

FCC REPORT

Applicant: Nexpro International Limitada

Address of Applicant: Guadalupe, Barrio Tournon, Frente Al Hotel Villas Oficinas Del Bufete Facio Y Canas

Equipment Under Test (EUT)

Product Name: M805

Model No.: Rush, Bolt, Roar

Trade mark: sendtel

FCC ID: ZYPRUSH

FCC CFR Title 47 Part 2

Applicable standards: FCC CFR Title 47 Part 27 Subpart L
FCC CFR Title 47 Part 27 Subpart M

Date of sample receipt: 06 Aug., 2014

Date of Test: 07 Aug., to 28 Sep., 2014

Date of report issued: 28 Sep., 2014

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.

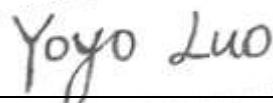
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2. Version

Version No.	Date	Description
00	28 Sep., 2014	Original

Prepared by:



Date:

28 Sep., 2014

Report Clerk

Reviewed by:



Date:

28 Sep., 2014

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 27.50 (d)(4) Part 27.50 (h)(2)	Pass
Modulation Characteristics	Part 2.1047	Pass
99% & -26 dB Occupied Bandwidth	Part 2.1049 Part 27.53(h) Part 27.53(m)	Pass
Spurious Emissions at Antenna Terminal	Part 2.1051 Part 27.53 (h) Part 27.53(m)	Pass
Field Strength of Spurious Radiation	Part 2.1053 Part 27.53 (h) Part 27.53(m)	Pass
Out of band emission, Band Edge	Part 22.917 (a) Part 27.53 (h) Part 27.53(m)	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:	Nexpro International Limitada
Address of Applicant:	Guadalupe, Barrio Tournon, Frente Al Hotel Villas Oficinas Del Bufete Facio Y Canas
Factory:	Megatron Mobile Corporation Limited
Address of Factory:	Room No. 1605, Building A, T-Share Jinniu Square (T-Share International Centre), Taoyuan Road, Nanshan District, Shenzhen, Guangdong, China 518033.

5.2 General Description of E.U.T.

Product Name:	M805
Model No.:	Rush, Bolt, Roar
Operation Frequency range:	LTE Band 4: TX: 1710MHz-1755MHz, RX: 2110MHz-2155MHz LTE Band 7: TX: 2500MHz -2570MHz, RX: 2620MHz-2690MHz
Modulation type:	QPSK, 16QAM
Antenna type:	Integral Antenna
Antenna gain:	LTE Band 4: -0.5dBi LTE Band 7: -1.5dBi
AC adapter:	Model:TPA-655100UU Input:100-240V AC,50/60Hz 0.2A Output:5.0V DC MAX1000mA
Power supply:	Rechargeable Li-ion Battery DC3.7V/1800mAh

Operation Frequency List:

LTE Band 4(1.4MHz)		LTE Band 4(3MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
19957	1710.70	19965	1711.50
19958	1710.80	19966	1711.60
....
20174	1732.40	20174	1732.40
20175	1732.50	20175	1732.50
20176	1732.60	20176	1732.60
...
20392	1754.20	20384	1753.40
20393	1754.30	20385	1753.50
LTE Band 4(5MHz)		LTE Band 4(10MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
19975	1712.50	20000	1715.00
19976	1712.60	20001	1715.10
....
20174	1732.40	20174	1732.40
20175	1732.50	20175	1732.50
20176	1732.60	20176	1732.60
...
20374	1752.40	20349	1749.90
20375	1752.50	20350	1750.00
LTE Band 4(15MHz)		LTE Band 4(20MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
20025	1717.50	20050	1720.00
20026	1717.60	20051	1720.10
....
20174	1732.40	20174	1732.40
20175	1732.50	20175	1732.50
20176	1732.60	20176	1732.60
...
20324	1747.40	20299	1744.90
20325	1747.50	20300	1745.00

LTE Band 7(5MHz)		LTE Band 7(10MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
20775	2502.50	20800	2505.00
20776	2502.60	20801	2502.10
....
21099	2534.90	21099	2534.90
21100	2535.00	21100	2535.00
21101	2535.20	21101	2535.20
...
21424	2567.40	21399	2564.90
21425	2567.50	21400	2565.00
LTE Band 7(15MHz)		LTE Band 7(20MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
20825	2507.50	20850	2510.00
20826	2507.60	20851	2510.10
....
21099	2534.90	21099	2534.90
21100	2535.00	21100	2535.00
21101	2535.20	21101	2535.20
...
21374	2562.40	21349	2559.90
21375	2562.50	21350	2560.00

Regarding 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 4(1.4MHz)			LTE Band 4(3MHz)		
	Channel:	Frequency (MHz)		Channel	Frequency (MHz)
Lowest channel	19957	1710.70	Lowest channel	19965	1711.50
Middle channel	20175	1732.50	Middle channel	20175	1732.50
Highest channel	20393	1754.30	Highest channel	20385	1753.50
LTE Band 4(5MHz)			LTE Band 4(10MHz)		
	Channel:	Frequency (MHz)		Channel:	Frequency (MHz)
Lowest channel	19975	1712.50	Lowest channel	20000	1715.00
Middle channel	20175	1732.50	Middle channel	20175	1732.50
Highest channel	20375	1752.50	Highest channel	20350	1750.00
LTE Band 4(15MHz)			LTE Band 4(20MHz)		
	Channel:	Frequency (MHz)		Channel:	Frequency (MHz)
Lowest channel	20025	1717.50	Lowest channel	20050	1720.00
Middle channel	20175	1732.50	Middle channel	20175	1732.50
Highest channel	20325	1747.50	Highest channel	20300	1745.00

LTE Band 7(5MHz)			LTE Band 7(10MHz)		
	Channel	Frequency (MHz)		Channel	Frequency (MHz)
Lowest channel	20775	2502.50	Lowest channel	20800	2505.00
Middle channel	21100	2535.00	Middle channel	21100	2535.00
Highest channel	21425	2567.50	Highest channel	21400	2565.00
LTE Band 7(15MHz)			LTE Band 7(20MHz)		
	Channel	Frequency (MHz)		Channel	Frequency (MHz)
Lowest channel	20825	2507.50	Lowest channel	20850	2510.00
Middle channel	21100	2535.00	Middle channel	21100	2535.00
Highest channel	21375	2562.50	Highest channel	21350	2560.00

5.3 Test modes

Data mode (LTE band 4(QPSK))	Keep the EUT in data communicating mode on LTE band 4(QPSK). (LTE band 4(1.4MHz), LTE band 4(3MHz), LTE band 4(5MHz), LTE band 4(10MHz), LTE band 4(15MHz), LTE band 4(20MHz))
Data mode (LTE band 4(16QAM))	Keep the EUT in data communicating mode on LTE band 4(16QAM). (LTE band 4(1.4MHz), LTE band 4(3MHz), LTE band 4(5MHz), LTE band 4(10MHz), LTE band 4(15MHz), LTE band 4(20MHz))
Data mode (LTE band 7(QPSK))	Keep the EUT in data communicating mode on LTE band 7(QPSK). (LTE band 7(5MHz), LTE band 7(10MHz), LTE band 7(15MHz), LTE band 7(20MHz))
Data mode (LTE band 7(16QAM))	Keep the EUT in data communicating mode on LTE band 7(16QAM). (LTE band 7(5MHz), LTE band 7(10MHz), LTE band 7(15MHz), LTE band 7(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 27 subpart L 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 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 out 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	Aug 23 2014	Aug 22 2017
2	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	CCIS0005	Apr 19 2014	Apr 19 2015
3	Double - ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	CCIS0006	Apr 19 2014	Apr 19 2015
4	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
5	Amplifier (10kHz-1.3GHz)	HP	8447D	CCIS0003	Apr. 01 2014	Mar. 31 2015
6	Amplifier (1GHz-18GHz)	Compliance Direction Systems Inc.	PAP-1G18	CCIS0011	June 09 2014	June 08 2015
7	Pre-amplifier (18-26.5GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	Apr. 01 2014	Mar. 31 2015
8	Horn Antenna	ETS-LINDGREN	3160	GTS217	Mar. 30 2014	Mar. 29 2015
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	Apr 19 2014	Apr 19 2015
12	EMI Test Receiver	Rohde & Schwarz	ESCI	CCIS0002	Apr 01 2014	Mar. 31 2015
13	Loop antenna	Laplace instrument	RF300	EMC0701	Apr 01 2014	Mar. 31 2015
14	Wideband Radio Communication Tester	Rhode & Schwarz	CMW500	140330	May. 29 2014	May. 28 2015
15	Signal Analyzer	Rohde & Schwarz	FSIQ3	CCIS0088	Apr 19 2014	Apr 19 2015

6. System test configuration

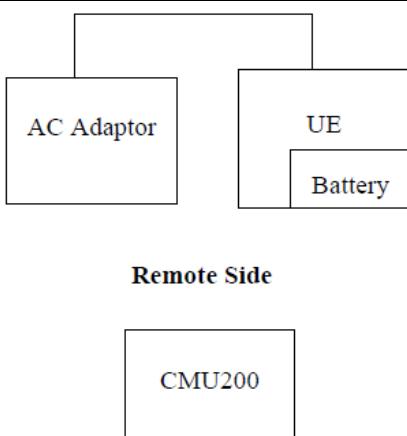
6.1 EUT Configuration

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 4 and LTE Band 7) with power adaptor, earphone and Data cable. The worst-case H mode for LTE Band 4 and LTE Band 7.

6.5 Conducted Output Power

Test Requirement:	FCC part 27.50(d) and FCC part 27.50(h)	
Test Method:	FCC part 2.1046	
Limit:	LTE Band 4: 1W LTE Band 7: 2W	
Test setup:	 <p>The diagram illustrates the measurement setup. A box labeled "EUT" (Equipment Under Test) is connected via a horizontal line to a box labeled "ATT" (Attenuator). From the "ATT" box, another horizontal line leads to a larger box labeled "Communication Tester".</p>	
<p><i>Note: Measurement setup for testing on Antenna connector</i></p>		
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 4 part

Frequency (MHz)	Channel No.	Modulation	BW (MHz)	RB Size	RB Offset	Ave. Power (dBm)	
1710.70	19957	QPSK	1.4	1	0	23.78	
				1	2	23.84	
				1	5	23.80	
				3	0	23.89	
				3	1	23.91	
				3	2	23.91	
				6	0	23.85	
		16QAM		1	0	23.61	
				1	2	23.74	
				1	5	23.73	
				3	0	23.81	
				3	1	23.79	
				3	2	23.83	
				6	0	23.77	
1732.50	20175	QPSK	1.4	1	0	24.12	
				1	2	24.09	
				1	5	24.19	
				3	0	24.19	
				3	1	24.02	
				3	2	24.00	
				6	0	24.00	
		16QAM		1	0	23.97	
				1	2	23.69	
				1	5	23.64	
				3	0	23.76	
				3	1	23.51	
				3	2	23.63	
				6	0	23.72	
1754.30	20393	QPSK	1.4	1	0	22.92	
				1	2	22.40	
				1	5	22.16	
				3	0	22.52	
				3	1	22.22	
				3	2	22.11	
				6	0	22.91	
		16QAM		1	0	22.85	
				1	2	22.22	
				1	5	22.06	
				3	0	22.46	
				3	1	22.16	
				3	2	22.06	
				6	0	22.83	

Frequency (MHz)	Channel No.	Modulation	BW (MHz)	RB Size	RB Offset	Ave. Power (dBm)	
1711.50	19965	QPSK	3.0	1	0	23.81	
				1	7	24.00	
				1	14	23.88	
				8	0	24.03	
				8	4	24.10	
				8	7	24.07	
				15	0	23.97	
		16QAM		1	0	23.74	
				1	7	23.93	
				1	14	23.67	
				8	0	23.94	
				8	4	24.01	
				8	7	23.72	
				15	0	23.86	
				1	0	24.17	
1732.50	20175	QPSK	3.0	1	7	24.09	
				1	14	23.93	
				8	0	24.24	
				8	4	24.09	
				8	7	24.07	
				15	0	24.14	
				1	0	24.16	
		16QAM		1	7	23.93	
				1	14	23.75	
				8	0	24.10	
				8	4	23.98	
				8	7	23.89	
				15	0	23.94	
				1	0	22.29	
				1	7	21.44	
1753.50	20385	QPSK	3.0	1	14	21.81	
				8	0	21.93	
				8	4	21.64	
				8	7	21.58	
				15	0	21.77	
				1	0	22.16	
				1	7	21.32	
		16QAM		1	14	21.64	
				8	0	21.72	
				8	4	21.53	
				8	7	21.42	
				15	0	21.66	

Frequency (MHz)	Channel No.	Modulation	BW (MHz)	RB Size	RB Offset	Ave. Power (dBm)	
1712.50	19975	QPSK	5.0	1	0	23.91	
				1	12	23.92	
				1	24	24.01	
				12	0	24.09	
				12	6	24.08	
				12	11	24.10	
				25	0	24.05	
		16QAM		1	0	23.86	
				1	12	23.88	
				1	24	23.93	
				12	0	23.98	
				12	6	23.99	
				12	11	24.03	
				25	0	24.01	
				1	0	24.25	
1732.50	20175	QPSK	5.0	1	12	23.91	
				1	24	23.93	
				12	0	24.31	
				12	6	24.02	
				12	11	23.86	
				25	0	24.04	
		16QAM		1	0	24.24	
				1	12	23.86	
				1	24	23.86	
				12	0	24.06	
				12	6	23.82	
				12	11	23.64	
				25	0	23.82	
				1	0	22.22	
1752.50	20375	QPSK	5.0	1	12	21.53	
				1	24	21.33	
				12	0	22.02	
				12	6	21.64	
				12	11	21.54	
				25	0	21.78	
		16QAM		1	0	22.03	
				1	12	21.41	
				1	24	21.18	
				12	0	21.86	
				12	6	21.53	
				12	11	21.61	
				25	0	21.64	

Frequency (MHz)	Channel No.	Modulation	BW (MHz)	RB Size	RB Offset	Ave. Power (dBm)	
1715.00	20000	QPSK	10.0	1	0	22.85	
				1	24	23.89	
				1	49	23.44	
				25	0	23.65	
				25	12	23.95	
				25	24	23.98	
				50	0	24.03	
		16QAM		1	0	22.81	
				1	24	23.84	
				1	49	23.37	
				25	0	23.61	
				25	12	23.89	
				25	24	23.91	
				50	0	23.96	
				1	0	24.25	
1732.50	20175	QPSK	10.0	1	24	24.27	
				1	49	23.35	
				25	0	24.43	
				25	12	24.38	
				25	24	23.94	
				50	0	24.26	
				1	0	24.19	
		16QAM		1	24	24.14	
				1	49	23.33	
				25	0	24.19	
				25	12	24.00	
				25	24	23.55	
				50	0	23.93	
				1	0	22.22	
				1	24	21.53	
1750.00	20350	QPSK	10.0	1	49	21.33	
				25	0	22.02	
				25	12	21.64	
				25	24	21.54	
				50	0	21.78	
				1	0	22.06	
				1	24	21.46	
		16QAM		1	49	21.18	
				25	0	21.86	
				25	12	21.53	
				25	24	21.43	
				50	0	21.63	

Frequency (MHz)	Channel No.	Modulation	BW (MHz)	RB Size	RB Offset	Average (dBm)	
1717.50	20025	QPSK	15.0	1	0	22.64	
				1	37	23.78	
				1	74	23.89	
				36	0	23.42	
				36	16	24.00	
				36	35	23.98	
				75	0	24.03	
		16QAM		1	0	22.57	
				1	37	23.69	
				1	74	23.84	
				36	0	23.41	
				36	16	23.95	
				36	35	23.95	
				75	0	23.01	
1732.50	20175	QPSK	15.0	1	0	24.13	
				1	37	24.27	
				1	74	24.22	
				36	0	24.16	
				36	16	24.17	
				36	35	24.26	
				75	0	24.06	
		16QAM		1	0	24.07	
				1	37	24.25	
				1	74	23.29	
				36	0	24.12	
				36	16	24.13	
				36	35	23.89	
				75	0	23.82	
1747.50	20325	QPSK	15.0	1	0	22.85	
				1	37	21.56	
				1	74	22.00	
				36	0	22.34	
				36	16	21.77	
				36	35	21.63	
				75	0	21.99	
		16QAM		1	0	22.76	
				1	37	21.42	
				1	74	21.73	
				36	0	22.03	
				36	16	21.66	
				36	35	21.56	
				75	0	21.76	

Frequency (MHz)	Channel No.	Modulation	BW (MHz)	RB Size	RB Offset	Ave. Power (dBm)	
1720.00	20050	QPSK	20.0	1	0	22.62	
				1	49	23.80	
				1	99	23.98	
				50	0	23.31	
				50	24	23.88	
				50	49	24.08	
				100	0	24.03	
		16QAM		1	0	22.51	
				1	49	23.75	
				1	99	23.86	
				50	0	23.16	
				50	24	23.74	
				50	49	23.95	
				100	0	23.92	
				1	0	24.33	
1732.50	20175	QPSK	20.0	1	49	24.21	
				1	99	22.83	
				50	0	24.44	
				50	24	24.40	
				50	49	23.65	
				100	0	24.28	
				1	0	24.16	
		16QAM		1	49	23.76	
				1	99	22.73	
				50	0	24.26	
				50	24	24.11	
				50	49	23.48	
				100	0	24.25	
				1	0	22.60	
				1	49	21.61	
1745.00	20300	QPSK	20.0	1	99	22.71	
				50	0	22.61	
				50	24	21.88	
				50	49	21.82	
				100	0	22.38	
				1	0	22.46	
				1	49	21.53	
		16QAM		1	99	22.64	
				50	0	22.56	
				50	24	21.67	
				50	49	21.74	
				100	0	22.31	

LTE Band 7 part:

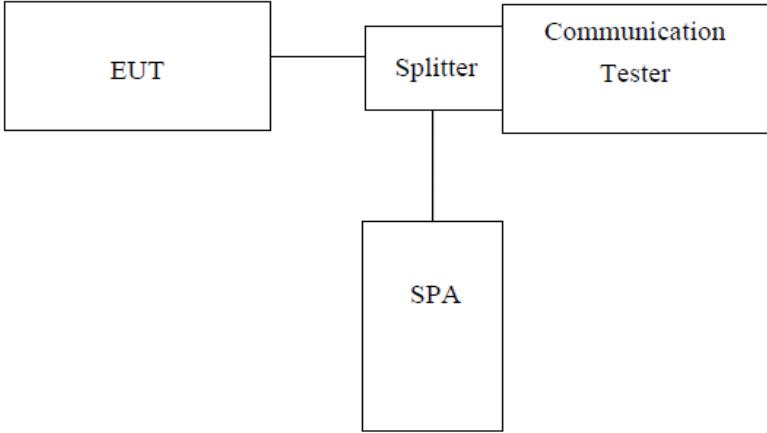
Frequency (MHz)	Channel No.	Modulation	BW (MHz)	RB Size	RB Offset	Ave. Power (dBm)	
2502.50	20775	QPSK	5.0	1	0	23.28	
				1	12	22.87	
				1	24	22.72	
				12	0	22.62	
				12	6	22.43	
				12	11	22.34	
				25	0	22.44	
		16QAM		1	0	23.06	
				1	12	22.64	
				1	24	22.58	
				12	0	22.53	
				12	6	22.41	
				12	11	22.30	
				25	0	22.28	
				1	0	22.21	
2535.00	21100	QPSK	5.0	1	12	22.12	
				1	24	22.81	
				12	0	21.38	
				12	6	21.52	
				12	11	21.76	
				25	0	21.59	
		16QAM		1	0	21.25	
				1	12	21.28	
				1	24	22.17	
				12	0	20.96	
				12	6	21.64	
				12	11	21.74	
				25	0	20.71	
				1	0	23.02	
2567.50	21425	QPSK	5.0	1	12	22.70	
				1	24	22.66	
				12	0	22.46	
				12	6	22.30	
				12	11	22.28	
				25	0	22.37	
		16QAM		1	0	22.74	
				1	12	22.52	
				1	24	22.43	
				12	0	22.38	
				12	6	22.19	
				12	11	22.11	
				25	0	22.24	

Frequency (MHz)	Channel No.	Modulation	BW (MHz)	RB Size	RB Offset	Ave. Power (dBm)	
2505.00	20800	QPSK	10.0	1	0	23.15	
				1	24	22.89	
				1	49	22.17	
				25	0	22.62	
				25	12	22.38	
				25	24	22.17	
				50	0	22.38	
		16QAM		1	0	23.06	
				1	24	22.76	
				1	49	22.04	
				25	0	22.15	
				25	12	22.18	
				25	24	22.06	
				50	0	22.31	
				1	0	21.77	
2535.00	21100	QPSK	10.0	1	24	22.49	
				1	49	23.02	
				25	0	22.43	
				25	12	23.31	
				25	24	23.39	
				50	0	22.74	
				1	0	21.71	
		16QAM		1	24	22.03	
				1	49	22.78	
				25	0	21.75	
				25	12	21.10	
				25	24	21.58	
				50	0	21.15	
				1	0	22.99	
				1	24	22.38	
2565.00	21400	QPSK	10.0	1	49	22.18	
				25	0	22.37	
				25	12	22.11	
				25	24	21.95	
				50	0	22.16	
				1	0	22.77	
				1	24	22.16	
		16QAM		1	49	22.08	
				25	0	22.18	
				25	12	22.04	
				25	24	21.86	
				50	0	22.01	

Frequency (MHz)	Channel No.	Modulation	BW (MHz)	RB Size	RB Offset	Ave. Power (dBm)	
2507.50	20825	QPSK	15.0	1	0	23.66	
				1	37	22.92	
				1	74	22.31	
				36	0	22.88	
				36	16	22.47	
				36	35	22.11	
				75	0	22.57	
		16QAM		1	0	23.51	
				1	37	22.79	
				1	74	22.16	
				36	0	22.73	
				36	16	22.13	
				36	35	22.03	
				75	0	22.44	
2535.00	21100	QPSK	15.0	1	0	21.38	
				1	37	21.98	
				1	74	23.34	
				36	0	20.94	
				36	16	21.46	
				36	35	22.21	
				75	0	21.63	
		16QAM		1	0	20.66	
				1	37	21.30	
				1	74	22.79	
				36	0	21.85	
				36	16	21.46	
				36	35	21.22	
				75	0	20.56	
2562.50	21375	QPSK	15.0	1	0	23.29	
				1	37	22.46	
				1	74	22.41	
				36	0	22.64	
				36	16	22.23	
				36	35	21.98	
				75	0	22.38	
		16QAM		1	0	23.18	
				1	37	22.37	
				1	74	22.33	
				36	0	22.51	
				36	16	22.06	
				36	35	21.88	
				75	0	22.14	

Frequency (MHz)	UL Channel	Modulation	BW (MHz)	RB Size	RB Offset	Ave. Power (dBm)	
2510.00	20850	QPSK	20.0	1	0	24.06	
				1	49	23.08	
				1	99	22.30	
				50	0	23.19	
				50	24	22.66	
				50	49	22.16	
				100	0	23.07	
		16QAM		1	0	23.81	
				1	49	22.94	
				1	99	22.13	
				50	0	23.04	
				50	24	22.23	
				50	49	22.08	
				100	0	22.94	
				1	0	21.17	
2535.00	21100	QPSK	20.0	1	49	21.81	
				1	99	23.40	
				50	0	20.72	
				50	24	21.29	
				50	49	22.19	
				100	0	21.48	
		16QAM		1	0	20.70	
				1	49	21.35	
				1	99	22.75	
				50	0	20.56	
				50	24	21.10	
				50	49	22.09	
				100	0	21.21	
				1	0	24.01	
2560.00	21350	QPSK	20.0	1	49	22.76	
				1	99	22.52	
				50	0	22.94	
				50	24	22.77	
				50	49	22.50	
				100	0	23.10	
		16QAM		1	0	23.84	
				1	49	22.77	
				1	99	22.46	
				50	0	22.76	
				50	24	22.68	
				50	49	22.50	
				100	0	22.89	

6.6 Occupy Bandwidth

Test Requirement:	FCC part 27.53(h) and FCC part 27.53(m)
Test Method:	FCC part 2.1049
Test setup:	 <p><i>Note: Measurement setup for testing on Antenna connector</i></p>
Test Procedure:	
<ol style="list-style-type: none"> 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 4 part:

EUT Mode	Channel	Frequency (MHz)	Modulation	99% OBW (kHz)	-26dBc EBW (kHz)
1.4MHz	19957	1710.7	16QAM	1092	1272
			QPSK	1104	1284
	20175	1732.5	16QAM	1122	1464
			QPSK	1110	1362
	20393	1754.3	16QAM	1092	1272
			QPSK	1098	1260
3MHz	19965	1711.5	16QAM	2740	3050
			QPSK	2740	3060
	20175	1732.5	16QAM	2770	3220
			QPSK	2780	3390
	20385	1750.5	16QAM	2740	3050
			QPSK	2750	3050
5MHz	19975	1712.5	16QAM	4540	5060
			QPSK	4540	5040
	20175	1732.5	16QAM	4580	5220
			QPSK	4580	5140
	20375	1752.5	16QAM	4540	5080
			QPSK	4540	5080
10MHz	20000	1715.0	16QAM	9120	10280
			QPSK	9120	10320
	20175	1732.5	16QAM	9200	11800
			QPSK	9200	10520
	20350	1750.0	16QAM	9120	10200
			QPSK	9160	10240
15MHz	20025	1717.5	16QAM	13500	14820
			QPSK	13500	14940
	20175	1732.5	16QAM	13740	18180
			QPSK	13680	18900
	20325	1747.5	16QAM	13560	15060
			QPSK	13560	15060
20MHz	20050	1720.0	16QAM	17840	19120
			QPSK	17840	19280
	20175	1732.5	16QAM	18400	21600
			QPSK	18240	22880
	20300	1745.0	16QAM	18080	19680
			QPSK	18080	19600

LTE Band 7 part:

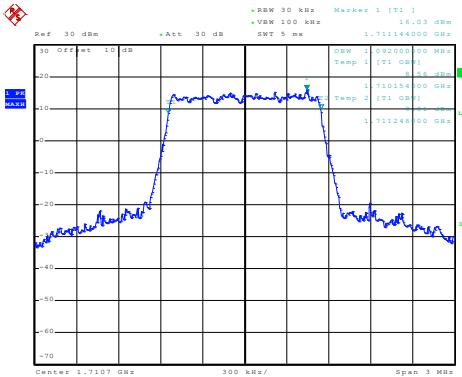
EUT Mode	Channel	Frequency (MHz)	Modulation	99% OBW (kHz)	-26dB EBW (kHz)
5MHz	20775	2502.5	16QAM	4520	5080
			QPSK	4540	5080
	21100	2535.0	16QAM	4520	5080
			QPSK	4520	5000
	21425	2567.5	16QAM	4540	5040
			QPSK	4540	5060
10MHz	20800	2505.0	16QAM	9120	10280
			QPSK	9120	10360
	21100	2535.0	16QAM	9080	10240
			QPSK	9120	10320
	21400	2565.0	16QAM	9120	10200
			QPSK	9120	10280
15MHz	20825	2507.5	16QAM	13560	15120
			QPSK	13560	15000
	21100	2535.0	16QAM	13560	14880
			QPSK	13500	14940
	21375	2562.5	16QAM	13620	15000
			QPSK	13560	15120
20MHz	20850	2510.0	16QAM	18080	19600
			QPSK	18000	19600
	21100	2535.0	16QAM	17920	19600
			QPSK	18000	19440
	21350	2560.0	16QAM	18000	19680
			QPSK	18080	19760

Test plot as follows:

LTE Band 4 part

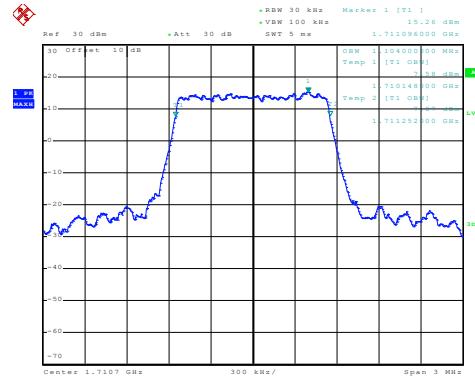
Test Item:	99% Occupy bandwidth	BW:	1.4MHz
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Modulation: 16QAM



Date: 10.SEP.2014 14:29:08

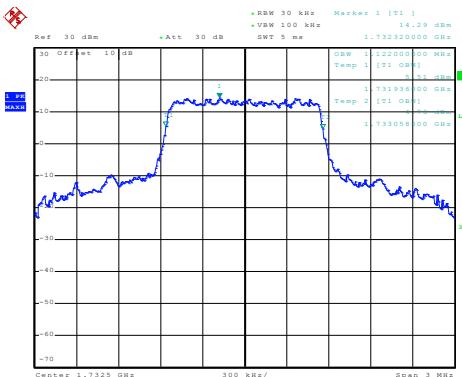
Modulation: QPSK



Date: 10.SEP.2014 14:21:07

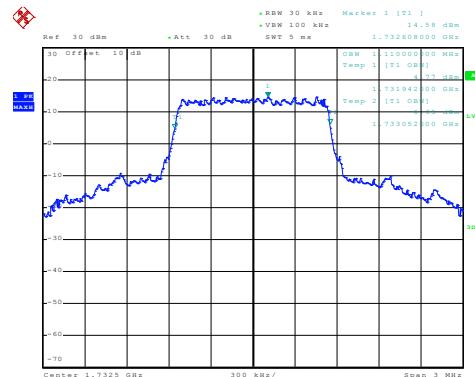
Lowest channel

Modulation: 16QAM



Date: 10.SEP.2014 14:29:44

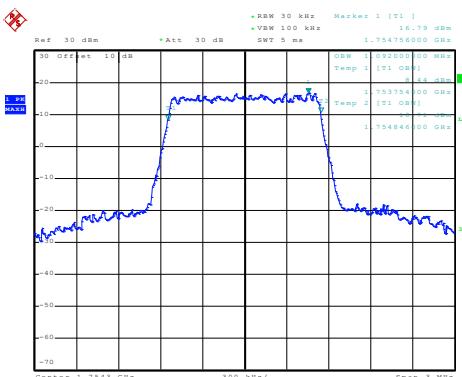
Modulation: QPSK



Date: 10.SEP.2014 14:23:22

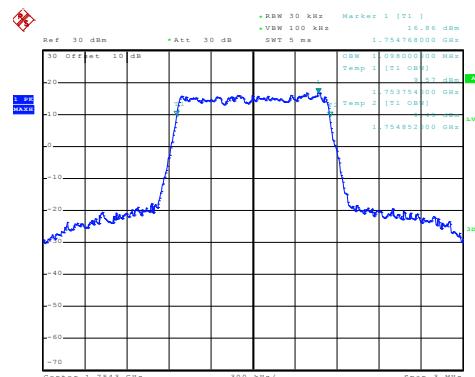
Middle channel

Modulation: 16QAM



Date: 10.SEP.2014 14:31:09

Modulation: QPSK

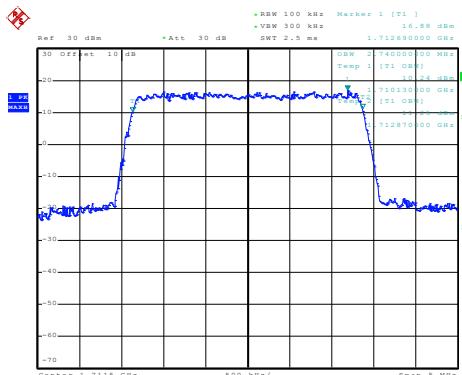


Date: 10.SEP.2014 14:24:21

Highest channel

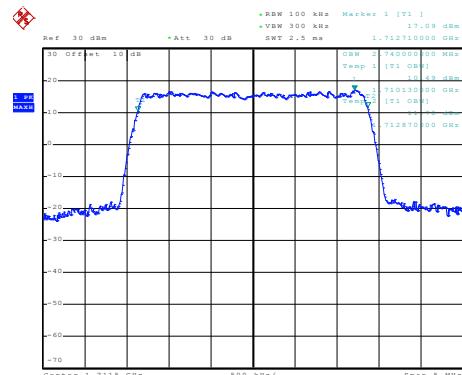
Test Item:	99% Occupy bandwidth	BW:	3MHz
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Modulation: 16QAM



Date: 10.SEP.2014 14:36:24

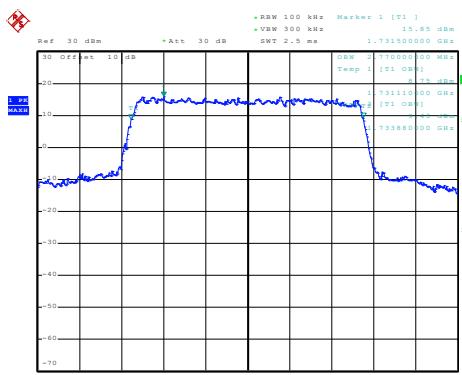
Modulation: QPSK



Date: 10.SEP.2014 14:35:02

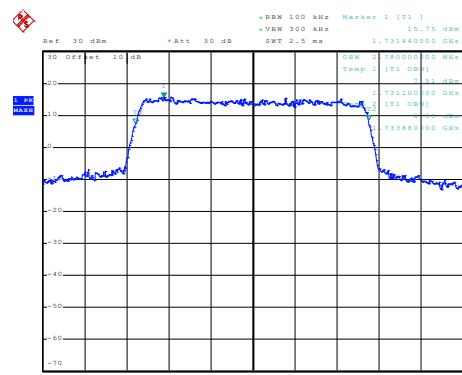
Lowest channel

Modulation: 16QAM



Date: 10.SEP.2014 14:44:22

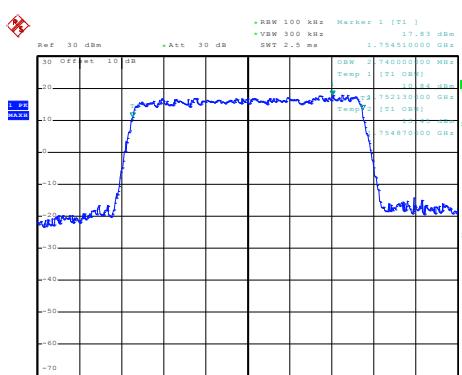
Modulation: QPSK



Date: 10.SEP.2014 14:37:17

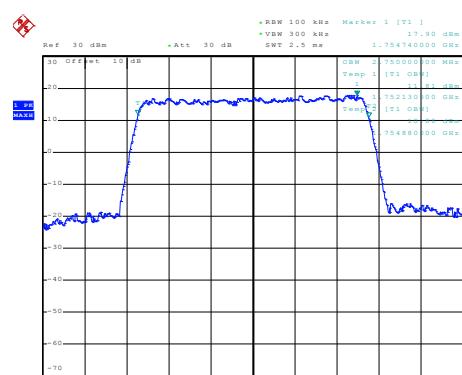
Middle channel

Modulation: 16QAM



Date: 10.SEP.2014 14:47:07

Modulation: QPSK

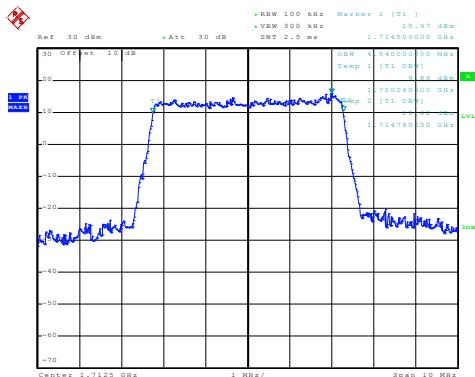


Date: 10.SEP.2014 14:45:27

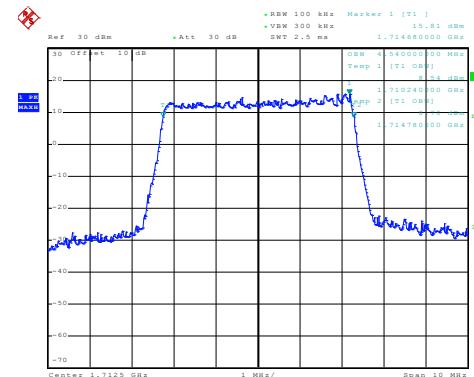
Highest channel

Test Item:	99% Occupy bandwidth	BW:	5MHz
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Modulation: 16QAM

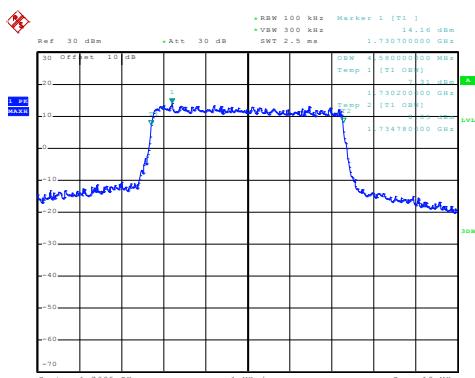


Modulation: QPSK

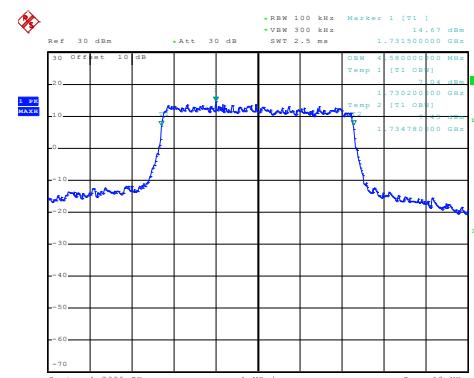


Lowest channel

Modulation: 16QAM

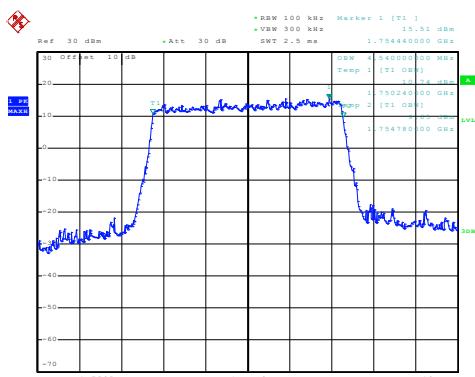


Modulation: QPSK

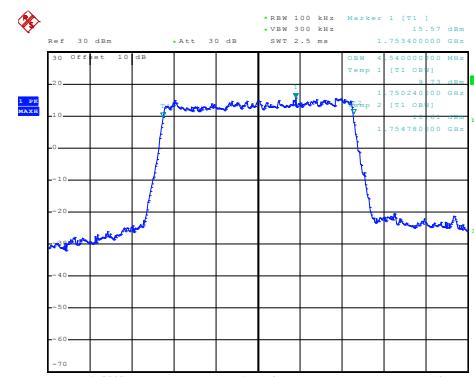


Middle channel

Modulation: 16QAM



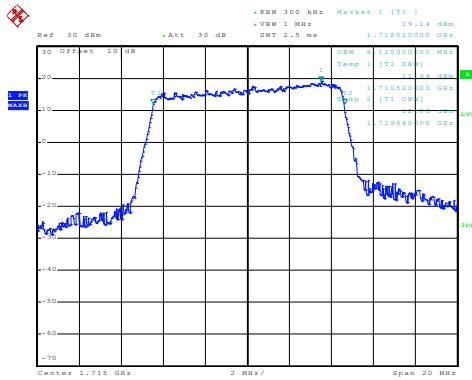
Modulation: QPSK



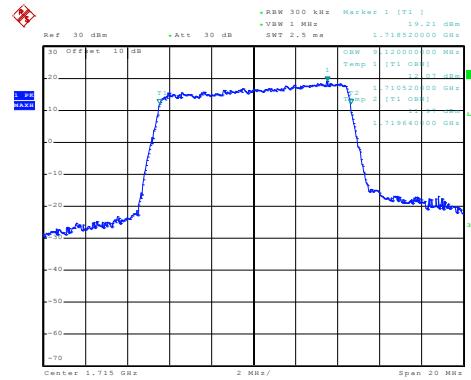
Highest channel

Test Item:	99% Occupy bandwidth	BW:	10MHz
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Modulation: 16QAM



Modulation: QPSK

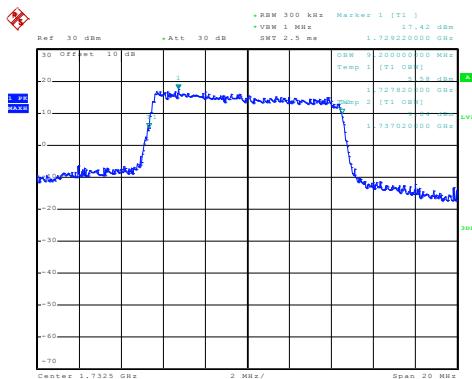


Date: 10.SEP.2014 15:03:19

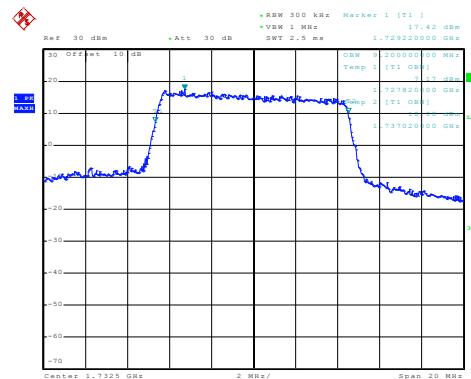
Date: 10.SEP.2014 15:01:52

Lowest channel

Modulation: 16QAM



Modulation: QPSK

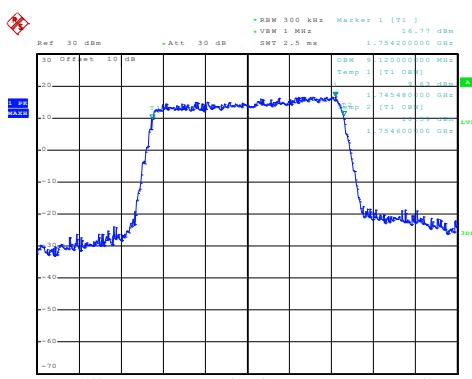


Date: 10.SEP.2014 15:05:11

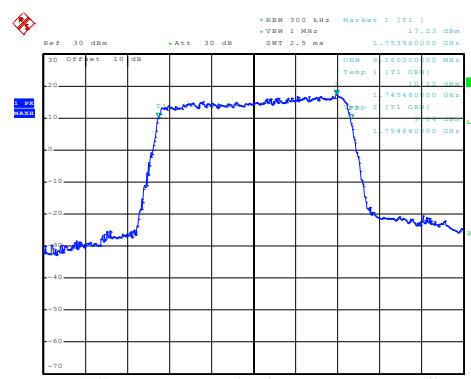
Date: 10.SEP.2014 15:04:11

Middle channel

Modulation: 16QAM



Modulation: QPSK



Date: 10.SEP.2014 15:08:44

Date: 10.SEP.2014 15:07:58

Highest channel

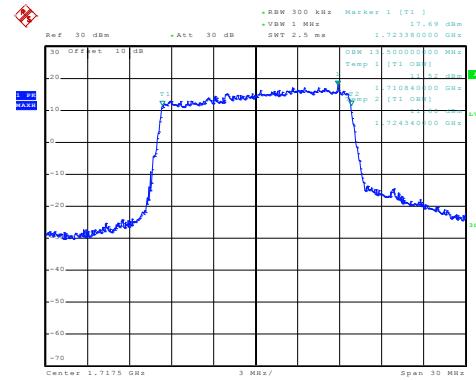
Test Item:	99% Occupy bandwidth	BW:	15MHz
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Modulation: 16QAM



Date: 10.SEP.2014 15:14:15

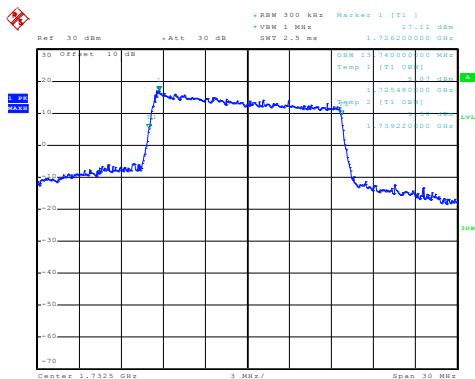
Modulation: QPSK



Date: 10.SEP.2014 15:13:30

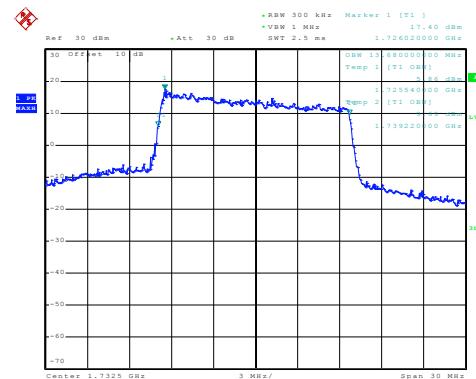
Lowest channel

Modulation: 16QAM



Date: 10.SEP.2014 15:16:31

Modulation: QPSK

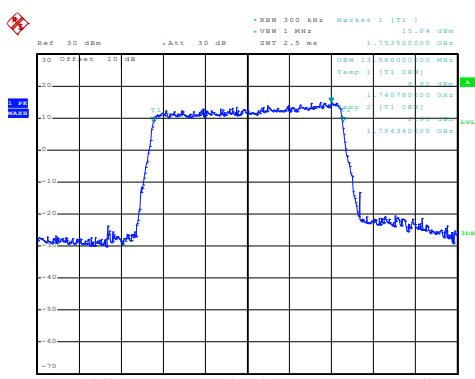


Date: 10.SEP.2014 15:14:56

Date: 10.SEP.2014 15:14:56

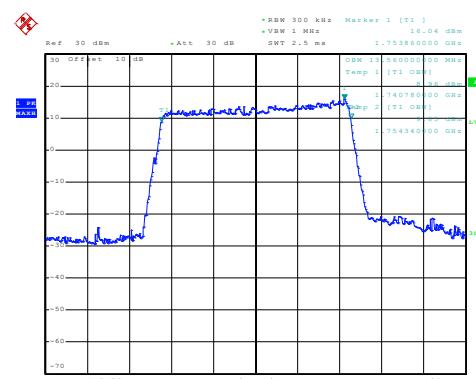
Middle channel

Modulation: 16QAM



Date: 10.SEP.2014 15:25:14

Modulation: QPSK

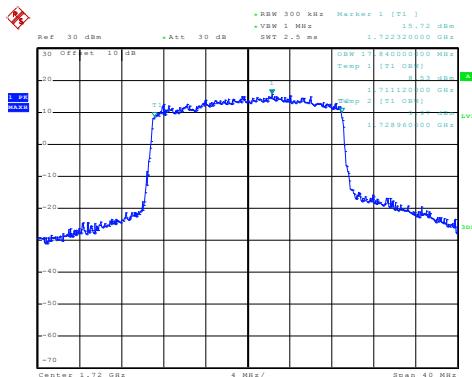


Date: 10.SEP.2014 15:18:47

Highest channel

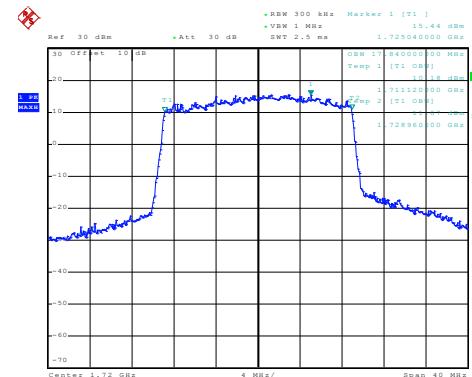
Test Item:	99% Occupy bandwidth	BW:	20MHz
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Modulation: 16QAM



Date: 10.SEP.2014 15:27:34

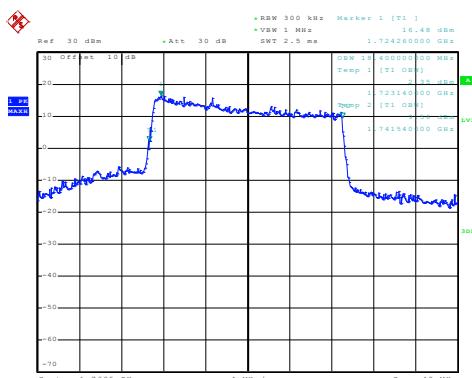
Modulation: QPSK



Date: 10.SEP.2014 15:26:44

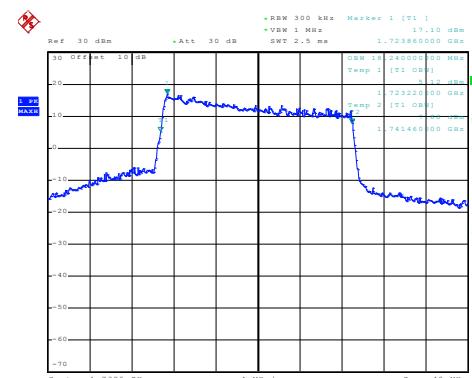
Lowest channel

Modulation: 16QAM



Date: 10.SEP.2014 15:29:53

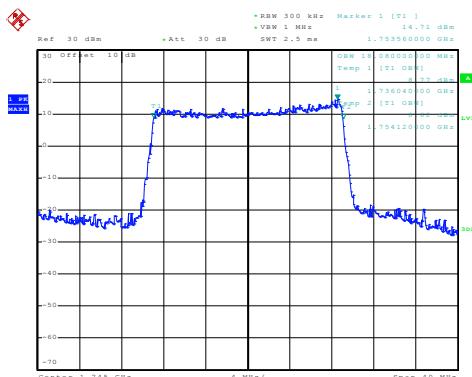
Modulation: QPSK



Date: 10.SEP.2014 15:28:40

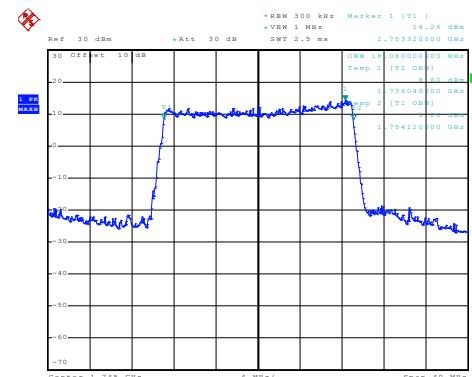
Middle channel

Modulation: 16QAM



Date: 10.SEP.2014 15:31:53

Modulation: QPSK



Date: 10.SEP.2014 15:30:44

Highest channel

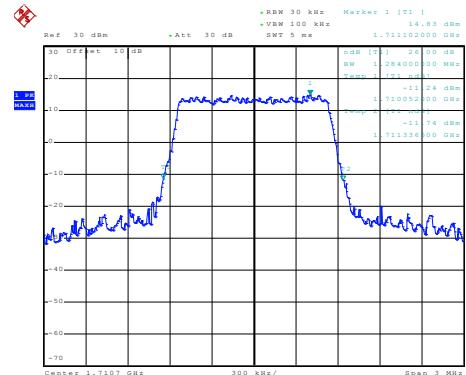
Test Item:	-26dBc bandwidth	BW:	1.4MHz
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Modulation: 16QAM



Date: 10.SEP.2014 14:28:48

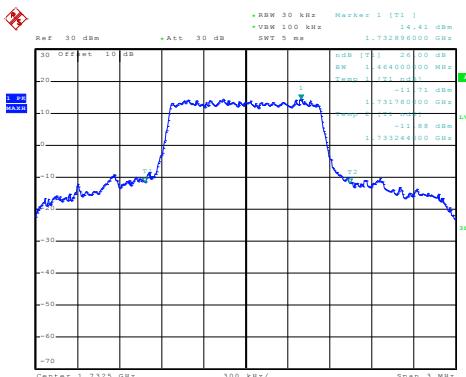
Modulation: QPSK



Date: 10.SEP.2014 14:21:34

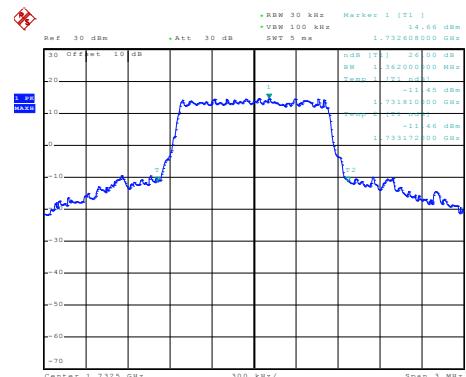
Lowest channel

Modulation: 16QAM



Date: 10.SEP.2014 14:30:11

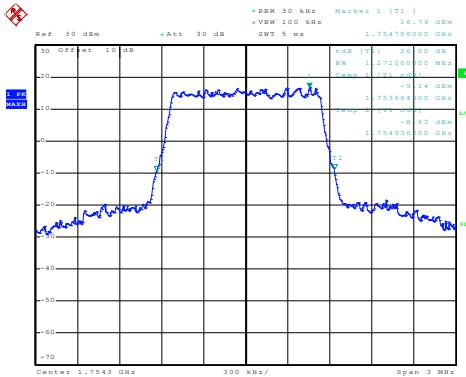
Modulation: QPSK



Date: 10.SEP.2014 14:23:00

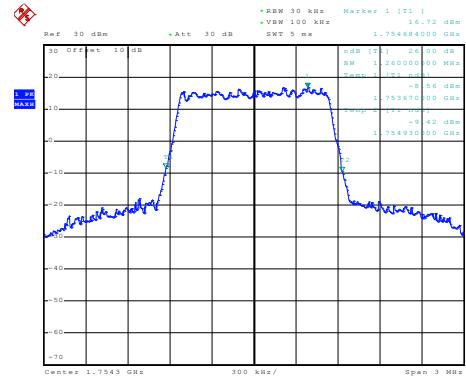
Middle channel

Modulation: 16QAM



Date: 10.SEP.2014 14:30:48

Modulation: QPSK

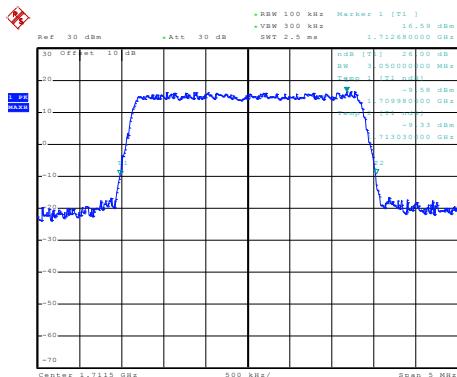


Date: 10.SEP.2014 14:24:38

Highest channel

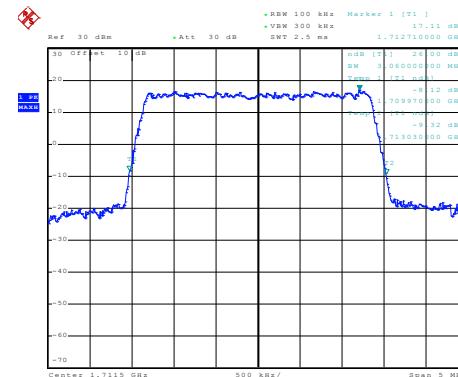
Test Item:	-26dBc bandwidth	BW:	3MHz
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Modulation: 16QAM



Date: 10.SEP.2014 14:36:00

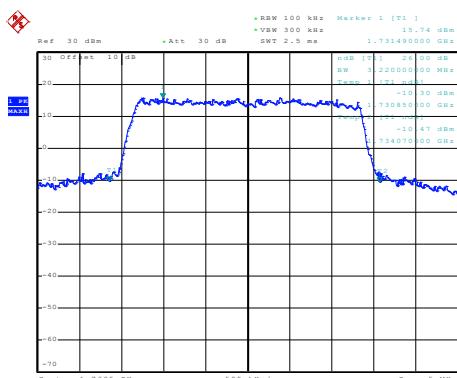
Modulation: QPSK



Date: 10.SEP.2014 14:35:35

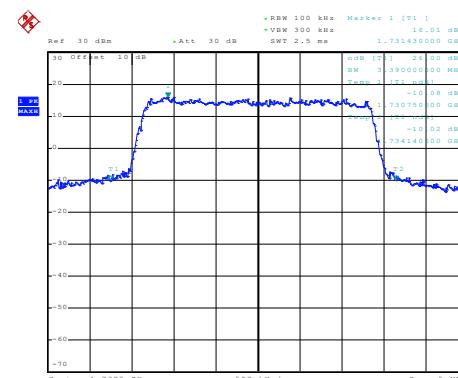
Lowest channel

Modulation: 16QAM



Date: 10.SEP.2014 14:43:48

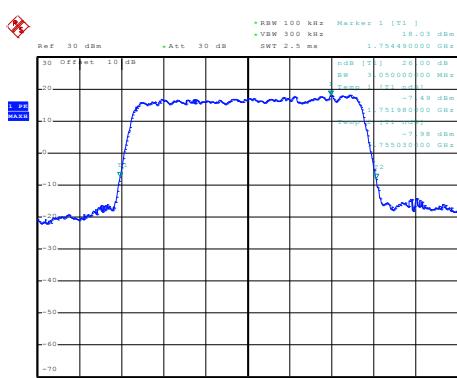
Modulation: QPSK



Date: 10.SEP.2014 14:43:26

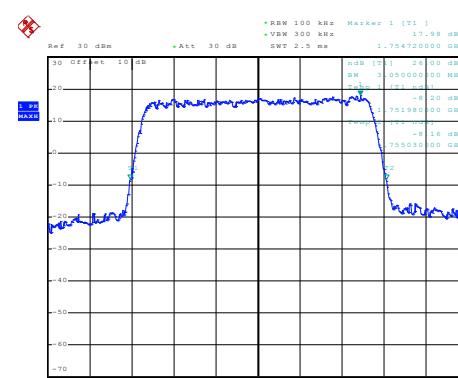
Middle channel

Modulation: 16QAM



Date: 10.SEP.2014 14:46:45

Modulation: QPSK



Date: 10.SEP.2014 14:45:50

Highest channel

Test Item:	-26dBc bandwidth	BW:	5MHz
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Modulation: 16QAM



Date: 10.SEP.2014 14:50:01

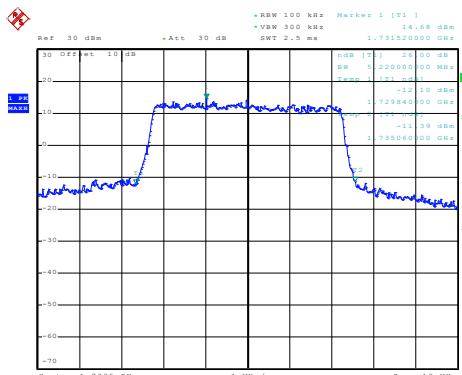
Modulation: QPSK



Date: 10.SEP.2014 14:50:42

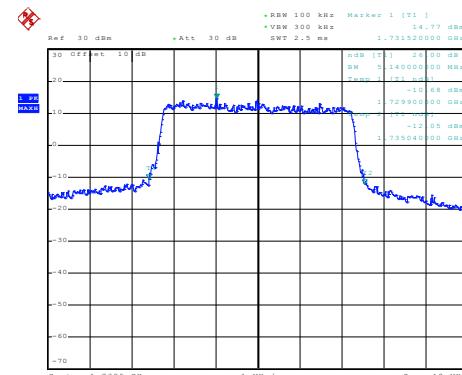
Lowest channel

Modulation: 16QAM



Date: 10.SEP.2014 14:52:51

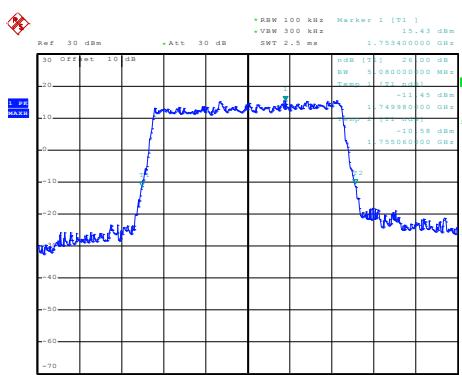
Modulation: QPSK



Date: 10.SEP.2014 14:52:24

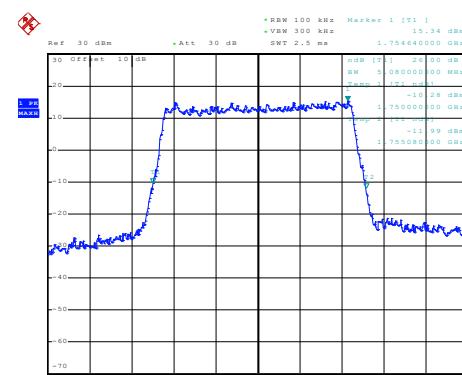
Middle channel

Modulation: 16QAM



Date: 10.SEP.2014 14:54:42

Modulation: QPSK



Date: 10.SEP.2014 14:54:21

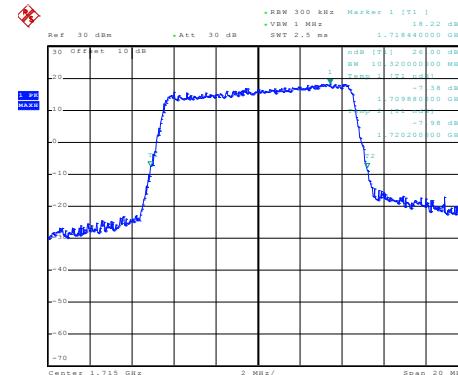
Highest channel

Test Item:	-26dBc bandwidth	BW:	10MHz
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Modulation: 16QAM

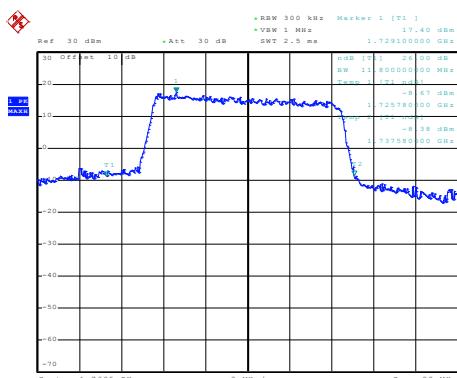


Modulation: QPSK

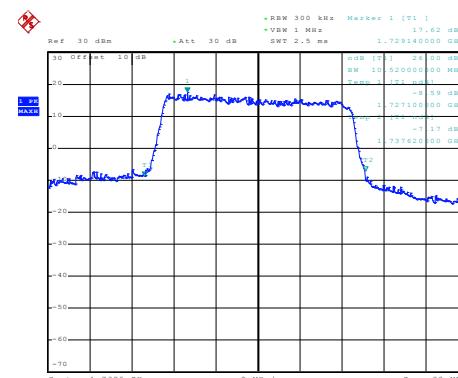


Lowest channel

Modulation: 16QAM

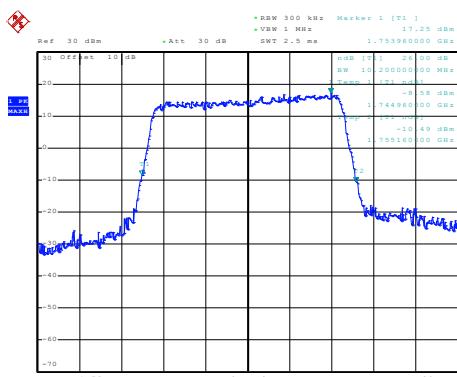


Modulation: QPSK

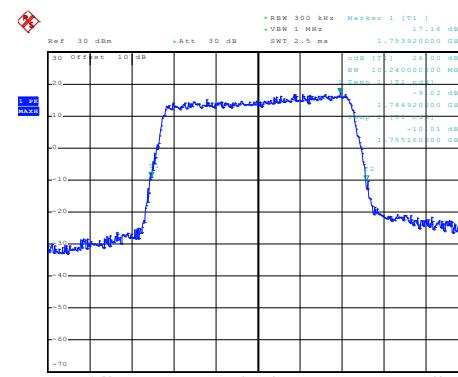


Middle channel

Modulation: 16QAM



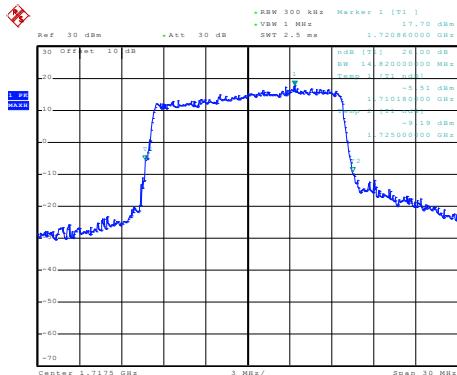
Modulation: QPSK



Highest channel

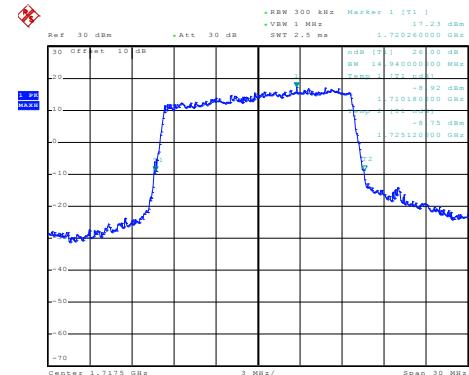
Test Item:	-26dBc bandwidth	BW:	15MHz
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Modulation: 16QAM



Date: 10.SEP.2014 15:14:04

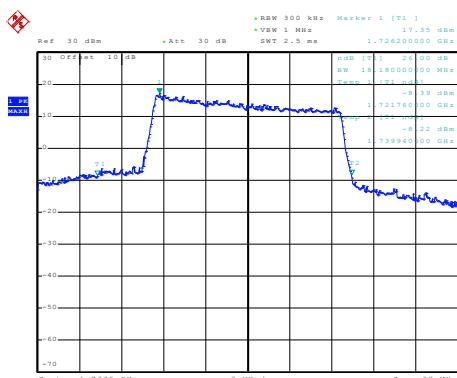
Modulation: QPSK



Date: 10.SEP.2014 15:13:42

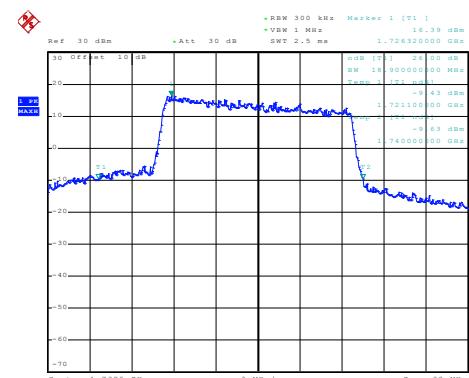
Lowest channel

Modulation:16QAM



Date: 10.SEP.2014 15:16:03

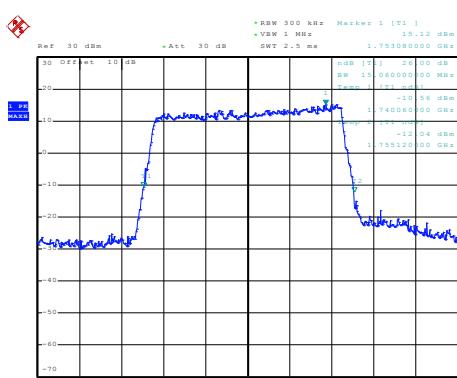
Modulation: QPSK



Date: 10.SEP.2014 15:15:12

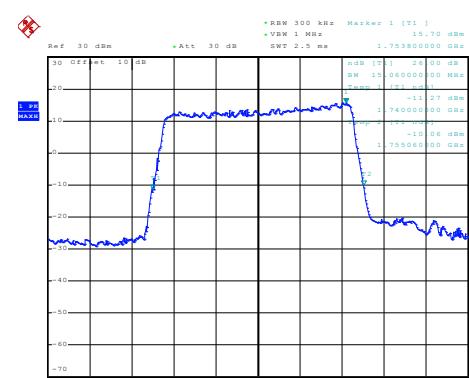
Middle channel

Modulation:16QAM



Date: 10.SEP.2014 15:25:01

Modulation: QPSK

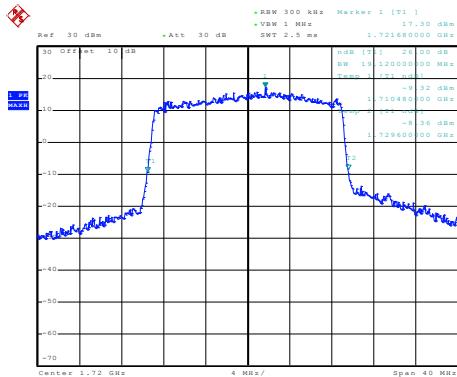


Date: 10.SEP.2014 15:22:49

Highest channel

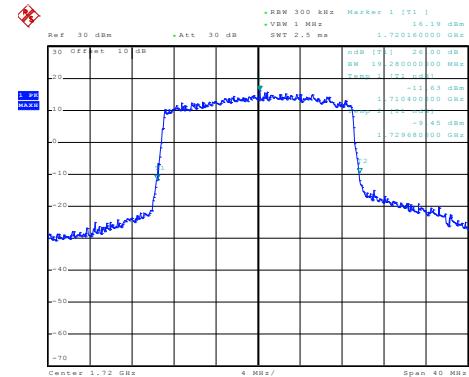
Test Item:	-26dBc bandwidth	BW:	20MHz
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Modulation: 16QAM



Date: 10.SEP.2014 15:27:19

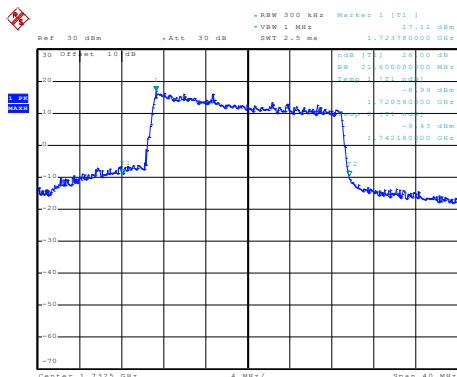
Modulation: QPSK



Date: 10.SEP.2014 15:26:57

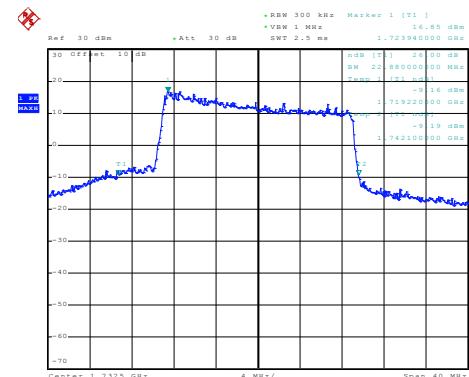
Lowest channel

Modulation: 16QAM



Date: 10.SEP.2014 15:29:34

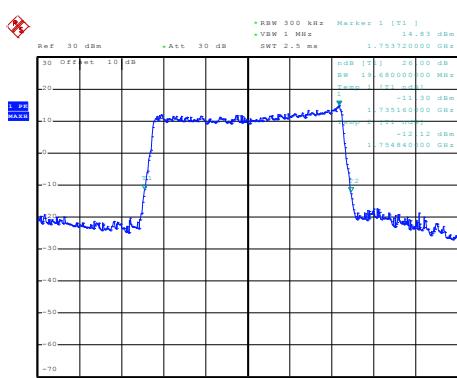
Modulation: QPSK



Date: 10.SEP.2014 15:28:57

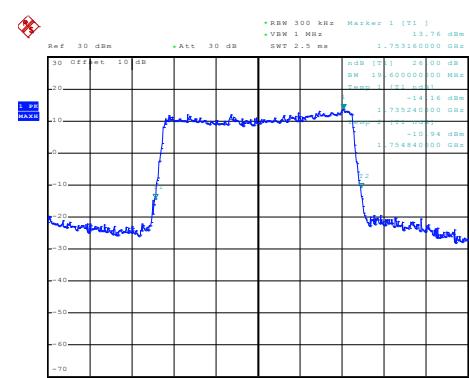
Middle channel

Modulation: 16QAM



Date: 10.SEP.2014 15:31:40

Modulation: QPSK



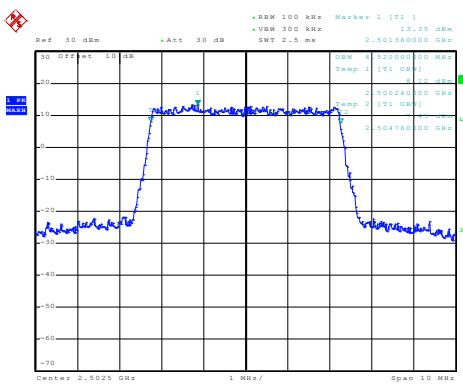
Date: 10.SEP.2014 15:30:57

Highest channel

LTE-Band 7 part

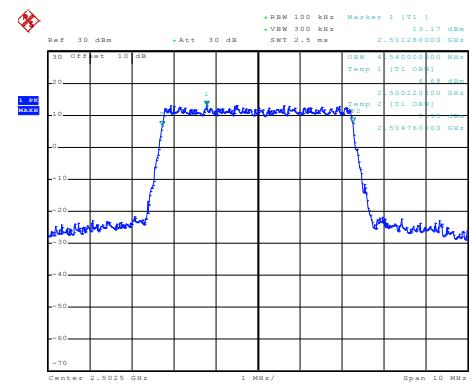
Test Item:	99% Occupy bandwidth	BW:	5MHz
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Modulation: 16QAM



Date: 10.SEP.2014 16:04:05

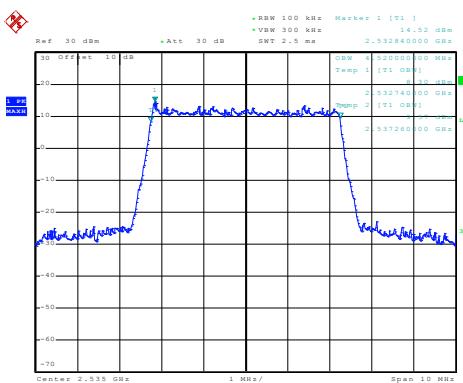
Modulation: QPSK



Date: 10.SEP.2014 16:04:25

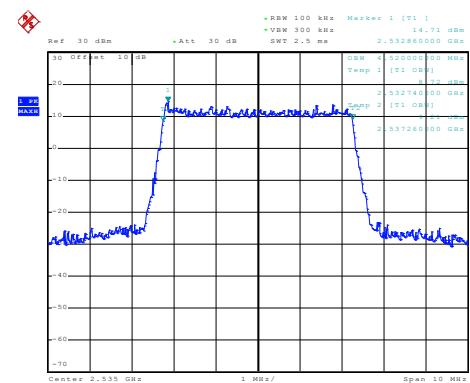
Lowest channel

Modulation: 16QAM



Date: 10.SEP.2014 16:06:07

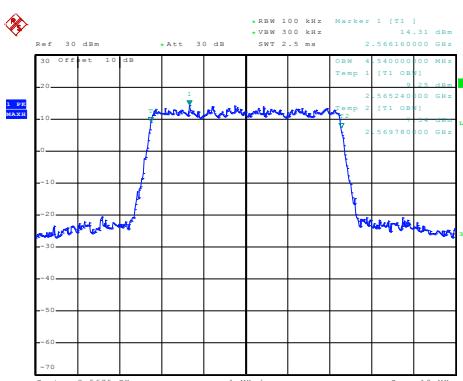
Modulation: QPSK



Date: 10.SEP.2014 16:05:40

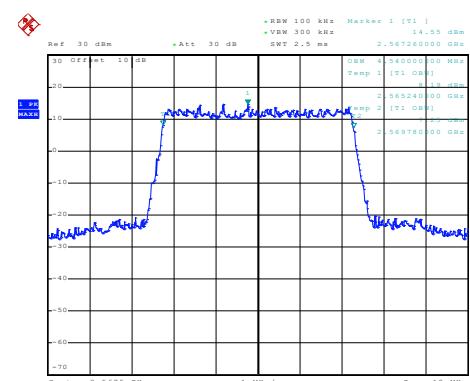
Middle channel

Modulation: 16QAM



Date: 10.SEP.2014 16:11:30

Modulation: QPSK

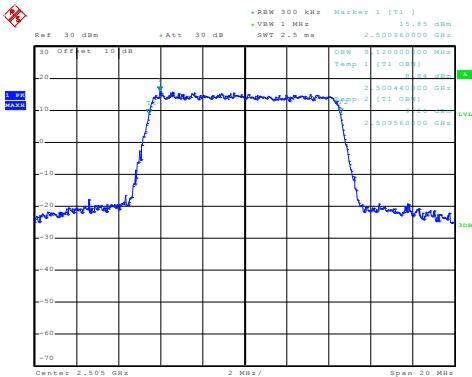


Date: 10.SEP.2014 16:11:12

Highest channel

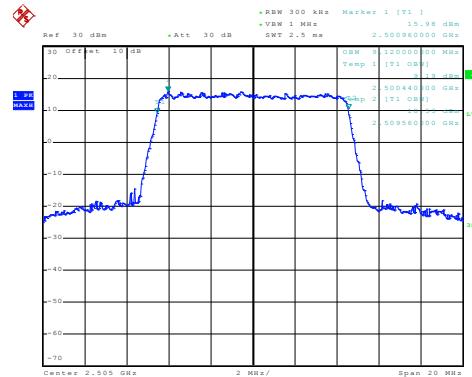
Test Item:	99% Occupy bandwidth	BW:	10MHz
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Modulation:16QAM



Date: 10.SEP.2014 16:14:30

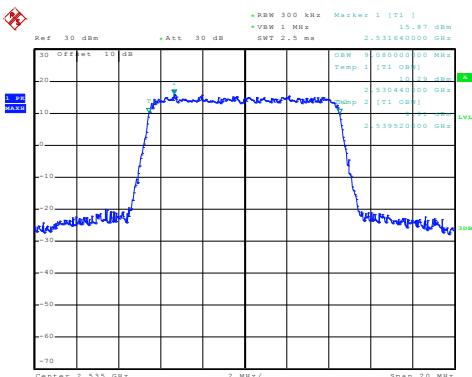
Modulation: QPSK



Date: 10.SEP.2014 16:13:59

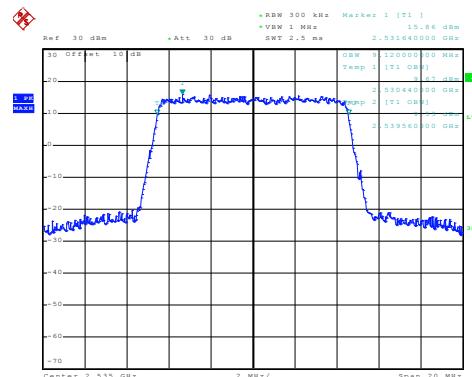
Lowest channel

Modulation:16QAM



Date: 10.SEP.2014 16:17:20

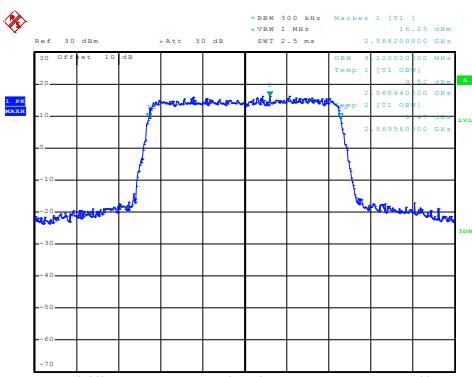
Modulation: QPSK



Date: 10.SEP.2014 16:16:50

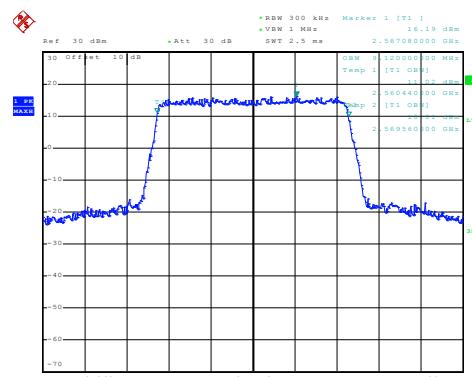
Middle channel

Modulation:16QAM



Date: 10.SEP.2014 16:20:00

Modulation: QPSK

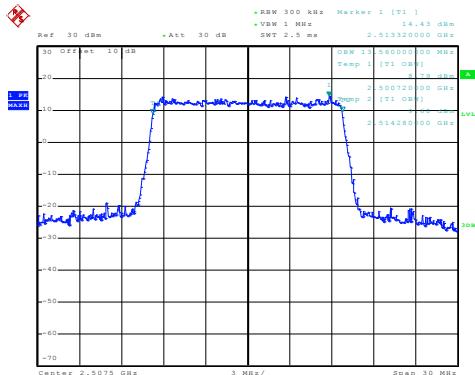


Date: 10.SEP.2014 16:19:41

Highest channel

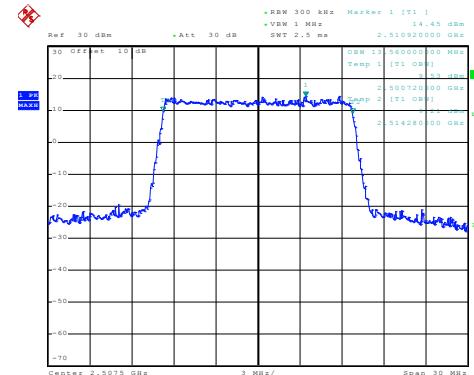
Test Item:	99% Occupy bandwidth	BW:	15MHz
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Modulation: 16QAM



Date: 10.SEP.2014 16:22:38

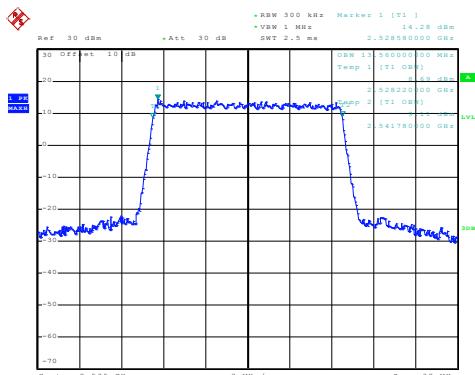
Modulation: QPSK



Date: 10.SEP.2014 16:22:18

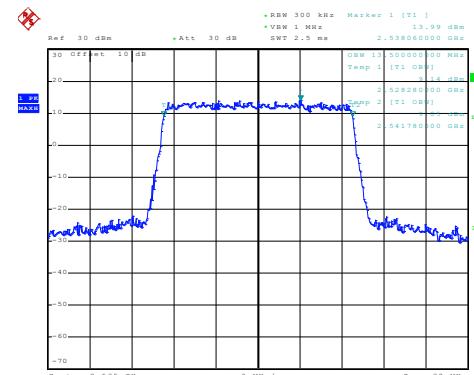
Lowest channel

Modulation: 16QAM



Date: 10.SEP.2014 16:24:11

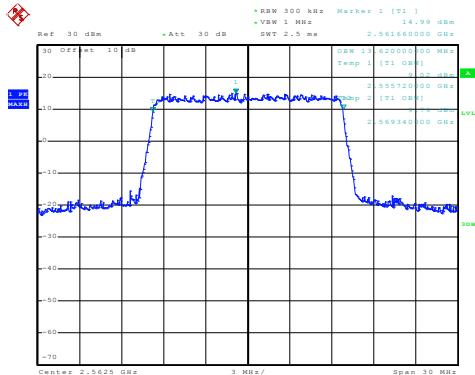
Modulation: QPSK



Date: 10.SEP.2014 16:23:45

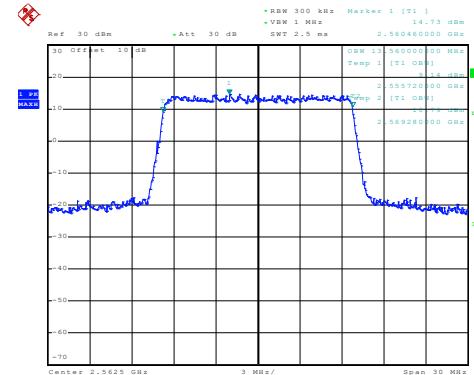
Middle channel

Modulation: 16QAM



Date: 10.SEP.2014 16:41:14

Modulation: QPSK

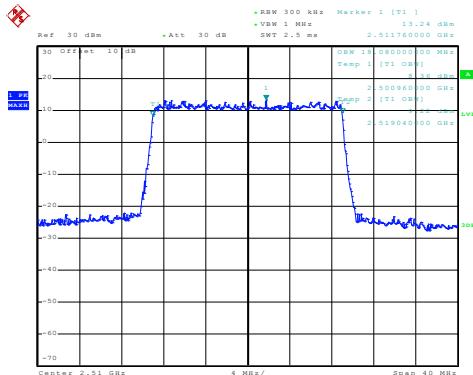


Date: 10.SEP.2014 16:25:33

Highest channel

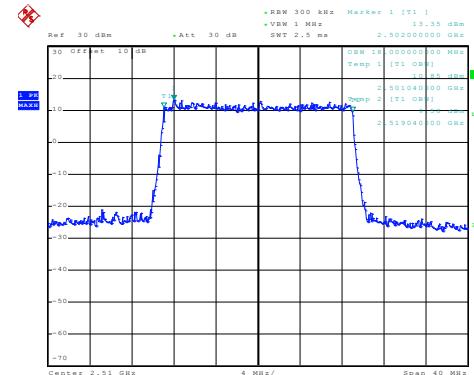
Test Item:	99% Occupy bandwidth	BW:	20MHz
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Modulation: 16QAM



Date: 10.SEP.2014 16:43:45

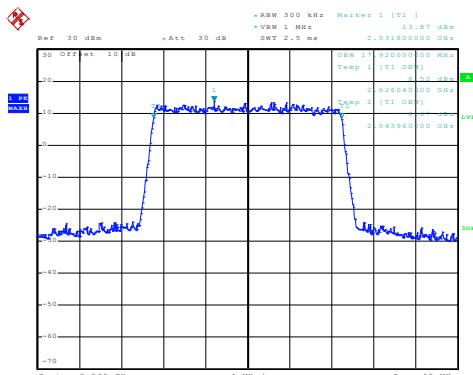
Modulation: QPSK



Date: 10.SEP.2014 16:42:41

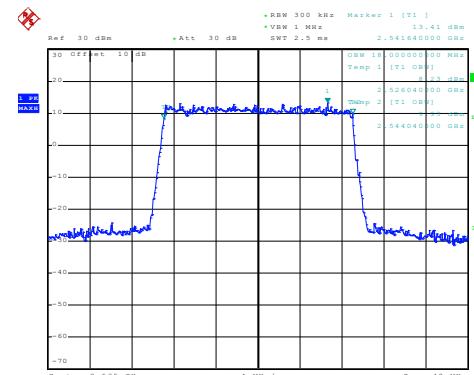
Lowest channel

Modulation: 16QAM



Date: 10.SEP.2014 16:46:04

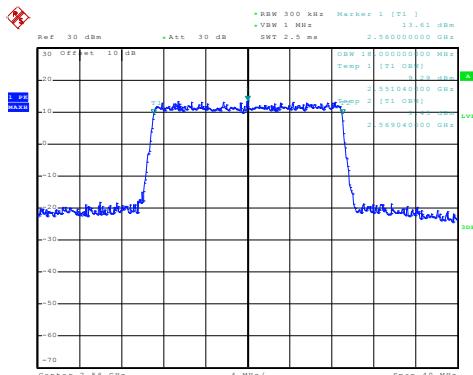
Modulation: QPSK



Date: 10.SEP.2014 16:45:32

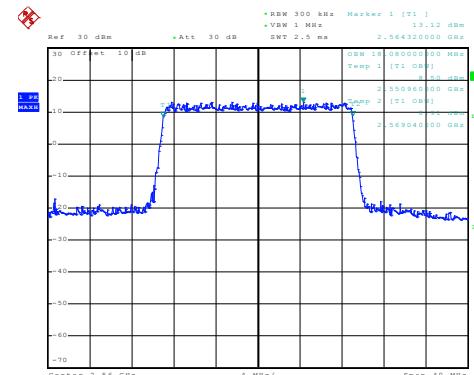
Middle channel

Modulation: 16QAM



Date: 10.SEP.2014 16:48:23

Modulation: QPSK

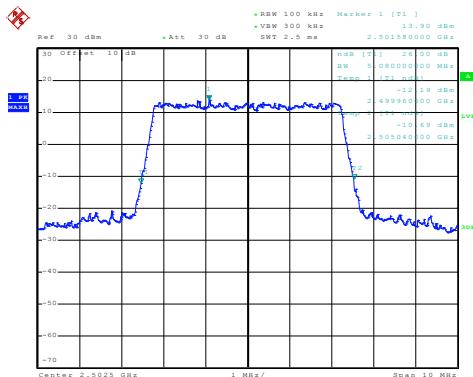


Date: 10.SEP.2014 16:48:06

Highest channel

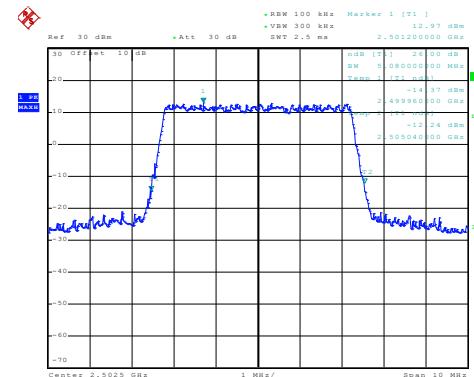
Test Item:	-26dBc bandwidth	BW:	5MHz
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Modulation: 16QAM



Date: 10.SEP.2014 16:03:52

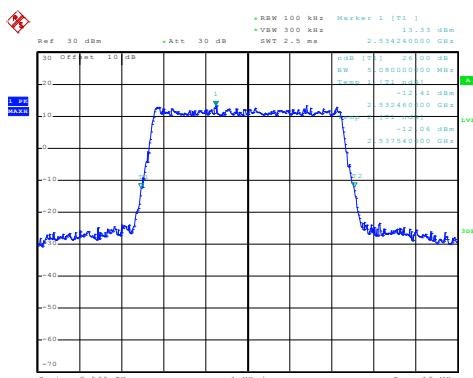
Modulation: QPSK



Date: 10.SEP.2014 16:04:39

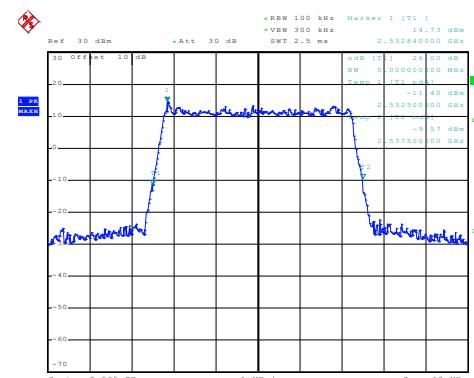
Lowest channel

Modulation:16QAM



Date: 10.SEP.2014 16:06:25

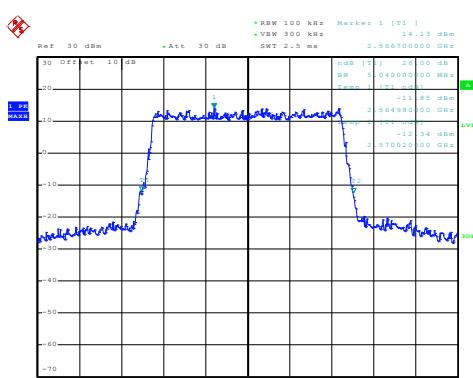
Modulation: QPSK



Date: 10.SEP.2014 16:05:23

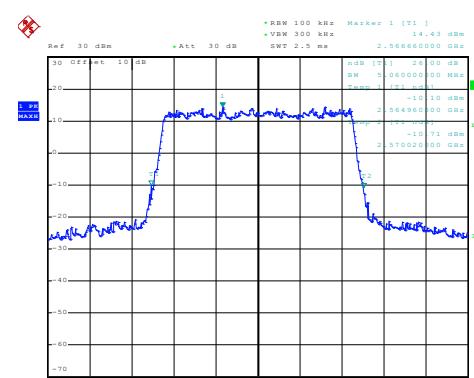
Middle channel

Modulation:16QAM



Date: 10.SEP.2014 16:11:41

Modulation: QPSK

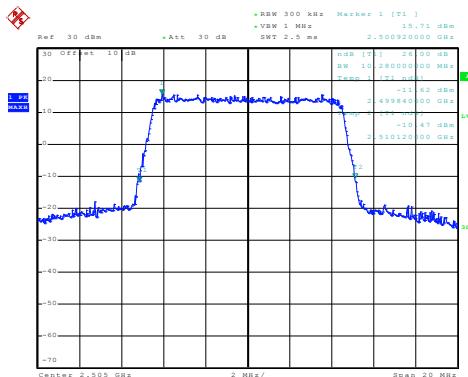


Date: 10.SEP.2014 16:11:00

Highest channel

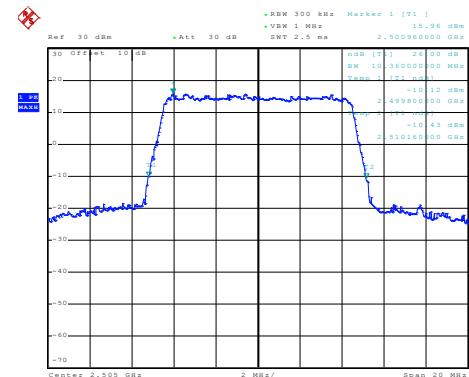
Test Item:	-26dBc bandwidth	BW:	10MHz
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Modulation:16QAM



Date: 10.SEP.2014 16:14:46

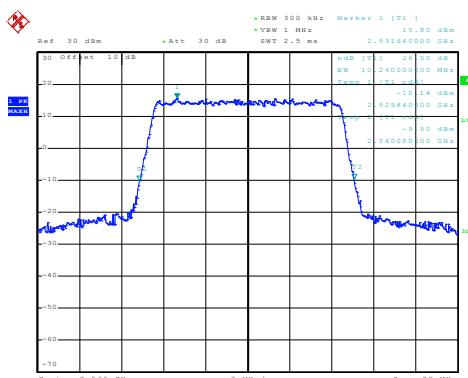
Modulation: QPSK



Date: 10.SEP.2014 16:13:20

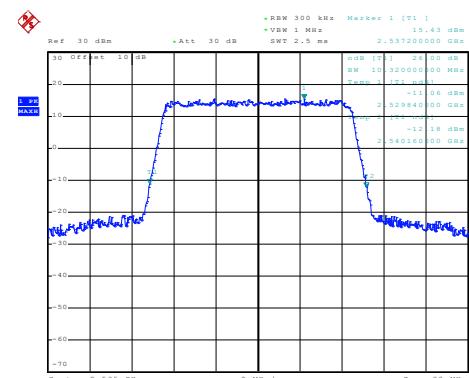
Lowest channel

Modulation:16QAM



Date: 10.SEP.2014 16:17:54

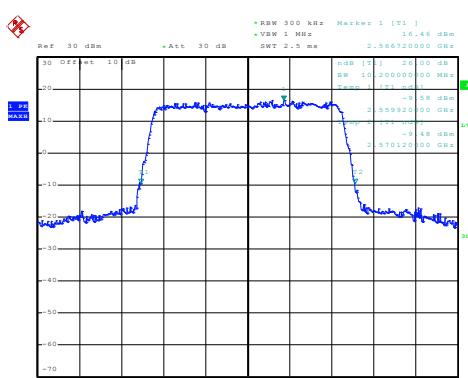
Modulation: QPSK



Date: 10.SEP.2014 16:16:32

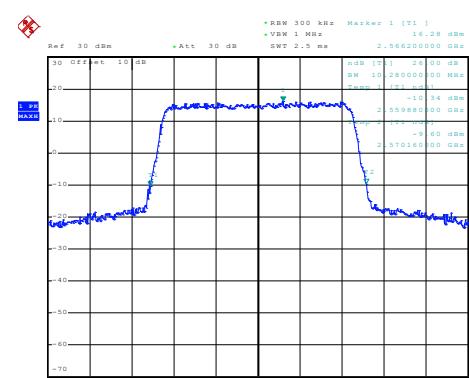
Middle channel

Modulation:16QAM



Date: 10.SEP.2014 16:20:21

Modulation: QPSK

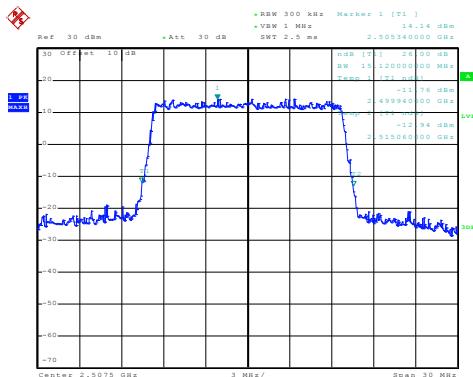


Date: 10.SEP.2014 16:19:28

Highest channel

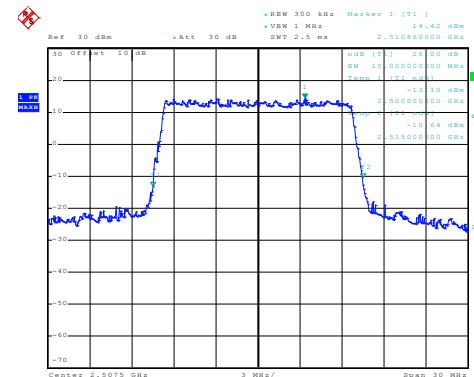
Test Item:	-26dBc bandwidth	BW:	15MHz
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Modulation:16QAM



Date: 10.SEP.2014 16:22:50

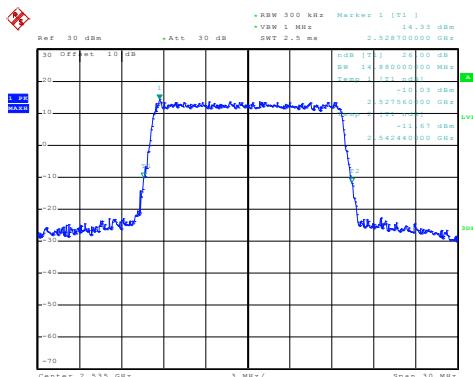
Modulation: QPSK



Date: 10.SEP.2014 16:22:03

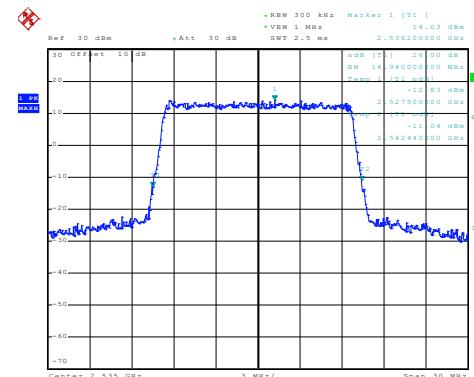
Lowest channel

Modulation:16QAM



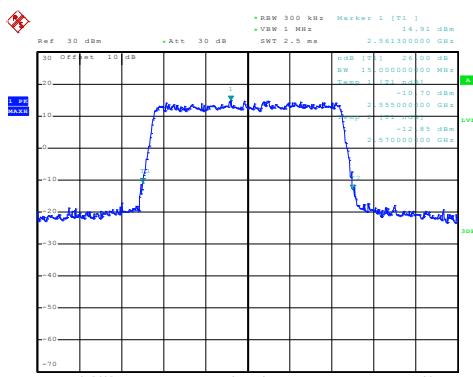
Date: 10.SEP.2014 16:24:27

Modulation: QPSK



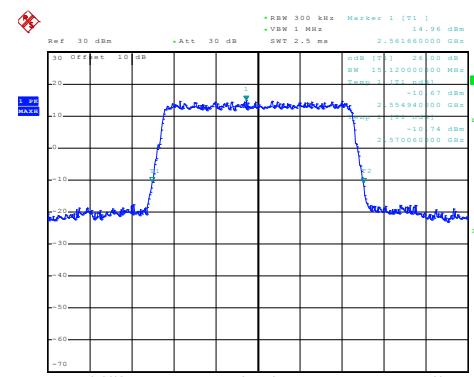
Middle channel

Modulation:16QAM



Date: 10.SEP.2014 16:41:28

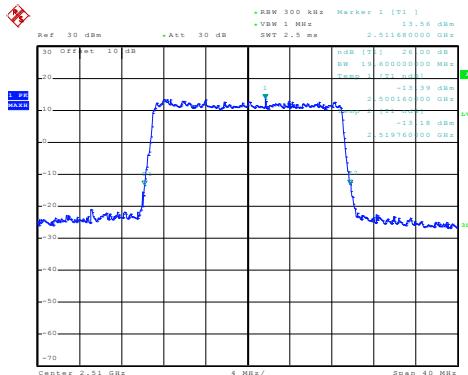
Modulation: QPSK



Highest channel

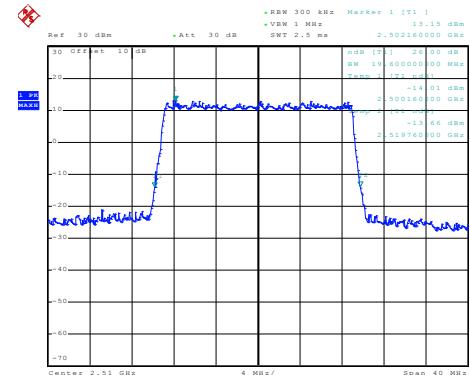
Test Item:	-26dBc bandwidth	BW:	20MHz
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Modulation:16QAM



Date: 10.SEP.2014 16:44:31

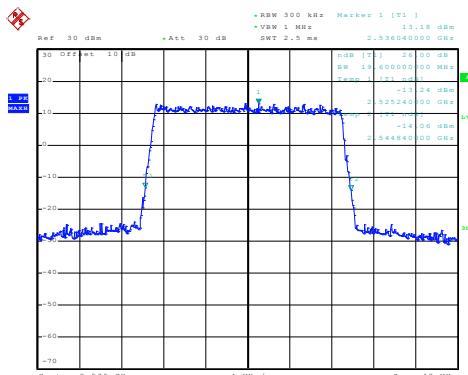
Modulation: QPSK



Date: 10.SEP.2014 16:42:27

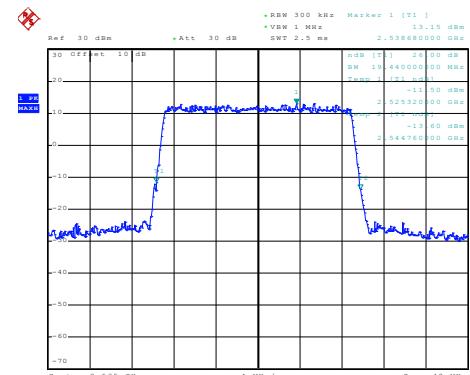
Lowest channel

Modulation:16QAM



Date: 10.SEP.2014 16:46:17

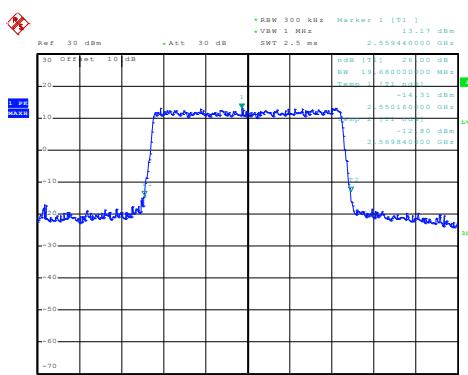
Modulation: QPSK



Date: 10.SEP.2014 16:45:21

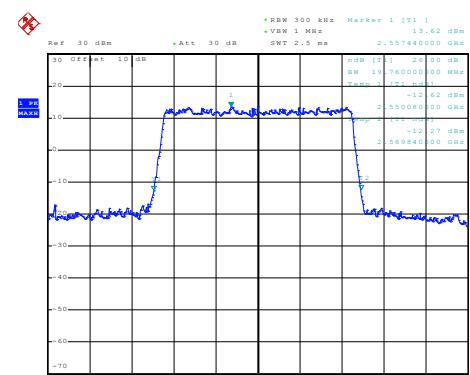
Middle channel

Modulation:16QAM



Date: 10.SEP.2014 16:48:35

Modulation: QPSK



Date: 10.SEP.2014 16:47:54

Highest channel

6.7 Modulation Characteristic

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

6.8 Out of band emission at antenna terminals

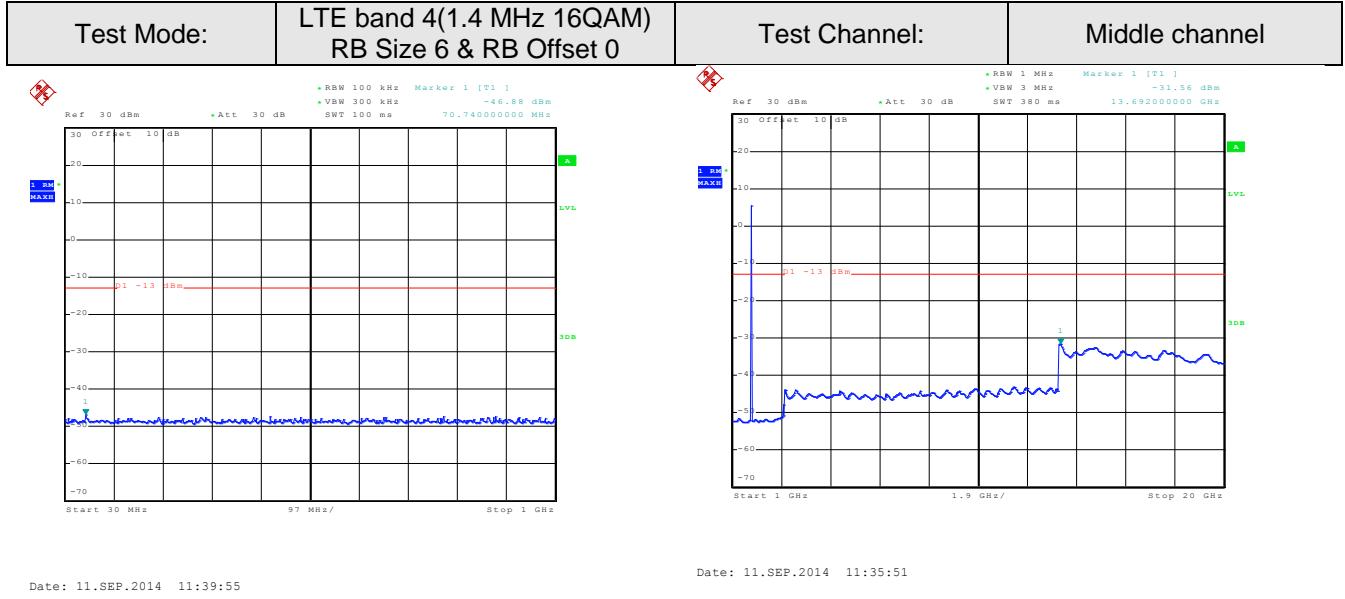
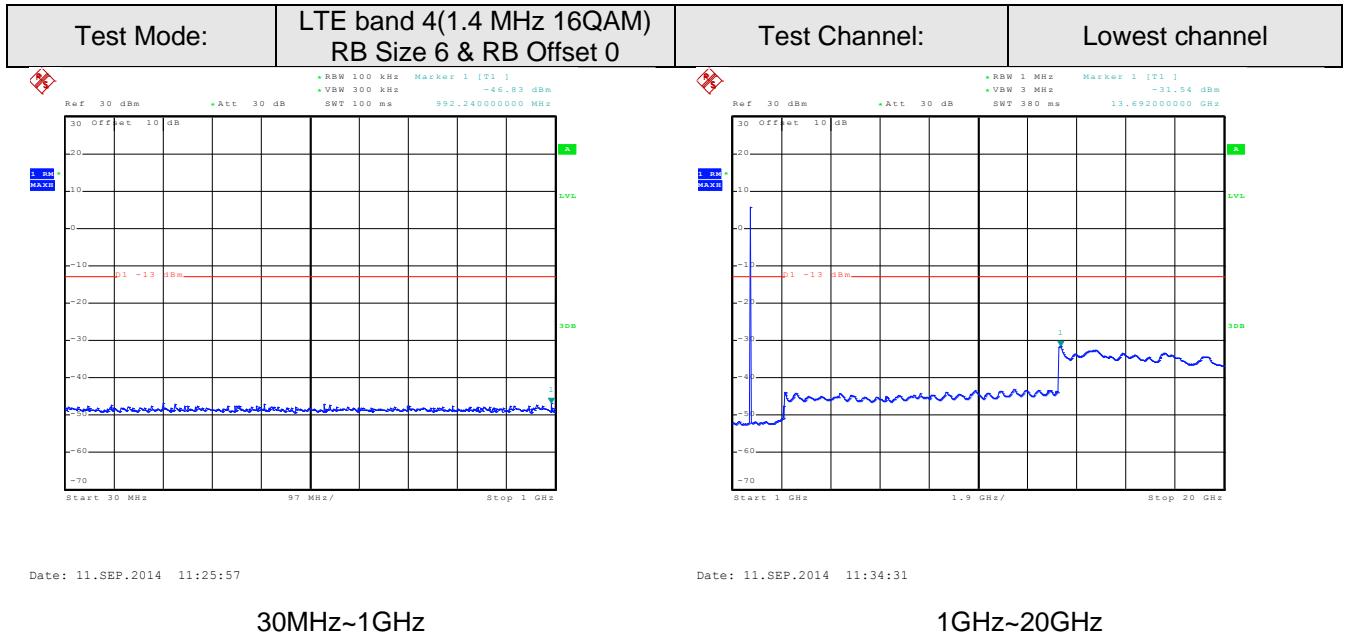
Test Requirement:	FCC part 27.53(h) and FCC part 27.53(m)
Test Method:	FCC part 2.1051
Limit:	-13dBm
Test setup:	<pre> graph LR EUT[EUT] --- Splitter[Splitter] Splitter --- CommTester[Communication Tester] Splitter --- ATT[ATT] ATT --- SPA[SPA] </pre>
<i>Note: Measurement setup for testing on Antenna connector</i>	
Test Procedure:	<ol style="list-style-type: none"> 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

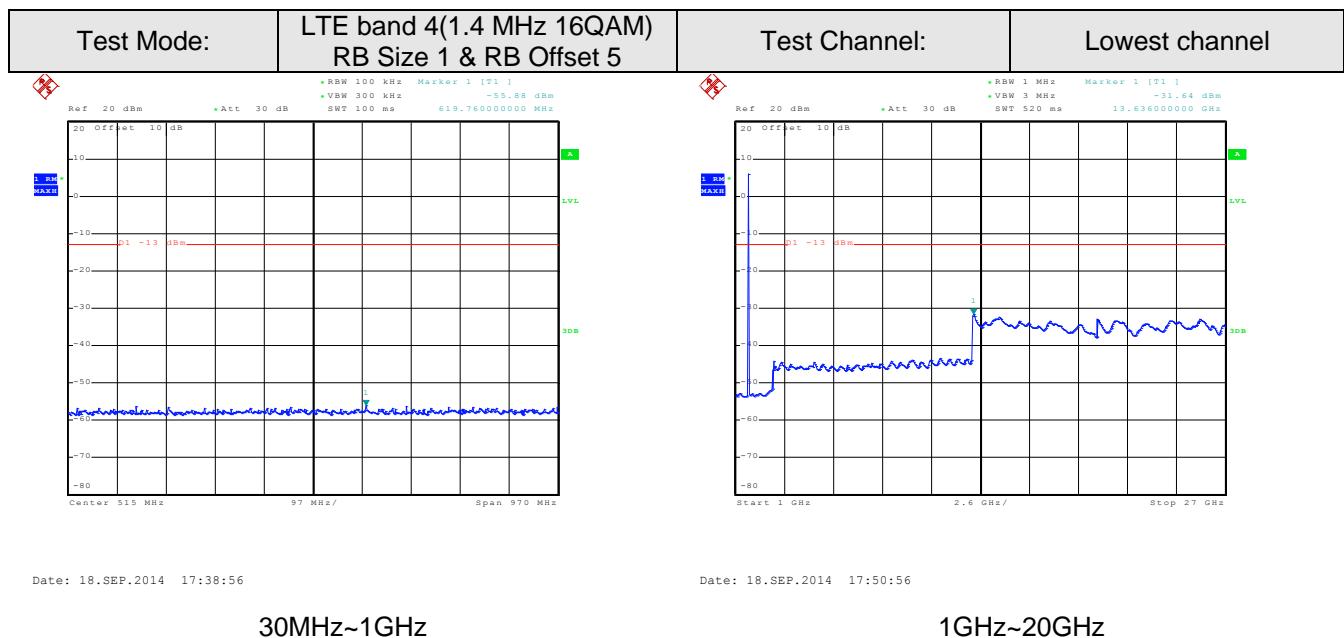
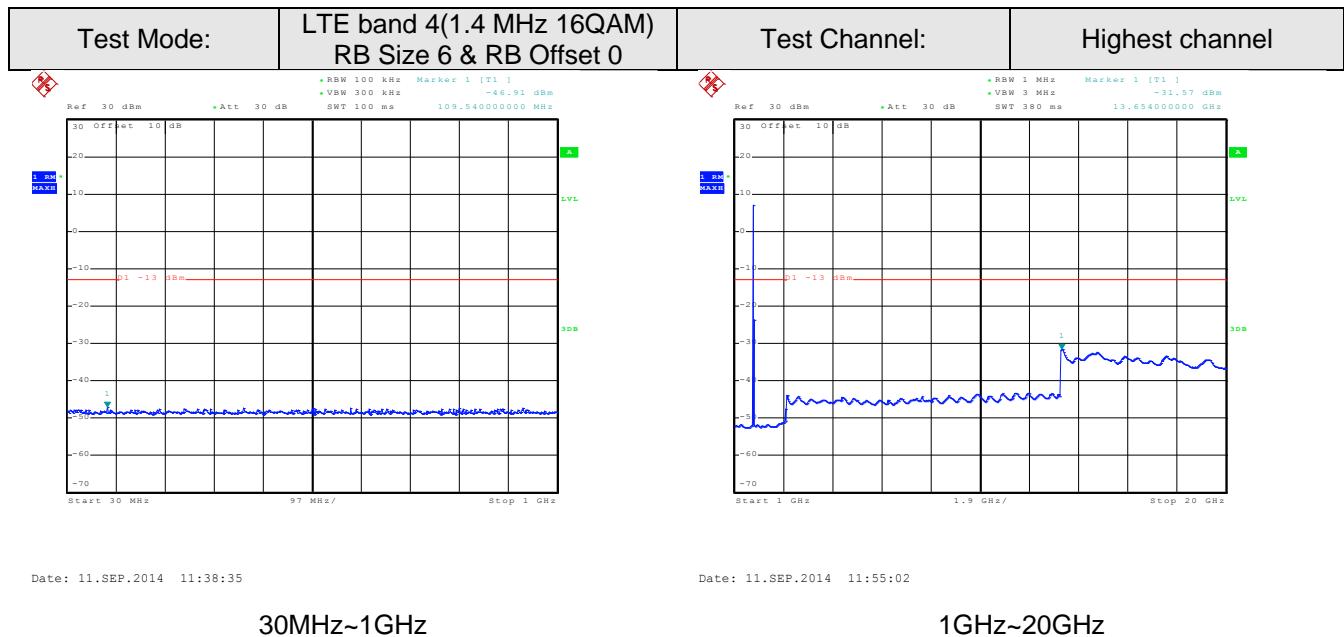
Test plots as follows:

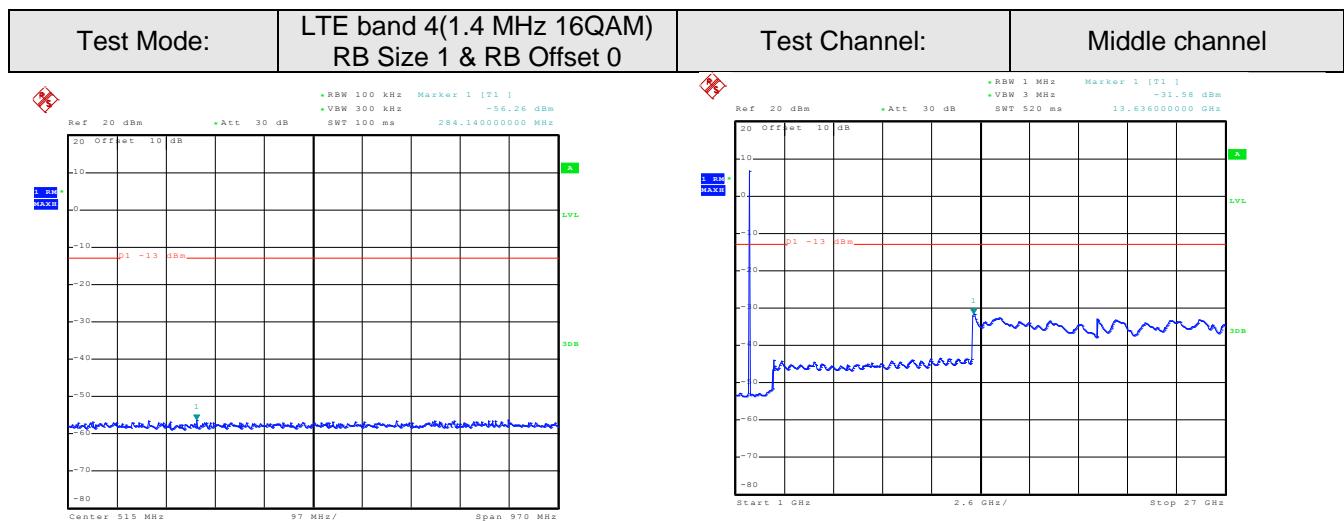
Spurious emission

LTE band 4 Part:

1.4MHz





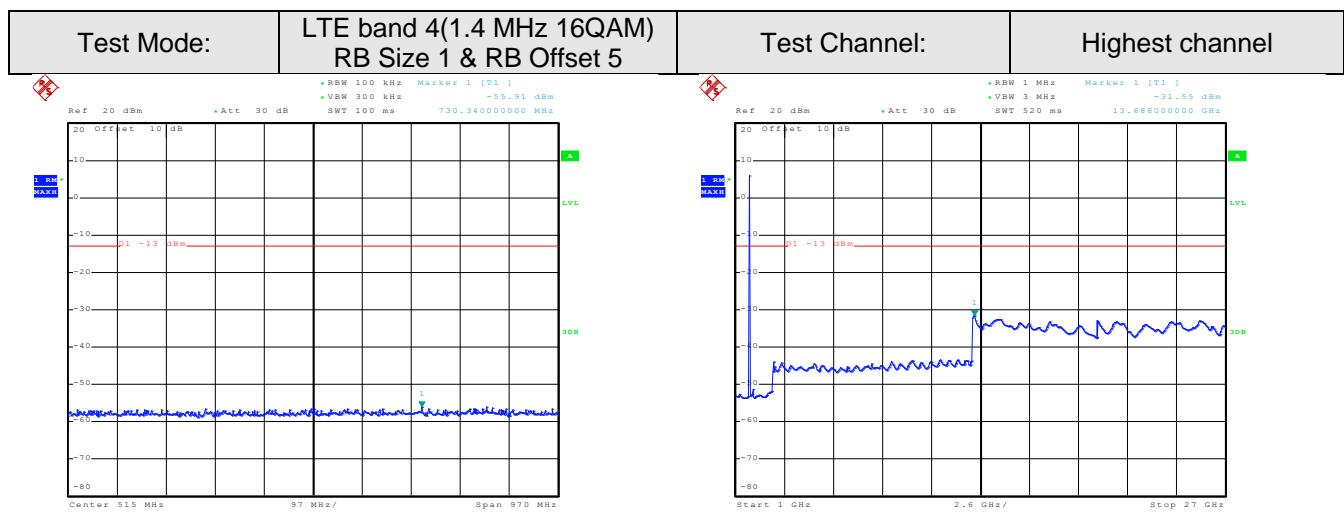


Date: 18.SEP.2014 17:42:05

Date: 18.SEP.2014 17:49:13

30MHz~1GHz

1GHz~20GHz



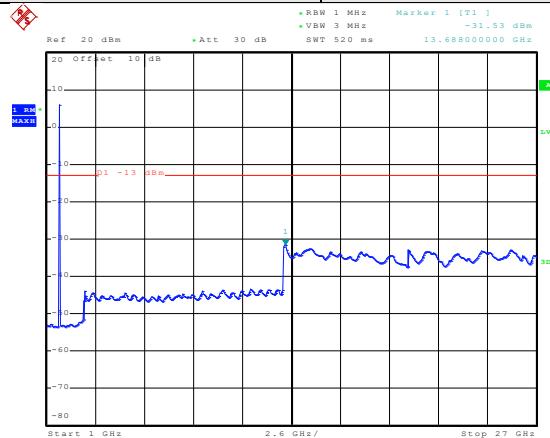
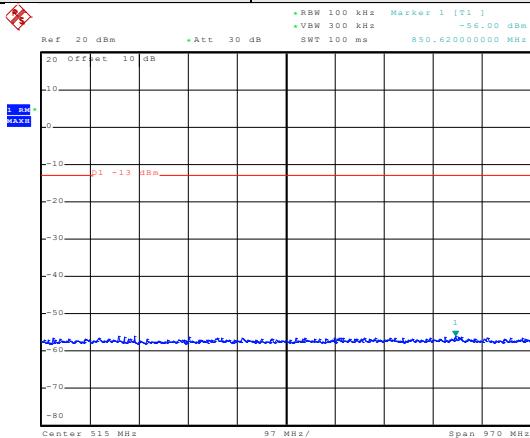
Date: 18.SEP.2014 17:43:43

Date: 18.SEP.2014 17:46:17

30MHz~1GHz

1GHz~20GHz

Test Mode:	LTE band 4(1.4 MHz 16QAM) RB Size 3 & RB Offset 2	Test Channel:	Lowest channel
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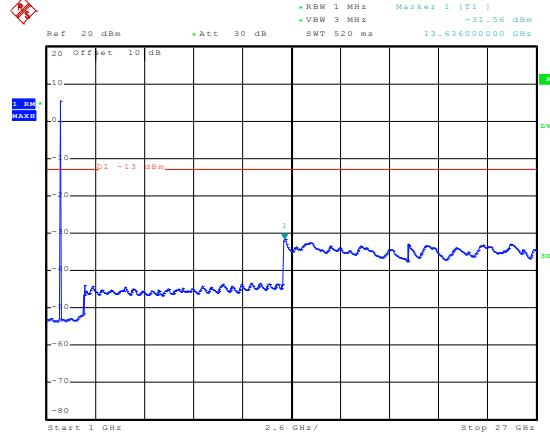
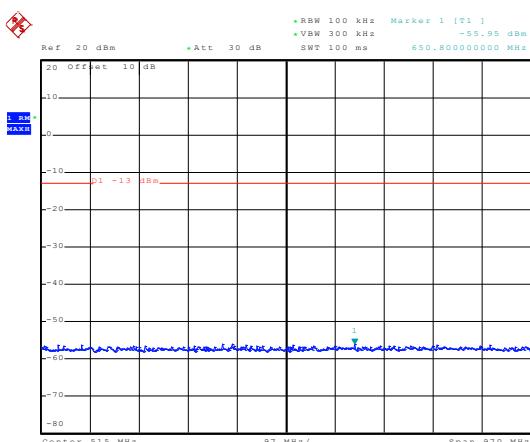
Date: 18.SEP.2014 17:39:23

30MHz~1GHz

Date: 18.SEP.2014 17:51:18

1GHz~27GHz

Test Mode:	LTE band 4(1.4 MHz 16QAM) RB Size 3 & RB Offset 0	Test Channel:	Middle channel
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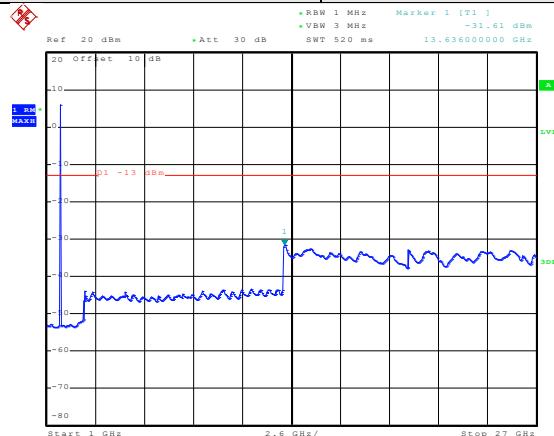
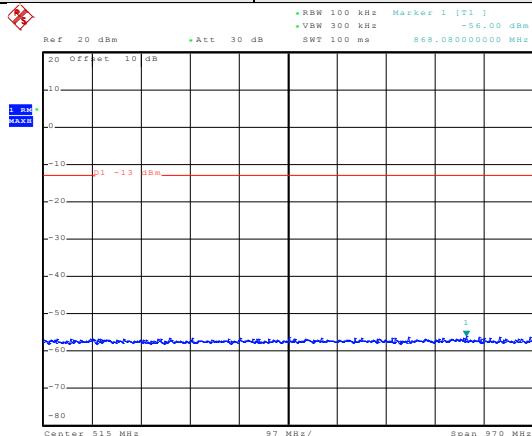
Date: 18.SEP.2014 17:42:30

Date: 18.SEP.2014 17:49:39

30MHz~1GHz

1GHz~27GHz

Test Mode:	LTE band 4(1.4 MHz 16QAM) RB Size 3 & RB Offset 2	Test Channel:	Highest channel
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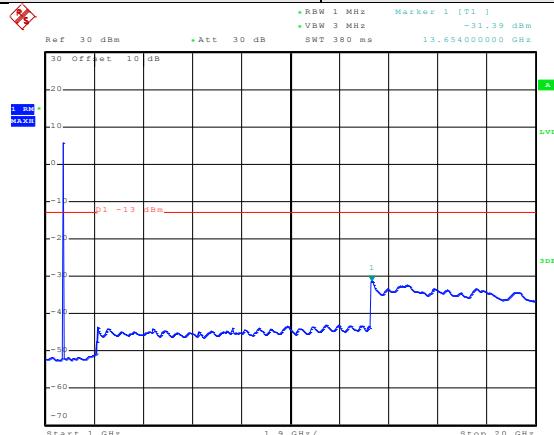
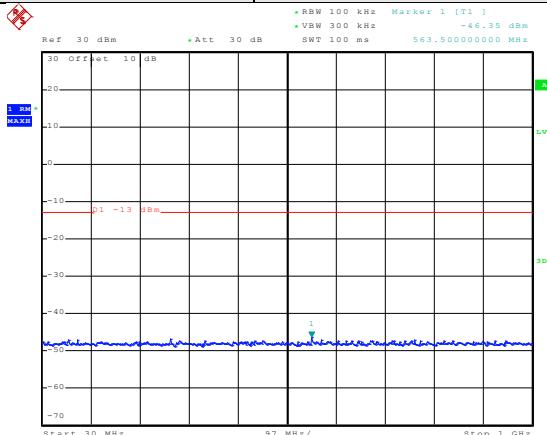
Date: 18.SEP.2014 17:44:05

30MHz~1GHz

Date: 18.SEP.2014 17:45:38

1GHz~27GHz

Test Mode:	LTE band 4(1.4 MHz QPSK) RB Size 6 & RB Offset 0	Test Channel:	Lowest channel
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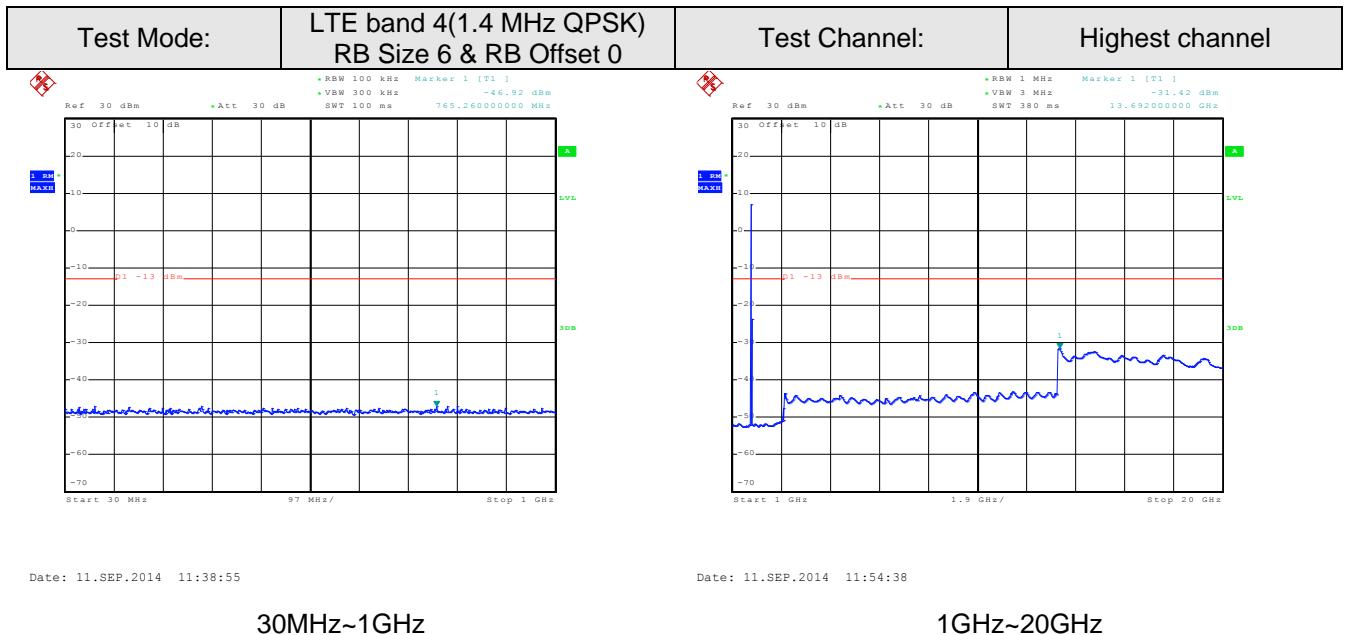
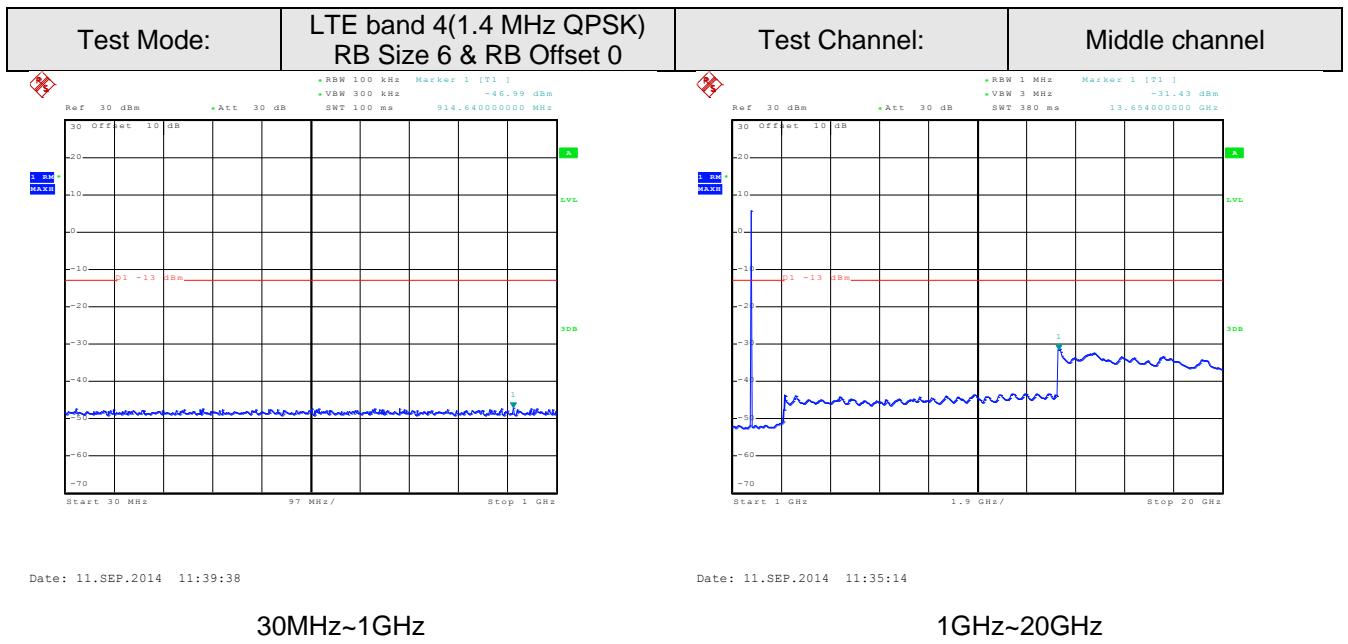


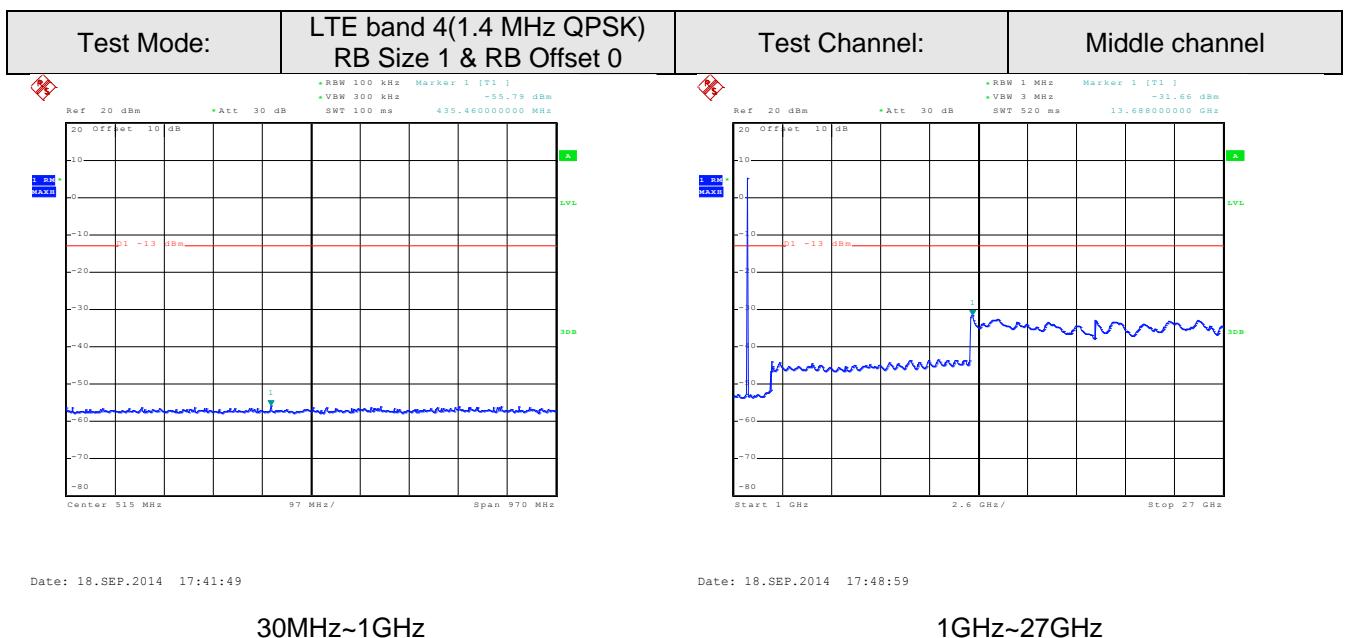
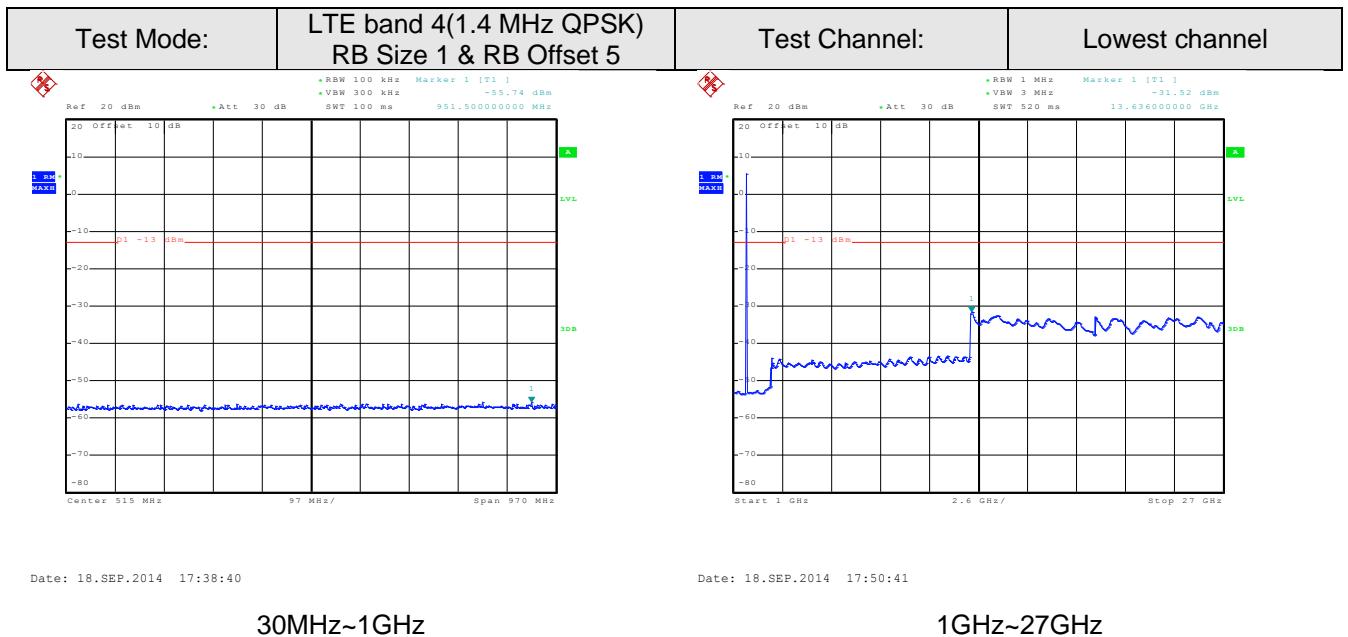
Date: 11.SEP.2014 11:25:34

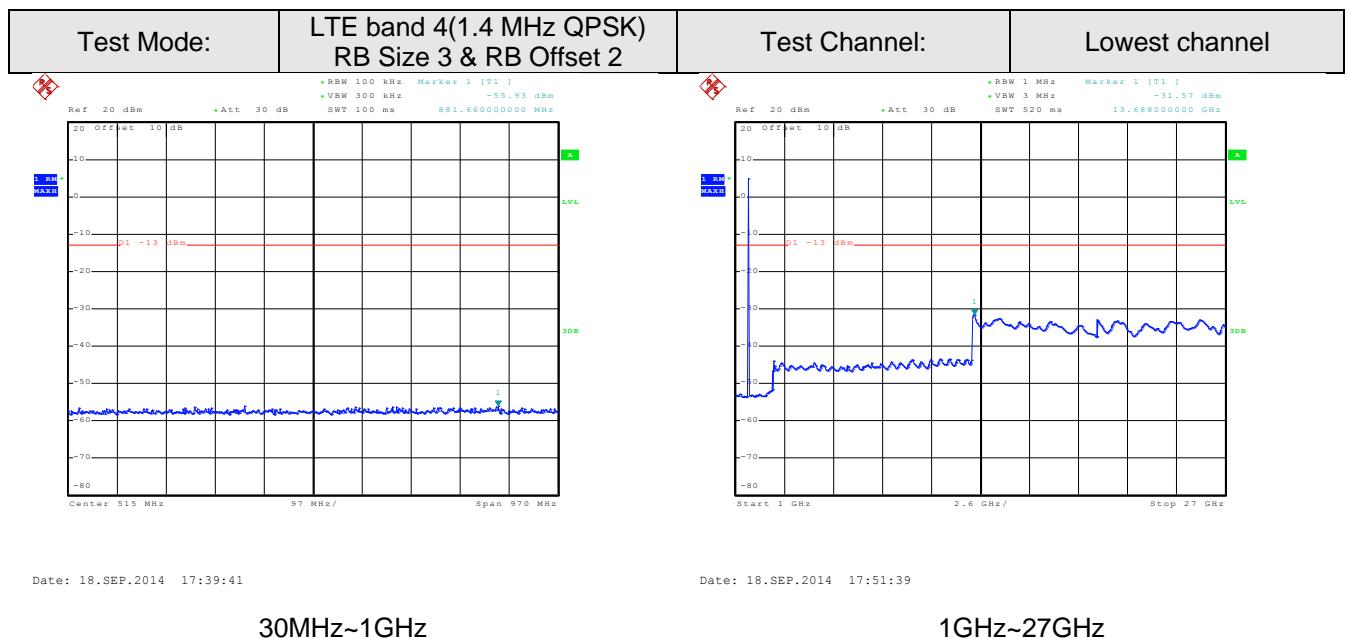
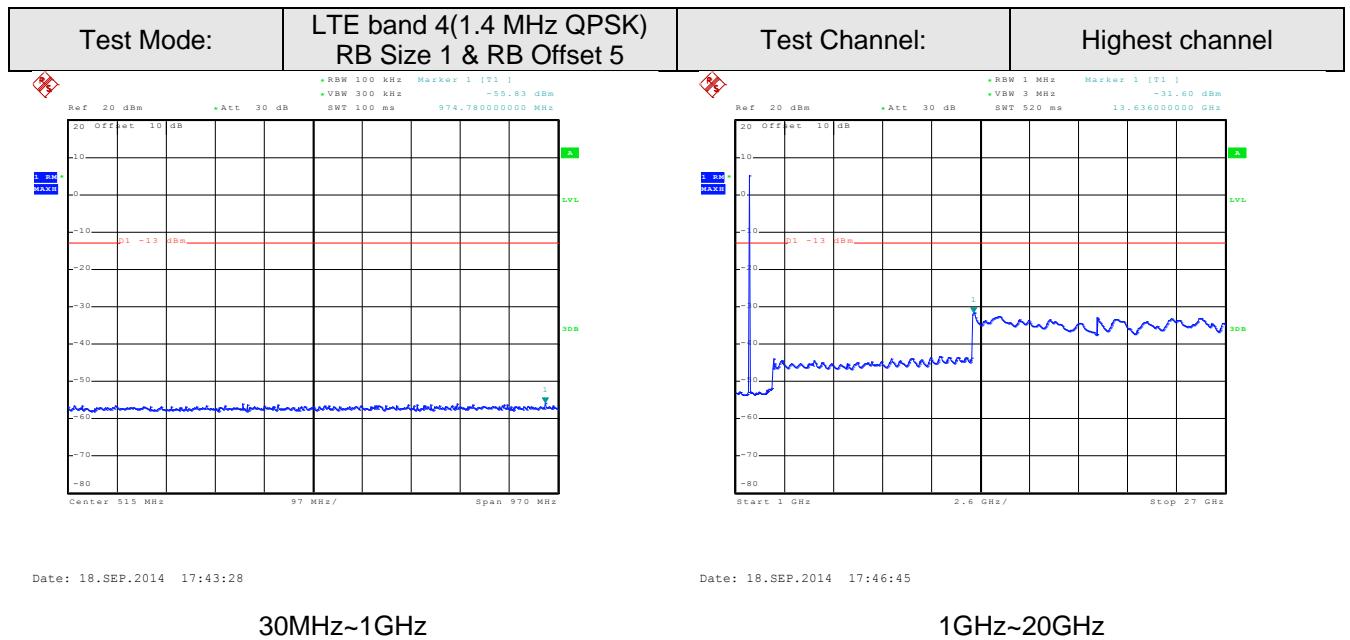
30MHz~1GHz

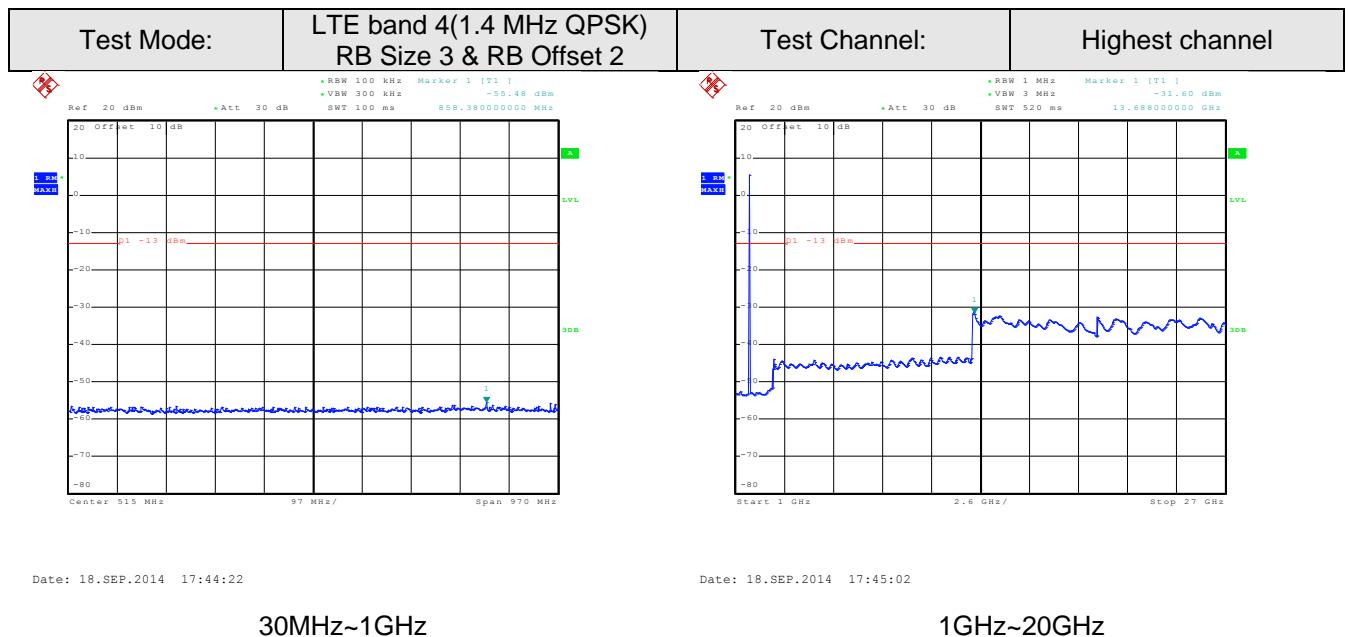
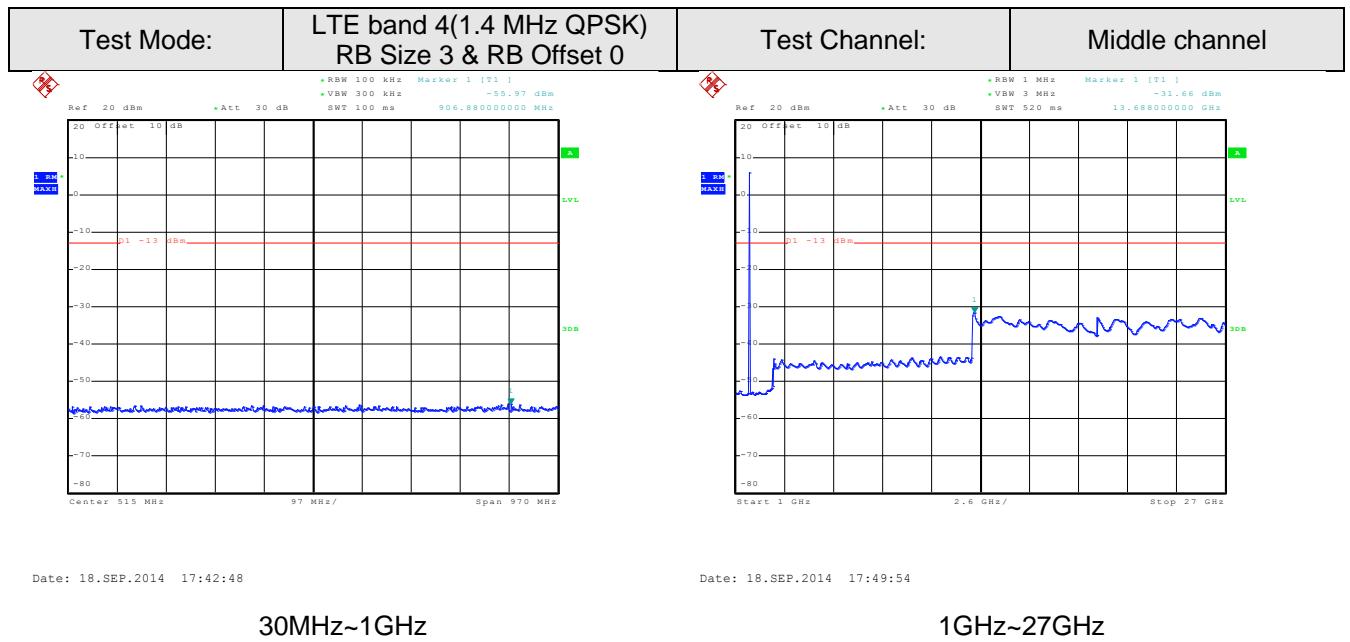
Date: 11.SEP.2014 11:32:27

1GHz~20GHz



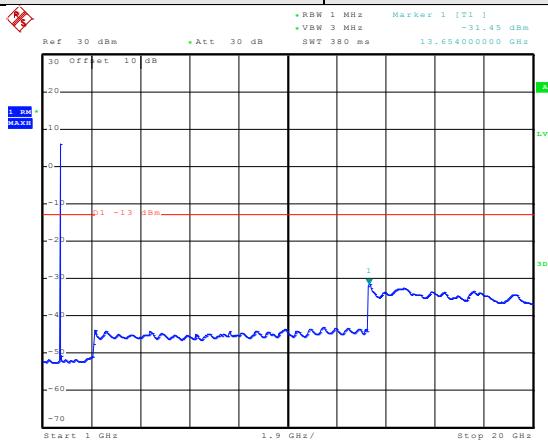
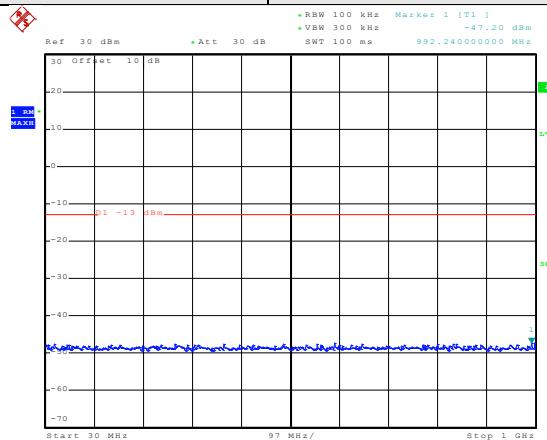






3MHz

Test Mode:	LTE band 4(3MHz 16QAM) RB Size 15 & RB Offset 0	Test Channel:	Lowest channel
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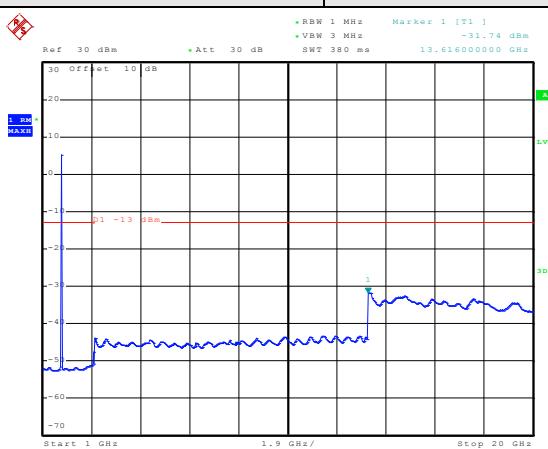
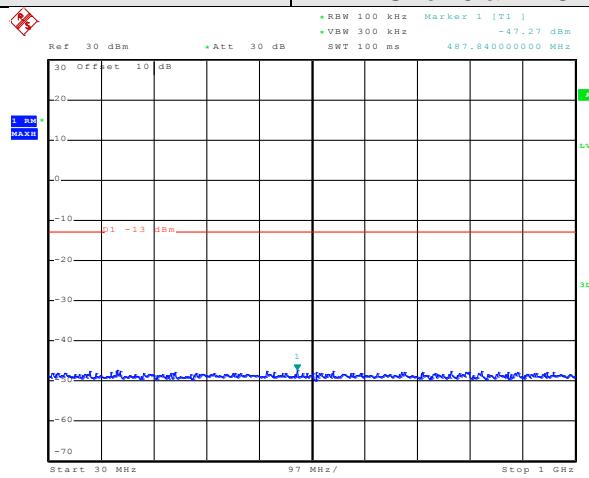
Date: 11.SEP.2014 11:49:46

Date: 11.SEP.2014 11:45:08

30MHz~1GHz

1GHz~20GHz

Test Mode:	LTE band 4(3MHz 16QAM) RB Size 15 & RB Offset 0	Test Channel:	Middle channel
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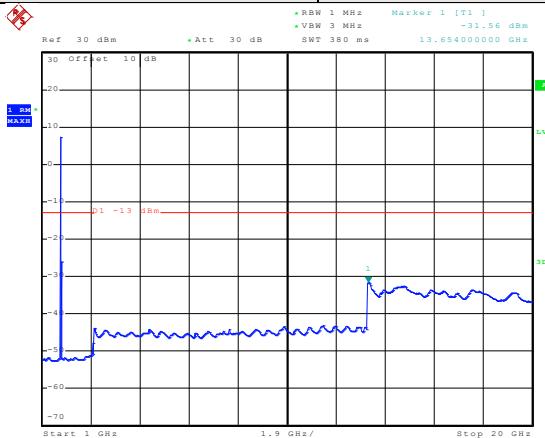
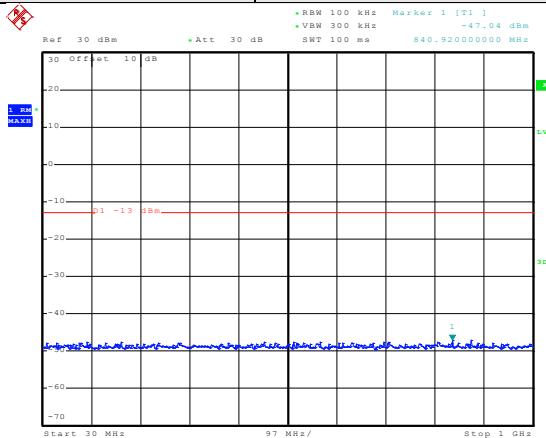
Date: 11.SEP.2014 11:49:05

Date: 11.SEP.2014 11:46:25

30MHz~1GHz

1GHz~20GHz

Test Mode:	LTE band 4(3MHz 16QAM) RB Size 15 & RB Offset 0	Test Channel:	Highest channel
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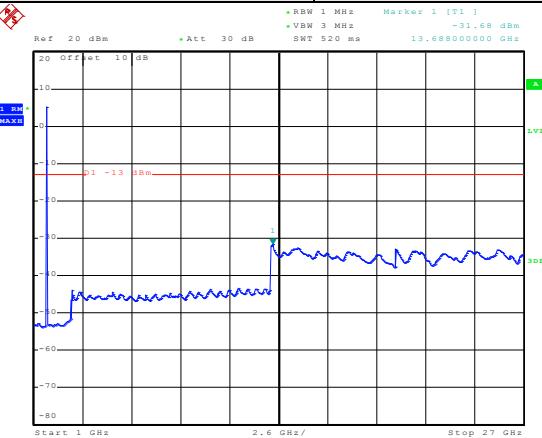
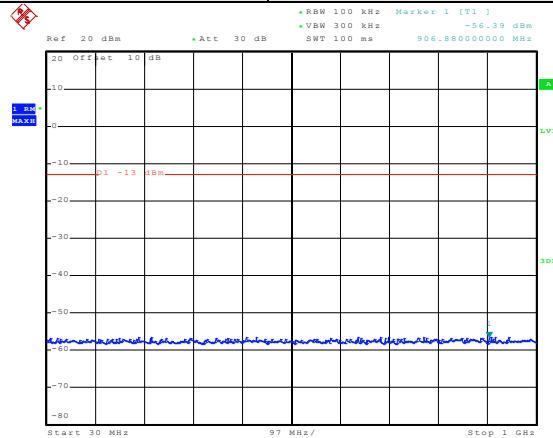
Date: 11.SEP.2014 11:48:20

30MHz~1GHz

Date: 11.SEP.2014 11:47:15

1GHz~20GHz

Test Mode:	LTE band 4(3MHz 16QAM) RB Size 1 & RB Offset 7	Test Channel:	Lowest channel
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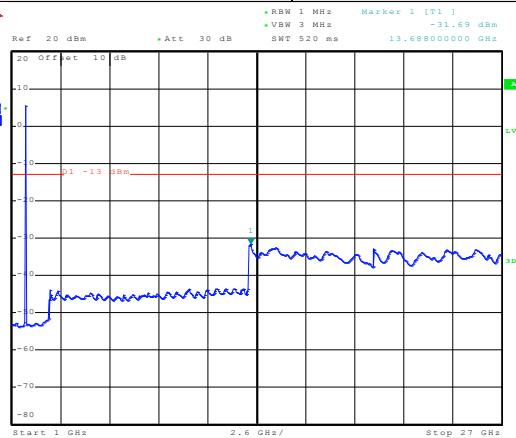
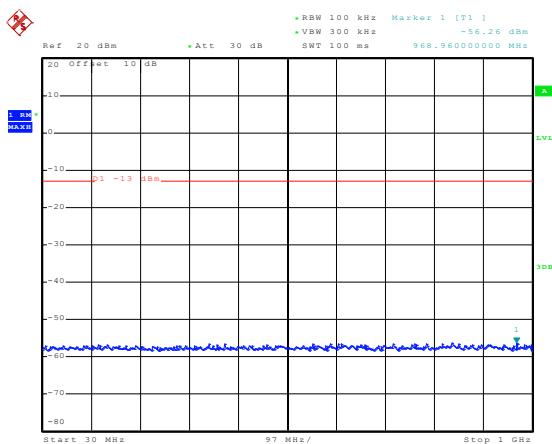
Date: 18.SEP.2014 18:03:15

30MHz~1GHz

Date: 18.SEP.2014 17:53:41

1GHz~20GHz

Test Mode:	LTE band 4(3MHz 16QAM) RB Size 1 & RB Offset 0	Test Channel:	Middle channel
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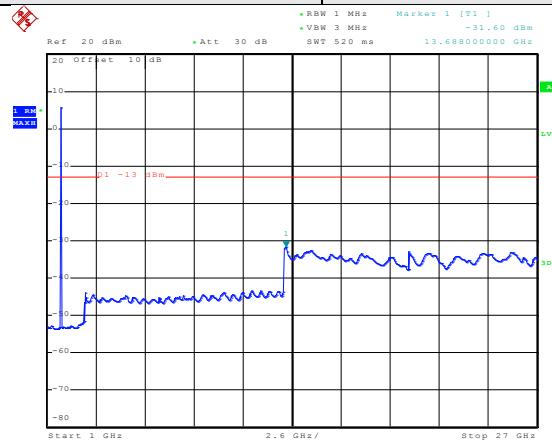
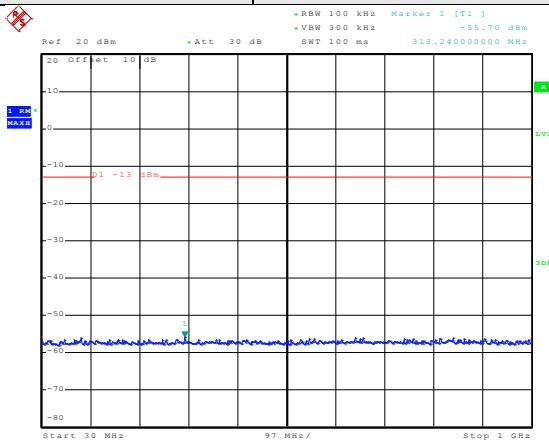
Date: 18.SEP.2014 18:01:37

Date: 18.SEP.2014 17:55:38

30MHz~1GHz

1GHz~27GHz

Test Mode:	LTE band 4(3MHz 16QAM) RB Size 1 & RB Offset 14	Test Channel:	Highest channel
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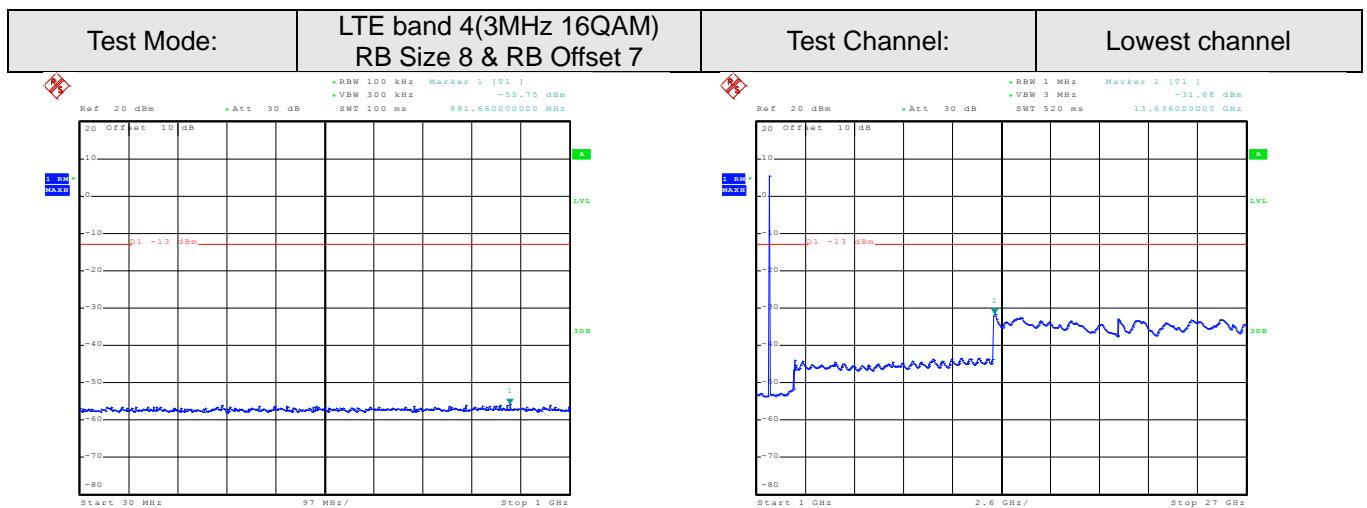


Date: 18.SEP.2014 18:00:04

Date: 18.SEP.2014 17:57:16

30MHz~1GHz

1GHz~27GHz

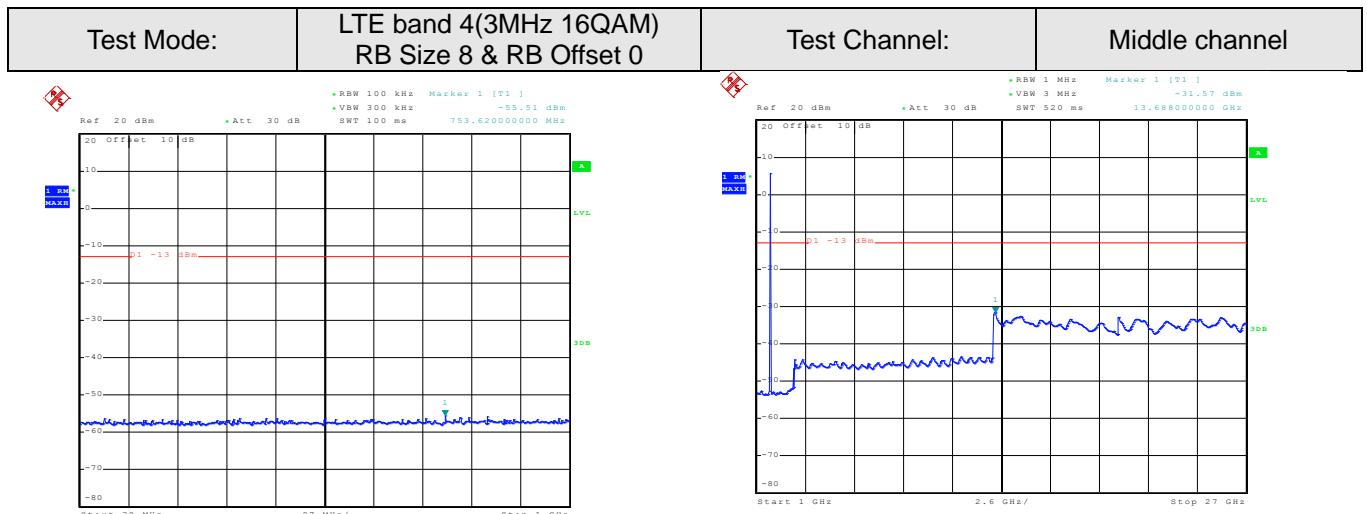


Date: 18.SEP.2014 18:04:13

30MHz~1GHz

Date: 18.SEP.2014 17:54:17

1GHz~27GHz



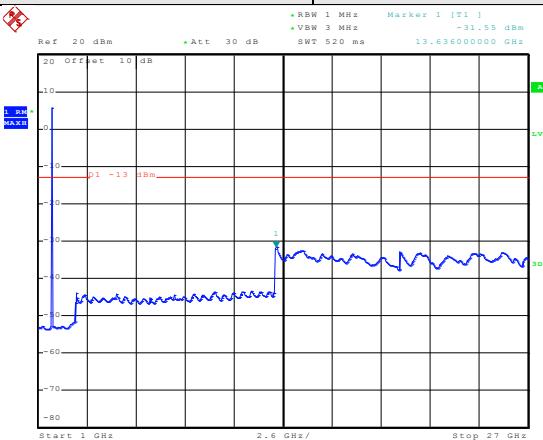
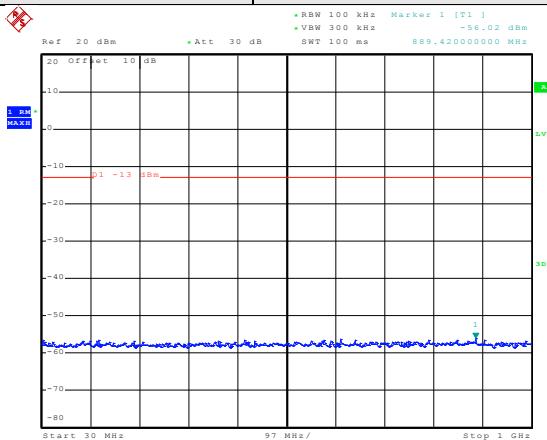
Date: 18.SEP.2014 18:01:58

30MHz~1GHz

Date: 18.SEP.2014 17:55:59

1GHz~27GHz

Test Mode:	Test Channel:	Highest channel
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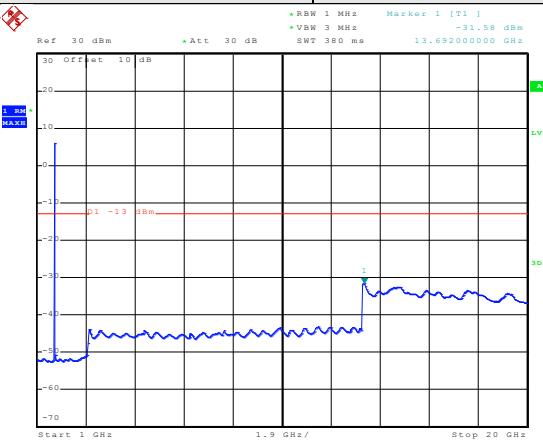
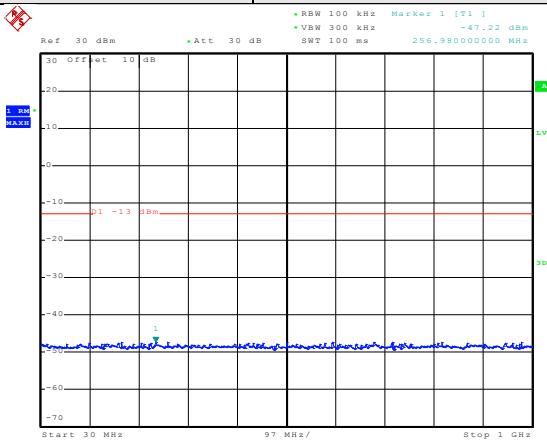
Date: 18.SEP.2014 17:59:27

30MHz~1GHz

Date: 18.SEP.2014 17:57:45

1GHz~27GHz

Test Mode:	Test Channel:	Lowest channel
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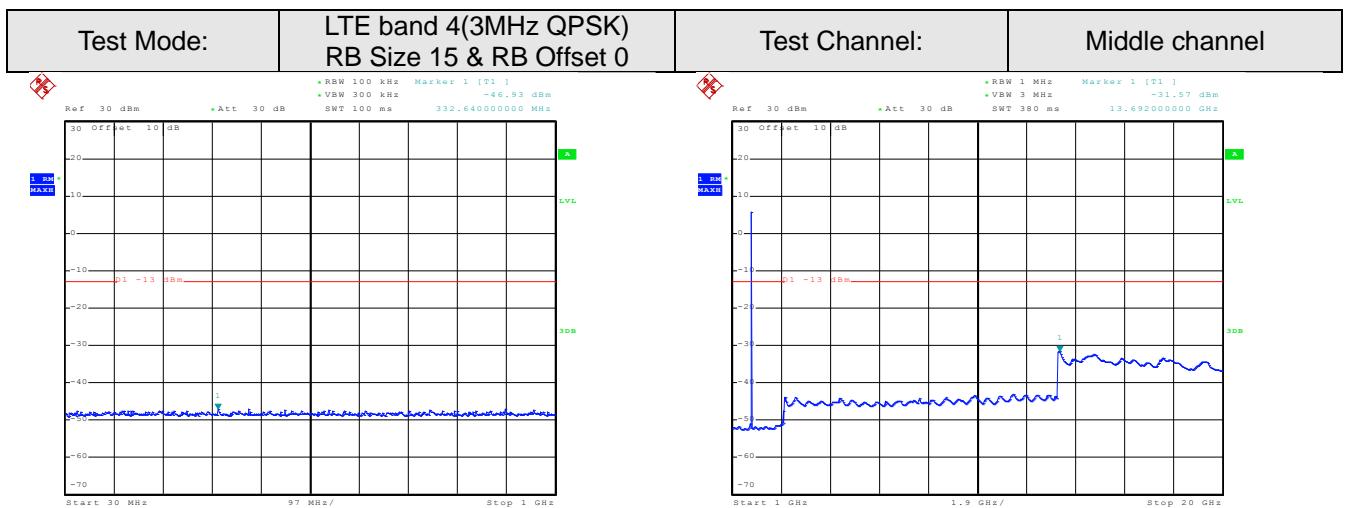


Date: 11.SEP.2014 11:49:32

30MHz~1GHz

Date: 11.SEP.2014 11:44:47

1GHz~20GHz

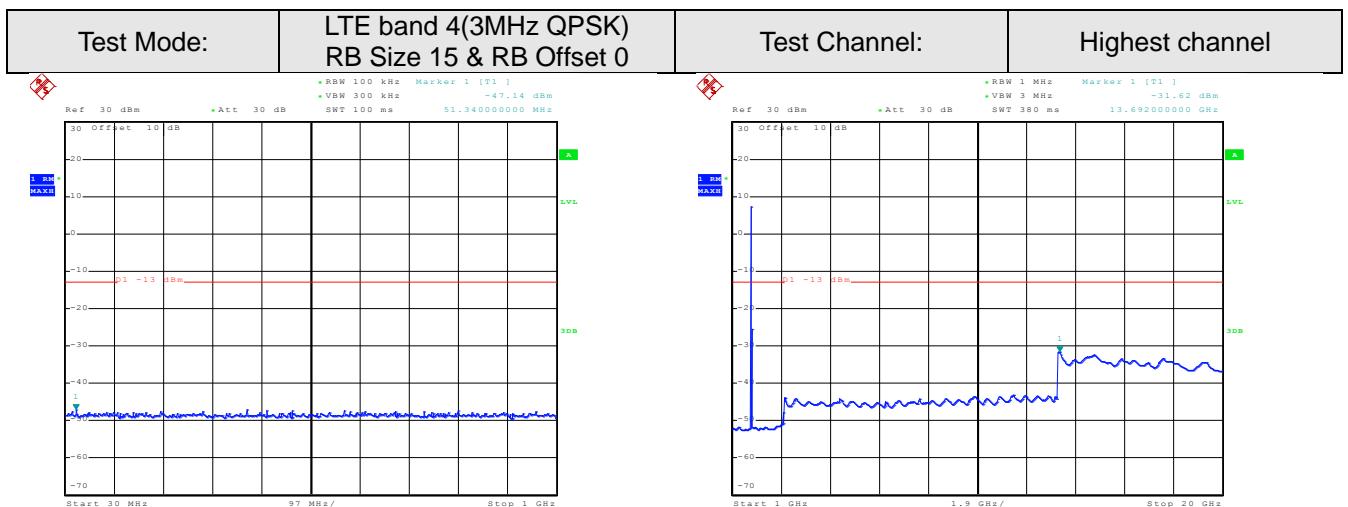


Date: 11.SEP.2014 11:48:51

30MHz~1GHz

Date: 11.SEP.2014 11:45:57

1GHz~20GHz

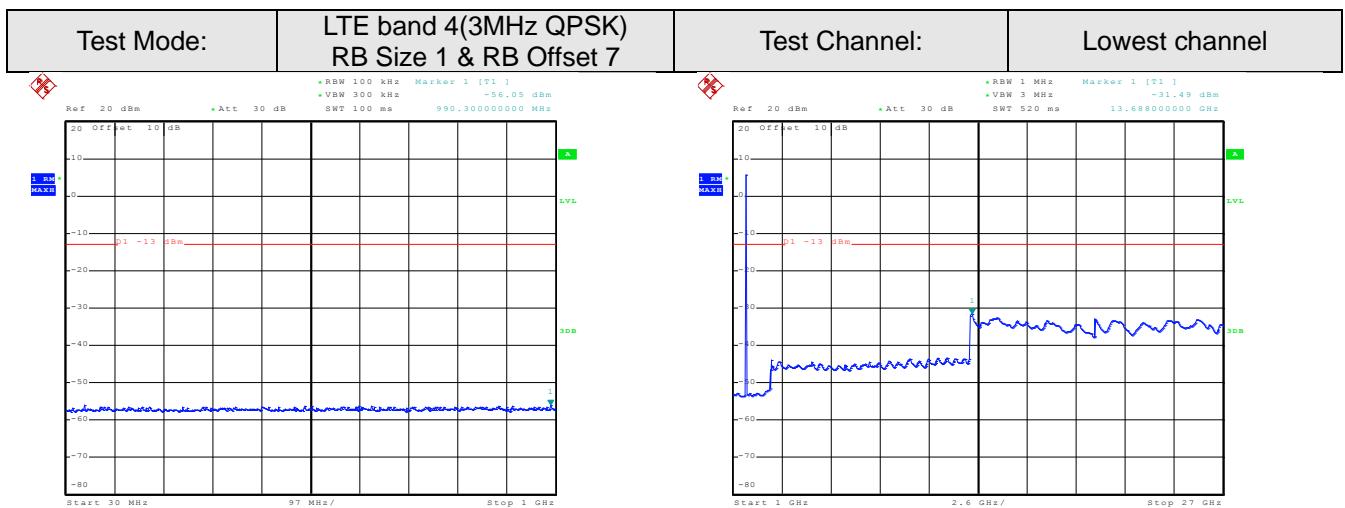


Date: 11.SEP.2014 11:48:06

30MHz~1GHz

Date: 11.SEP.2014 11:46:56

1GHz~20GHz

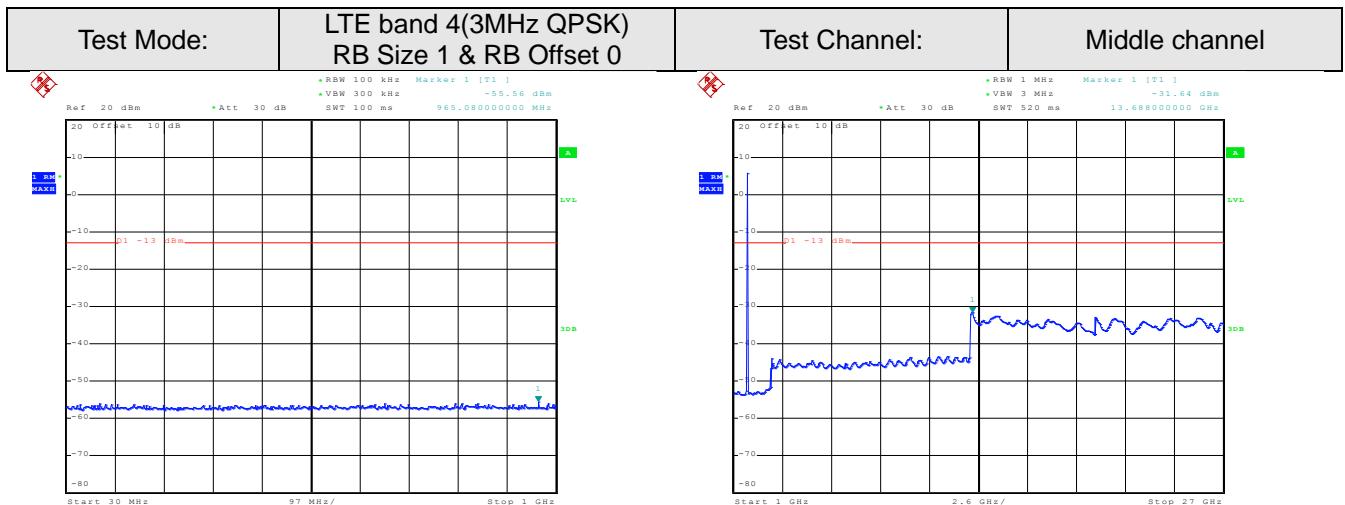


Date: 18.SEP.2014 18:02:58

30MHz~1GHz

Date: 18.SEP.2014 17:53:20

1GHz~27GHz

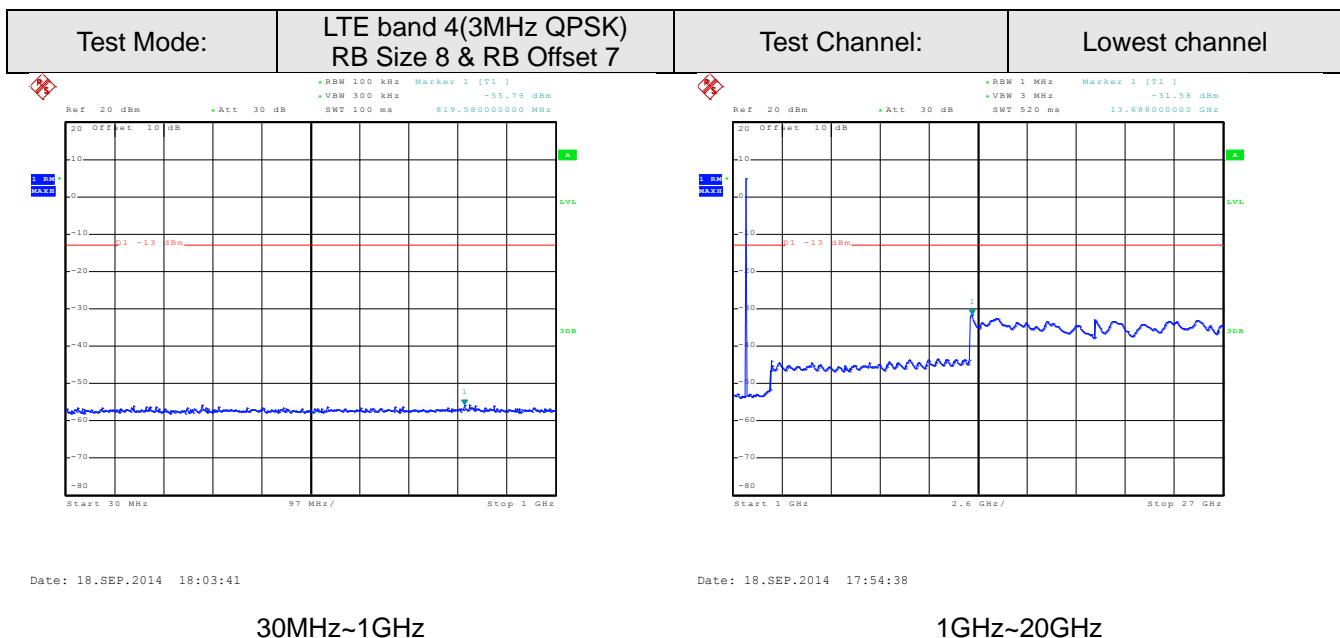
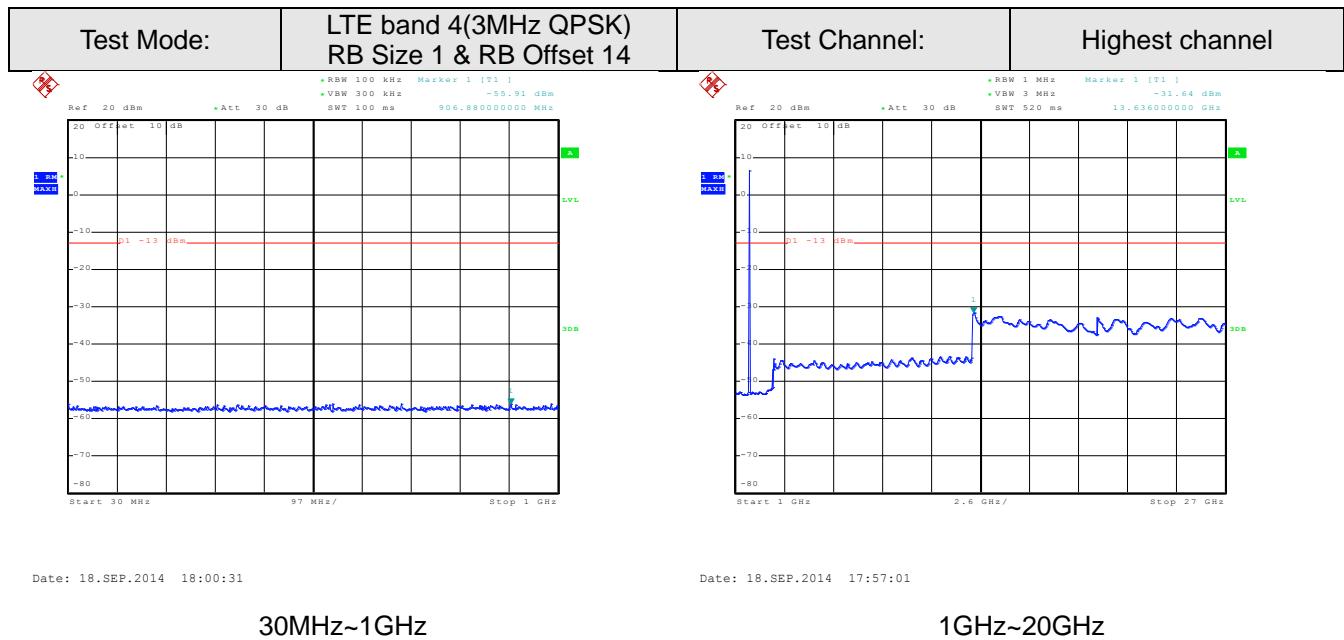


Date: 18.SEP.2014 18:01:22

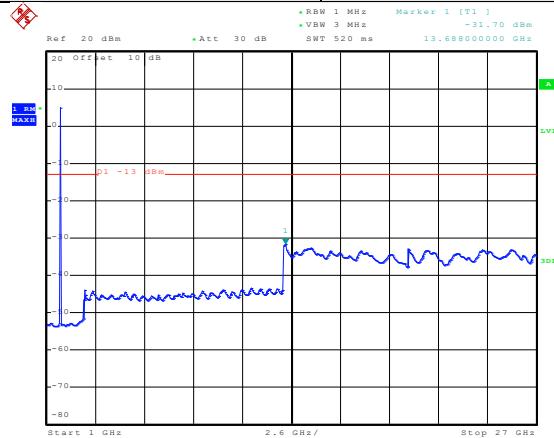
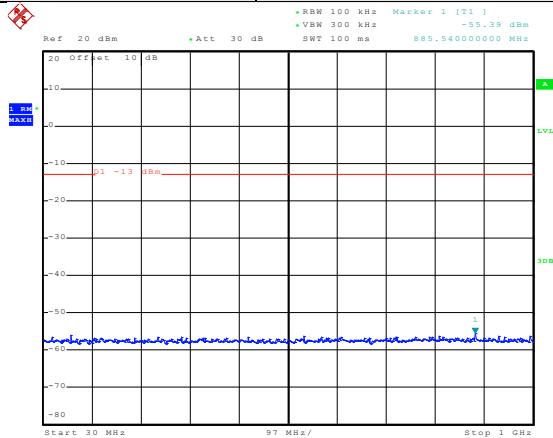
30MHz~1GHz

Date: 18.SEP.2014 17:55:23

1GHz~27GHz



Test Mode:	LTE band 4(3MHz QPSK) RB Size 8 & RB Offset 0	Test Channel:	Middle channel
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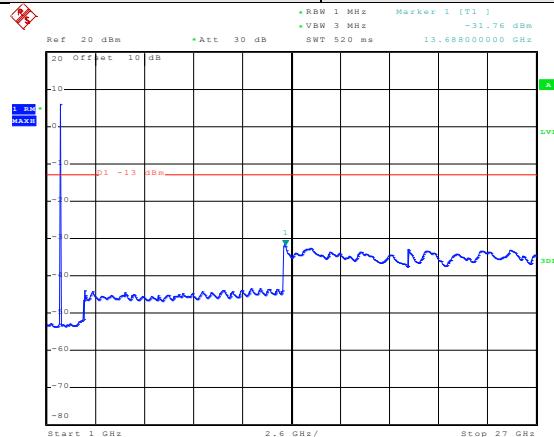
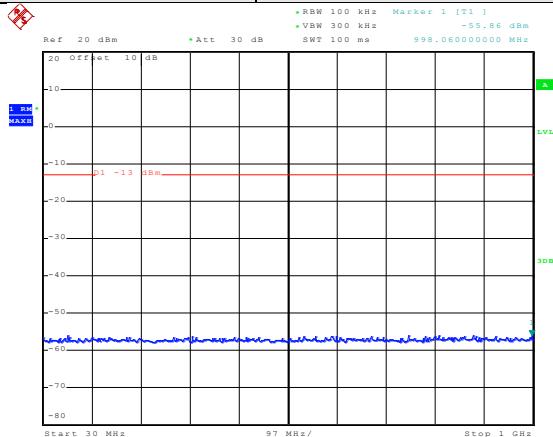
Date: 18.SEP.2014 18:02:13

Date: 18.SEP.2014 17:56:15

30MHz~1GHz

1GHz~27GHz

Test Mode:	LTE band 4(3MHz QPSK) RB Size 8 & RB Offset 7	Test Channel:	Highest channel
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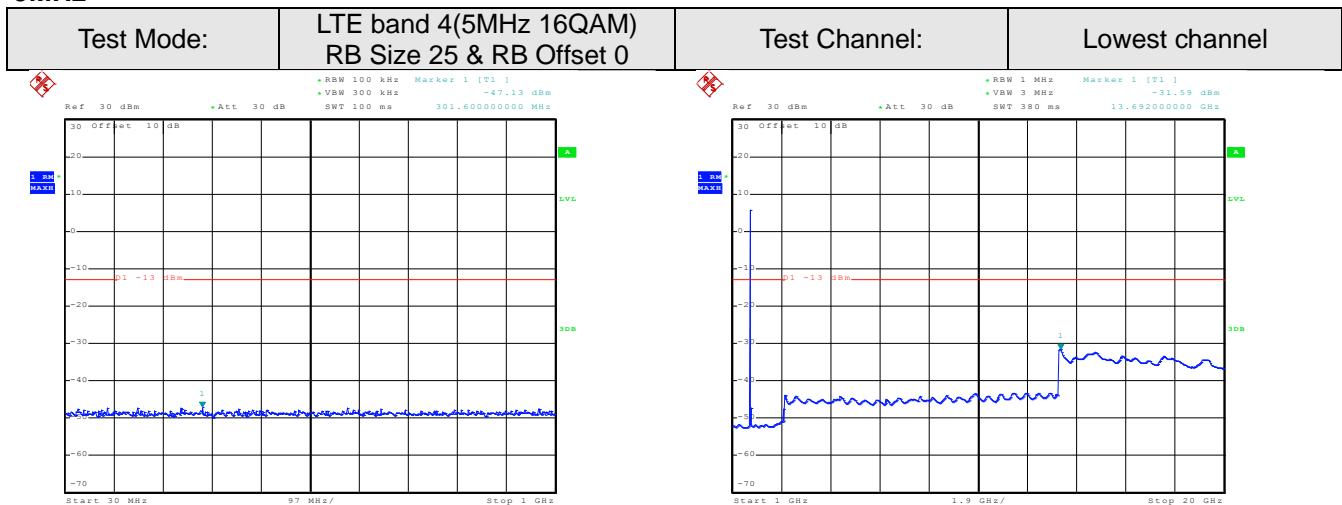
Date: 18.SEP.2014 17:59:11

Date: 18.SEP.2014 17:58:07

30MHz~1GHz

1GHz~27GHz

5MHz

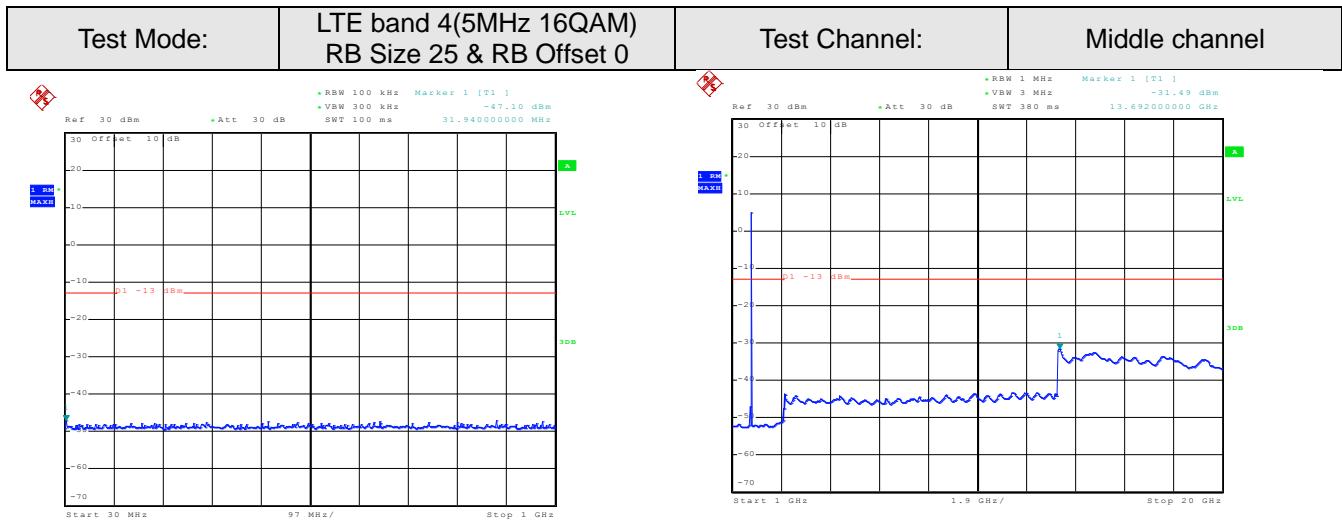


Date: 11.SEP.2014 11:59:49

30MHz~1GHz

Date: 11.SEP.2014 11:56:09

1GHz~20GHz



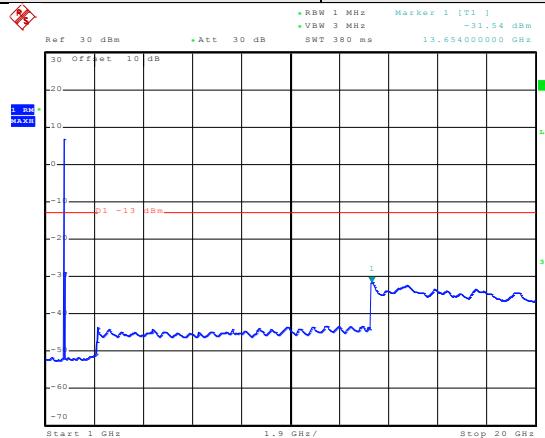
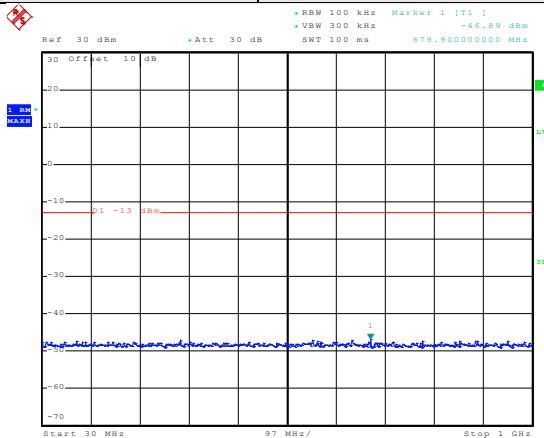
Date: 11.SEP.2014 11:59:31

30MHz~1GHz

Date: 11.SEP.2014 11:57:25

1GHz~20GHz

Test Mode:	LTE band 4(5MHz 16QAM) RB Size 25 & RB Offset 0	Test Channel:	Highest channel
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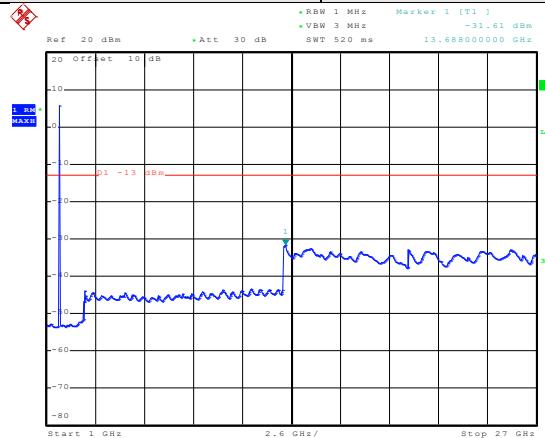
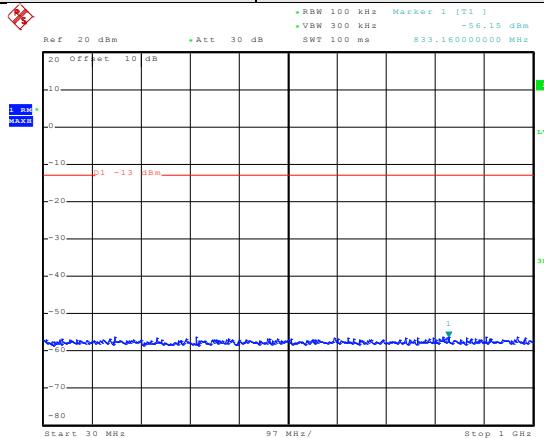
Date: 11.SEP.2014 11:58:56

30MHz~1GHz

Date: 11.SEP.2014 11:58:23

1GHz~20GHz

Test Mode:	LTE band 4(5MHz 16QAM) RB Size 1 & RB Offset 24	Test Channel:	Lowest channel
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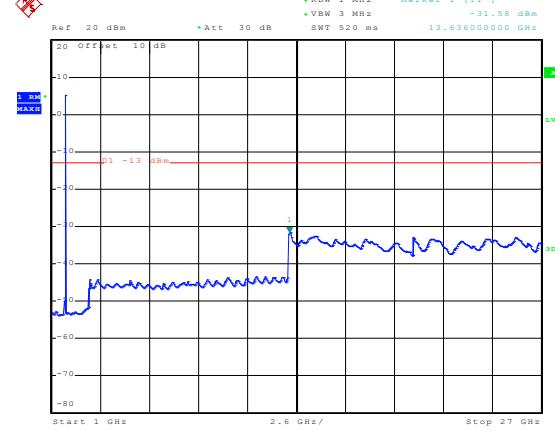
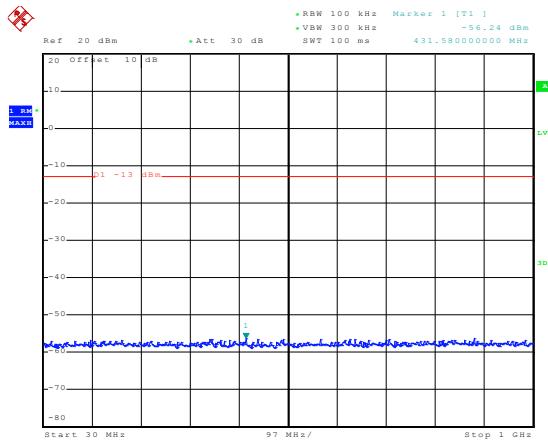
Date: 18.SEP.2014 18:06:18

30MHz~1GHz

Date: 18.SEP.2014 18:17:38

1GHz~27GHz

Test Mode:	LTE band 4(5MHz 16QAM) RB Size 1 & RB Offset 0	Test Channel:	Middle channel
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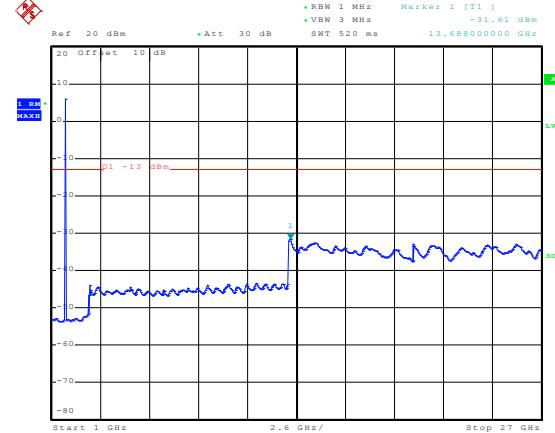
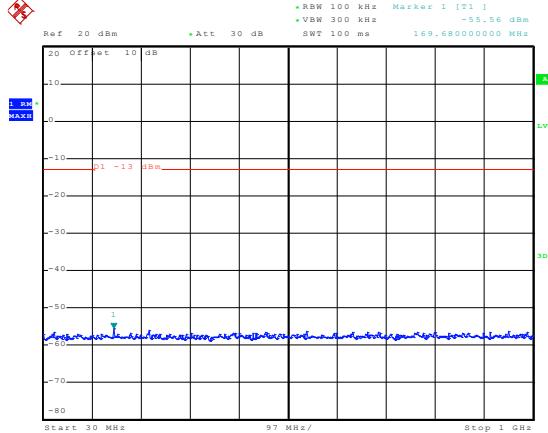
Date: 18.SEP.2014 18:07:50

Date: 18.SEP.2014 18:15:31

30MHz~1GHz

1GHz~27GHz

Test Mode:	LTE band 4(5MHz 16QAM) RB Size 1 & RB Offset 24	Test Channel:	Highest channel
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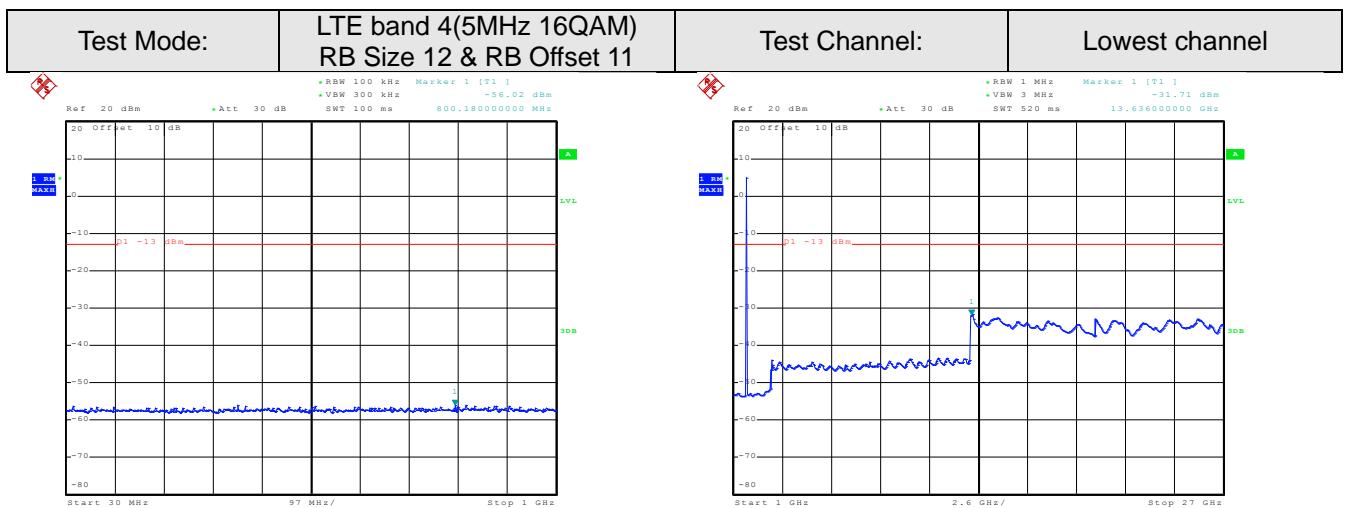


Date: 18.SEP.2014 18:09:24

Date: 18.SEP.2014 18:13:22

30MHz~1GHz

1GHz~27GHz

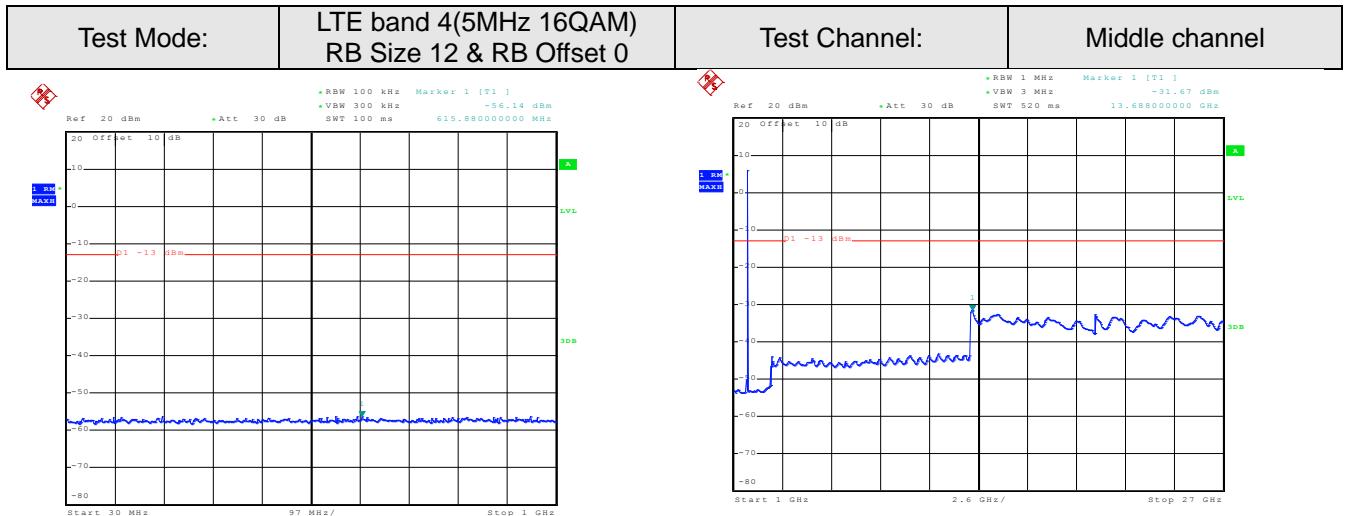


Date: 18.SEP.2014 18:06:45

30MHz~1GHz

Date: 18.SEP.2014 18:18:27

1GHz~27GHz



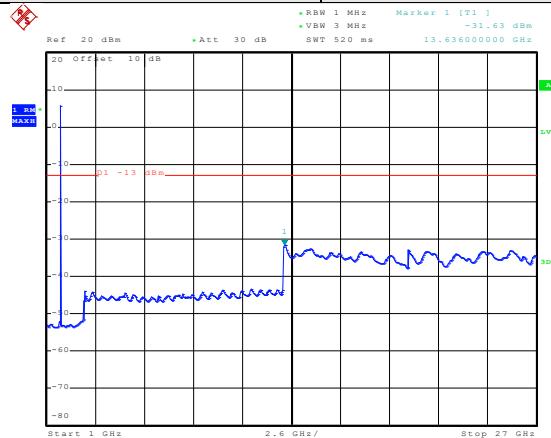
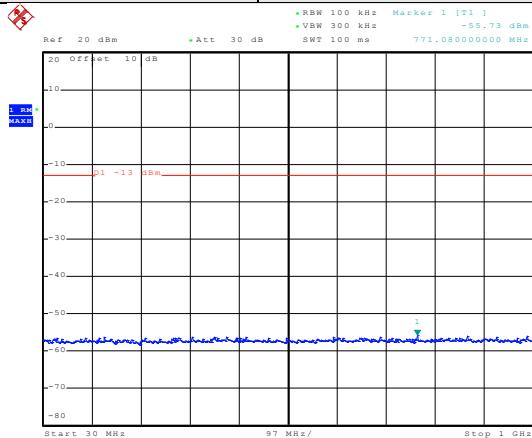
Date: 18.SEP.2014 18:08:11

30MHz~1GHz

Date: 18.SEP.2014 18:15:56

1GHz~27GHz

Test Mode:	LTE band 4(5MHz 16QAM) RB Size 12 & RB Offset 11	Test Channel:	Highest channel
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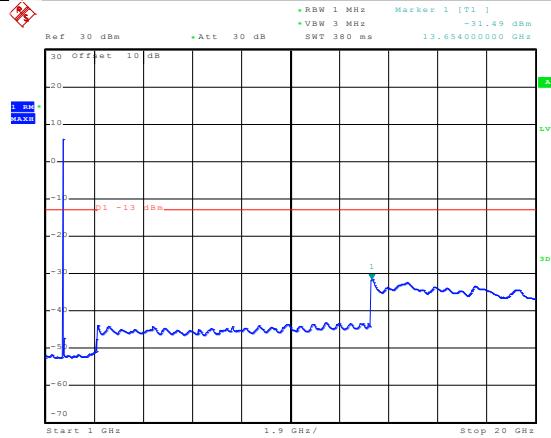
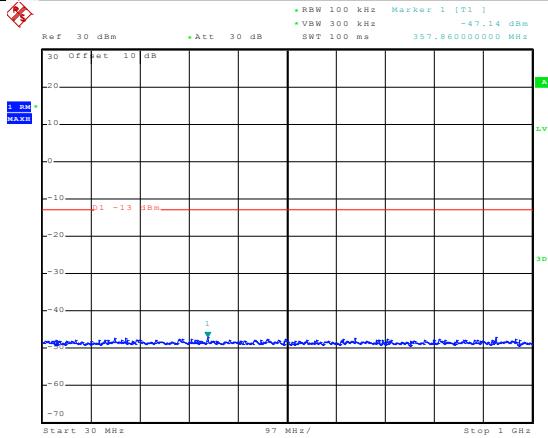
Date: 18.SEP.2014 18:09:50

30MHz~1GHz

Date: 18.SEP.2014 18:12:48

1GHz~27GHz

Test Mode:	LTE band 4(5MHz QPSK) RB Size 25 & RB Offset 0	Test Channel:	Lowest channel
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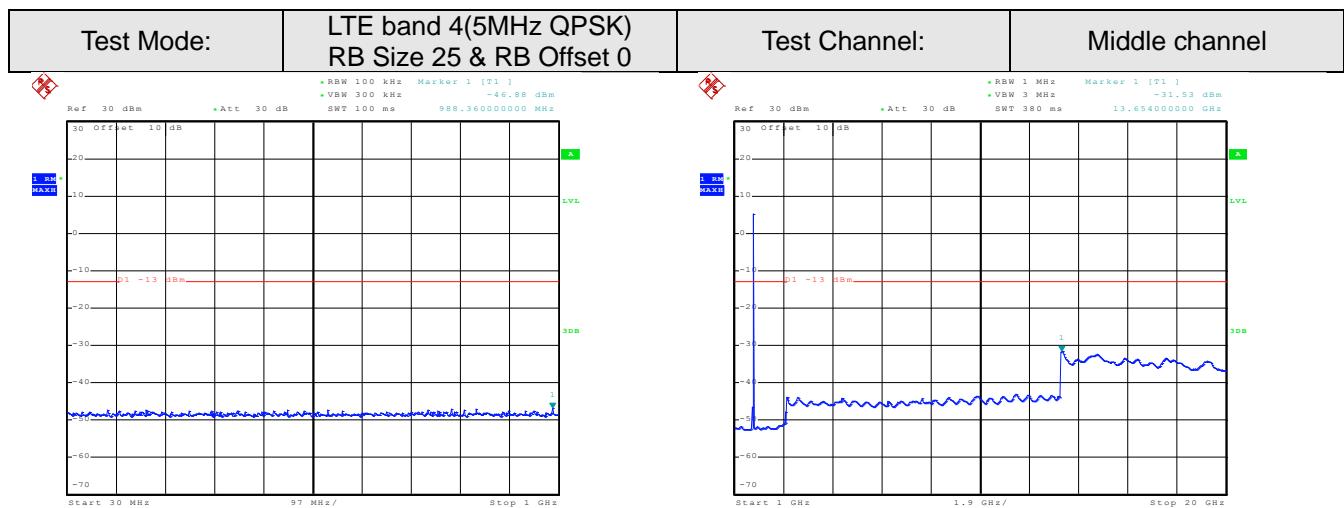


Date: 11.SEP.2014 11:59:42

30MHz~1GHz

Date: 11.SEP.2014 11:56:33

1GHz~20GHz

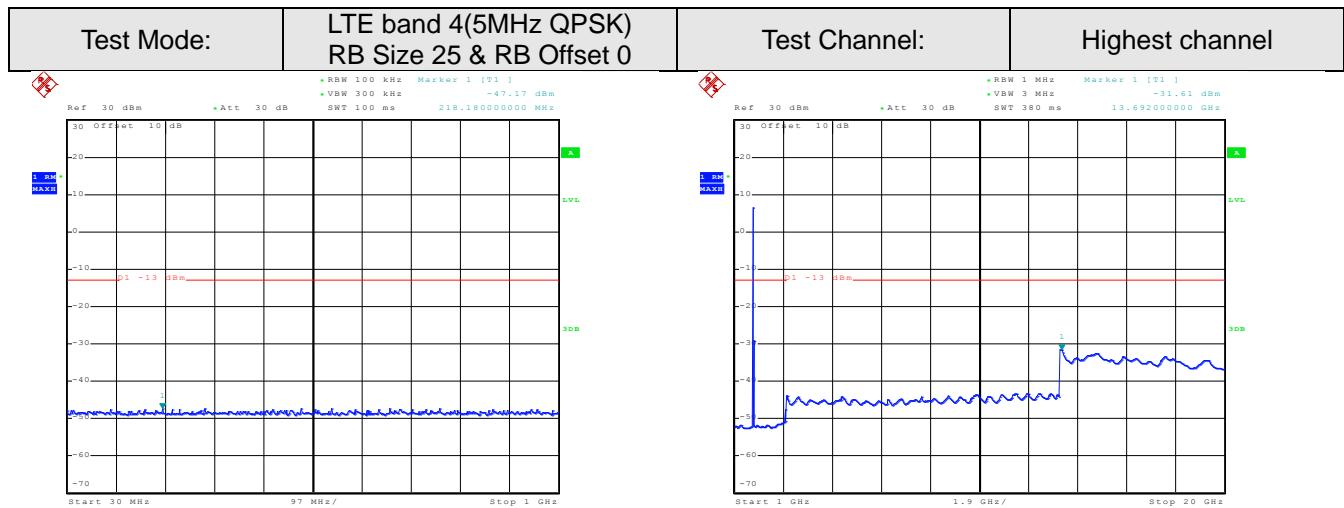


Date: 11.SEP.2014 11:59:24

30MHz~1GHz

Date: 11.SEP.2014 11:57:08

1GHz~20GHz



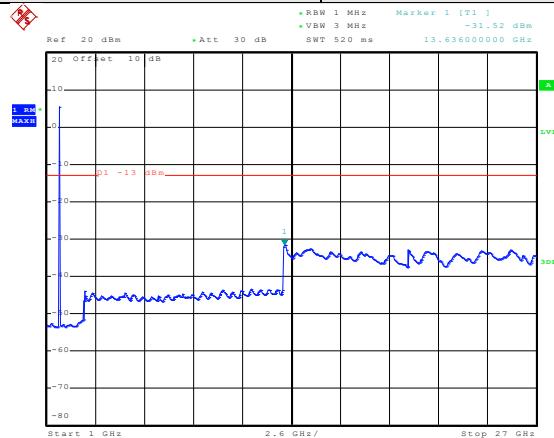
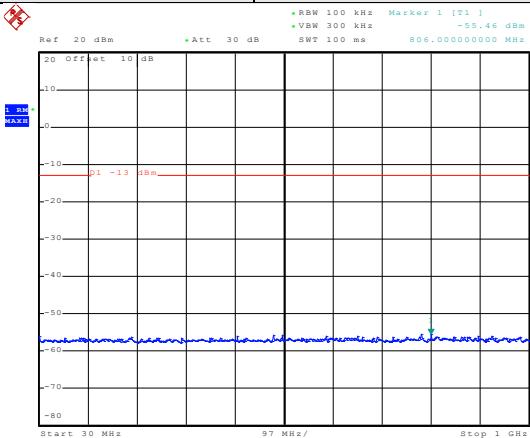
Date: 11.SEP.2014 11:59:10

30MHz~1GHz

Date: 11.SEP.2014 11:57:57

1GHz~20GHz

Test Mode:	LTE band 4(5MHz QPSK) RB Size 1 & RB Offset 24	Test Channel:	Lowest channel
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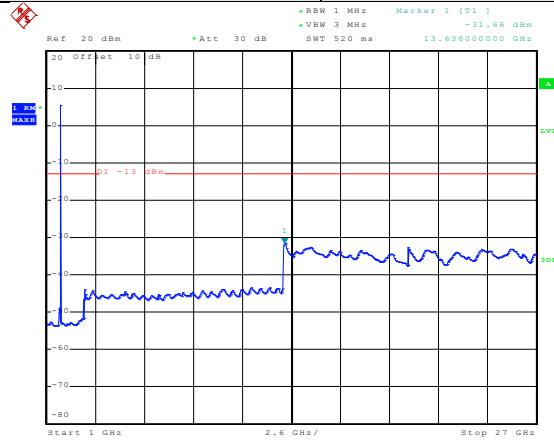
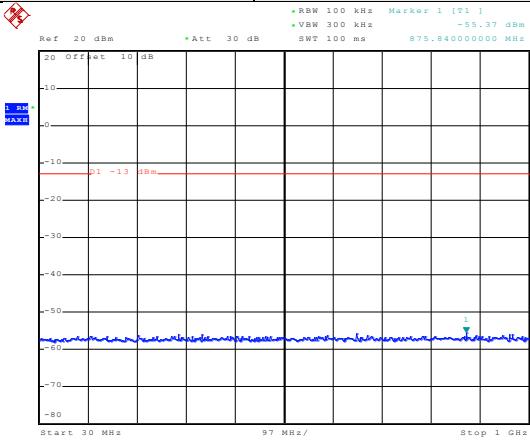
Date: 18.SEP.2014 18:06:03

30MHz~1GHz

Date: 18.SEP.2014 18:17:12

1GHz~27GHz

Test Mode:	LTE band 4(5MHz QPSK) RB Size 1 & RB Offset 0	Test Channel:	Middle channel
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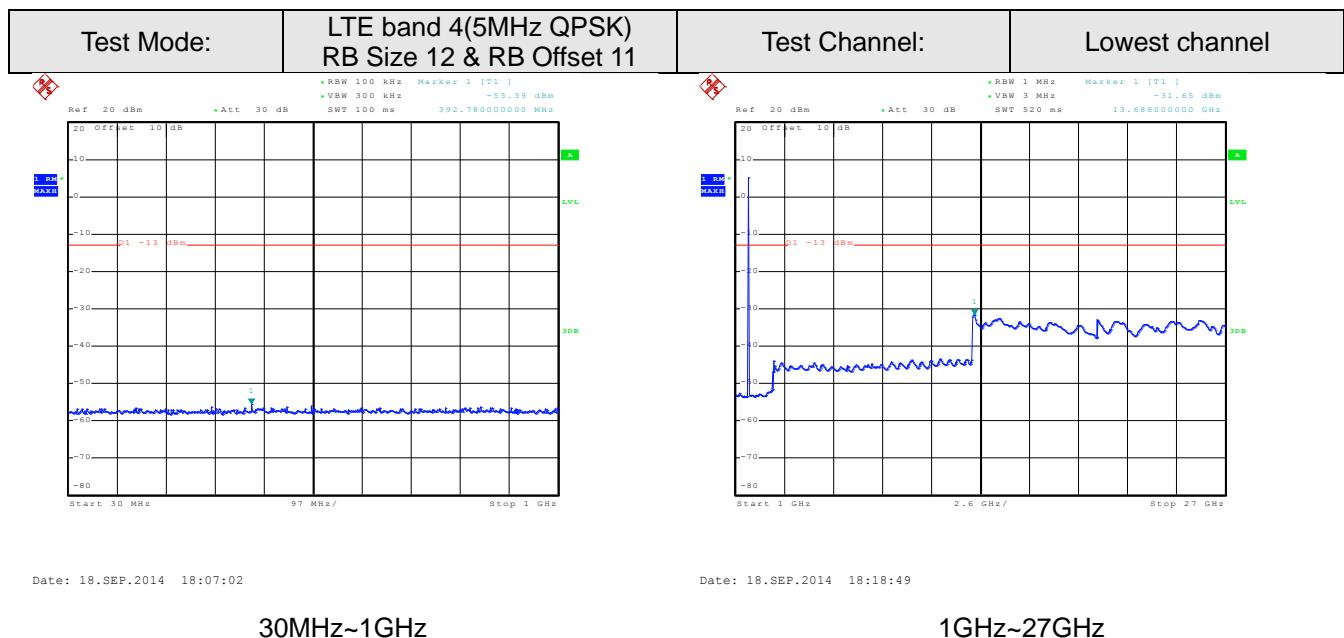
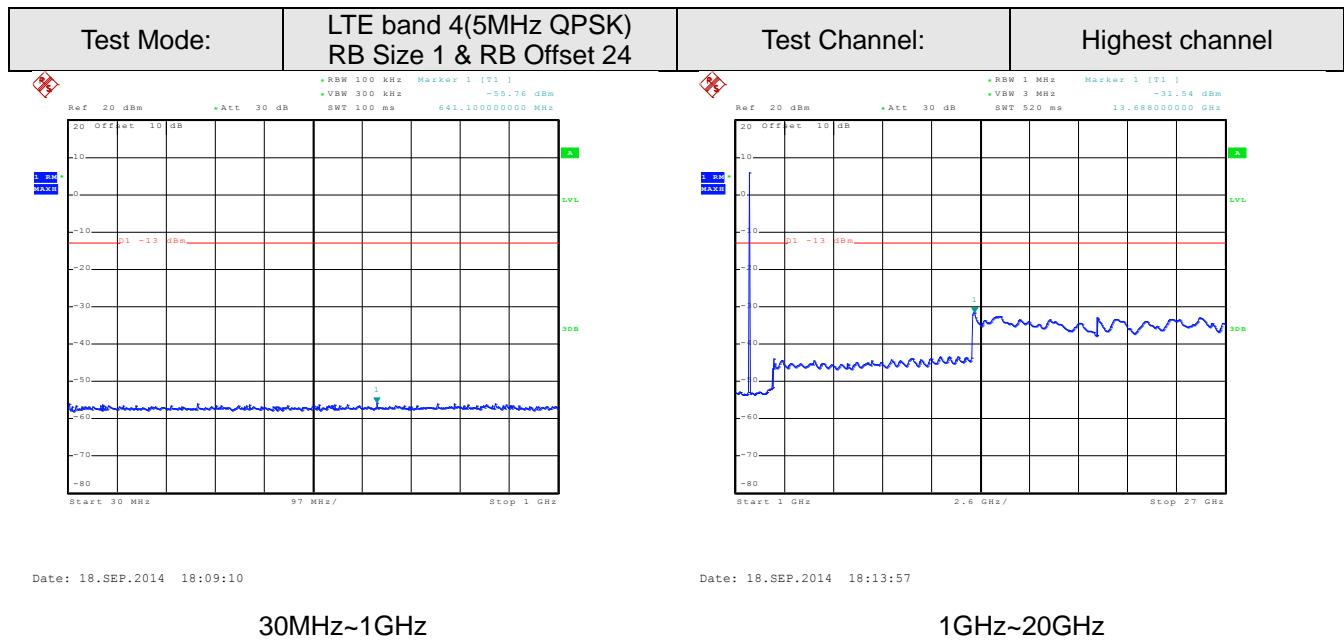


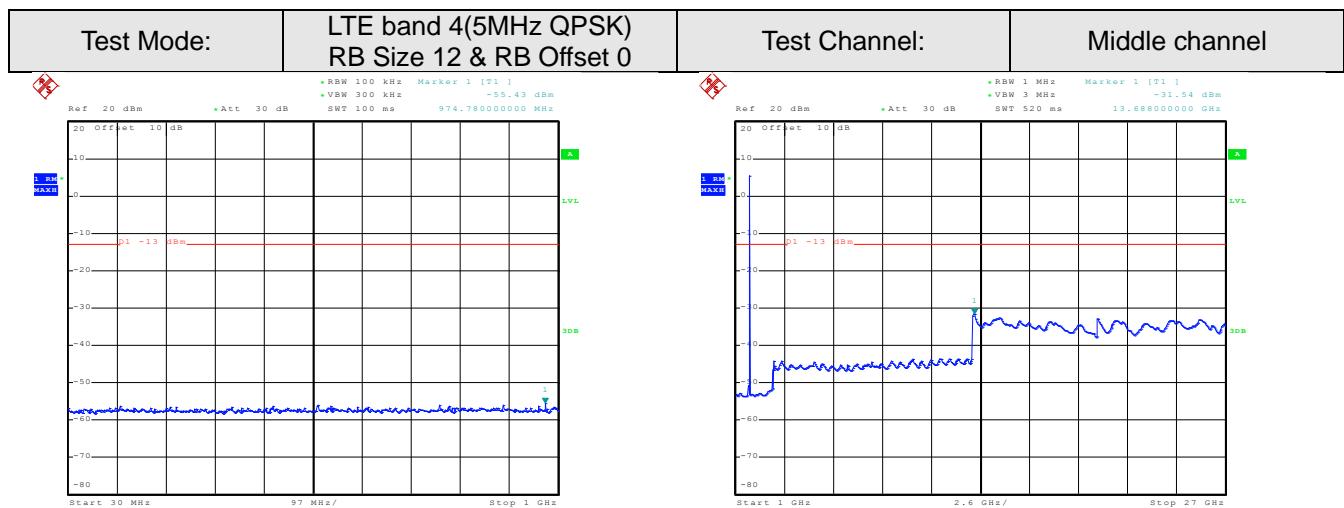
Date: 18.SEP.2014 18:07:41

30MHz~1GHz

Date: 18.SEP.2014 18:15:06

1GHz~27GHz



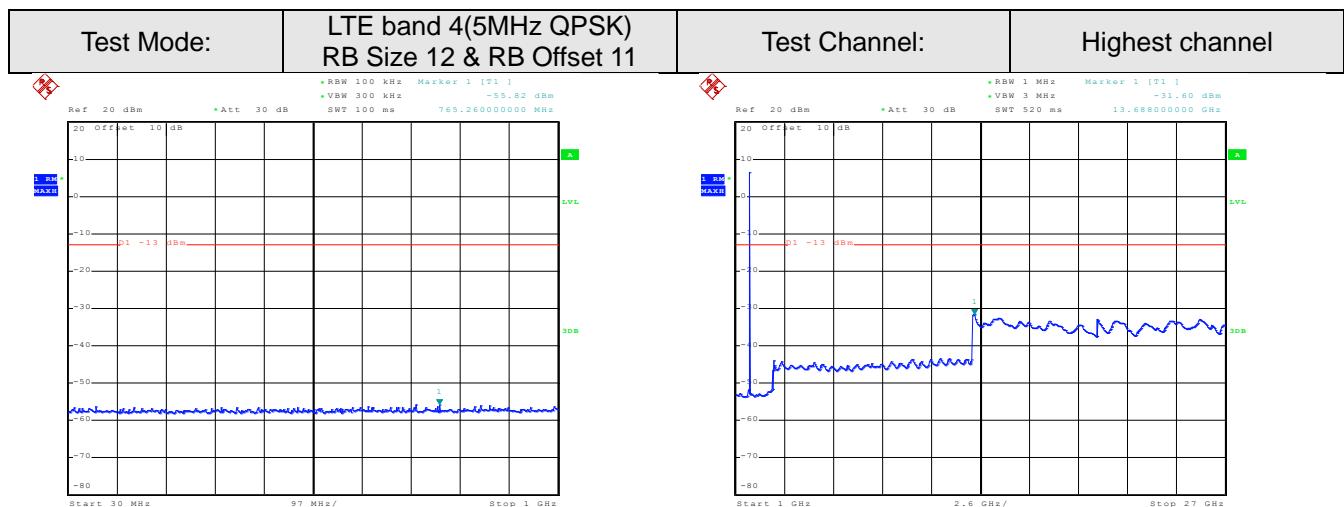


Date: 18.SEP.2014 18:08:30

30MHz~1GHz

Date: 18.SEP.2014 18:16:23

1GHz~27GHz



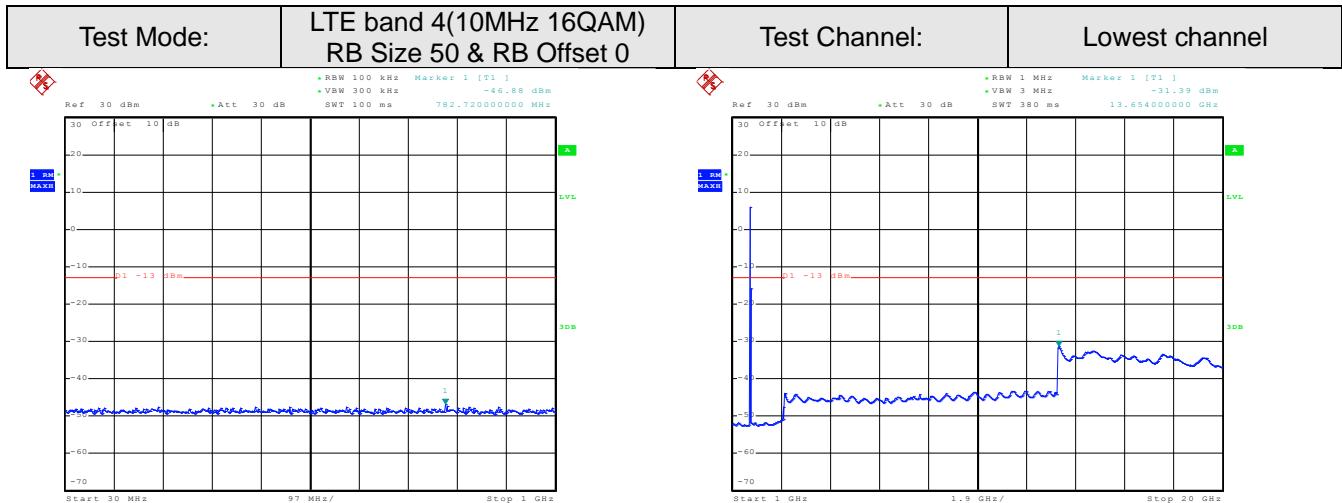
Date: 18.SEP.2014 18:10:11

30MHz~1GHz

Date: 18.SEP.2014 18:12:19

1GHz~27GHz

10MHz

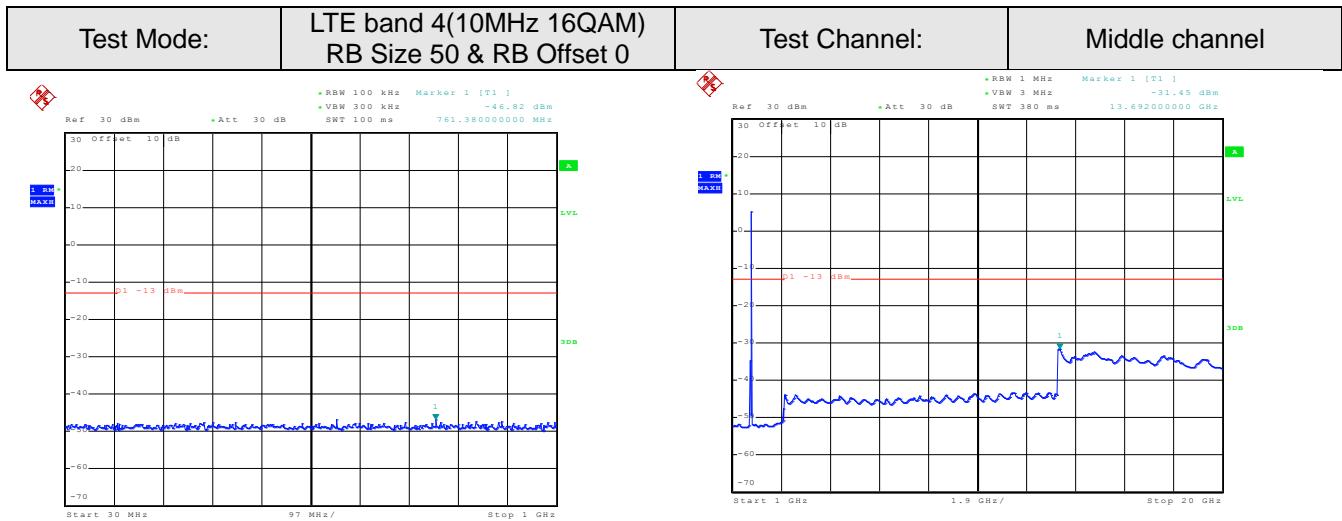


Date: 11.SEP.2014 12:01:43

Date: 11.SEP.2014 12:03:15

30MHz~1GHz

1GHz~20GHz



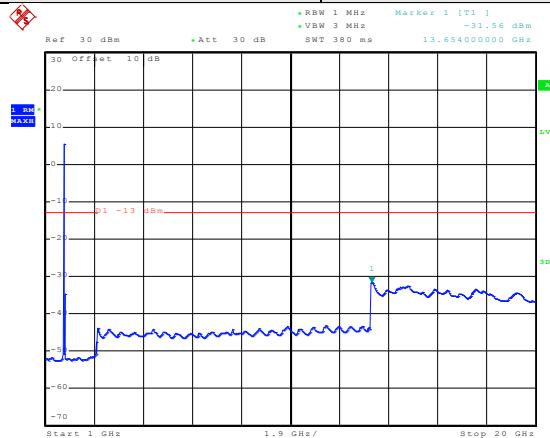
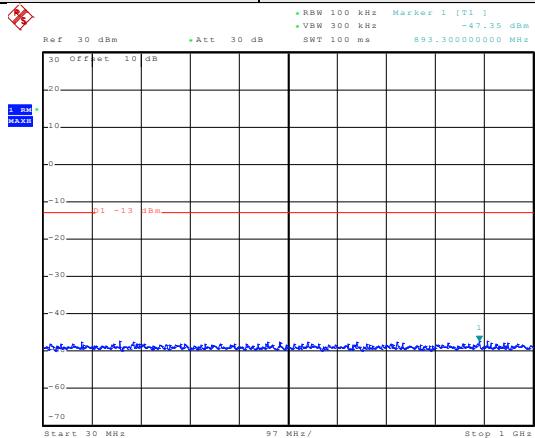
Date: 11.SEP.2014 12:02:04

Date: 11.SEP.2014 12:04:56

30MHz~1GHz

1GHz~20GHz

Test Mode:	LTE band 4(10MHz 16QAM) RB Size 50 & RB Offset 0	Test Channel:	Highest channel
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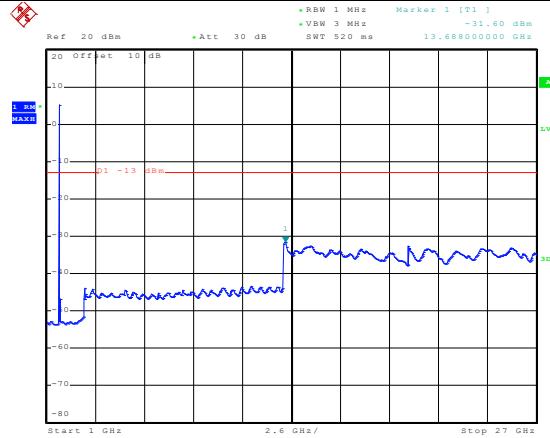
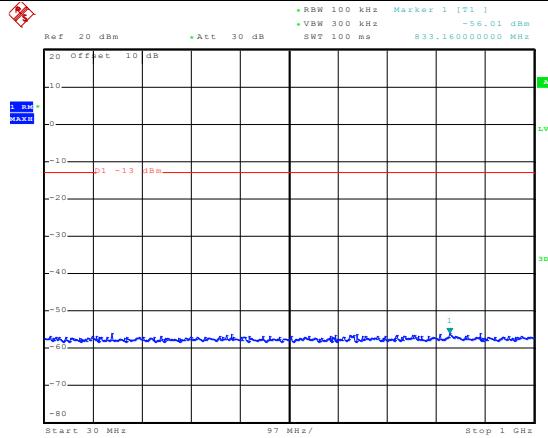
Date: 11.SEP.2014 12:02:24

30MHz~1GHz

Date: 11.SEP.2014 12:05:48

1GHz~20GHz

Test Mode:	LTE band 4(10MHz 16QAM) RB Size 1 & RB Offset 49	Test Channel:	Lowest channel
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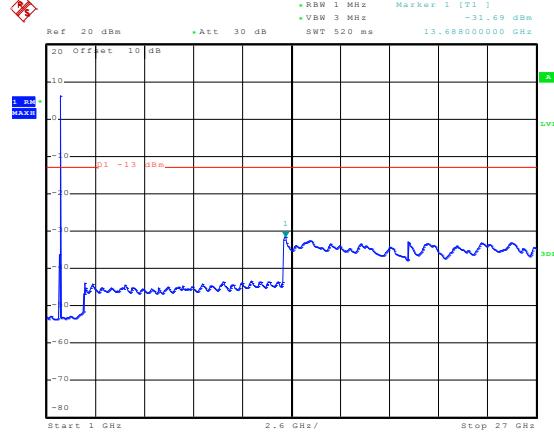
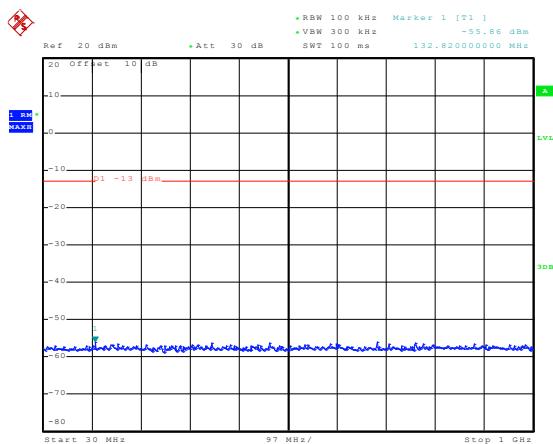
Date: 18.SEP.2014 18:33:06

30MHz~1GHz

Date: 18.SEP.2014 18:20:46

1GHz~27GHz

Test Mode:	LTE band 4(10MHz 16QAM) RB Size 1 & RB Offset 0	Test Channel:	Middle channel
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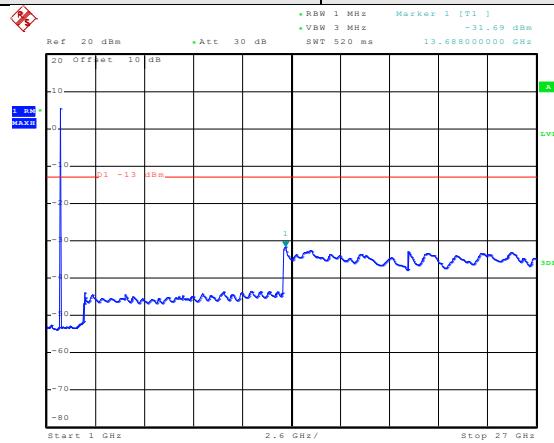
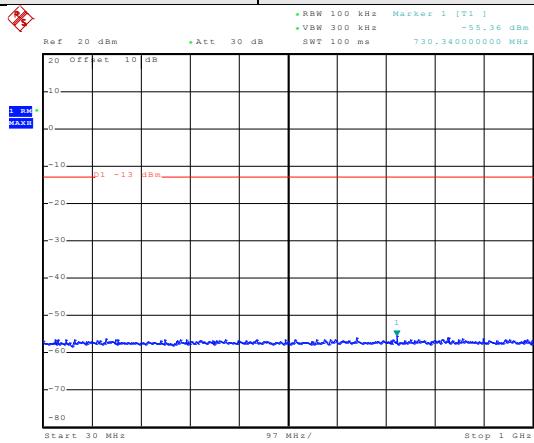
Date: 18.SEP.2014 18:30:18

Date: 18.SEP.2014 18:23:20

30MHz~1GHz

1GHz~27GHz

Test Mode:	LTE band 4(10MHz 16QAM) RB Size 1 & RB Offset 49	Test Channel:	Highest channel
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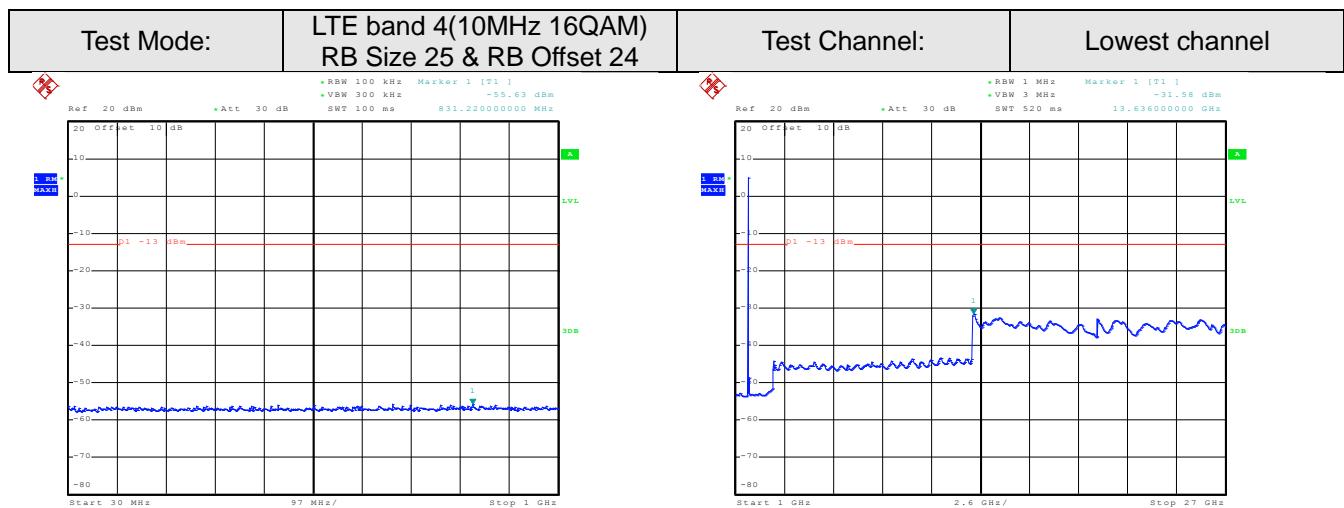


Date: 18.SEP.2014 18:28:38

Date: 18.SEP.2014 18:25:57

30MHz~1GHz

1GHz~27GHz

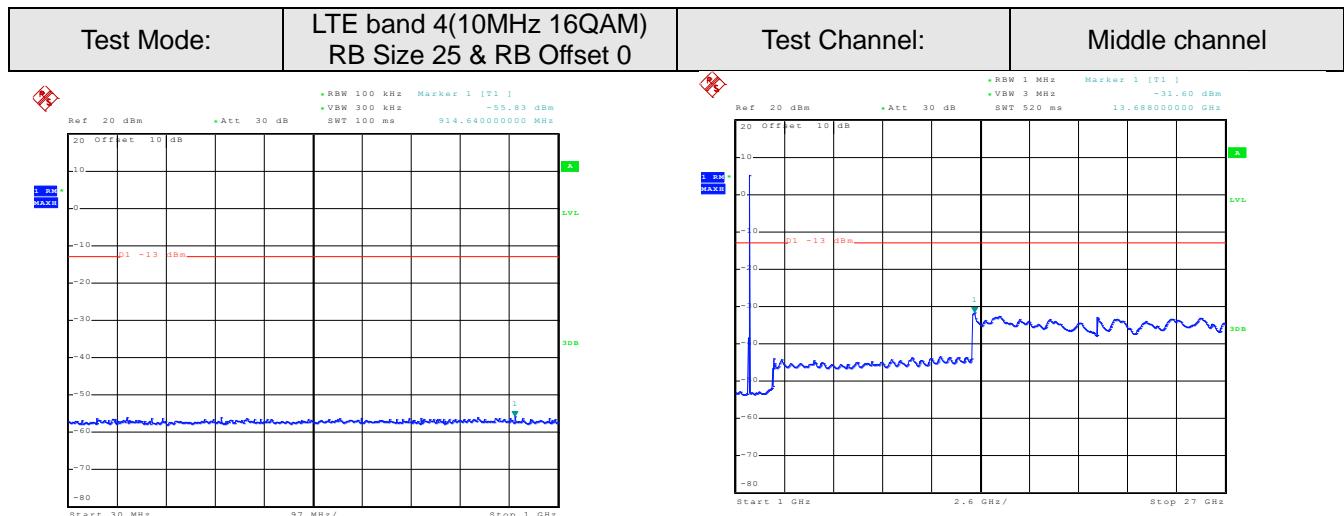


Date: 18.SEP.2014 18:34:04

Date: 18.SEP.2014 18:21:26

30MHz~1GHz

1GHz~27GHz

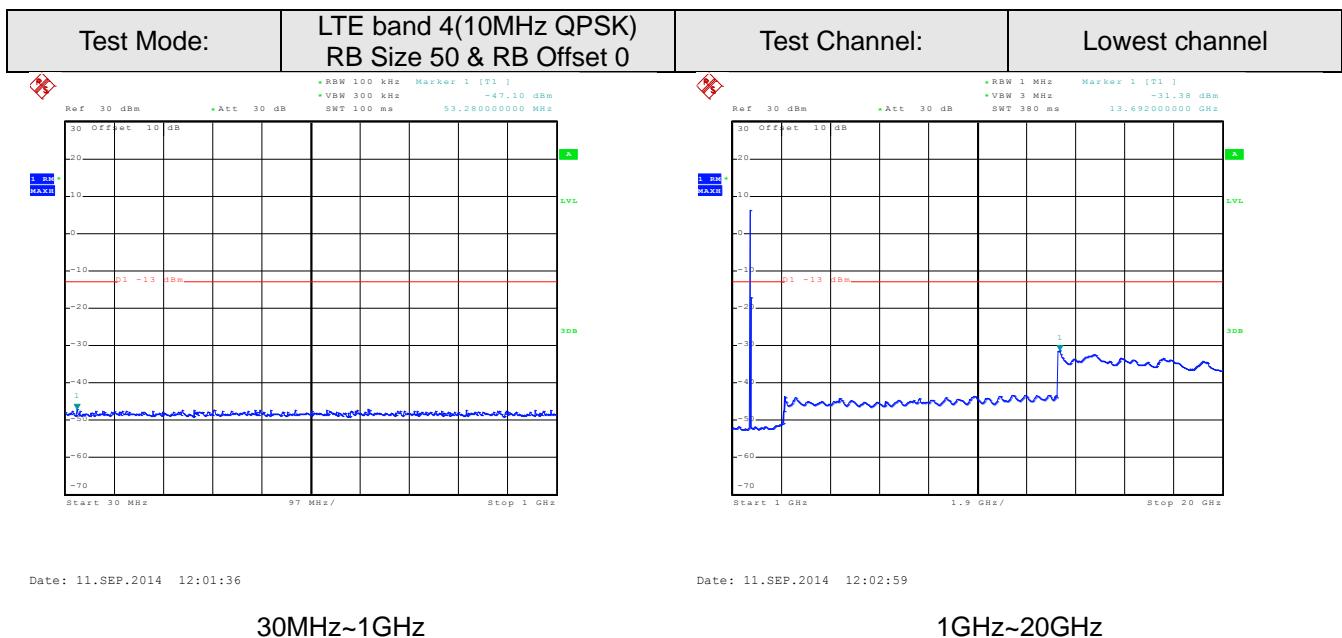
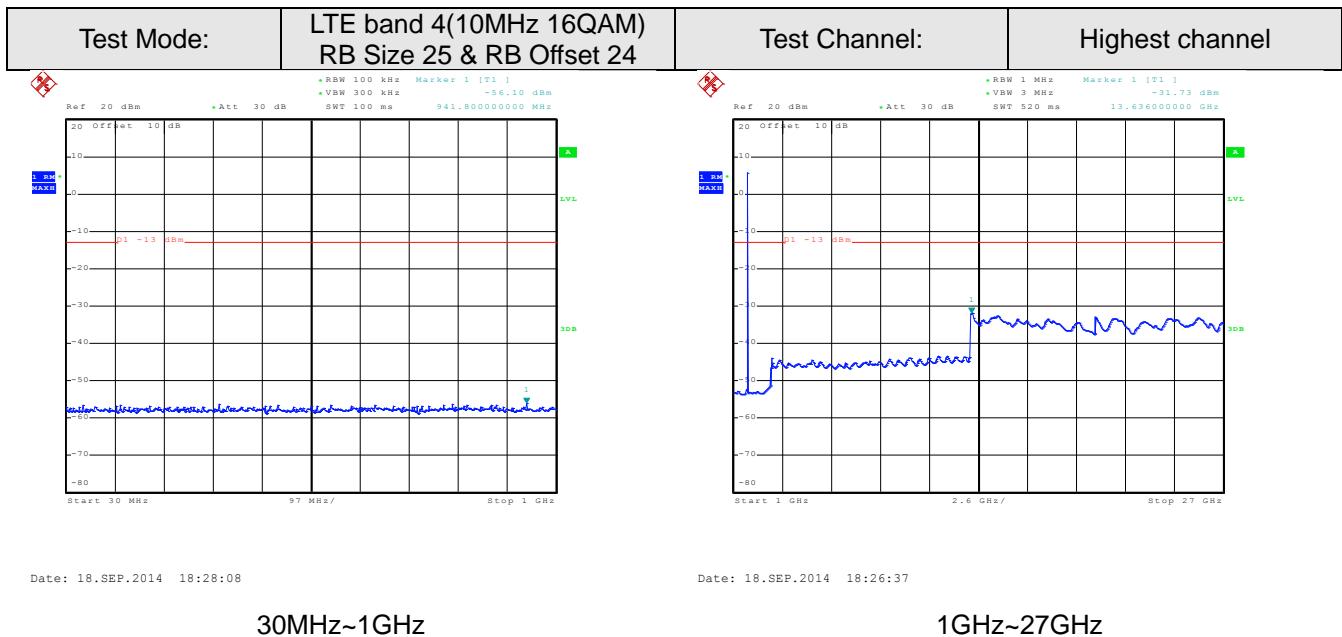


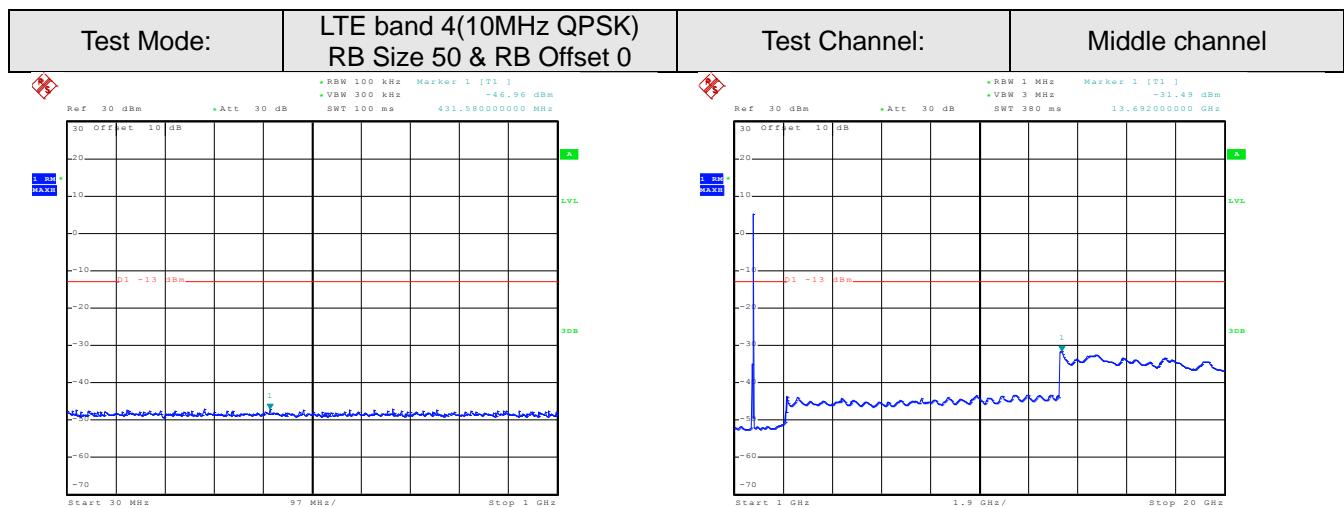
Date: 18.SEP.2014 18:30:53

Date: 18.SEP.2014 18:23:48

30MHz~1GHz

1GHz~27GHz



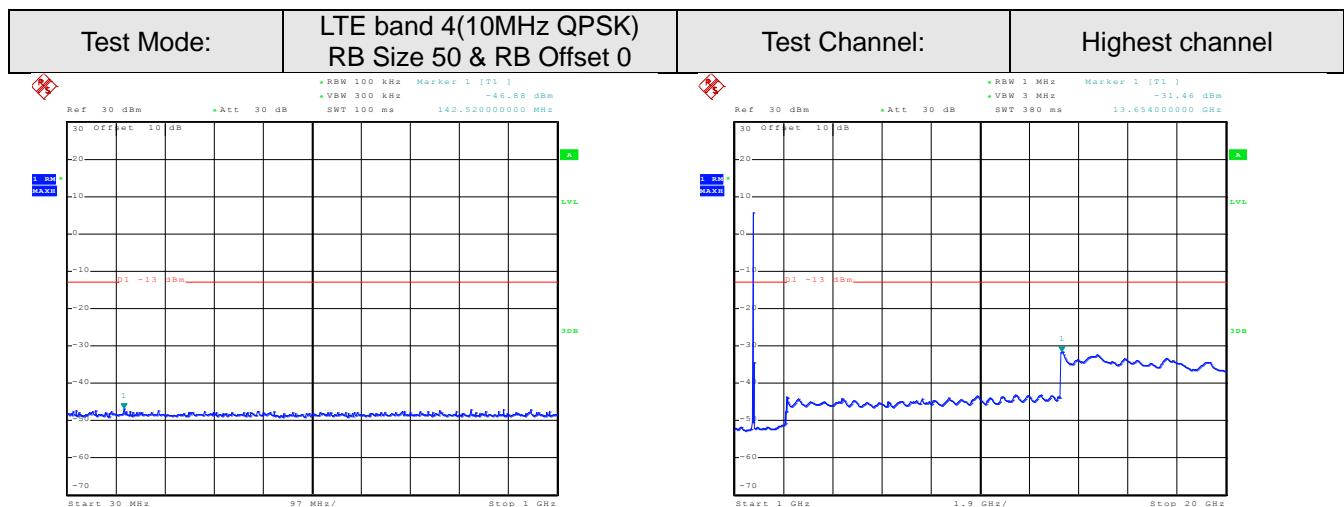


Date: 11.SEP.2014 12:01:58

Date: 11.SEP.2014 12:03:56

30MHz~1GHz

1GHz~20GHz



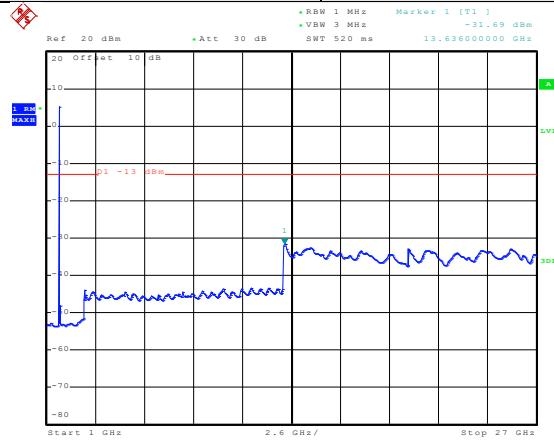
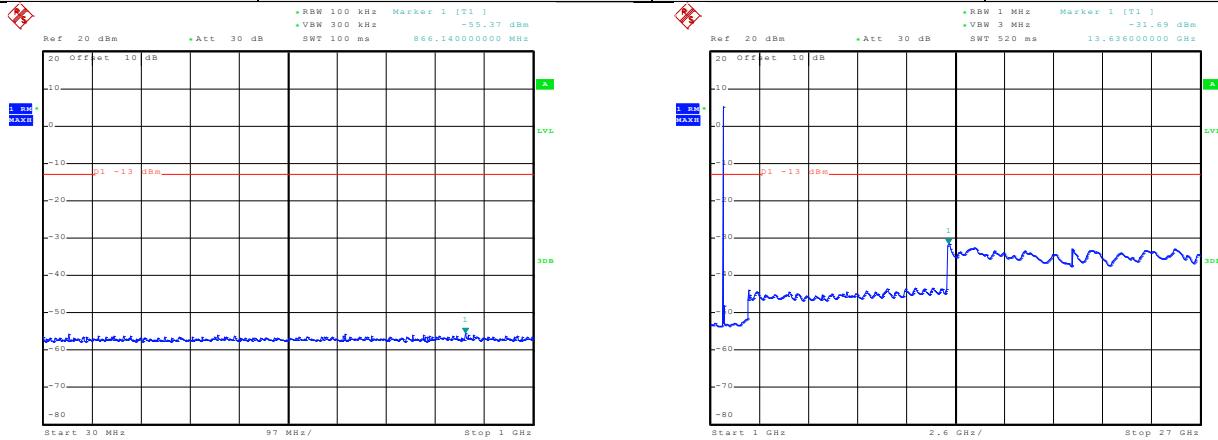
Date: 11.SEP.2014 12:02:19

Date: 11.SEP.2014 12:05:33

30MHz~1GHz

1GHz~20GHz

Test Mode:	LTE band 4(10MHz QPSK) RB Size 1 & RB Offset 49	Test Channel:	Lowest channel
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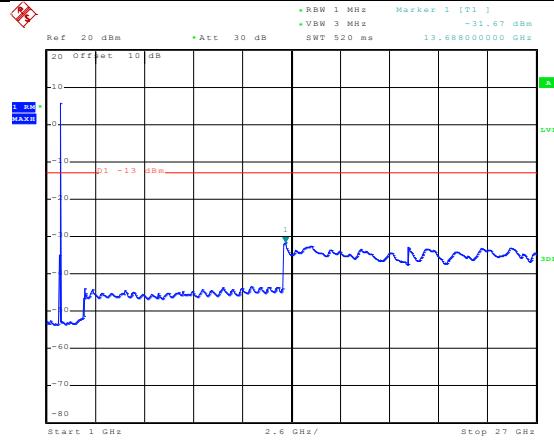
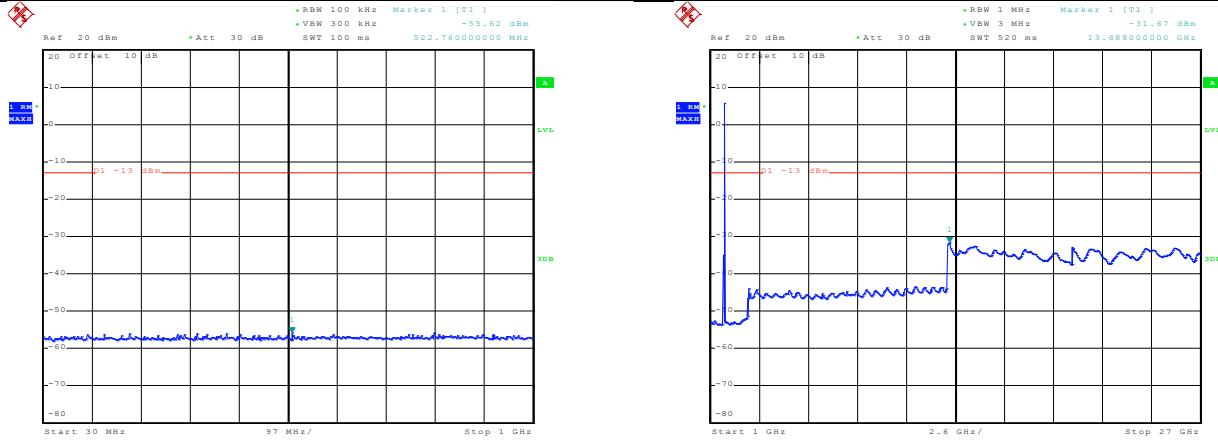
Date: 18.SEP.2014 18:32:33

Date: 18.SEP.2014 18:20:22

30MHz~1GHz

1GHz~27GHz

Test Mode:	LTE band 4(10MHz QPSK) RB Size 1 & RB Offset 0	Test Channel:	Middle channel
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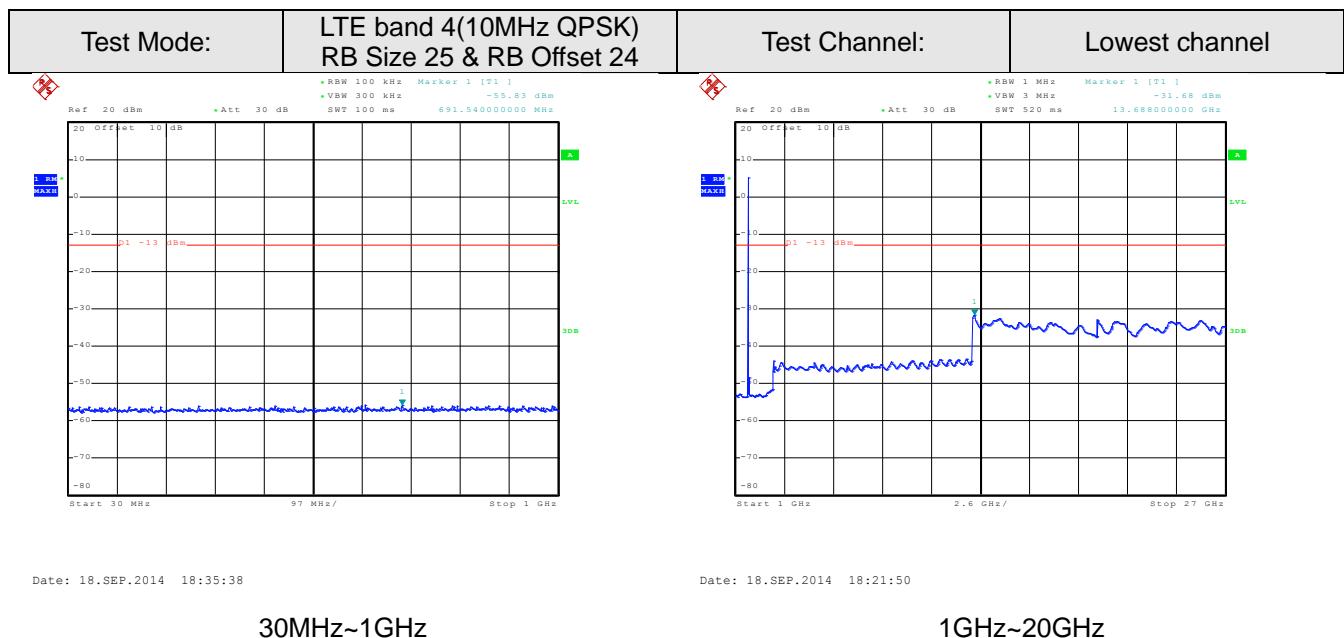
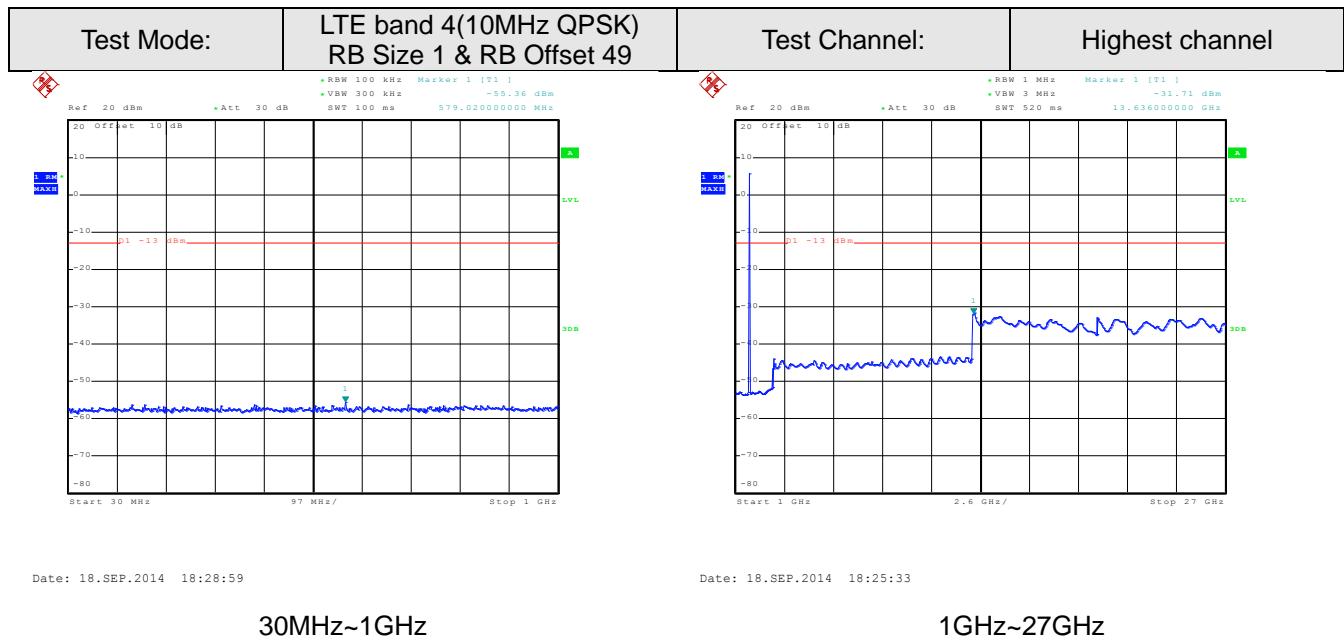


Date: 18.SEP.2014 18:30:02

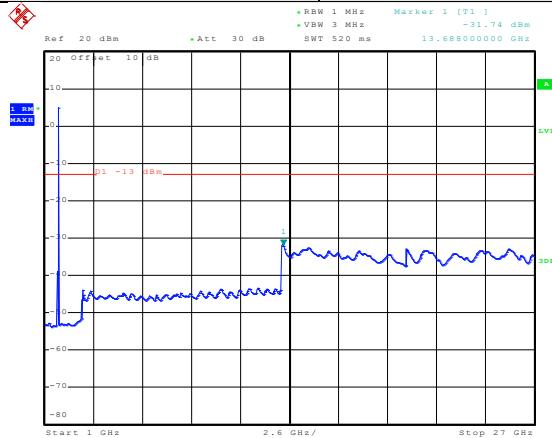
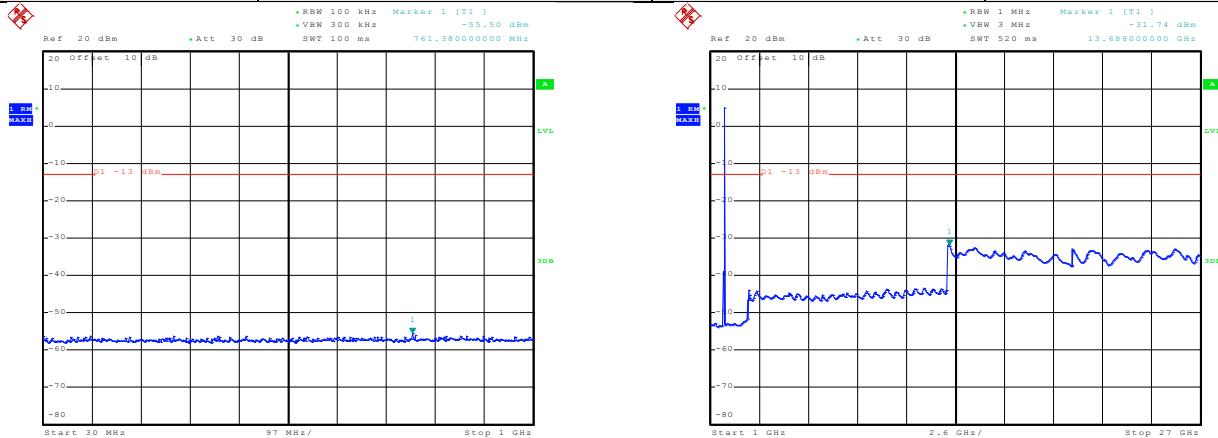
Date: 18.SEP.2014 18:22:47

30MHz~1GHz

1GHz~27GHz



Test Mode:	LTE band 4(10MHz QPSK) RB Size 25 & RB Offset 0	Test Channel:	Middle channel
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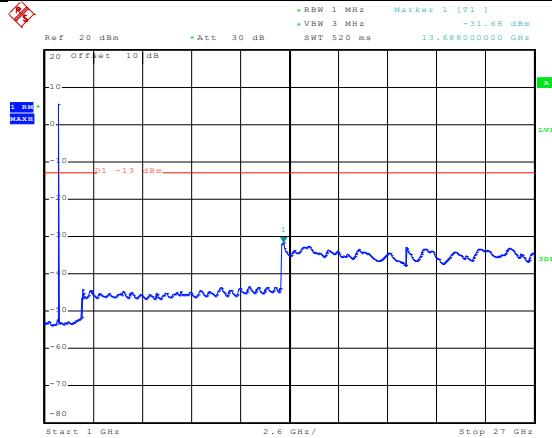
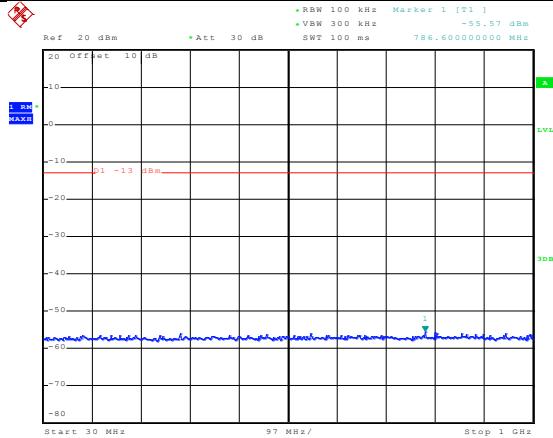
Date: 18.SEP.2014 18:31:26

Date: 18.SEP.2014 18:24:20

30MHz~1GHz

1GHz~20GHz

Test Mode:	LTE band 4(10MHz QPSK) RB Size 25 & RB Offset 24	Test Channel:	Highest channel
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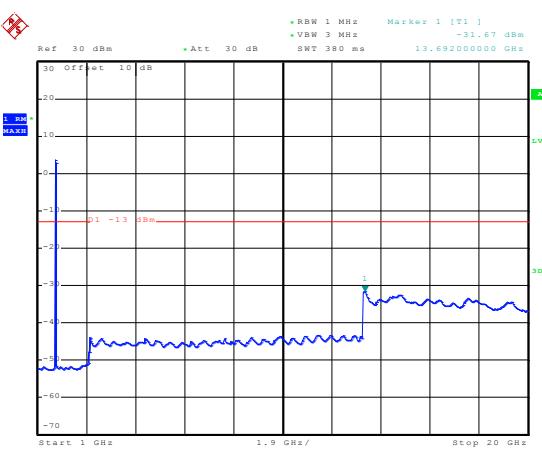
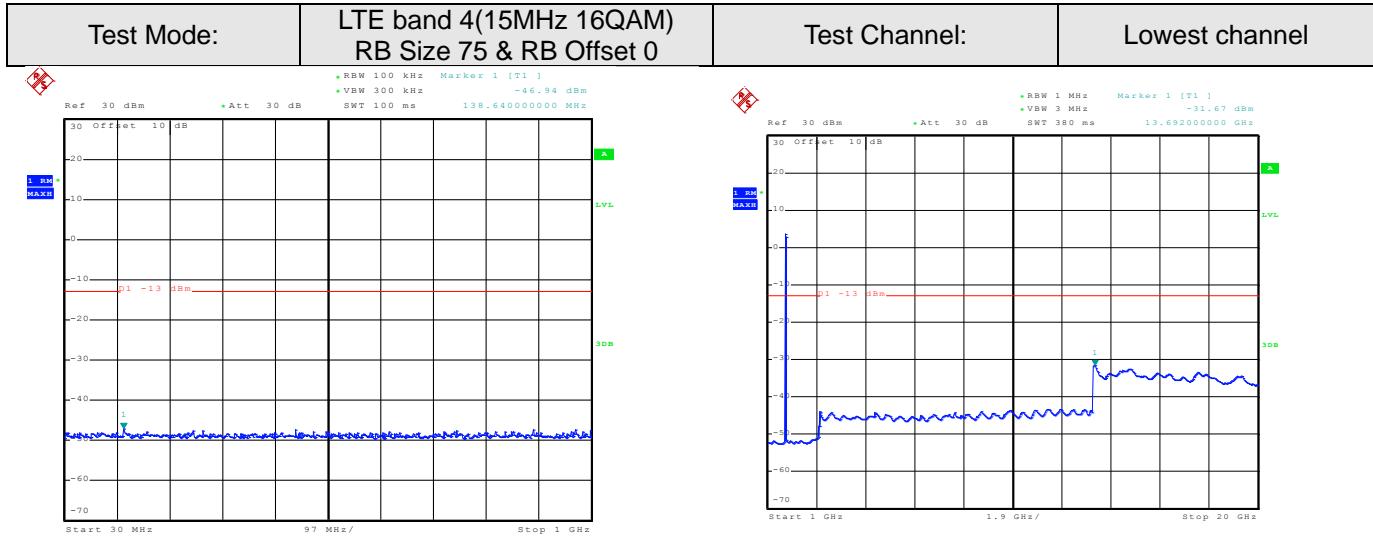
Date: 18.SEP.2014 18:27:42

Date: 18.SEP.2014 18:27:00

30MHz~1GHz

1GHz~20GHz

15MHz

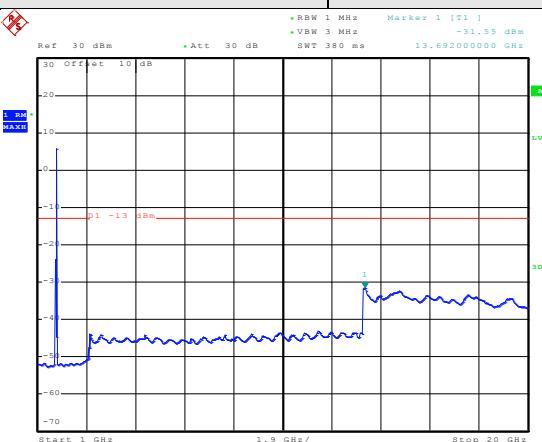
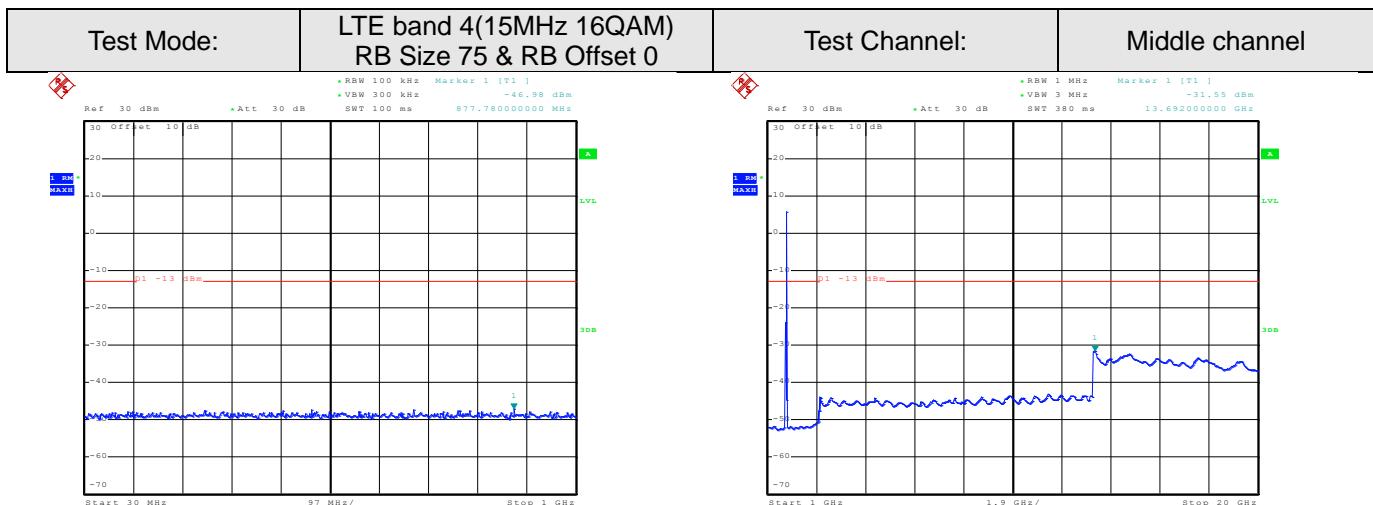


Date: 11.SEP.2014 12:09:13

Date: 11.SEP.2014 12:06:59

30MHz~1GHz

1GHz~20GHz

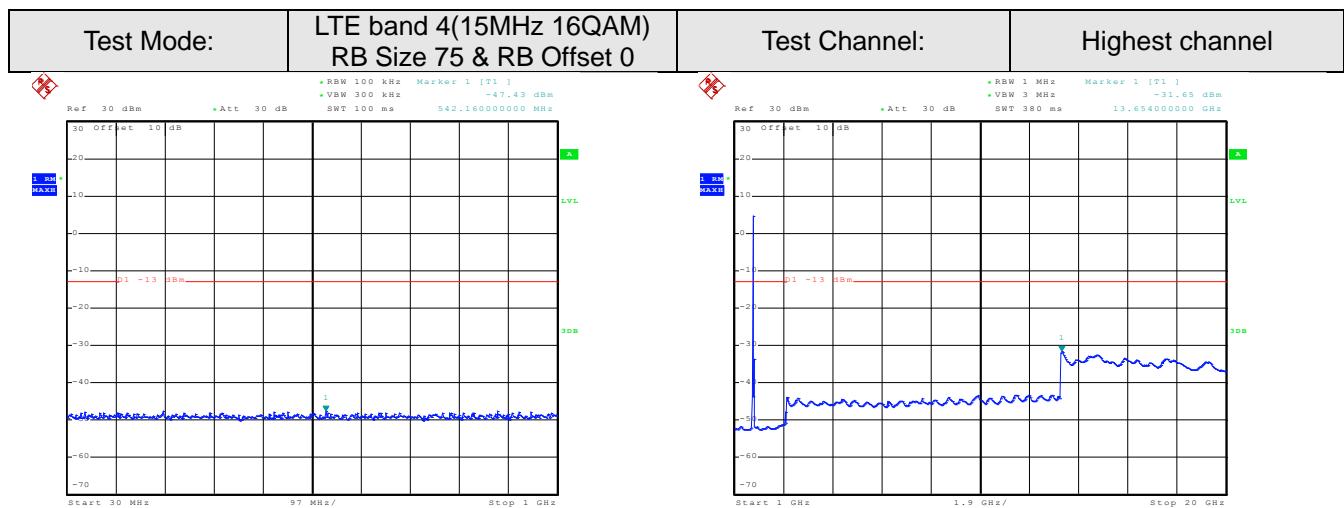


Date: 11.SEP.2014 12:09:35

Date: 11.SEP.2014 12:07:48

30MHz~1GHz

1GHz~20GHz

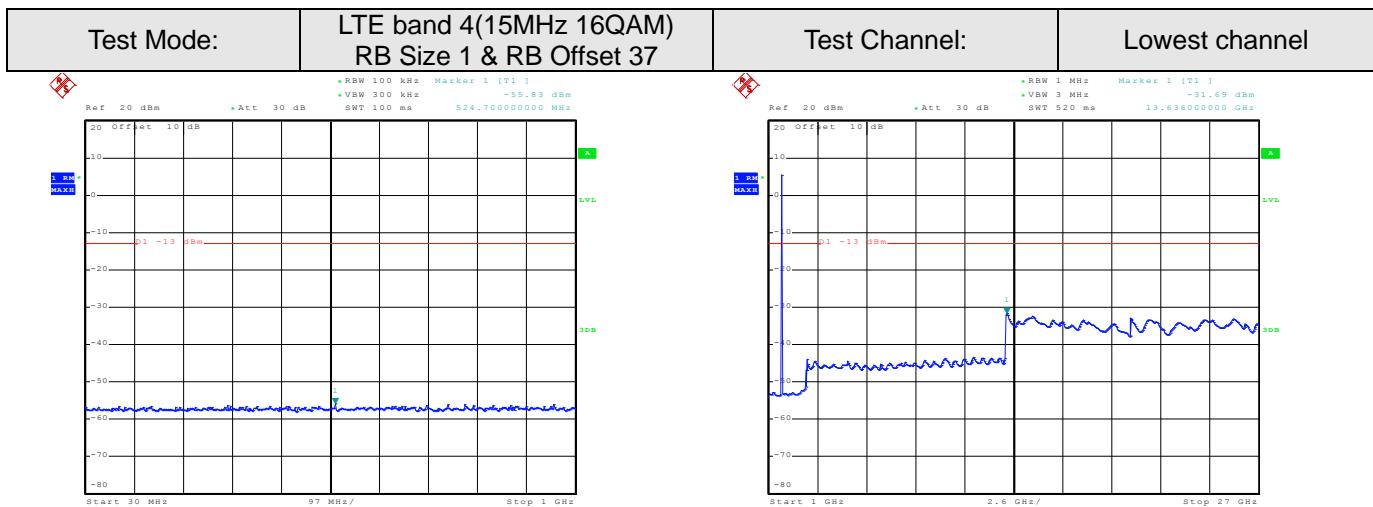


Date: 11.SEP.2014 12:09:52

Date: 11.SEP.2014 12:08:37

30MHz~1GHz

1GHz~20GHz

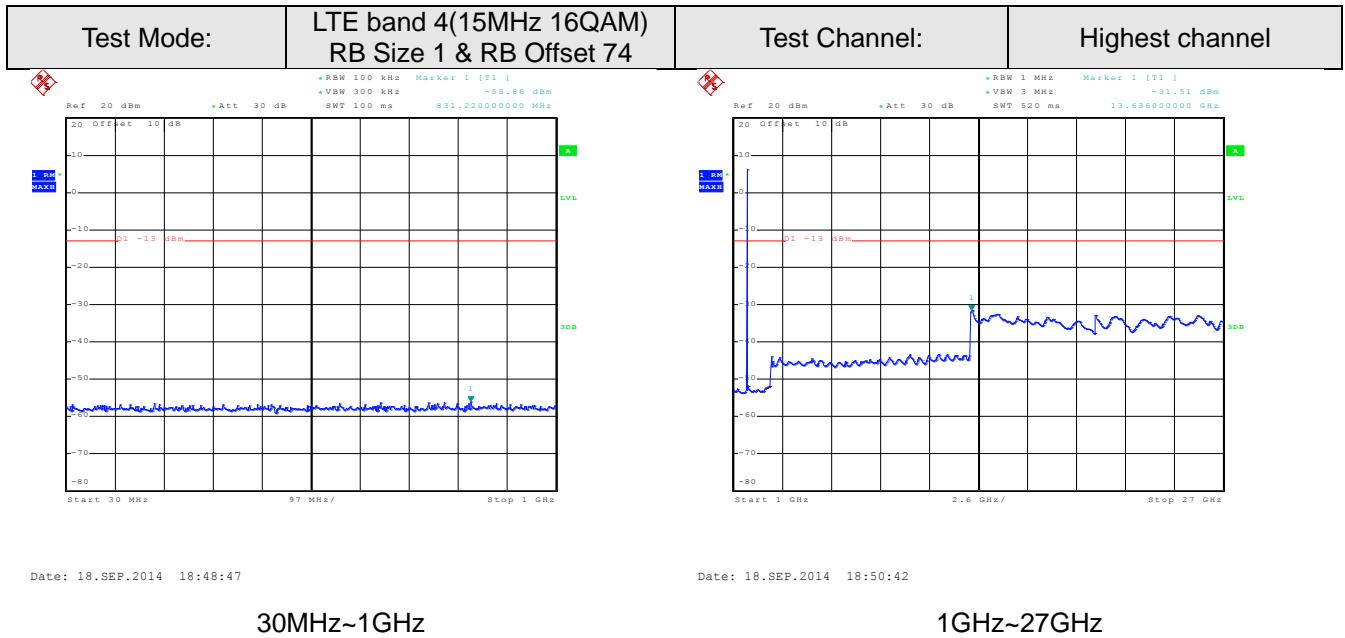
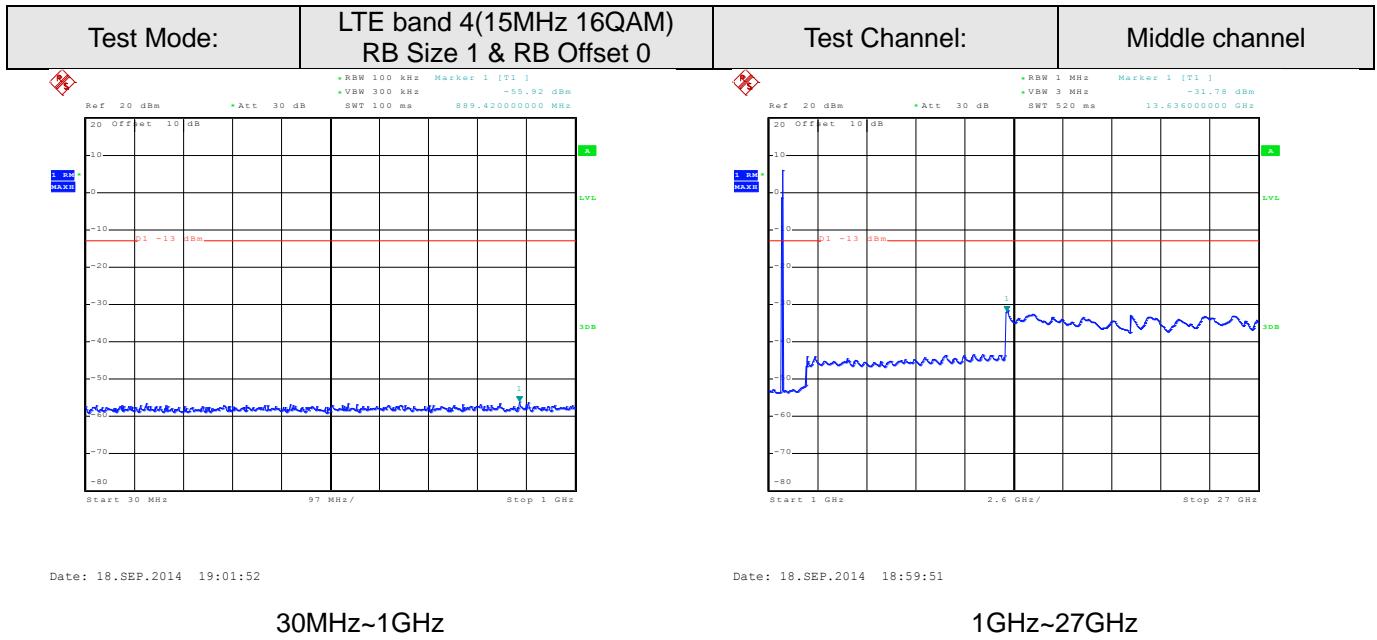


Date: 18.SEP.2014 18:44:48

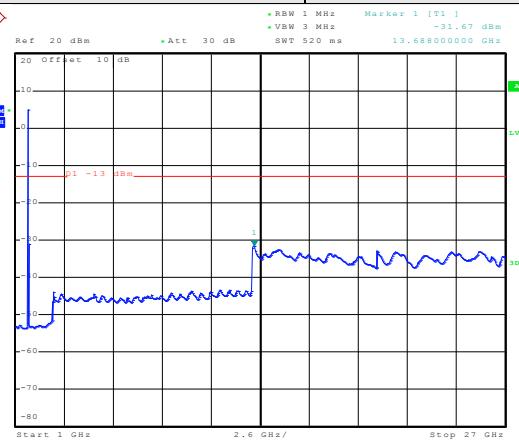
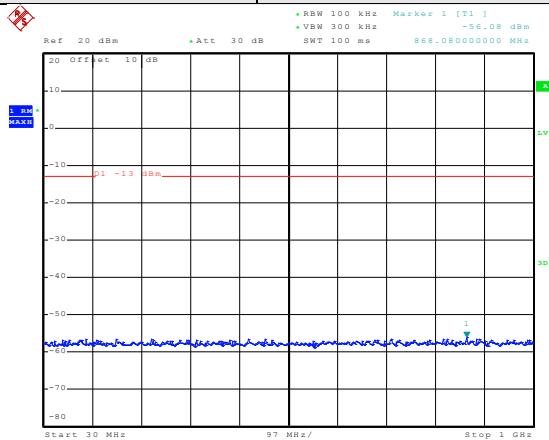
Date: 18.SEP.2014 18:55:52

30MHz~1GHz

1GHz~27GHz



Test Mode:	LTE band 4(15MHz 16QAM) RB Size 36 & RB Offset 35	Test Channel:	Lowest channel
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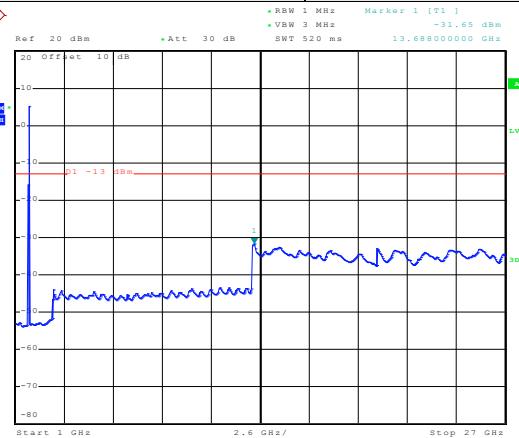
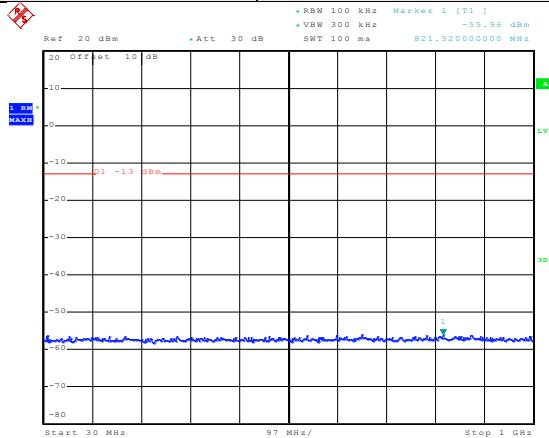
Date: 18.SEP.2014 18:44:09

30MHz~1GHz

Date: 18.SEP.2014 18:54:58

1GHz~27GHz

Test Mode:	LTE band 4(15MHz 16QAM) RB Size 36 & RB Offset 0	Test Channel:	Middle channel
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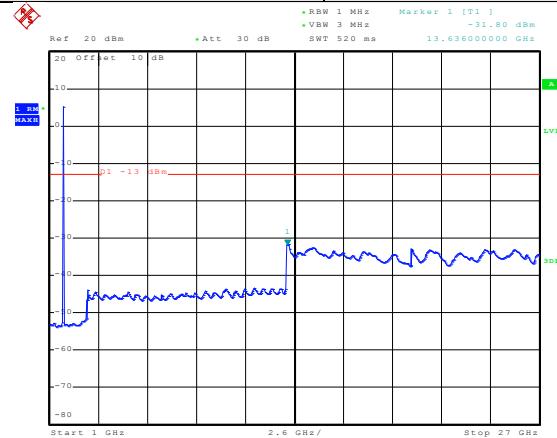
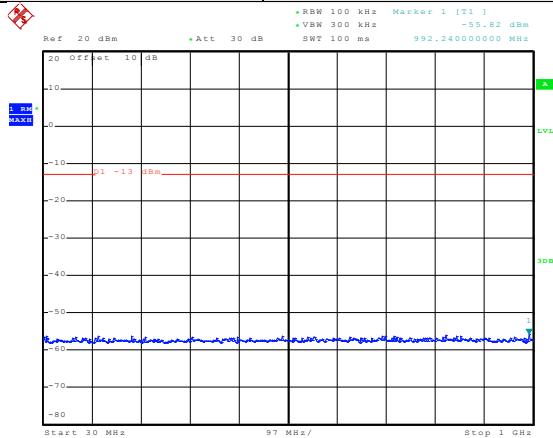
Date: 18.SEP.2014 19:01:13

30MHz~1GHz

Date: 18.SEP.2014 19:00:41

1GHz~27GHz

Test Mode:	LTE band 4(15MHz 16QAM) RB Size 36 & RB Offset 35	Test Channel:	Highest channel
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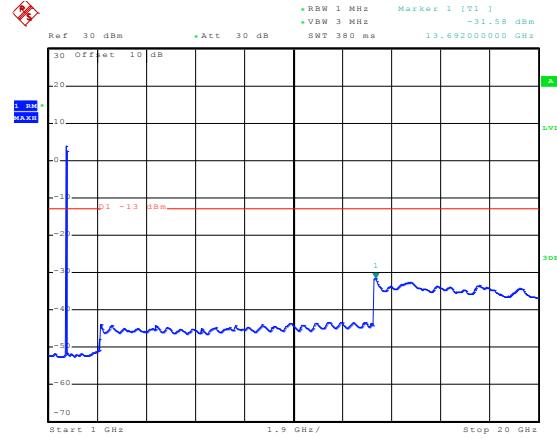
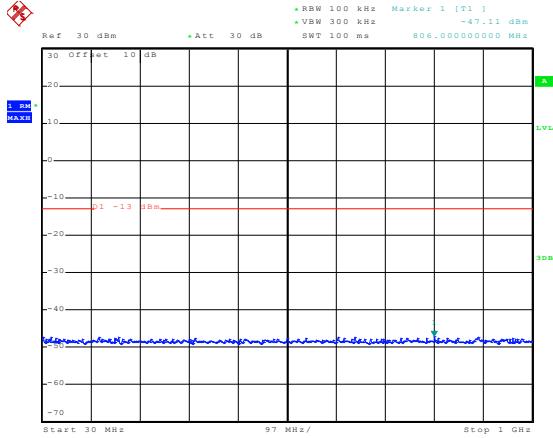
Date: 18.SEP.2014 18:49:08

Date: 18.SEP.2014 18:50:12

30MHz~1GHz

1GHz~27GHz

Test Mode:	LTE band 4(15MHz QPSK) RB Size 75 & RB Offset 0	Test Channel:	Lowest channel
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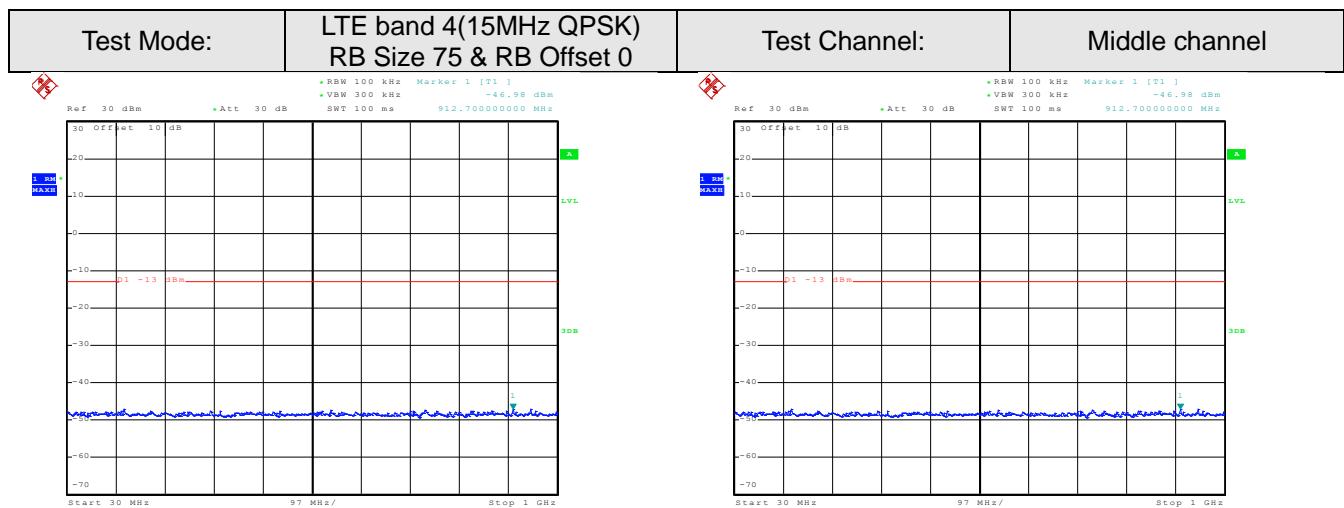


Date: 11.SEP.2014 12:09:06

Date: 11.SEP.2014 12:06:44

30MHz~1GHz

1GHz~20GHz

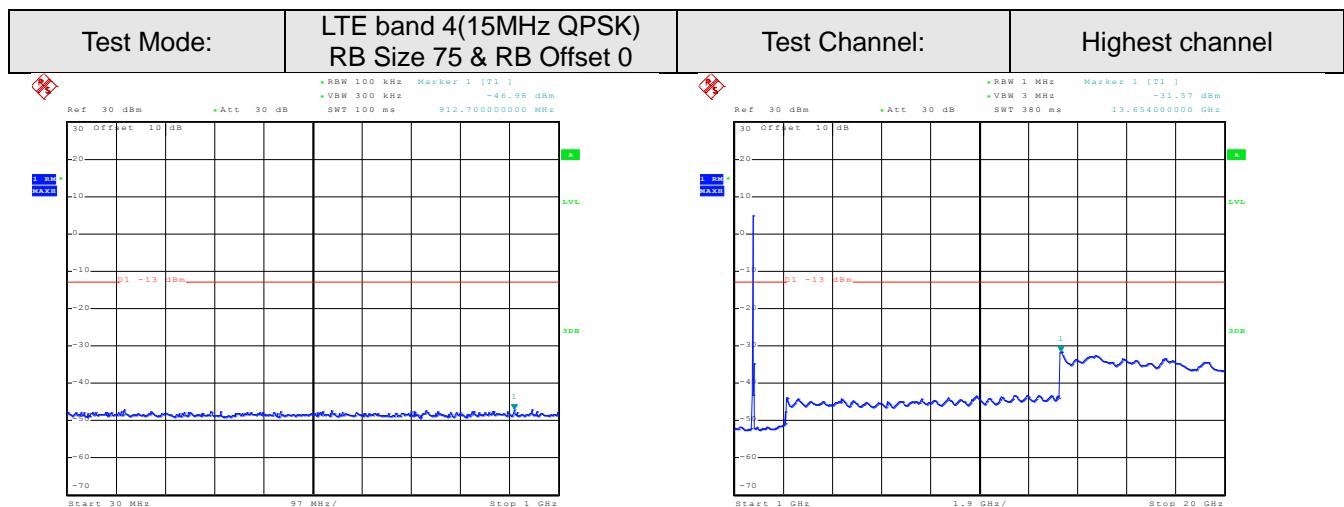


Date: 11.SEP.2014 12:09:27

Date: 11.SEP.2014 12:09:27

30MHz~1GHz

1GHz~20GHz

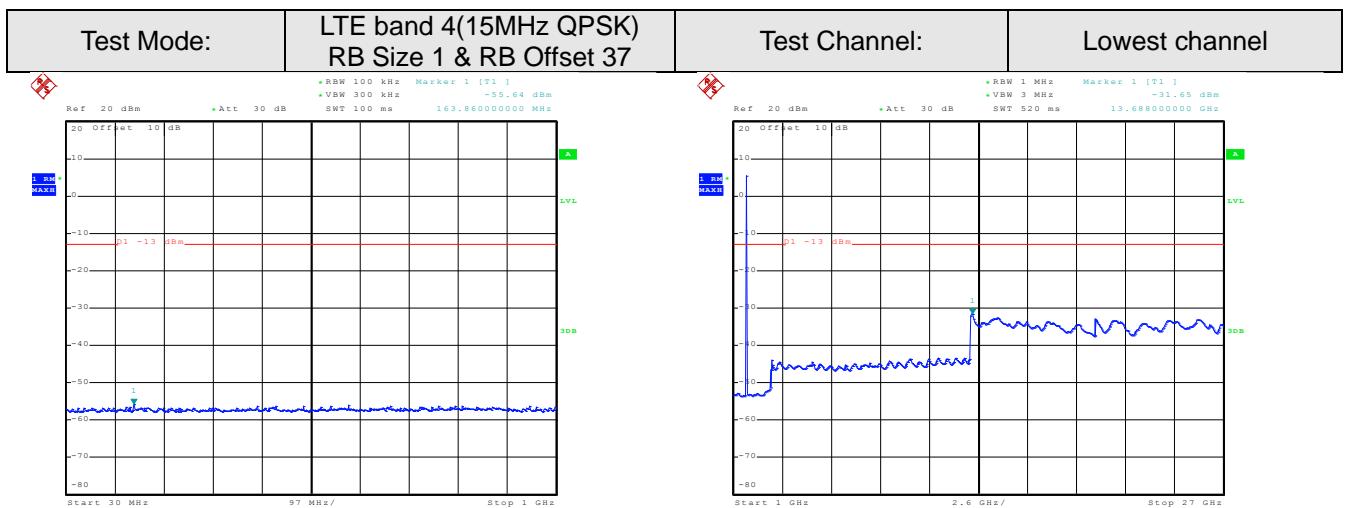


Date: 11.SEP.2014 12:09:27

Date: 11.SEP.2014 12:08:18

30MHz~1GHz

1GHz~20GHz

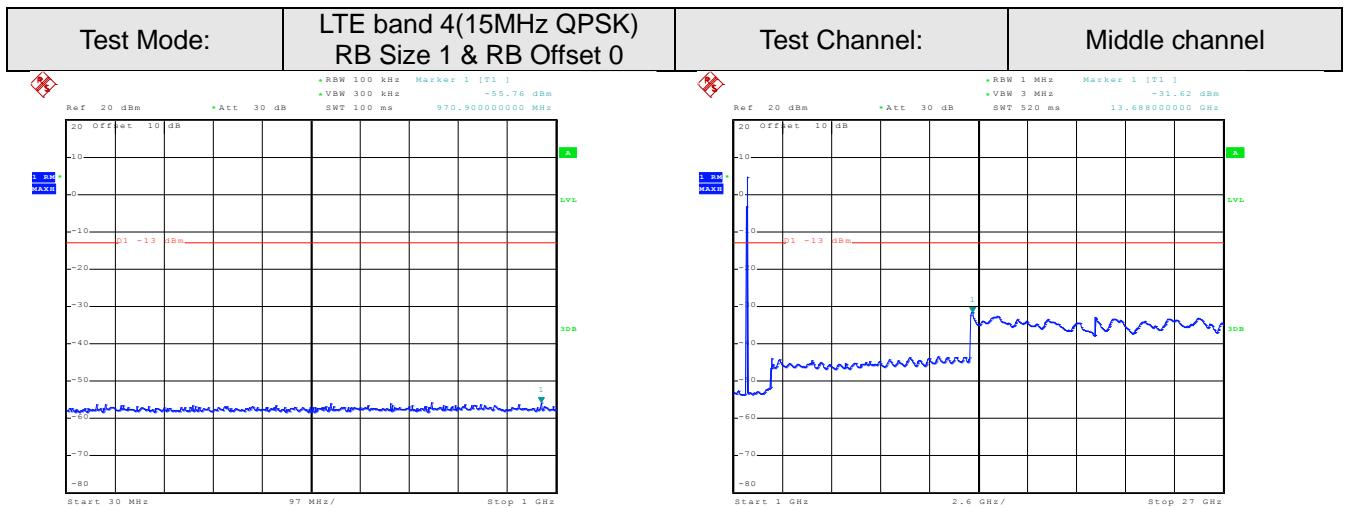


Date: 18.SEP.2014 18:42:49

Date: 18.SEP.2014 18:55:30

30MHz~1GHz

1GHz~27GHz



Date: 18.SEP.2014 19:01:43

Date: 18.SEP.2014 19:00:07

30MHz~1GHz

1GHz~27GHz

