicable standards: FCC CFR Title 47 Part 2
FCC CFR Title 47 Part 22 Subpart H
FCC CFR Title 47 Part 24 Subpart E
FCC CFR Title 47 Part 27 Subpart M
FCC CFR Title 47 Part 90 Subpart S

Date of sample receipt: 07 Apr., 2015

Date of Test: 07 Apr., to 03 Aug., 2015

Date of report issued: 03 Aug., 2015

Test Result: PASS*

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Bruce Zhang
Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the CCIS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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2. Version

Version No.	Date	Description
00	03 Aug., 2015	Original

Prepared by:

Sera Xiang

Date:

03 Aug., 2015

Report Clerk

Reviewed by:

Atomb Yang

Date:

03 Aug., 2015

Project Engineer

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4. Test Summary

Test Item	Section in CFR 47	Result
RF Exposure (SAR)	Part 1.1307 Part 2.1093	Passed* (Please refer to SAR Report)
RF Output Power	Part 2.1046 Part 22.913 (a)(2) Part 24.232 (c) Part 27.50 (h)(2) Part 90.635 (b)	Pass
Peak-to-Average Ratio	Part 24.232 (d)	Pass
Modulation Characteristics	Part 2.1047	Pass
99% & -26 dB Occupied Bandwidth	Part 2.1049 Part 22.917 Part 24.238 Part 27.53 Part 90.691 (a)	Pass
Spurious Emissions at Antenna Terminal	Part 2.1051 Part 22.917 (a) Part 24.238 (a) Part 27.53 (m) Part 90.691 (a)	Pass
Field Strength of Spurious Radiation	Part 2.1053 Part 22.917 (a) Part 24.238 (a) Part 27.53 (m) Part 90.691 (a)	Pass
Out of band emission, Band Edge	Part 22.917 (a) Part 24.238 (a) Part 27.53 (m) Part 90.691 (a)	Pass
Frequency stability vs. temperature	Part 2.1055(a)(1)(b)	Pass
Frequency stability vs. voltage	Part 2.1055(d)(1)(2)	Pass

Pass: The EUT complies with the essential requirements in the standard.

5. General Information

5.1 Client Information

Applicant:	Unimax Communications
Address of Applicant:	RM308-315, 3/F, Block A, Tsinghua Unis Inforport No.13 Langshan Road, HiTech Park(North), Nanshan District, Shenzhen, PRC, 518057
Manufacturer:	Unimax Communications
Address of Manufacturer:	RM308-315, 3/F, Block A, Tsinghua Unis Inforport No.13 Langshan Road, HiTech Park(North), Nanshan District, Shenzhen, PRC, 518057
Factory:	Wittis Communication Technology Ltd.
Address of Factory:	Jingzhou city, hubei province city sand sand cen xingfa industrial park road

5.2 General Description of E.U.T.

Product Name:	MIFI MXL655
Model No.:	MXL655
Operation Frequency range:	LTE Band 25: TX: 1850MHz-1915MHz, RX: 1930MHz-1995MHz LTE Band 26: TX: 814MHz-849MHz, RX: 859MHz-894MHz LTE Band 41: TX: 2496MHz -2690MHz, RX: 2496MHz-2690MHz
Modulation type:	QPSK, 16QAM
Antenna type:	Internal Antenna
Antenna gain:	LTE Band 25: -3 dBi LTE Band 26: -5 dBi LTE Band 41: -2 dBi
AC adapter:	Model: WTA0501000USA1 Input: AC 100-240V 50/60Hz 0.3A Output: DC 5V, 1000mA
Power supply:	Rechargeable Li-ion Battery DC3.7V/1600mAh

Operation Frequency List:

LTE Band 25(1.4MHz)		LTE Band 25(3MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
26047	1850.70	26055	1851.50
26048	1850.80	26056	1851.60
....			
26364	1882.40	26364	1882.40
26365	1882.50	26365	1882.50
26366	1882.60	26366	1882.60
...	...	...	...
26682	1914.20	26674	1913.40
26683	1914.30	26675	1913.50
LTE Band 25(5MHz)		LTE Band 25(10MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
26065	1852.50	26090	1855.00
26066	1852.60	26091	1855.10
....			
26364	1882.40	26364	1882.40
26365	1882.50	26365	1882.50
26366	1882.60	26366	1882.60
...	...	...	...
26664	1912.40	26639	1909.90
26665	1912.50	26640	1910.00
LTE Band 25(15MHz)		LTE Band 25(20MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
26115	1857.50	26140	1860.00
26116	1857.60	26141	1860.10
....			
26364	1882.40	26364	1882.40
26365	1882.50	26365	1882.50
26366	1882.60	26366	1882.60
...	...	...	...
26614	1907.40	26589	1904.90
26615	1907.50	26590	1905.00

LTE Band 26(1.4MHz)		LTE Band 26(3MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
26697	814.70	26705	815.50
26698	814.80	26706	815.60
....			
26783	823.30	26775	822.50
26797	824.70	26805	825.50
26798	824.80	26806	825.60
...	...	...	...
27032	848.20	27024	847.40
27033	848.30	27025	847.50
LTE Band 26(5MHz)		LTE Band 26(10MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
26715	816.50	26740	819.00
26716	816.60		
....			
26765	821.50		
26815	826.50	26840	829.00
26816	826.60	26841	829.10
...	...	...	...
27014	846.40	26989	843.90
27015	846.50	26990	844.00
LTE Band 26(15MHz)			
Channel	Frequency (MHz)		
26765	821.50		
....			
....			
....			
26865	831.50		
26866	831.60		
...	...		
26964	841.40		
26965	841.50		

LTE Band 41(5MHz)		LTE Band 41(10MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
39675	2498.50	39700	2501.00
39676	2498.60	39701	2501.10
....			
40619	2592.90	40619	2592.90
40620	2593.00	40620	2593.00
40621	2593.10	40621	2593.10
...	...	...	...
41564	2687.40	41539	2684.90
41565	2687.50	41540	2685.00
LTE Band 41(15MHz)		LTE Band 41(20MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
39675	2498.50	39700	2501.00
39676	2498.60	39701	2501.10
....			
40619	2592.90	40619	2592.90
40620	2593.00	40620	2593.00
40621	2593.10	40621	2593.10
...	...	...	...
41564	2687.40	41539	2684.90
41565	2687.50	41540	2685.00

Regards to the operating frequency range, the lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channels as below:

LTE Band 25(1.4MHz)			LTE Band 25(3MHz)		
Channel		Frequency (MHz)	Channel		Frequency (MHz)
Lowest channel	26047	1850.70	Lowest channel	26055	1851.50
Middle channel	26365	1882.50	Middle channel	26365	1882.50
Highest channel	26683	1914.30	Highest channel	26675	1913.50
LTE Band 25(5MHz)			LTE Band 25(10MHz)		
Channel		Frequency (MHz)	Channel		Frequency (MHz)
Lowest channel	26065	1852.50	Lowest channel	26090	1855.00
Middle channel	26365	1882.50	Middle channel	26365	1882.50
Highest channel	26665	1912.50	Highest channel	26640	1910.00
LTE Band 25(15MHz)			LTE Band 25(20MHz)		
Channel		Frequency (MHz)	Channel		Frequency (MHz)
Lowest channel	26115	1857.50	Lowest channel	26140	1860.00
Middle channel	26365	1882.50	Middle channel	26365	1882.50
Highest channel	26615	1907.50	Highest channel	26590	1905.00

LTE Band 26(1.4MHz) for Part 22			LTE Band 26(1.4MHz) for Part 90		
Channel		Frequency (MHz)	Channel		Frequency (MHz)
Lowest channel	26797	824.7	Lowest channel	26697	814.7
Middle channel	26915	836.5	Middle channel	26740	819.0
Highest channel	27033	848.3	Highest channel	26783	823.3
LTE Band 26(3MHz) for Part 22			LTE Band 26(3MHz) for Part 90		
Channel		Frequency (MHz)	Channel		Frequency (MHz)
Lowest channel	26805	825.5	Lowest channel	26705	815.5
Middle channel	26915	836.5	Middle channel	26740	819.0
Highest channel	27025	847.5	Highest channel	26775	822.5
LTE Band 26(5MHz) for Part 22			LTE Band 26(5MHz) for Part 90		
Channel		Frequency (MHz)	Channel		Frequency (MHz)
Lowest channel	26815	826.5	Lowest channel	26715	816.5
Middle channel	26915	836.5	Middle channel	26740	819.0
Highest channel	27015	846.5	Highest channel	26765	821.5
LTE Band 26(10MHz) for Part 22			LTE Band 26(10MHz) for Part 90		
Channel		Frequency (MHz)	Channel		Frequency (MHz)
Lowest channel	26840	829.0	Lowest channel	/	/
Middle channel	26915	836.5	Middle channel	26740	819.0
Highest channel	26990	844.0	Highest channel	/	/

LTE Band 26(15MHz) for Part 22H			LTE Band 26(15MHz) (Straddling Part 22H, 90S)		
Channel		Frequency (MHz)	Channel		Frequency (MHz)
Lowest channel	26865	831.5	Lowest channel	26765	821.5
Middle Channel	26915	836.5			
Highest channel	26965	841.5			
LTE Band 41(5MHz)			LTE Band 41(10MHz)		
Channel		Frequency (MHz)	Channel		Frequency (MHz)
Lowest channel	39675	2498.50	Lowest channel	39700	2501.00
Middle channel	40620	2593.00	Middle channel	40620	2593.00
Highest channel	41565	2687.50	Highest channel	41540	2685.00
LTE Band 41(15MHz)			LTE Band 41(20MHz)		
Channel		Frequency (MHz)	Channel		Frequency (MHz)
Lowest channel	39725	2503.50	Lowest channel	39750	2506.00
Middle channel	40620	2593.00	Middle channel	40620	2593.00
Highest channel	41515	2682.50	Highest channel	41490	2680.00

5.3 Test modes

Data mode (LTE band 25(QPSK))	Keep the EUT in data communicating mode on LTE band 25(QPSK). (LTE band 25(1.4MHz), LTE band 25(3MHz), LTE band 25(5MHz), LTE band 25(10MHz), LTE band 25(15MHz), LTE band 25(20MHz))
Data mode (LTE band 25(16QAM))	Keep the EUT in data communicating mode on LTE band 25(16QAM). (LTE band 25(1.4MHz), LTE band 25(3MHz), LTE band 25(5MHz), LTE band 25(10MHz), LTE band 25(15MHz), LTE band 25(20MHz))
Data mode (LTE band 26(QPSK))	Keep the EUT in data communicating mode on LTE band 26(QPSK). (LTE band 26(1.4MHz), LTE band 26(3MHz), LTE band 26(5MHz), LTE band 26(10MHz), LTE band 26(15MHz))
Data mode (LTE band 26(16QAM))	Keep the EUT in data communicating mode on LTE band 26(16QAM). (LTE band 26(1.4MHz), LTE band 26(3MHz), LTE band 26(5MHz), LTE band 26(10MHz), LTE band 26(15MHz))
Data mode (LTE band 41(QPSK))	Keep the EUT in data communicating mode on LTE band 41(QPSK). (LTE band 41(5MHz), LTE band 41(10MHz), LTE band 41(15MHz), LTE band 41(20MHz))
Data mode (LTE band 41(16QAM))	Keep the EUT in data communicating mode on LTE band 41(16QAM). (LTE band 41(5MHz), LTE band 41(10MHz), LTE band 41(15MHz), LTE band 41(20MHz))
Remark:	Just the worst case data were shown in the report.

5.4 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is filing to comply with Section Part 22 subpart H Part 24 subpart E and Part 27 subpart M of the FCC CFR 47 Rules.

5.5 Test Methodology

Both conducted and radiated testing were performed according to the procedures document on TIA/EIA 603 and FCC CFR 47 clause 2.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055 and 2.1057

5.6 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **FCC - Registration No.: 817957**

Shenzhen Zhongjian Nanfang Testing Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 817957, February 27, 2012.

- **IC - Registration No.: 10106A-1**

The 3m Semi-anechoic chamber of Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

- **CNAS - Registration No.: CNAS L6048**

Shenzhen Zhongjian Nanfang Testing Co., Ltd. is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L6048.

5.7 Laboratory Location

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Address: No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road,
Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755-23118282

Fax: +86-755-23116366

5.8 Test Instruments list

Radiated Emission:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
1	3m Semi - Anechoic Chamber	SAEMC	9(L)*6(W)* 6(H)	CCIS0001	08-23-2014	08-22-2017
2	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	CCIS0005	03-28-2015	03-28-2016
3	Double - ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	CCIS0006	03-28-2015	03-28-2016
4	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
5	Amplifier (10kHz-1.3GHz)	HP	8447D	CCIS0003	04-01-2015	03-31-2016
6	Amplifier (1GHz-18GHz)	Compliance Direction Systems Inc.	PAP-1G18	CCIS0011	04-01-2015	03-31-2016
7	Pre-amplifier (18-26.5GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	04-01-2015	03-31-2016
8	Horn Antenna	ETS-LINDGREN	3160	GTS217	04-01-2015	03-31-2016
9	Printer	HP	HP LaserJet P1007	N/A	N/A	N/A
10	Positioning Controller	UC	UC3000	CCIS0015	N/A	N/A
11	Spectrum analyzer 9k-30GHz	Rohde & Schwarz	FSP	CCIS0023	03-28-2015	03-28-2016
12	EMI Test Receiver	Rohde & Schwarz	ESCI	CCIS0002	03-28-2015	03-28-2016
13	Loop antenna	Laplace instrument	RF300	EMC0701	04-01-2015	03-31-2016
14	Wideband Radio Communication Tester	Rhode & Schwarz	CMW500	140330	05-29-2014	05-28-2015
15	Signal Analyzer	Rohde & Schwarz	FSIQ3	CCIS0088	04-01-2015	04-01-2016
16	Temperature and humidity chamber	Foshan Hengpu	HPGDS-500	CCIS0240	11-18-2014	11-17-2015

6. System test configuration

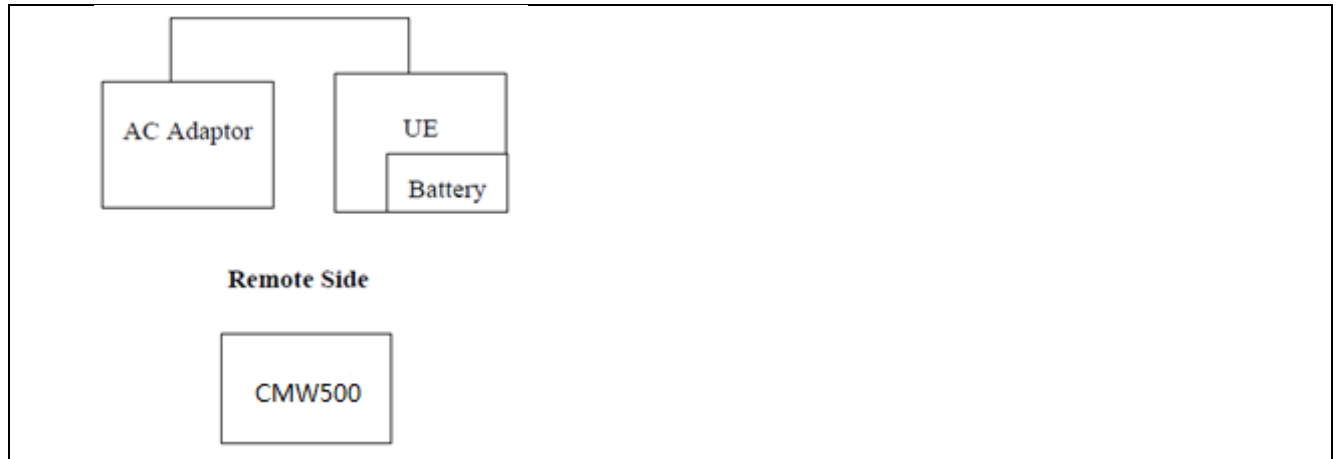
6.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the commission's requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

6.2 EUT Exercise

The EUT (Transmitter) was operated in the engineering mode to fix the Tx frequency which was for the purpose of the measurements.

6.3 Configuration of Tested System



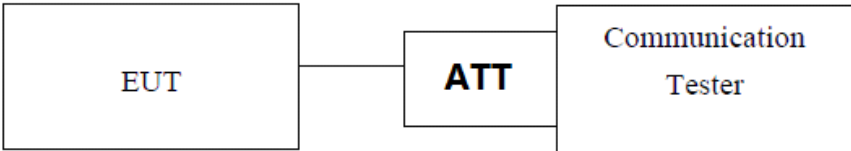
6.4 Description of Test Modes

The EUT has been tested under operating condition.

EUT staying in continuous transmitting mode. Channel Low, Mid and High for each type band with rated data rate were chosen for full testing.

The field strength of spurious radiation emission was measured as EUT stand-up position (H mode) and lie down position (E1, E2 mode) for three modes (LTE Band 25, LTE Band 26 and LTE Band 41) with power adaptor, earphone and Data cable. The worst-case H mode for LTE Band 25, LTE Band 26 and LTE Band 41.

6.5 Conducted Output Power

Test Requirement:	FCC Part 22.913 (a), part 24.232(c), part 27.50(h) and part 90.635(b)
Test Method:	FCC Part 2.1046
Limit:	LTE Band 25: 2W LTE Band 26: 7W (for Part 22H), 100W (for Part 90S) LTE Band 41: 2W
Test setup:	 <i>Note: Measurement setup for testing on Antenna connector</i>
Test Procedure:	The transmitter output was connected to a calibrated attenuator, the other end of which was connected to the CMW500. Transmitter output power was read off in dBm.
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data

LTE Band 25 part

Frequency (MHz)	Channel No.	Modulation	BW (MHz)	RB Size	RB Offset	Ave. Power (dBm)
1850.70	26047	QPSK	1.4	1	0	21.35
				1	2	21.54
				1	5	21.54
				3	0	21.59
				3	1	21.56
				3	2	21.52
		6		0	20.62	
		16QAM		1	0	20.26
				1	2	20.64
				1	5	20.61
				3	0	20.68
				3	1	20.69
				3	2	20.55
				6	0	19.56
1882.50	26365		QPSK	1.4	1	0
		1			2	22.87
		1			5	22.95
		3			0	22.94
		3			1	22.86
		3			2	22.82
		6	0		21.98	
		16QAM	1		0	22.33
			1		2	21.98
			1		5	21.88
			3		0	22.10
			3		1	21.97
			3		2	21.79
			6		0	20.95
1914.30	26683		QPSK	1.4	1	0
		1			2	21.20
		1			5	21.09
		3			0	21.21
		3			1	21.24
		3			2	21.18
		6	0		20.22	
		16QAM	1		0	20.17
			1		2	20.05
			1		5	20.15
			3		0	20.59
			3		1	20.41
			3		2	20.33
			6		0	19.19

Frequency (MHz)	Channel No.	Modulation	BW (MHz)	RB Size	RB Offset	Ave. Power (dBm)
1851.50	26055	QPSK	3.0	1	0	21.59
				1	7	21.67
				1	14	21.55
				8	0	20.66
				8	4	20.82
				8	7	20.67
				15	0	20.75
		16QAM		1	0	21.01
				1	7	21.06
				1	14	20.29
				8	0	19.87
				8	4	19.80
				8	7	19.77
				15	0	19.80
1882.50	26365	QPSK	3.0	1	0	23.00
				1	7	22.99
				1	14	22.99
				8	0	22.08
				8	4	21.98
				8	7	22.03
				15	0	22.06
		16QAM		1	0	22.10
				1	7	22.19
				1	14	22.38
				8	0	20.96
				8	4	20.88
				8	7	20.96
				15	0	21.08
1913.50	26675	QPSK	3.0	1	0	21.26
				1	7	21.33
				1	14	21.04
				8	0	20.30
				8	4	20.30
				8	7	20.16
				15	0	20.43
		16QAM		1	0	20.45
				1	7	20.56
				1	14	20.27
				8	0	19.44
				8	4	19.49
				8	7	19.33
				15	0	19.41

Frequency (MHz)	Channel No.	Modulation	BW (MHz)	RB Size	RB Offset	Ave. Power (dBm)
1852.50	26065	QPSK	5.0	1	0	21.66
				1	12	21.81
				1	24	22.97
				12	0	20.72
				12	6	20.74
				12	11	22.14
				25	0	22.09
		16QAM		1	0	20.57
				1	12	20.54
				1	24	21.93
				12	0	19.97
				12	6	19.64
				12	11	21.25
				25	0	21.08
1882.50	26365	QPSK	5.0	1	0	23.09
				1	12	22.99
				1	24	22.83
				12	0	22.14
				12	6	22.03
				12	11	22.03
				25	0	22.02
		16QAM		1	0	22.05
				1	12	22.07
				1	24	22.04
				12	0	21.20
				12	6	21.23
				12	11	21.18
				25	0	21.06
1912.50	26665	QPSK	5.0	1	0	22.69
				1	12	21.25
				1	24	21.10
				12	0	21.77
				12	6	20.21
				12	11	20.23
				25	0	21.61
		16QAM		1	0	21.56
				1	12	20.64
				1	24	20.41
				12	0	20.93
				12	6	19.35
				12	11	19.45
				25	0	20.77

Frequency (MHz)	Channel No.	Modulation	BW (MHz)	RB Size	RB Offset	Ave. Power (dBm)
1855.00	26090	QPSK	10.0	1	0	21.66
				1	24	23.13
				1	49	23.07
				25	0	22.14
				25	12	22.05
				25	24	21.98
				50	0	21.86
		16QAM		1	0	20.76
				1	24	21.83
				1	49	22.68
				25	0	21.26
				25	12	21.10
				25	24	21.14
				50	0	20.94
1882.50	26365	QPSK	10.0	1	0	23.11
				1	24	23.17
				1	49	22.92
				25	0	22.10
				25	12	22.01
				25	24	21.97
				50	0	21.95
		16QAM		1	0	22.37
				1	24	22.39
				1	49	22.25
				25	0	21.25
				25	12	21.14
				25	24	21.11
				50	0	21.01
1910.00	26640	QPSK	10.0	1	0	23.22
				1	24	22.86
				1	49	21.40
				25	0	21.89
				25	12	21.66
				25	24	21.75
				50	0	21.57
		16QAM		1	0	22.15
				1	24	22.17
				1	49	20.48
				25	0	20.95
				25	12	20.92
				25	24	20.96
				50	0	20.67

Frequency (MHz)	Channel No.	Modulation	BW (MHz)	RB Size	RB Offset	Average (dBm)
1857.50	26115	QPSK	15.0	1	0	21.96
				1	37	23.24
				1	74	23.77
				36	0	22.21
				36	18	22.06
				36	37	22.12
				75	0	22.01
		16QAM		1	0	21.47
				1	37	22.78
				1	74	22.72
				36	0	21.34
				36	18	21.16
				36	37	21.51
				75	0	21.09
1882.50	26365	QPSK	15.0	1	0	23.25
				1	37	23.27
				1	74	23.05
				36	0	22.18
				36	18	22.08
				36	37	22.07
				75	0	22.09
		16QAM		1	0	22.72
				1	37	22.70
				1	74	22.75
				36	0	21.31
				36	18	21.16
				36	37	21.17
				75	0	21.15
1907.50	26615	QPSK	15.0	1	0	22.94
				1	37	23.04
				1	74	21.38
				36	0	21.88
				36	18	21.91
				36	37	21.69
				75	0	21.75
		16QAM		1	0	22.41
				1	37	22.53
				1	74	20.79
				36	0	20.93
				36	18	21.02
				36	37	20.94
				75	0	20.80

Frequency (MHz)	Channel No.	Modulation	BW (MHz)	RB Size	RB Offset	Ave. Power (dBm)
1860.00	26140	QPSK	20.0	1	0	22.08
				1	49	23.70
				1	99	23.09
				50	0	22.02
				50	24	22.44
				50	49	22.00
		100		0	22.00	
		16QAM		1	0	21.51
				1	49	22.84
				1	99	22.59
				50	0	21.18
				50	24	21.52
				50	49	21.09
				100	0	21.10
1882.50	26365		QPSK	20.0	1	0
		1			49	23.34
		1			99	23.04
		50			0	22.12
		50			24	22.09
		50			49	22.00
		100	0		21.14	
		16QAM	1		0	22.71
			1		49	22.72
			1		99	22.55
			50		0	21.22
			50		24	21.26
			50		49	21.00
			100		0	21.19
1905.00	26590		QPSK	20.0	1	0
		1			49	23.03
		1			99	21.36
		50			0	21.89
		50			24	21.74
		50			49	21.74
		100	0		21.82	
		16QAM	1		0	22.56
			1		49	22.85
			1		99	20.87
			50		0	20.95
			50		24	20.82
			50		49	20.72
			100		0	20.90

LTE Band 26 (part 90S)

Frequency (MHz)	Channel No.	Modulation	BW (MHz)	RB Size	RB Offset	Ave. Power (dBm)
814.70	26697	QPSK	1.4	1	0	22.88
				1	2	22.91
				1	5	22.92
				3	0	22.91
				3	1	22.92
				3	2	22.88
		6		0	21.89	
		16QAM		1	0	22.21
				1	2	22.17
				1	5	22.10
				3	0	22.07
				3	1	22.11
				3	2	22.12
				6	0	20.88
819.0	26740		QPSK	1.4	1	0
		1			2	22.81
		1			5	22.68
		3			0	22.67
		3			1	22.63
		3			2	22.72
		6	0		21.68	
		16QAM	1		0	21.91
			1		2	21.92
			1		5	21.84
			3		0	21.90
			3		1	21.91
			3		2	21.93
			6		0	20.66
823.30	27033		QPSK	1.4	1	0
		1			2	22.33
		1			5	22.11
		3			0	22.24
		3			1	22.21
		3			2	22.28
		6	0		21.33	
		16QAM	1		0	21.72
			1		2	21.53
			1		5	21.47
			3		0	21.51
			3		1	21.46
			3		2	21.49
			6		0	20.22

Frequency (MHz)	Channel No.	Modulation	BW (MHz)	RB Size	RB Offset	Ave. Power (dBm)
815.50	26705	QPSK	3.0	1	0	22.90
				1	7	22.94
				1	14	22.79
				8	0	21.81
				8	4	21.86
				8	7	21.83
		15		0	21.80	
		16QAM		1	0	22.16
				1	7	22.26
				1	14	22.14
				8	0	20.94
				8	4	21.00
				8	7	20.96
				15	0	20.90
819.00	26740		QPSK	3.0	1	0
		1			7	22.78
		1			14	22.61
		8			0	21.54
		8			4	21.63
		8			7	21.78
		15	0		21.55	
		16QAM	1		0	21.87
			1		7	22.06
			1		14	22.09
			8		0	20.71
			8		4	20.87
			8		7	20.82
			15		0	20.71
822.50	26775		QPSK	3.0	1	0
		1			7	22.50
		1			14	22.12
		8			0	21.41
		8			4	21.53
		8			7	21.22
		15	0		21.54	
		16QAM	1		0	21.63
			1		7	21.70
			1		14	21.51
			8		0	20.52
			8		4	20.51
			8		7	20.36
			15		0	20.43

Frequency (MHz)	Channel No.	Modulation	BW (MHz)	RB Size	RB Offset	Ave. Power (dBm)
816.50	26715	QPSK	5.0	1	0	22.85
				1	12	22.91
				1	24	22.94
				12	0	21.87
				12	6	21.92
				12	11	21.85
				25	0	21.88
		16QAM		1	0	22.14
				1	12	22.21
				1	24	22.29
				12	0	20.99
				12	6	21.07
				12	11	20.99
				25	0	20.88
819.0	26740	QPSK	5.0	1	0	22.63
				1	12	22.88
				1	24	22.73
				12	0	21.51
				12	6	21.70
				12	11	21.71
				25	0	21.62
		16QAM		1	0	21.88
				1	12	22.11
				1	24	22.08
				12	0	20.70
				12	6	20.75
				12	11	20.81
				25	0	20.78
821.50	26765	QPSK	5.0	1	0	22.39
				1	12	22.56
				1	24	22.10
				12	0	21.53
				12	6	21.39
				12	11	21.28
				25	0	21.44
		16QAM		1	0	21.75
				1	12	21.62
				1	24	21.41
				12	0	20.66
				12	6	20.45
				12	11	20.32
				25	0	20.29

Frequency (MHz)	Channel No.	Modulation	BW (MHz)	RB Size	RB Offset	Ave. Power (dBm)
819.00	26740	QPSK	10.0	1	0	22.85
				1	24	22.95
				1	49	22.53
				25	0	21.85
				25	12	21.81
				25	24	21.75
				50	0	21.66
		16QAM		1	0	22.01
				1	24	22.25
				1	49	21.79
				25	0	20.94
				25	12	20.92
				25	24	20.87
				50	0	20.68

Frequency (MHz)	Channel No.	Modulation	BW (MHz)	RB Size	RB Offset	Average (dBm)
821.50	26765	QPSK	15.0	1	0	22.73
				1	37	22.84
				1	74	22.72
				36	0	21.80
				36	18	21.82
				36	37	21.65
				75	0	21.56
		16QAM		1	0	21.81
				1	37	22.01
				1	74	21.68
				36	0	20.82
				36	18	20.69
				36	37	20.51
				75	0	20.60

LTE Band 26 (part 22H)

Frequency (MHz)	Channel No.	Modulation	BW (MHz)	RB Size	RB Offset	Ave. Power (dBm)
824.70	26797	QPSK	1.4	1	0	22.62
				1	2	22.71
				1	5	22.55
				3	0	22.60
				3	1	22.64
				3	2	22.54
		6		0	21.37	
		16QAM		1	0	22.13
				1	2	22.04
				1	5	22.02
				3	0	21.89
				3	1	21.91
				3	2	21.93
		6		0	20.57	
836.50	26915	QPSK	1.4	1	0	22.48
				1	2	22.63
				1	5	22.59
				3	0	22.57
				3	1	22.55
				3	2	22.58
		6		0	21.52	
		16QAM		1	0	21.82
				1	2	21.85
				1	5	21.67
				3	0	21.69
				3	1	21.72
				3	2	21.70
				6	0	20.45
848.30	27033		QPSK	1.4	1	0
		1			2	22.39
		1			5	22.15
		3			0	22.28
		3			1	22.25
		3			2	22.22
		6	0		21.28	
		16QAM	1		0	21.68
			1		2	21.67
			1		5	21.50
			3		0	21.63
			3		1	21.62
			3		2	21.57
			6		0	20.32

Frequency (MHz)	Channel No.	Modulation	BW (MHz)	RB Size	RB Offset	Ave. Power (dBm)
825.50	26805	QPSK	3.0	1	0	22.73
				1	7	22.68
				1	14	22.54
				8	0	21.62
				8	4	21.57
				8	7	21.52
				15	0	21.48
		16QAM		1	0	22.02
				1	7	22.09
				1	14	22.06
				8	0	20.75
				8	4	20.87
				8	7	20.83
				15	0	20.88
836.50	26915	QPSK	3.0	1	0	22.45
				1	7	22.63
				1	14	22.41
				8	0	21.44
				8	4	21.39
				8	7	21.28
				15	0	21.33
		16QAM		1	0	21.42
				1	7	21.83
				1	14	21.81
				8	0	20.52
				8	4	20.48
				8	7	20.65
				15	0	20.56
847.50	27025	QPSK	3.0	1	0	22.47
				1	7	22.53
				1	14	22.17
				8	0	21.45
				8	4	21.47
				8	7	21.30
				15	0	21.40
		16QAM		1	0	21.76
				1	7	21.77
				1	14	21.58
				8	0	20.60
				8	4	20.58
				8	7	20.46
				15	0	20.52

Frequency (MHz)	Channel No.	Modulation	BW (MHz)	RB Size	RB Offset	Ave. Power (dBm)
826.50	26815	QPSK	5.0	1	0	22.43
				1	12	22.65
				1	24	22.62
				12	0	21.54
				12	6	21.59
				12	11	21.50
				25	0	21.44
		16QAM		1	0	22.02
				1	12	22.09
				1	24	22.11
				12	0	20.57
				12	6	20.83
				12	11	20.68
				25	0	20.45
836.50	26915	QPSK	5.0	1	0	22.23
				1	12	22.45
				1	24	22.33
				12	0	21.29
				12	6	21.38
				12	11	21.41
				25	0	21.34
		16QAM		1	0	21.51
				1	12	21.83
				1	24	21.76
				12	0	20.42
				12	6	20.53
				12	11	20.50
				25	0	20.28
846.50	27015	QPSK	5.0	1	0	22.46
				1	12	22.50
				1	24	22.15
				12	0	21.56
				12	6	21.46
				12	11	21.39
				25	0	21.42
		16QAM		1	0	21.83
				1	12	21.77
				1	24	21.46
				12	0	20.79
				12	6	20.70
				12	11	20.54
				25	0	20.42

Frequency (MHz)	Channel No.	Modulation	BW (MHz)	RB Size	RB Offset	Ave. Power (dBm)
829.00	26840	QPSK	10.0	1	0	22.57
				1	24	22.64
				1	49	22.32
				25	0	21.44
				25	12	21.47
				25	24	21.38
		50		0	21.56	
		1		0	21.87	
		1		24	22.03	
		1		49	21.54	
		25		0	20.73	
		25		12	20.56	
		25		24	20.42	
		50		0	20.35	
836.50	26915	QPSK	10.0	1	0	22.21
				1	24	22.53
				1	49	22.48
				25	0	21.32
				25	12	21.21
				25	24	21.19
		50		0	21.23	
		1		0	21.48	
		1		24	21.83	
		1		49	21.95	
		25		0	20.34	
		25		12	20.36	
		25		24	20.54	
		50		0	20.24	
844.00	26990	QPSK	10.0	1	0	22.31
				1	24	22.35
				1	49	22.28
				25	0	21.53
				25	12	21.57
				25	24	21.48
		50		0	21.34	
		1		0	21.94	
		1		24	21.87	
		1		49	21.49	
		25		0	20.68	
		25		12	20.71	
		25		24	20.70	
		50		0	20.43	

Frequency (MHz)	Channel No.	Modulation	BW (MHz)	RB Size	RB Offset	Average (dBm)
831.50	26865	QPSK	15.0	1	0	22.41
				1	37	22.54
				1	74	22.62
				36	0	21.53
				36	18	21.31
				36	37	21.23
				75	0	21.19
		16QAM		1	0	21.27
				1	37	21.83
				1	74	21.44
				36	0	20.56
				36	18	20.39
				36	37	20.47
				75	0	20.35
836.50	26915	QPSK	15.0	1	0	22.16
				1	37	23.02
				1	74	22.45
				36	0	21.28
				36	18	21.45
				36	37	21.36
				75	0	21.26
		16QAM		1	0	21.69
				1	37	22.02
				1	74	21.92
				36	0	20.26
				36	18	20.31
				36	37	20.37
				75	0	20.28
841.50	26965	QPSK	15.0	1	0	22.40
				1	37	22.38
				1	74	22.25
				36	0	21.68
				36	18	21.47
				36	37	21.68
				75	0	21.46
		16QAM		1	0	22.14
				1	37	22.19
				1	74	21.97
				36	0	20.70
				36	18	20.49
				36	37	20.61
				75	0	20.45

LTE Band 41 part

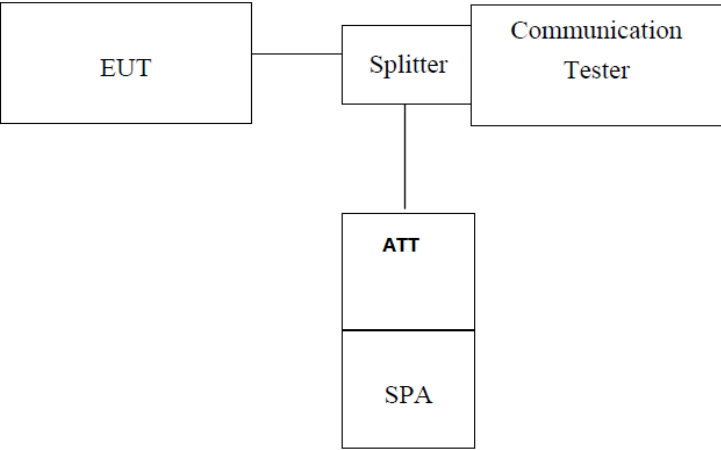
Frequency (MHz)	Channel No.	Modulation	BW (MHz)	RB Size	RB Offset	Ave. Power (dBm)
2498.50	39675	QPSK	5.0	1	0	21.79
				1	12	22.04
				1	24	22.57
				12	0	21.00
				12	6	20.95
				12	11	22.59
				25	0	22.36
		16QAM		1	0	20.54
				1	12	20.73
				1	24	22.31
				12	0	20.25
				12	6	20.33
				12	11	22.19
				25	0	21.54
2593.00	40620	QPSK	5.0	1	0	22.07
				1	12	22.22
				1	24	22.04
				12	0	22.18
				12	6	22.21
				12	11	22.16
				25	0	22.05
		16QAM		1	0	21.75
				1	12	21.87
				1	24	21.72
				12	0	21.44
				12	6	21.48
				12	11	21.43
				25	0	21.21
2687.50	41565	QPSK	5.0	1	0	22.48
				1	12	21.94
				1	24	21.87
				12	0	22.50
				12	6	21.02
				12	11	20.87
				25	0	22.35
		16QAM		1	0	22.46
				1	12	20.71
				1	24	20.55
				12	0	21.69
				12	6	20.21
				12	11	20.13
				25	0	21.45

Frequency (MHz)	Channel No.	Modulation	BW (MHz)	RB Size	RB Offset	Ave. Power (dBm)
2501.00	39700	QPSK	10.0	1	0	21.92
				1	24	22.86
				1	49	22.71
				25	0	22.66
				25	12	22.64
				25	24	22.60
				50	0	22.38
		16QAM		1	0	20.73
				1	24	22.70
				1	49	22.48
				25	0	21.46
				25	12	21.68
				25	24	21.62
				50	0	21.41
2593.00	40620	QPSK	10.0	1	0	22.22
				1	24	22.34
				1	49	22.11
				25	0	22.06
				25	12	22.04
				25	24	22.03
				50	0	21.92
		16QAM		1	0	22.03
				1	24	22.09
				1	49	21.91
				25	0	21.20
				25	12	21.22
				25	24	21.08
				50	0	20.97
2685.00	41540	QPSK	10.0	1	0	22.49
				1	24	22.62
				1	49	21.87
				25	0	22.55
				25	12	22.63
				25	24	22.50
				50	0	22.28
		16QAM		1	0	22.41
				1	24	22.50
				1	49	20.58
				25	0	21.42
				25	12	21.56
				25	24	21.43
				50	0	21.22

Frequency (MHz)	Channel No.	Modulation	BW (MHz)	RB Size	RB Offset	Ave. Power (dBm)
2503.50	39725	QPSK	15.0	1	0	22.05
				1	37	22.94
				1	74	22.87
				36	0	22.55
				36	18	22.56
				36	37	22.60
				75	0	22.40
		16QAM		1	0	20.88
				1	37	22.86
				1	74	22.59
				36	0	21.39
				36	18	21.55
				36	37	21.70
				75	0	21.52
2593.00	40620	QPSK	15.0	1	0	22.15
				1	37	22.25
				1	74	22.10
				36	0	22.13
				36	18	22.01
				36	37	21.95
				75	0	21.88
		16QAM		1	0	22.13
				1	37	22.07
				1	74	21.99
				36	0	21.07
				36	18	21.00
				36	37	20.91
				75	0	20.96
2682.50	41515	QPSK	15.0	1	0	22.25
				1	37	22.57
				1	74	21.84
				36	0	22.29
				36	18	22.32
				36	37	22.36
				75	0	22.19
		16QAM		1	0	22.12
				1	37	22.65
				1	74	20.72
				36	0	21.17
				36	18	21.31
				36	37	21.26
				75	0	21.20

Frequency (MHz)	Channel No.	Modulation	BW (MHz)	RB Size	RB Offset	Ave. Power (dBm)
2506.00	39750	QPSK	20.0	1	0	21.94
				1	49	23.07
				1	99	22.84
				50	0	22.39
				50	24	22.58
				50	49	22.64
				100	0	22.50
		16QAM		1	0	20.89
				1	49	22.97
				1	99	22.73
				50	0	21.47
				50	24	21.56
				50	49	21.70
				100	0	21.65
2593.00	40620	QPSK	20.0	1	0	22.11
				1	49	22.36
				1	99	22.08
				50	0	21.93
				50	24	21.87
				50	49	21.86
				100	0	22.00
		16QAM		1	0	22.00
				1	49	22.12
				1	99	21.96
				50	0	20.97
				50	24	20.88
				50	49	20.96
				100	0	21.10
2680.00	41490	QPSK	20.0	1	0	22.04
				1	49	22.53
				1	99	21.76
				50	0	21.91
				50	24	22.05
				50	49	22.32
				100	0	22.15
		16QAM		1	0	21.91
				1	49	22.50
				1	99	20.70
				50	0	20.89
				50	24	21.15
				50	49	21.31
				100	0	21.17

6.6 Peak-to-Average Ratio

Test Requirement:	FCC part 24.232(d)
Limit:	The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.
Test setup:	 <i>Note: Measurement setup for testing on Antenna connector</i>
Test Procedure:	1 The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation. 2 Set the CCDF option in spectrum analyzer, $RBW \geq OBW$, 3 Set the EUT working in highest power level, measured and recorded the 0.1% as PAPR level. 4 Repeat step 1~3 at other frequency and modulations.
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

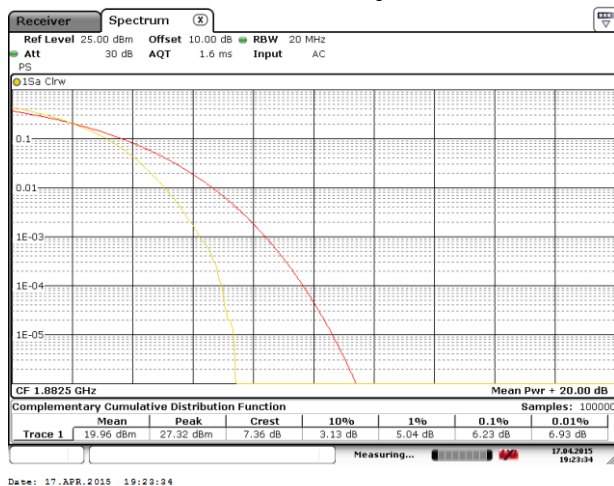
BW(MHz)	Modulation	RB Size	RB Offset	PAPR
LTE Band 25 (Middle Channel)				
20MHz	QPSK	100	0	5.22
	16QAM	100	0	6.23
LTE Band 26 (Middle Channel)				
20MHz	QPSK	100	0	5.62
	16QAM	100	0	6.41

Note:
Only the worst case mode was shown in report.

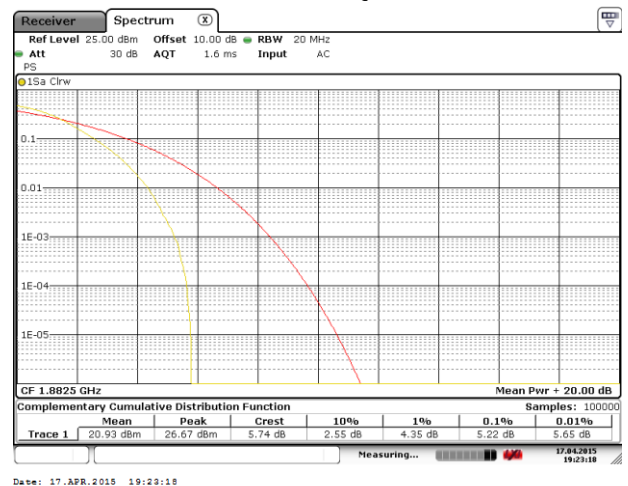
Test plots as below:

LTE Band 25 Middle channel

Modulation:16QAM

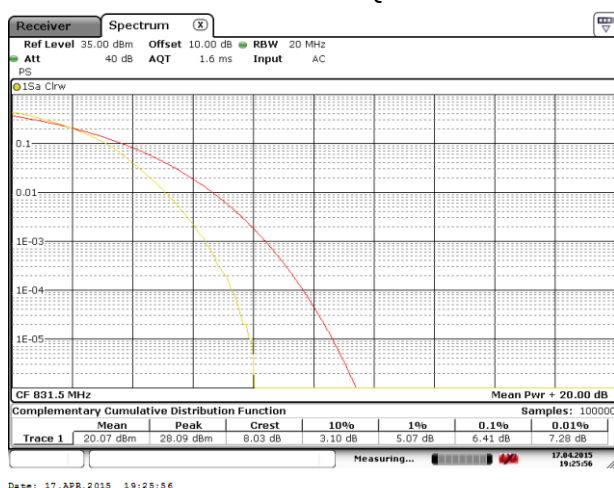


Modulation: QPSK

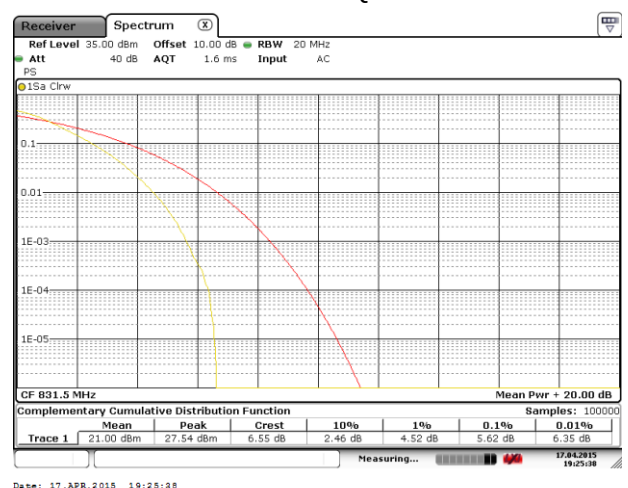


LTE Band 26 Middle channel

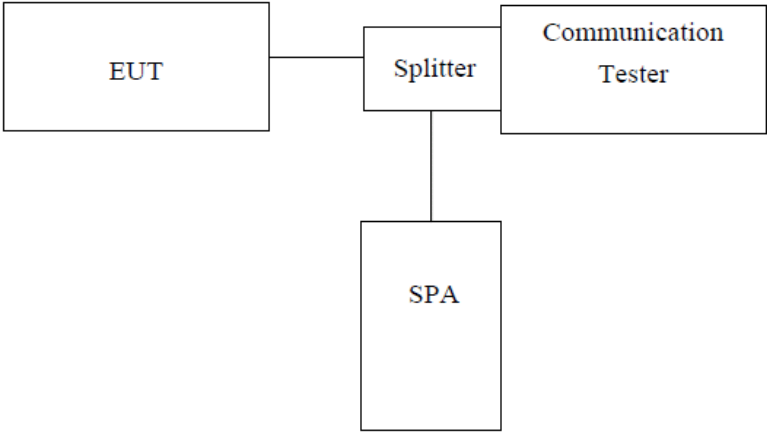
Modulation:16QAM



Modulation: QPSK



6.7 Occupy Bandwidth

Test Requirement:	FCC Part 22.917, part 24.238, part 27.53 and part 90.691(a)
Test Method:	FCC part 2.1049
Test setup:	 <i>Note: Measurement setup for testing on Antenna connector</i>
Test Procedure:	1. The EUT's output RF connector was connected with a short cable to the spectrum analyzer 2. RBW was set to about 1% ~ 5% of emission BW, VBW= 3 times RBW. 3. -26dBc display line was placed on the screen (or 99% bandwidth), the occupied bandwidth is the delta frequency between the two points where the display line intersects the signal trace.
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data

LTE Band 25 part:

EUT Mode	Channel	Frequency (MHz)	Modulation	99% OBW (kHz)	-26dBc EBW (kHz)
1.4MHz	26047	1850.70	16QAM	1098	1302
			QPSK	1104	1302
	26365	1882.50	16QAM	1104	1308
			QPSK	1104	1320
	26683	1914.30	16QAM	1092	1266
			QPSK	1104	1320
3MHz	26055	1851.50	16QAM	2700	2928
			QPSK	2700	2988
	26365	1882.50	16QAM	2688	2964
			QPSK	2700	3000
	26675	1913.50	16QAM	2676	2916
			QPSK	2688	2976
5MHz	26065	1852.50	16QAM	4480	4860
			QPSK	4520	5000
	26365	1882.50	16QAM	4480	4920
			QPSK	4520	4960
	26665	1912.50	16QAM	4460	4960
			QPSK	4500	5040
10MHz	26090	1855.00	16QAM	8920	9520
			QPSK	8920	9640
	26365	1882.50	16QAM	8960	9680
			QPSK	9000	9680
	26640	1910.00	16QAM	8920	9520
			QPSK	8920	9640
15MHz	26115	1857.50	16QAM	13500	14520
			QPSK	13560	14820
	26365	1882.50	16QAM	13500	14760
			QPSK	13560	14820
	26615	1907.50	16QAM	13560	14880
			QPSK	13620	15120
20MHz	26140	1860.00	16QAM	18080	19360
			QPSK	18080	19760
	26365	1882.50	16QAM	18000	19200
			QPSK	18080	19520
	26590	1905.00	16QAM	18000	19360
			QPSK	18000	19520

LTE Band 26 :

EUT Mode	Channel	Frequency (MHz)	Modulation	99% OBW (kHz)	-26dBc EBW (kHz)
1.4MHz	26697	814.70	16QAM	1098	1290
			QPSK	1104	1320
	26865	819.00	16QAM	1098	1290
			QPSK	1098	1296
	27033	848.30	16QAM	1098	1308
			QPSK	1104	1314
3MHz	26705	815.50	16QAM	2688	2940
			QPSK	2700	2964
	26865	831.50	16QAM	2676	2952
			QPSK	2700	2988
	27025	847.50	16QAM	2688	2928
			QPSK	2688	2964
5MHz	26715	816.50	16QAM	4480	4860
			QPSK	4520	5040
	26865	831.50	16QAM	4520	4940
			QPSK	4520	5040
	27015	846.50	16QAM	4480	4920
			QPSK	4500	5080
10MHz	26740	819.00	16QAM	8920	9440
			QPSK	8920	9600
	26865	831.50	16QAM	9000	9480
			QPSK	9000	9760
	26990	844.00	16QAM	8960	9600
			QPSK	9000	9720
15MHz	26765	821.50	16QAM	13510	14700
			QPSK	13510	14770
	26865	831.50	16QAM	13440	14460
			QPSK	13440	14940
	26965	841.50	16QAM	13560	15000
			QPSK	13560	15000

LTE Band 41 part:

EUT Mode	Channel	Frequency (MHz)	Modulation	99% OBW (kHz)	-26dB EBW (kHz)
5MHz	39675	2498.50	16QAM	4520	5060
			QPSK	4520	5060
	40620	2593.00	16QAM	4520	4920
			QPSK	4520	5080
	41565	2687.50	16QAM	4520	4960
			QPSK	4500	5060
10MHz	39700	2501.00	16QAM	8920	9480
			QPSK	8920	9600
	40620	2593.00	16QAM	8960	9480
			QPSK	8960	9840
	41540	2685.00	16QAM	8960	9600
			QPSK	8960	9720
15MHz	39725	2503.50	16QAM	13500	15780
			QPSK	13560	15660
	40620	2593.00	16QAM	13560	15300
			QPSK	13560	15120
	41515	2682.50	16QAM	13560	14820
			QPSK	13560	15120
20MHz	39750	2506.00	16QAM	17920	19120
			QPSK	18000	19600
	40620	2593.00	16QAM	17920	20160
			QPSK	17920	19680
	41490	2680.00	16QAM	18000	19680
			QPSK	18000	20080

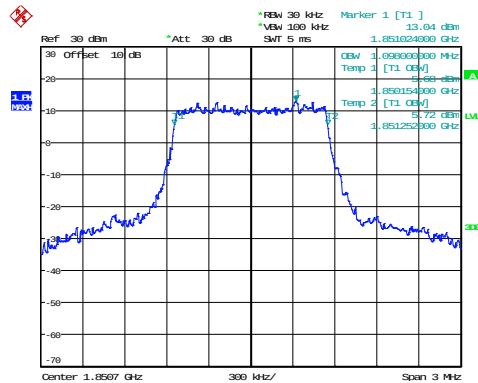
Test plot as follows:

LTE Band 25 part

Test Item: 99% Occupy bandwidth

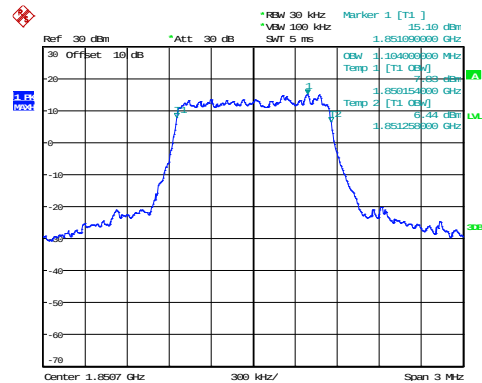
BW: 1.4MHz

Modulation: 16QAM



Date: 9.APR.2015 20:47:17

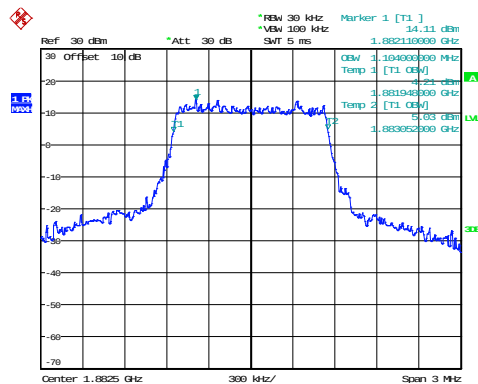
Modulation: QPSK



Date: 9.APR.2015 20:47:08

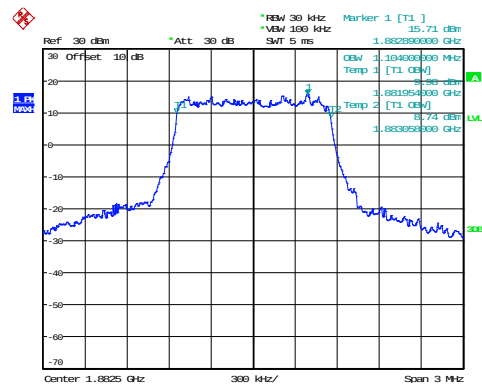
Lowest channel

Modulation: 16QAM



Date: 9.APR.2015 20:47:58

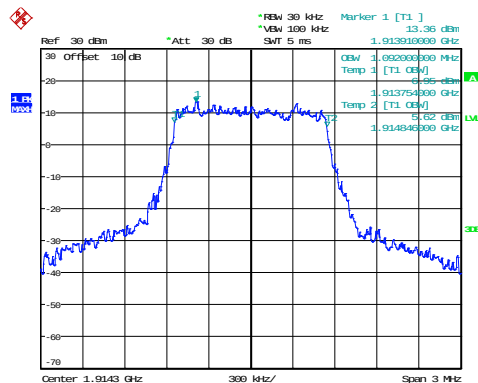
Modulation: QPSK



Date: 9.APR.2015 20:47:51

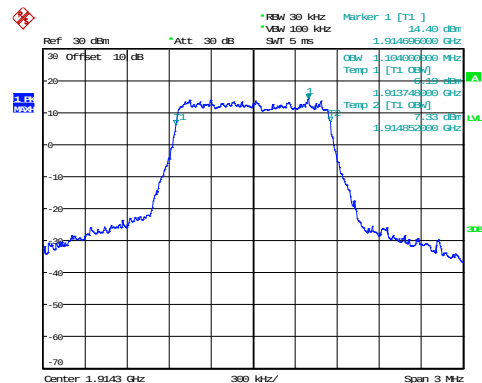
Middle channel

Modulation: 16QAM



Date: 9.APR.2015 20:48:32

Modulation: QPSK

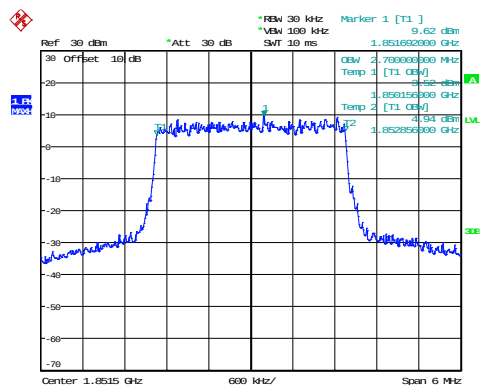


Date: 9.APR.2015 20:48:26

Highest channel

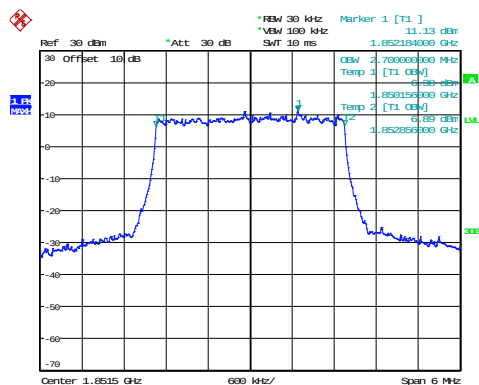
Test Item: 99% Occupy bandwidth
BW: 3MHz

Modulation: 16QAM



Date: 9.APR.2015 20:50:32

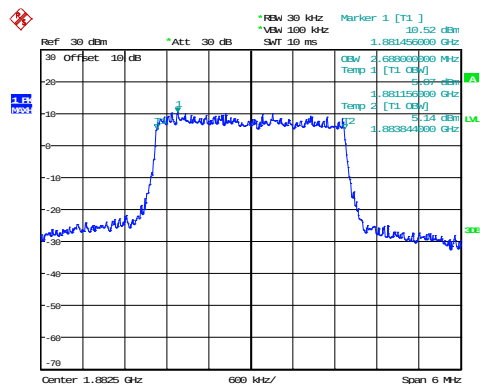
Modulation: QPSK



Date: 9.APR.2015 20:50:26

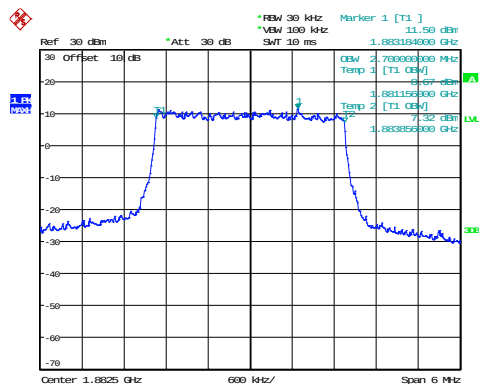
Lowest channel

Modulation: 16QAM



Date: 9.APR.2015 20:51:00

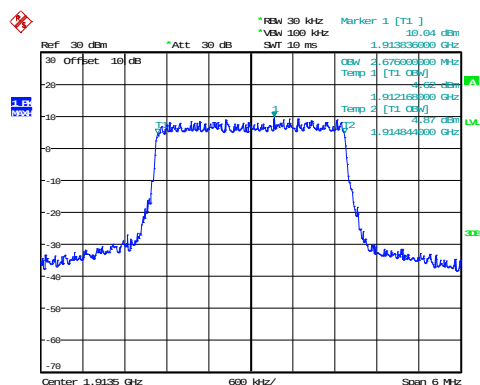
Modulation: QPSK



Date: 9.APR.2015 20:50:53

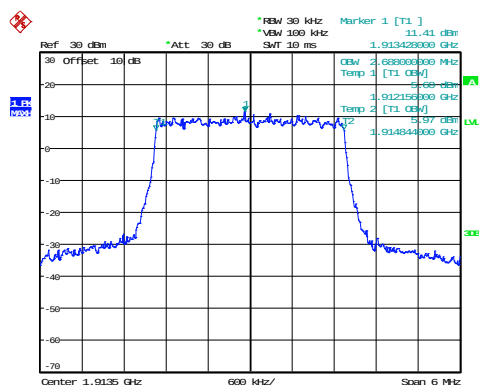
Middle channel

Modulation: 16QAM



Date: 9.APR.2015 20:51:28

Modulation: QPSK

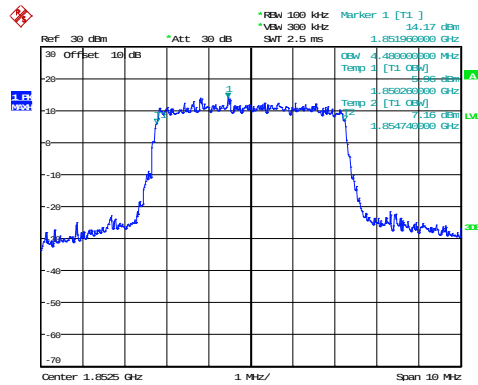


Date: 9.APR.2015 20:51:21

Highest channel

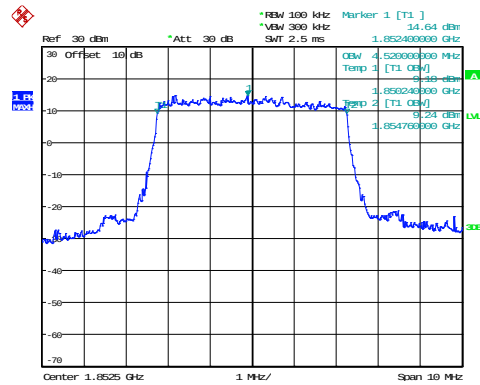
Test Item: 99% Occupy bandwidth
BW: 5MHz

Modulation: 16QAM



Date: 9.APR.2015 20:52:31

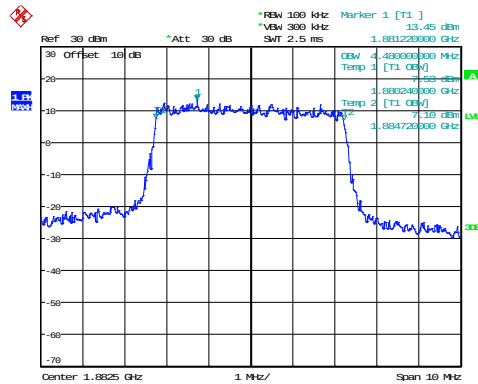
Modulation: QPSK



Date: 9.APR.2015 20:52:25

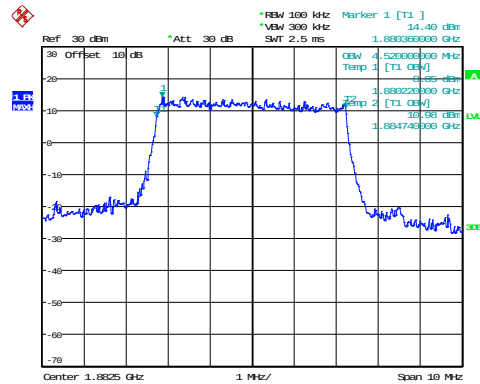
Lowest channel

Modulation: 16QAM



Date: 9.APR.2015 20:52:58

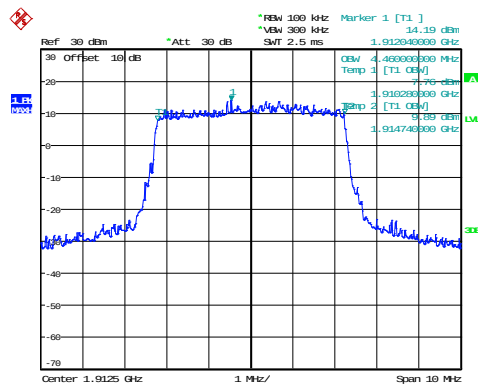
Modulation: QPSK



Date: 9.APR.2015 20:52:53

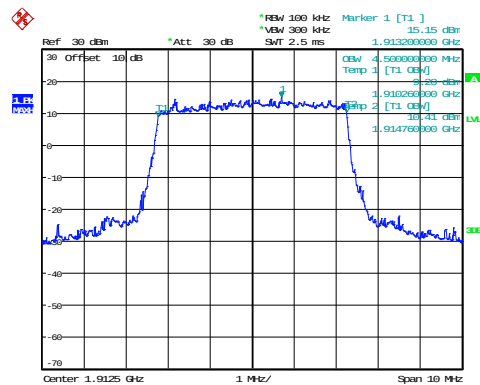
Middle channel

Modulation: 16QAM



Date: 9.APR.2015 20:53:23

Modulation: QPSK

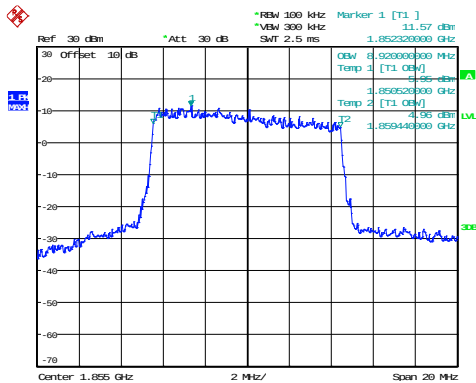


Date: 9.APR.2015 20:53:17

Highest channel

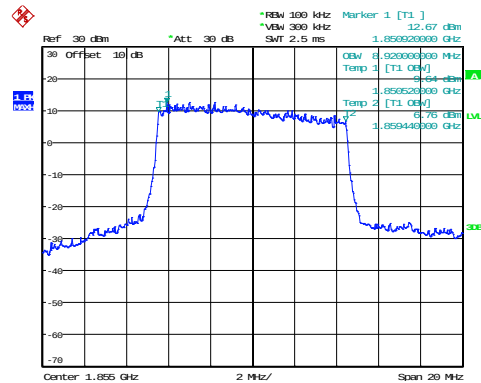
Test Item: 99% Occupancy bandwidth
BW: 10MHz

Modulation: 16QAM



Date: 9.APR.2015 20:54:11

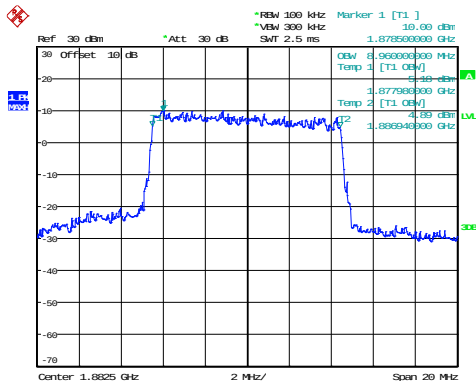
Modulation: QPSK



Date: 9.APR.2015 20:54:02

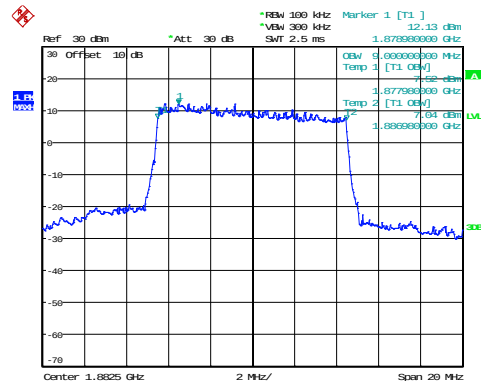
Lowest channel

Modulation: 16QAM



Date: 9.APR.2015 20:54:38

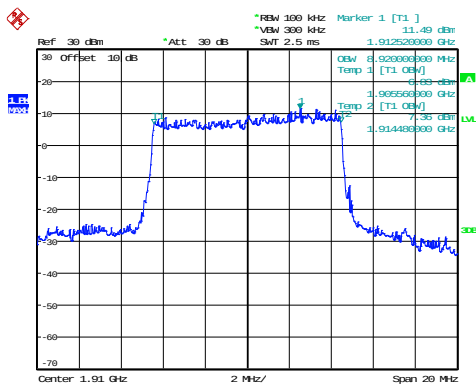
Modulation: QPSK



Date: 9.APR.2015 20:54:30

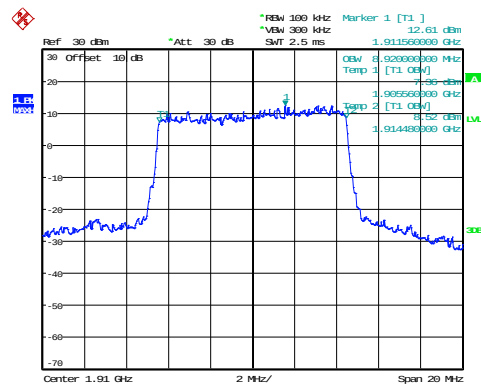
Middle channel

Modulation: 16QAM



Date: 9.APR.2015 20:55:02

Modulation: QPSK

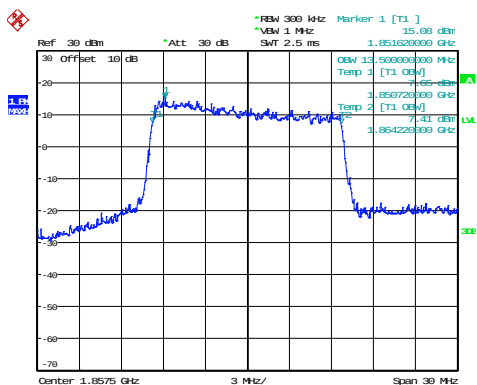


Date: 9.APR.2015 20:54:55

Highest channel

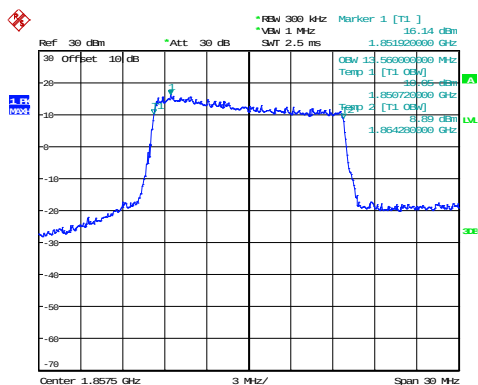
Test Item: 99% Occupancy bandwidth
BW: 15MHz

Modulation: 16QAM



Date: 9.APR.2015 20:55:45

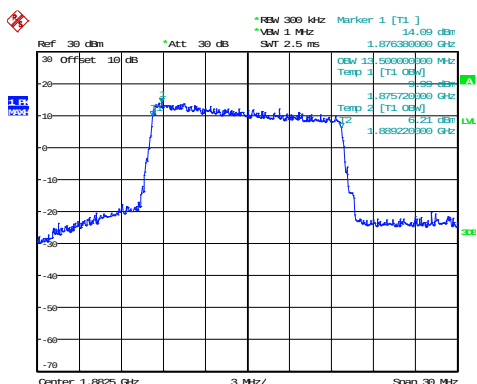
Modulation: QPSK



Date: 9.APR.2015 20:55:38

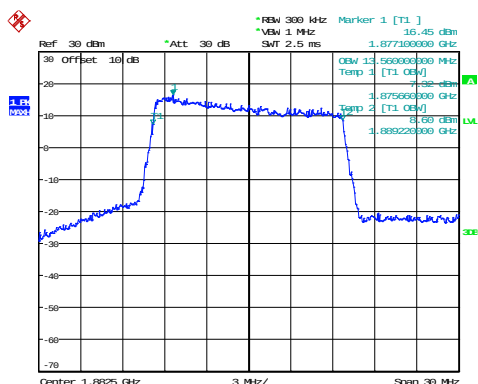
Lowest channel

Modulation: 16QAM



Date: 9.APR.2015 20:56:09

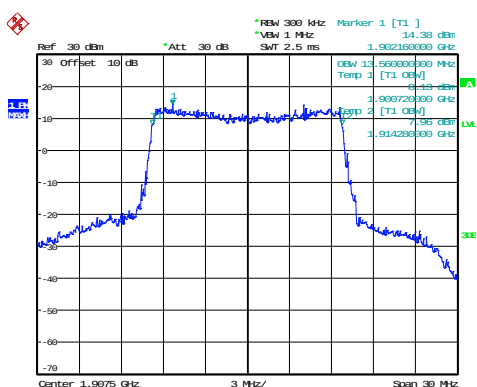
Modulation: QPSK



Date: 9.APR.2015 20:56:02

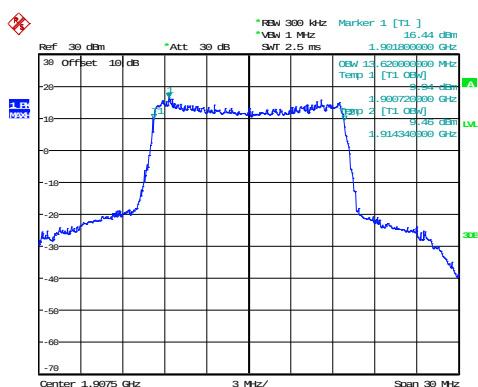
Middle channel

Modulation: 16QAM



Date: 9.APR.2015 20:56:34

Modulation: QPSK

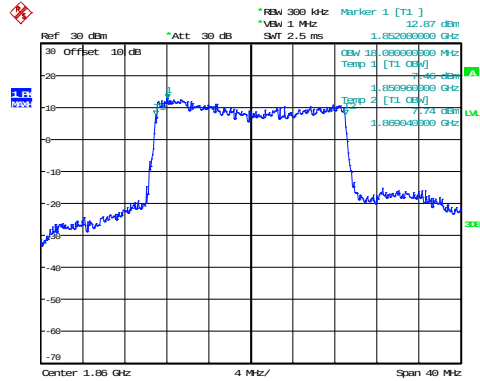


Date: 9.APR.2015 20:56:28

Highest channel

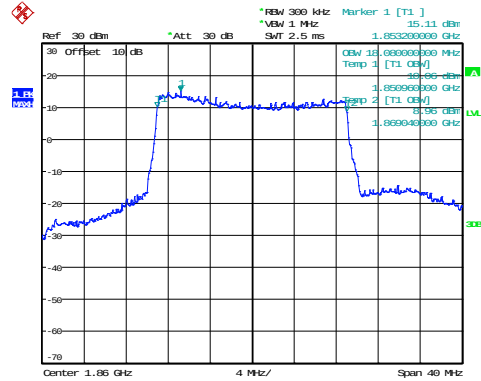
Test Item: 99% Occupy bandwidth
BW: 20MHz

Modulation: 16QAM



Date: 9.APR.2015 20:57:12

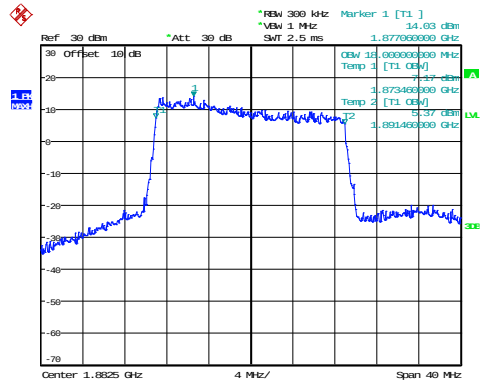
Modulation: QPSK



Date: 9.APR.2015 20:57:06

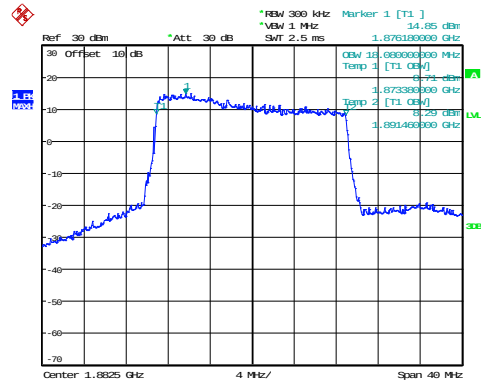
Lowest channel

Modulation: 16QAM



Date: 9.APR.2015 20:57:36

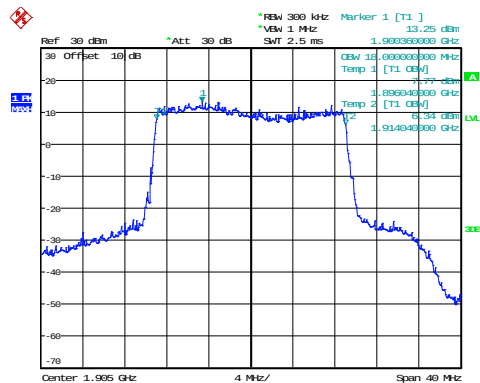
Modulation: QPSK



Date: 9.APR.2015 20:57:29

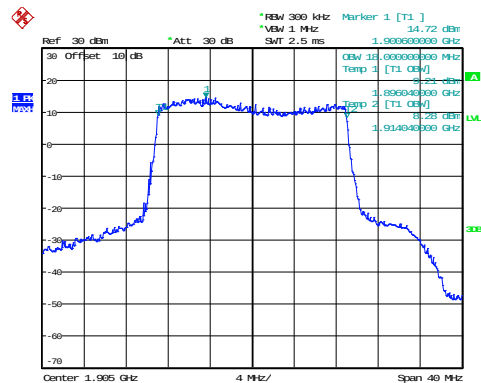
Middle channel

Modulation: 16QAM



Date: 9.APR.2015 20:57:59

Modulation: QPSK



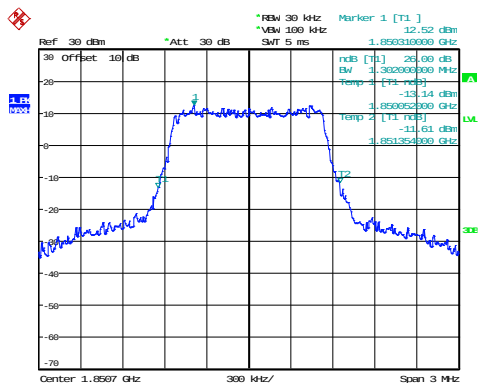
Date: 9.APR.2015 20:57:53

Highest channel

Test Item: -26dBc bandwidth

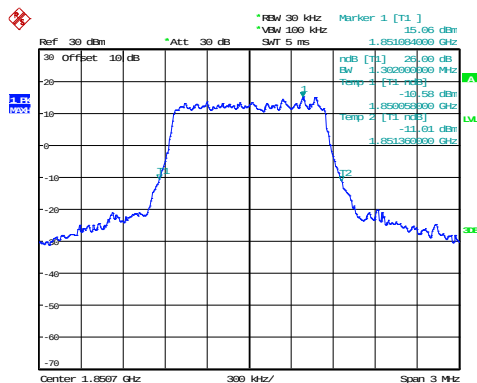
BW: 1.4MHz

Modulation: 16QAM



Date: 9.APR.2015 20:59:17

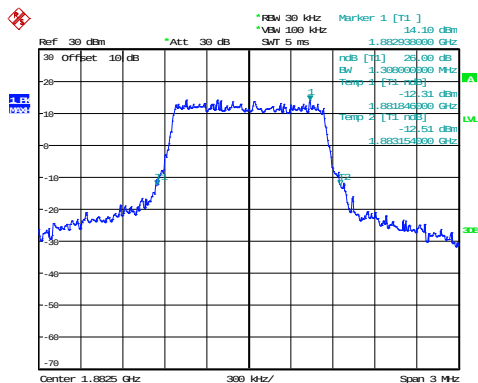
Modulation: QPSK



Date: 9.APR.2015 20:59:11

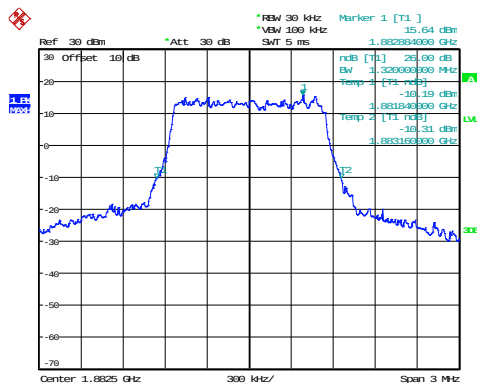
Lowest channel

Modulation: 16QAM



Date: 9.APR.2015 20:59:43

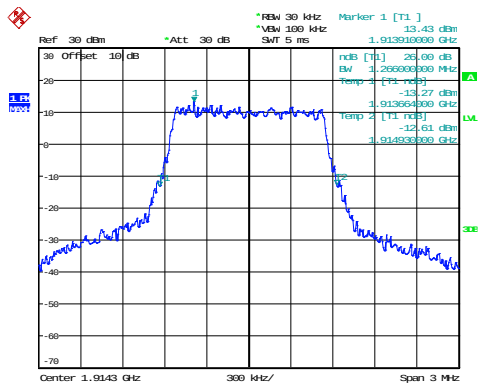
Modulation: QPSK



Date: 9.APR.2015 20:59:36

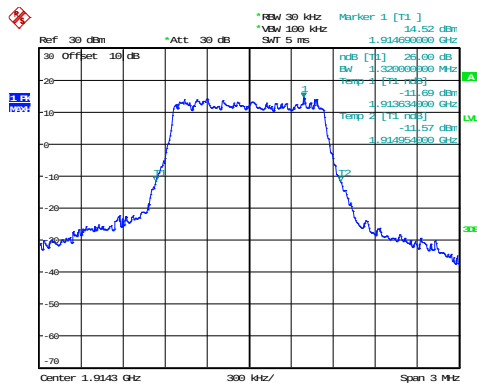
Middle channel

Modulation: 16QAM



Date: 9.APR.2015 21:00:06

Modulation: QPSK

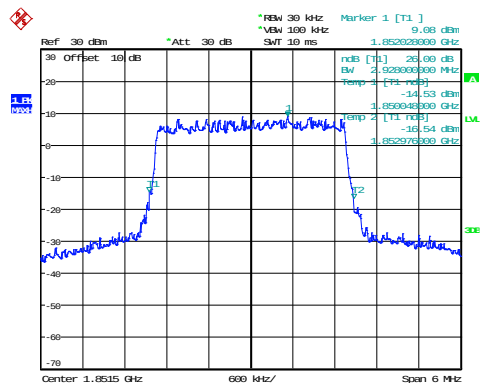


Date: 9.APR.2015 21:00:01

Highest channel

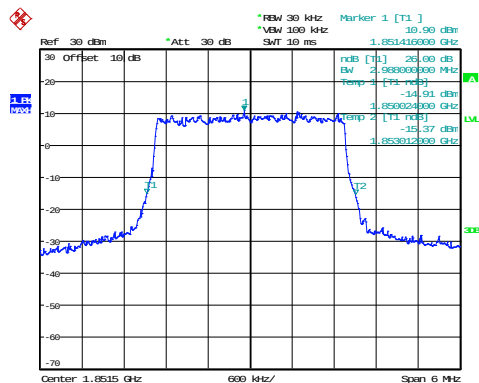
Test Item: -26dBc bandwidth
BW: 3MHz

Modulation: 16QAM



Date: 9.APR.2015 21:00:43

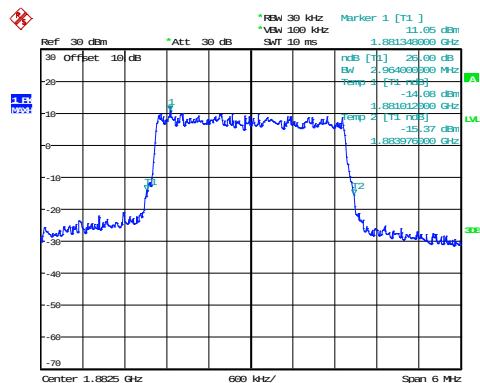
Modulation: QPSK



Date: 9.APR.2015 21:00:38

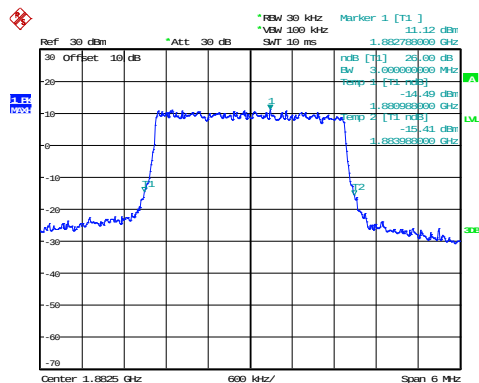
Lowest channel

Modulation: 16QAM



Date: 9.APR.2015 21:01:06

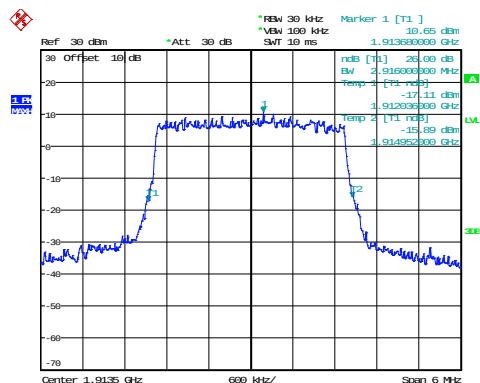
Modulation: QPSK



Date: 9.APR.2015 21:01:01

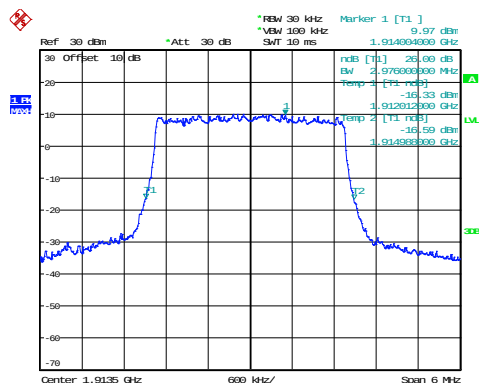
Middle channel

Modulation: 16QAM



Date: 9.APR.2015 21:01:38

Modulation: QPSK



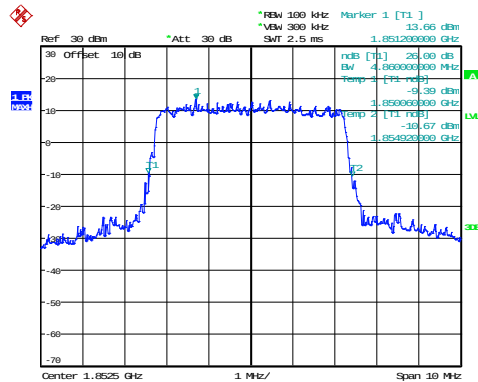
Date: 9.APR.2015 21:01:24

Highest channel

Test Item: -26dBc bandwidth

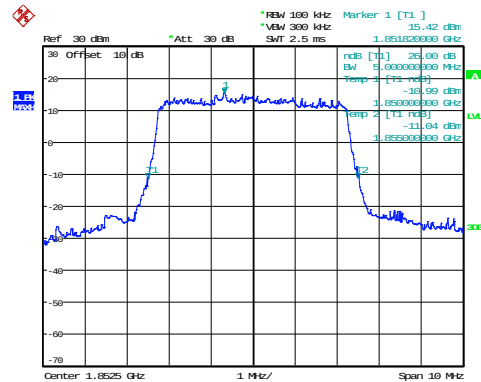
BW: 5MHz

Modulation: 16QAM



Date: 9.APR.2015 21:02:15

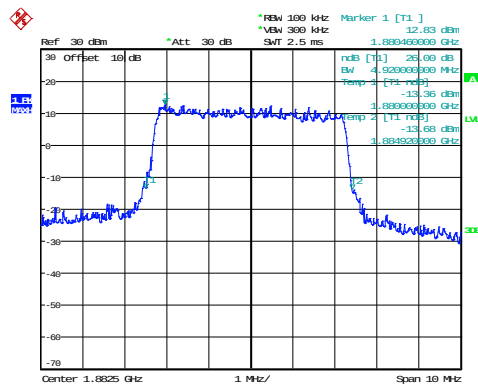
Modulation: QPSK



Date: 9.APR.2015 21:02:19

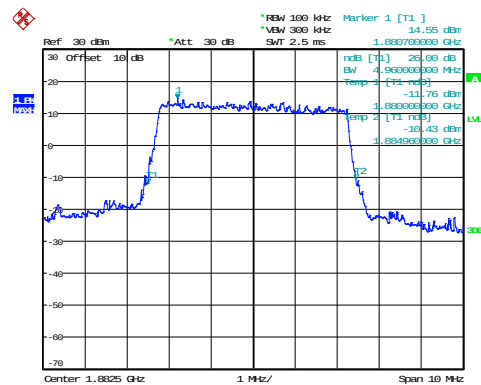
Lowest channel

Modulation: 16QAM



Date: 9.APR.2015 21:02:40

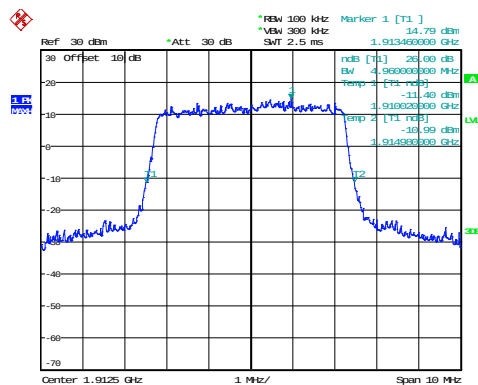
Modulation: QPSK



Date: 9.APR.2015 21:02:35

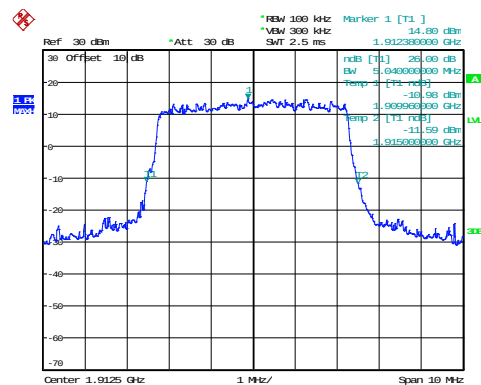
Middle channel

Modulation: 16QAM



Date: 9.APR.2015 21:03:28

Modulation: QPSK



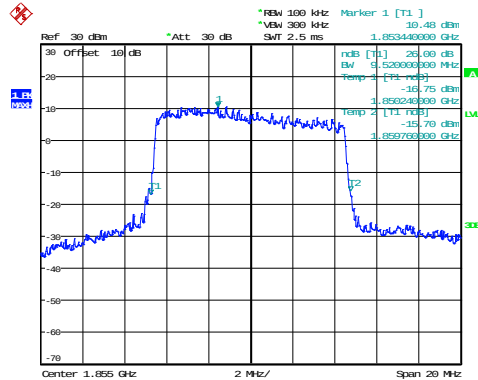
Date: 9.APR.2015 21:02:57

Highest channel

Test Item: -26dBc bandwidth

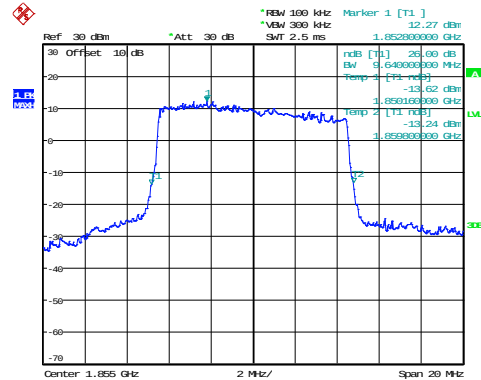
BW: 10MHz

Modulation: 16QAM



Date: 9.APR.2015 21:04:12

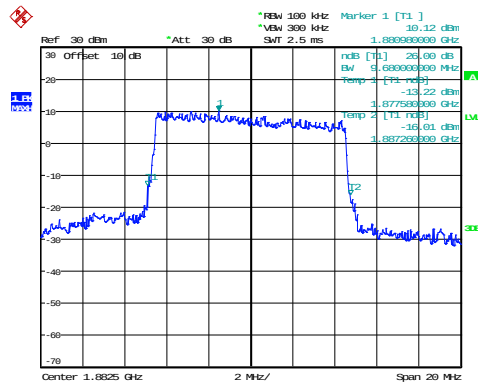
Modulation: QPSK



Date: 9.APR.2015 21:04:05

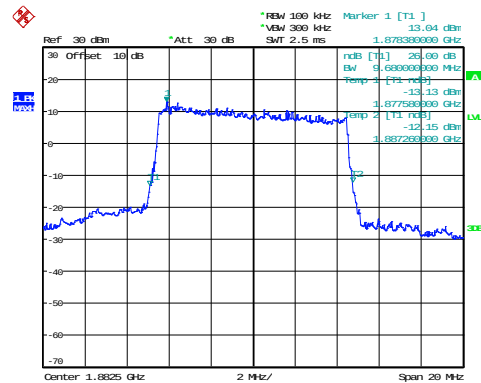
Lowest channel

Modulation: 16QAM



Date: 9.APR.2015 21:04:34

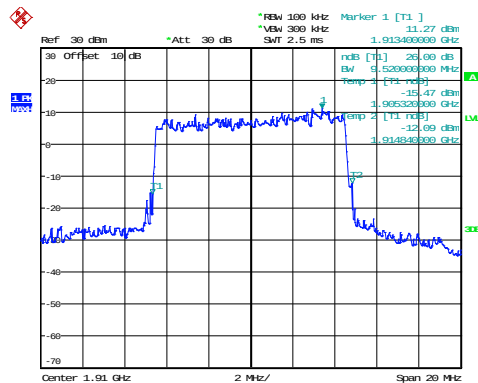
Modulation: QPSK



Date: 9.APR.2015 21:04:29

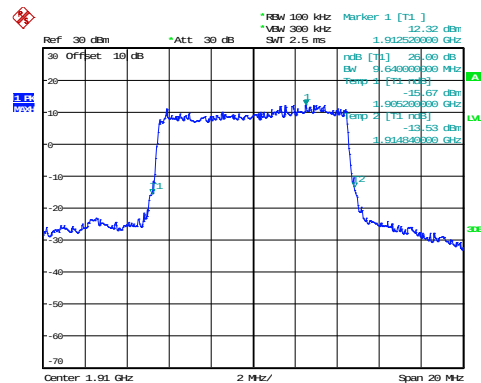
Middle channel

Modulation: 16QAM



Date: 9.APR.2015 21:05:07

Modulation: QPSK



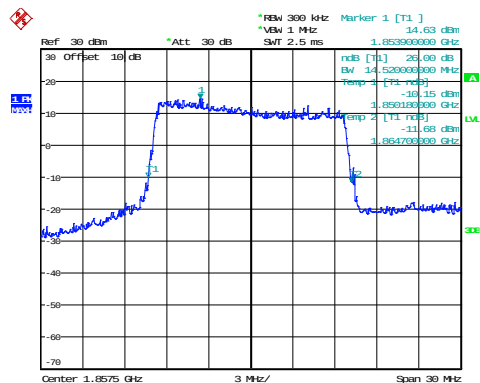
Date: 9.APR.2015 21:05:01

Highest channel

Test Item: -26dBc bandwidth

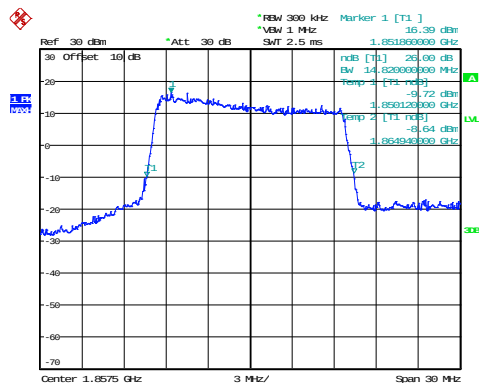
BW: 15MHz

Modulation: 16QAM



Date: 9,APR.2015 21:09:05

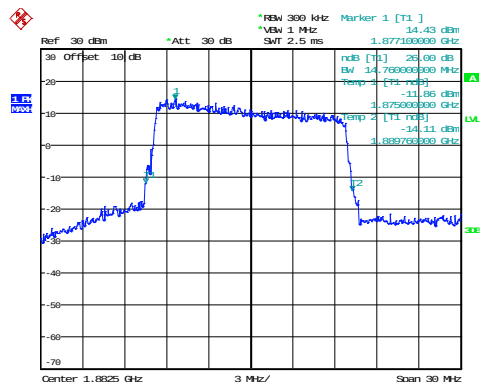
Modulation: QPSK



Date: 9,APR.2015 21:08:57

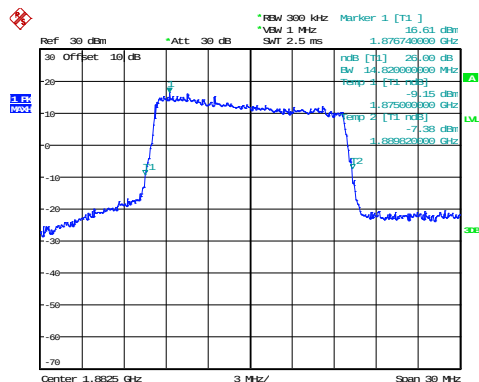
Lowest channel

Modulation:16QAM



Date: 9,APR.2015 21:06:11

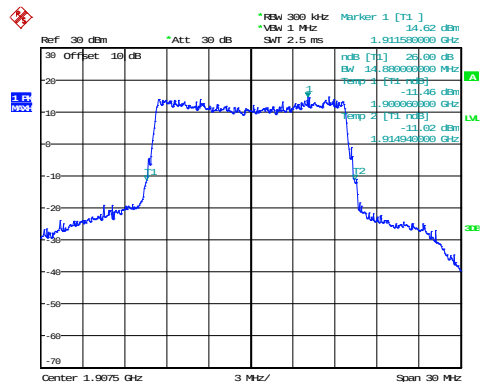
Modulation: QPSK



Date: 9,APR.2015 21:06:06

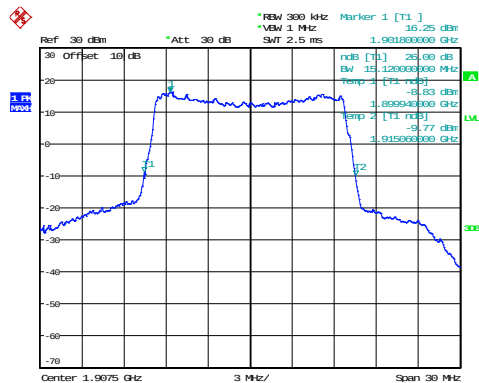
Middle channel

Modulation:16QAM



Date: 9,APR.2015 21:08:23

Modulation: QPSK



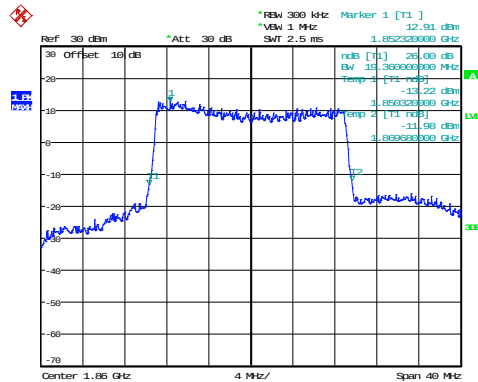
Date: 9,APR.2015 21:08:12

Highest channel

Test Item: -26dBc bandwidth

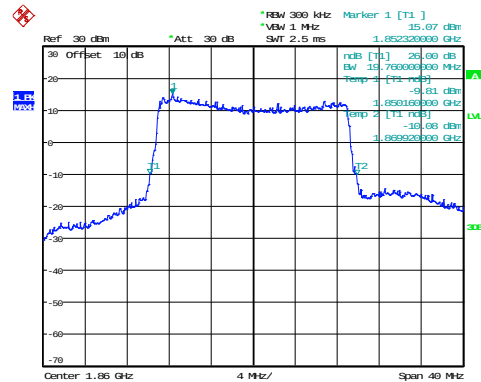
BW: 20MHz

Modulation: 16QAM



Date: 9.APR.2015 21:09:46

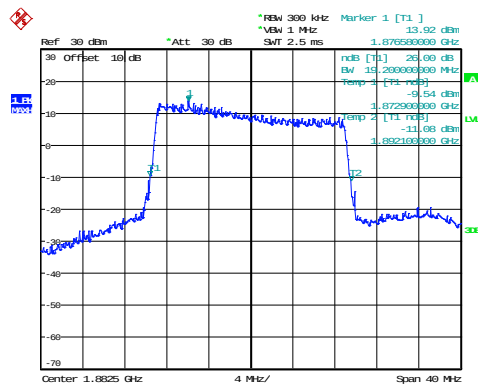
Modulation: QPSK



Date: 9.APR.2015 21:09:49

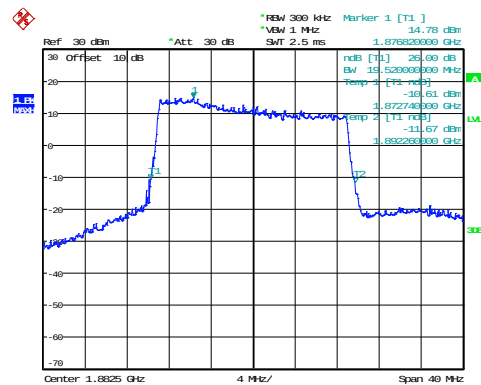
Lowest channel

Modulation: 16QAM



Date: 9.APR.2015 21:10:08

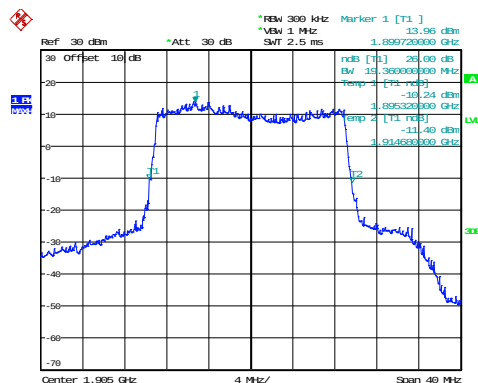
Modulation: QPSK



Date: 9.APR.2015 21:10:03

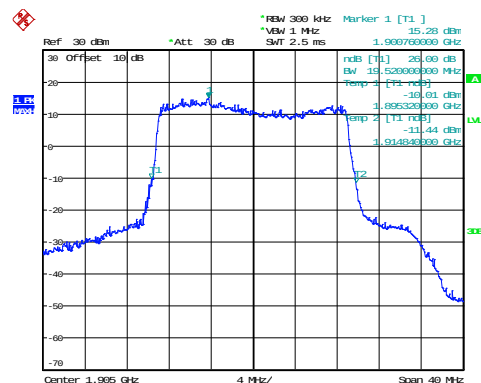
Middle channel

Modulation: 16QAM



Date: 9.APR.2015 21:10:36

Modulation: QPSK



Date: 9.APR.2015 21:10:29

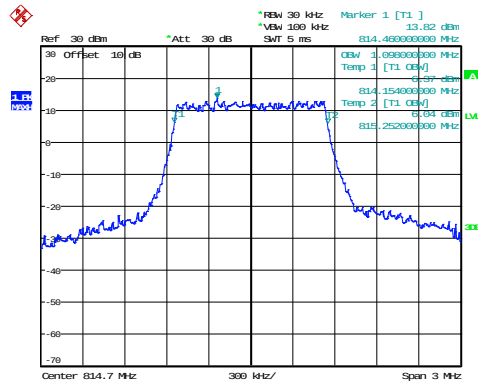
Highest channel

LTE Band 26 part

Test Item: 99% Occupy bandwidth

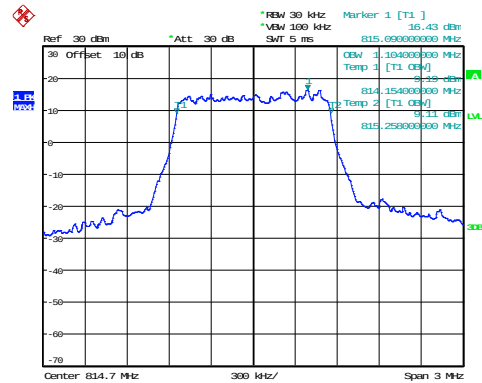
BW: 1.4MHz

Modulation: 16QAM



Date: 9.APR.2015 21:25:12

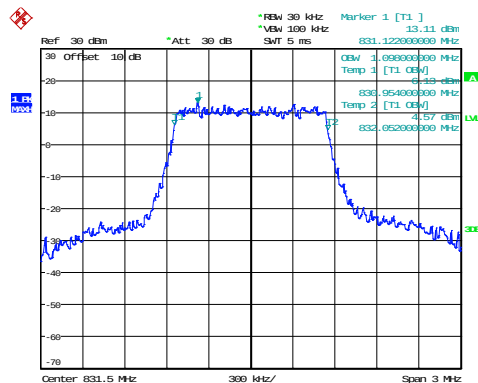
Modulation: QPSK



Date: 9.APR.2015 21:24:53

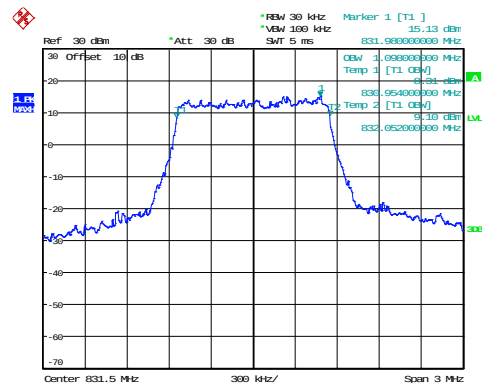
Lowest channel

Modulation: 16QAM



Date: 9.APR.2015 21:25:44

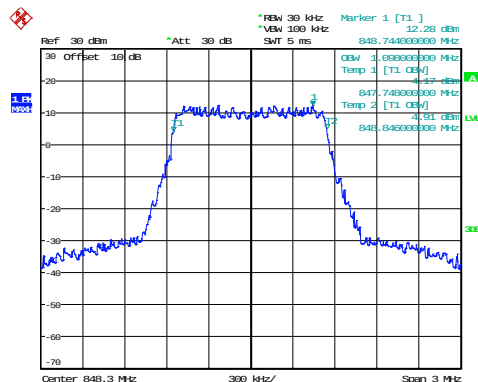
Modulation: QPSK



Date: 9.APR.2015 21:25:39

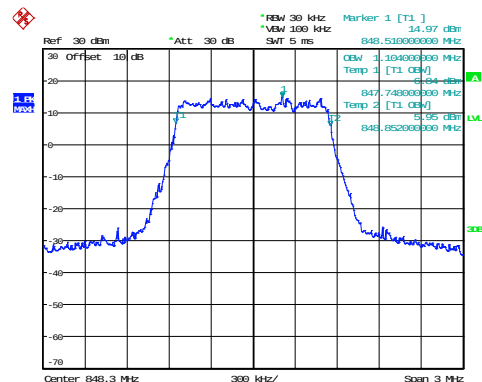
Middle channel

Modulation: 16QAM



Date: 9.APR.2015 21:26:10

Modulation: QPSK

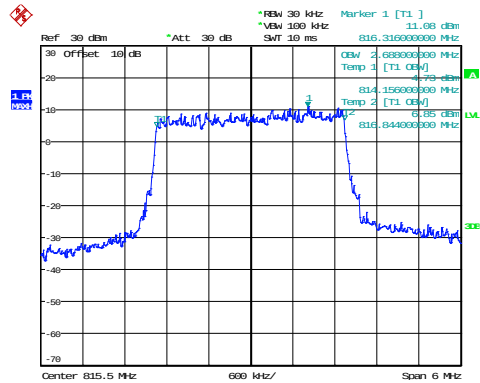


Date: 9.APR.2015 21:26:05

Highest channel

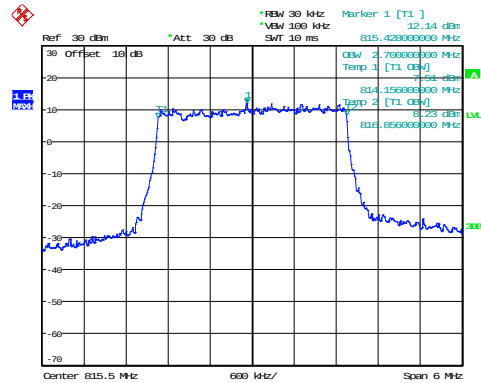
Test Item: 99% Occupy bandwidth
BW: 3MHz

Modulation: 16QAM



Date: 9.APR.2015 21:26:48

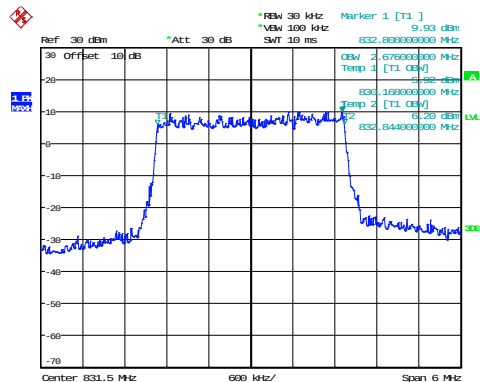
Modulation: QPSK



Date: 9.APR.2015 21:26:42

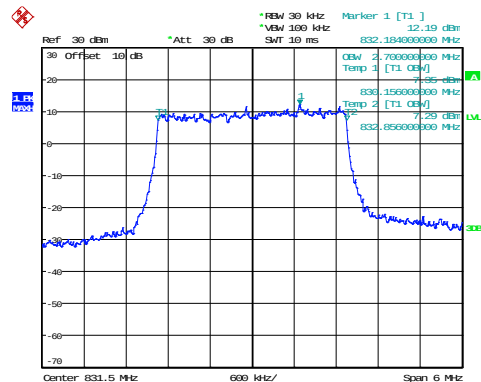
Lowest channel

Modulation: 16QAM



Date: 9.APR.2015 21:27:13

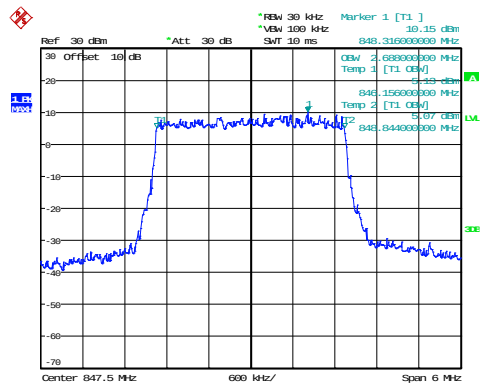
Modulation: QPSK



Date: 9.APR.2015 21:27:08

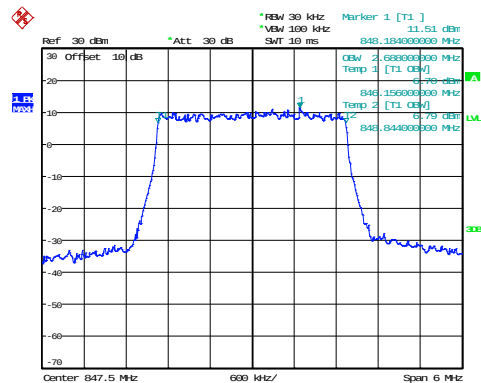
Middle channel

Modulation: 16QAM



Date: 9.APR.2015 21:27:39

Modulation: QPSK



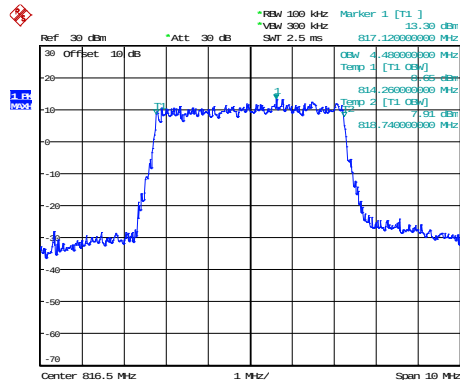
Date: 9.APR.2015 21:27:33

Highest channel

Test Item: 99% Occupancy bandwidth

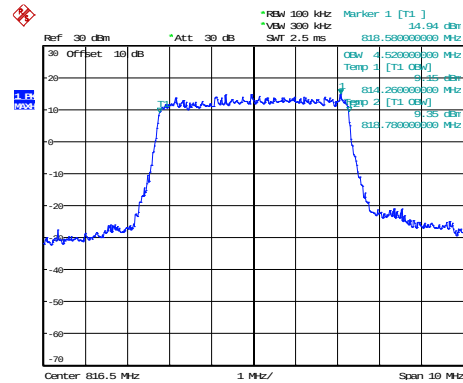
BW: 5MHz

Modulation: 16QAM



Date: 9.APR.2015 21:28:19

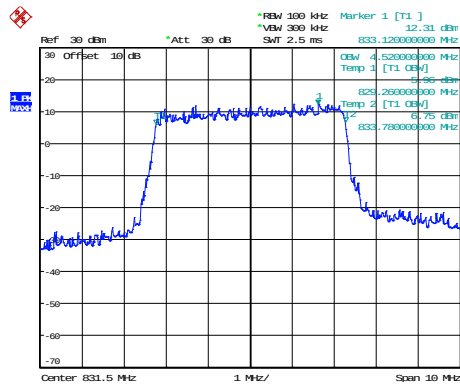
Modulation: QPSK



Date: 9.APR.2015 21:28:13

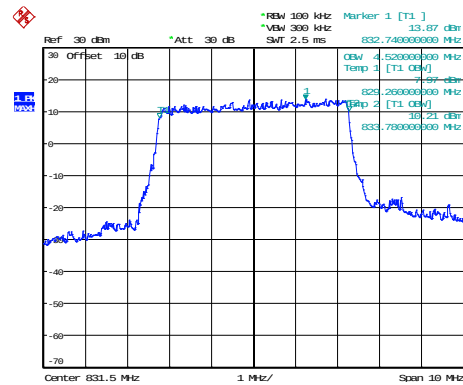
Lowest channel

Modulation: 16QAM



Date: 9.APR.2015 21:28:42

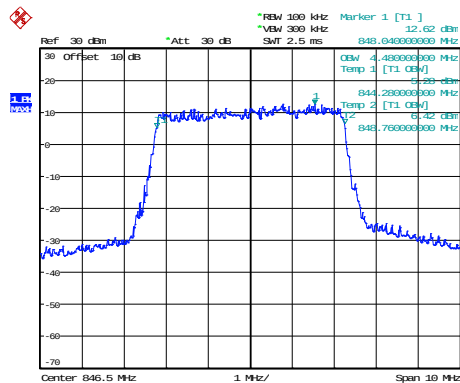
Modulation: QPSK



Date: 9.APR.2015 21:28:37

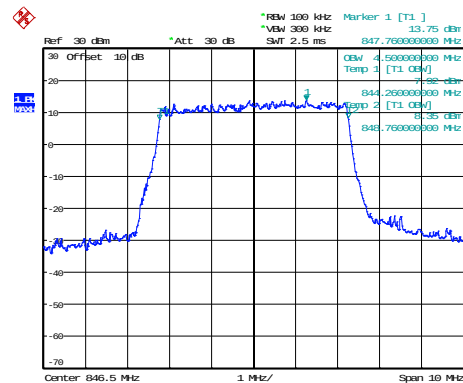
Middle channel

Modulation: 16QAM



Date: 9.APR.2015 21:29:08

Modulation: QPSK

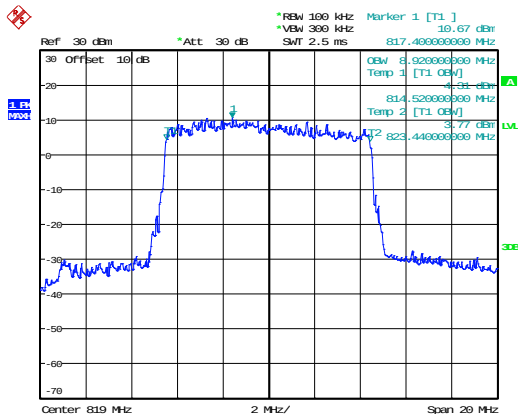


Date: 9.APR.2015 21:29:02

Highest channel

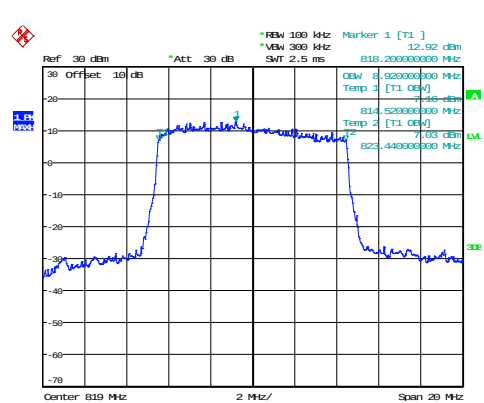
Test Item: 99% Occupancy bandwidth
BW: 10MHz

Modulation: 16QAM



Date: 10. APR. 2015 22:20:18

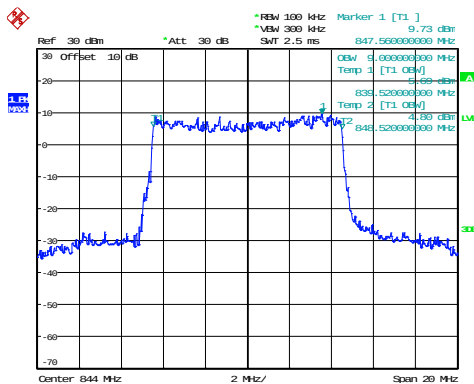
Modulation: QPSK



Date: 10. APR. 2015 22:20:11

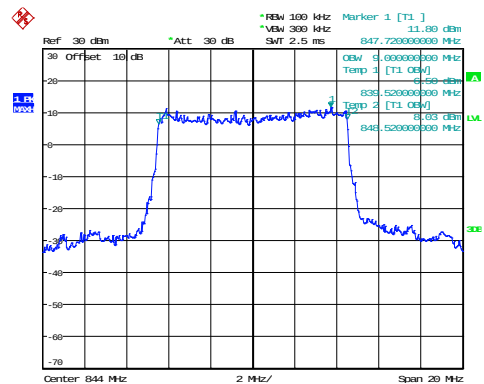
Lowest channel

Modulation: 16QAM



Date: 9. APR. 2015 21:30:42

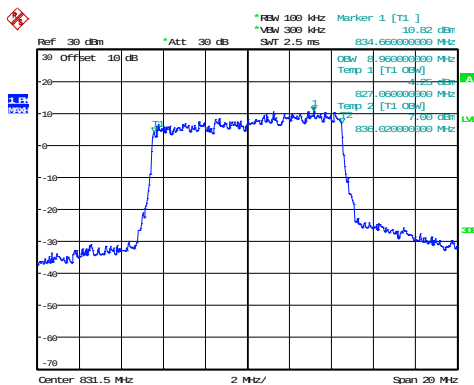
Modulation: QPSK



Date: 9. APR. 2015 21:30:36

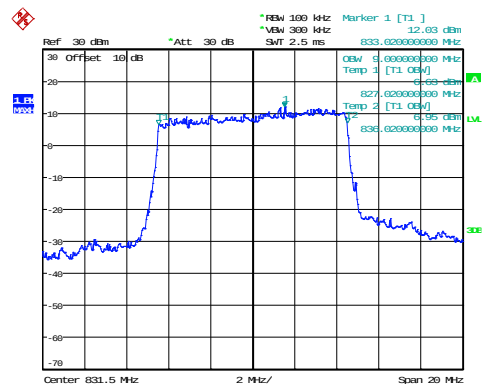
Middle channel

Modulation: 16QAM



Date: 9. APR. 2015 21:30:19

Modulation: QPSK

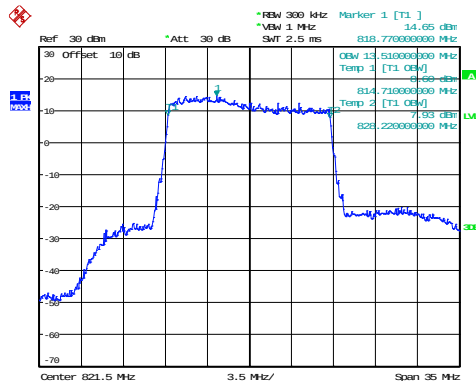


Date: 9. APR. 2015 21:30:11

Highest channel

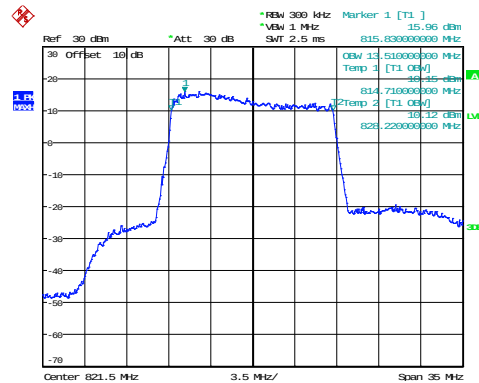
Test Item: 99% Occupancy bandwidth
BW: 15MHz

Modulation: 16QAM



Date: 10.APR.2015 22:19:18

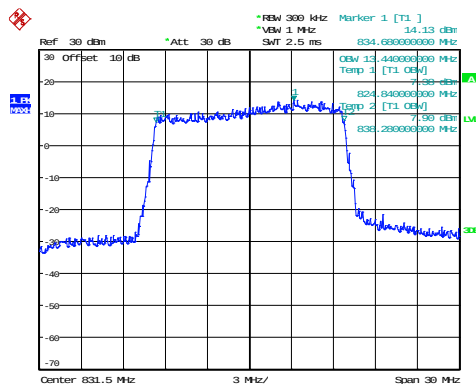
Modulation: QPSK



Date: 10.APR.2015 22:18:14

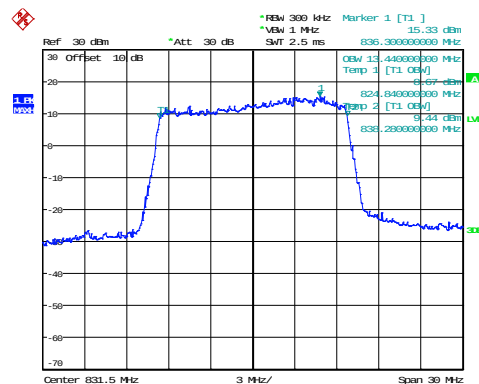
Lowest channel

Modulation: 16QAM



Date: 9.APR.2015 21:31:53

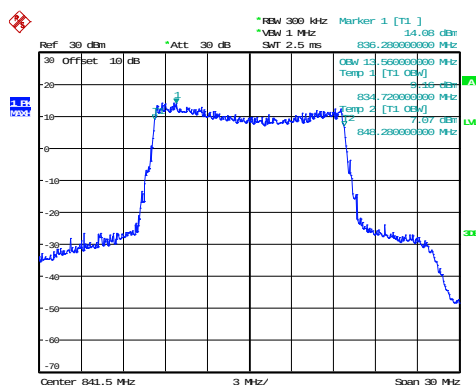
Modulation: QPSK



Date: 9.APR.2015 21:31:47

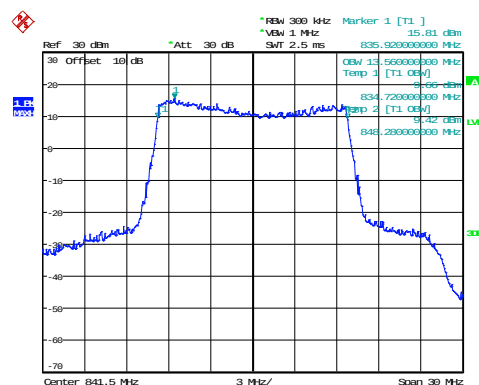
Middle channel

Modulation: 16QAM



Date: 9.APR.2015 21:32:19

Modulation: QPSK



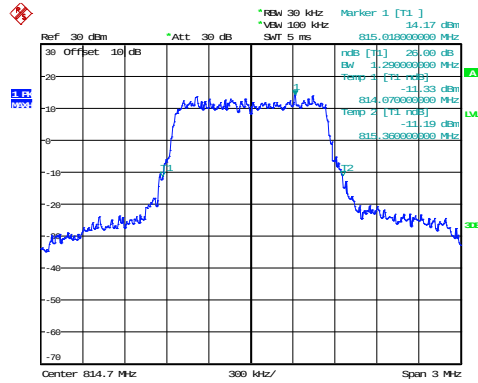
Date: 9.APR.2015 21:32:13

Highest channel

Test Item: -26dBc bandwidth

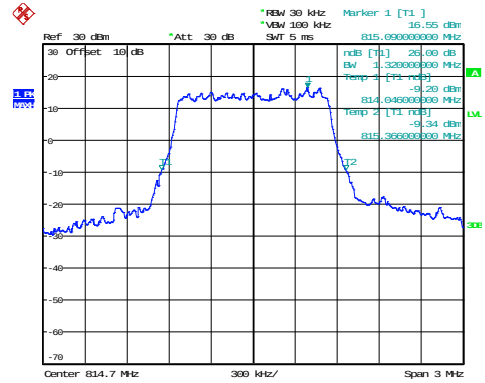
BW: 1.4MHz

Modulation: 16QAM



Date: 9.APR.2015 21:14:42

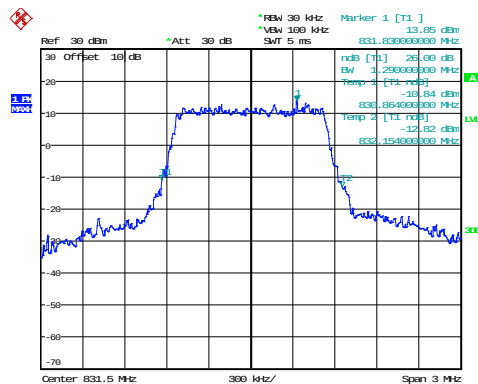
Modulation: QPSK



Date: 9.APR.2015 21:14:37

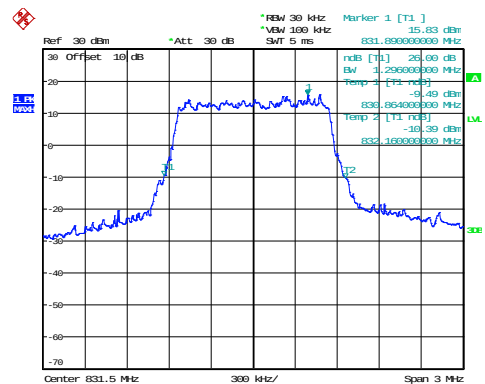
Lowest channel

Modulation: 16QAM



Date: 9.APR.2015 21:15:08

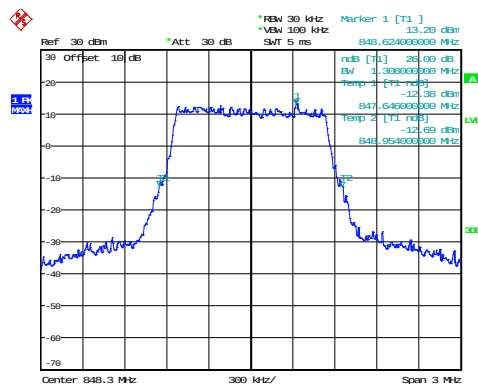
Modulation: QPSK



Date: 9.APR.2015 21:15:02

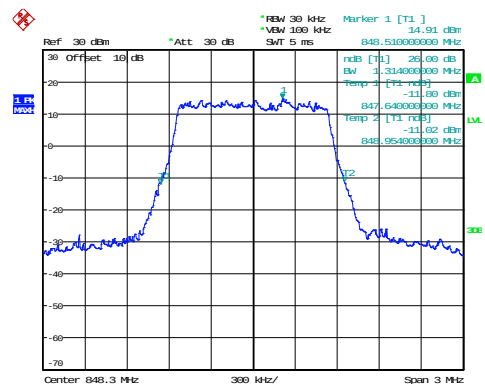
Middle channel

Modulation: 16QAM



Date: 9.APR.2015 21:15:34

Modulation: QPSK



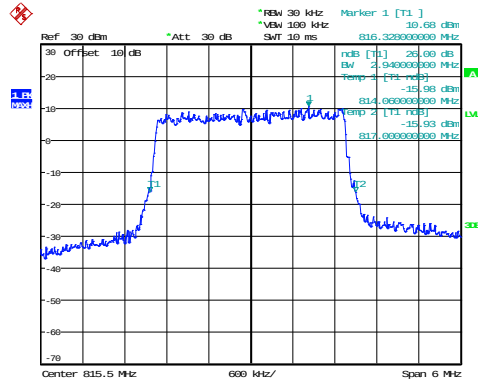
Date: 9.APR.2015 21:15:28

Highest channel

Test Item: -26dBc bandwidth

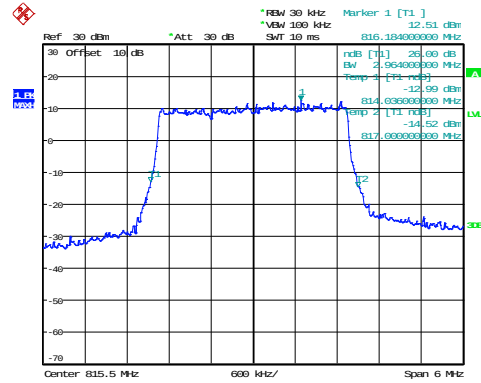
BW: 3MHz

Modulation: 16QAM



Date: 9.APR.2015 21:16:17

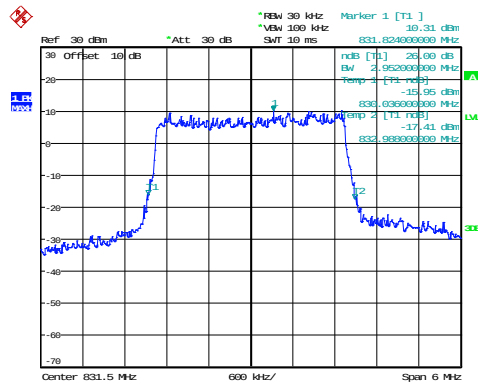
Modulation: QPSK



Date: 9.APR.2015 21:16:08

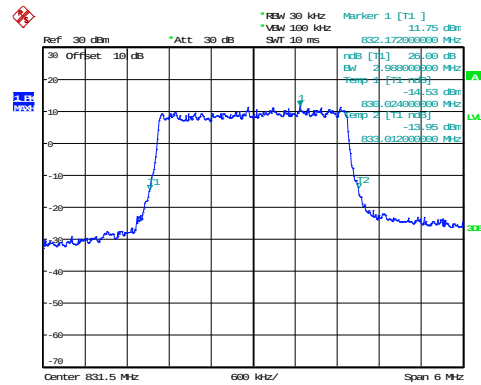
Lowest channel

Modulation: 16QAM



Date: 9.APR.2015 21:16:42

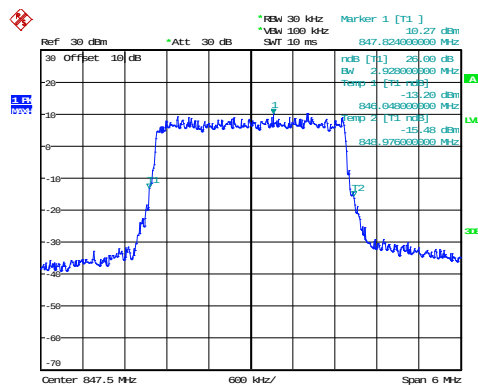
Modulation: QPSK



Date: 9.APR.2015 21:16:36

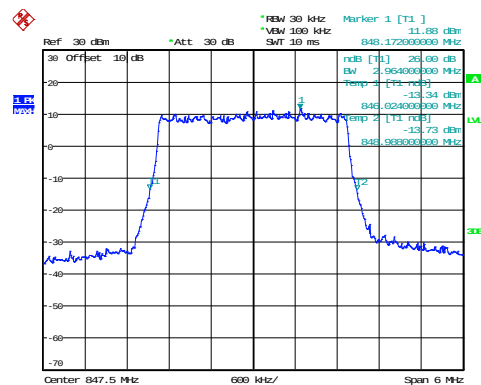
Middle channel

Modulation: 16QAM



Date: 9.APR.2015 21:17:10

Modulation: QPSK



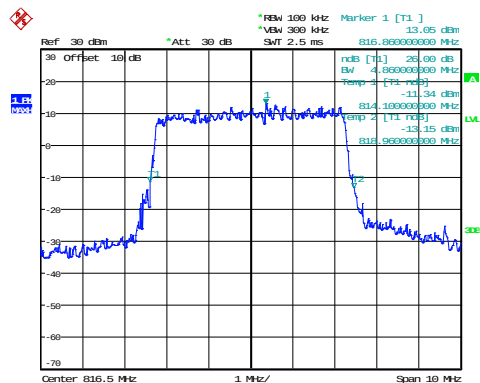
Date: 9.APR.2015 21:17:05

Highest channel

Test Item: -26dBc bandwidth

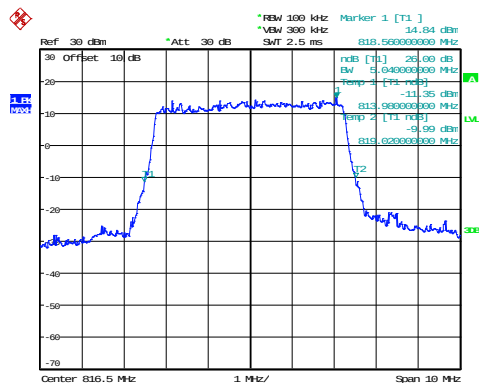
BW: 5MHz

Modulation: 16QAM



Date: 9.APR.2015 21:17:51

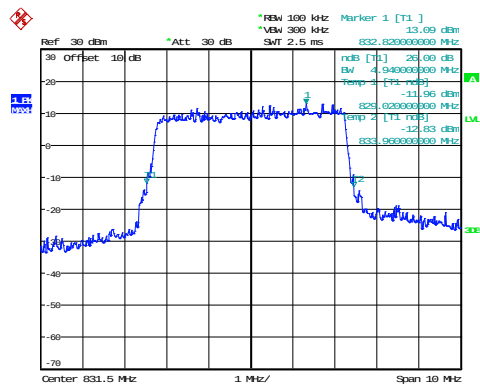
Modulation: QPSK



Date: 9.APR.2015 21:17:45

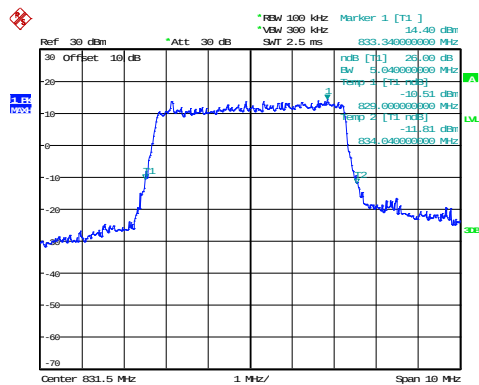
Lowest channel

Modulation: 16QAM



Date: 9.APR.2015 21:18:15

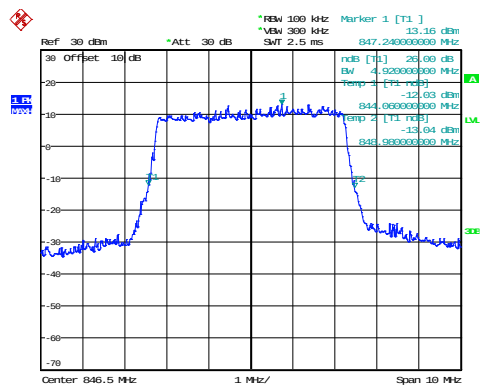
Modulation: QPSK



Date: 9.APR.2015 21:18:09

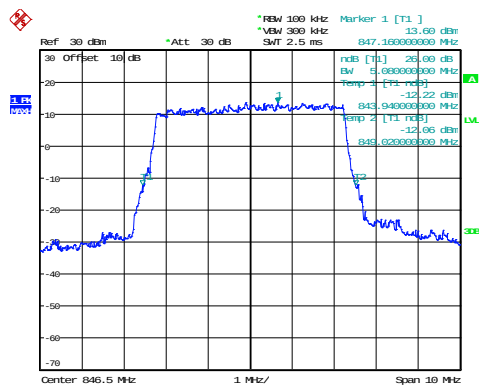
Middle channel

Modulation: 16QAM



Date: 9.APR.2015 21:18:42

Modulation: QPSK



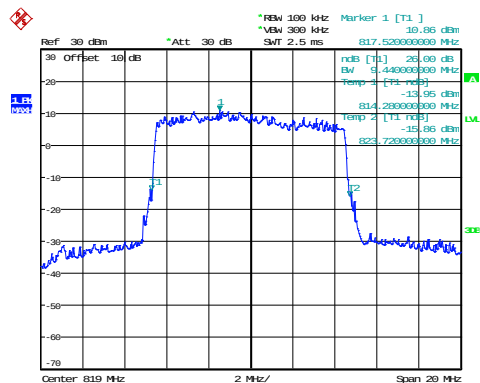
Date: 9.APR.2015 21:18:36

Highest channel

Test Item: -26dBc bandwidth

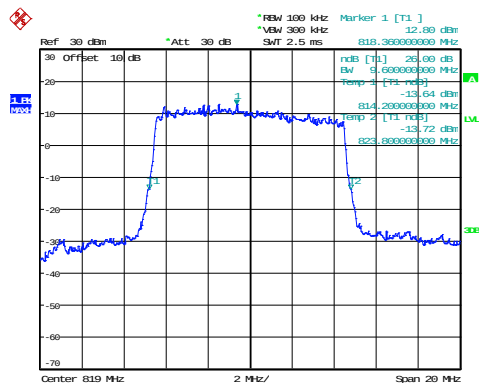
BW: 10MHz

Modulation: 16QAM



Date: 10. APR. 2015 22:21:06

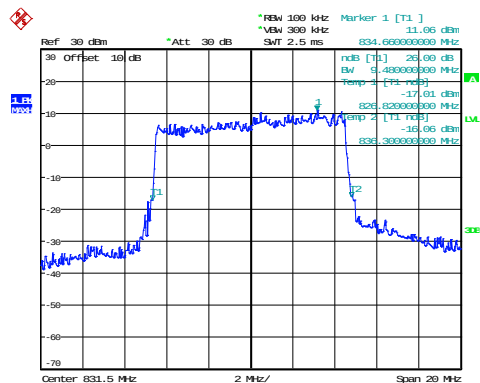
Modulation: QPSK



Date: 10. APR. 2015 22:20:58

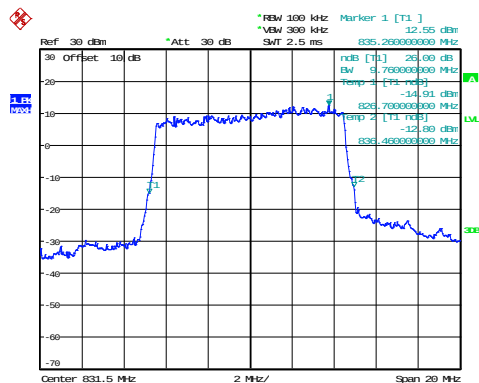
Lowest channel

Modulation: 16QAM



Date: 9. APR. 2015 21:19:50

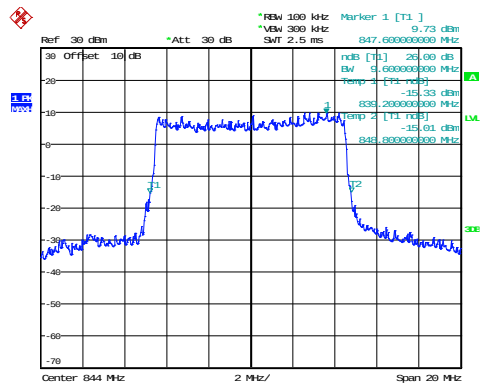
Modulation: QPSK



Date: 9. APR. 2015 21:19:45

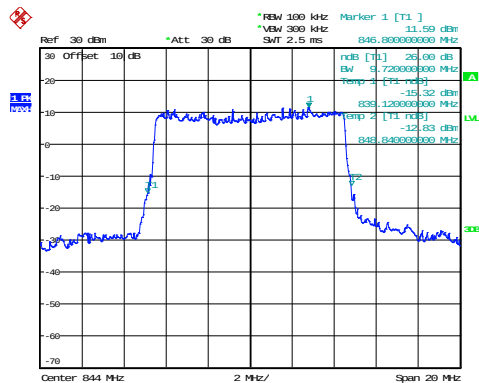
Middle channel

Modulation: 16QAM



Date: 9. APR. 2015 21:20:17

Modulation: QPSK



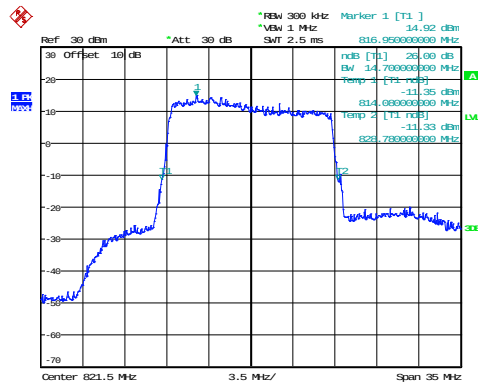
Date: 9. APR. 2015 21:20:11

Highest channel

Test Item: -26dBc bandwidth

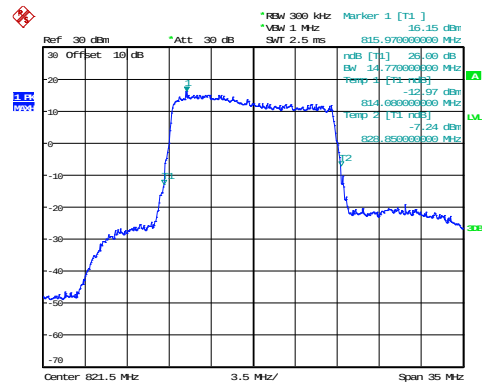
BW: 15MHz

Modulation: 16QAM



Date: 19. APR.2015 22:18:57

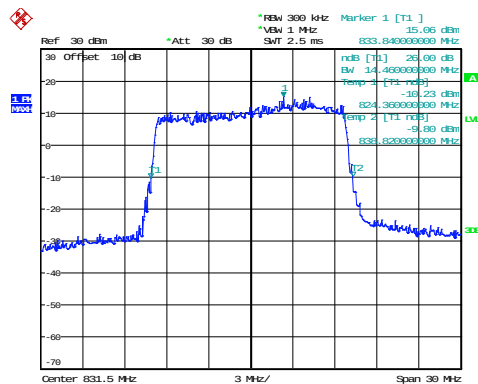
Modulation: QPSK



Date: 19. APR.2015 22:18:42

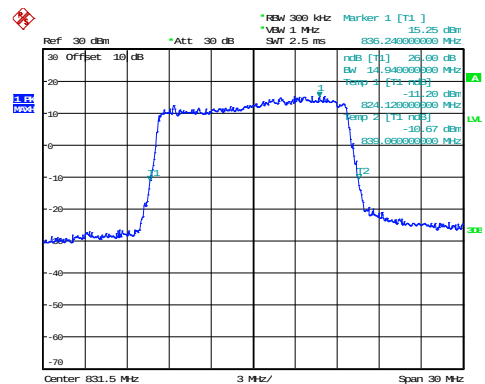
Lowest channel

Modulation:16QAM



Date: 9. APR.2015 21:21:33

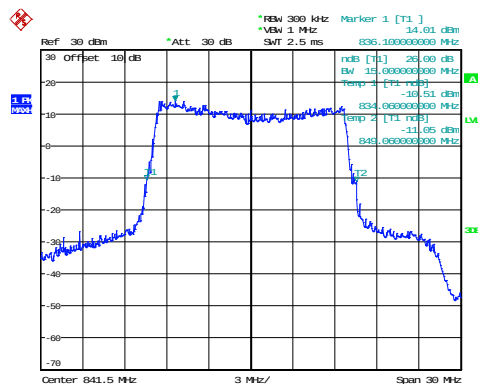
Modulation: QPSK



Date: 9. APR.2015 21:21:28

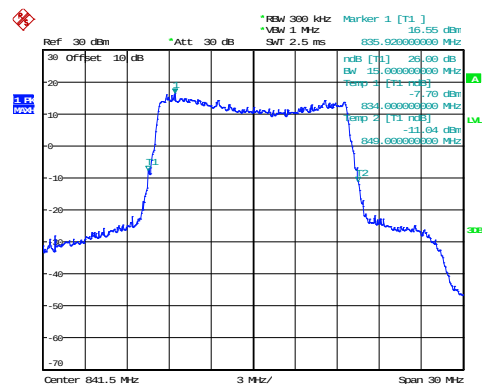
Middle channel

Modulation:16QAM



Date: 9. APR.2015 21:21:59

Modulation: QPSK



Date: 9. APR.2015 21:21:53

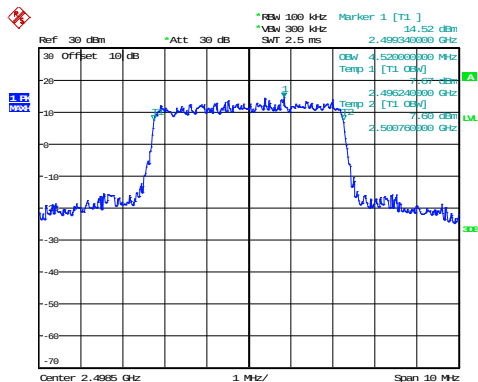
Highest channel

LTE-Band 41 part

Test Item: 99% Occupy bandwidth

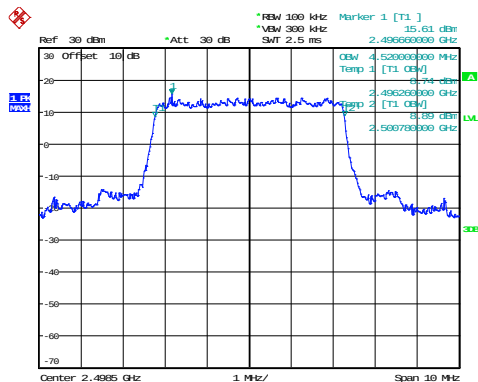
BW: 5MHz

Modulation: 16QAM



Date: 9.APR.2015 21:36:33

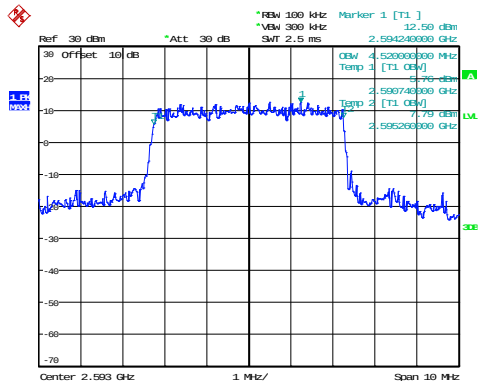
Modulation: QPSK



Date: 9.APR.2015 21:36:13

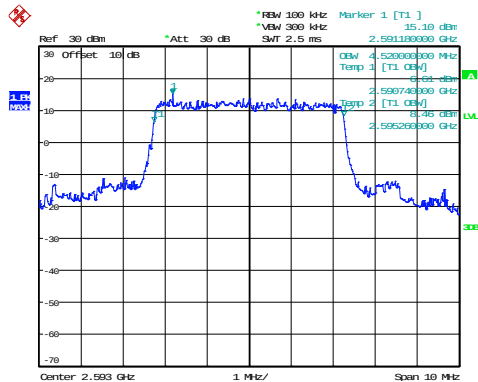
Lowest channel

Modulation: 16QAM



Date: 9.APR.2015 21:37:00

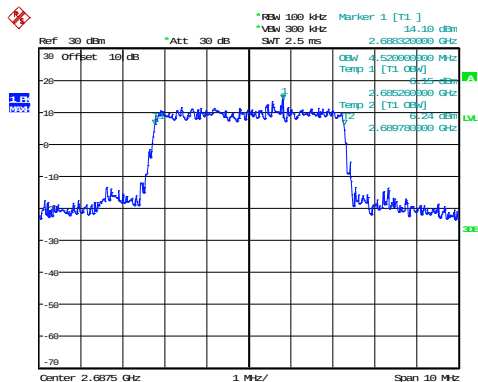
Modulation: QPSK



Date: 9.APR.2015 21:36:54

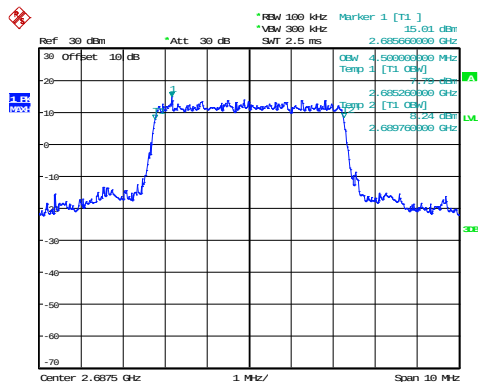
Middle channel

Modulation: 16QAM



Date: 9.APR.2015 21:37:23

Modulation: QPSK



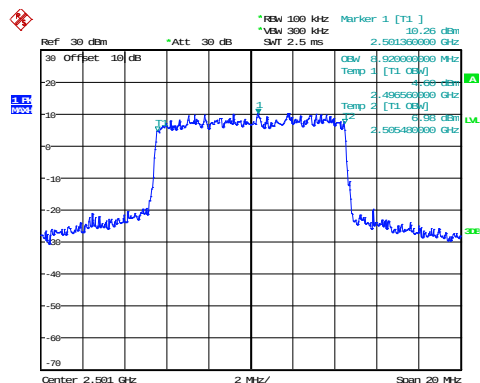
Date: 9.APR.2015 21:37:18

Highest channel

Test Item: 99% Occupy bandwidth

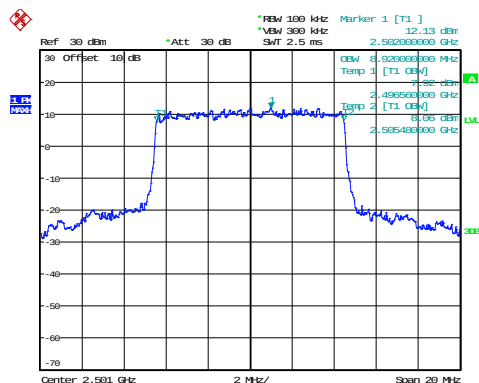
BW: 10MHz

Modulation:16QAM



Date: 9.APR.2015 21:39:18

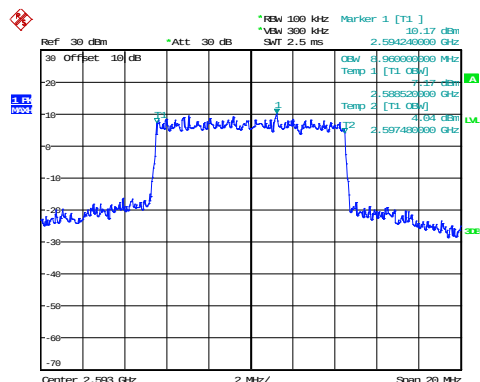
Modulation: QPSK



Date: 9.APR.2015 21:39:07

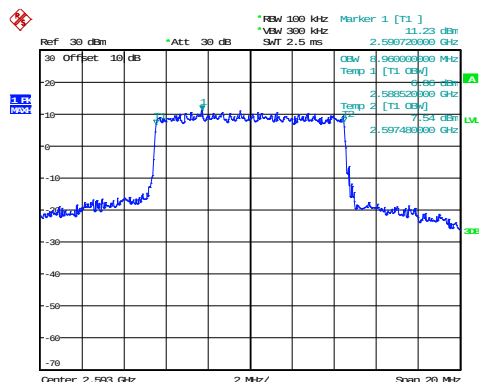
Lowest channel

Modulation:16QAM



Date: 9.APR.2015 21:39:45

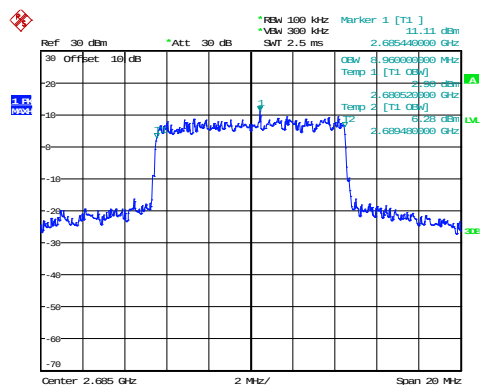
Modulation: QPSK



Date: 9.APR.2015 21:39:37

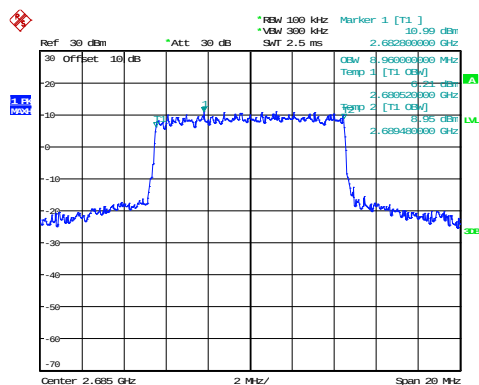
Middle channel

Modulation:16QAM



Date: 9.APR.2015 21:40:17

Modulation: QPSK

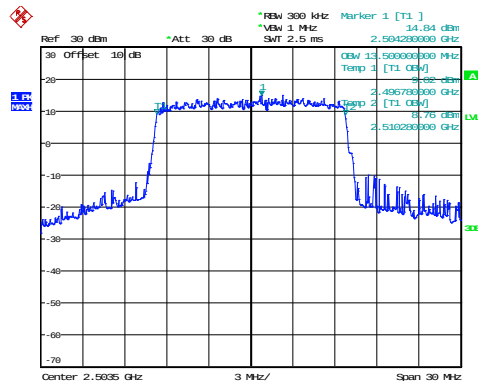


Date: 9.APR.2015 21:40:11

Highest channel

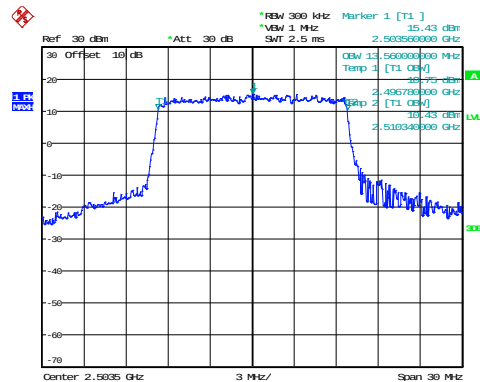
Test Item: 99% Occupy bandwidth
BW: 15MHz

Modulation:16QAM



Date: 9.APR.2015 21:41:11

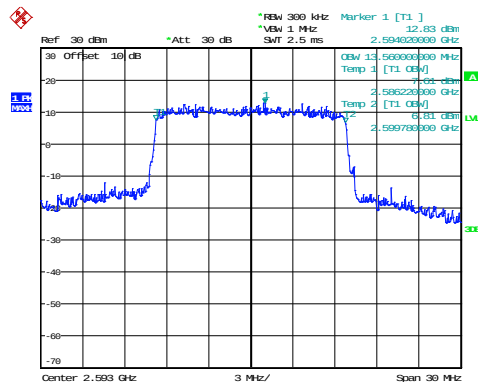
Modulation: QPSK



Date: 9.APR.2015 21:41:01

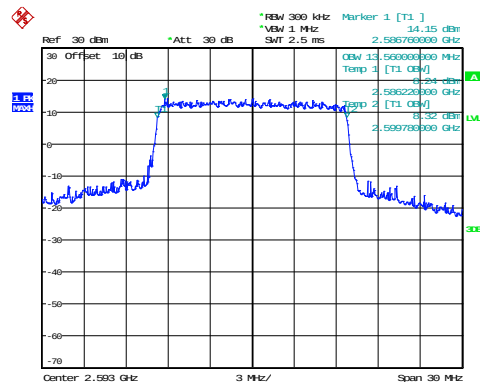
Lowest channel

Modulation:16QAM



Date: 9.APR.2015 21:42:03

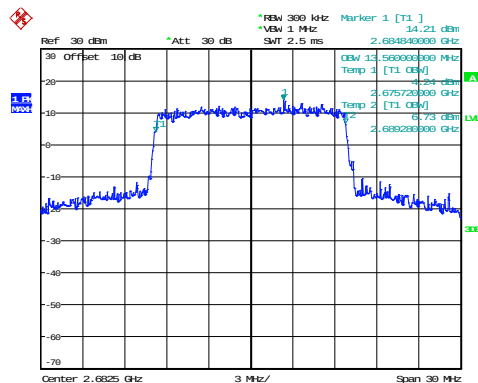
Modulation: QPSK



Date: 9.APR.2015 21:41:57

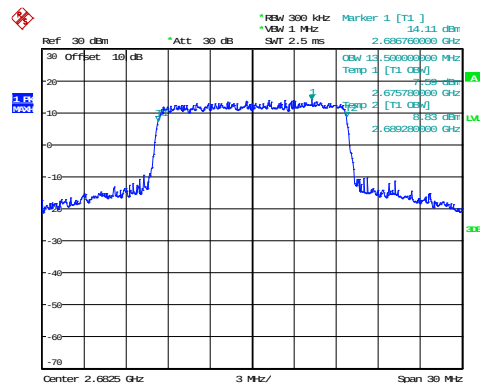
Middle channel

Modulation:16QAM



Date: 9.APR.2015 21:42:31

Modulation: QPSK



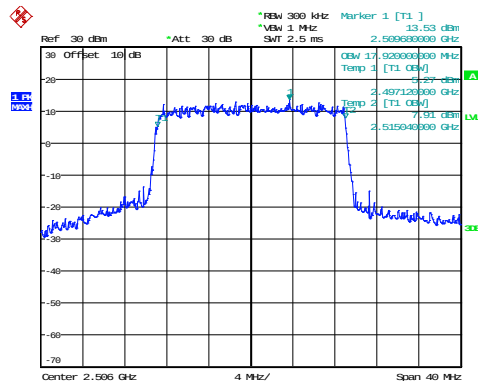
Date: 9.APR.2015 21:42:25

Highest channel

Test Item: 99% Occupy bandwidth

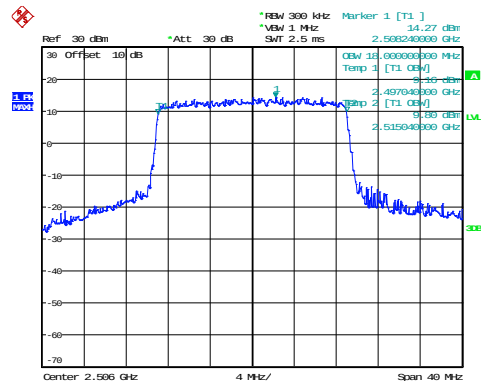
BW: 20MHz

Modulation: 16QAM



Date: 9.APR.2015 21:43:19

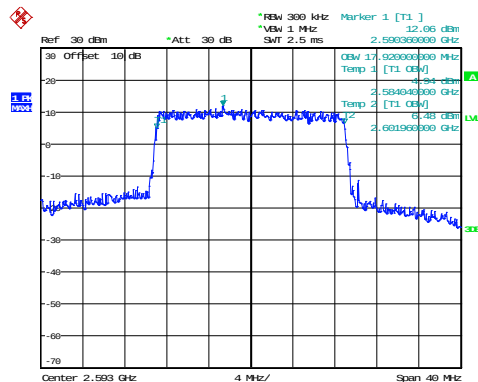
Modulation: QPSK



Date: 9.APR.2015 21:43:13

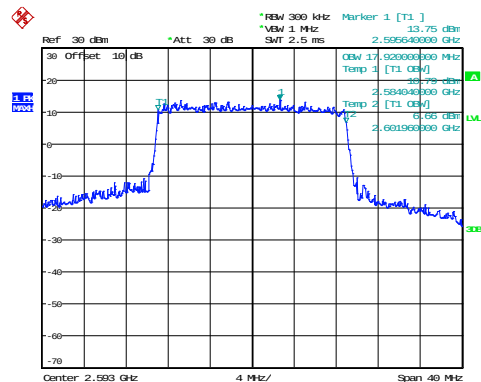
Lowest channel

Modulation: 16QAM



Date: 9.APR.2015 21:43:43

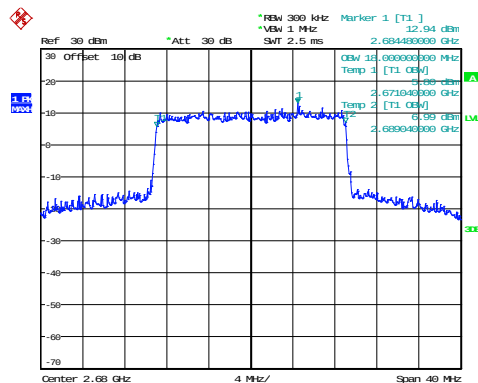
Modulation: QPSK



Date: 9.APR.2015 21:43:38

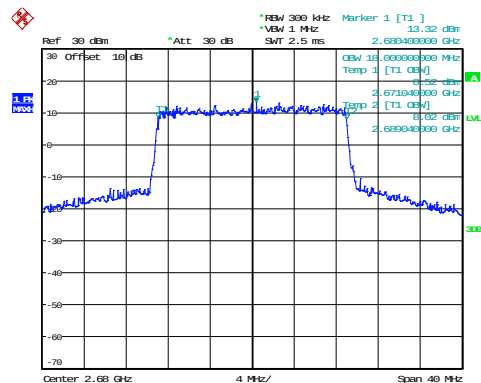
Middle channel

Modulation: 16QAM



Date: 9.APR.2015 21:44:06

Modulation: QPSK

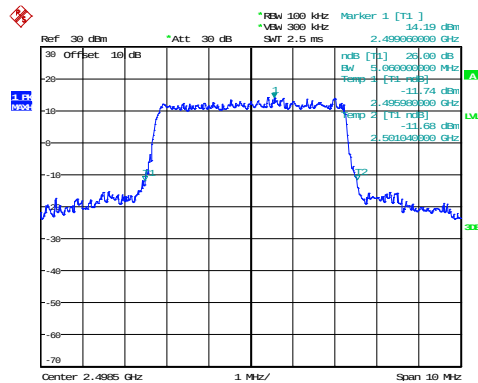


Date: 9.APR.2015 21:44:01

Highest channel

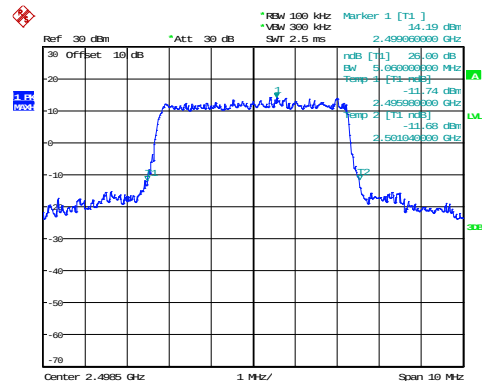
Test Item: -26dBc bandwidth
BW: 5MHz

Modulation: 16QAM



Date: 9, APR, 2015 21:45:24

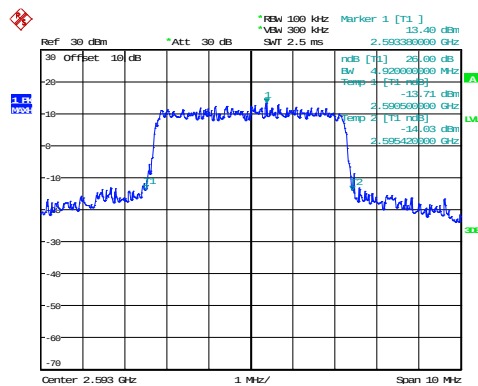
Modulation: QPSK



Date: 9, APR, 2015 21:45:24

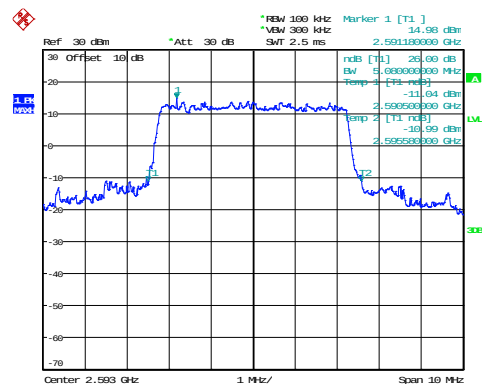
Lowest channel

Modulation: 16QAM



Date: 9, APR, 2015 21:46:14

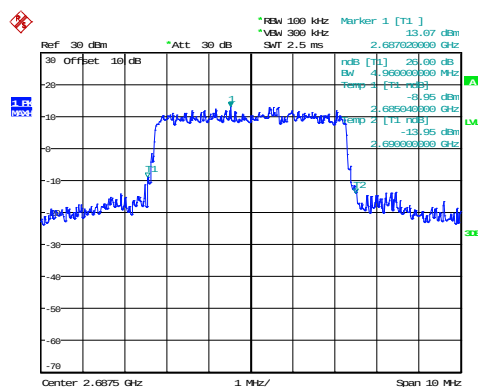
Modulation: QPSK



Date: 9, APR, 2015 21:46:07

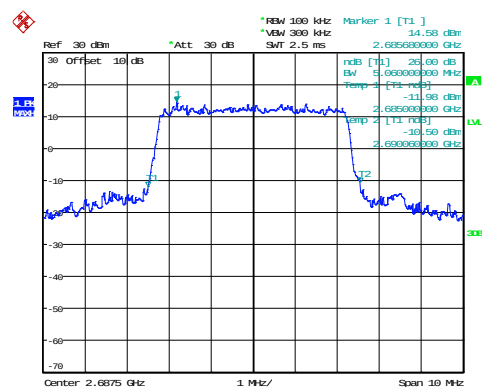
Middle channel

Modulation: 16QAM



Date: 9, APR, 2015 21:46:57

Modulation: QPSK

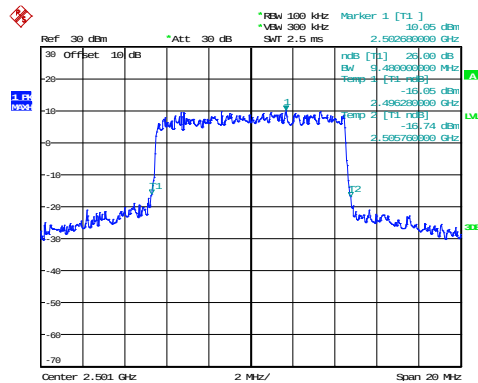


Date: 9, APR, 2015 21:46:51

Highest channel

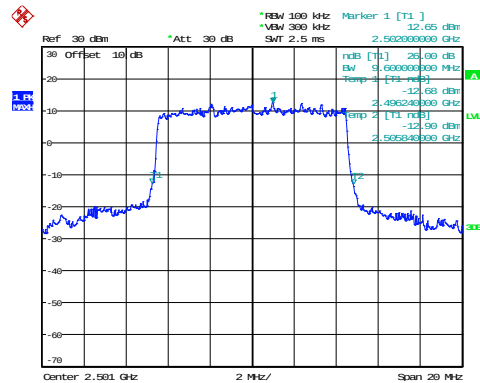
Test Item: -26dBc bandwidth
BW: 10MHz

Modulation:16QAM



Date: 9.APR.2015 21:47:34

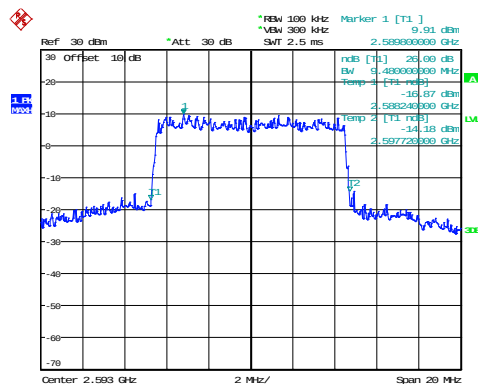
Modulation: QPSK



Date: 9.APR.2015 21:47:27

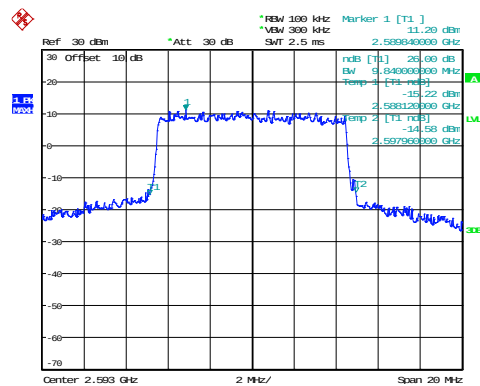
Lowest channel

Modulation:16QAM



Date: 9.APR.2015 21:47:57

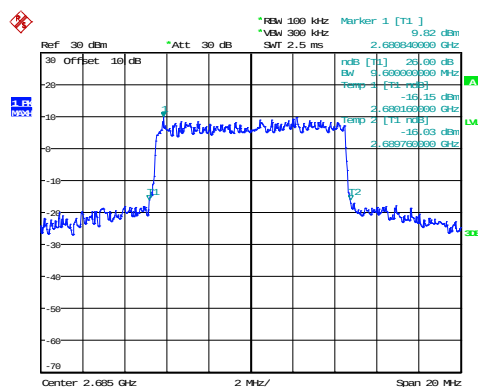
Modulation: QPSK



Date: 9.APR.2015 21:47:51

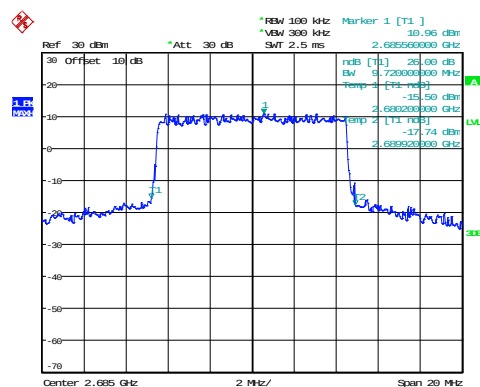
Middle channel

Modulation:16QAM



Date: 9.APR.2015 21:48:24

Modulation: QPSK

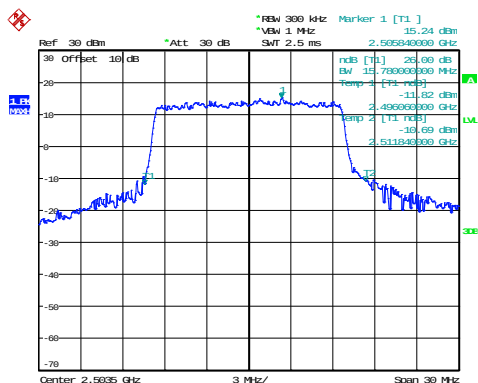


Date: 9.APR.2015 21:48:18

Highest channel

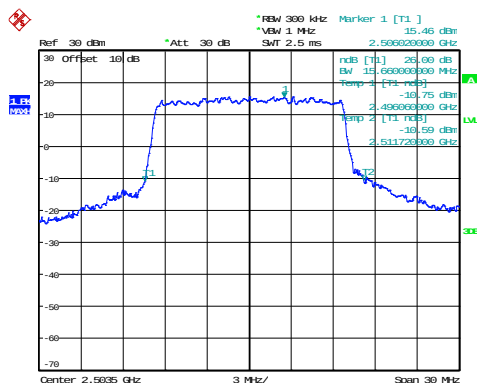
Test Item: -26dBc bandwidth
BW: 15MHz

Modulation:16QAM



Date: 9.APR.2015 21:51:33

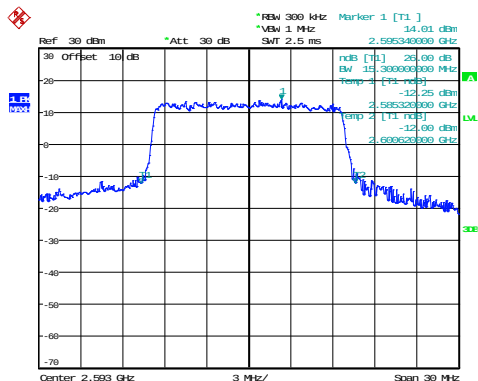
Modulation: QPSK



Date: 9.APR.2015 21:50:37

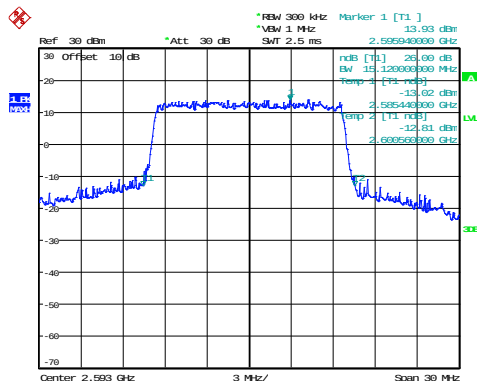
Lowest channel

Modulation:16QAM



Date: 9.APR.2015 21:52:46

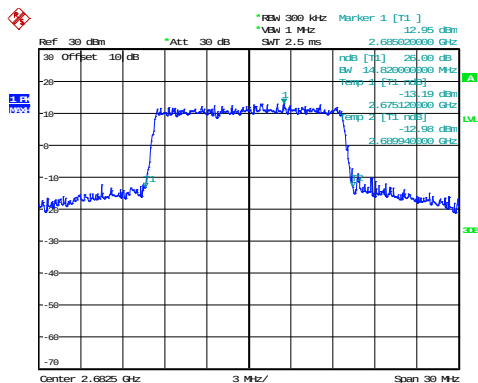
Modulation: QPSK



Date: 9.APR.2015 21:51:56

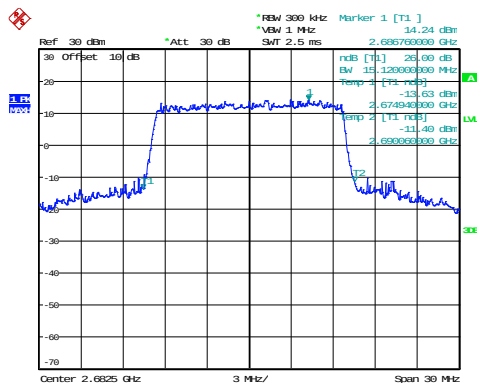
Middle channel

Modulation:16QAM



Date: 9.APR.2015 21:53:21

Modulation: QPSK

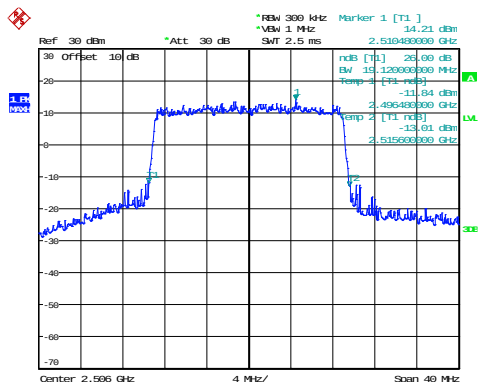


Date: 9.APR.2015 21:53:09

Highest channel

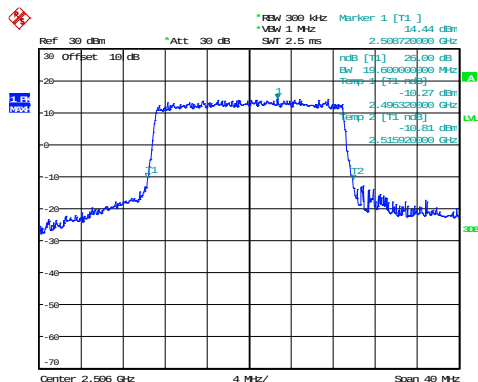
Test Item: -26dBc bandwidth
BW: 20MHz

Modulation:16QAM



Date: 9.APR.2015 21:53:58

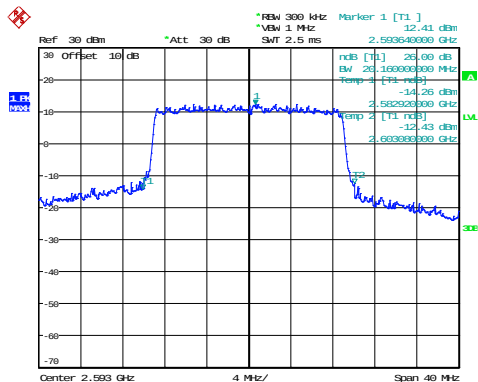
Modulation: QPSK



Date: 9.APR.2015 21:53:58

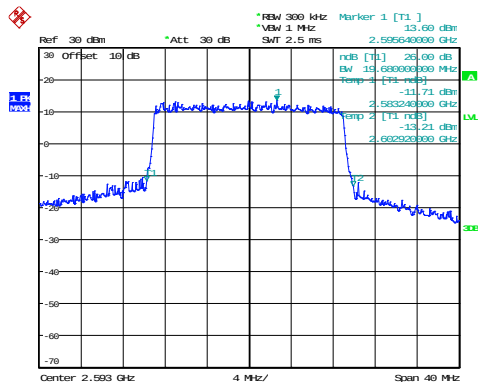
Lowest channel

Modulation:16QAM



Date: 9.APR.2015 21:54:43

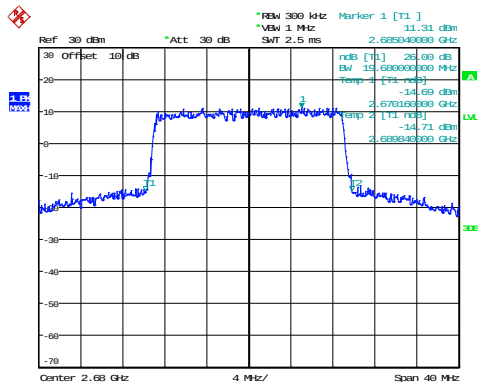
Modulation: QPSK



Date: 9.APR.2015 21:54:19

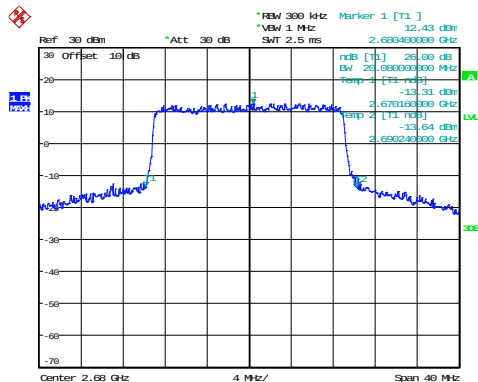
Middle channel

Modulation:16QAM



Date: 9.APR.2015 21:55:15

Modulation: QPSK



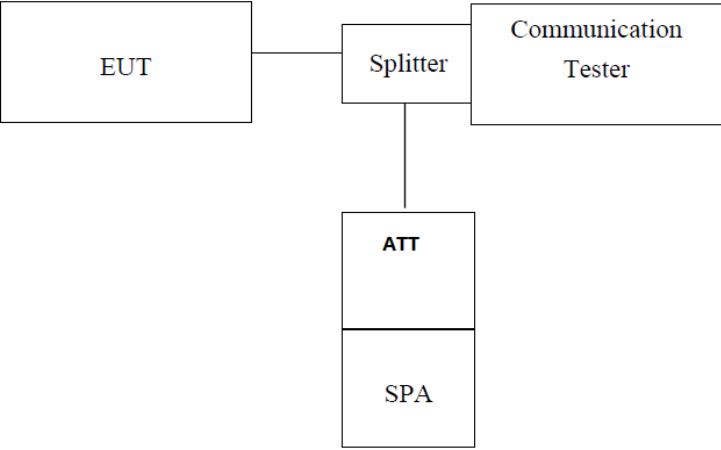
Date: 9.APR.2015 21:55:07

Highest channel

6.8 Modulation Characteristic

According to FCC § 2.1047(d), Part 27L & 27C there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.

6.9 Out of band emission at antenna terminals

Test Requirement:	FCC Part 22.917(a), part 24.238(a), part 27.53(m) and part 90.691(a)
Test Method:	FCC part 2.1051
Limit:	Band 25 and Band 26 for Part 22H: less than -13 dBm, Band 26 for part 90: refer to part 90.691(a) Band 41: Refer to part 27.53(m)
Test setup:	 <i>Note: Measurement setup for testing on Antenna connector</i>
Test Procedure:	1 The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation. 2 The resolution bandwidth of the spectrum analyzer was set at 100 kHz when below 1GHz, 1MHz when above 1 GHz; sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic. 3 For the out of band: Set the RBW=100 kHz, VBW=300 kHz when below 1 GHz, RBW =1 MHz, VBW=3 MHz when above 1 GHz, Start=30MHz, Stop= 10th harmonic. 4 Band Edge Requirements: In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to measure the out of band Emissions.
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

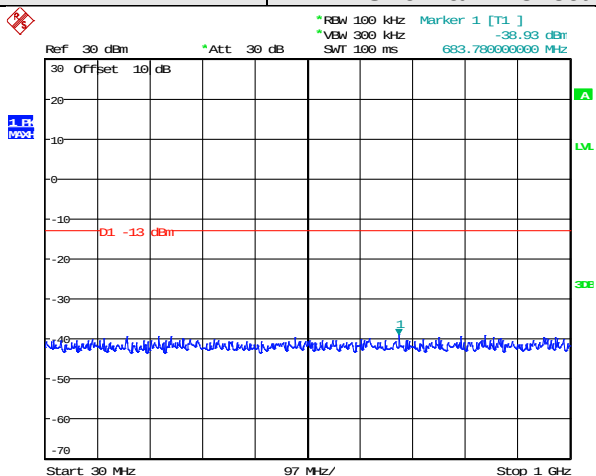
Test plots as follows:

Spurious emission

LTE band 25 Part:

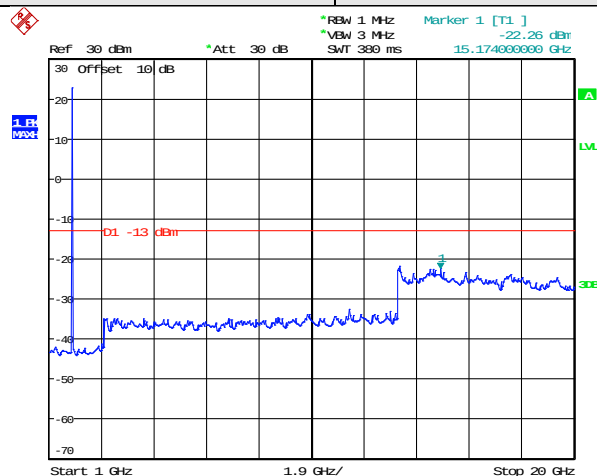
1.4MHz

Test Mode:	LTE band 25(1.4 MHz 16QAM) RB Size 1 & RB Offset 2	Test Channel:	Lowest channel
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Date: 9.APR.2015 22:40:21

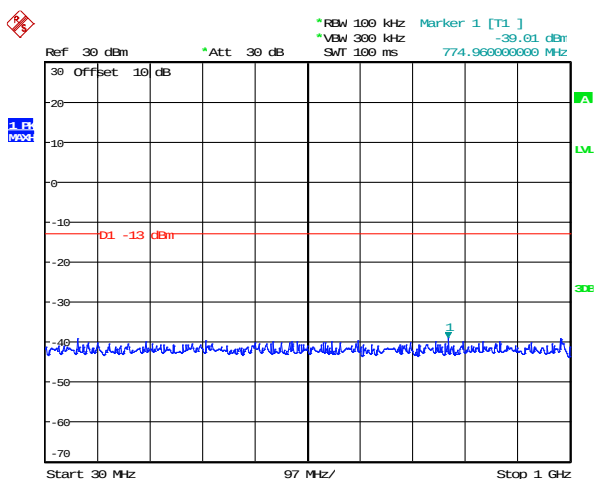
30MHz~1GHz



Date: 9.APR.2015 22:01:43

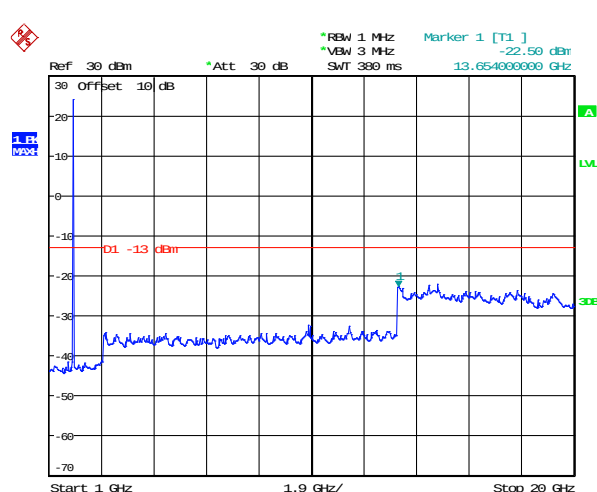
1GHz~20GHz

Test Mode:	LTE band 25(1.4 MHz 16QAM) RB Size 1 & RB Offset 0	Test Channel:	Middle channel
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Date: 9.APR.2015 22:41:13

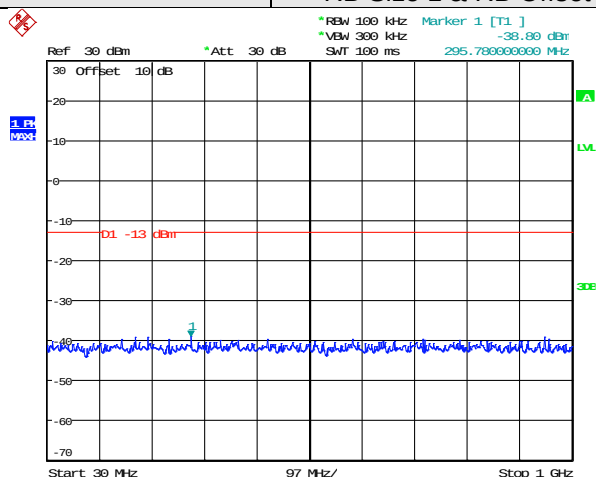
30MHz~1GHz



Date: 9.APR.2015 22:04:48

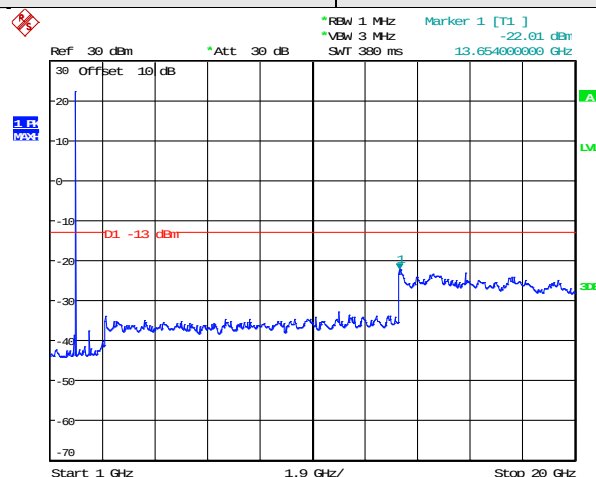
1GHz~20GHz

Test Mode:	LTE band 25(1.4 MHz 16QAM) RB Size 1 & RB Offset 0	Test Channel:	Highest channel
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Date: 9.APR.2015 22:42:01

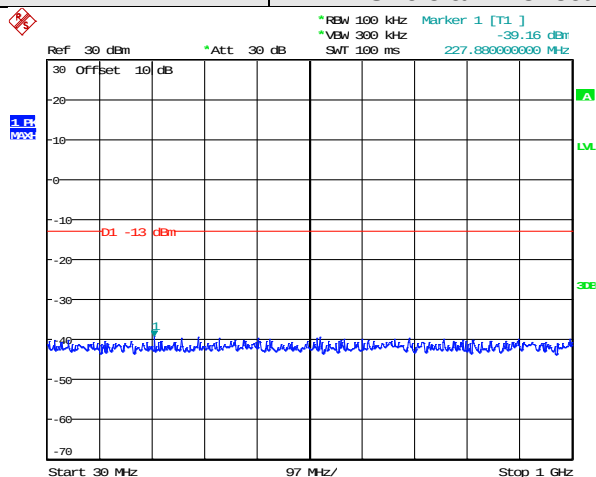
30MHz~1GHz



Date: 9.APR.2015 22:06:20

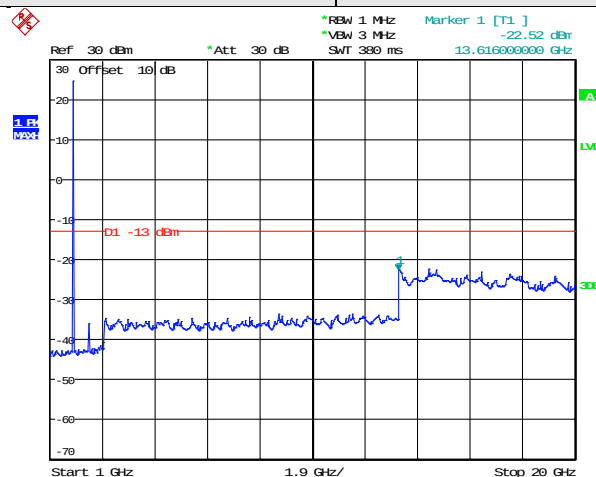
1GHz~20GHz

Test Mode:	LTE band 25(1.4 MHz 16QAM) RB Size 3 & RB Offset 1	Test Channel:	Lowest channel
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Date: 9.APR.2015 22:40:27

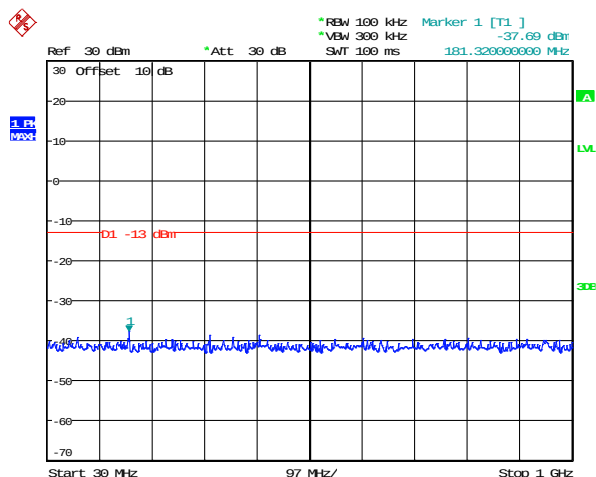
30MHz~1GHz



Date: 9.APR.2015 22:02:01

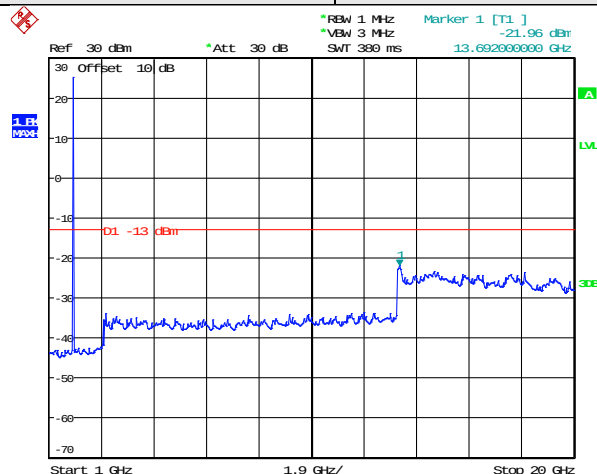
1GHz~20GHz

Test Mode:	LTE band 25(1.4 MHz 16QAM) RB Size 3 & RB Offset 0	Test Channel:	Middle channel
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Date: 9.APR.2015 22:41:21

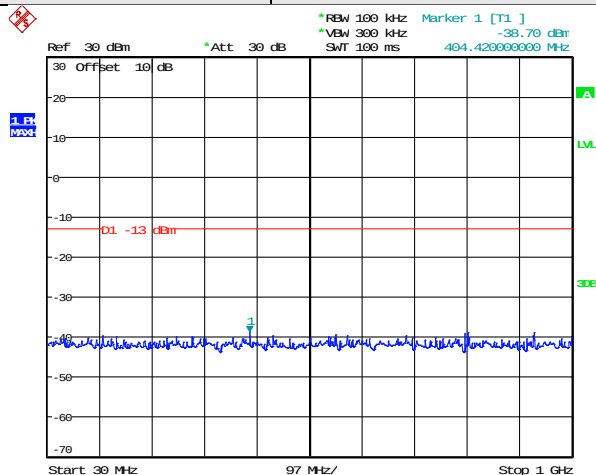
30MHz~1GHz



Date: 9.APR.2015 22:04:59

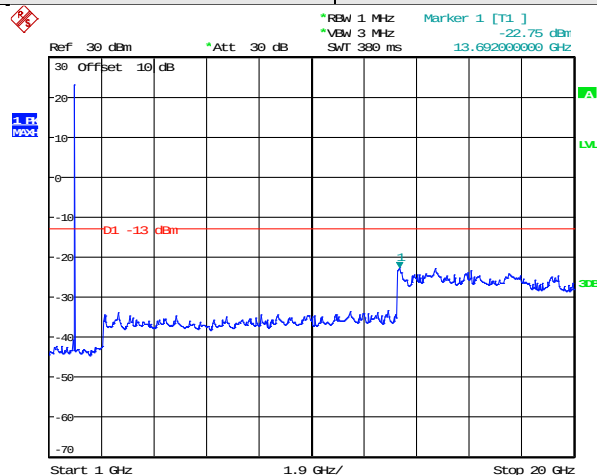
1GHz~20GHz

Test Mode:	LTE band 25(1.4 MHz 16QAM) RB Size 3 & RB Offset 0	Test Channel:	Highest channel
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Date: 9.APR.2015 22:42:07

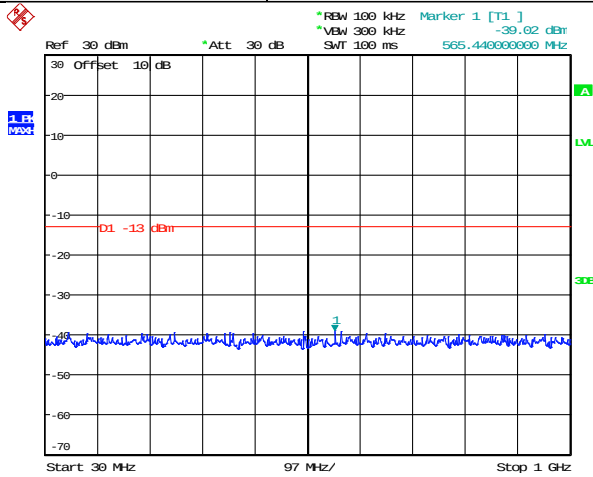
30MHz~1GHz



Date: 9.APR.2015 22:06:30

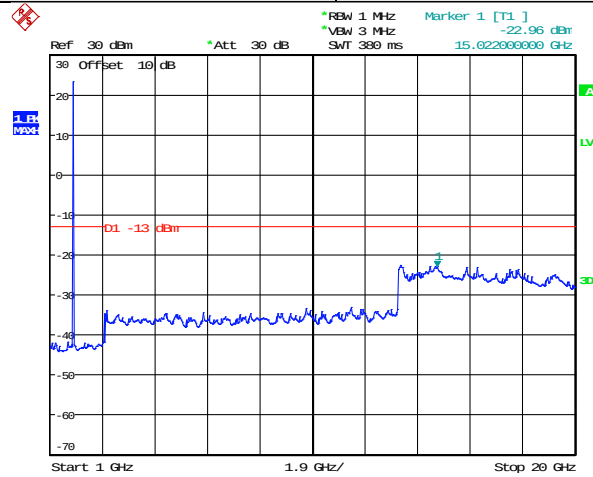
1GHz~20GHz

Test Mode:	LTE band 25(1.4 MHz 16QAM) RB Size 6 & RB Offset 0	Test Channel:	Lowest channel
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Date: 9.APR.2015 22:40:40

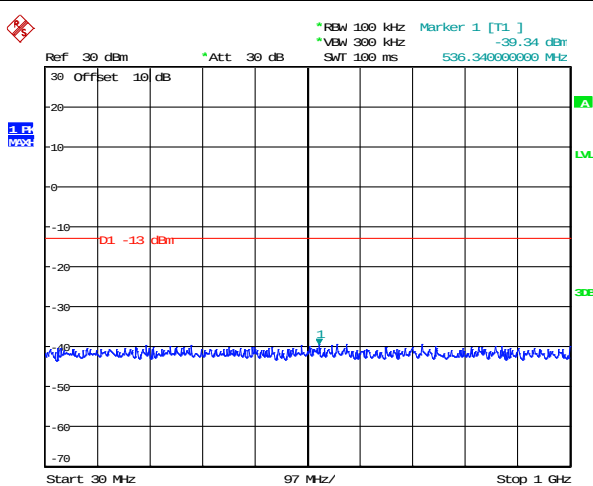
30MHz~1GHz



Date: 9.APR.2015 22:02:25

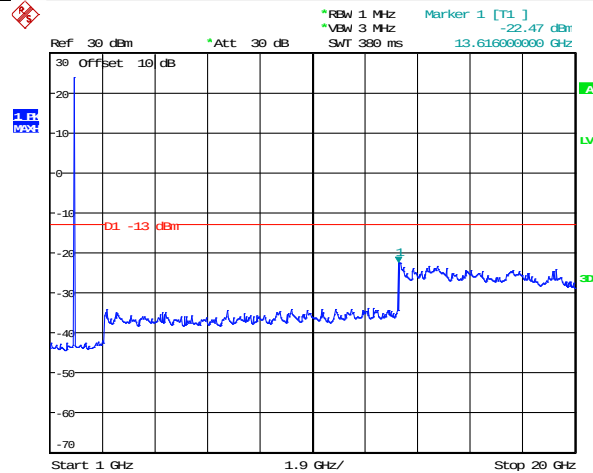
1GHz~20GHz

Test Mode:	LTE band 25(1.4 MHz 16QAM) RB Size 6 & RB Offset 0	Test Channel:	Middle channel
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Date: 9.APR.2015 22:41:27

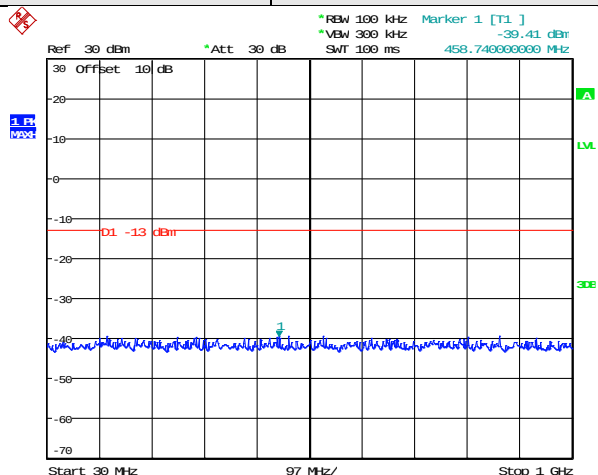
30MHz~1GHz



Date: 9.APR.2015 22:05:08

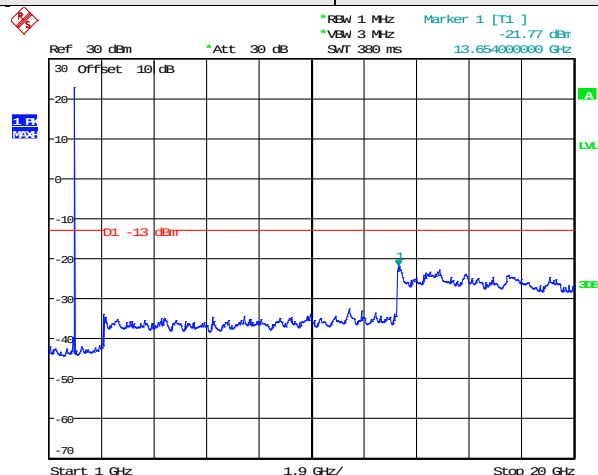
1GHz~20GHz

Test Mode:	LTE band 25(1.4 MHz 16QAM) RB Size 6 & RB Offset 0	Test Channel:	Highest channel
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Date: 9.APR.2015 22:42:13

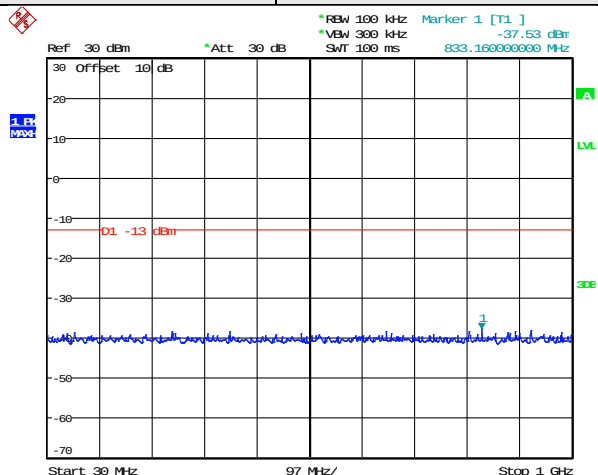
30MHz~1GHz



Date: 9.APR.2015 22:06:42

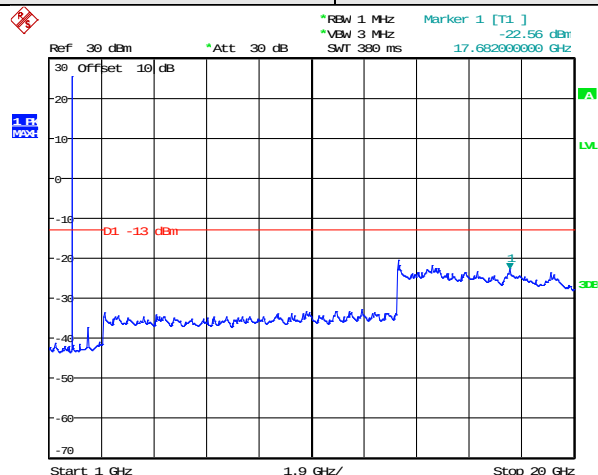
1GHz~20GHz

Test Mode:	LTE band 25(1.4 MHz QPSK) RB Size 1 & RB Offset 2	Test Channel:	Lowest channel
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Date: 9.APR.2015 22:39:58

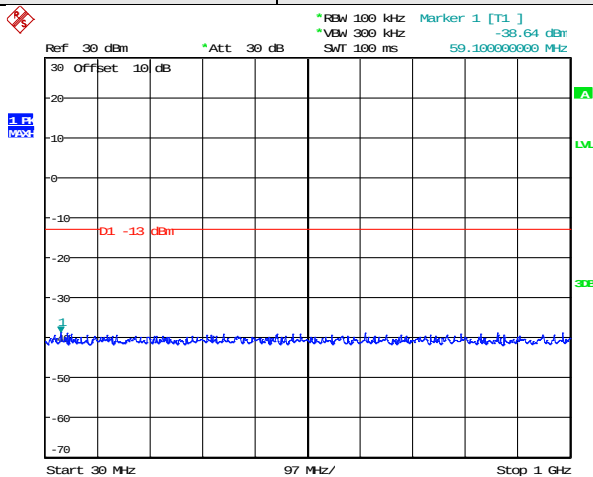
30MHz~1GHz



Date: 9.APR.2015 22:00:15

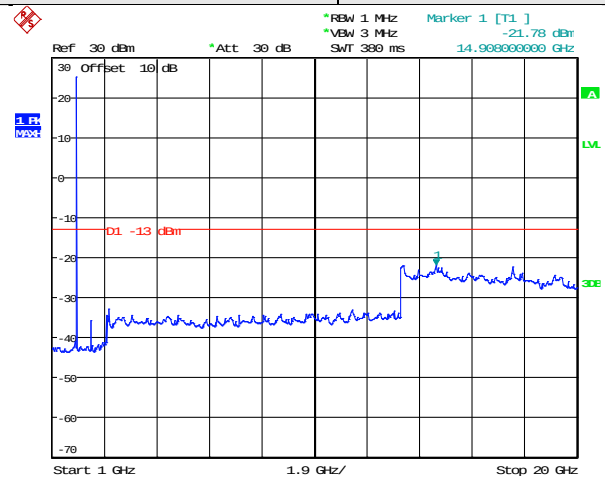
1GHz~20GHz

Test Mode:	LTE band 25(1.4 MHz QPSK) RB Size 1 & RB Offset 5	Test Channel:	Middle channel
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Date: 9.APR.2015 22:40:56

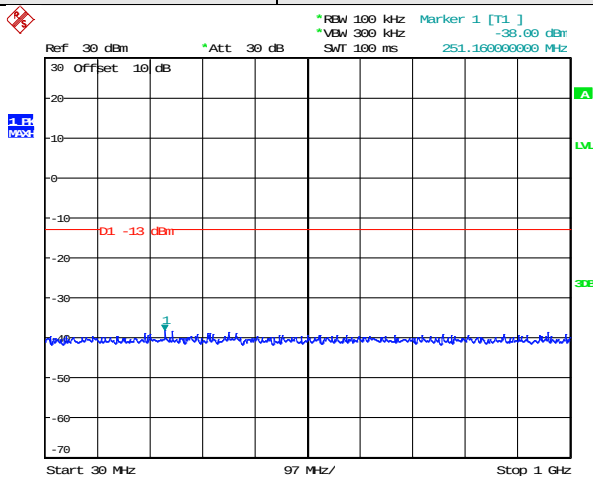
30MHz~1GHz



Date: 9.APR.2015 22:03:56

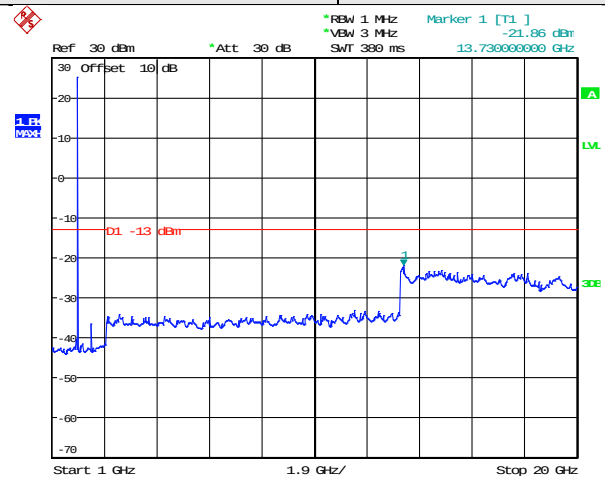
1GHz~20GHz

Test Mode:	LTE band 25(1.4 MHz QPSK) RB Size 1 & RB Offset 2	Test Channel:	Highest channel
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Date: 9.APR.2015 22:41:44

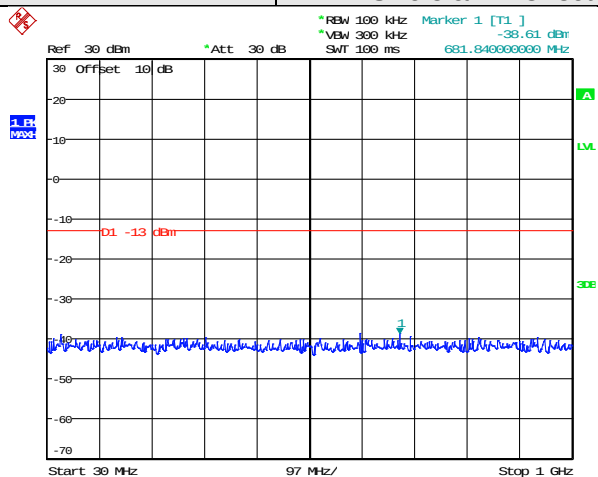
30MHz~1GHz



Date: 9.APR.2015 22:05:38

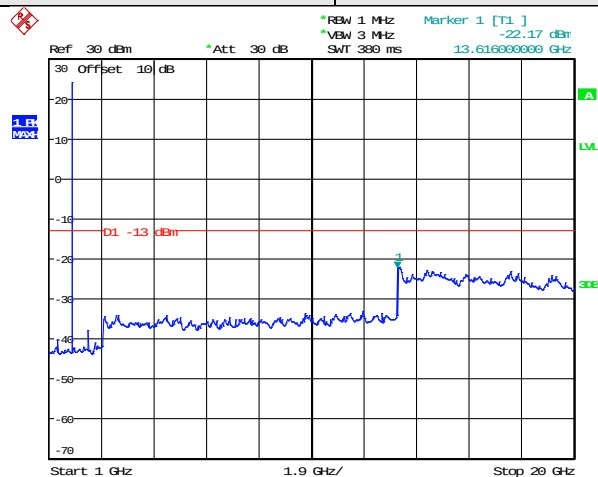
1GHz~20GHz

Test Mode:	LTE band 25(1.4 MHz QPSK) RB Size 3 & RB Offset 0	Test Channel:	Lowest channel
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Date: 9.APR.2015 22:40:04

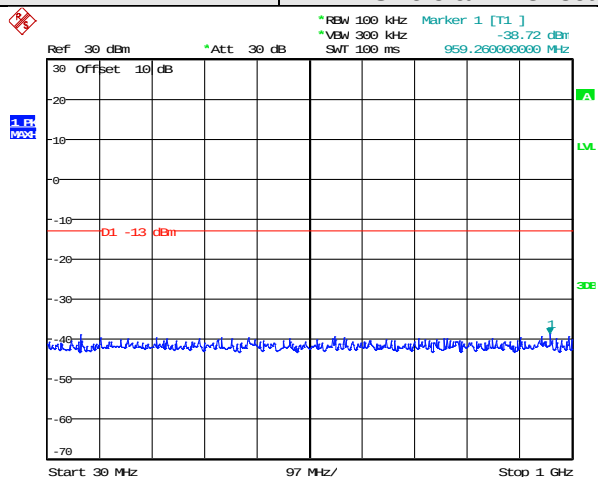
30MHz~1GHz



Date: 9.APR.2015 22:00:54

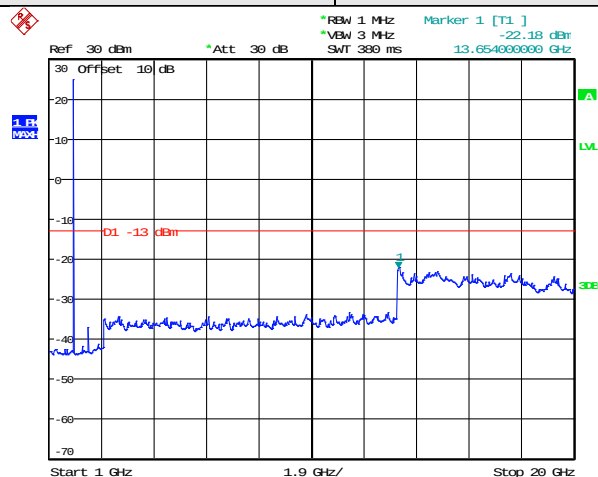
1GHz~20GHz

Test Mode:	LTE band 25(1.4 MHz QPSK) RB Size 3 & RB Offset 0	Test Channel:	Middle channel
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Date: 9.APR.2015 22:41:01

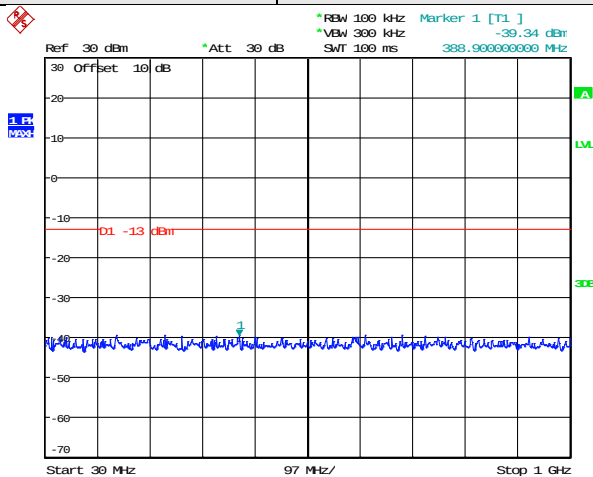
30MHz~1GHz



Date: 9.APR.2015 22:04:11

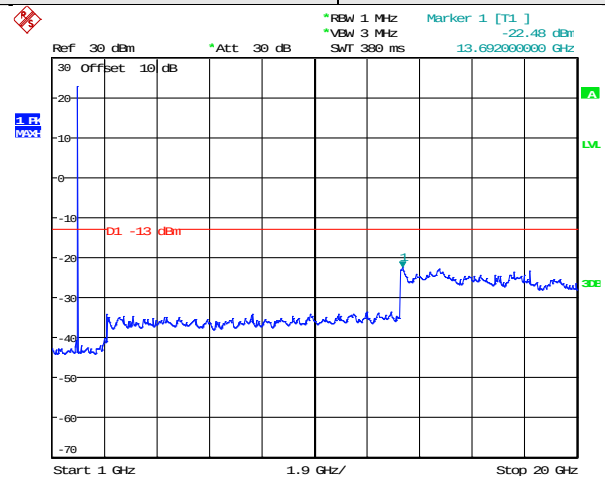
1GHz~20GHz

Test Mode:	LTE band 25(1.4 MHz QPSK) RB Size 3 & RB Offset 1	Test Channel:	Highest channel
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Date: 9.APR.2015 22:41:50

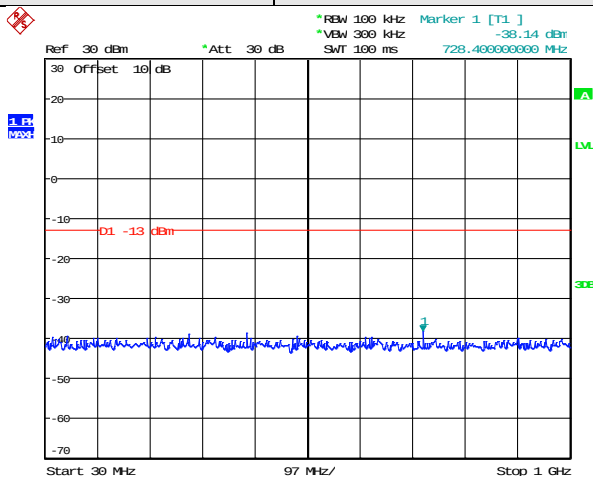
30MHz~1GHz



Date: 9.APR.2015 22:05:53

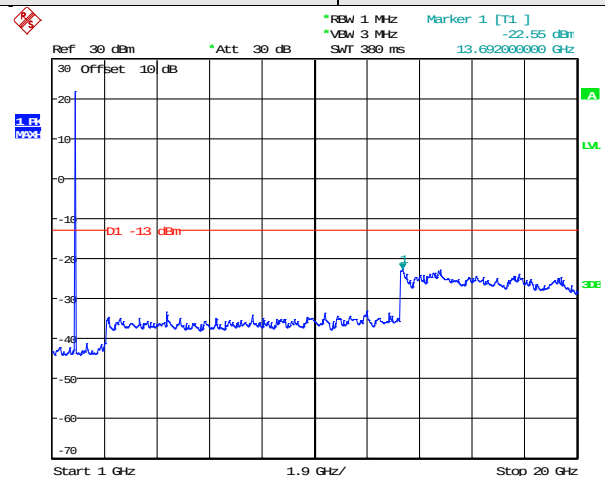
1GHz~20GHz

Test Mode:	LTE band 25(1.4 MHz QPSK) RB Size 6 & RB Offset 0	Test Channel:	Lowest channel
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Date: 9.APR.2015 22:40:15

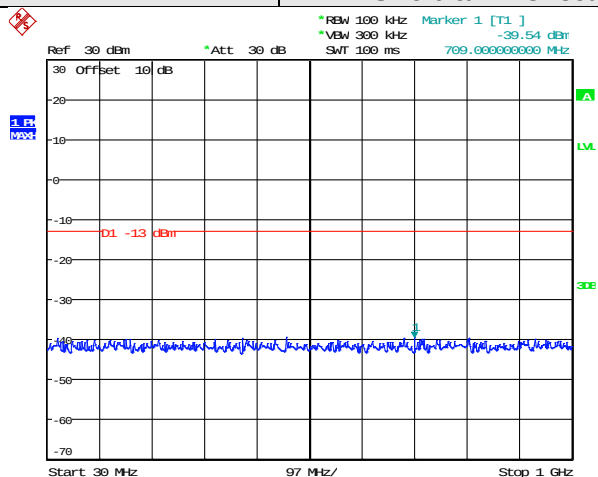
30MHz~1GHz



Date: 9.APR.2015 22:01:07

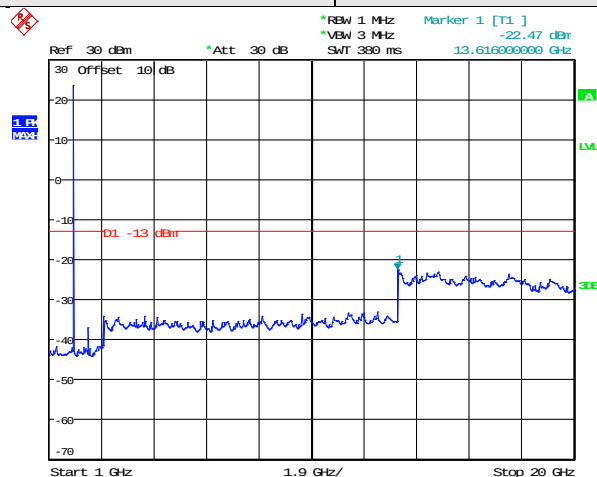
1GHz~20GHz

Test Mode:	LTE band 25(1.4 MHz QPSK) RB Size 6 & RB Offset 0	Test Channel:	Middle channel
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Date: 9.APR.2015 22:41:08

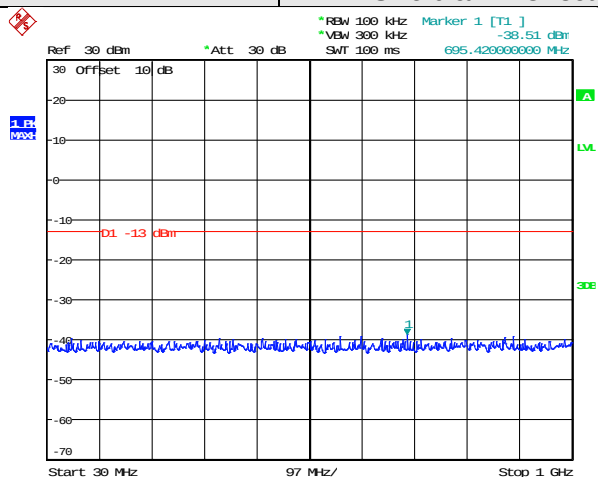
30MHz~1GHz



Date: 9.APR.2015 22:04:28

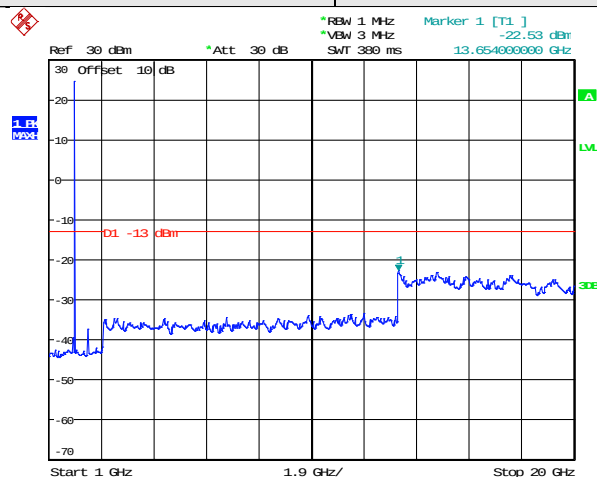
1GHz~20GHz

Test Mode:	LTE band 25(1.4 MHz QPSK) RB Size 6 & RB Offset 0	Test Channel:	Highest channel
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Date: 9.APR.2015 22:41:56

30MHz~1GHz

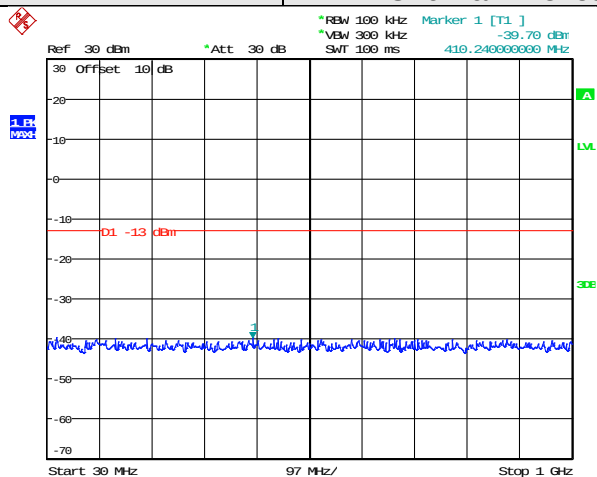


Date: 9.APR.2015 22:06:06

1GHz~20GHz

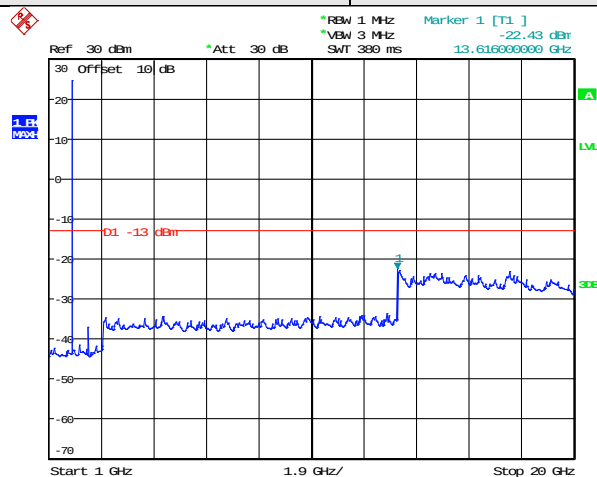
3MHz

Test Mode:	LTE band 25(3MHz 16QAM) RB Size 1 & RB Offset 7	Test Channel:	Lowest channel
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Date: 9.APR.2015 22:42:55

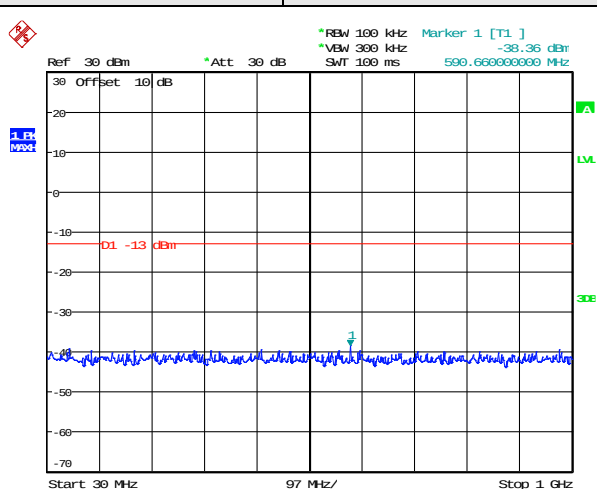
30MHz~1GHz



Date: 9.APR.2015 22:08:08

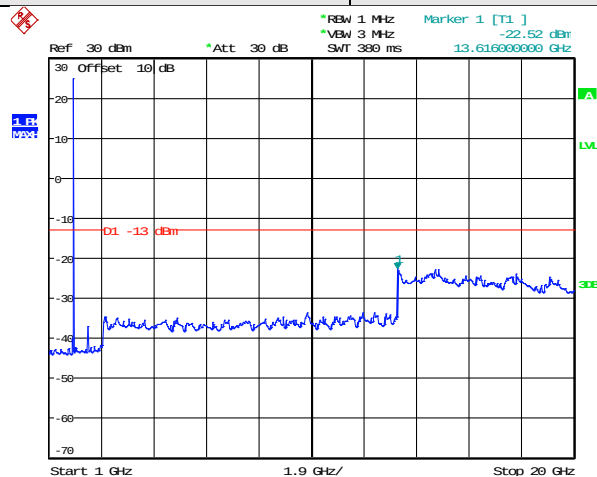
1GHz~20GHz

Test Mode:	LTE band 25(3MHz 16QAM) RB Size 1 & RB Offset 14	Test Channel:	Middle channel
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Date: 9.APR.2015 22:43:37

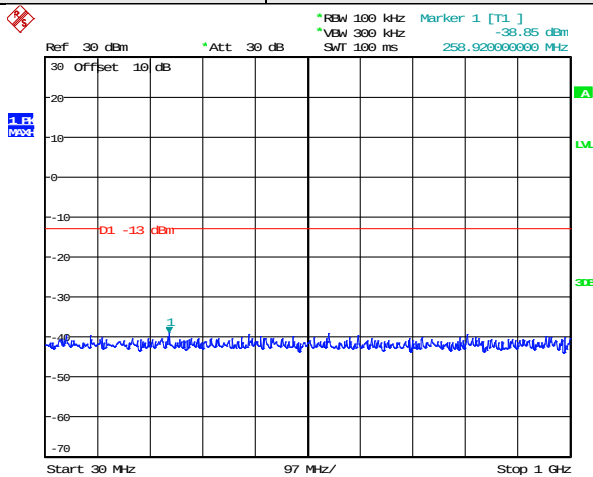
30MHz~1GHz



Date: 9.APR.2015 22:10:24

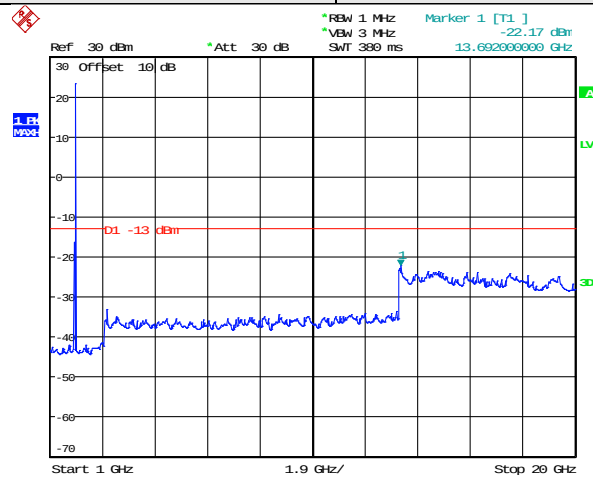
1GHz~20GHz

Test Mode:	LTE band 25(3MHz 16QAM) RB Size 1 & RB Offset 7	Test Channel:	Highest channel
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Date: 9.APR.2015 22:44:24

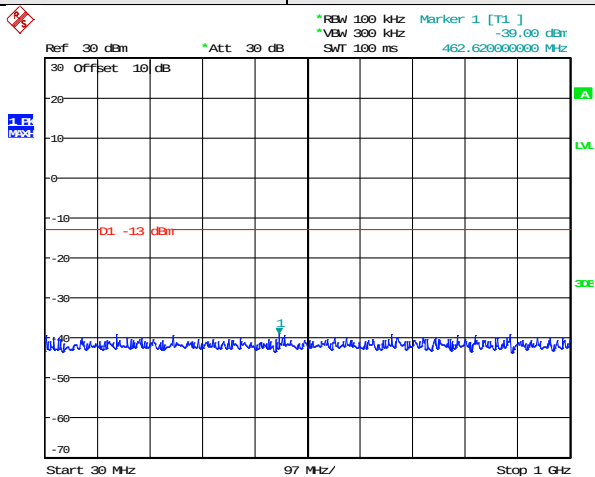
30MHz~1GHz



Date: 9.APR.2015 22:12:51

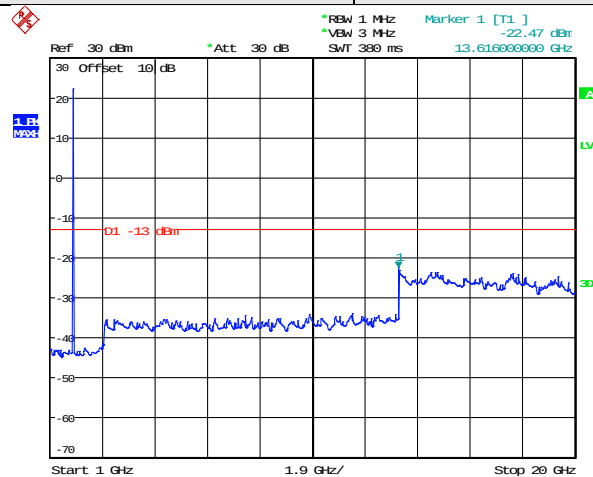
1GHz~20GHz

Test Mode:	LTE band 25(3MHz 16QAM) RB Size 8 & RB Offset 0	Test Channel:	Lowest channel
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Date: 9.APR.2015 22:43:01

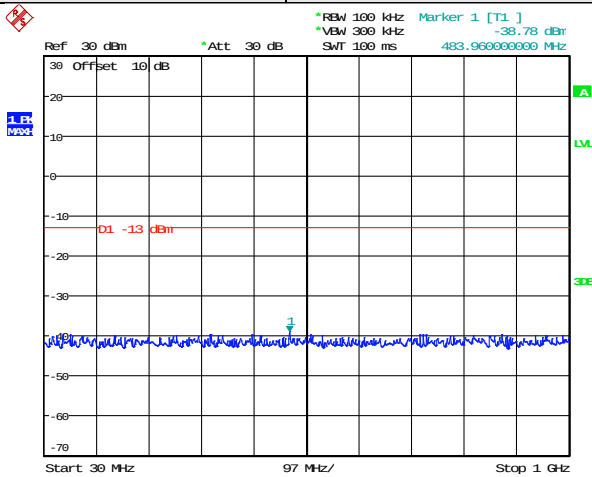
30MHz~1GHz



Date: 9.APR.2015 22:08:20

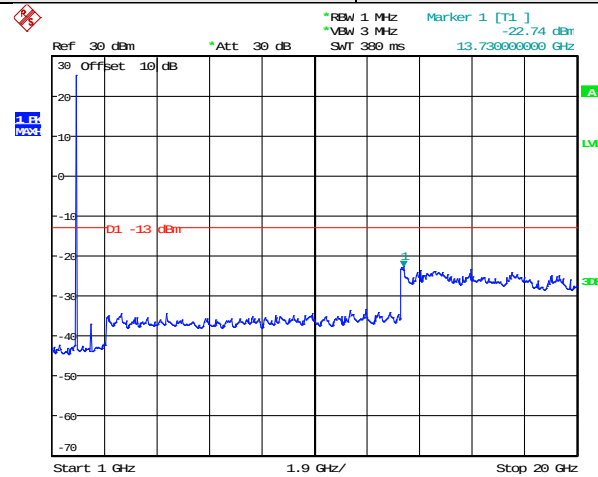
1GHz~20GHz

Test Mode:	LTE band 25(3MHz 16QAM) RB Size 8 & RB Offset 0	Test Channel:	Middle channel
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Date: 9.APR.2015 22:43:44

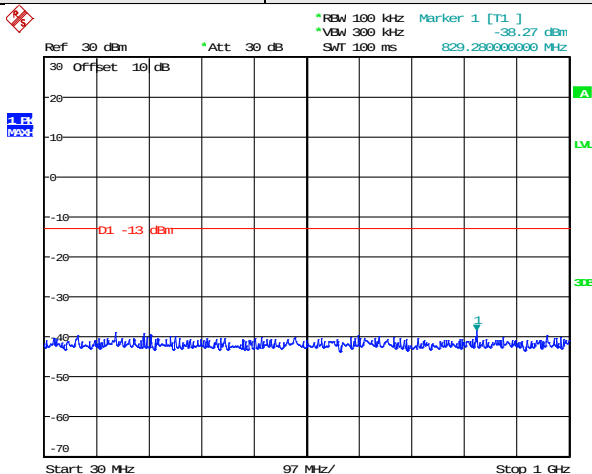
30MHz~1GHz



Date: 9.APR.2015 22:10:47

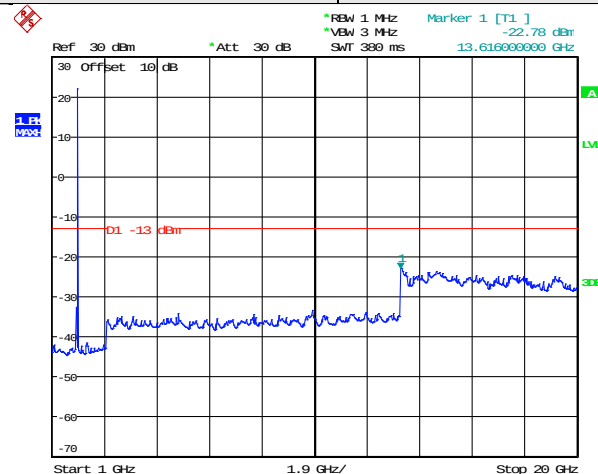
1GHz~20GHz

Test Mode:	LTE band 25(3MHz 16QAM) RB Size 8 & RB Offset 4	Test Channel:	Highest channel
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Date: 9.APR.2015 22:44:29

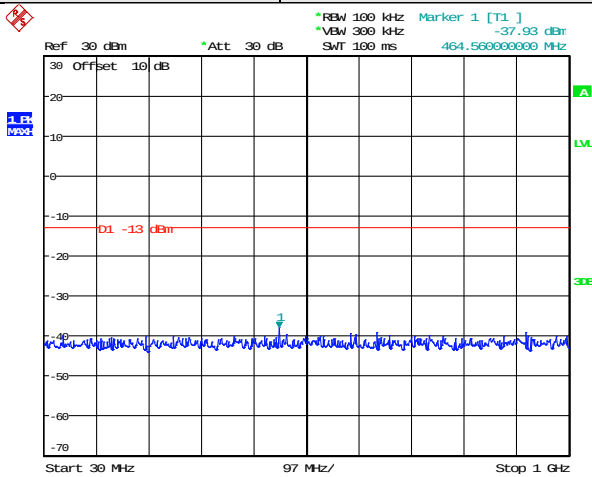
30MHz~1GHz



Date: 9.APR.2015 22:13:03

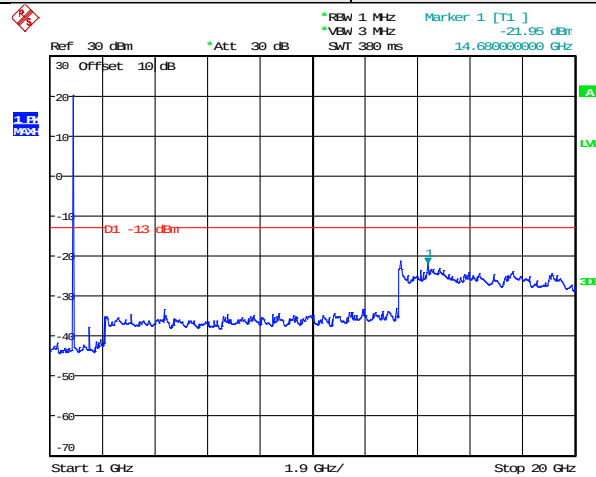
1GHz~20GHz

Test Mode:	LTE band 25(3MHz 16QAM) RB Size 15 & RB Offset 0	Test Channel:	Lowest channel
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Date: 9.APR.2015 22:43:07

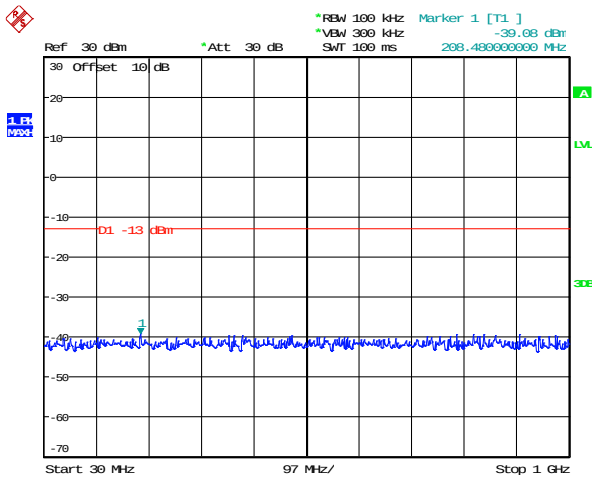
30MHz~1GHz



Date: 9.APR.2015 22:08:31

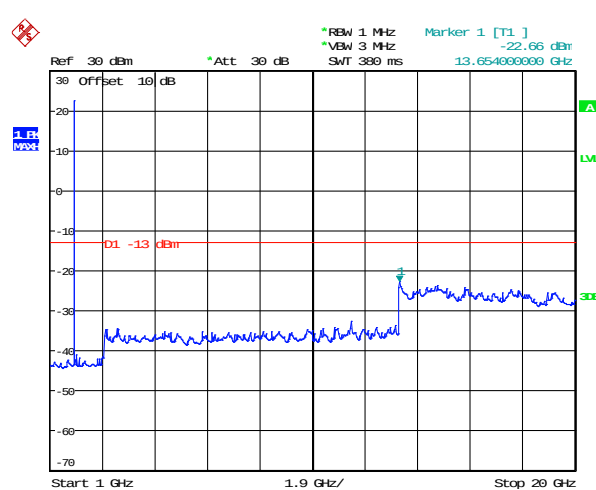
1GHz~20GHz

Test Mode:	LTE band 25(3MHz 16QAM) RB Size 15 & RB Offset 0	Test Channel:	Middle channel
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Date: 9.APR.2015 22:43:50

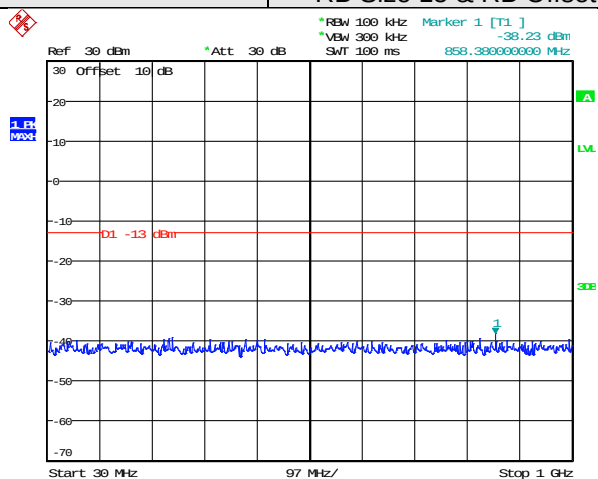
30MHz~1GHz



Date: 9.APR.2015 22:10:58

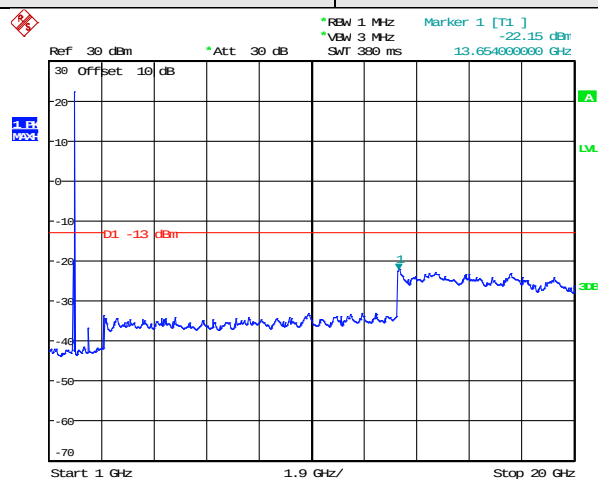
1GHz~20GHz

Test Mode:	LTE band 25(3MHz 16QAM) RB Size 15 & RB Offset 0	Test Channel:	Highest channel
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Date: 9.APR.2015 22:44:35

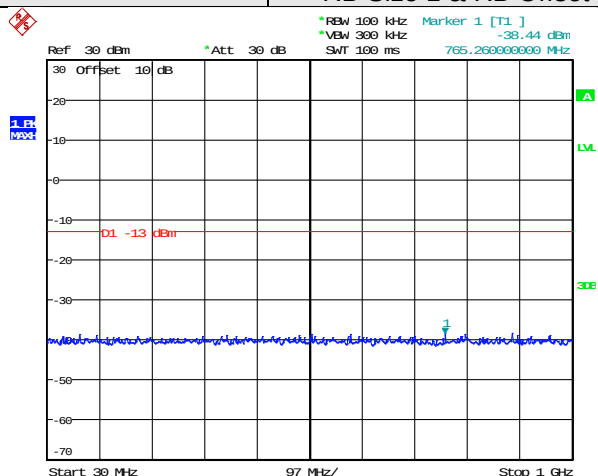
30MHz~1GHz



Date: 9.APR.2015 22:13:38

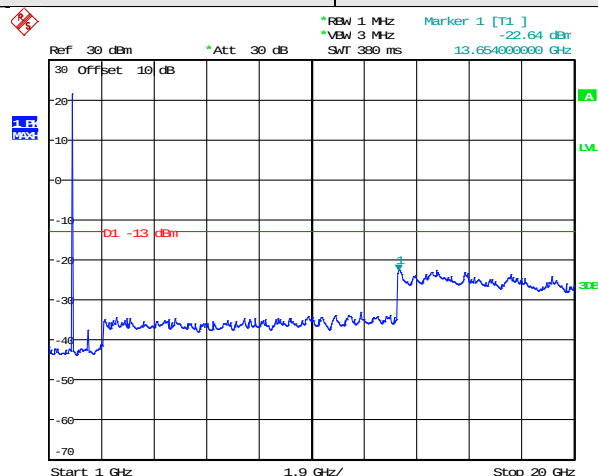
1GHz~20GHz

Test Mode:	LTE band 25(3MHz QPSK) RB Size 1 & RB Offset 7	Test Channel:	Lowest channel
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Date: 9.APR.2015 22:42:39

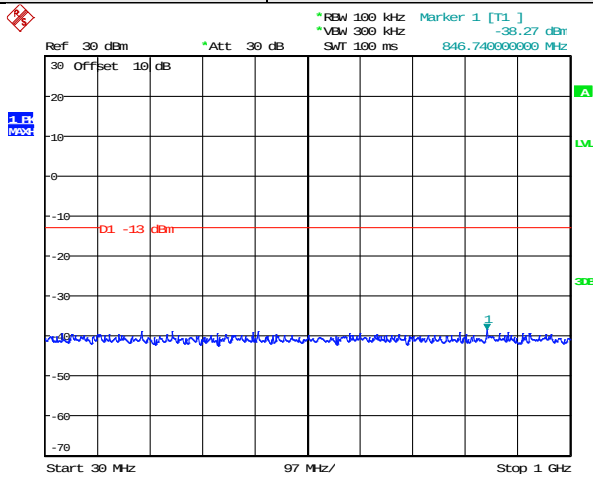
30MHz~1GHz



Date: 9.APR.2015 22:07:11

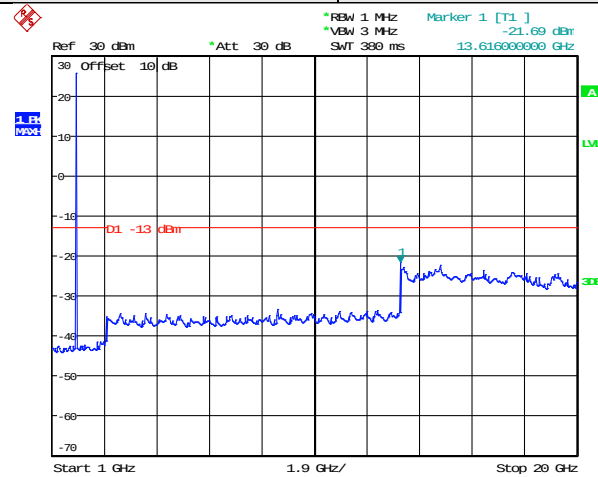
1GHz~20GHz

Test Mode:	LTE band 25(3MHz QPSK) RB Size 1 & RB Offset 0	Test Channel:	Middle channel
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Date: 9.APR.2015 22:43:20

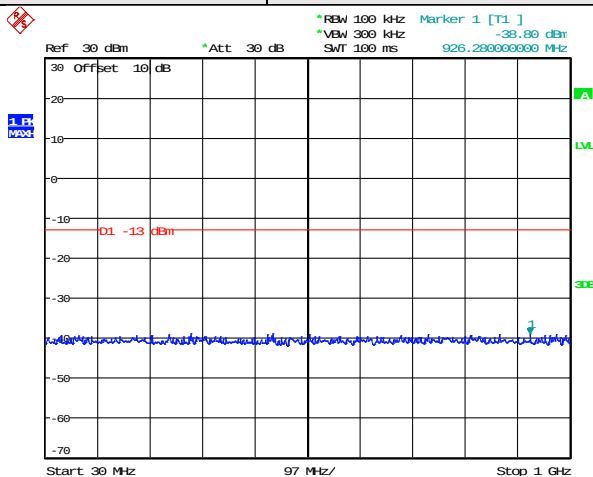
30MHz~1GHz



Date: 9.APR.2015 22:08:56

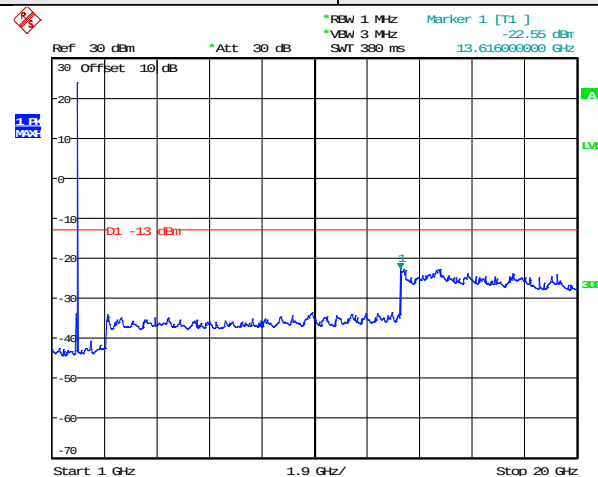
1GHz~20GHz

Test Mode:	LTE band 25(3MHz QPSK) RB Size 1 & RB Offset 7	Test Channel:	Highest channel
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Date: 9.APR.2015 22:44:06

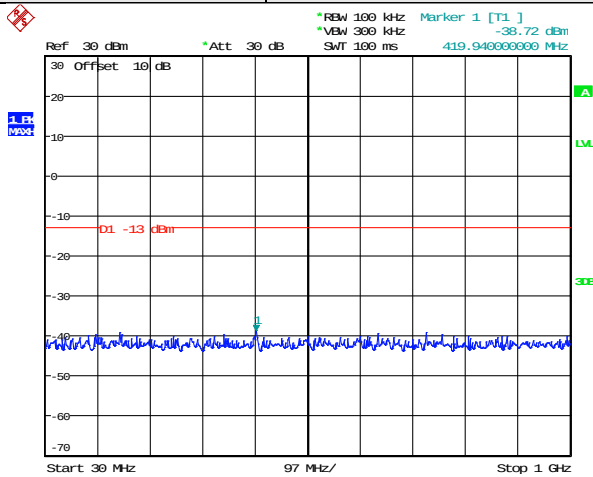
30MHz~1GHz



Date: 9.APR.2015 22:12:19

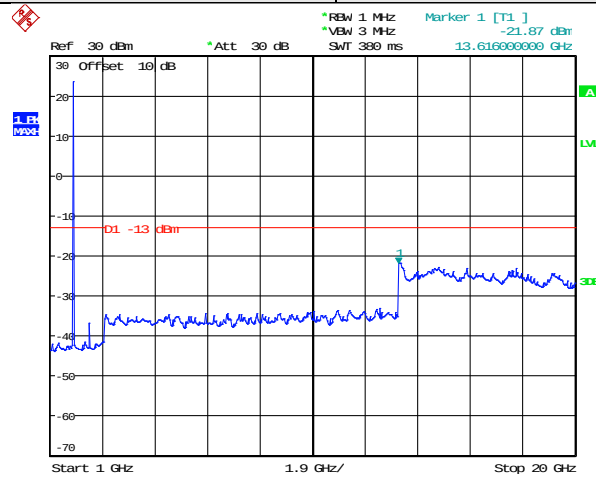
1GHz~20GHz

Test Mode:	LTE band 25(3MHz QPSK) RB Size 8 & RB Offset 4	Test Channel:	Lowest channel
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Date: 9.APR.2015 22:42:44

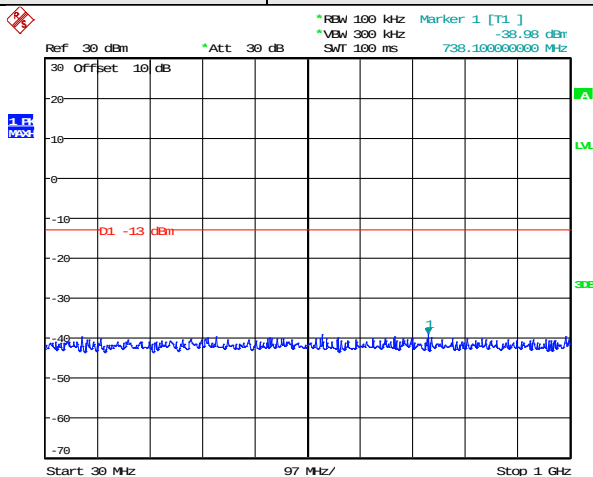
30MHz~1GHz



Date: 9.APR.2015 22:07:44

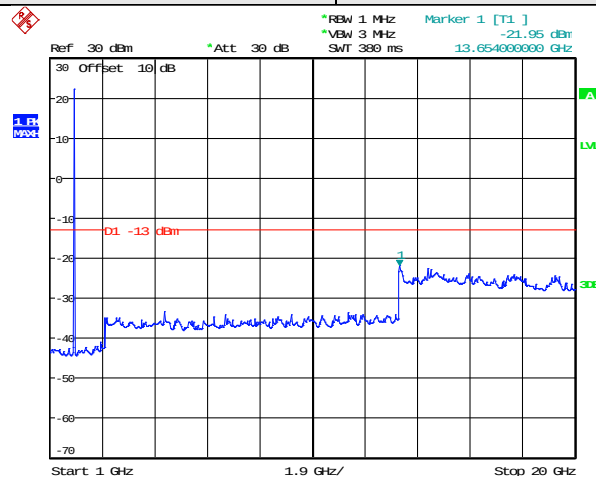
1GHz~20GHz

Test Mode:	LTE band 25(3MHz QPSK) RB Size 8 & RB Offset 0	Test Channel:	Middle channel
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Date: 9.APR.2015 22:43:26

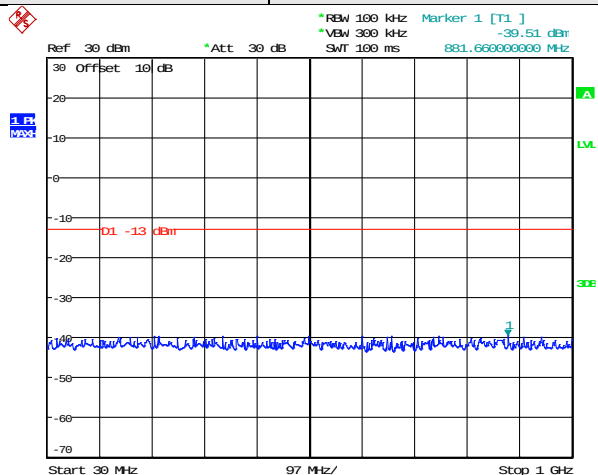
30MHz~1GHz



Date: 9.APR.2015 22:09:09

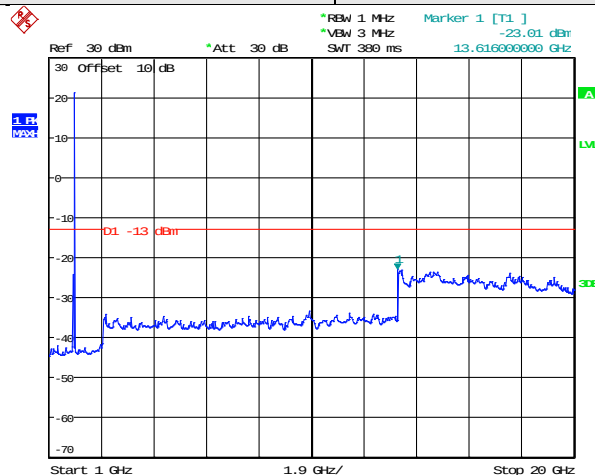
1GHz~20GHz

Test Mode:	LTE band 25(3MHz QPSK) RB Size 8 & RB Offset 0	Test Channel:	Highest channel
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Date: 9.APR.2015 22:44:12

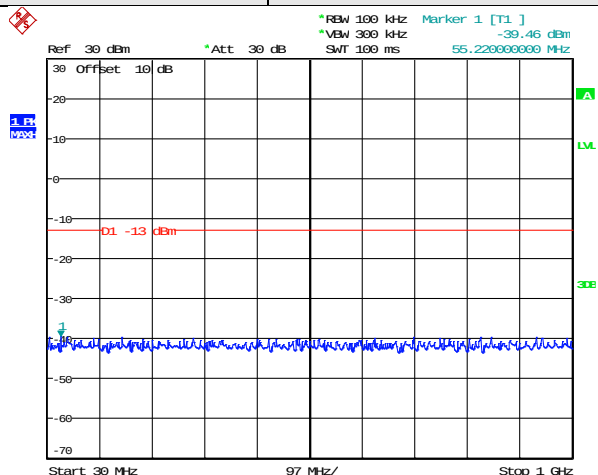
30MHz~1GHz



Date: 9.APR.2015 22:12:29

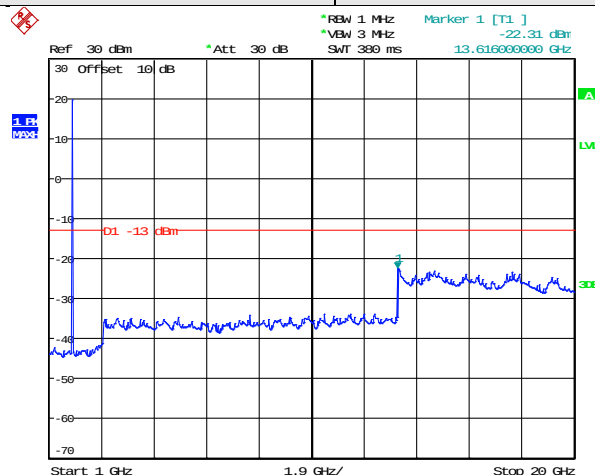
1GHz~20GHz

Test Mode:	LTE band 25(3MHz QPSK) RB Size 15 & RB Offset 0	Test Channel:	Lowest channel
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Date: 9.APR.2015 22:42:50

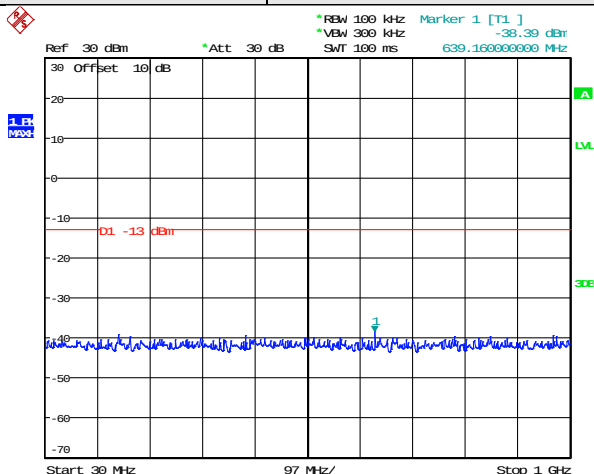
30MHz~1GHz



Date: 9.APR.2015 22:07:54

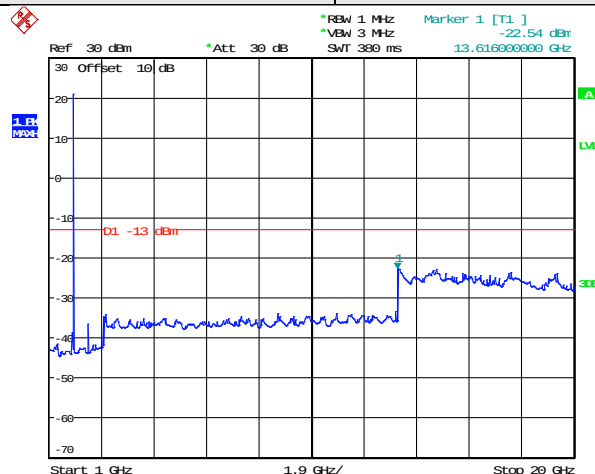
1GHz~20GHz

Test Mode:	LTE band 25(3MHz QPSK) RB Size 15 & RB Offset 0	Test Channel:	Middle channel
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Date: 9.APR.2015 22:43:31

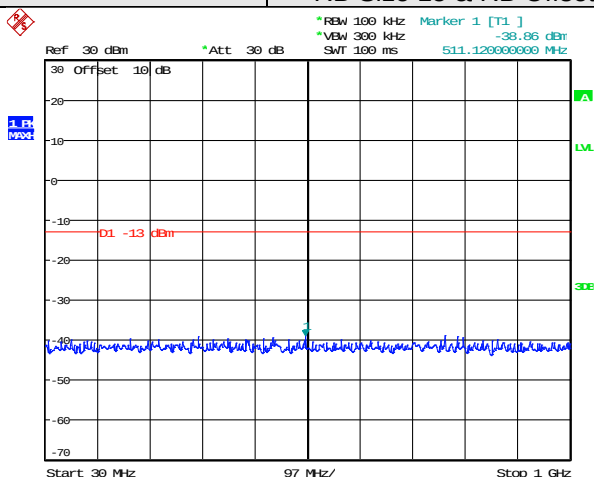
30MHz~1GHz



Date: 9.APR.2015 22:10:13

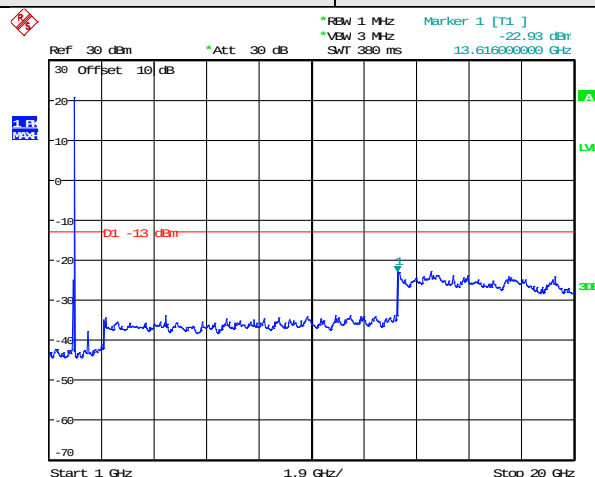
1GHz~20GHz

Test Mode:	LTE band 25(3MHz QPSK) RB Size 15 & RB Offset 0	Test Channel:	Highest channel
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Date: 9.APR.2015 22:44:18

30MHz~1GHz

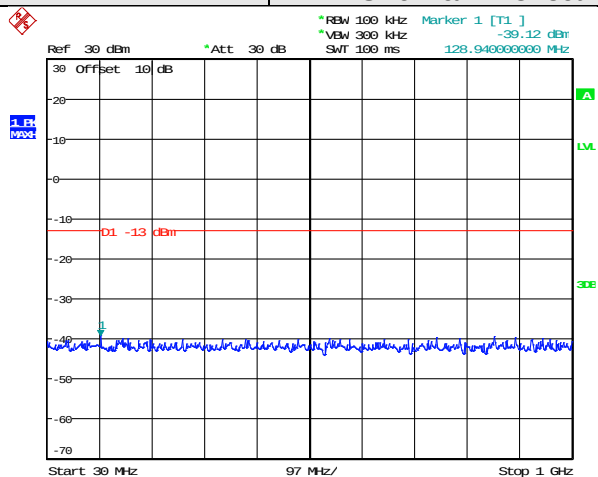


Date: 9.APR.2015 22:12:41

1GHz~20GHz

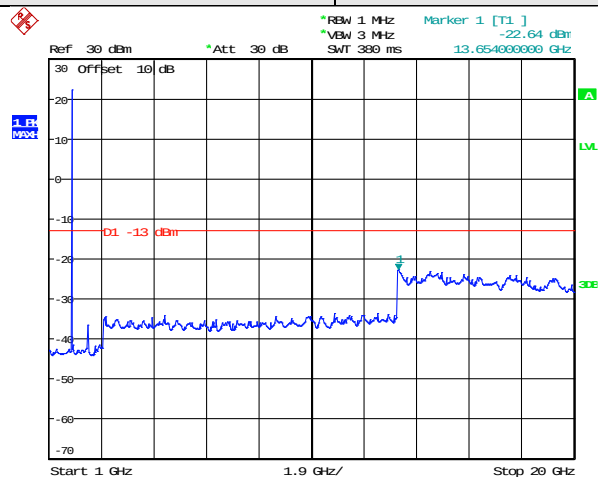
5MHz

Test Mode:	LTE band 25(5MHz 16QAM) RB Size 1 & RB Offset 24	Test Channel:	Lowest channel
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Date: 9.APR.2015 22:45:09

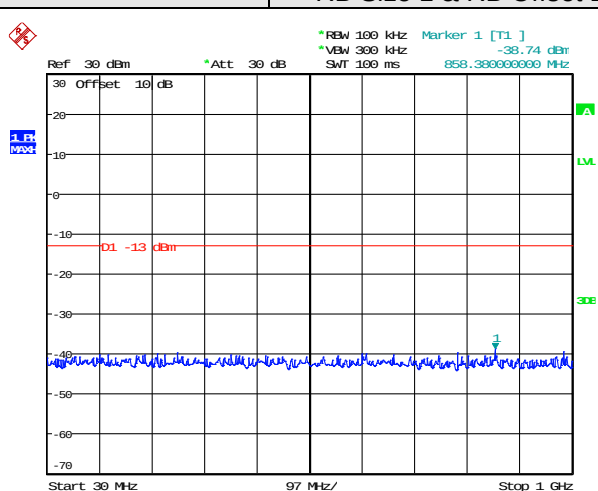
30MHz~1GHz



Date: 9.APR.2015 22:16:27

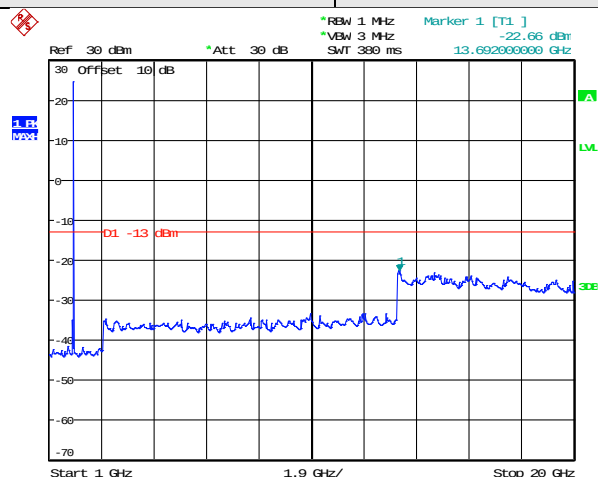
1GHz~20GHz

Test Mode:	LTE band 25(5MHz 16QAM) RB Size 1 & RB Offset 12	Test Channel:	Middle channel
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Date: 9.APR.2015 22:45:51

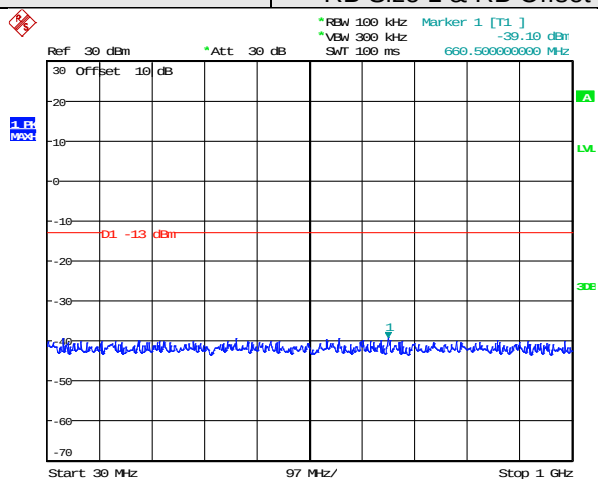
30MHz~1GHz



Date: 9.APR.2015 22:18:36

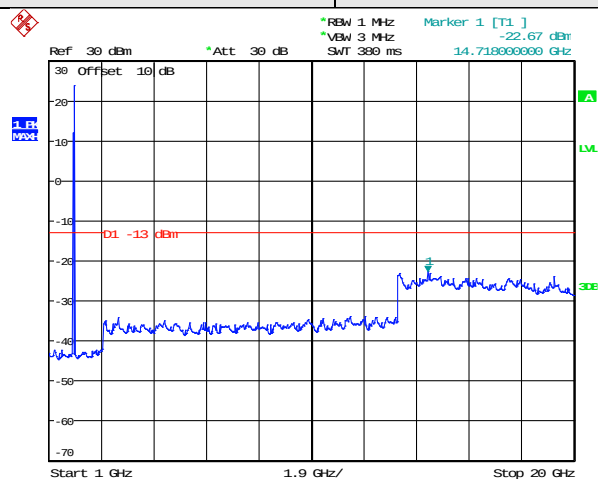
1GHz~20GHz

Test Mode:	LTE band 25(5MHz 16QAM) RB Size 1 & RB Offset 0	Test Channel:	Highest channel
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Date: 9.APR.2015 22:46:35

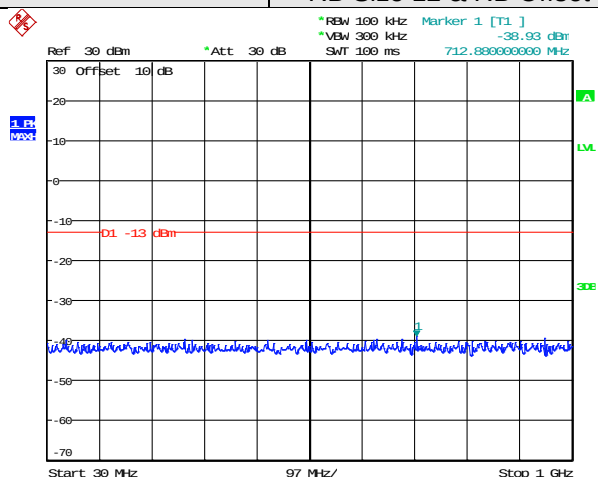
30MHz~1GHz



Date: 9.APR.2015 22:20:22

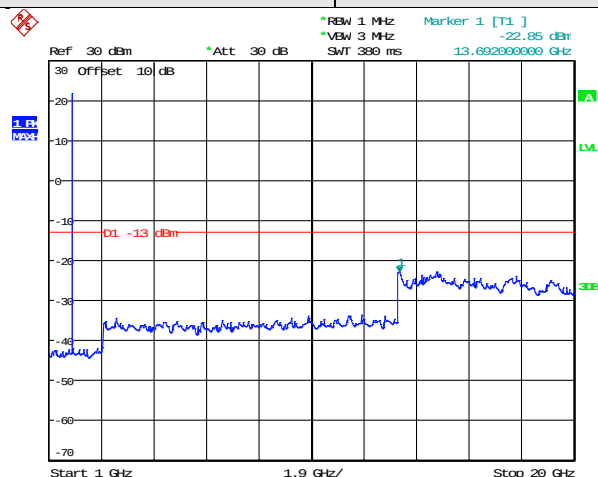
1GHz~20GHz

Test Mode:	LTE band 25(5MHz 16QAM) RB Size 12 & RB Offset 11	Test Channel:	Lowest channel
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Date: 9.APR.2015 22:45:14

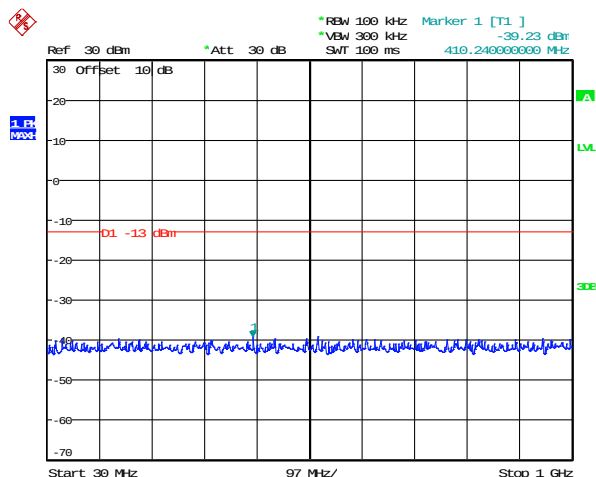
30MHz~1GHz



Date: 9.APR.2015 22:16:39

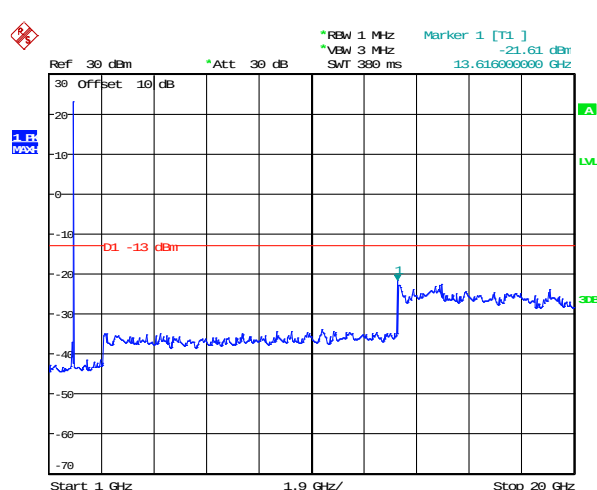
1GHz~20GHz

Test Mode:	LTE band 25(5MHz 16QAM) RB Size 12 & RB Offset 6	Test Channel:	Middle channel
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Date: 9.APR.2015 22:45:56

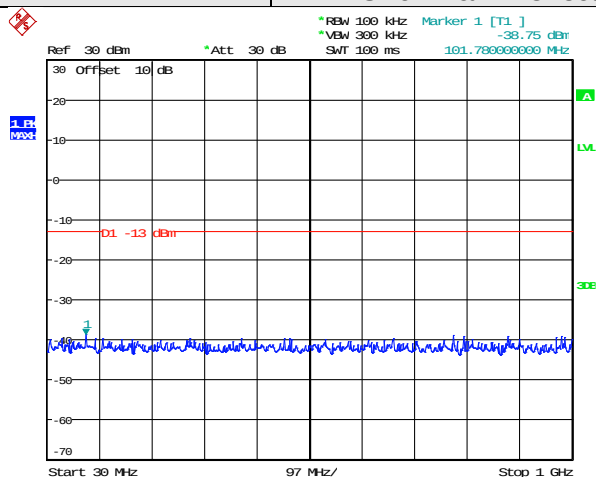
30MHz~1GHz



Date: 9.APR.2015 22:18:44

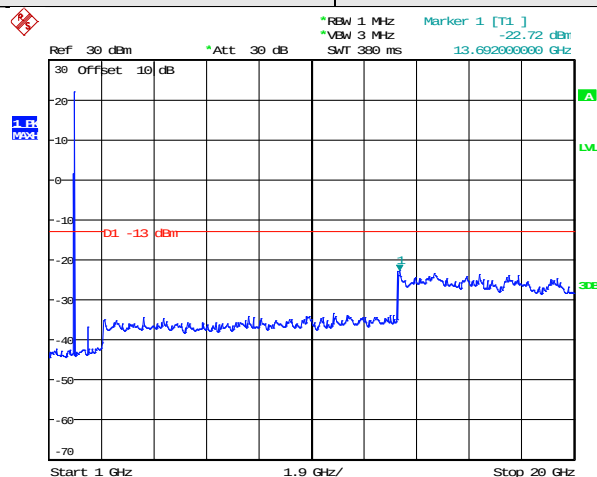
1GHz~20GHz

Test Mode:	LTE band 25(5MHz 16QAM) RB Size 12 & RB Offset 0	Test Channel:	Highest channel
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Date: 9.APR.2015 22:46:41

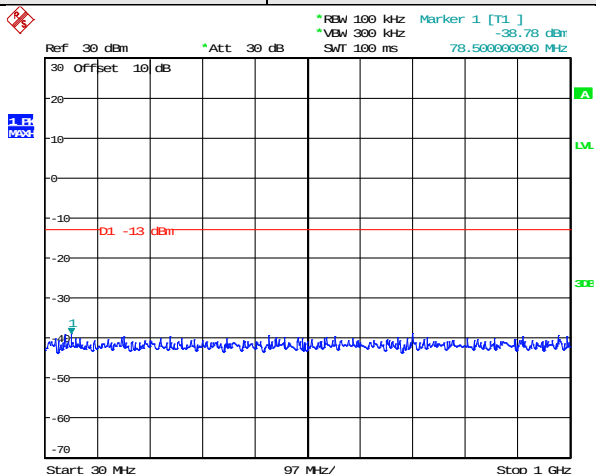
30MHz~1GHz



Date: 9.APR.2015 22:20:34

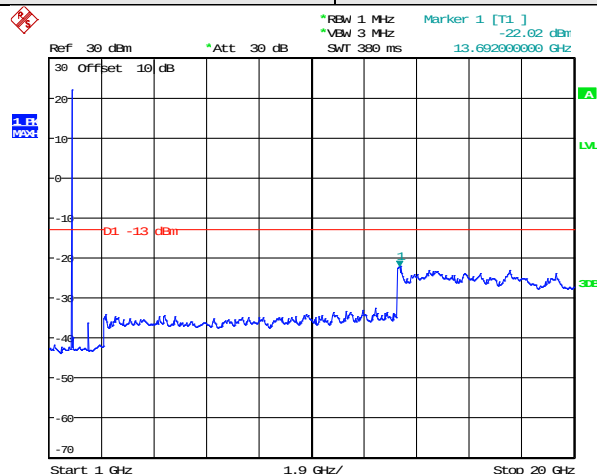
1GHz~20GHz

Test Mode:	LTE band 25(5MHz 16QAM) RB Size 25 & RB Offset 0	Test Channel:	Lowest channel
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Date: 9.APR.2015 22:45:19

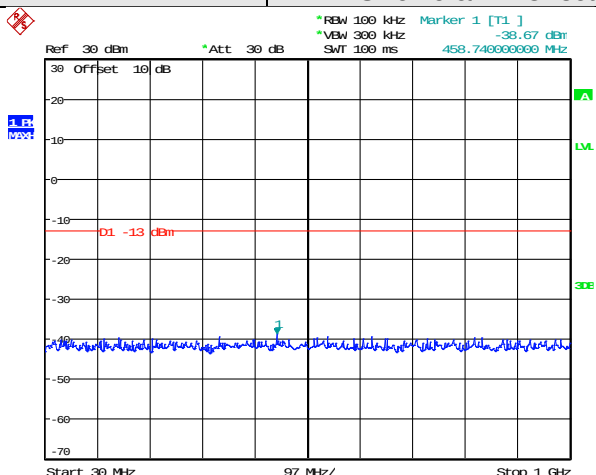
30MHz~1GHz



Date: 9.APR.2015 22:17:08

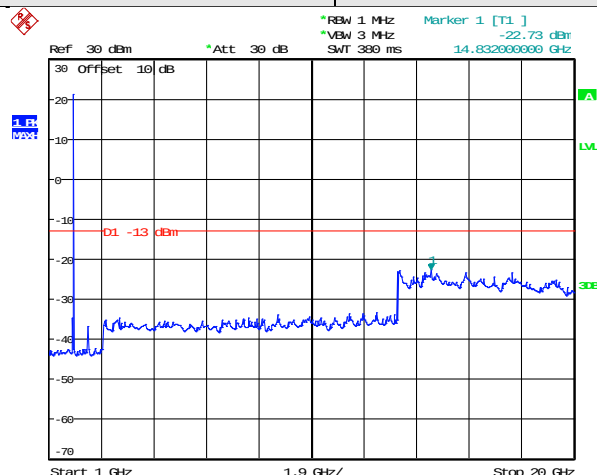
1GHz~20GHz

Test Mode:	LTE band 25(5MHz 16QAM) RB Size 25 & RB Offset 0	Test Channel:	Middle channel
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Date: 9.APR.2015 22:46:02

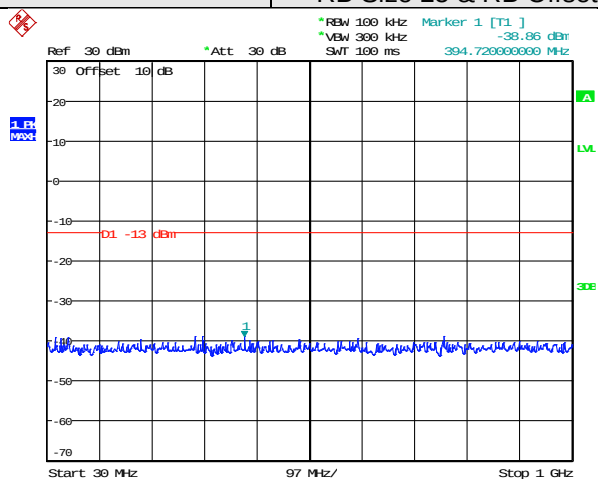
30MHz~1GHz



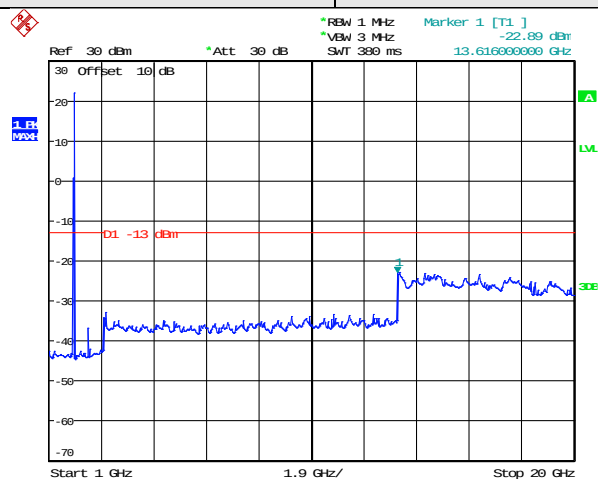
Date: 9.APR.2015 22:18:57

1GHz~20GHz

Test Mode:	LTE band 25(5MHz 16QAM) RB Size 25 & RB Offset 0	Test Channel:	Highest channel
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Date: 9.APR.2015 22:46:47

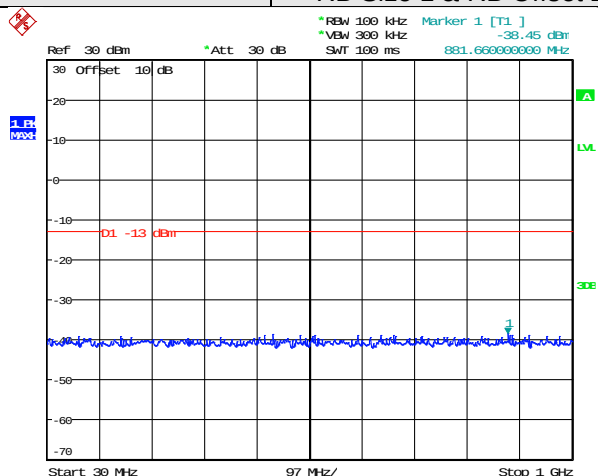


Date: 9.APR.2015 22:20:43

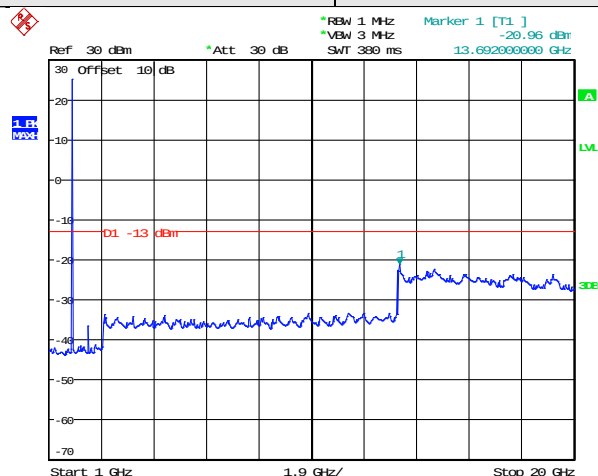
30MHz~1GHz

1GHz~20GHz

Test Mode:	LTE band 25(5MHz QPSK) RB Size 1 & RB Offset 24	Test Channel:	Lowest channel
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Date: 9.APR.2015 22:44:52

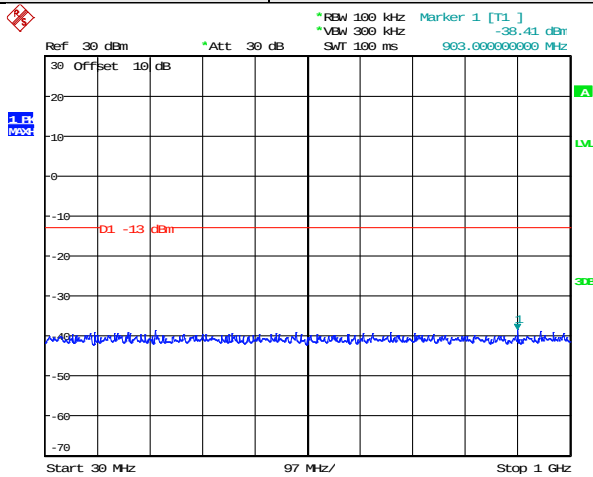


Date: 9.APR.2015 22:15:04

30MHz~1GHz

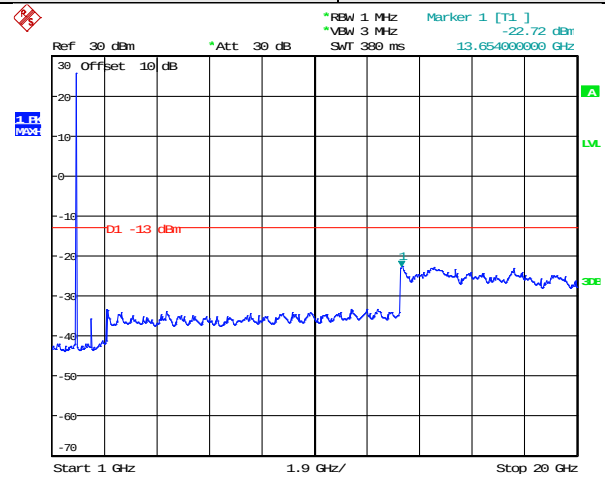
1GHz~20GHz

Test Mode:	LTE band 25(5MHz QPSK) RB Size 1 & RB Offset 0	Test Channel:	Middle channel
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Date: 9.APR.2015 22:45:33

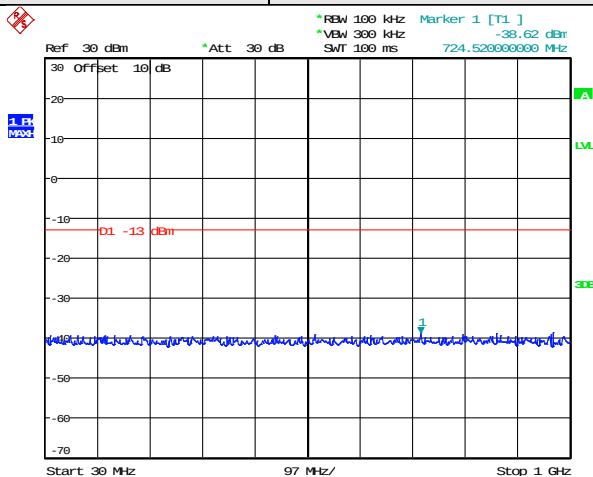
30MHz~1GHz



Date: 9.APR.2015 22:17:54

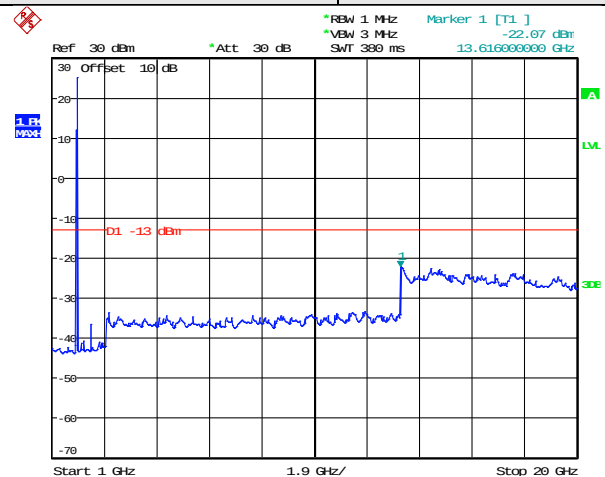
1GHz~20GHz

Test Mode:	LTE band 25(5MHz QPSK) RB Size 1 & RB Offset 0	Test Channel:	Highest channel
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Date: 9.APR.2015 22:46:18

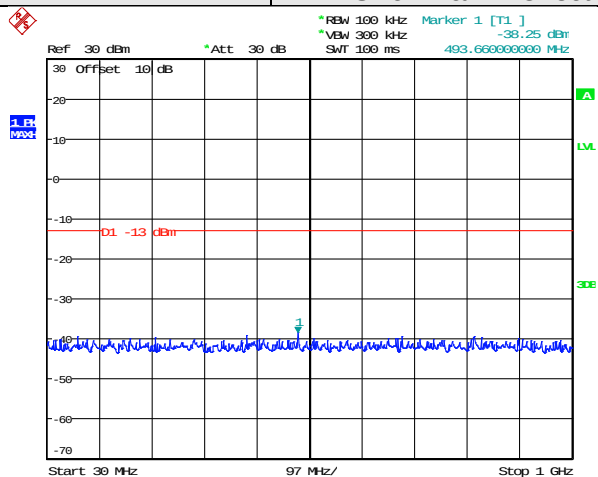
30MHz~1GHz



Date: 9.APR.2015 22:19:42

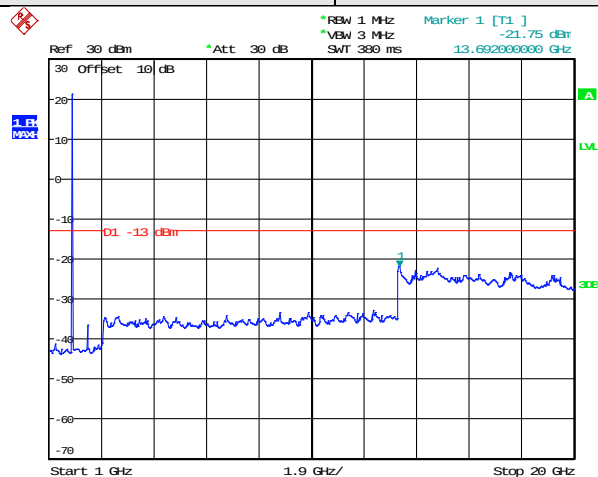
1GHz~20GHz

Test Mode:	LTE band 25(5MHz QPSK) RB Size 12 & RB Offset 11	Test Channel:	Lowest channel
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Date: 9.APR.2015 22:44:58

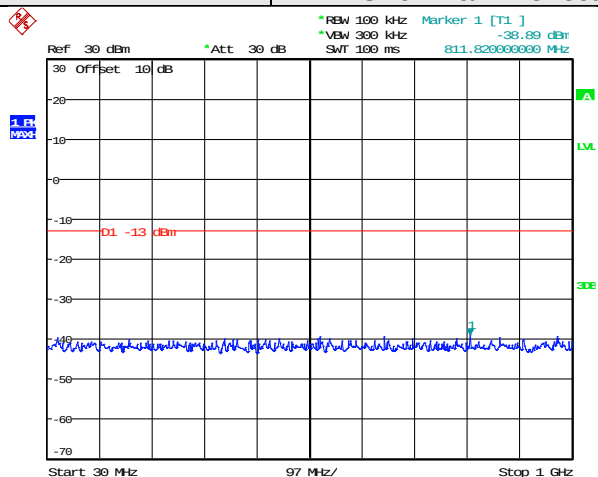
30MHz~1GHz



Date: 9.APR.2015 22:15:49

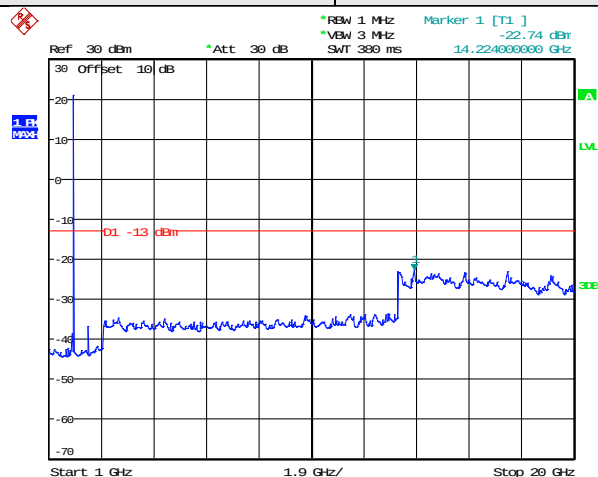
1GHz~20GHz

Test Mode:	LTE band 25(5MHz QPSK) RB Size 12 & RB Offset 0	Test Channel:	Middle channel
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Date: 9.APR.2015 22:45:40

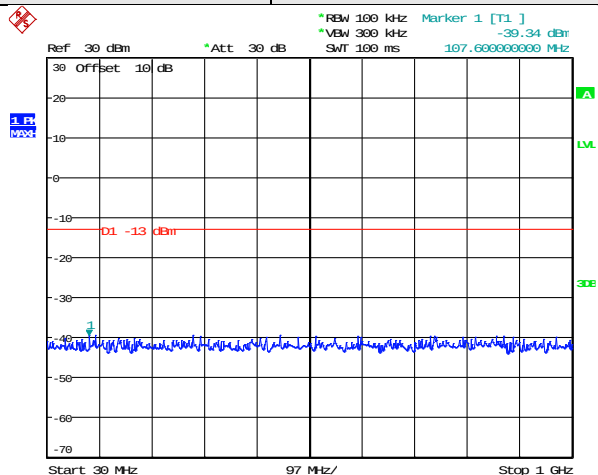
30MHz~1GHz



Date: 9.APR.2015 22:18:10

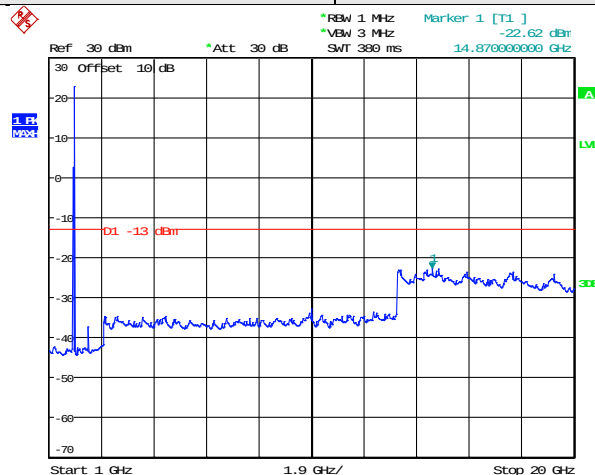
1GHz~20GHz

Test Mode:	LTE band 25(5MHz QPSK) RB Size 12 & RB Offset 0	Test Channel:	Highest channel
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Date: 9.APR.2015 22:46:24

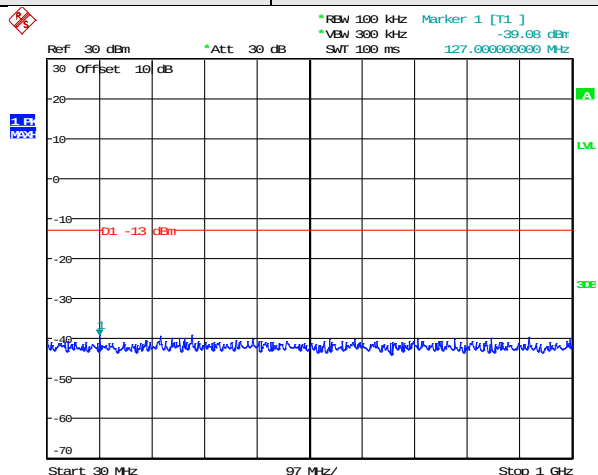
30MHz~1GHz



Date: 9.APR.2015 22:19:58

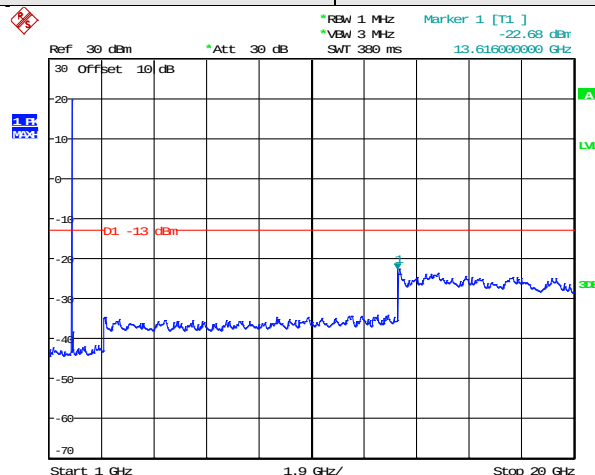
1GHz~20GHz

Test Mode:	LTE band 25(5MHz QPSK) RB Size 25 & RB Offset 0	Test Channel:	Lowest channel
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Date: 9.APR.2015 22:45:03

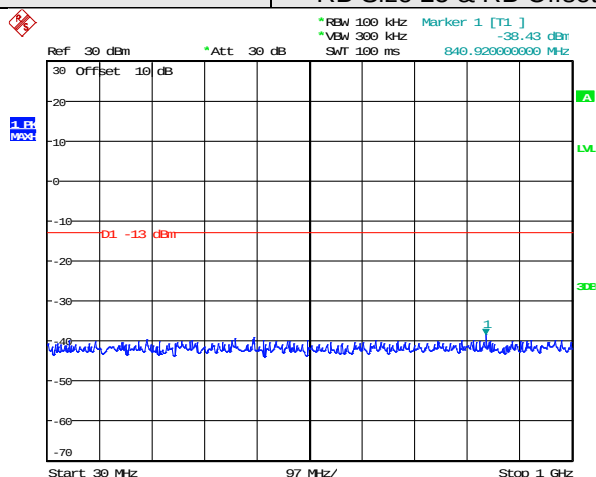
30MHz~1GHz



Date: 9.APR.2015 22:16:02

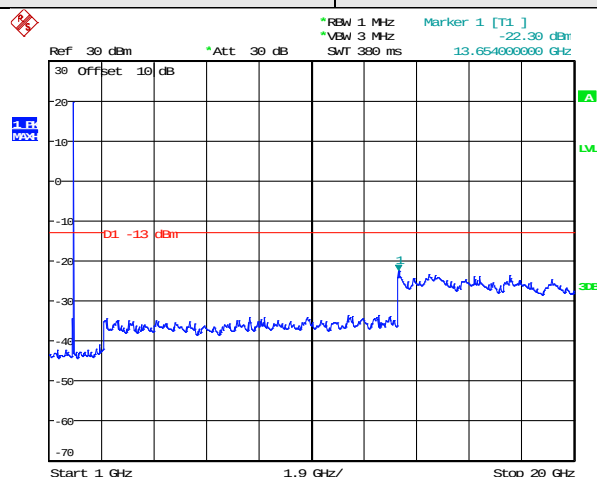
1GHz~20GHz

Test Mode:	LTE band 25(5MHz QPSK) RB Size 25 & RB Offset 0	Test Channel:	Middle channel
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Date: 9.APR.2015 22:45:46

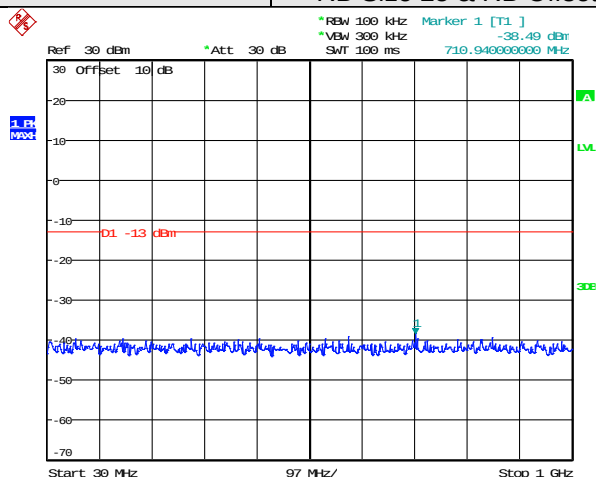
30MHz~1GHz



Date: 9.APR.2015 22:18:22

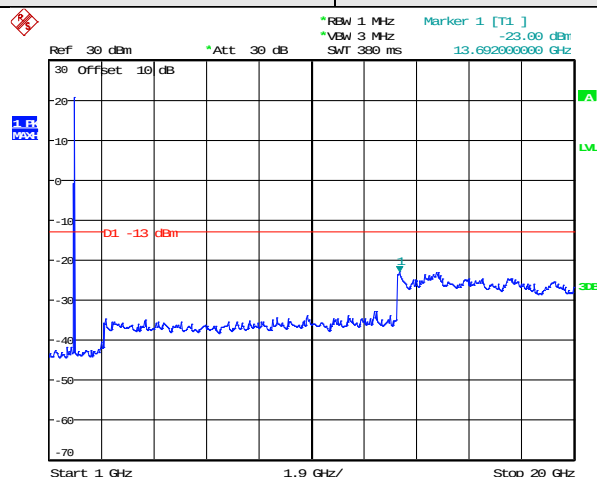
1GHz~20GHz

Test Mode:	LTE band 25(5MHz QPSK) RB Size 25 & RB Offset 0	Test Channel:	Highest channel
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Date: 9.APR.2015 22:46:30

30MHz~1GHz

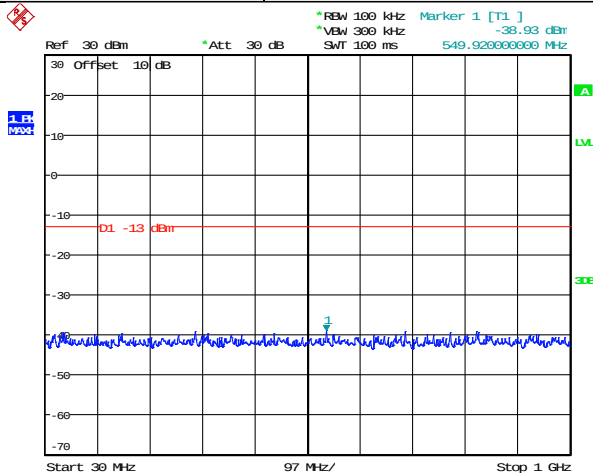


Date: 9.APR.2015 22:20:08

1GHz~20GHz

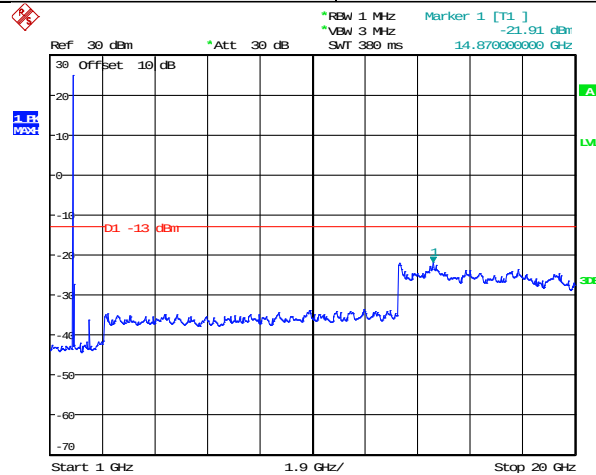
10MHz

Test Mode:	LTE band 25(10MHz 16QAM) RB Size 1 & RB Offset 49	Test Channel:	Lowest channel
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Date: 9.APR.2015 22:47:28

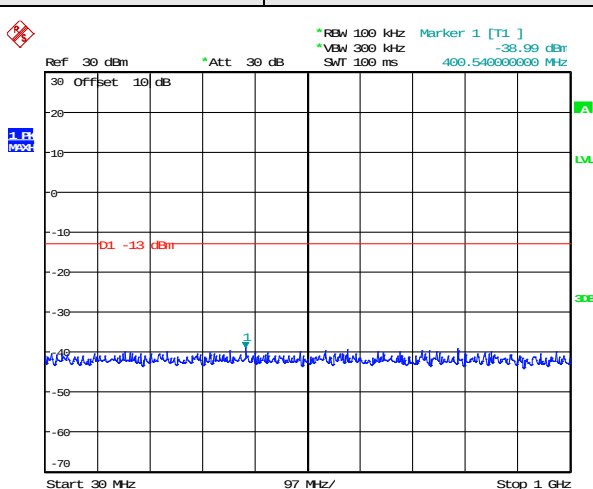
30MHz~1GHz



Date: 9.APR.2015 22:22:04

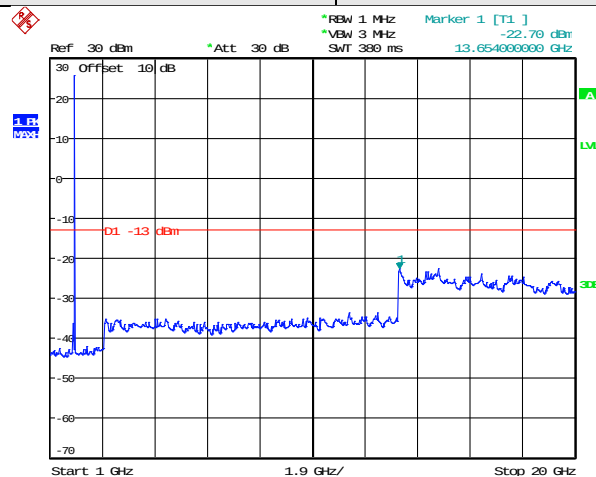
1GHz~20GHz

Test Mode:	LTE band 25(10MHz 16QAM) RB Size 1 & RB Offset 24	Test Channel:	Middle channel
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Date: 9.APR.2015 22:48:07

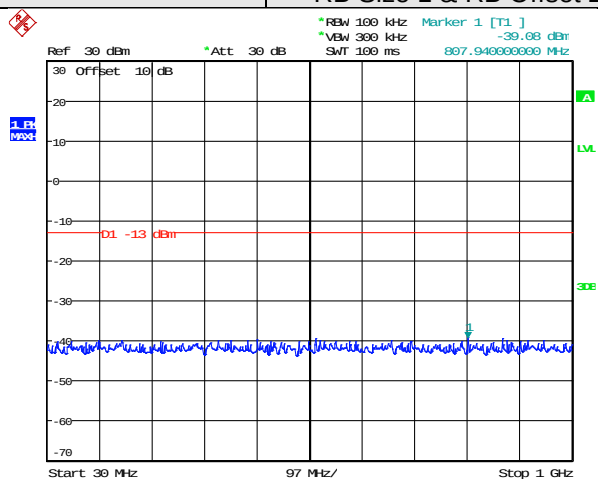
30MHz~1GHz



Date: 9.APR.2015 22:23:32

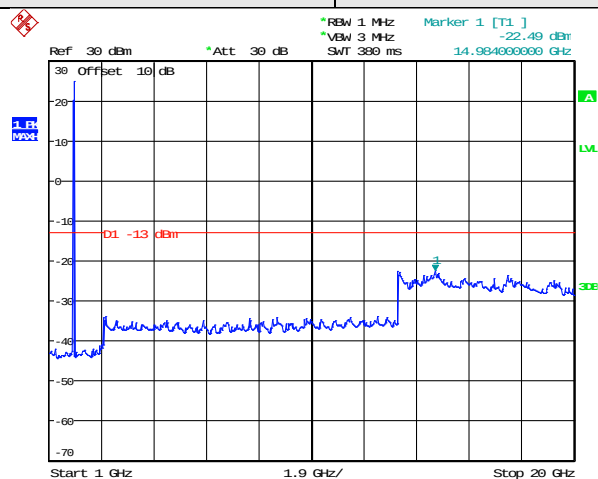
1GHz~20GHz

Test Mode:	LTE band 25(10MHz 16QAM) RB Size 1 & RB Offset 24	Test Channel:	Highest channel
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Date: 9.APR.2015 22:48:47

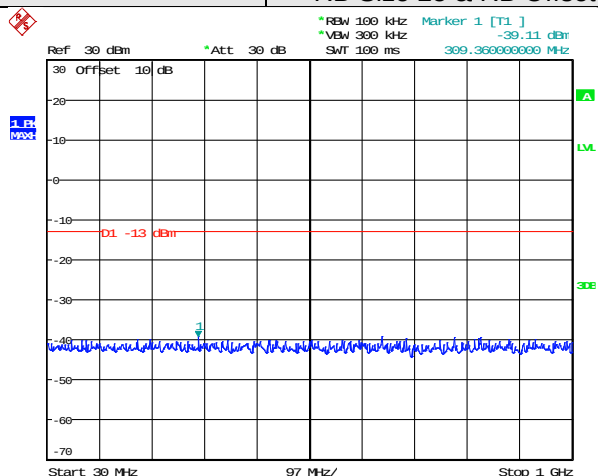
30MHz~1GHz



Date: 9.APR.2015 22:25:24

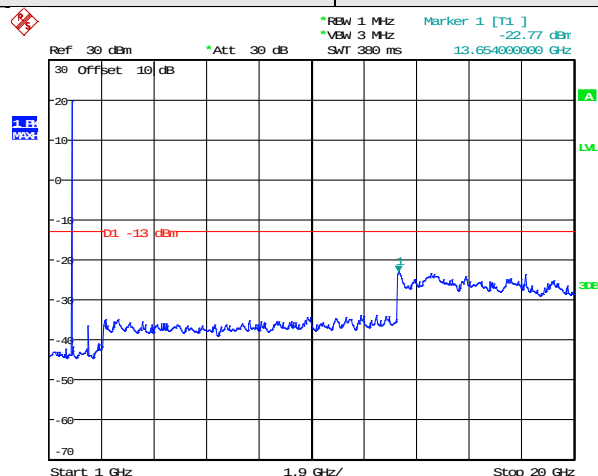
1GHz~20GHz

Test Mode:	LTE band 25(10MHz 16QAM) RB Size 25 & RB Offset 0	Test Channel:	Lowest channel
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Date: 9.APR.2015 22:47:33

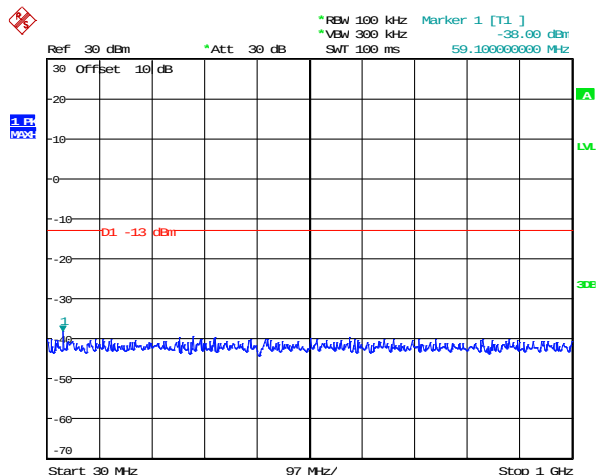
30MHz~1GHz



Date: 9.APR.2015 22:22:12

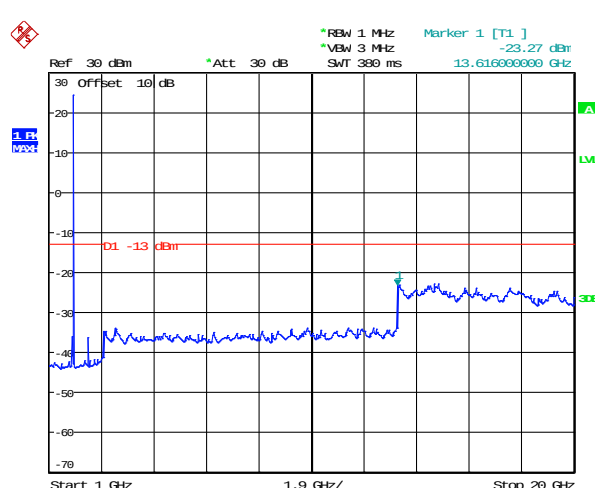
1GHz~20GHz

Test Mode:	LTE band 25(10MHz 16QAM) RB Size 25 & RB Offset 0	Test Channel:	Middle channel
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Date: 9.APR.2015 22:48:12

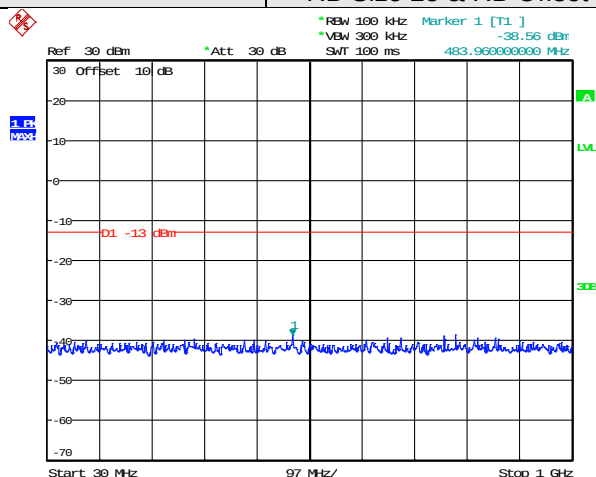
30MHz~1GHz



Date: 9.APR.2015 22:23:47

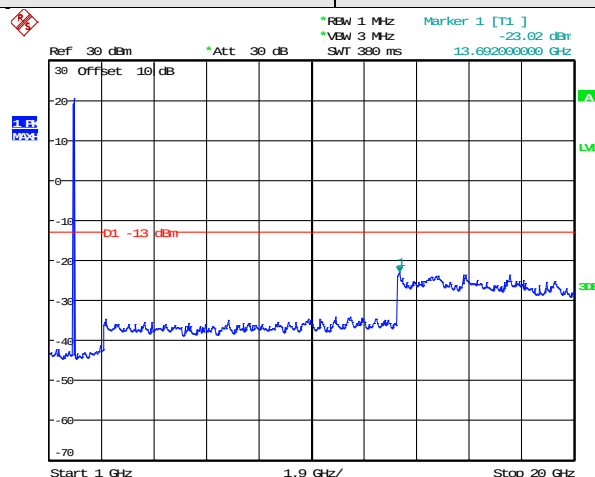
1GHz~20GHz

Test Mode:	LTE band 25(10MHz 16QAM) RB Size 25 & RB Offset 24	Test Channel:	Highest channel
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Date: 9.APR.2015 22:48:52

30MHz~1GHz



Date: 9.APR.2015 22:25:34

1GHz~20GHz