FCC REPORT
(LTE)

Applicant:	NEXUS TELECOM SERVICES (HK) LIMITED
Address of Applicant:	R112, 11/F Hollywood Plaza, Mangkok, Kowloon Hong Kong
Equipment Under Test (EUT)	
Product Name:	Smart Phone
Model No.:	GO1402S
Trade mark:	GO-Mobile
FCC ID:	2AHDFGO1402S
Applicable standards:	FCC CFR Title 47 Part 2 FCC CFR Title 47 Part 24 Subpart E
Date of sample receipt:	30 Jun., 2017
Date of Test:	30 Jun., to 07 Jul., 2017
Date of report issued:	08 Jul., 2017
Test Result:	PASS*

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

Authorized Signature:

Bruce Zhang
Laboratory Manager

2. Version

Version No.	Date	Description
00	*08 Jul., 2017*	*Original*

Tested by: Zora Lee ***Date:*** *08 Jul., 2017*

Test Engineer

Reviewed by: RYan.Lee ***Date:*** *08 Jul., 2017*

Project Engineer

3. Contents

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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 24.232 (c)	Pass
Peak-to-Average Ratio	Part 24.232 (d)	Pass
Modulation Characteristics	Part 2.1047	Pass
99% & -26 dB Occupied Bandwidth	Part 2.1049 Part 24.238	Pass
Spurious Emissions at Antenna Terminal	Part 2.1051 Part 24.238 (a)	Pass
Field Strength of Spurious Radiation	Part 2.1053 Part 24.238 (a)	Pass
Out of band emission, Band Edge	Part 24.238 (a)	Pass
Frequency stability vs. temperature	Part 24.235 Part 2.1055(a)(1)(b)	Pass
Frequency stability vs. voltage	Part 24.235 Part 2.1055(d)(2)	Pass

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

5. General Information

5.1 Client Information

Applicant:	NEXUS TELECOM SERVICES (HK) LIMITED
Address of Applicant:	R112, 11/F Hollywood Plaza, Mangkok, Kowloon Hong Kong
Manufacturer:	CHINO-E TECHNOLOGY (HONG KONG) CO., LTD.
Address of Manufacturer:	ROOM 1907 19/F DOMINION CETRE 43-59 QUEEN'S ROAD EAST, WAN CHAI, HONG KONG
Factory:	Shenzhen Shenan Times Electronic Co.,Ltd.
Address of Factory:	FLOOR 2-4, BLDG B, Chunyang Industrial park, Zhugushi Road, Wulian Street, Longgang District, Shenzhen, China

5.2 General Description of E.U.T.

Product Name:	Smart Phone
Model No.:	GO1402S
Operation Frequency range:	LTE Band 2: TX: 1850MHz-1910MHz, RX: 1930MHz-1990MHz
Modulation type:	QPSK, 16QAM
Antenna type:	Internal Antenna
Antenna gain:	LTE Band 2: 1dBi
AC adapter:	Model: GO1402S Input: AC100-240V, 50/60Hz, 0.2A Output: DC 5.0V, 1000mAh
Power supply:	Rechargeable Li-ion Battery DC3.8V-1700mAh

Operation Frequency List:

LTE Band 2(1.4MHz)		LTE Band 2(3MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
18607	1850.70	18615	1851.50
18608	1850.80	18616	1851.60
….	….	….	….
18899	1879.90	18899	1879.90
18900	1880.00	18900	1880.00
18901	1880.10	18901	1880.10
…	…	…	…
19193	1909.20	19185	1908.40
19194	1909.30	19186	1908.50
LTE Band 2(5MHz)		LTE Band 2(10MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
18625	1852.50	18650	1855.00
18626	1852.60	18651	1855.10
….	….	….	….
18899	1879.90	18899	1879.90
18900	1880.00	18900	1880.00
18901	1880.10	18901	1880.10
…	…	…	…
19175	1907.40	19150	1904.90
19176	1907.50	19151	1905.00
LTE Band 2(15MHz)		LTE Band 2(20MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
18675	1857.50	18700	1860.00
18676	1857.60	18701	1860.10
….	….	….	….
18899	1879.90	18899	1879.90
18900	1880.00	18900	1880.00
18901	1880.10	18901	1880.10
…	…	…	…
19125	1902.40	19100	1899.90
19126	1902.50	19101	1900.00

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

LTE Band 2(1.4MHz)			LTE Band 2(3MHz)		
Channel		Frequency (MHz)	Channel		Frequency (MHz)
Lowest channel	18607	1850.70	Lowest channel	18615	1851.50
Middle channel	18900	1880.00	Middle channel	18900	1880.00
Highest channel	19193	1909.30	Highest channel	19185	1908.50
LTE Band 2(5MHz)			LTE Band 2(10MHz)		
Channel		Frequency (MHz)	Channel		Frequency (MHz)
Lowest channel	18625	1852.50	Lowest channel	18650	1855.00
Middle channel	18900	1880.00	Middle channel	18900	1880.00
Highest channel	19175	1907.50	Highest channel	19150	1905.00
LTE Band 2(15MHz)			LTE Band 2(20MHz)		
Channel		Frequency (MHz)	Channel		Frequency (MHz)
Lowest channel	18675	1857.50	Lowest channel	18700	1860.00
Middle channel	18900	1880.00	Middle channel	18900	1880.00
Highest channel	19125	1902.50	Highest channel	19100	1900.00

5.3 Test modes

Data mode (LTE band 2(QPSK))	Keep the EUT in data communicating mode on LTE band 2(QPSK). *(LTE band2(1.4MHz), LTE band2(3MHz), LTE band2(5MHz), LTE band2(10MHz), LTE band2(15MHz), LTE band2(20MHz))*
Data mode (LTE band 2(16QAM))	Keep the EUT in data communicating mode on LTE band 2(16QAM). *(LTE band2(1.4MHz), LTE band2(3MHz), LTE band2(5MHz), LTE band2(10MHz), LTE band2(15MHz), LTE band2(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 24 subpart E 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 47clause 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 ZhongjianNanfang 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 ZhongjianNanfang 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 ZhongjianNanfang 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
Website: http://www.ccis-cb.com
Tel: +86-755-23118282
Fax:+86-755-23116366
Email: info@ccis-cb.com

5.8 Test Instruments list

Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
3m Semi- Anechoic Chamber	SAEMC	9(L)*6(W)* 6(H)	CCIS0001	07-22-2017	07-21-2020
BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	CCIS0005	02-25-2017	02-24-2018
Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	CCIS0006	02-25-2017	02-24-2018
EMI Test Software	AUDIX	E3	N/A	N/A	N/A
Amplifier (10kHz-1.3GHz)	HP	8447D	CCIS0003	02-25-2017	02-24-2018
Amplifier (1GHz-18GHz)	Compliance Direction Systems Inc.	PAP-1G18	CCIS0011	02-25-2017	02-24-2018
Pre-amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	02-25-2017	02-24-2018
Horn Antenna	ETS-LINDGREN	3160	GTS217	02-25-2017	02-24-2018
Printer	HP	HP LaserJet P1007	N/A	N/A	N/A
Positioning Controller	UC	UC3000	CCIS0015	N/A	N/A
Spectrum analyzer 9k-30GHz	Rohde & Schwarz	FSP 30	CCIS0023	02-25-2017	02-24-2018
EMI Test Receiver	Rohde & Schwarz	ESPI	CCIS0022	02-25-2017	02-24-2018
EMI Test Receiver	Rohde & Schwarz	ESRP7	CCIS0167	02-25-2017	02-24-2018
Loop antenna	Laplace instrument	RF300	EMC0701	02-25-2017	02-24-2018
Universal radio communication tester	Rhode & Schwarz	CMU200	CCIS0069	02-25-2017	02-24-2018
Signal Analyzer	Rohde & Schwarz	FSIQ3	CCIS0088	02-25-2017	02-24-2018
DC Power Supply	Shenzhen XinNuoEr Technologies Co., Ltd.	WYK-10020K	CCIS0201	10-31-2016	10-30-2017
Temperature Humidity Chamber	Fo Shan HengPu Electronics Co., Ltd.	HPGDS-500	CCIS0240	11-18-2016	11-27-2017

6. System test configuration

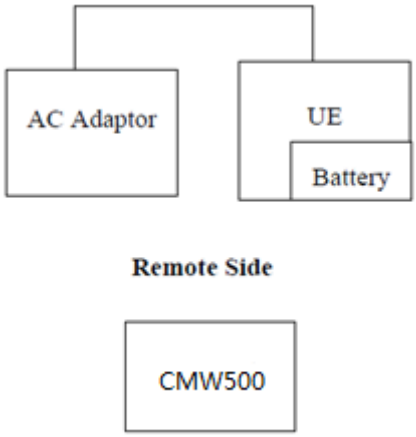
6.1 EUT Configuration

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.

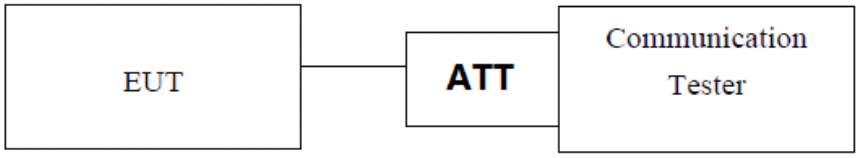
6.3 Configuration of Tested System



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 2) with power adaptor, earphone and Data cable. The worst-case H mode for LTE Band 2.

6.5 Conducted Output Power

Test Requirement:	Part 24.232 (c)
Test Method:	FCC part2.1046
Limit:	LTE Band2: 2W
Test setup:	 *Note: Measurement setup for testing on Antenna connector*
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 2 part

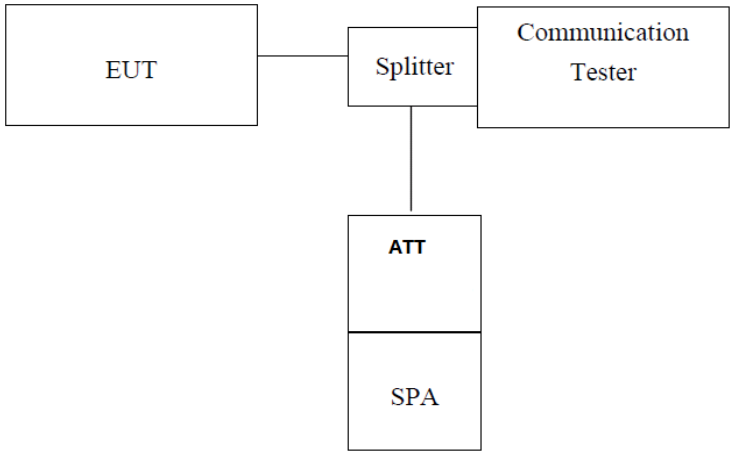
LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					18607	18900	19193
					1850.7MHz	1880.0MHz	1909.3MHz
2	1.4	QPSK	1	0	21.52	21.53	21.47
			1	2	21.50	21.49	21.50
			1	5	21.54	21.48	21.53
			3	0	21.58	21.46	21.49
			3	1	21.52	21.49	21.43
			3	2	21.60	21.44	21.43
			6	0	21.24	21.13	21.01
		16QAM	1	0	21.29	21.14	21.02
			1	2	21.35	21.25	21.09
			1	5	21.28	21.12	21.05
			3	0	21.25	21.21	21.04
			3	1	21.36	21.16	21.03
			3	2	21.34	21.19	21.09
			6	0	20.77	20.68	20.53
LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					18615	18900	19185
					1851.5MHz	1880.0MHz	1908.5MHz
2	3	QPSK	1	0	21.54	21.66	21.57
			1	7	21.65	21.55	21.52
			1	14	21.55	21.41	21.45
			8	0	21.49	21.29	21.17
			8	4	21.52	21.25	21.09
			8	7	21.54	21.31	21.14
			15	0	21.52	21.32	21.13
		16QAM	1	0	21.75	21.57	21.46
			1	7	21.56	21.28	21.15
			1	14	21.79	21.45	21.37
			8	0	21.08	20.95	20.74
			8	4	21.04	20.81	20.81
			8	7	21.14	20.80	20.61
			15	0	20.89	20.77	20.59
LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					18625	18900	19175
					1852.5MHz	1880.0MHz	1907.5MHz
2	5	QPSK	1	0	21.60	21.47	21.28
			1	12	21.55	21.49	21.37
			1	24	21.65	21.55	21.34
			12	0	21.52	21.17	21.02
			12	6	21.57	21.25	21.07
			12	11	21.56	21.07	20.91
			25	0	21.28	21.12	20.96
		16QAM	1	0	21.14	21.08	20.98
			1	12	21.42	21.34	21.49
			1	24	21.05	21.02	20.89
			12	0	21.09	20.73	20.52
			12	6	21.30	20.76	20.57
			12	11	20.84	20.58	20.43
			25	0	20.81	20.69	20.52

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					18650	18900	19150
					1855.0MHz	1880.0MHz	1905.0MHz
2	10	QPSK	1	0	21.56	21.52	21.27
			1	24	21.61	21.45	21.31
			1	49	21.55	21.38	21.40
			25	0	21.24	21.31	21.41
			25	12	21.26	21.26	21.30
			25	24	21.29	21.17	21.16
			50	0	21.25	21.22	21.27
		16QAM	1	0	20.96	20.76	20.84
			1	24	21.43	21.43	21.38
			1	49	20.77	20.93	20.69
			25	0	20.80	20.77	20.91
			25	12	20.73	20.76	20.76
			25	24	20.77	20.64	20.63
			50	0	20.78	20.73	20.82

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					18675	18900	19125
					1857.5MHz	1880.0MHz	1902.5MHz
2	15	QPSK	1	0	21.61	21.65	21.27
			1	37	21.65	21.57	21.23
			1	74	21.49	21.42	21.32
			36	0	21.10	20.83	20.95
			36	16	21.11	21.19	21.29
			36	35	20.96	21.12	20.89
			75	0	21.18	21.01	20.76
		16QAM	1	0	20.49	20.38	20.45
			1	37	21.43	21.20	21.76
			1	74	20.52	20.46	20.64
			36	0	20.53	20.37	20.52
			36	16	20.59	20.80	20.80
			36	35	20.44	20.69	20.50
			75	0	20.58	20.54	20.27

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					18700	18900	19100
					1860.0MHz	1880.0MHz	1900.0MHz
2	20	QPSK	1	0	21.53	21.51	21.43
			1	49	21.58	21.45	21.27
			1	99	21.44	21.32	21.40
			50	0	21.12	21.33	21.81
			50	24	21.04	21.20	21.08
			50	49	20.73	21.14	21.00
			100	0	21.03	21.19	21.08
		16QAM	1	0	21.72	21.12	21.01
			1	49	21.42	21.50	21.48
			1	99	21.34	21.46	20.88
			50	0	20.64	20.41	20.33
			50	24	20.59	20.69	20.57
			50	49	20.28	20.65	20.49
			100	0	20.43	20.61	20.44

6.6 Peak-to-Average Ratio

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

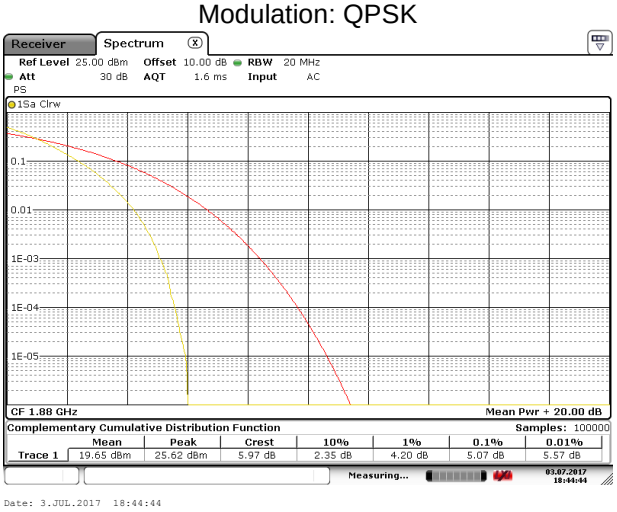
Measurement Data:

BW(MHz)	Modulation	RB Size	RB Offset	PAPR
LTE Band 2 (Middle Channel)				
20MHz	QPSK	100	0	5.07
	16QAM	100	0	5.97

Test plots as below:

LTE Band 2 Middle channel

Modulation: QPSK



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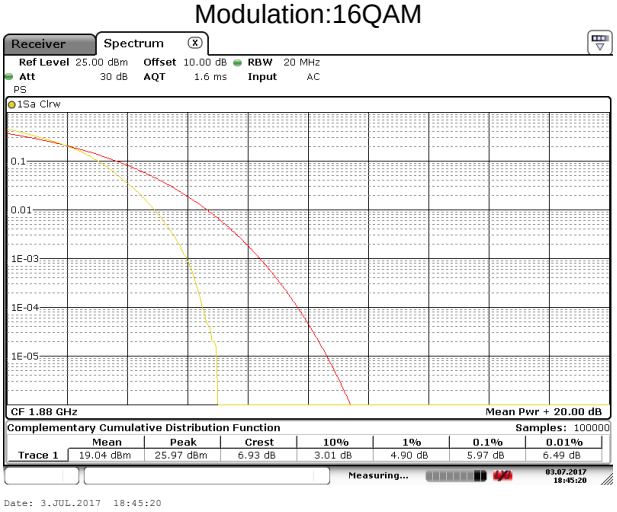
Modulation:16QAM



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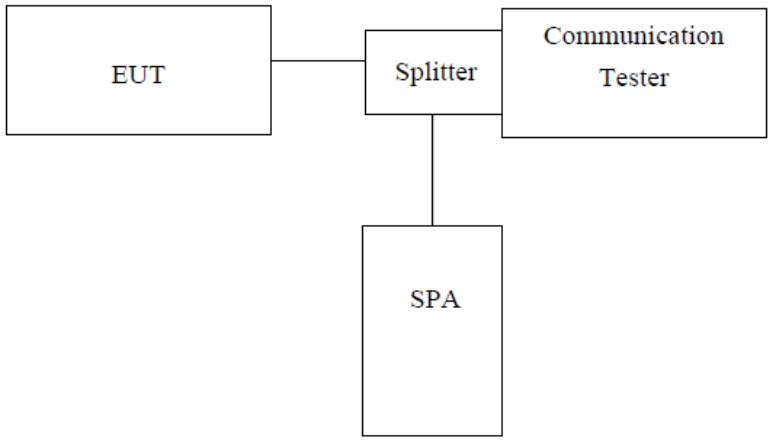
6.7 Occupy Bandwidth

Test Requirement:	Part 24.238
Test Method:	FCC part2.1049
Test setup:	 *Note: Measurement setup for testing on Antenna connector*
Test Procedure:	1. The EUT's output RF connector was connected with a short cable to the spectrum analyzer 2. RBW was set to about 1% ~ 5% of emission BW, VBW= 3 times RBW. 3. -26dBc display line was placed on the screen (or 99% bandwidth), the occupied bandwidth is the delta frequency between the two points where the display line intersects the signal trace.
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

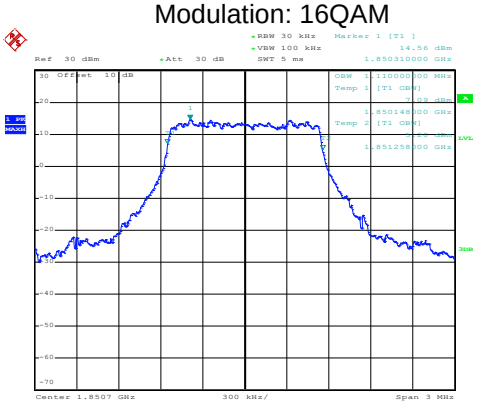
Measurement Data:
LTE Band 2 part:

EUT Mode	Channel	Frequency(MHz)	Modulation	99% OBW (kHz)	-26dBcEBW (kHz)
1.4MHz	18607	1850.70	16QAM	1110	1440
			QPSK	1110	1410
	18900	1880.00	16QAM	1104	1392
			QPSK	1104	1374
	19193	1909.30	16QAM	1110	1380
			QPSK	1104	1386
3MHz	18615	1851.50	16QAM	2748	3096
			QPSK	2748	3180
	18900	1880.00	16QAM	2736	3264
			QPSK	2748	3216
	19185	1908.50	16QAM	2736	3180
			QPSK	2748	3144
5MHz	18625	1852.50	16QAM	4500	5140
			QPSK	4520	5160
	18900	1880.00	16QAM	4520	5020
			QPSK	4520	5140
	19175	1907.50	16QAM	5520	5100
			QPSK	4540	5120
10MHz	18650	1855.00	16QAM	9120	1080
			QPSK	9120	1032
	18900	1880.00	16QAM	9120	1040
			QPSK	9120	1044
	19150	1905.00	16QAM	9120	1020
			QPSK	9120	1040
15MHz	18675	1857.50	16QAM	13500	14820
			QPSK	13560	15120
	18900	1880.00	16QAM	13560	14640
			QPSK	13560	15000
	19125	1902.50	16QAM	13560	14760
			QPSK	13560	14820
20MHz	18700	1860.00	16QAM	17920	19840
			QPSK	18080	19920
	18900	1880.00	16QAM	18080	19760
			QPSK	18080	19920
	19100	1900.00	16QAM	17920	19520
			QPSK	18000	20000

Test plot as follows:
LTE Band 2 part

Test Item:99% Occupy bandwidth
BW: 1.4MHz

Modulation: 16QAM



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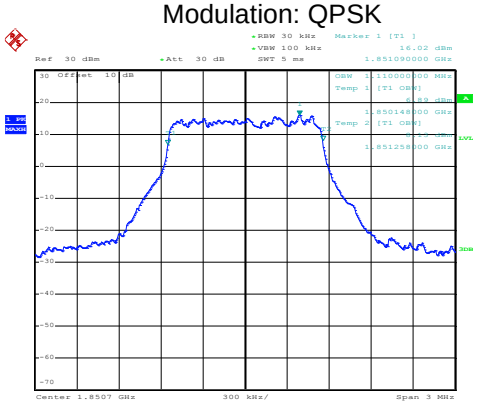
Modulation: QPSK



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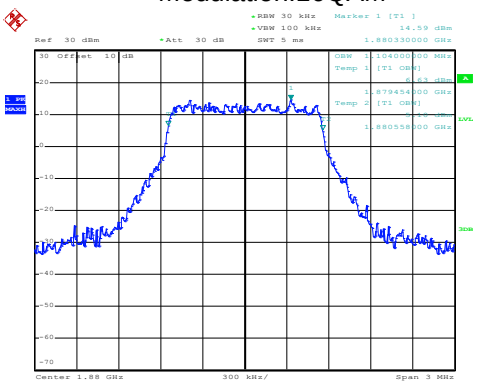
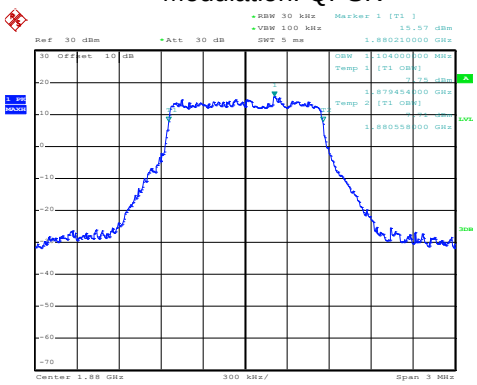
Lowest channel

Modulation:16QAM



Date: 3.JUL.2017 14:23:38

Modulation: QPSK



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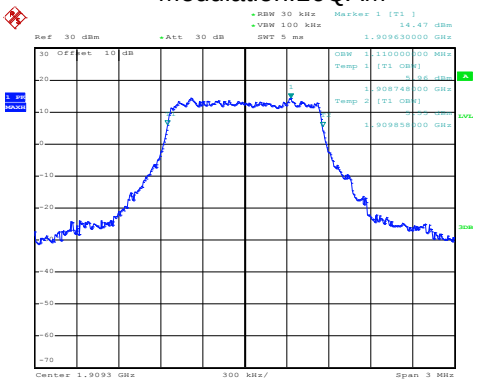
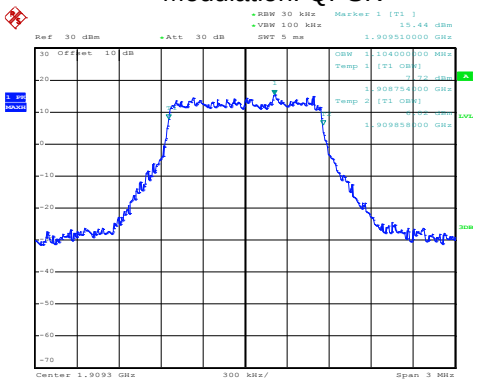
Middle channel

Modulation:16QAM



Date: 3.JUL.2017 14:24:32

Modulation: QPSK

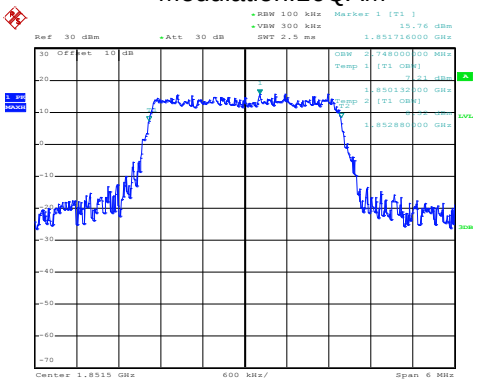


Date: 3.JUL.2017 14:24:42

Highest channel

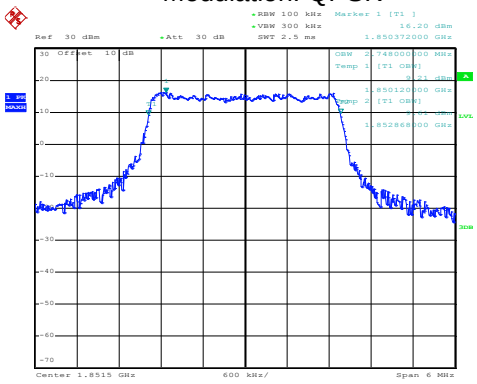
Test Item:99% Occupy bandwidth
BW: 3MHz

Modulation:16QAM



Date: 3.JUL.2017 14:26:26

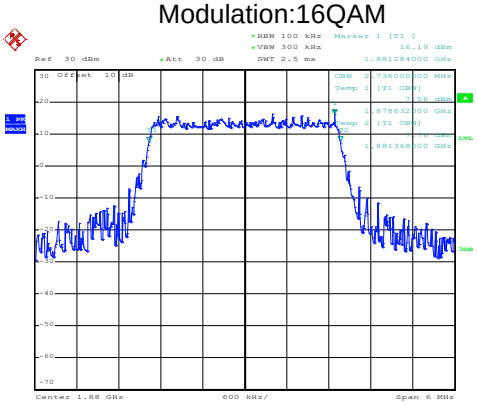
Modulation: QPSK



Date: 3.JUL.2017 14:26:18

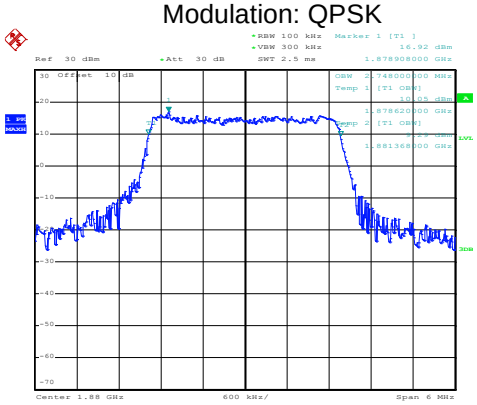
Lowest channel

Modulation:16QAM



Date: 3.JUL.2017 14:27:14

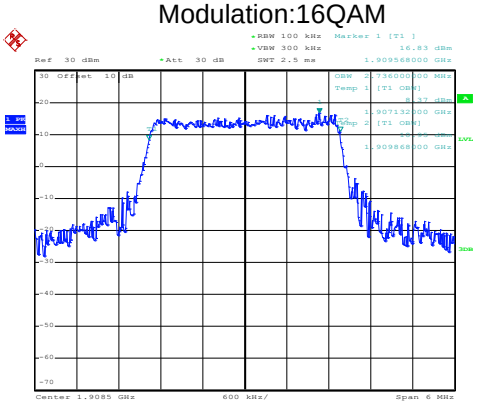
Modulation: QPSK



Date: 3.JUL.2017 14:27:05

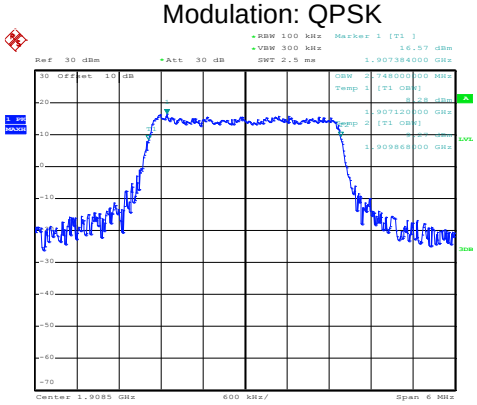
Middle channel

Modulation:16QAM



Date: 3.JUL.2017 14:28:22

Modulation: QPSK

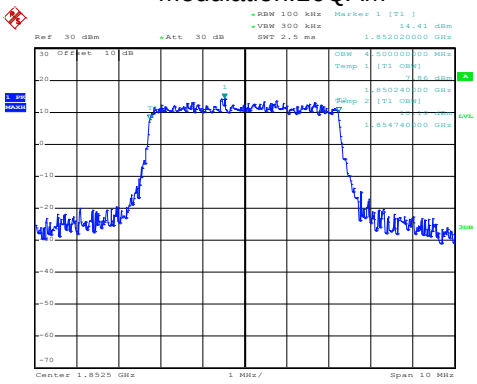


Date: 3.JUL.2017 14:28:13

Highest channel

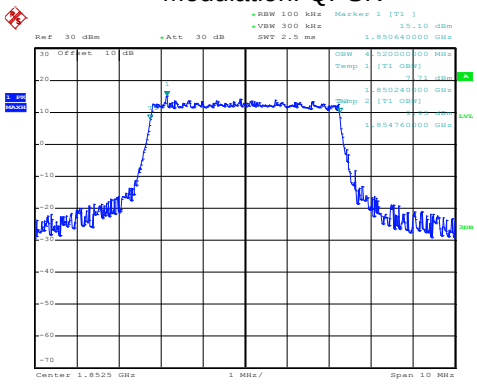
Test Item:99% Occupy bandwidth
BW: 5MHz

Modulation:16QAM



Date: 3.JUL.2017 14:29:49

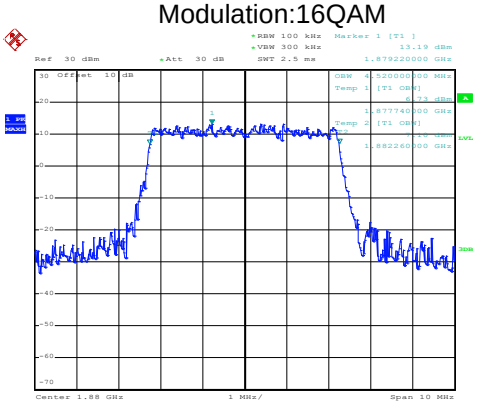
Modulation: QPSK



Date: 3.JUL.2017 14:29:35

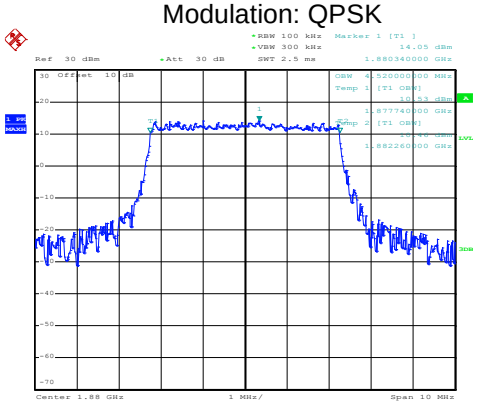
Lowest channel

Modulation:16QAM



Date: 3.JUL.2017 14:30:54

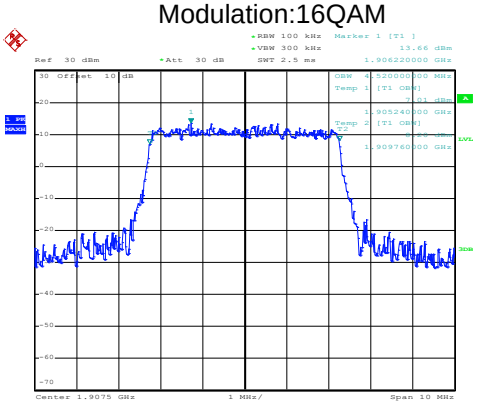
Modulation: QPSK



Date: 3.JUL.2017 14:30:46

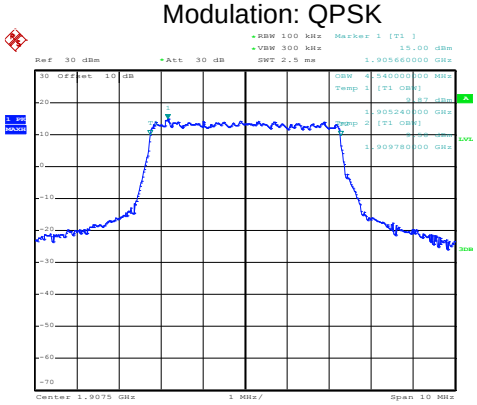
Middle channel

Modulation:16QAM



Date: 3.JUL.2017 14:53:38

Modulation: QPSK

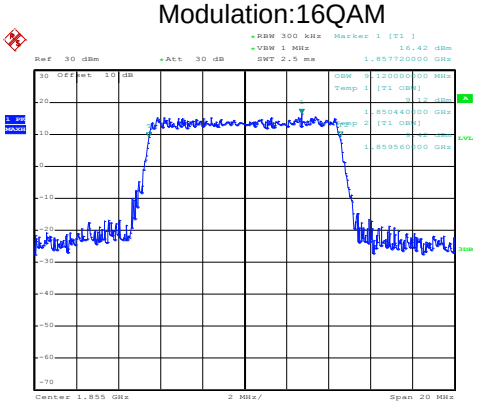


Date: 3.JUL.2017 14:53:27

Highest channel

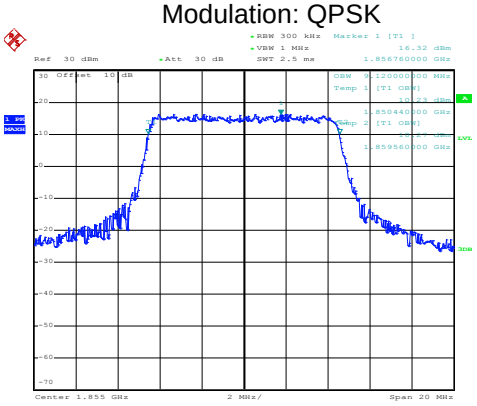
Test Item:99% Occupy bandwidth
BW: 10MHz

Modulation:16QAM



Date: 3.JUL.2017 14:32:29

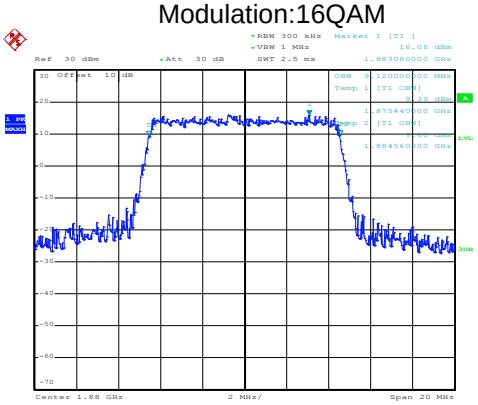
Modulation: QPSK



Date: 3.JUL.2017 14:32:20

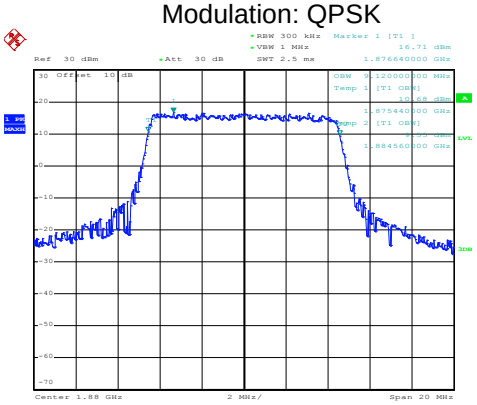
Lowest channel

Modulation:16QAM



Date: 3.JUL.2017 14:34:51

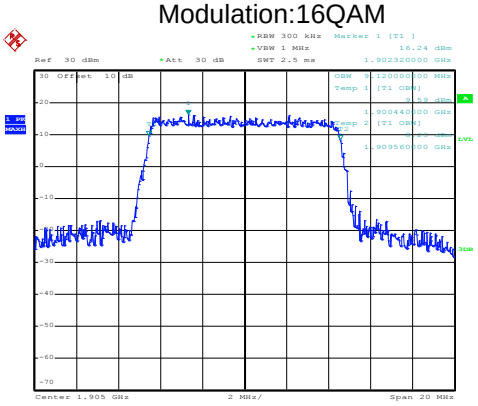
Modulation: QPSK



Date: 3.JUL.2017 14:34:41

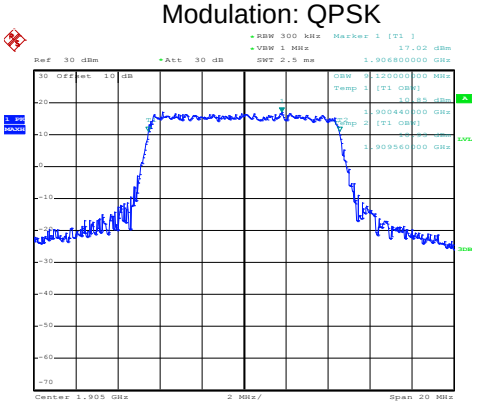
Middle channel

Modulation:16QAM



Date: 3.JUL.2017 14:35:48

Modulation: QPSK

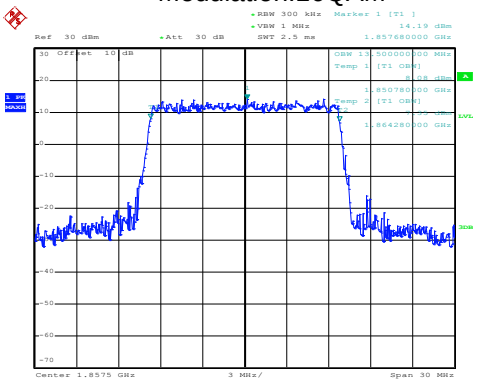


Date: 3.JUL.2017 14:35:40

Highest channel

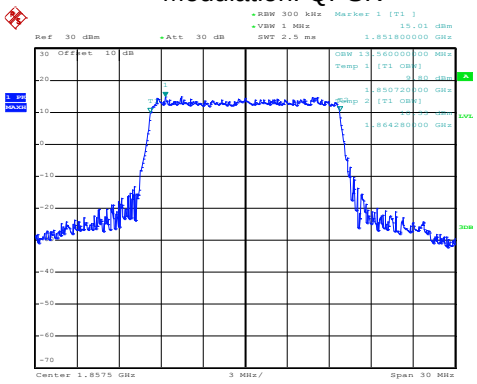
Test Item:99% Occupy bandwidth
BW: 15MHz

Modulation:16QAM



Date: 3.JUL.2017 14:37:23

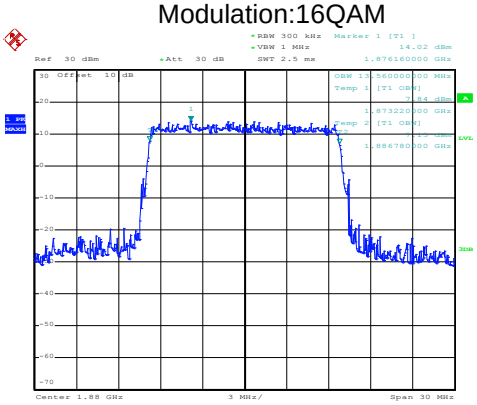
Modulation: QPSK



Date: 3.JUL.2017 14:37:14

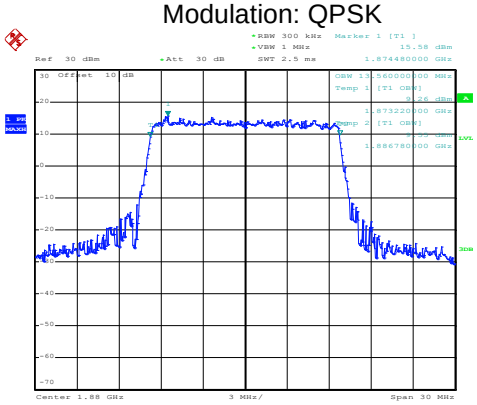
Lowest channel

Modulation:16QAM



Date: 3.JUL.2017 14:38:20

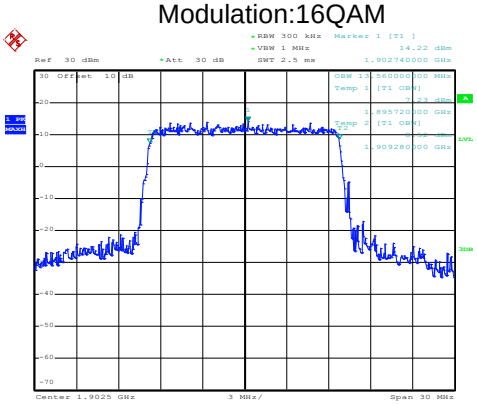
Modulation: QPSK



Date: 3.JUL.2017 14:38:15

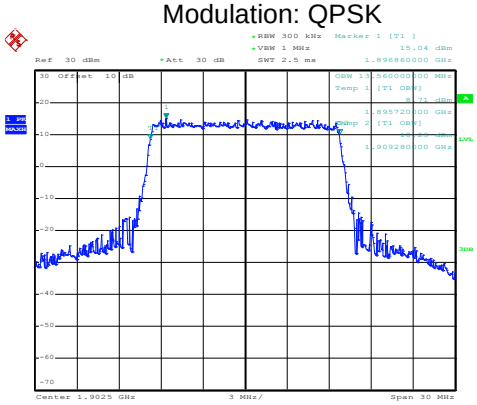
Middle channel

Modulation:16QAM



Date: 3.JUL.2017 14:39:14

Modulation: QPSK

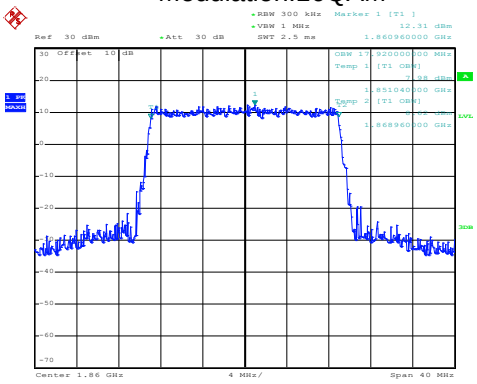


Date: 3.JUL.2017 14:39:07

Highest channel

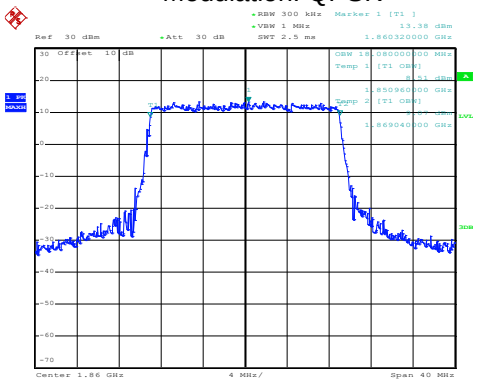
Test Item:99% Occupy bandwidth
BW: 20MHz

Modulation:16QAM



Date: 3.JUL.2017 14:40:38

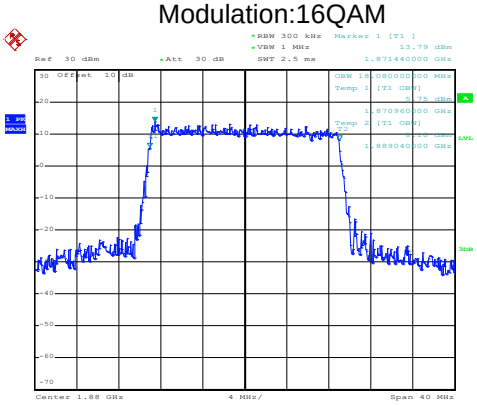
Modulation: QPSK



Date: 3.JUL.2017 14:40:30

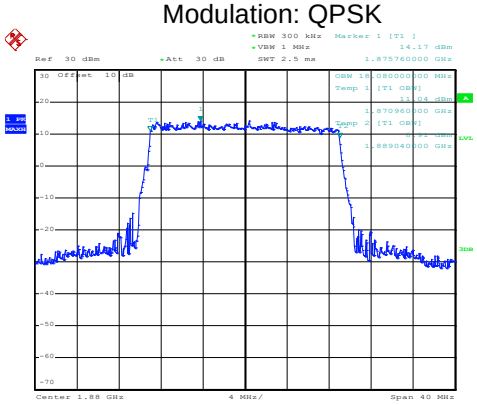
Lowest channel

Modulation:16QAM



Date: 3.JUL.2017 14:41:38

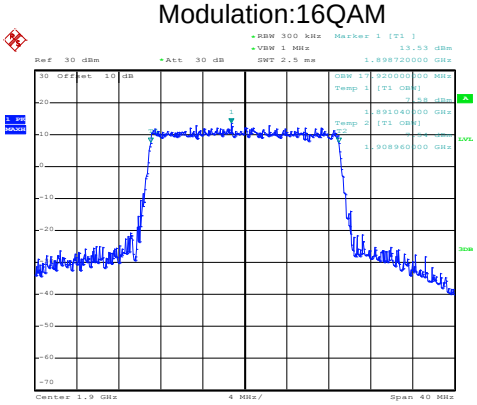
Modulation: QPSK



Date: 3.JUL.2017 14:41:29

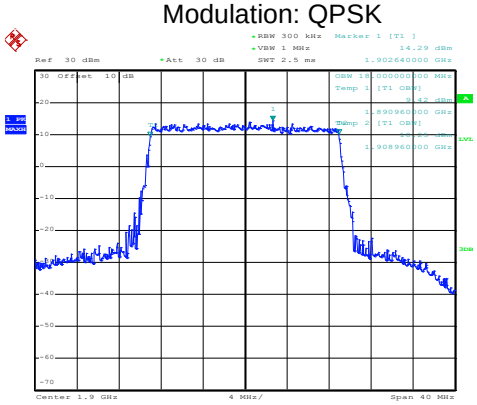
Middle channel

Modulation:16QAM



Date: 3.JUL.2017 14:42:44

Modulation: QPSK

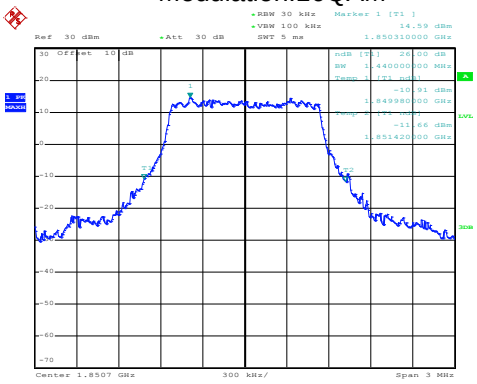


Date: 3.JUL.2017 14:42:38

Highest channel

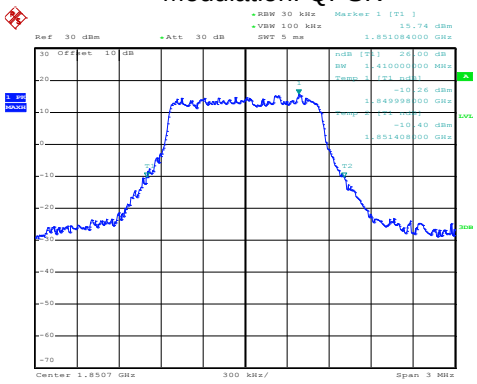
Test Item:-26dBc bandwidth
BW: 1.4MHz

Modulation:16QAM



Date: 3.JUL.2017 14:22:50

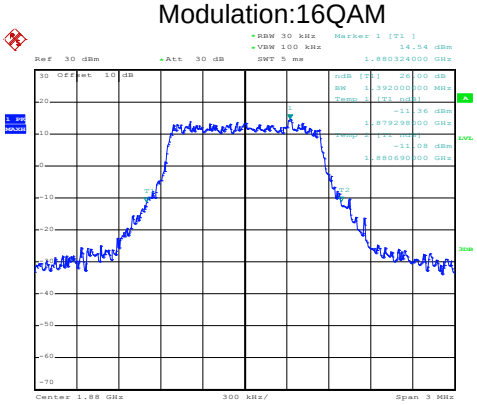
Modulation: QPSK



Date: 3.JUL.2017 14:22:06

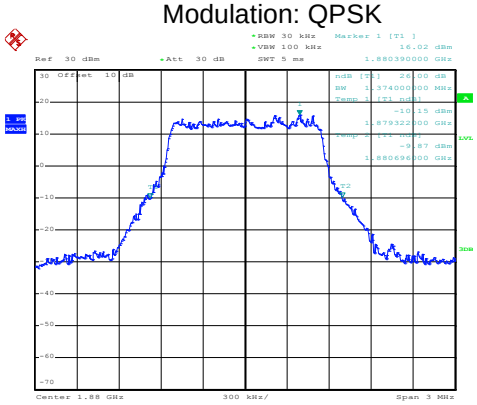
Lowest channel

Modulation:16QAM



Date: 3.JUL.2017 14:23:56

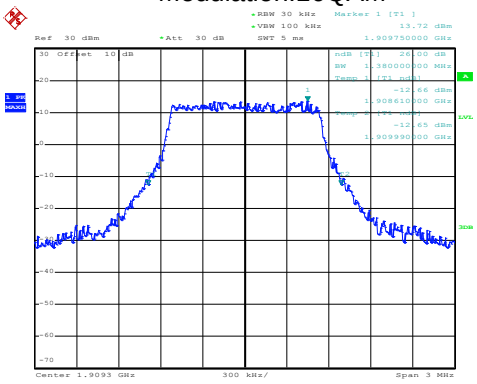
Modulation: QPSK



Date: 3.JUL.2017 14:23:50

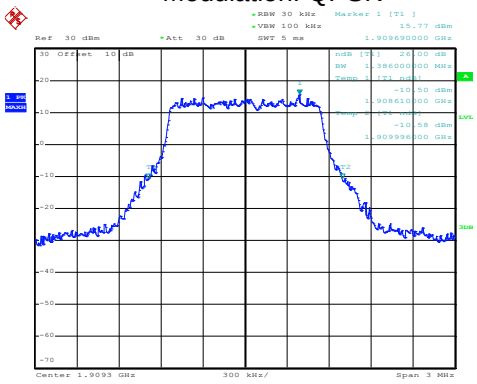
Middle channel

Modulation:16QAM



Date: 3.JUL.2017 14:24:58

Modulation: QPSK

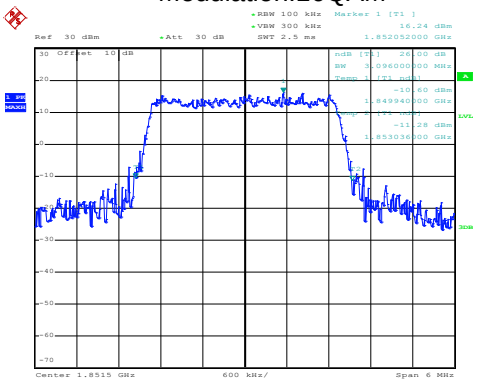


Date: 3.JUL.2017 14:24:52

Highest channel

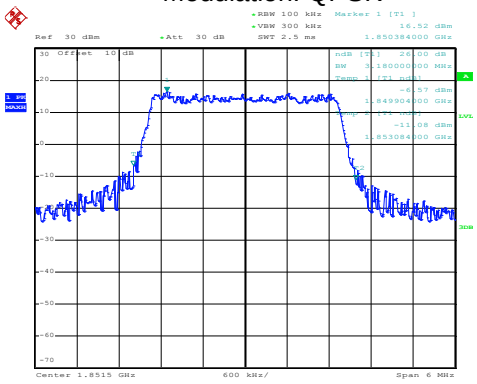
Test Item:-26dBc bandwidth
BW: 3MHz

Modulation:16QAM



Date: 3.JUL.2017 14:26:40

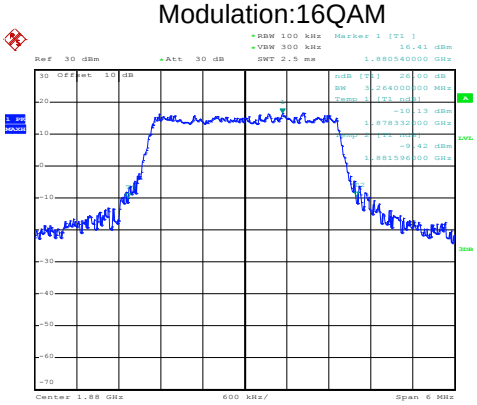
Modulation: QPSK



Date: 3.JUL.2017 14:26:35

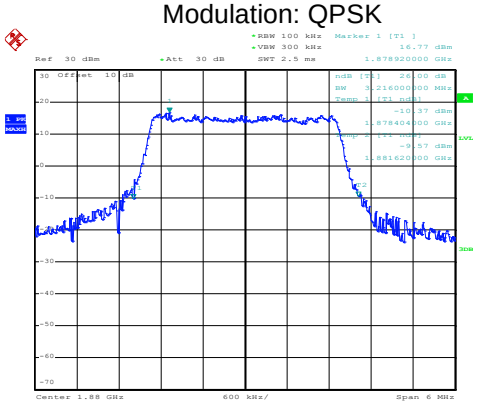
Lowest channel

Modulation:16QAM



Date: 3.JUL.2017 14:27:46

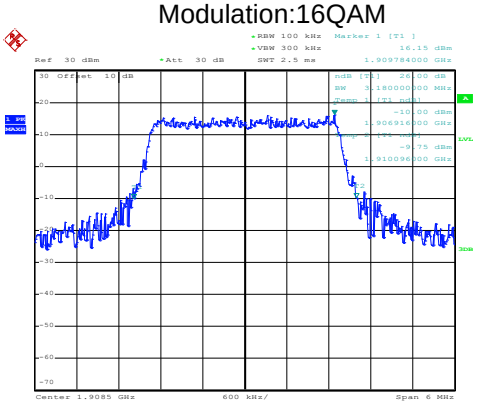
Modulation: QPSK



Date: 3.JUL.2017 14:27:31

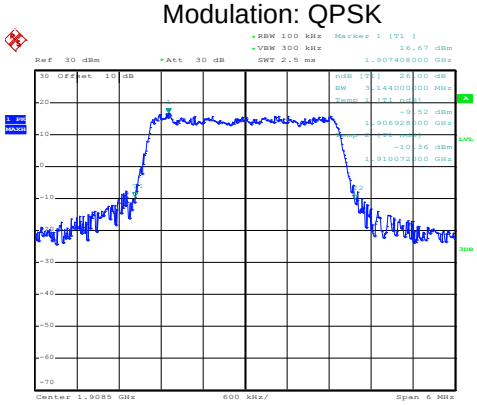
Middle channel

Modulation:16QAM



Date: 3.JUL.2017 14:28:41

Modulation: QPSK

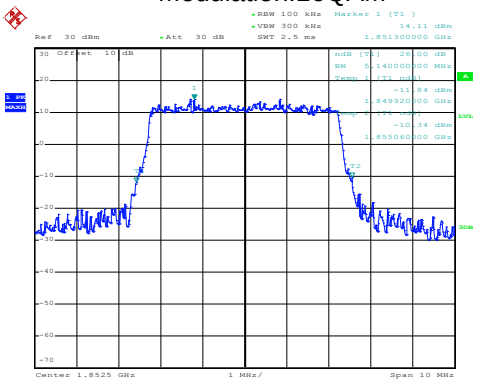


Date: 3.JUL.2017 14:28:34

Highest channel

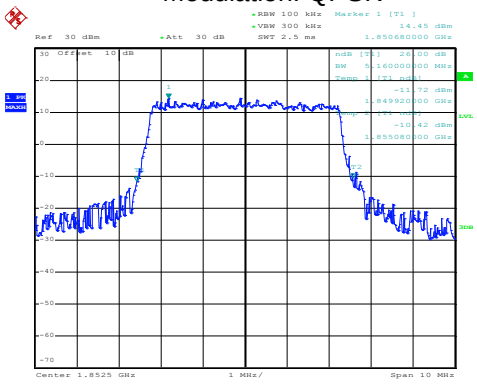
Test Item:-26dBc bandwidth
BW: 5MHz

Modulation:16QAM



Date: 3.JUL.2017 14:30:16

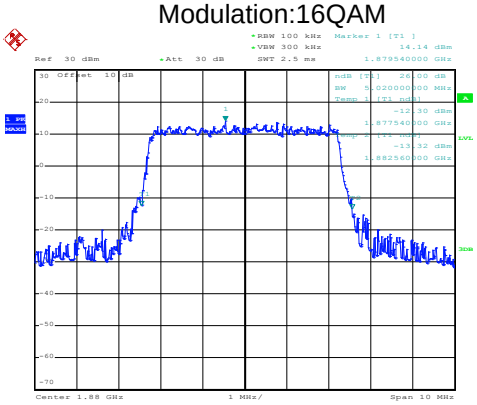
Modulation: QPSK



Date: 3.JUL.2017 14:30:04

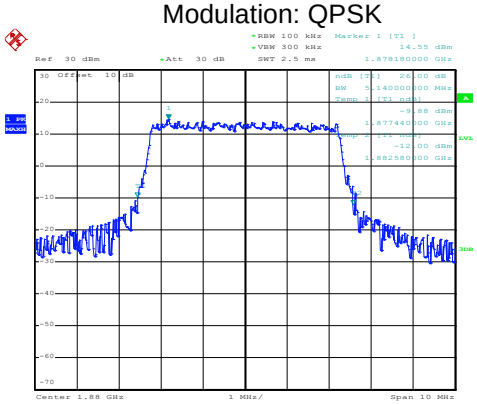
Lowest channel

Modulation:16QAM



Date: 3.JUL.2017 14:31:20

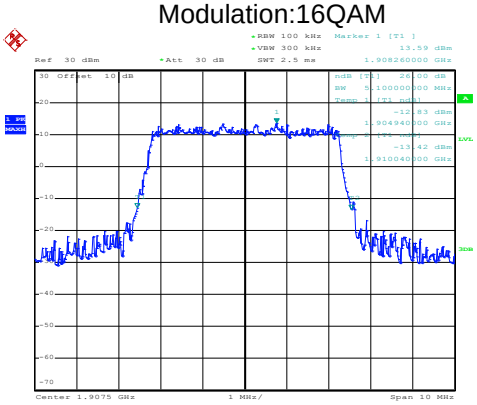
Modulation: QPSK



Date: 3.JUL.2017 14:31:12

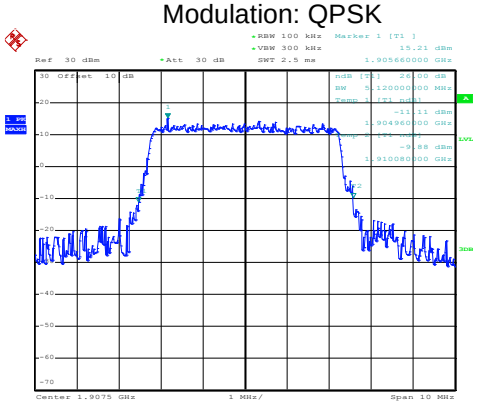
Middle channel

Modulation:16QAM



Date: 3.JUL.2017 14:53:58

Modulation: QPSK

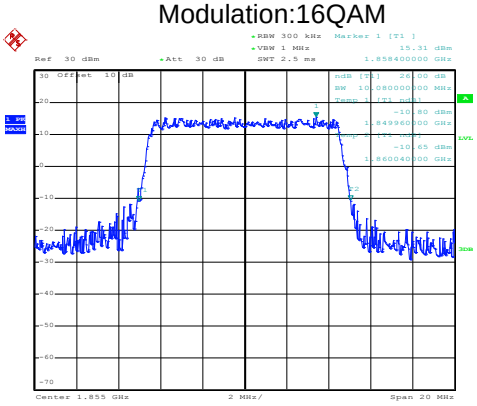


Date: 3.JUL.2017 14:53:50

Highest channel

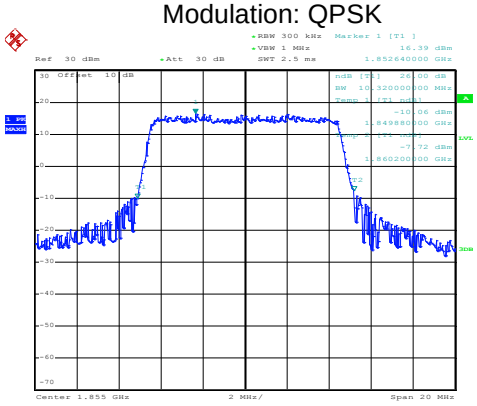
Test Item:-26dBc bandwidth
BW: 10MHz

Modulation:16QAM



Date: 3.JUL.2017 14:32:45

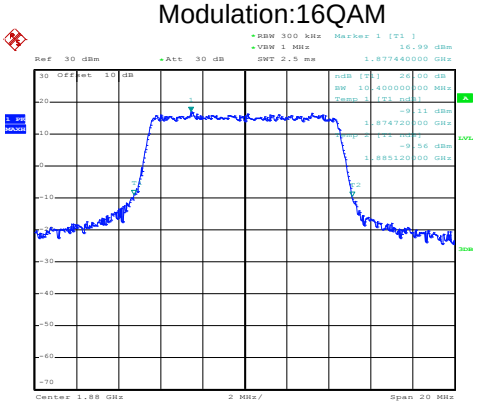
Modulation: QPSK



Date: 3.JUL.2017 14:32:40

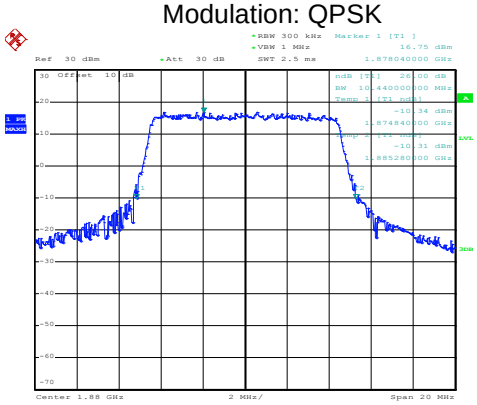
Lowest channel

Modulation:16QAM



Date: 3.JUL.2017 14:34:07

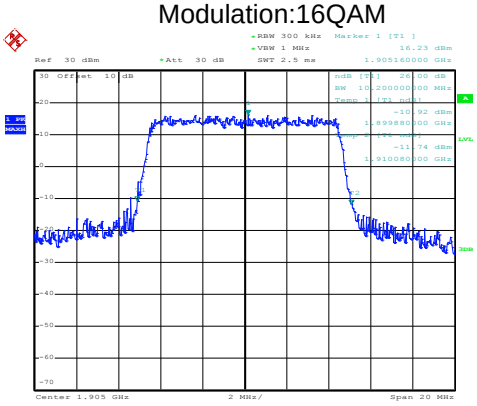
Modulation: QPSK



Date: 3.JUL.2017 14:33:37

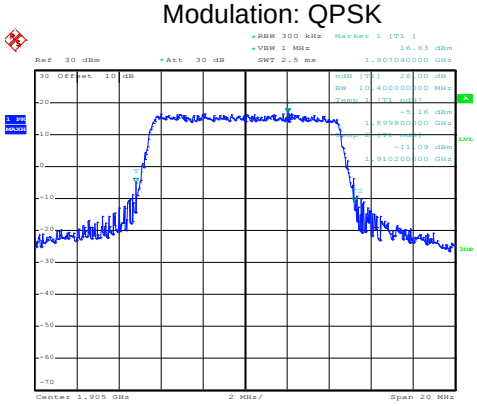
Middle channel

Modulation:16QAM



Date: 3.JUL.2017 14:36:05

Modulation: QPSK

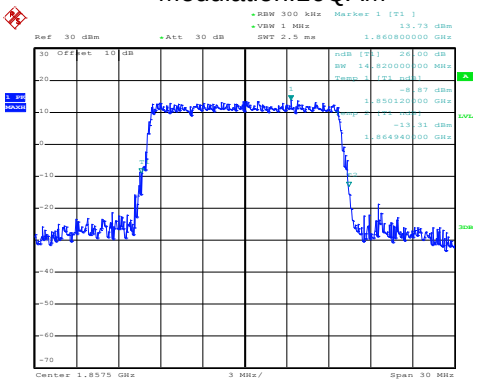


Date: 3.JUL.2017 14:35:58

Highest channel

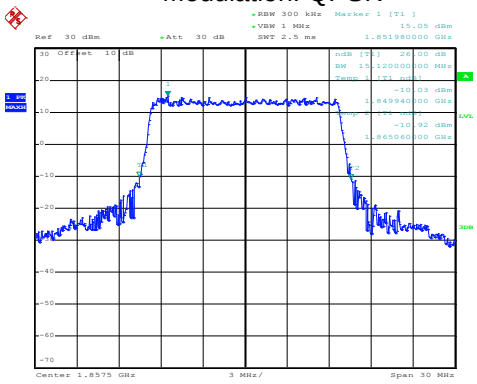
Test Item:-26dBc bandwidth
BW: 15MHz

Modulation:16QAM



Date: 3.JUL.2017 14:37:52

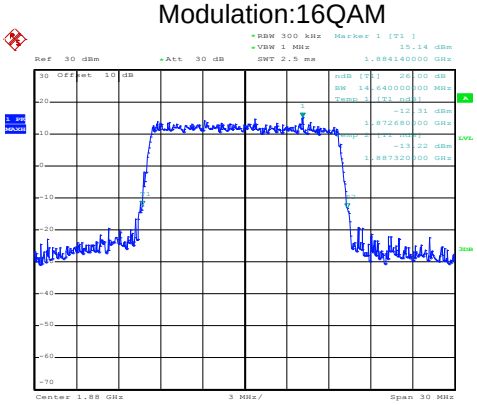
Modulation: QPSK



Date: 3.JUL.2017 14:37:47

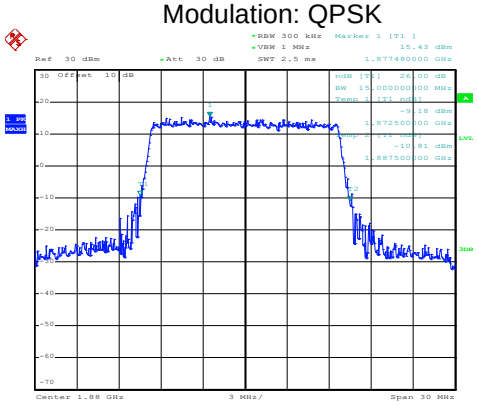
Lowest channel

Modulation:16QAM



Date: 3.JUL.2017 14:38:35

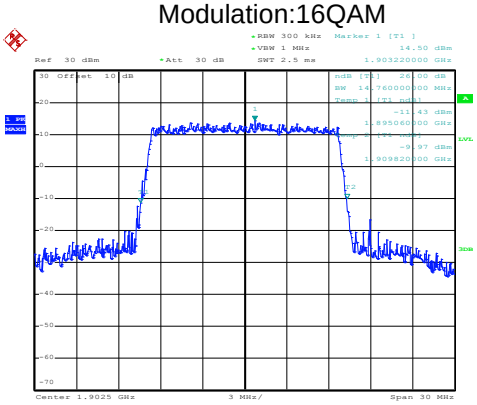
Modulation: QPSK



Date: 3.JUL.2017 14:38:30

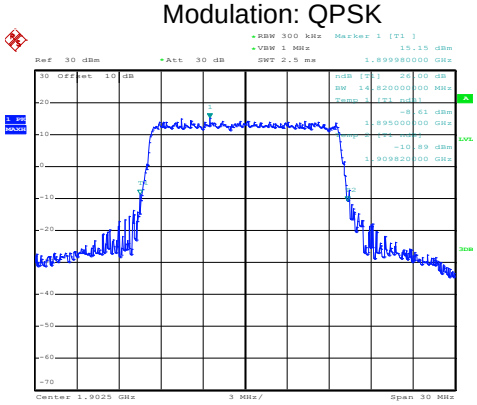
Middle channel

Modulation:16QAM



Date: 3.JUL.2017 14:39:34

Modulation: QPSK

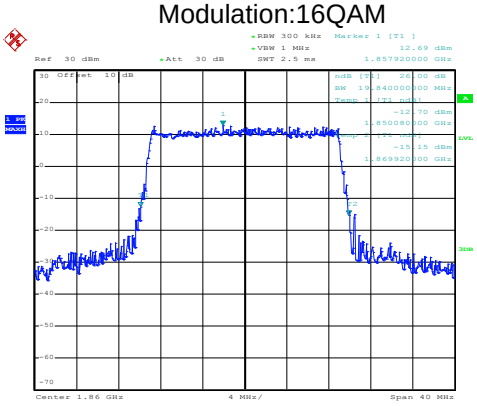


Date: 3.JUL.2017 14:39:25

Highest channel

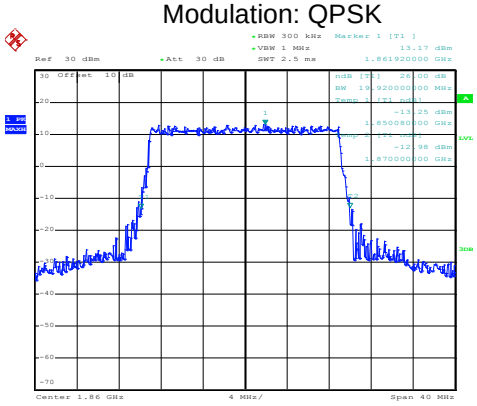
Test Item:-26dBc bandwidth
BW: 20MHz

Modulation:16QAM



Date: 3.JUL.2017 14:41:05

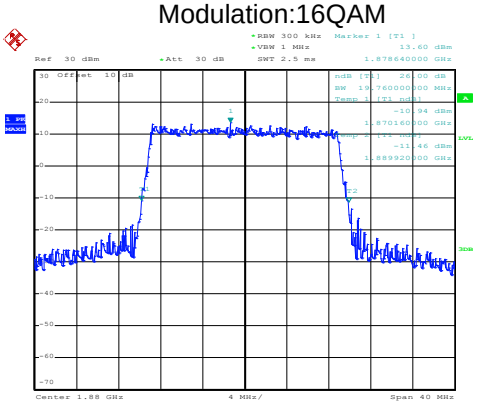
Modulation: QPSK



Date: 3.JUL.2017 14:40:51

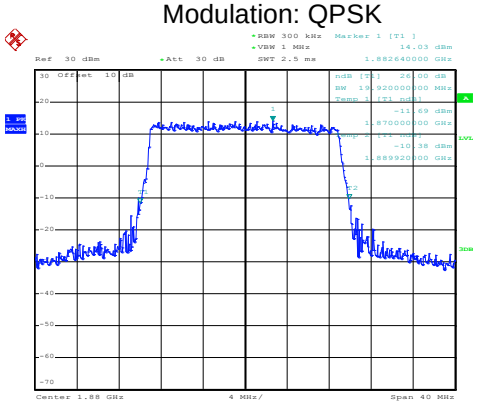
Lowest channel

Modulation:16QAM



Date: 3.JUL.2017 14:41:53

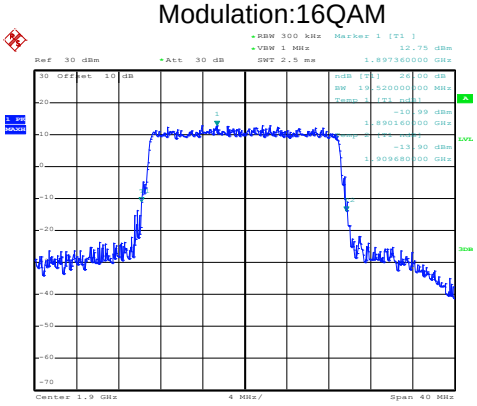
Modulation: QPSK



Date: 3.JUL.2017 14:41:47

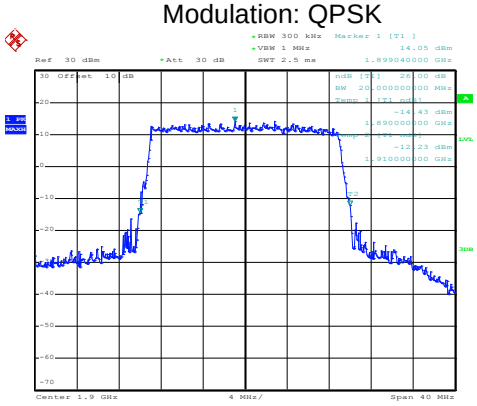
Middle channel

Modulation:16QAM



Date: 3.JUL.2017 14:43:00

Modulation: QPSK



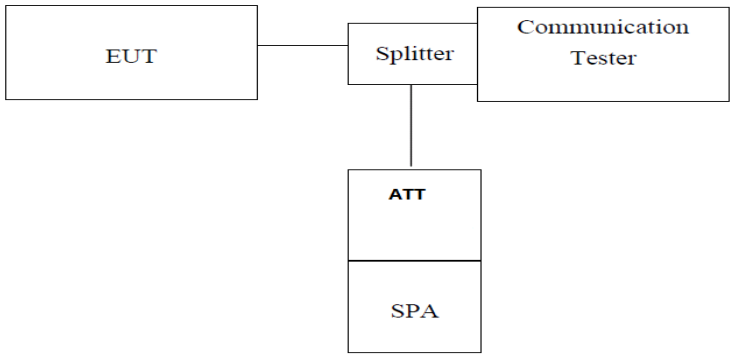
Date: 3.JUL.2017 14:42:54

Highest channel

6.8 Modulation Characteristic

According to FCC § 2.1047(d), Part 24E there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.

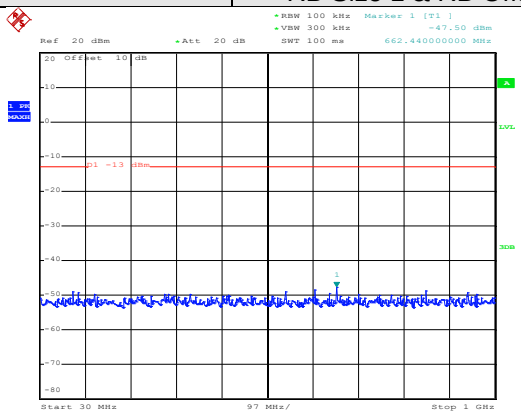
6.9 Out of band emission at antenna terminals

Test Requirement:	Part 24.238 (a)
Test Method:	FCC part2.1051
Limit:	Band2: The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 $\log_{10}$(P) dB (-13 dBm). Band7: For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz.
Test setup:	 ***Note:*** *Measurement setup for testing on Antenna connector*
Test Procedure:	1 The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation. 2 The resolution bandwidth of the spectrum analyzer was set at 100 kHz when below 1GHz, 1MHz when above 1 GHz; sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic. 3 For the out of band: Set the RBW=100 kHz, VBW=300 kHz when below 1 GHz, RBW =1 MHz, VBW=3 MHz when above 1 GHz, Start=30MHz, Stop= 10th harmonic. 4 Band Edge Requirements: In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to measure the out of band Emissions.
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Test plots as follows:

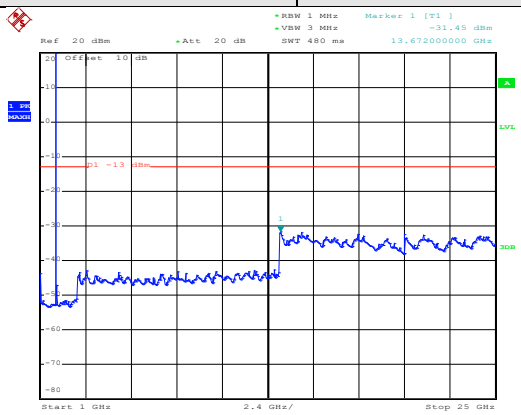
Spurious emission
LTE band 2 Part: 1.4MHz

Test Mode:	LTE band 2(1.4 MHz 16QAM) RB Size 1 & RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:25:28

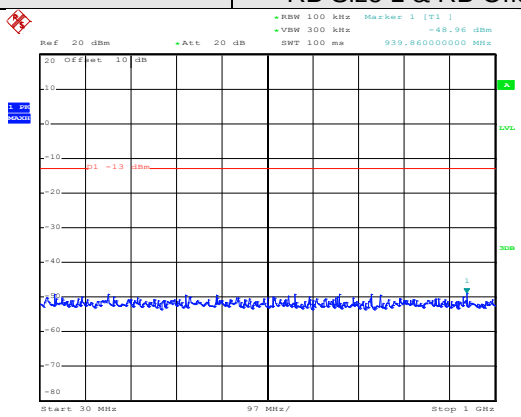
30MHz~1GHz



Date: 3.JUL.2017 15:03:09

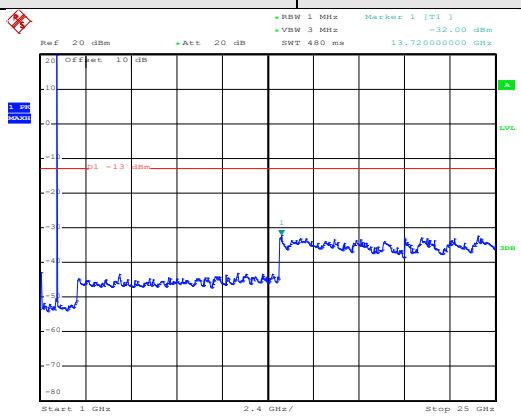
1GHz~25GHz

Test Mode:	LTE band 2(1.4 MHz 16QAM) RB Size 1 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:26:11

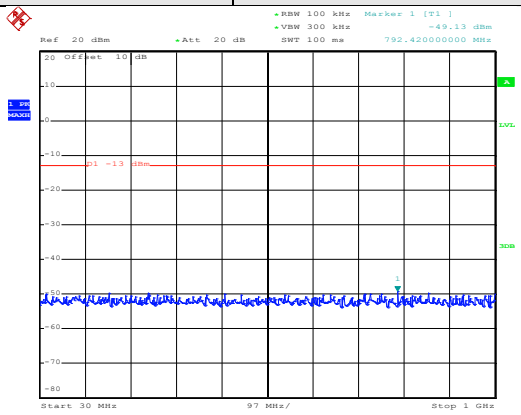
30MHz~1GHz



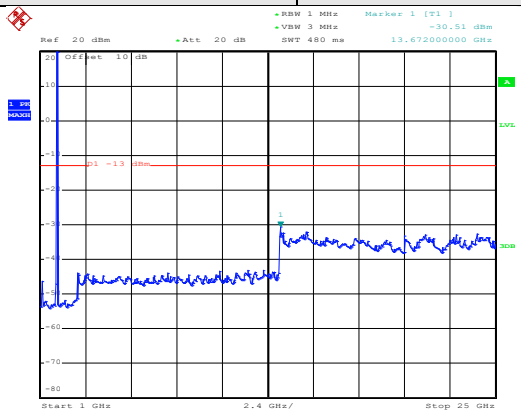
Date: 3.JUL.2017 15:06:12

1GHz~25GHz

Test Mode:	LTE band 2(1.4 MHz16QAM) RB Size 1 & RB Offset 0	Test Channel:	Highest channel

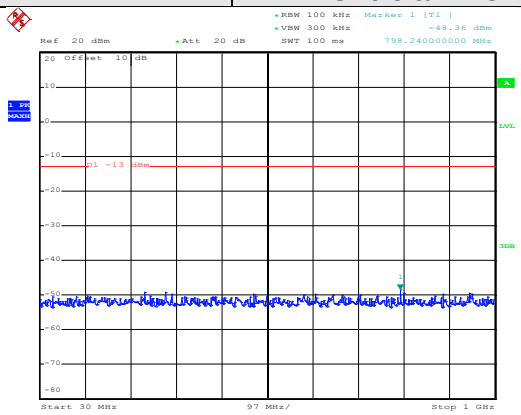


30MHz~1GHz

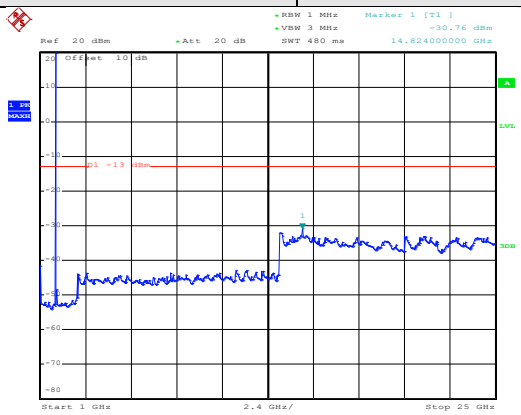


1GHz~25GHz

Test Mode:	LTE band 2(1.4 MHz 16QAM) RB Size 3 & RB Offset 0	Test Channel:	Lowest channel

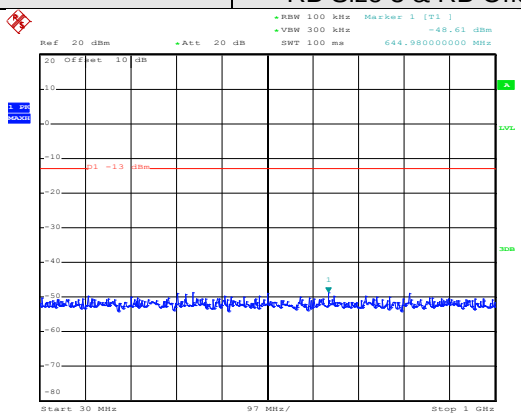


30MHz~1GHz



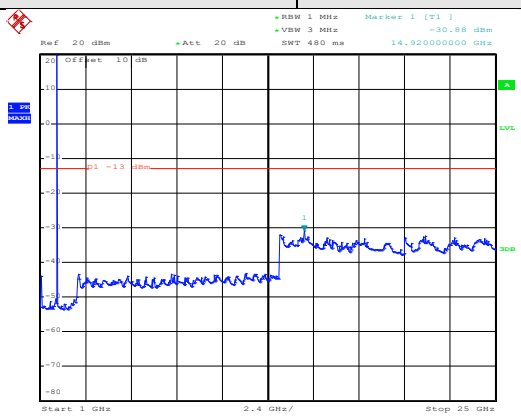
1GHz~25GHz

Test Mode:	LTE band 2(1.4 MHz 16QAM) RB Size 3 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:26:24

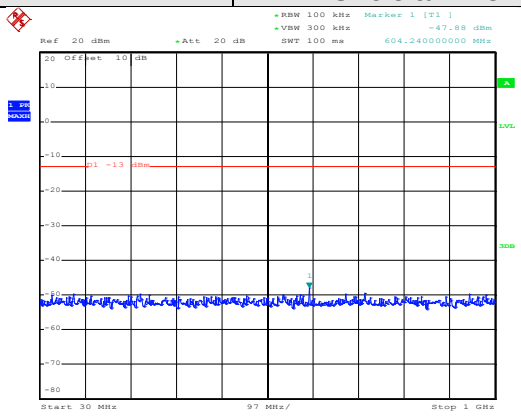
30MHz~1GHz



Date: 3.JUL.2017 15:07:13

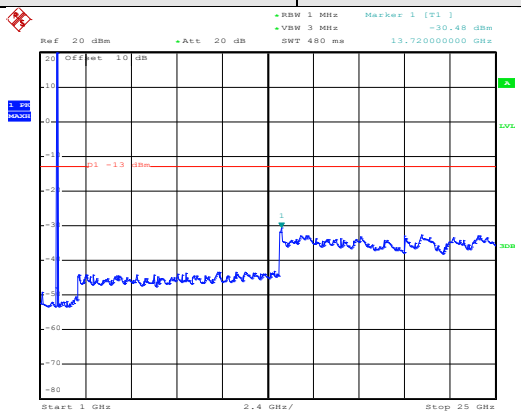
1GHz~25GHz

Test Mode:	LTE band 2(1.4 MHz16QAM) RB Size 3 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:27:04

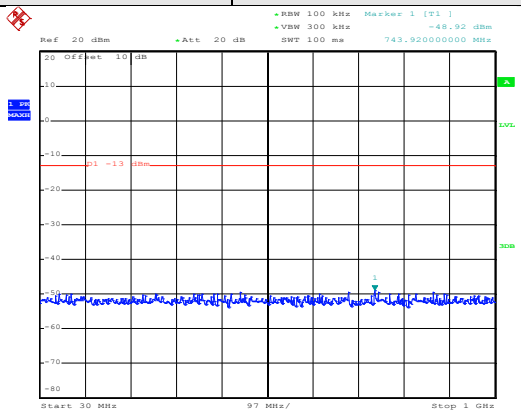
30MHz~1GHz



Date: 3.JUL.2017 15:09:52

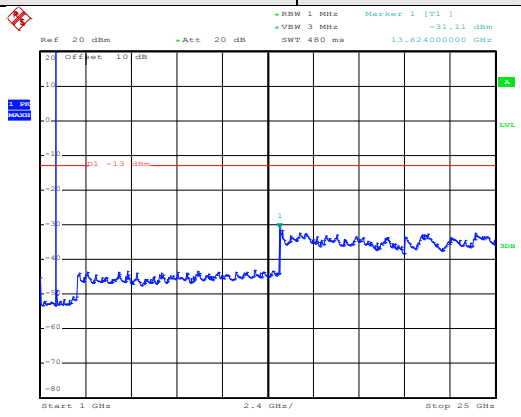
1GHz~25GHz

Test Mode:	LTE band 2(1.4 MHz 16QAM) RB Size 6 & RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:25:55

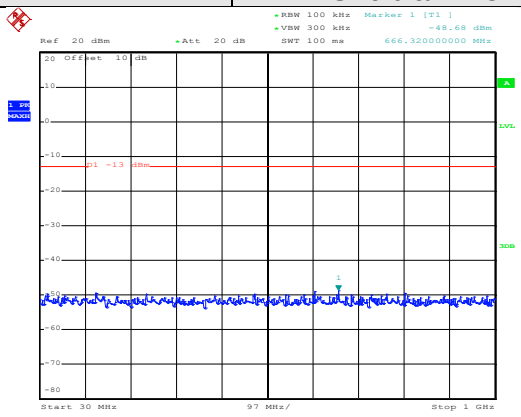
30MHz~1GHz



Date: 3.JUL.2017 15:05:22

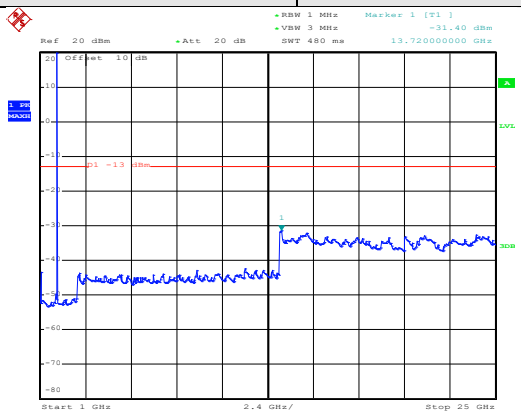
1GHz~25GHz

Test Mode:	LTE band 2(1.4 MHz 16QAM) RB Size 6 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:26:37

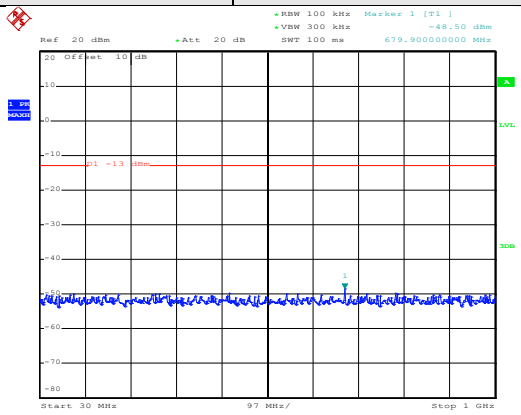
30MHz~1GHz



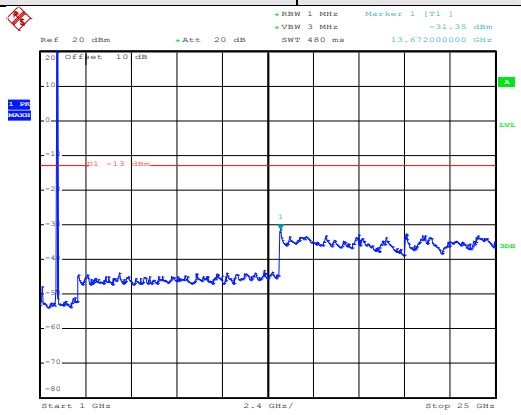
Date: 3.JUL.2017 15:08:12

1GHz~25GHz

Test Mode:	LTE band 2(1.4 MHz 16QAM) RB Size 6 & RB Offset 0	Test Channel:	Highest channel

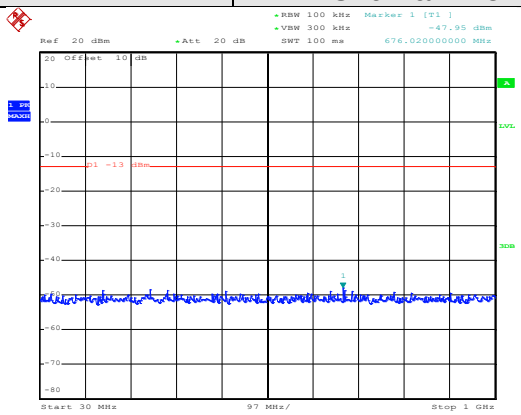


30MHz~1GHz

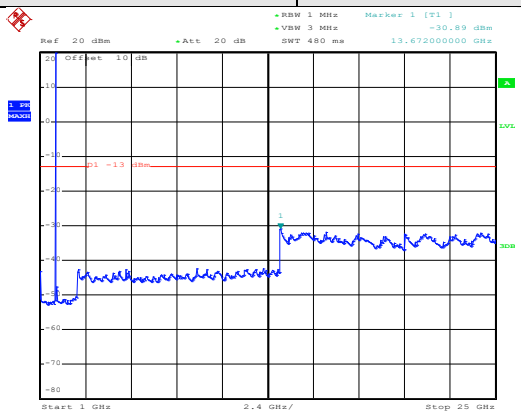


1GHz~25GHz

Test Mode:	LTE band 2(1.4 MHz QPSK) RB Size 1 & RB Offset 0	Test Channel:	Lowest channel

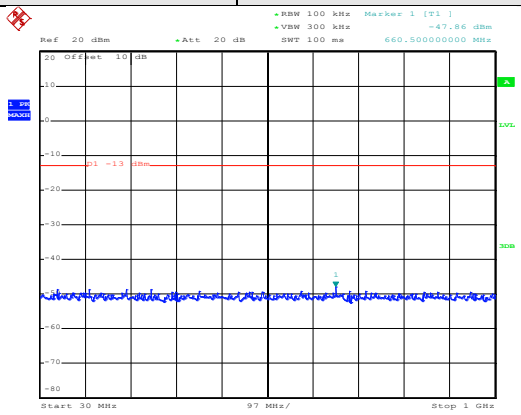


30MHz~1GHz



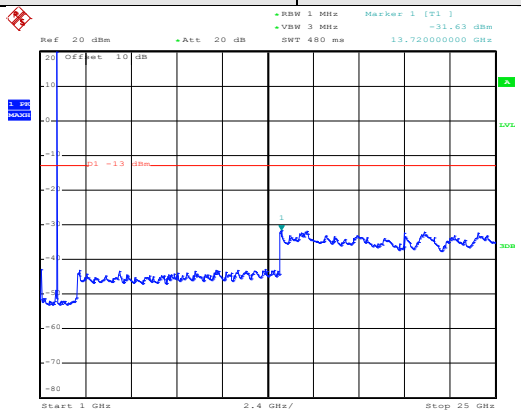
1GHz~25GHz

Test Mode:	LTE band 2(1.4 MHz QPSK) RB Size 1 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:26:07

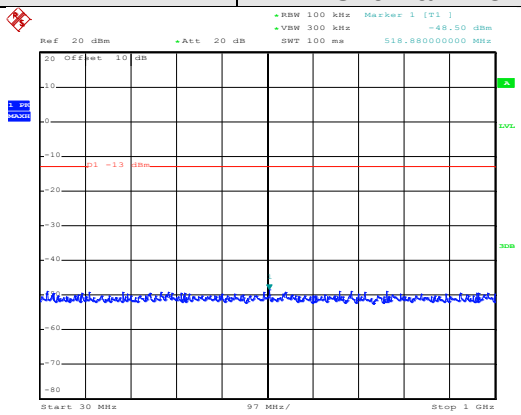
30MHz~1GHz



Date: 3.JUL.2017 15:06:25

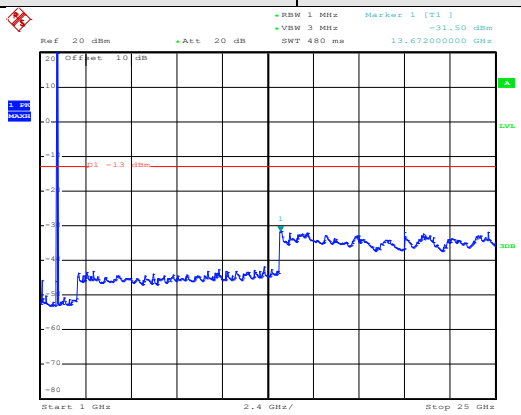
1GHz~25GHz

Test Mode:	LTE band 2(1.4 MHz QPSK) RB Size 1 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:26:47

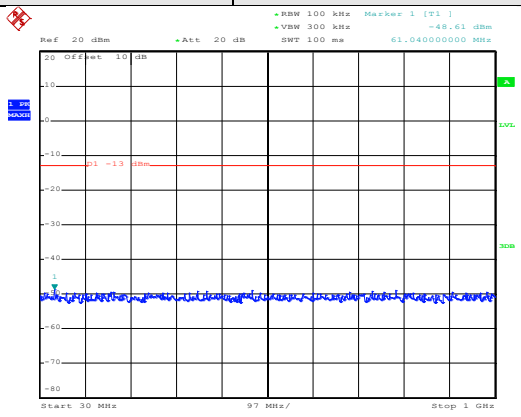
30MHz~1GHz



Date: 3.JUL.2017 15:08:51

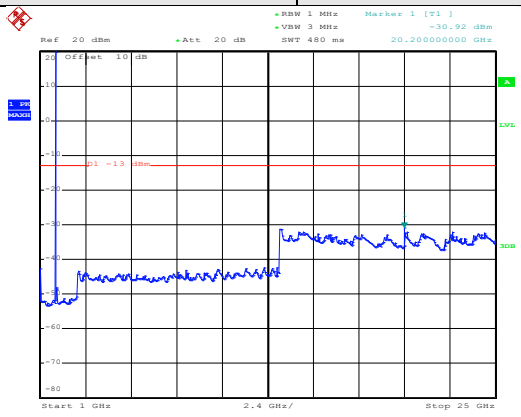
1GHz~25GHz

Test Mode:	LTE band 2(1.4 MHz QPSK) RB Size 3 & RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:25:38

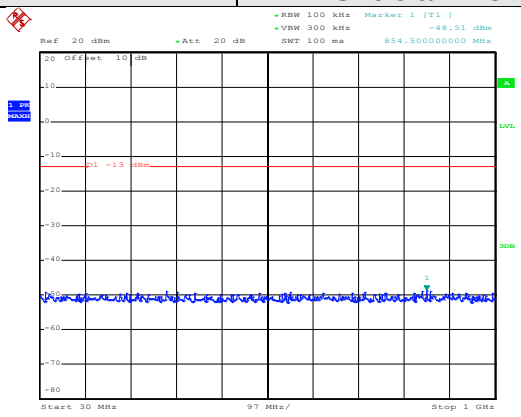
30MHz~1GHz



Date: 3.JUL.2017 15:03:52

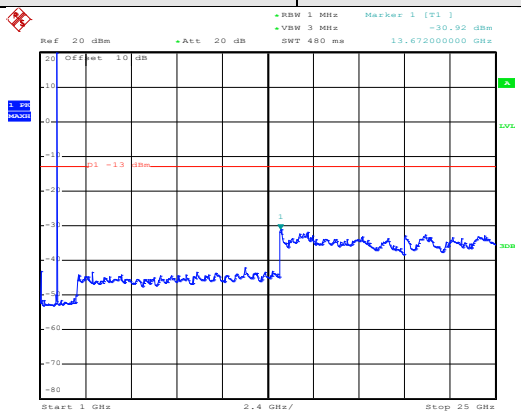
1GHz~25GHz

Test Mode:	LTE band 2(1.4 MHz QPSK) RB Size 3 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:26:20

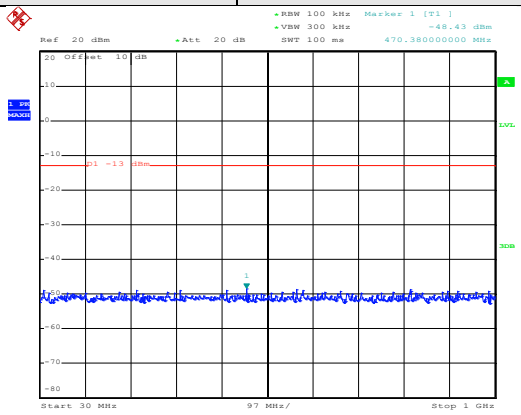
30MHz~1GHz



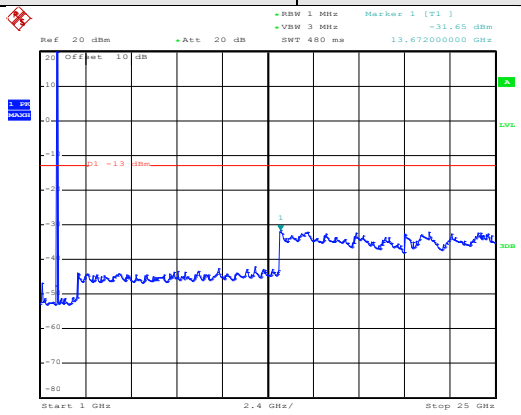
Date: 3.JUL.2017 15:06:55

1GHz~25GHz

Test Mode:	LTE band 2(1.4 MHz QPSK) RB Size 3 & RB Offset 0	Test Channel:	Highest channel

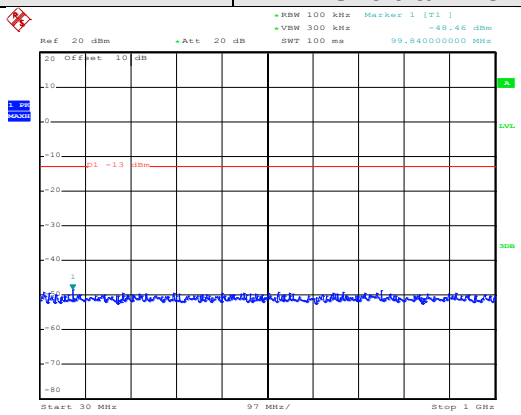


30MHz~1GHz

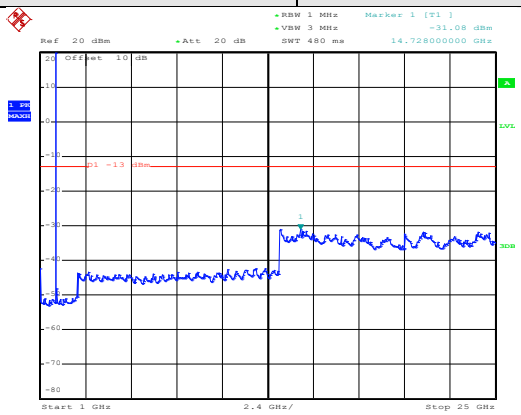


1GHz~25GHz

Test Mode:	LTE band 2(1.4 MHz QPSK) RB Size 6 & RB Offset 0	Test Channel:	Lowest channel

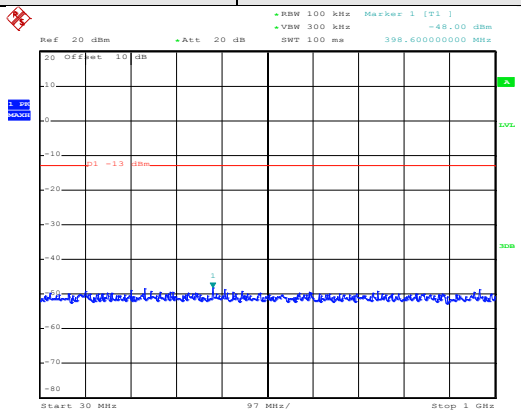


30MHz~1GHz



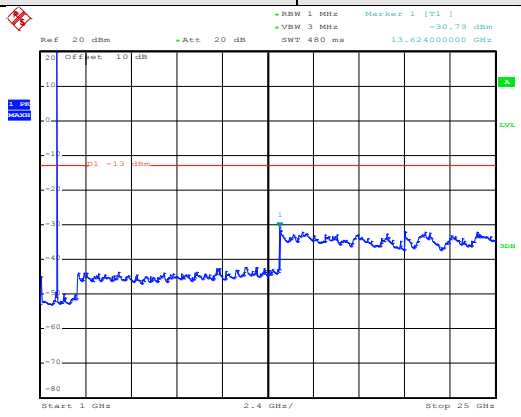
1GHz~25GHz

Test Mode:	LTE band 2(1.4 MHz QPSK) RB Size 6 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:26:33

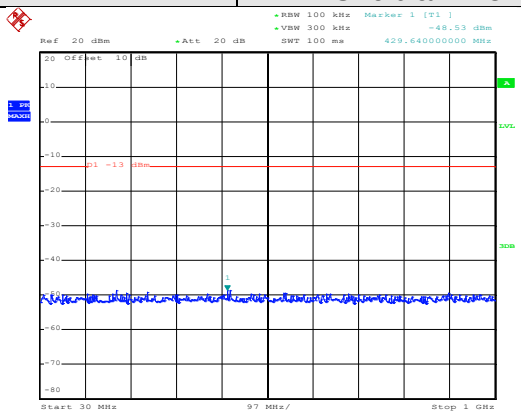
30MHz~1GHz



Date: 3.JUL.2017 15:07:52

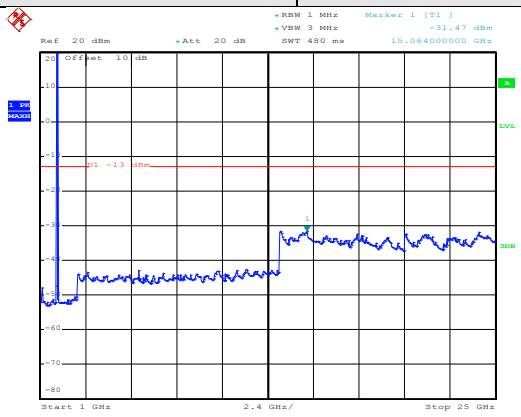
1GHz~25GHz

Test Mode:	LTE band 2(1.4 MHz QPSK) RB Size 6 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:27:12

30MHz~1GHz

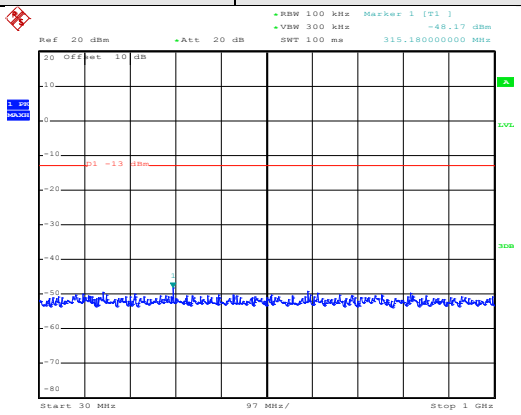


Date: 3.JUL.2017 15:10:33

1GHz~25GHz

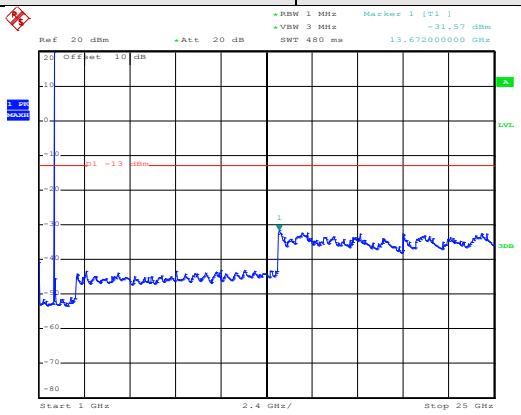
3MHz

Test Mode:	LTE band 2(3MHz 16QAM) RB Size 1 & RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:27:56

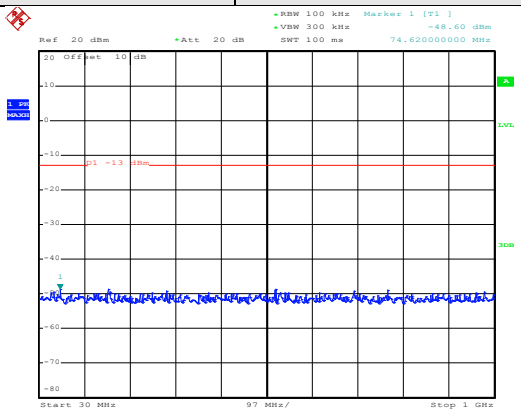
30MHz~1GHz



Date: 3.JUL.2017 15:13:01

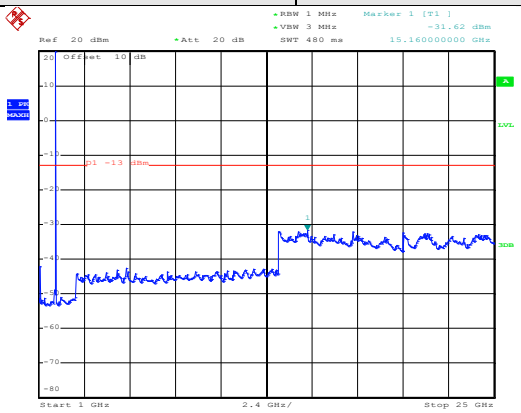
1GHz~25GHz

Test Mode:	LTE band 2(3MHz 16QAM) RB Size 1 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:28:42

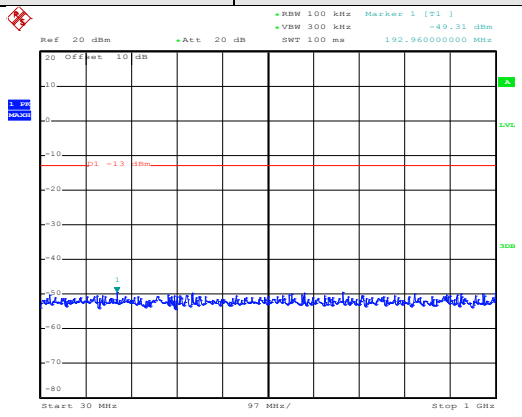
30MHz~1GHz



Date: 3.JUL.2017 15:16:19

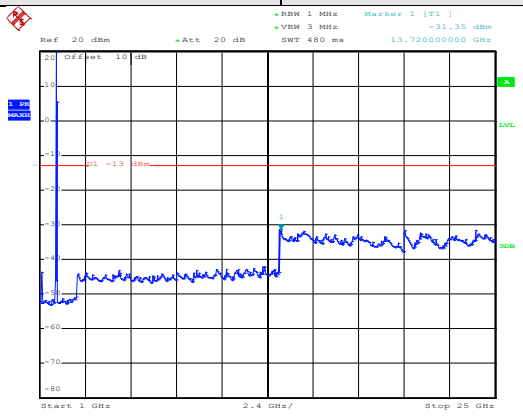
1GHz~25GHz

Test Mode:	LTE band 2(3MHz 16QAM) RB Size 1 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:29:22

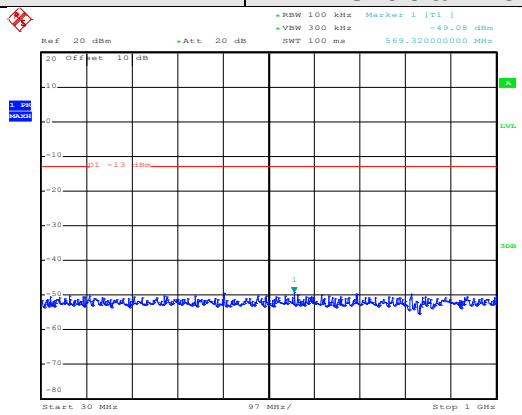
30MHz~1GHz



Date: 3.JUL.2017 15:19:34

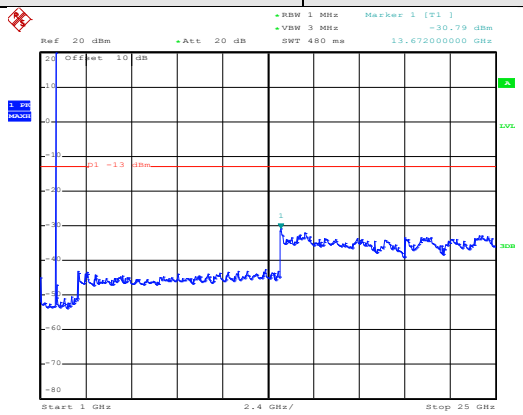
1GHz~25GHz

Test Mode:	LTE band 2(3MHz 16QAM) RB Size 8 & RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:28:10

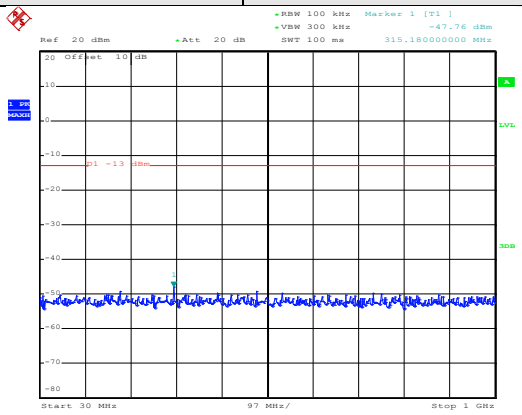
30MHz~1GHz



Date: 3.JUL.2017 15:14:03

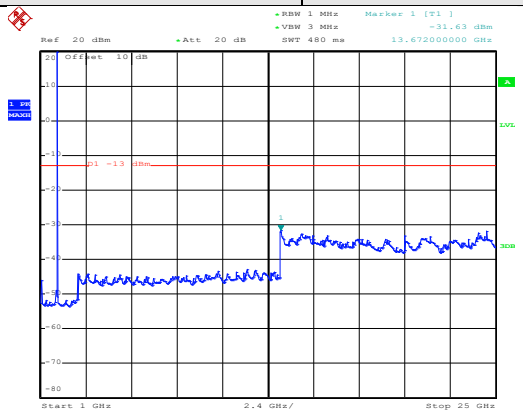
1GHz~25GHz

Test Mode:	LTE band 2(3MHz 16QAM) RB Size 8 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:28:55

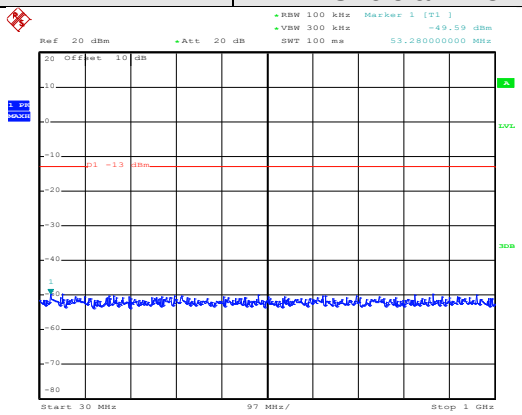
30MHz~1GHz



Date: 3.JUL.2017 15:17:14

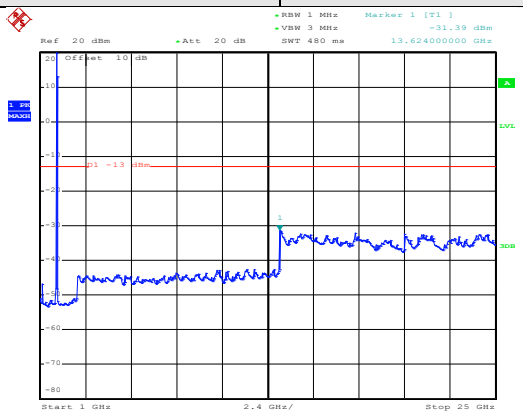
1GHz~25GHz

Test Mode:	LTE band 2(3MHz 16QAM) RB Size 8 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:29:34

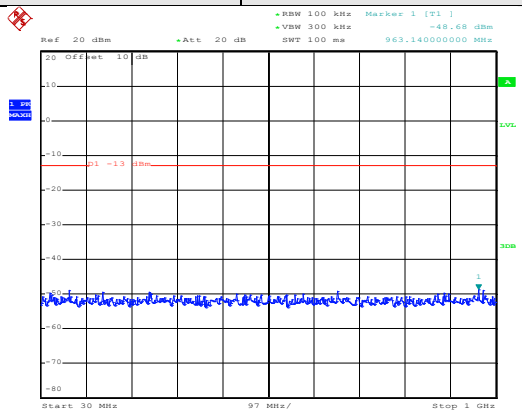
0MHz~1GHz



Date: 3.JUL.2017 15:21:13

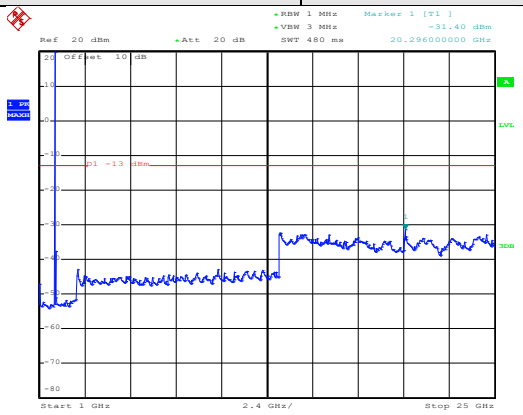
1GHz~25GHz

Test Mode:	LTE band 2(3MHz 16QAM) RB Size 15 & RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:28:24

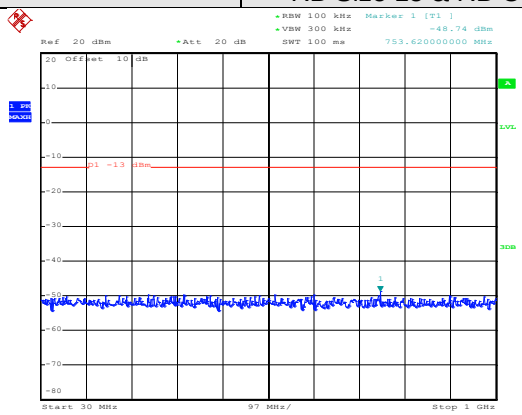
30MHz~1GHz



Date: 3.JUL.2017 15:14:55

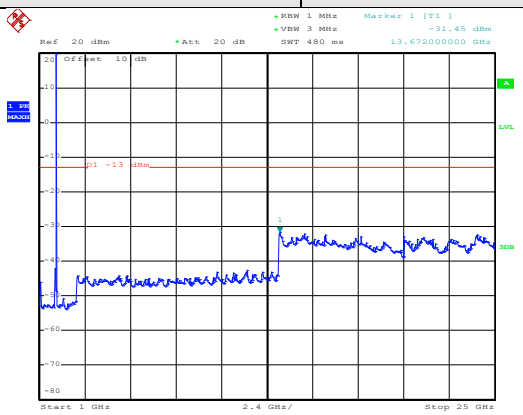
1GHz~25GHz

Test Mode:	LTE band 2(3MHz 16QAM) RB Size 15 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:29:08

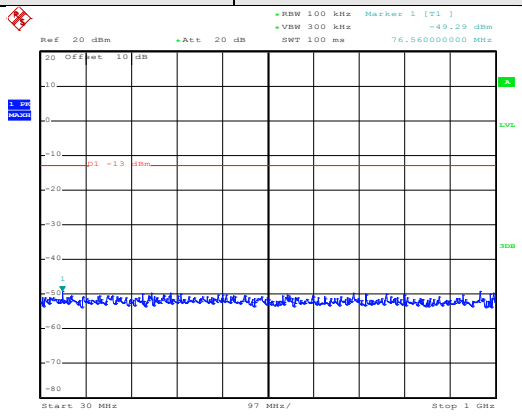
30MHz~1GHz



Date: 3.JUL.2017 15:18:08

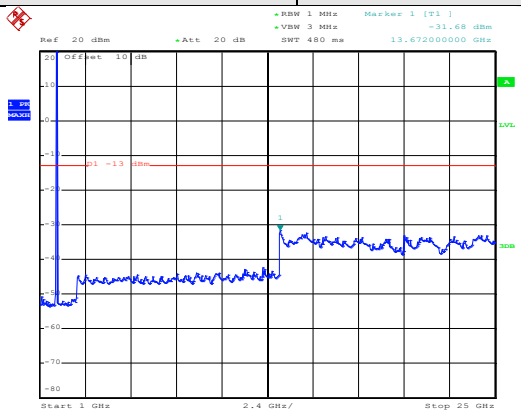
1GHz~25GHz

Test Mode:	LTE band 2(3MHz 16QAM) RB Size 15 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:29:47

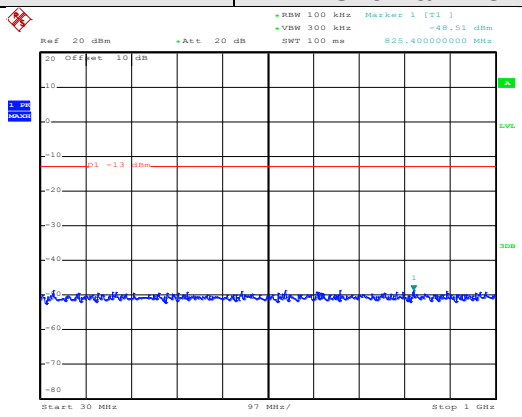
30MHz~1GHz



Date: 3.JUL.2017 15:22:05

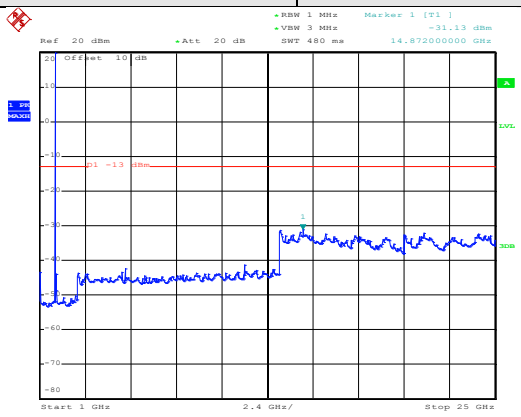
1GHz~25GHz

Test Mode:	LTE band 2(3MHz QPSK) RB Size 1 & RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:27:52

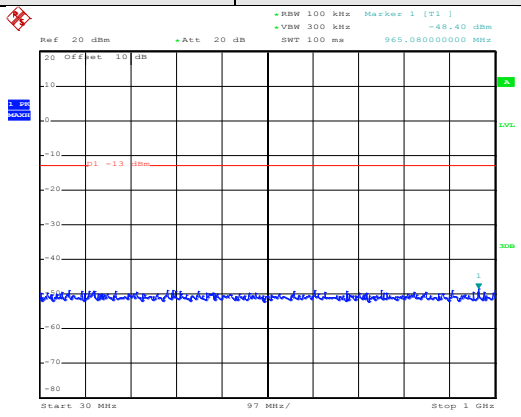
30MHz~1GHz



Date: 3.JUL.2017 15:12:30

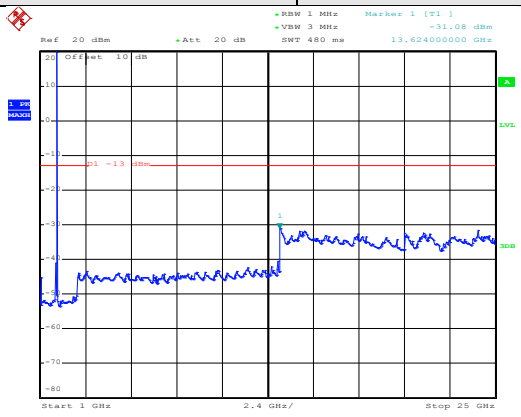
1GHz~25GHz

Test Mode:	LTE band 2(3MHz QPSK) RB Size 1 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:28:35

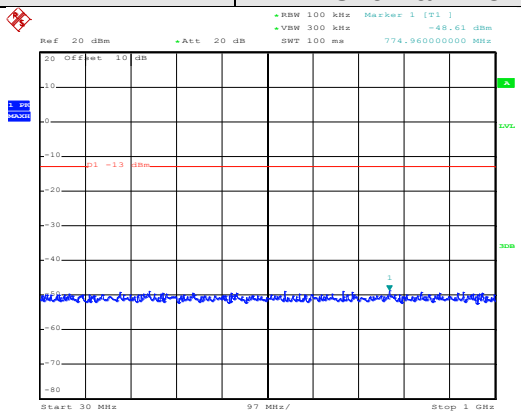
30MHz~1GHz



Date: 3.JUL.2017 15:15:53

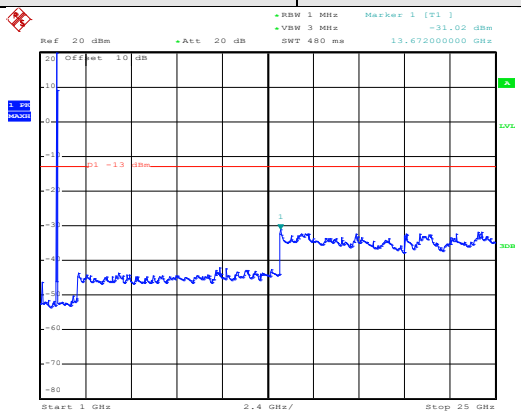
1GHz~25GHz

Test Mode:	LTE band 2(3MHz QPSK) RB Size 1 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:29:18

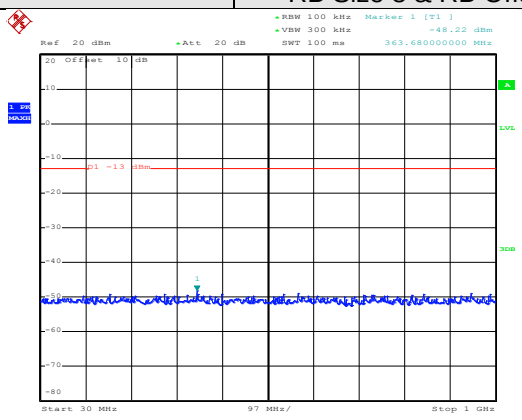
30MHz~1GHz



Date: 3.JUL.2017 15:18:52

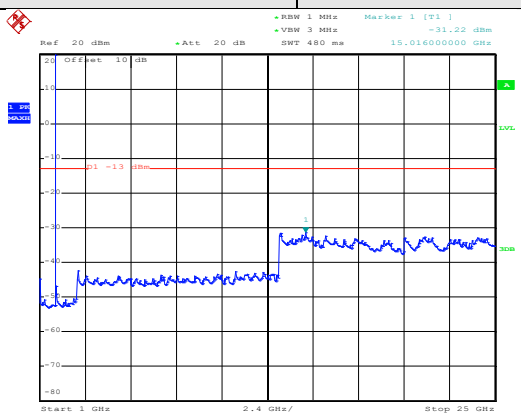
1GHz~25GHz

Test Mode:	LTE band 2(3MHz QPSK) RB Size 8 & RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:28:05

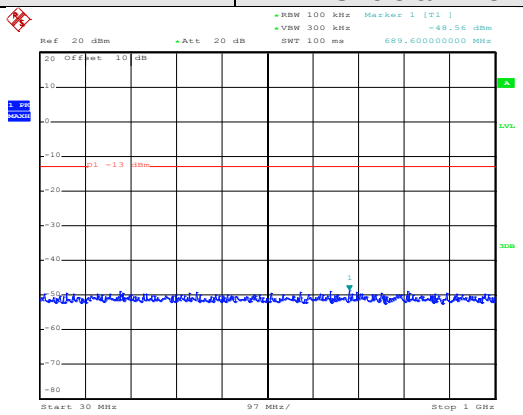
30MHz~1GHz



Date: 3.JUL.2017 15:13:42

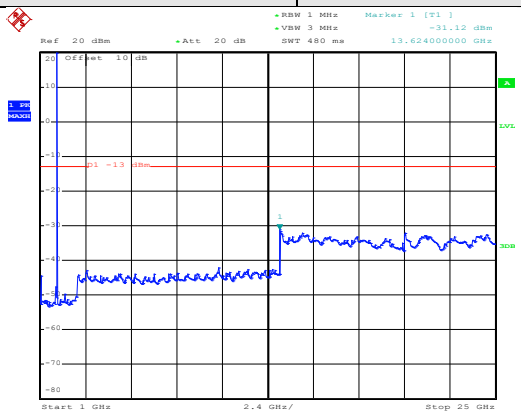
1GHz~25GHz

Test Mode:	LTE band 2(3MHz QPSK) RB Size 8 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:28:51

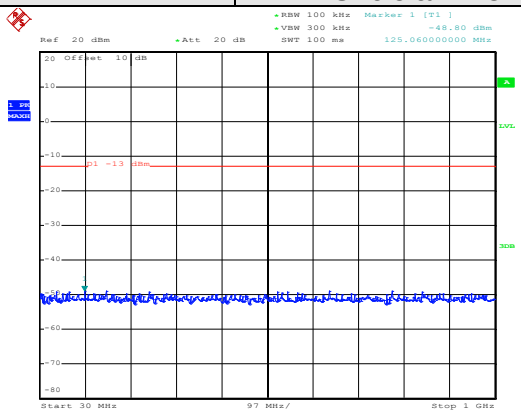
30MHz~1GHz



Date: 3.JUL.2017 15:16:59

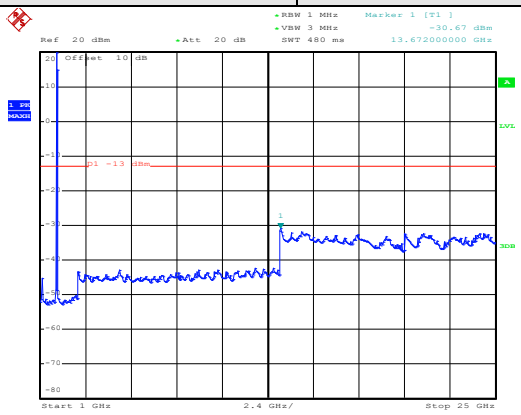
1GHz~25GHz

Test Mode:	LTE band 2(3MHz QPSK) RB Size 8 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:29:30

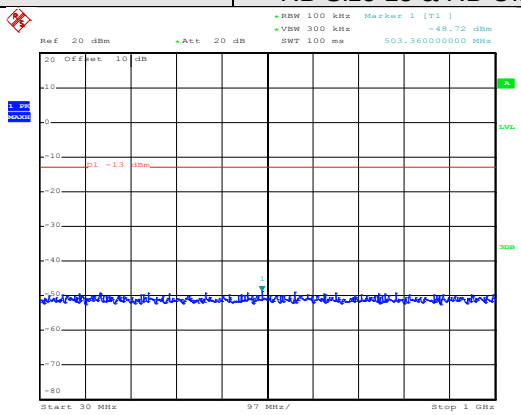
30MHz~1GHz



Date: 3.JUL.2017 15:20:45

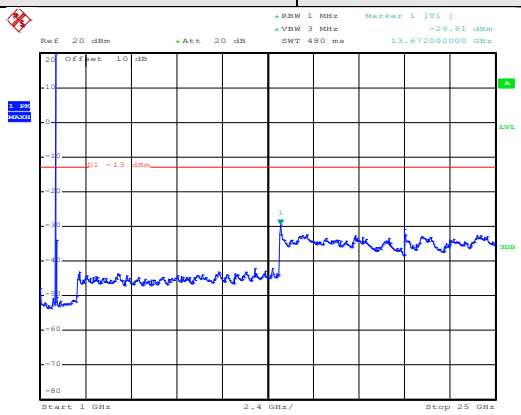
1GHz~25GHz

Test Mode:	LTE band 2(3MHz QPSK) RB Size 15 & RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:28:20

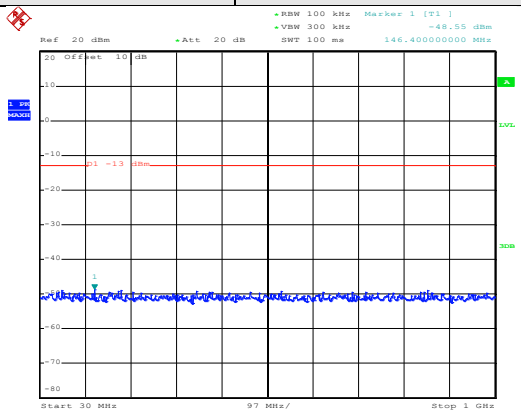
30MHz~1GHz



Date: 3.JUL.2017 15:14:44

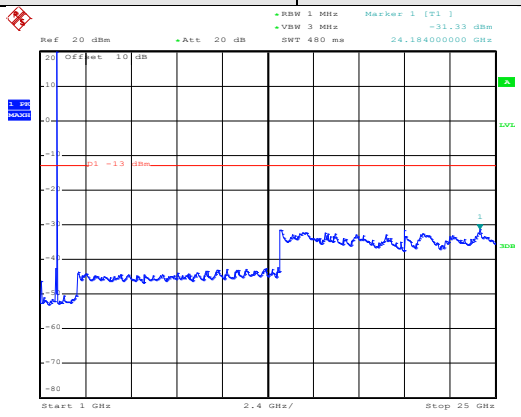
1GHz~25GHz

Test Mode:	LTE band 2(3MHz QPSK) RB Size 15 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:29:04

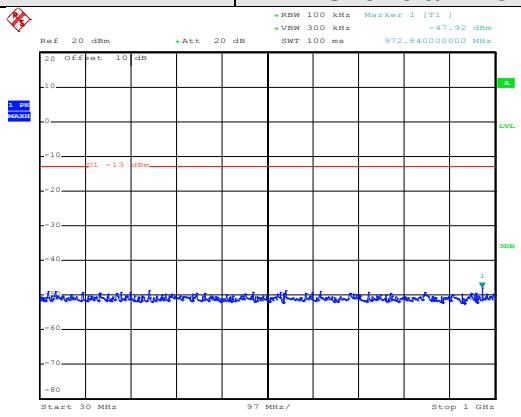
30MHz~1GHz



Date: 3.JUL.2017 15:17:54

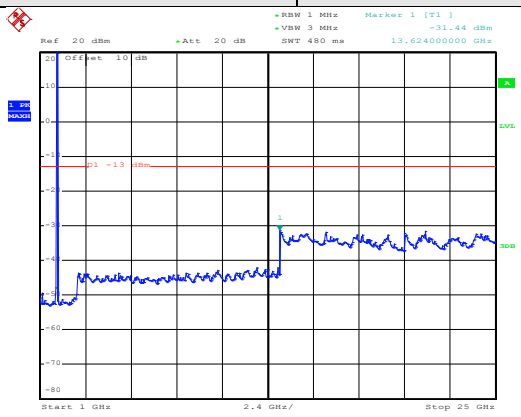
1GHz~25GHz

Test Mode:	LTE band 2(3MHz QPSK) RB Size 15 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:29:43

30MHz~1GHz

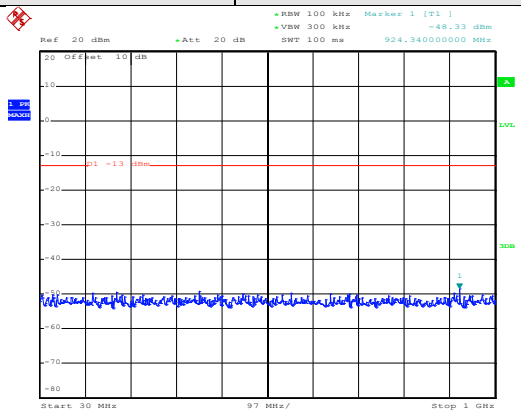


Date: 3.JUL.2017 15:21:53

1GHz~25GHz

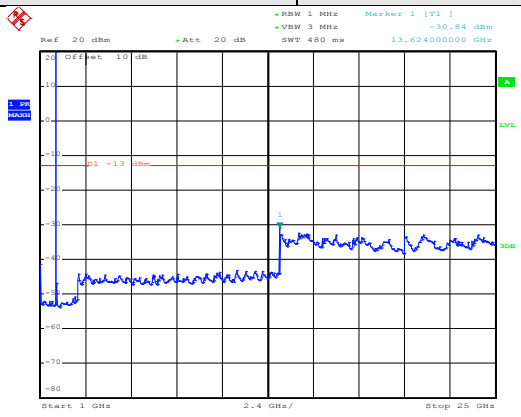
5MHz

Test Mode:	LTE band 2(5MHz 16QAM) RB Size 1 & RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:30:05

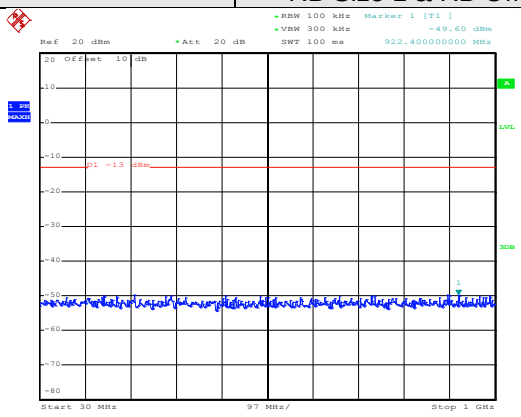
30MHz~1GHz



Date: 3.JUL.2017 15:24:16

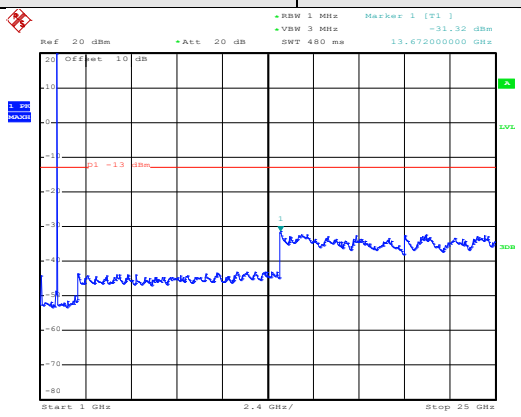
1GHz~25GHz

Test Mode:	LTE band 2(5MHz 16QAM) RB Size 1 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:31:15

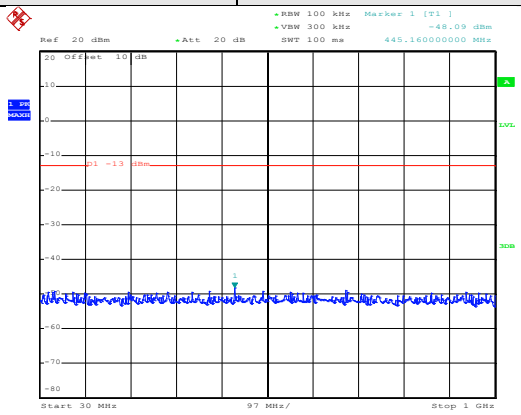
30MHz~1GHz



Date: 3.JUL.2017 15:27:23

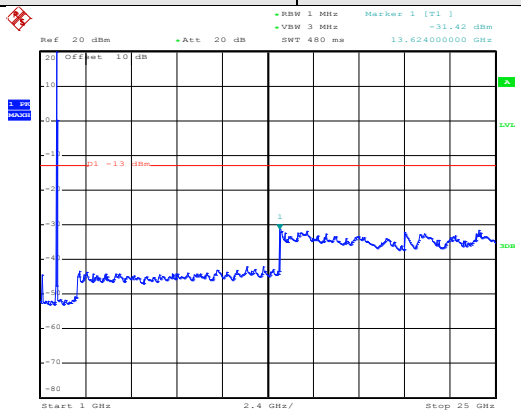
1GHz~25GHz

Test Mode:	LTE band 2(5MHz 16QAM) RB Size 1 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:32:03

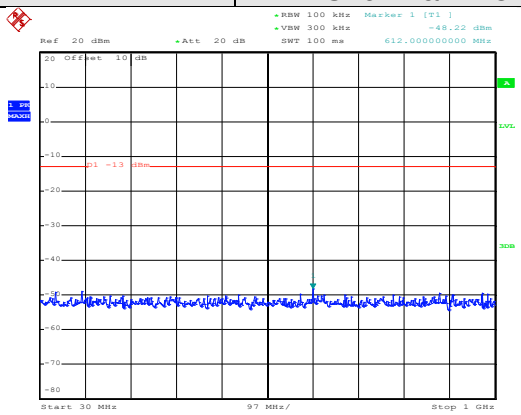
30MHz~1GHz



Date: 3.JUL.2017 15:31:10

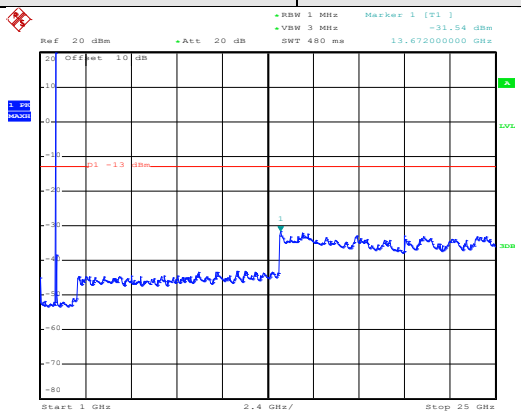
1GHz~25GHz

Test Mode:	LTE band 2(5MHz 16QAM) RB Size 12 & RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:30:19

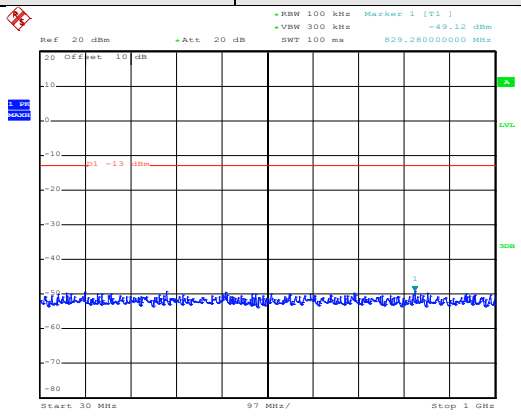
30MHz~1GHz



Date: 3.JUL.2017 15:24:59

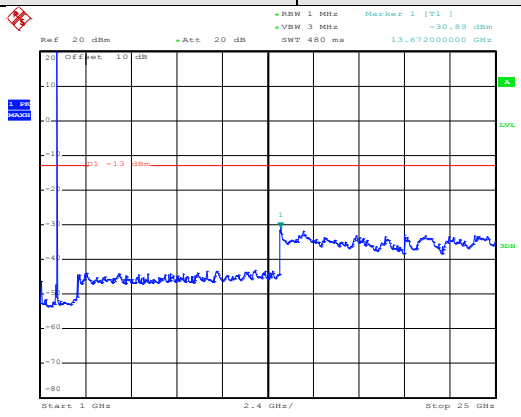
1GHz~25GHz

Test Mode:	LTE band 2(5MHz 16QAM) RB Size 12 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:31:35

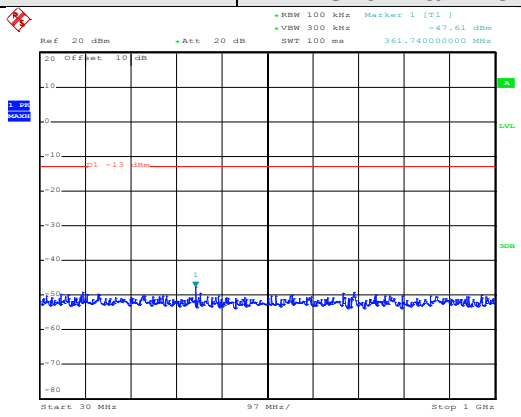
30MHz~1GHz



Date: 3.JUL.2017 15:28:09

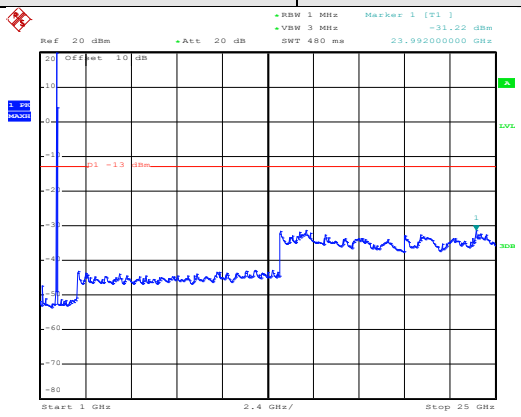
1GHz~25GHz

Test Mode:	LTE band 2(5MHz 16QAM) RB Size 12 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:32:16

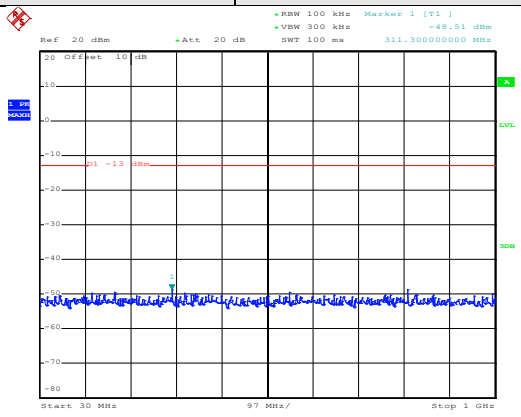
30MHz~1GHz



Date: 3.JUL.2017 15:32:43

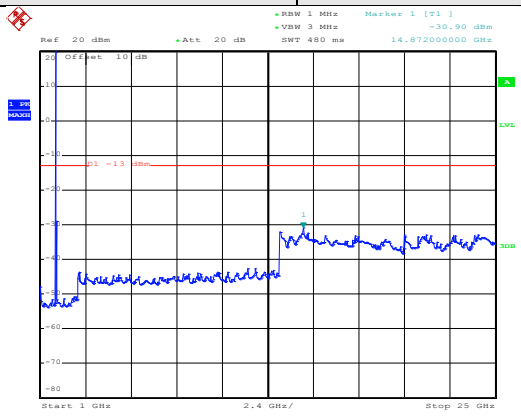
1GHz~25GHz

Test Mode:	LTE band 2(5MHz 16QAM) RB Size 25 & RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:30:32

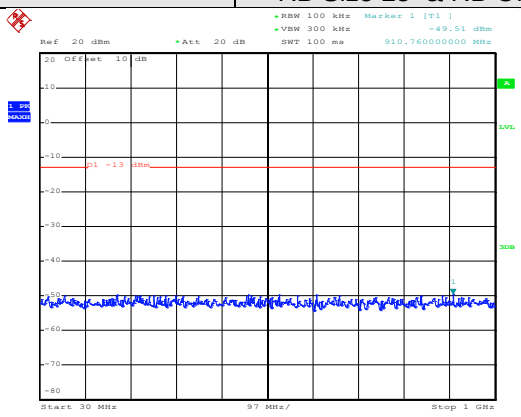
30MHz~1GHz



Date: 3.JUL.2017 15:26:02

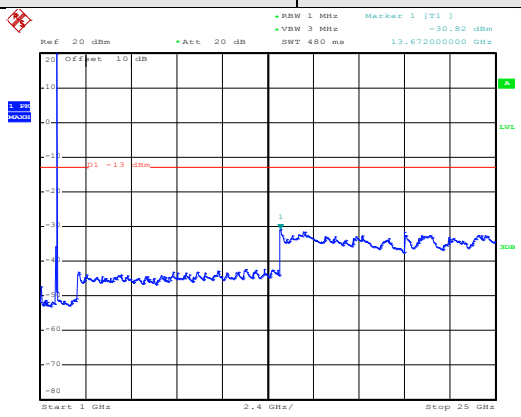
1GHz~25GHz

Test Mode:	LTE band 2(5MHz 16QAM) RB Size 25 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:31:48

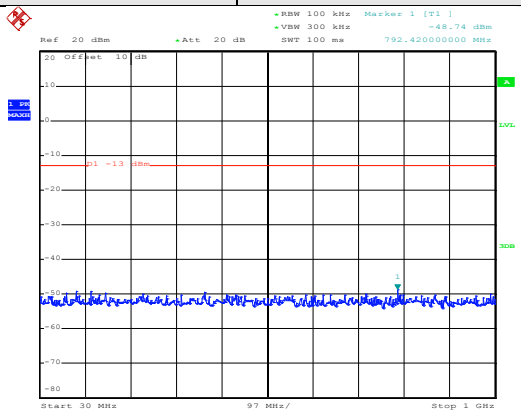
30MHz~1GHz



Date: 3.JUL.2017 15:29:38

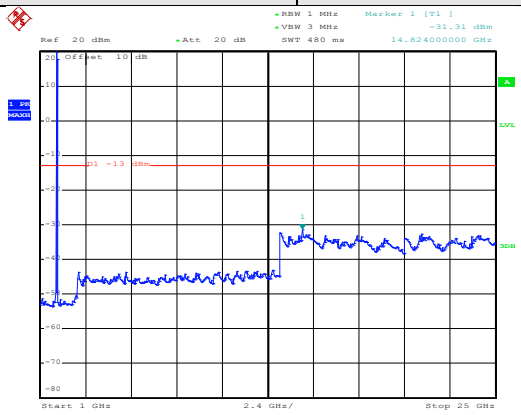
1GHz~25GHz

Test Mode:	LTE band 2(5MHz 16QAM) RB Size 25 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:32:30

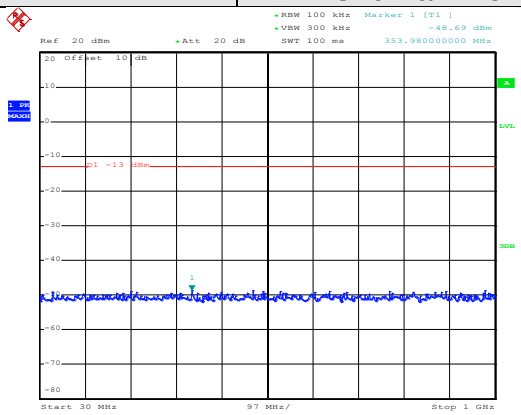
30MHz~1GHz



Date: 3.JUL.2017 15:33:24

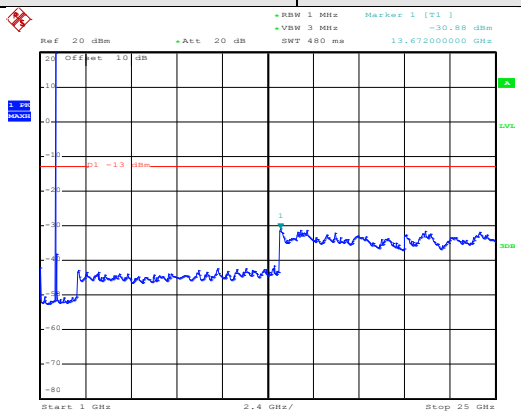
1GHz~25GHz

Test Mode:	LTE band 2(5MHz QPSK) RB Size 1 & RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:30:02

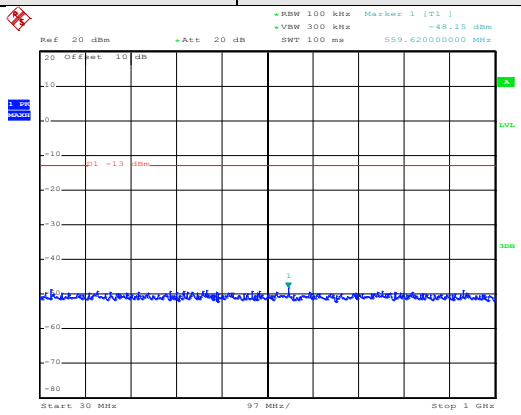
30MHz~1GHz



Date: 3.JUL.2017 15:24:01

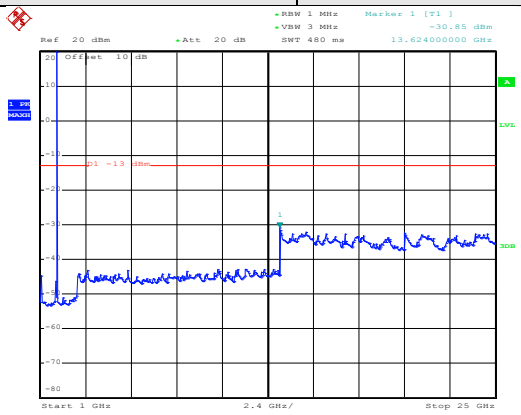
1GHz~25GHz

Test Mode:	LTE band 2(5MHz QPSK) RB Size 1 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:31:11

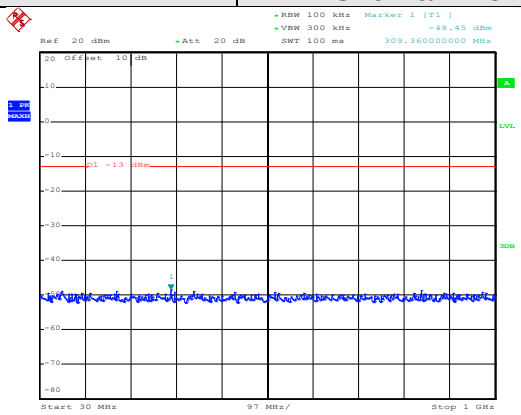
30MHz~1GHz



Date: 3.JUL.2017 15:26:56

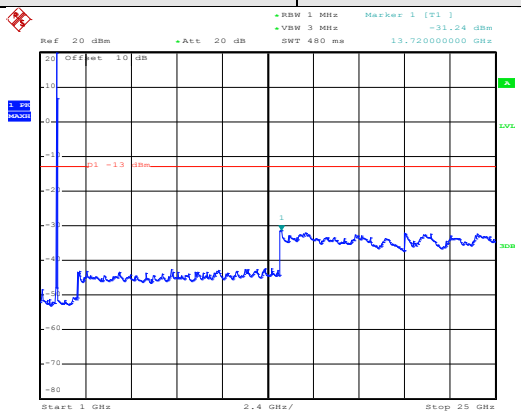
1GHz~25GHz

Test Mode:	LTE band 2(5MHz QPSK) RB Size 1 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:31:59

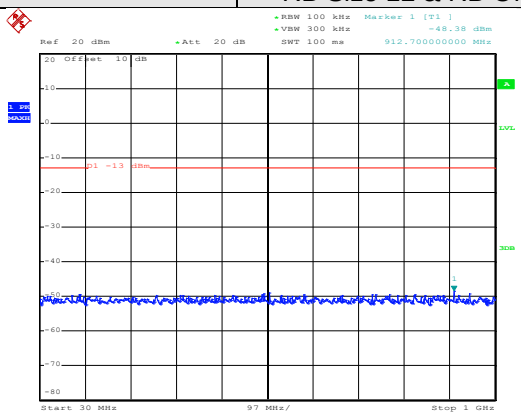
30MHz~1GHz



Date: 3.JUL.2017 15:32:14

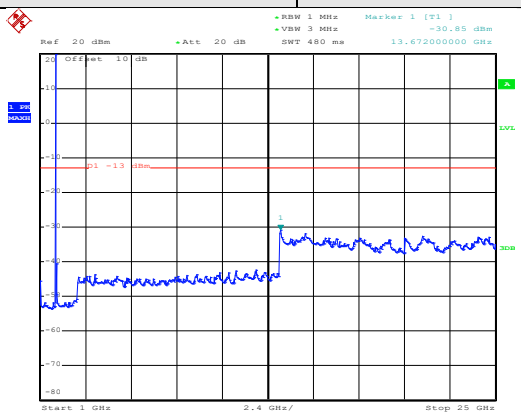
1GHz~25GHz

Test Mode:	LTE band 2(5MHz QPSK) RB Size 12 & RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:30:14

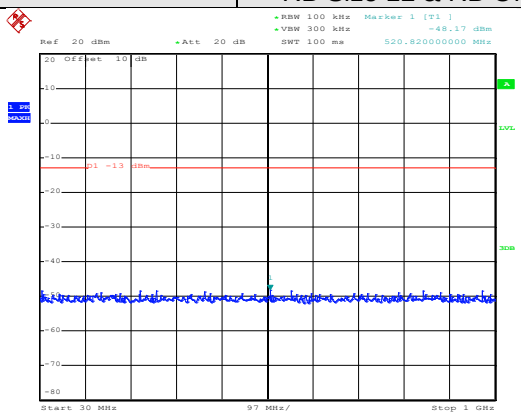
30MHz~1GHz



Date: 3.JUL.2017 15:24:42

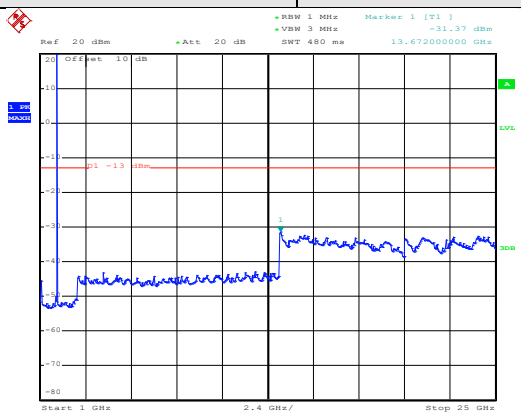
1GHz~25GHz

Test Mode:	LTE band 2(5MHz QPSK) RB Size 12 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:31:30

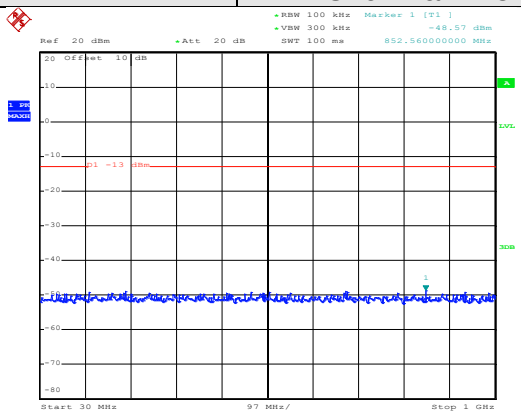
30MHz~1GHz



Date: 3.JUL.2017 15:27:48

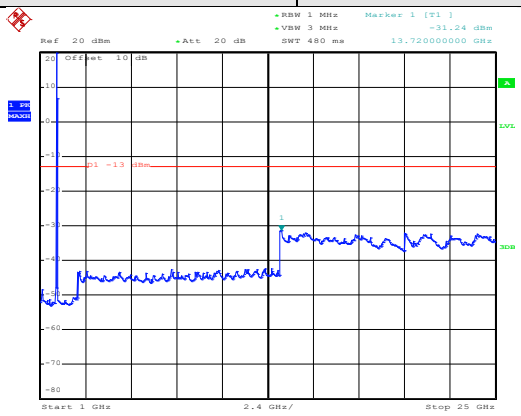
1GHz~25GHz

Test Mode:	LTE band 2(5MHz QPSK) RB Size 12 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:32:12

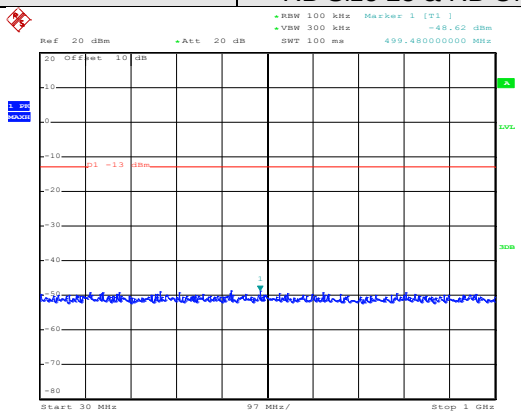
30MHz~1GHz



Date: 3.JUL.2017 15:32:14

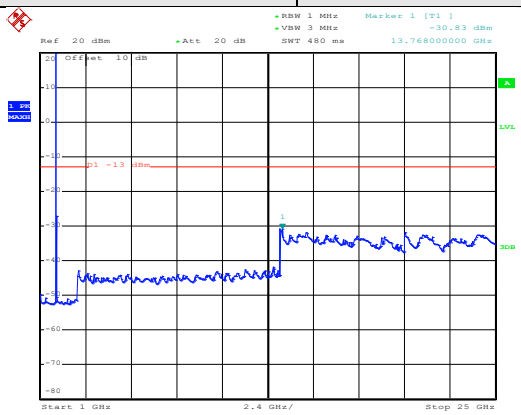
1GHz~25GHz

Test Mode:	LTE band 2(5MHz QPSK) RB Size 25 & RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:30:28

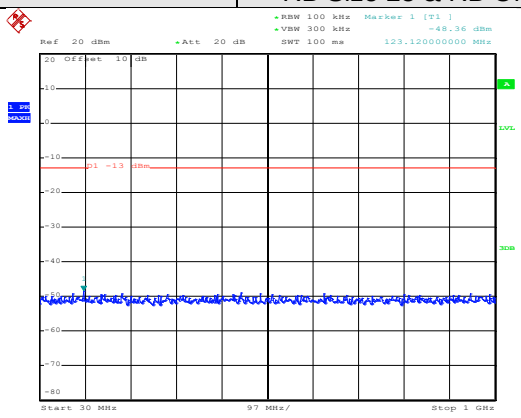
30MHz~1GHz



Date: 3.JUL.2017 15:25:48

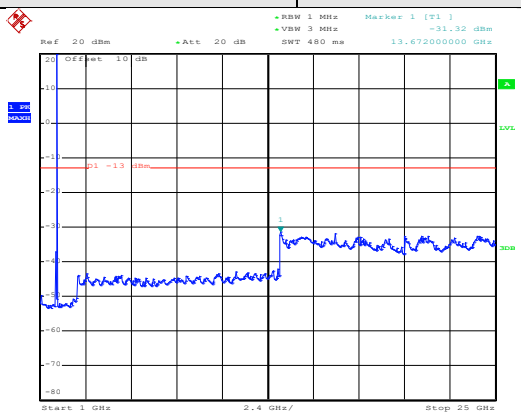
1GHz~25GHz

Test Mode:	LTE band 2(5MHz QPSK) RB Size 25 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:31:44

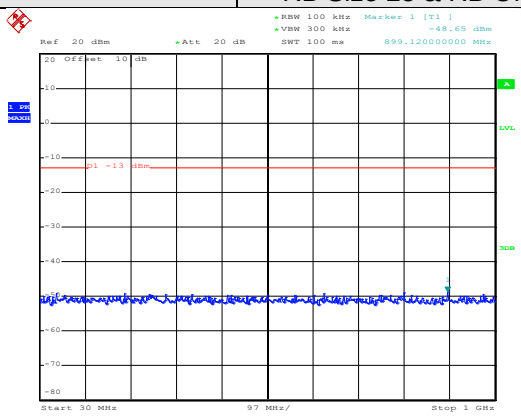
30MHz~1GHz



Date: 3.JUL.2017 15:28:35

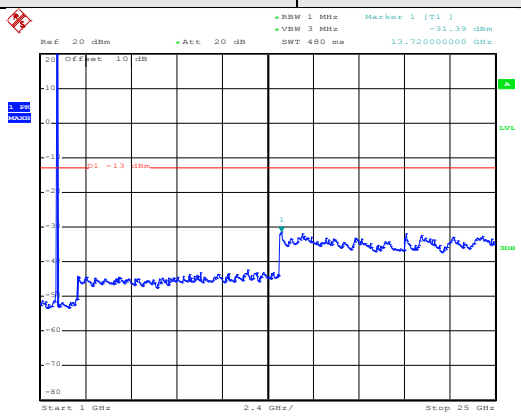
1GHz~25GHz

Test Mode:	LTE band 2(5MHz QPSK) RB Size 25 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:32:25

30MHz~1GHz

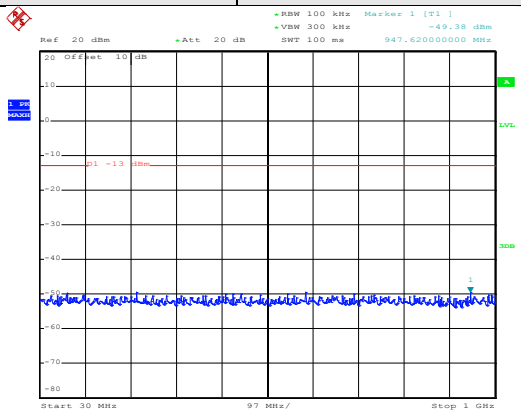


Date: 3.JUL.2017 15:33:08

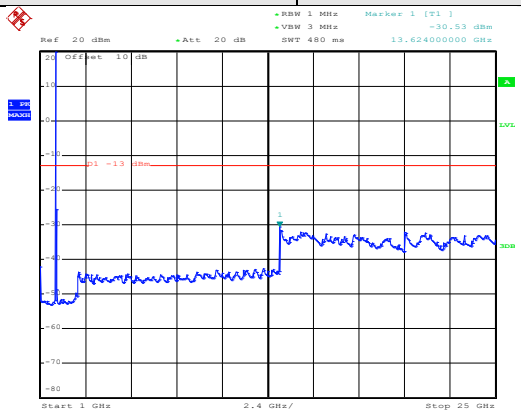
1GHz~25GHz

10MHz

Test Mode:	LTE band 2(10MHz 16QAM) RB Size 1 & RB Offset 0	Test Channel:	Lowest channel

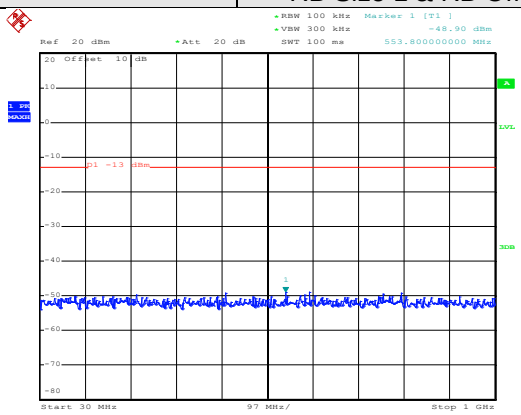


30MHz~1GHz

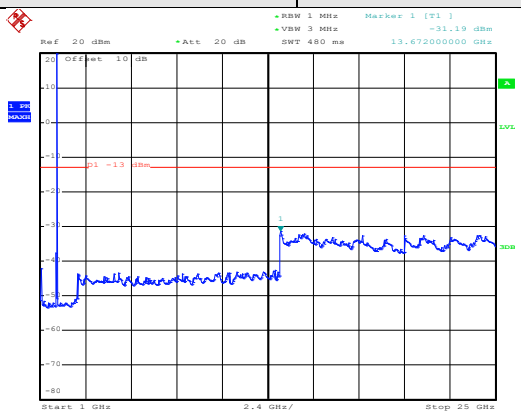


1GHz~25GHz

Test Mode:	LTE band 2(10MHz 16QAM) RB Size 1 & RB Offset 0	Test Channel:	Middle channel

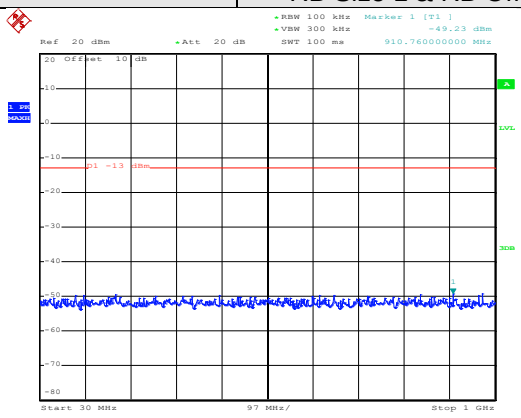


30MHz~1GHz



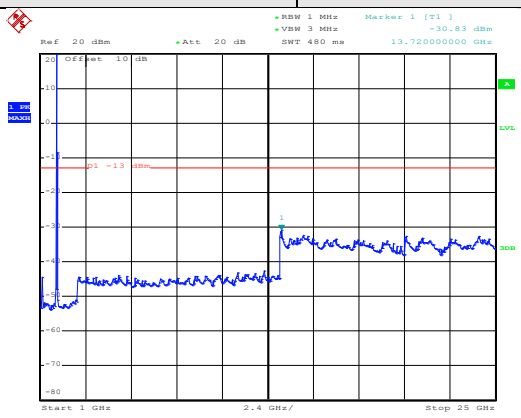
1GHz~25GHz

Test Mode:	LTE band 2(10MHz 16QAM) RB Size 1 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:34:17

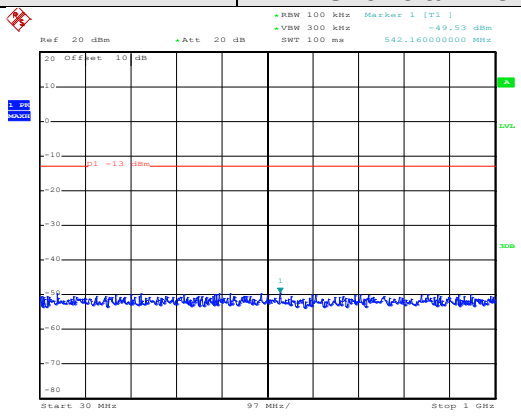
30MHz~1GHz



Date: 3.JUL.2017 15:45:54

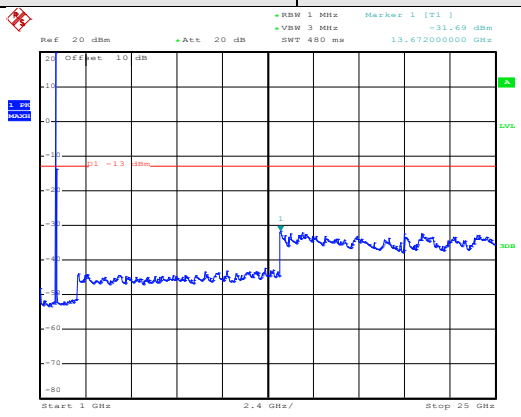
1GHz~25GHz

Test Mode:	LTE band 2(10MHz 16QAM) RB Size 25 & RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:33:04

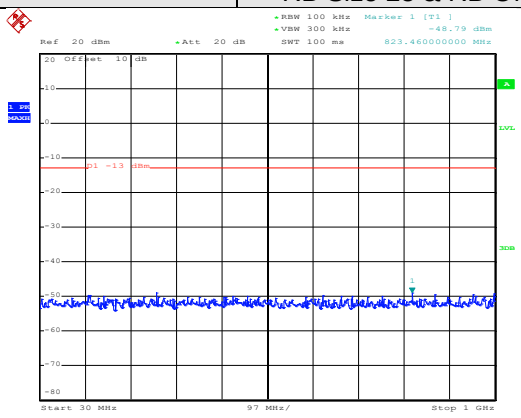
30MHz~1GHz



Date: 3.JUL.2017 15:38:56

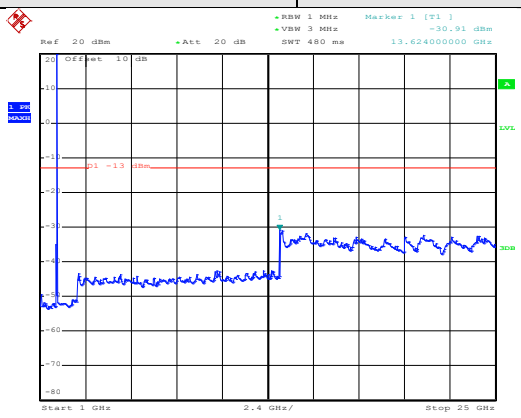
1GHz~25GHz

Test Mode:	LTE band 2(10MHz 16QAM) RB Size 25 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:33:43

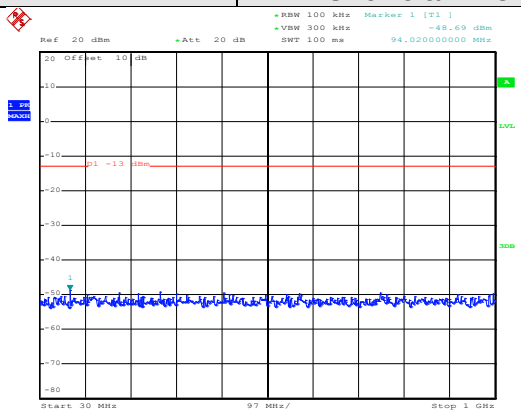
30MHz~1GHz



Date: 3.JUL.2017 15:42:58

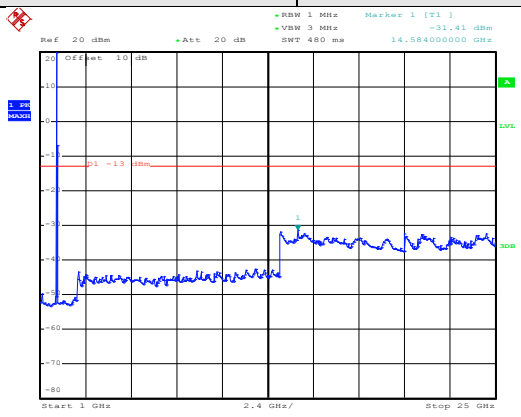
1GHz~25GHz

Test Mode:	LTE band 2(10MHz 16QAM) RB Size 25 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:34:31

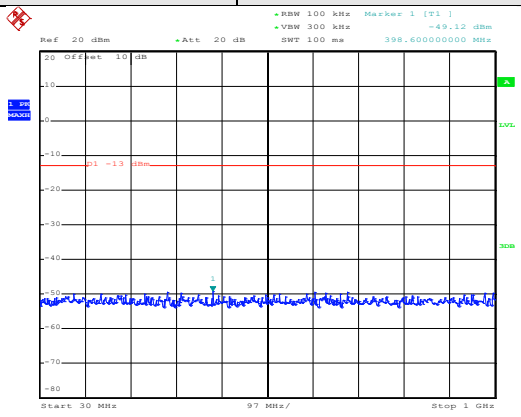
30MHz~1GHz



Date: 3.JUL.2017 15:47:02

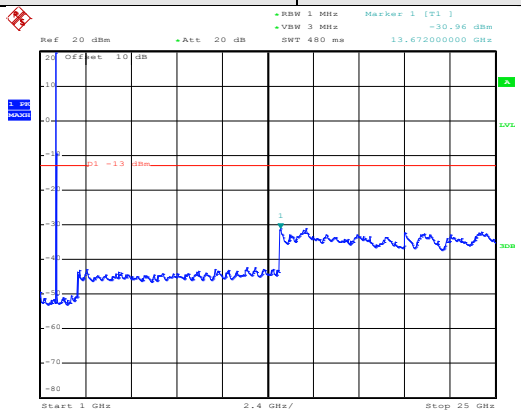
1GHz~25GHz

Test Mode:	LTE band 2(10MHz 16QAM) RB Size 50 & RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:33:17

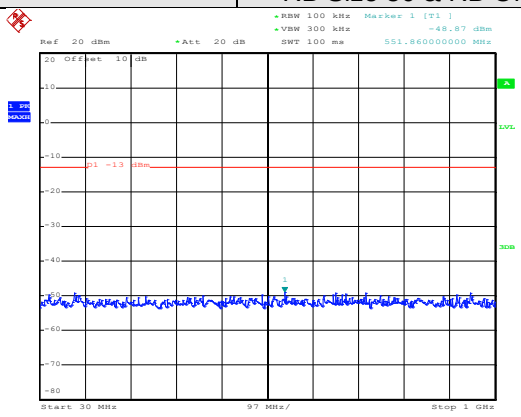
30MHz~1GHz



Date: 3.JUL.2017 15:40:48

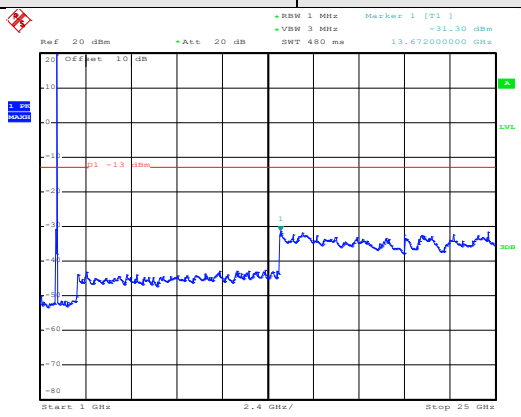
1GHz~25GHz

Test Mode:	LTE band 2(10MHz 16QAM) RB Size 50 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:34:01

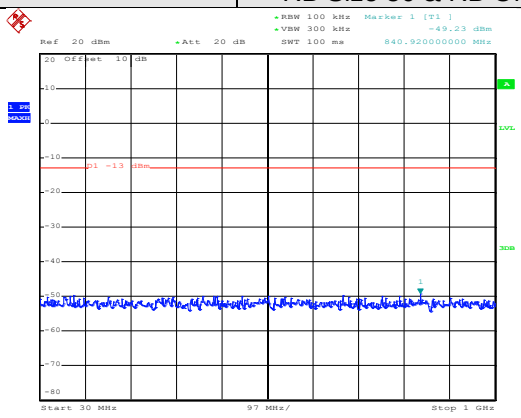
30MHz~1GHz



Date: 3.JUL.2017 15:45:06

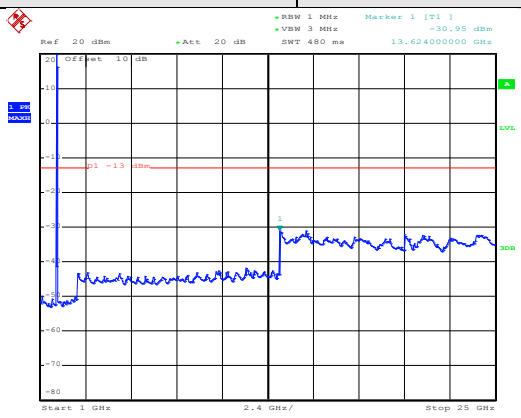
1GHz~25GHz

Test Mode:	LTE band 2(10MHz 16QAM) RB Size 50 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:34:47

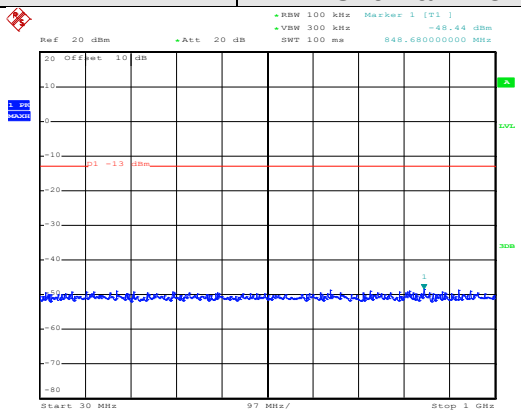
30MHz~1GHz



Date: 3.JUL.2017 15:48:41

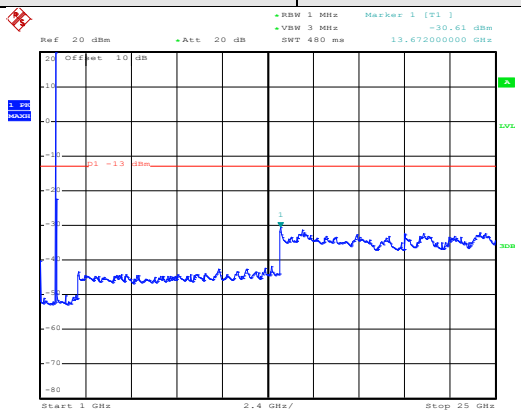
1GHz~25GHz

Test Mode:	LTE band 2(10MHz QPSK) RB Size 1 & RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:32:45

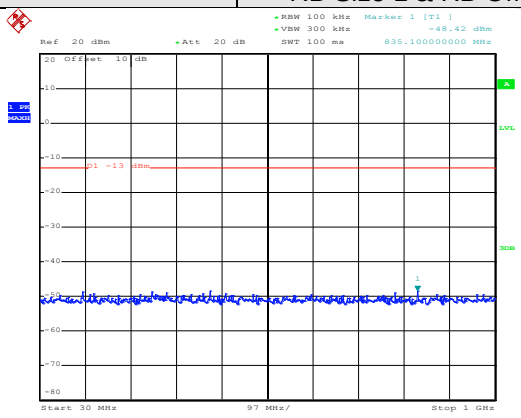
30MHz~1GHz



Date: 3.JUL.2017 15:37:25

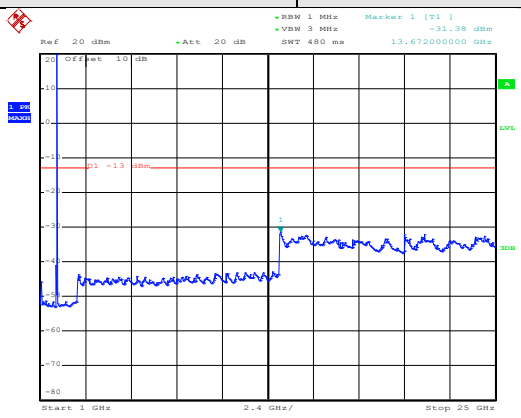
1GHz~25GHz

Test Mode:	LTE band 2(10MHz QPSK) RB Size 1 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:33:27

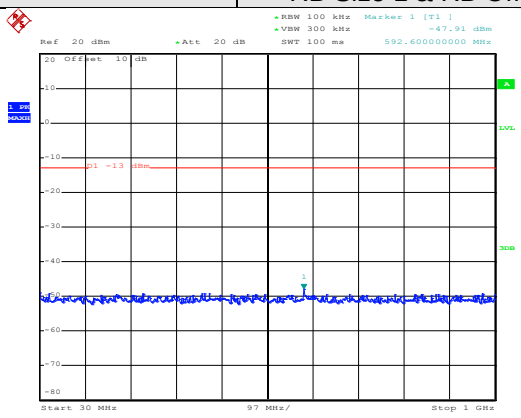
30MHz~1GHz



Date: 3.JUL.2017 15:41:14

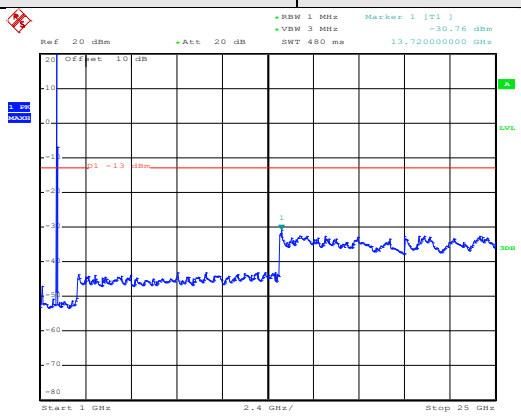
1GHz~25GHz

Test Mode:	LTE band 2(10MHz QPSK) RB Size 1 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:34:12

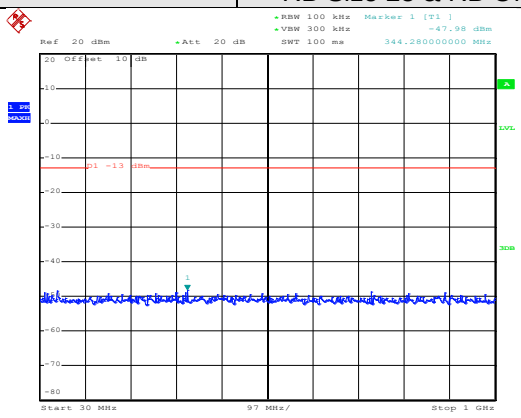
30MHz~1GHz



Date: 3.JUL.2017 15:45:38

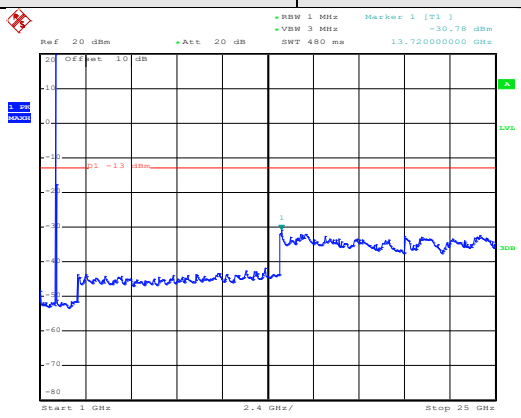
1GHz~25GHz

Test Mode:	LTE band 2(10MHz QPSK) RB Size 25 & RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:32:59

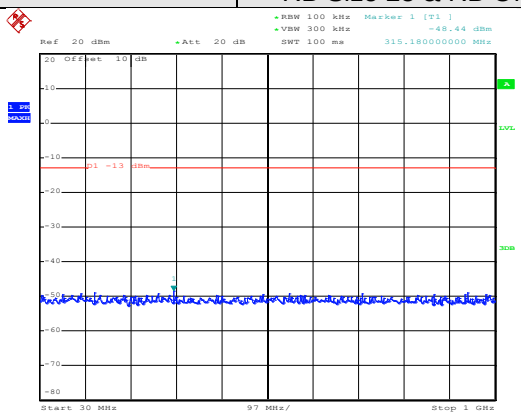
30MHz~1GHz



Date: 3.JUL.2017 15:38:29

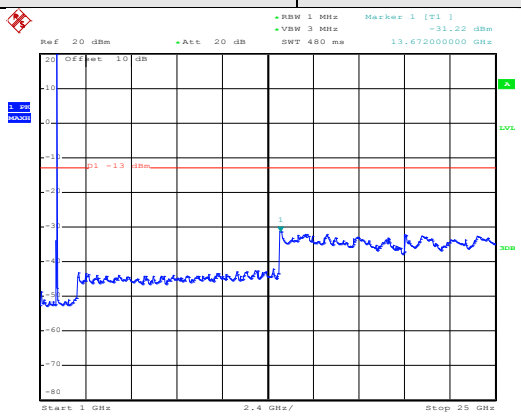
1GHz~25GHz

Test Mode:	LTE band 2(10MHz QPSK) RB Size 25 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:33:39

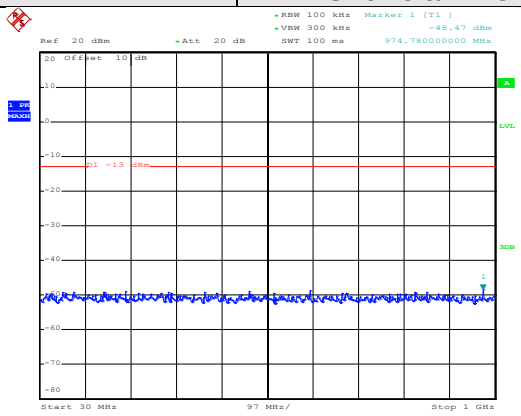
30MHz~1GHz



Date: 3.JUL.2017 15:42:31

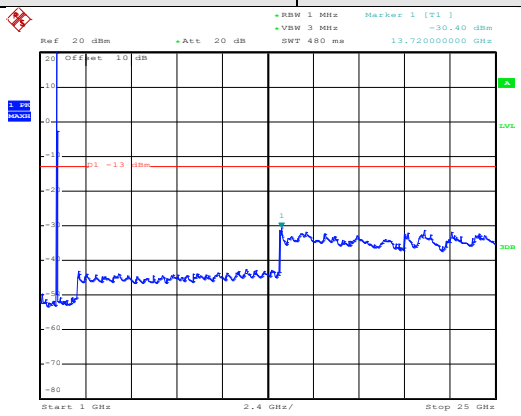
1GHz~25GHz

Test Mode:	LTE band 2(10MHz QPSK) RB Size 25 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:34:27

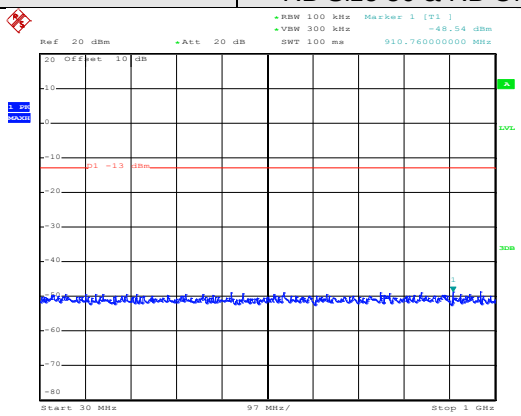
30MHz~1GHz



Date: 3.JUL.2017 15:46:40

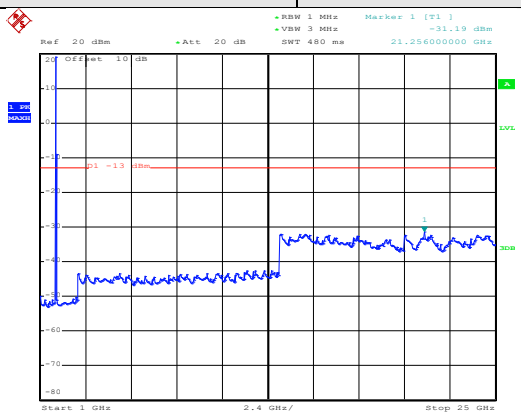
1GHz~25GHz

Test Mode:	LTE band 2(10MHz QPSK) RB Size 50 & RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:33:13

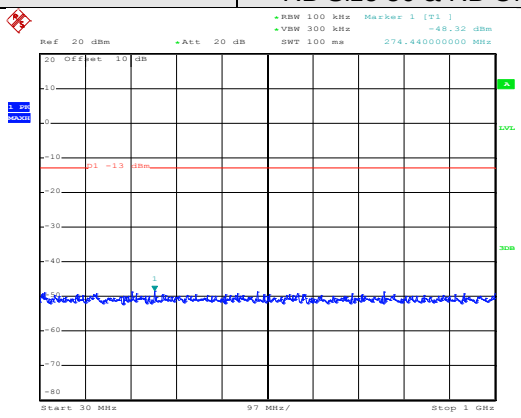
30MHz~1GHz



Date: 3.JUL.2017 15:39:50

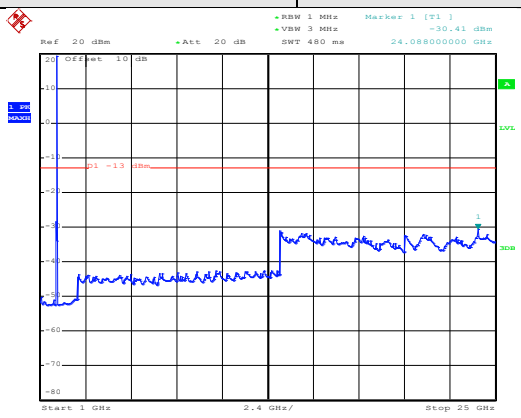
1GHz~25GHz

Test Mode:	LTE band 2(10MHz QPSK) RB Size 50 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:33:56

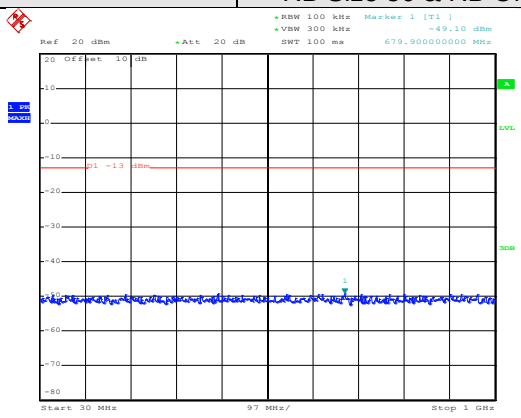
30MHz~1GHz



Date: 3.JUL.2017 15:44:35

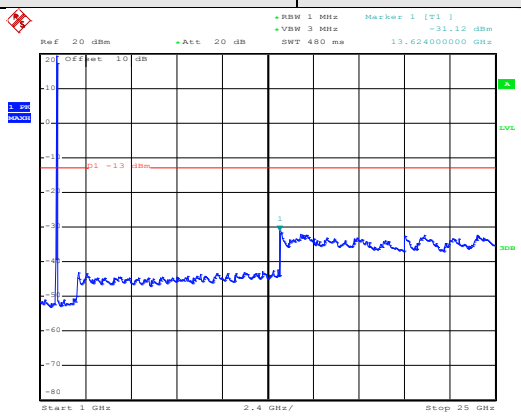
1GHz~25GHz

Test Mode:	LTE band 2(10MHz QPSK) RB Size 50 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:34:41

30MHz~1GHz

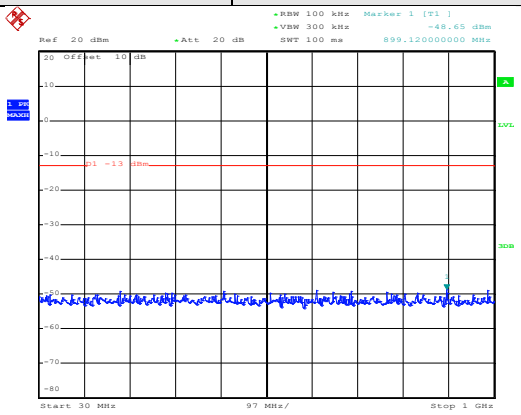


Date: 3.JUL.2017 15:47:38

1GHz~25GHz

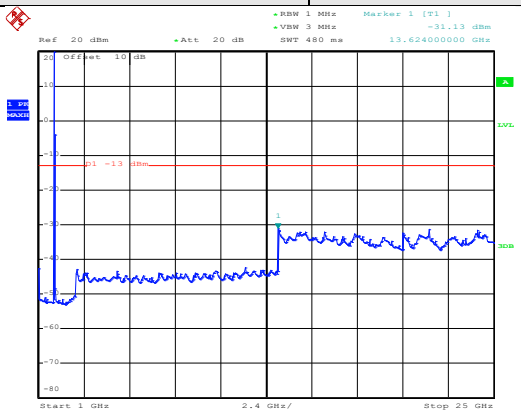
15MHz

Test Mode:	LTE band 2(15MHz 16QAM) RB Size 1 & RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:35:05

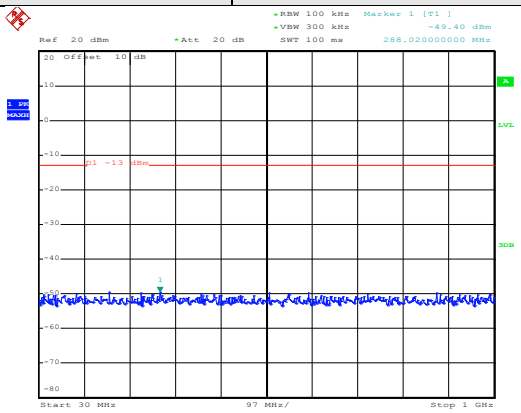
30MHz~1GHz



Date: 3.JUL.2017 15:50:22

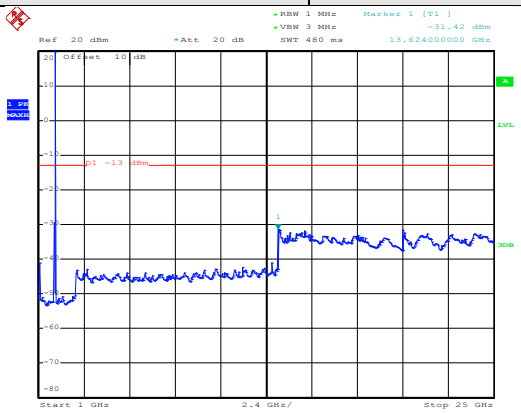
1GHz~25GHz

Test Mode:	LTE band 2(15MHz 16QAM) RB Size 1 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:35:56

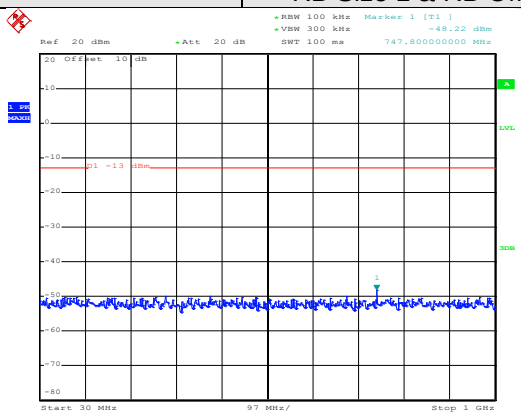
30MHz~1GHz



Date: 3.JUL.2017 15:56:36

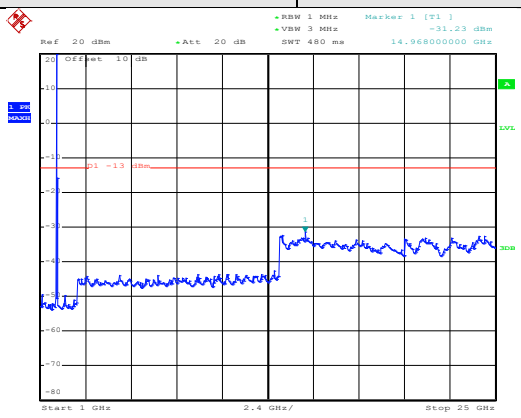
1GHz~25GHz

Test Mode:	LTE band 2(15MHz16QAM) RB Size 1 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:36:51

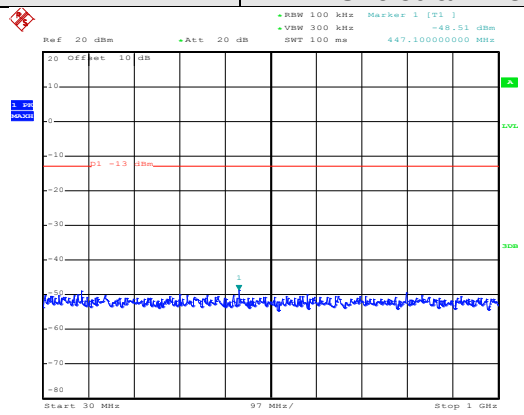
30MHz~1GHz



Date: 3.JUL.2017 15:59:38

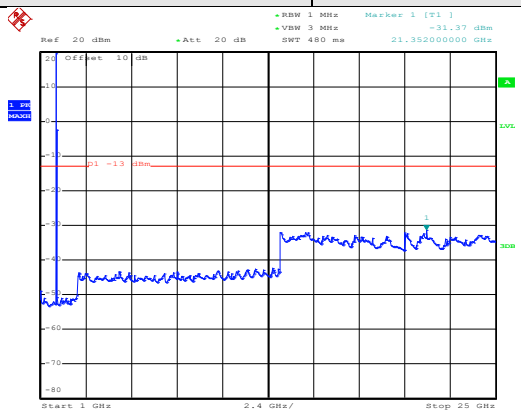
1GHz~25GHz

Test Mode:	LTE band 2(15MHz 16QAM) RB Size 36 & RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:35:23

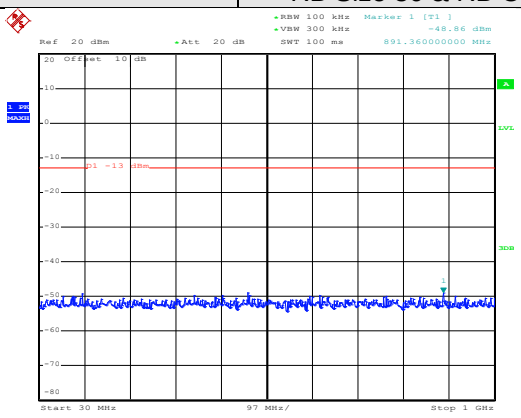
30MHz~1GHz



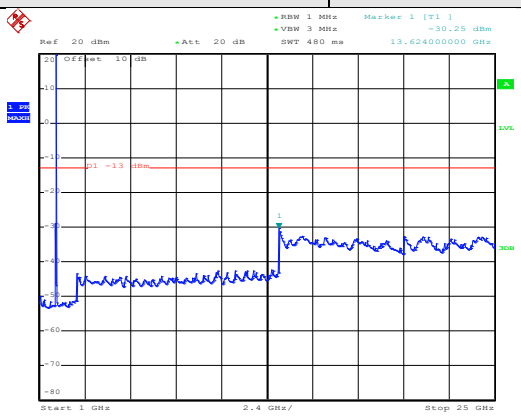
Date: 3.JUL.2017 15:51:37

1GHz~25GHz

Test Mode:	LTE band 2(15MHz 16QAM) RB Size 36 & RB Offset 0	Test Channel:	Middle channel

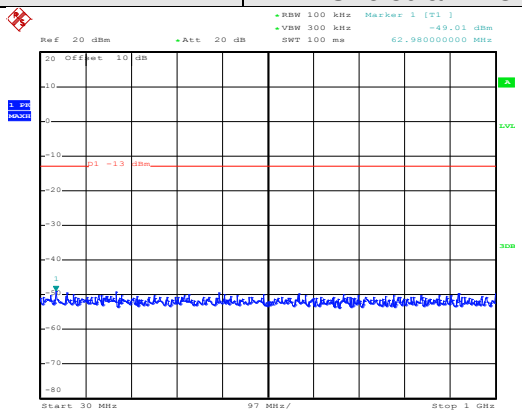


30MHz~1GHz

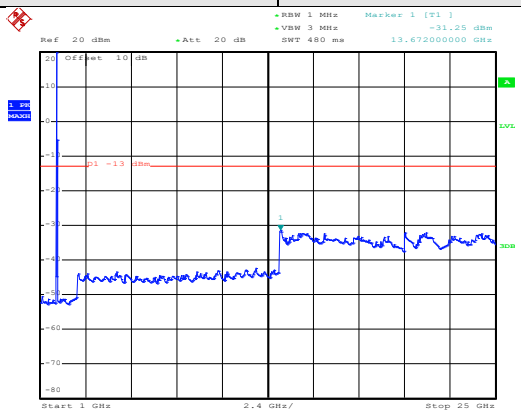


1GHz~25GHz

Test Mode:	LTE band 2(15MHz 16QAM) RB Size 36 & RB Offset 0	Test Channel:	Highest channel

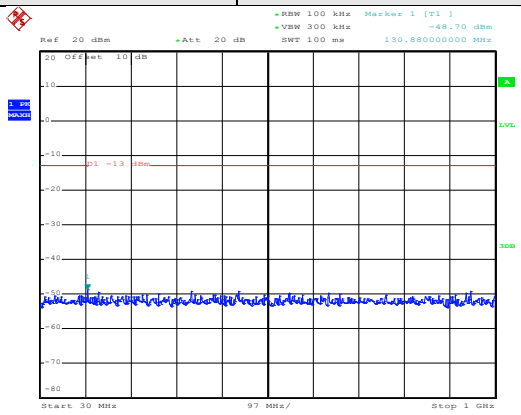


30MHz~1GHz



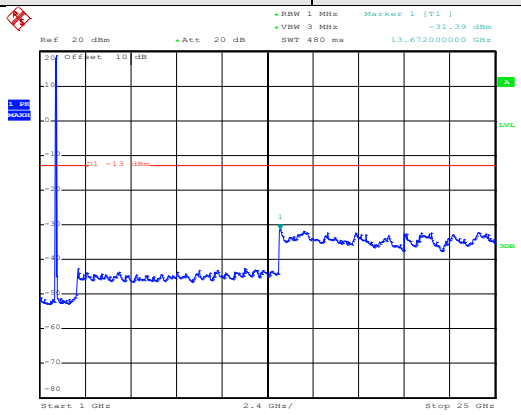
1GHz~25GHz

Test Mode:	LTE band 2(15MHz 16QAM) RB Size 75 & RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:35:38

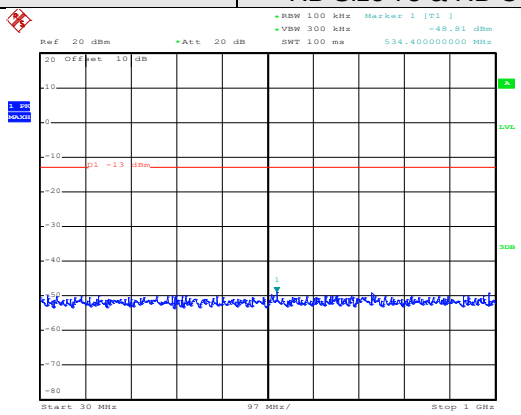
30MHz~1GHz



Date: 3.JUL.2017 15:53:46

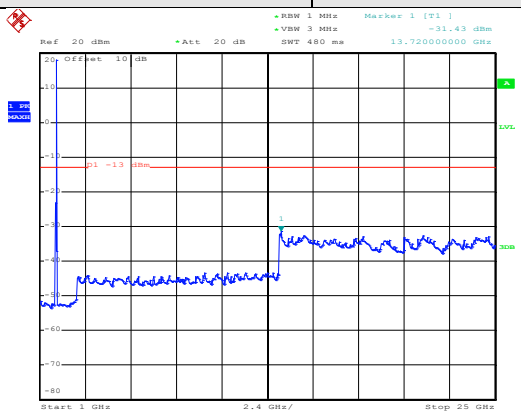
1GHz~25GHz

Test Mode:	LTE band 2(15MHz 16QAM) RB Size 75 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:36:31

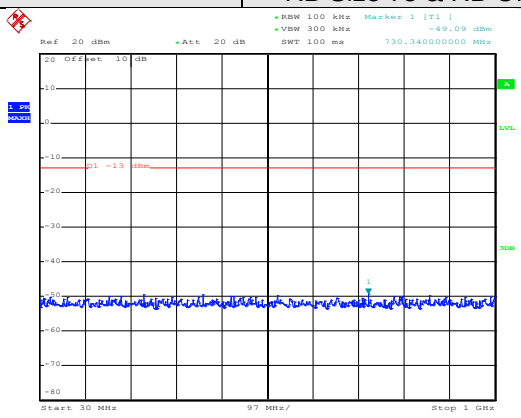
30MHz~1GHz



Date: 3.JUL.2017 15:58:23

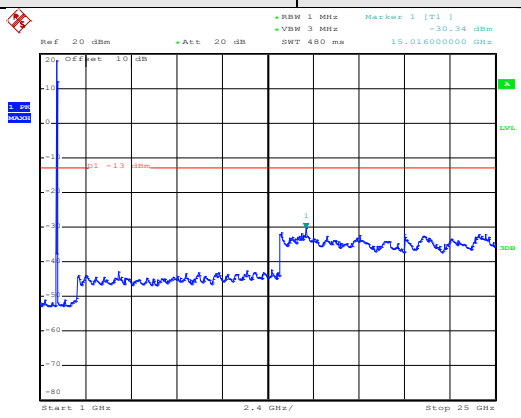
1GHz~25GHz

Test Mode:	LTE band 2(15MHz 16QAM) RB Size 75 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:37:27

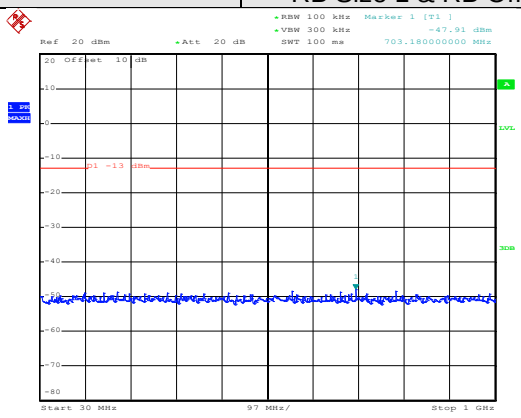
30MHz~1GHz



Date: 3.JUL.2017 16:02:35

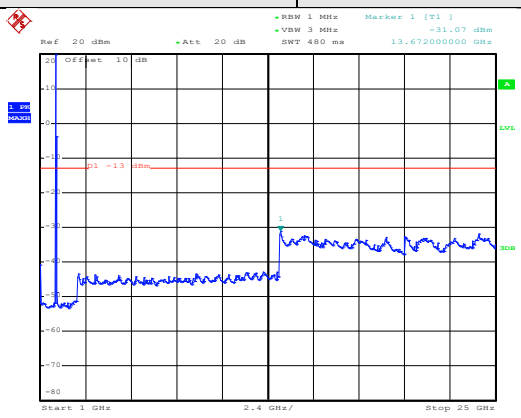
1GHz~25GHz

Test Mode:	LTE band 2(15MHz QPSK) RB Size 1 & RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:35:01

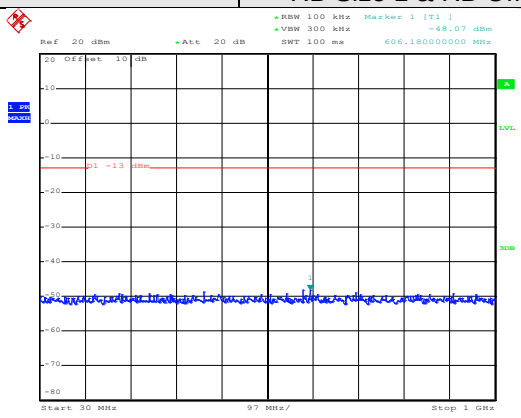
30MHz~1GHz



Date: 3.JUL.2017 15:49:39

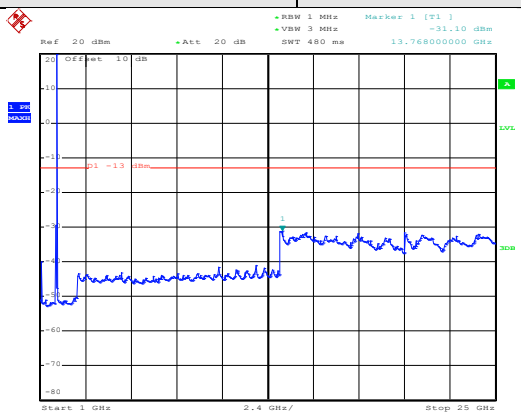
1GHz~25GHz

Test Mode:	LTE band 2(15MHz QPSK) RB Size 1 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:35:50

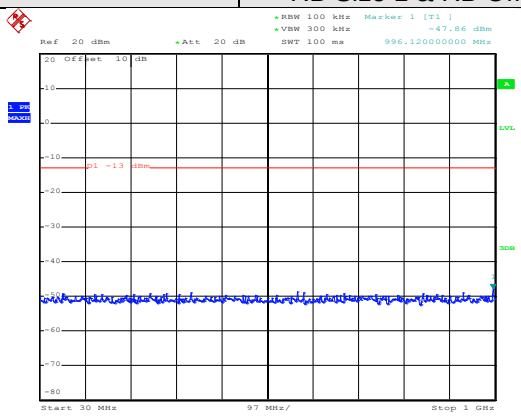
30MHz~1GHz



Date: 3.JUL.2017 15:55:50

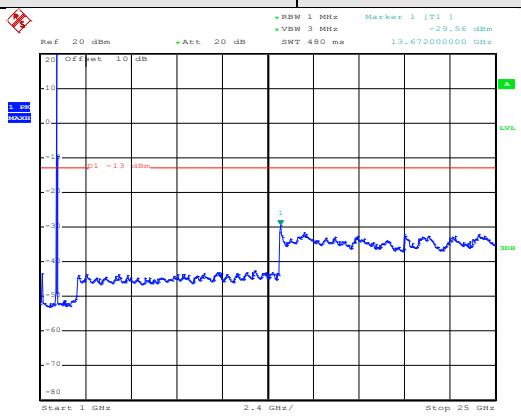
1GHz~25GHz

Test Mode:	LTE band 2(15MHz QPSK) RB Size 1 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:36:44

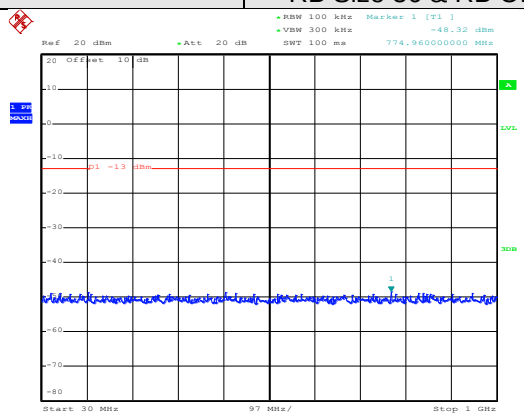
30MHz~1GHz



Date: 3.JUL.2017 15:59:24

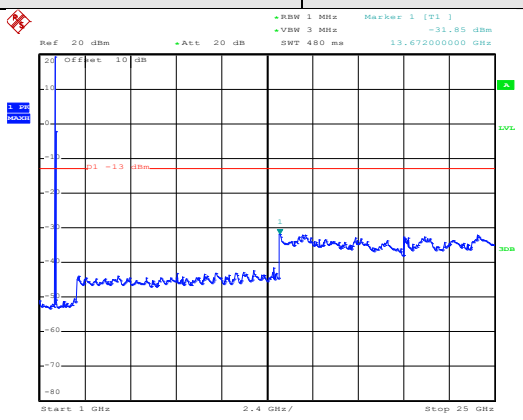
1GHz~25GHz

Test Mode:	LTE band 2(15MHz QPSK) RB Size 36 & RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:35:20

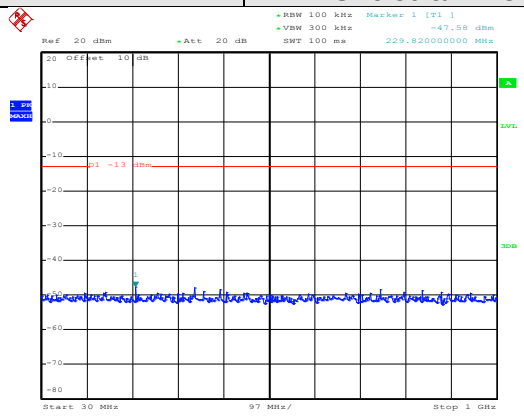
30MHz~1GHz



Date: 3.JUL.2017 15:50:52

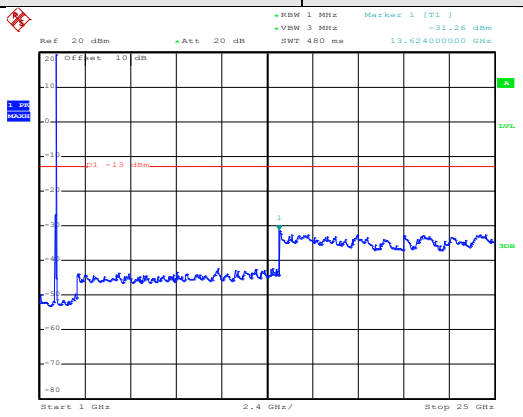
1GHz~25GHz

Test Mode:	LTE band 2(15MHz QPSK) RB Size 36 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:36:07

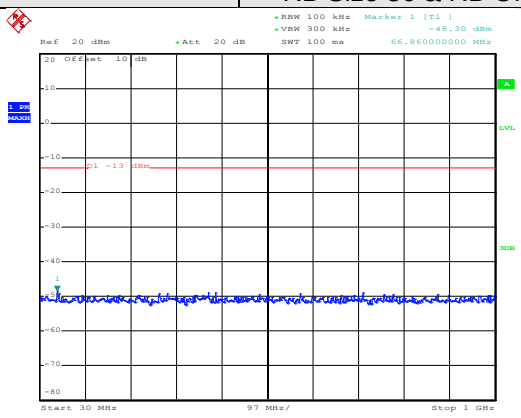
30MHz~1GHz



Date: 3.JUL.2017 15:57:17

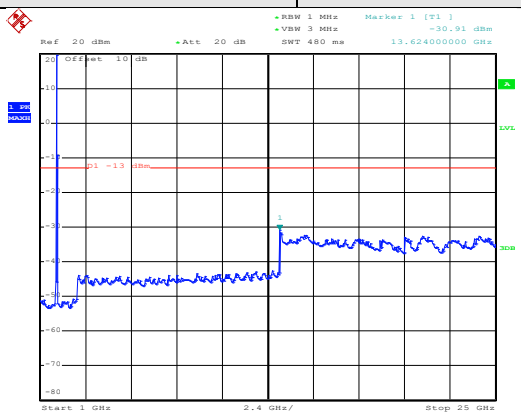
1GHz~25GHz

Test Mode:	LTE band 2(15MHz QPSK) RB Size 36 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:37:03

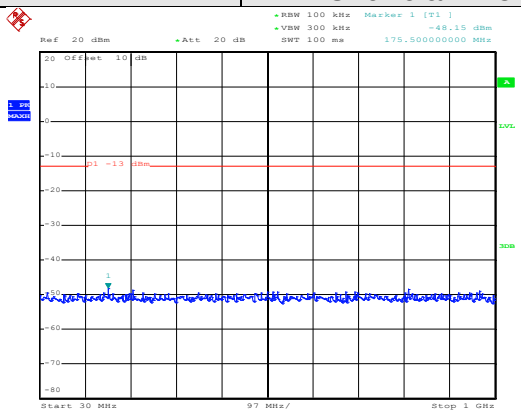
30MHz~1GHz



Date: 3.JUL.2017 16:00:16

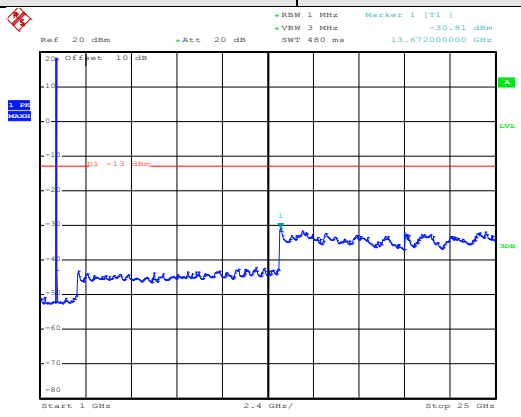
1GHz~25GHz

Test Mode:	LTE band 2(15MHz QPSK) RB Size 75 & RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:35:34

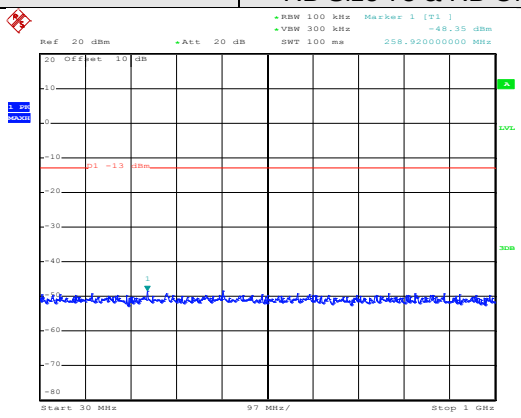
30MHz~1GHz



Date: 3.JUL.2017 15:53:02

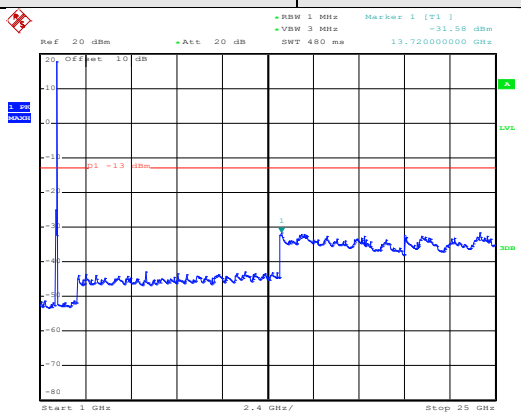
1GHz~25GHz

Test Mode:	LTE band 2(15MHz QPSK) RB Size 75 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:36:25

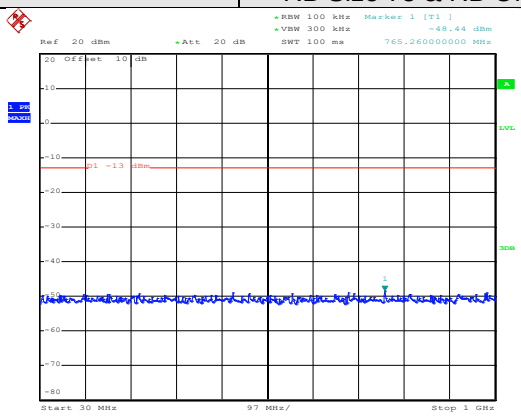
30MHz~1GHz



Date: 3.JUL.2017 15:58:06

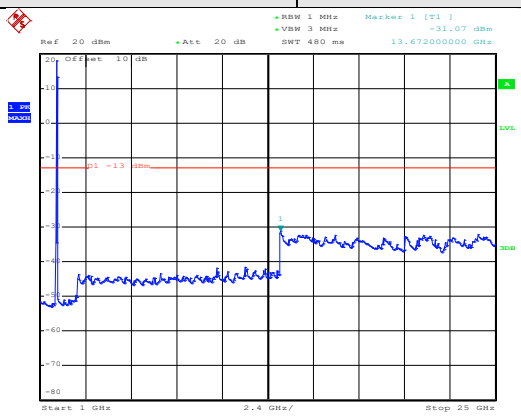
1GHz~25GHz

Test Mode:	LTE band 2(15MHz QPSK) RB Size 75 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:37:21

30MHz~1GHz

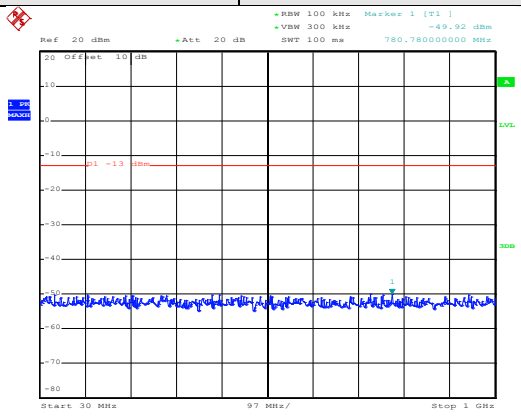


Date: 3.JUL.2017 16:01:59

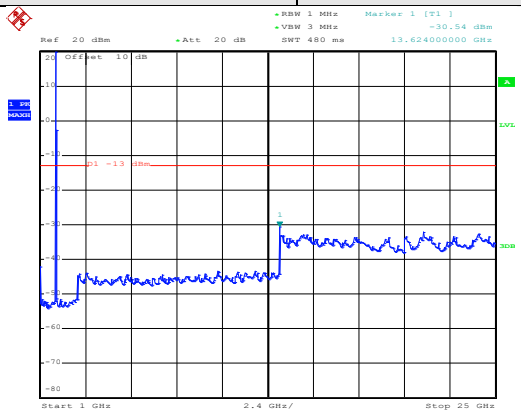
1GHz~25GHz

20MHz

Test Mode:	LTE band 2(20MHz 16QAM) RB Size 1 & RB Offset 0	Test Channel:	Lowest channel

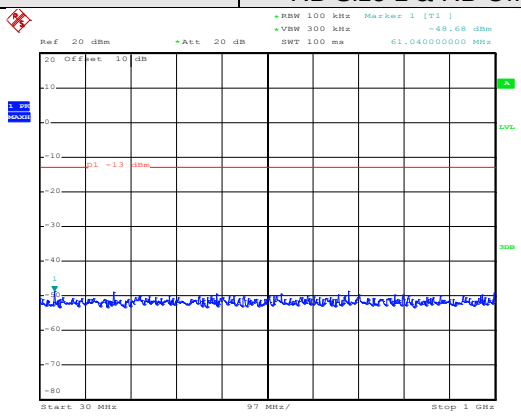


30MHz~1GHz

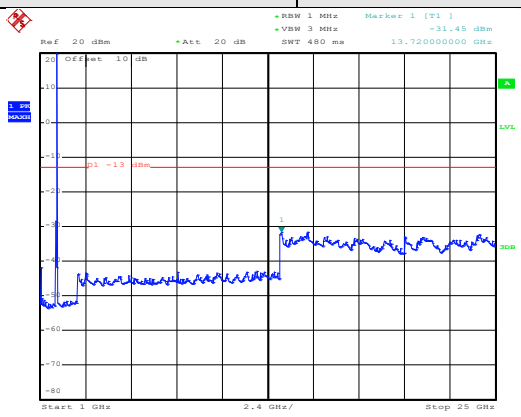


1GHz~25GHz

Test Mode:	LTE band 2(20MHz 16QAM) RB Size 1 & RB Offset 0	Test Channel:	Middle channel

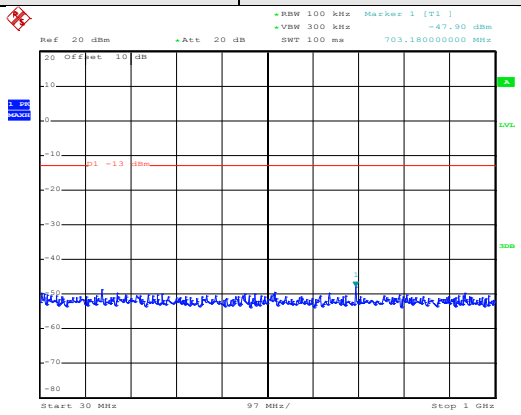


30MHz~1GHz



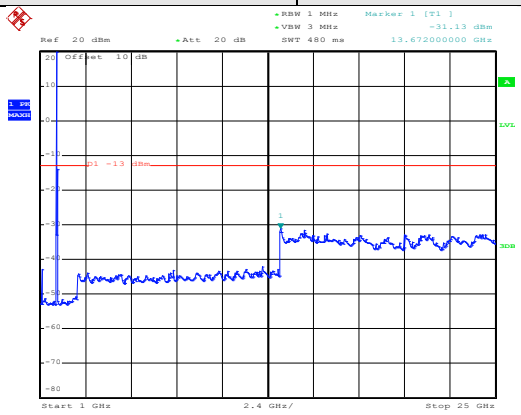
1GHz~25GHz

Test Mode:	LTE band 2(20MHz 16QAM) RB Size 1 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:39:44

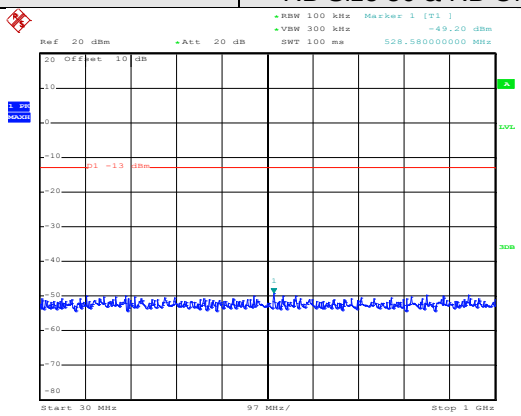
30MHz~1GHz



Date: 3.JUL.2017 16:12:20

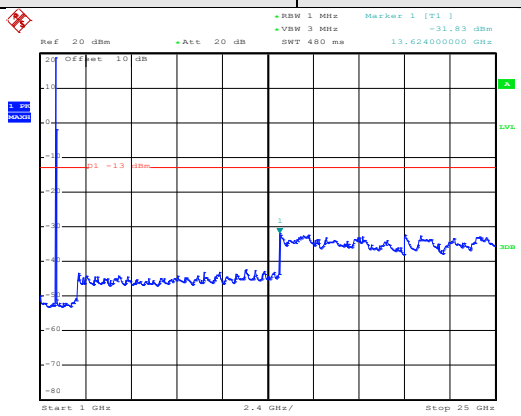
1GHz~25GHz

Test Mode:	LTE band 2(20MHz 16QAM) RB Size 50 & RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:38:07

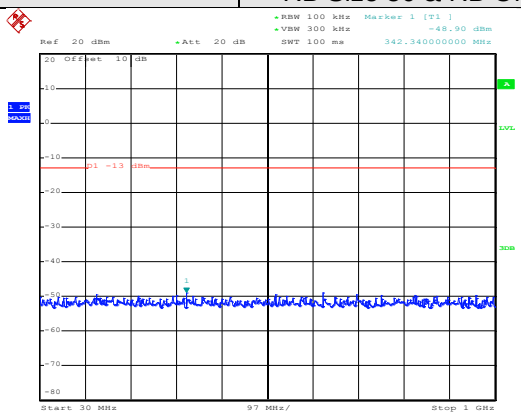
30MHz~1GHz



Date: 3.JUL.2017 16:05:26

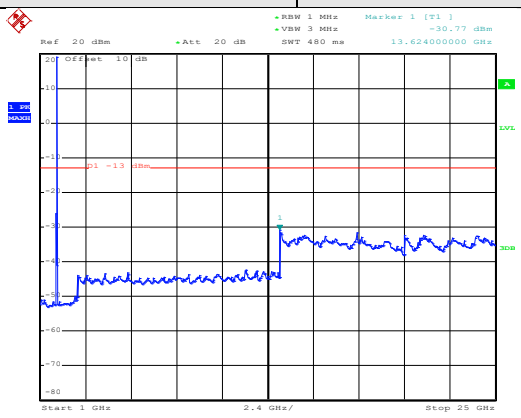
1GHz~25GHz

Test Mode:	LTE band 2(20MHz 16QAM) RB Size 50 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:39:02

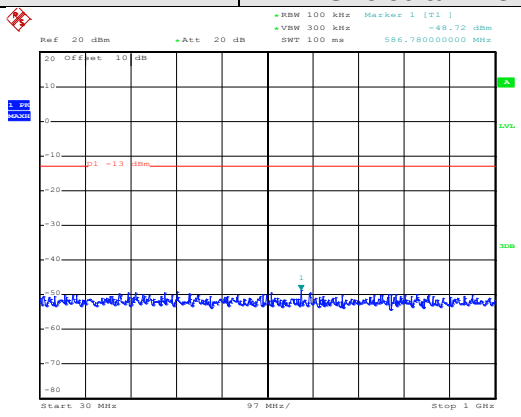
30MHz~1GHz



Date: 3.JUL.2017 16:09:24

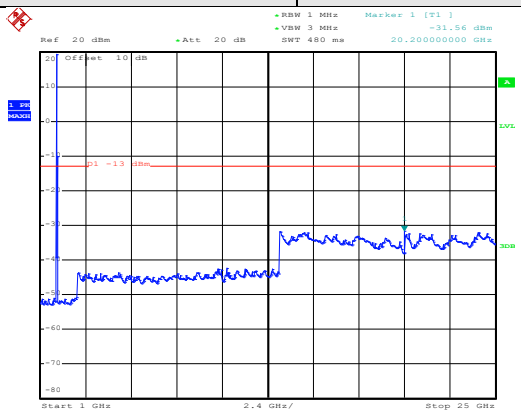
1GHz~25GHz

Test Mode:	LTE band 2(20MHz 16QAM) RB Size 50 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:40:03

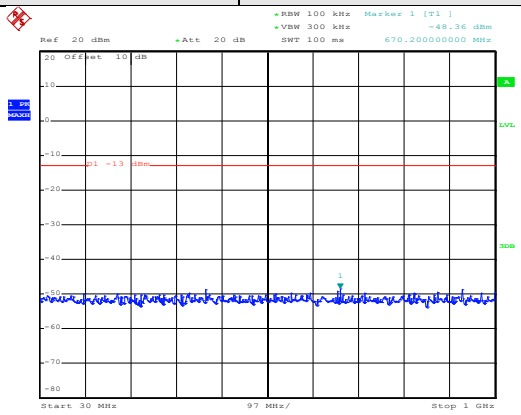
30MHz~1GHz



Date: 3.JUL.2017 16:13:46

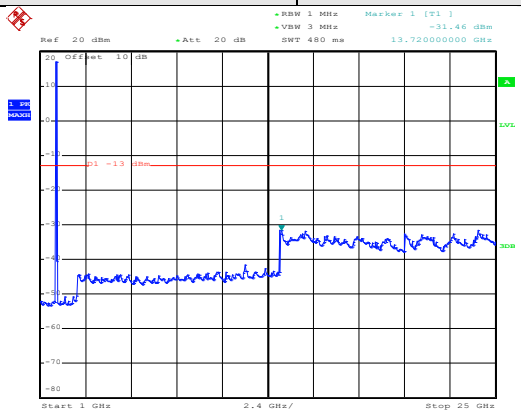
1GHz~25GHz

Test Mode:	LTE band 2(20MHz 16QAM) RB Size 100 & RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:38:23

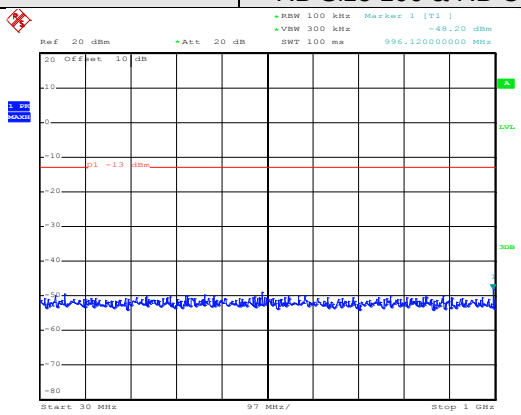
30MHz~1GHz



Date: 3.JUL.2017 16:06:49

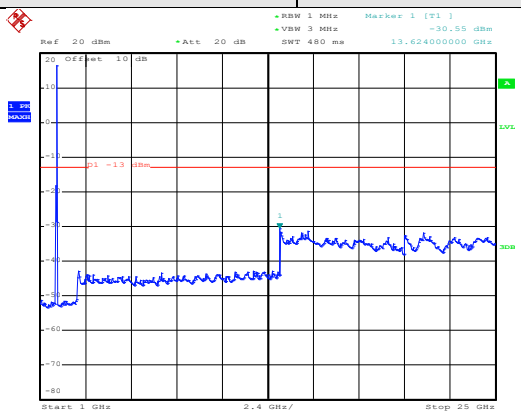
1GHz~25GHz

Test Mode:	LTE band 2(20MHz 16QAM) RB Size 100 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:39:25

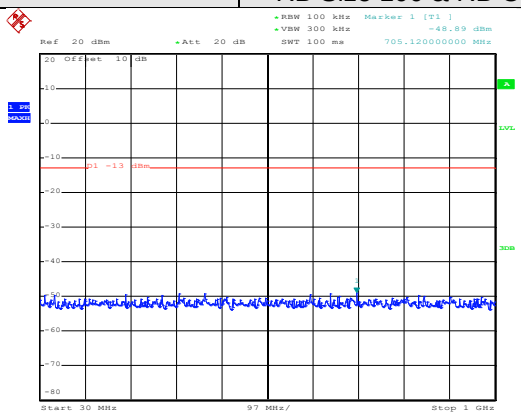
30MHz~1GHz



Date: 3.JUL.2017 16:11:09

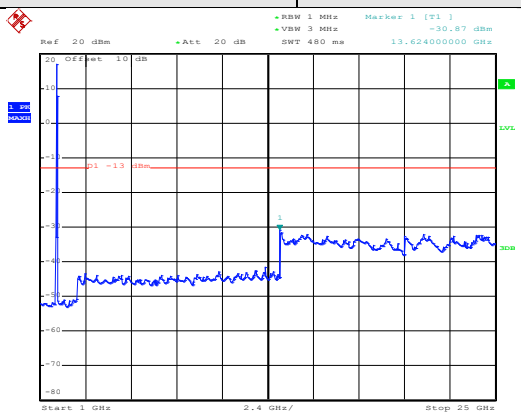
1GHz~25GHz

Test Mode:	LTE band 2(20MHz 16QAM) RB Size 100 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:40:21

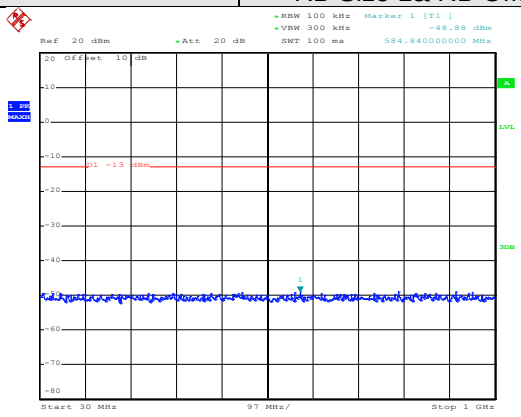
30MHz~1GHz



Date: 3.JUL.2017 16:16:04

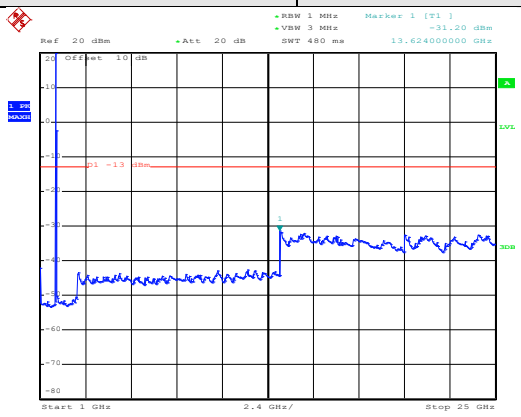
1GHz~25GHz

Test Mode:	LTE band 2(20MHz QPSK) RB Size 1& RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:37:44

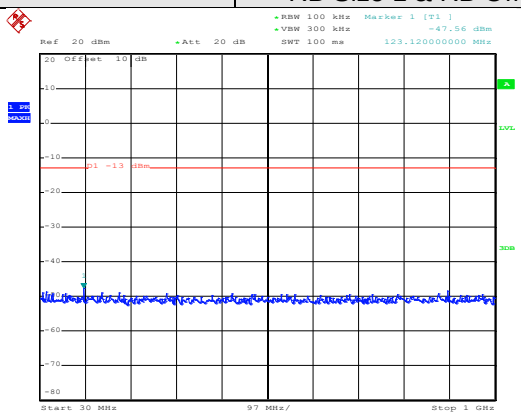
30MHz~1GHz



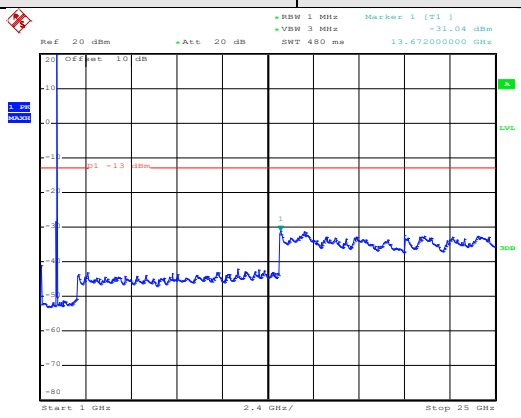
Date: 3.JUL.2017 16:03:55

1GHz~25GHz

Test Mode:	LTE band 2(20MHz QPSK) RB Size 1 & RB Offset 0	Test Channel:	Middle channel

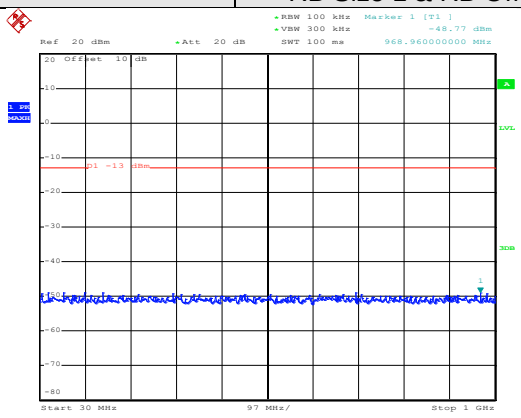


30MHz~1GHz

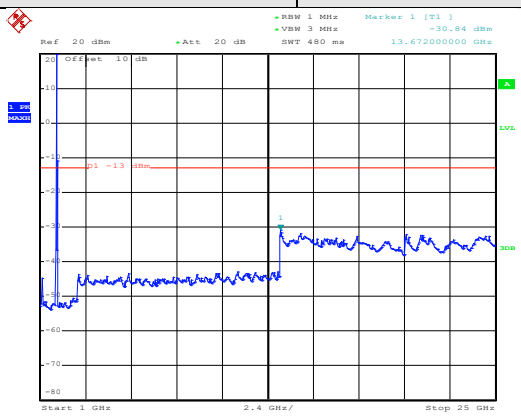


1GHz~25GHz

Test Mode:	LTE band 2(20MHz QPSK) RB Size 1 & RB Offset 0	Test Channel:	Highest channel

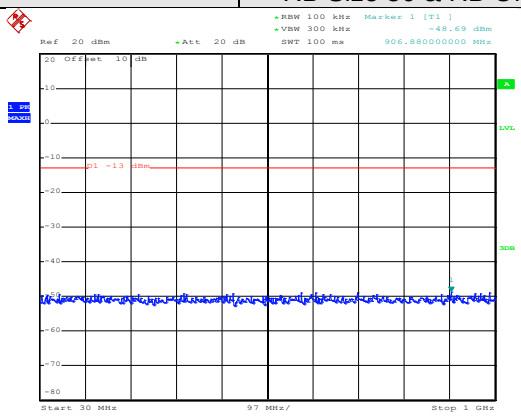


30MHz~1GHz



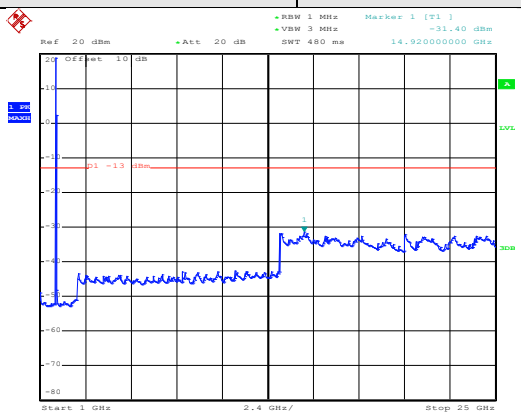
1GHz~25GHz

Test Mode:	LTE band 2(20MHz QPSK) RB Size 50 & RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:38:01

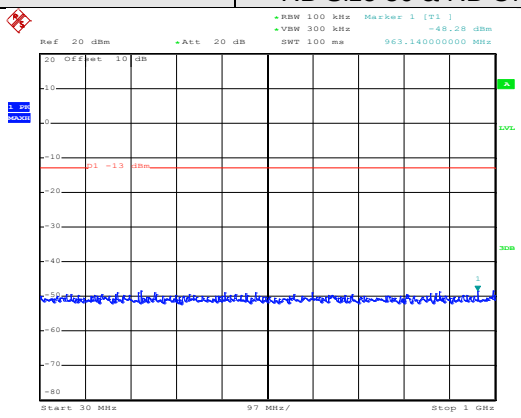
30MHz~1GHz



Date: 3.JUL.2017 16:04:59

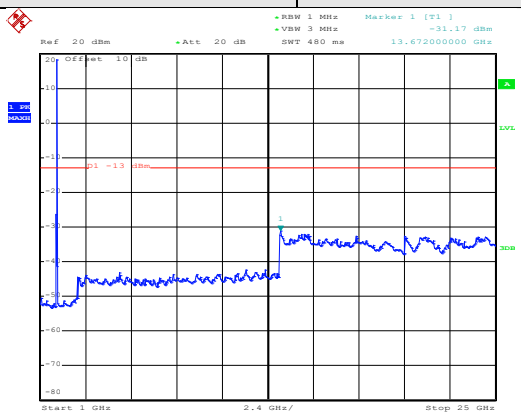
1GHz~25GHz

Test Mode:	LTE band 2(20MHz QPSK) RB Size 50 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:38:56

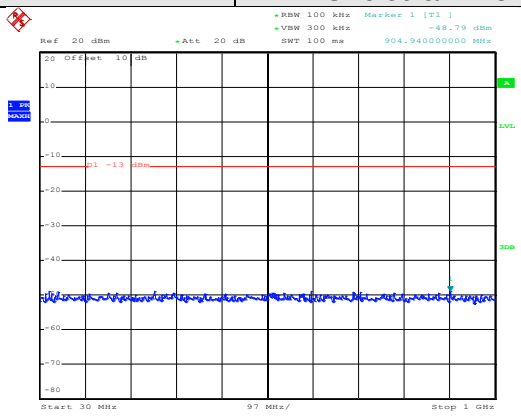
30MHz~1GHz



Date: 3.JUL.2017 16:08:45

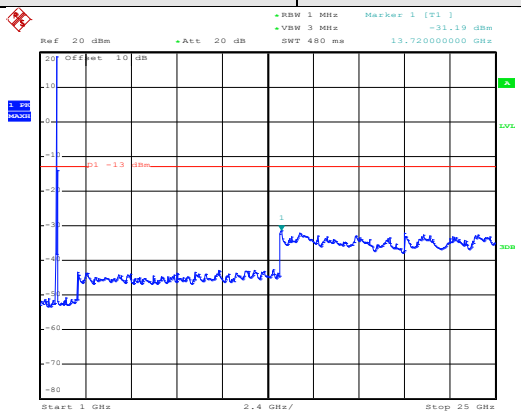
1GHz~25GHz

Test Mode:	LTE band 2(20MHz QPSK) RB Size 50 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:39:57

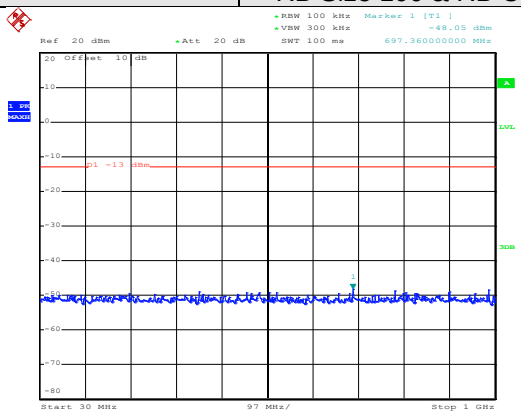
30MHz~1GHz



Date: 3.JUL.2017 16:12:51

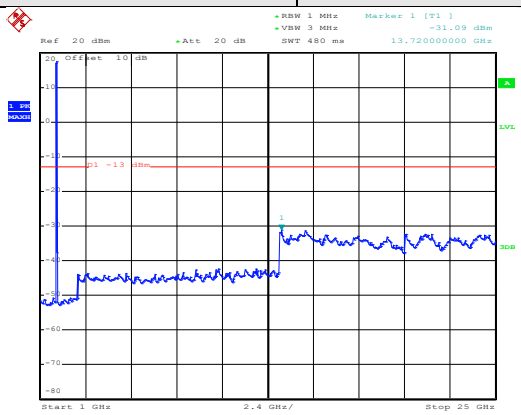
1GHz~25GHz

Test Mode:	LTE band 2(20MHz QPSK) RB Size 100 & RB Offset 0	Test Channel:	Lowest channel



Date: 3.JUL.2017 16:38:16

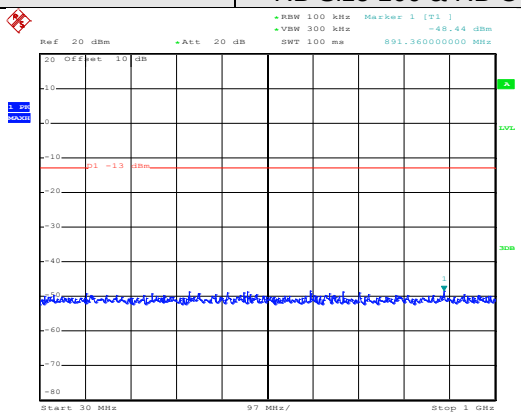
30MHz~1GHz



Date: 3.JUL.2017 16:06:28

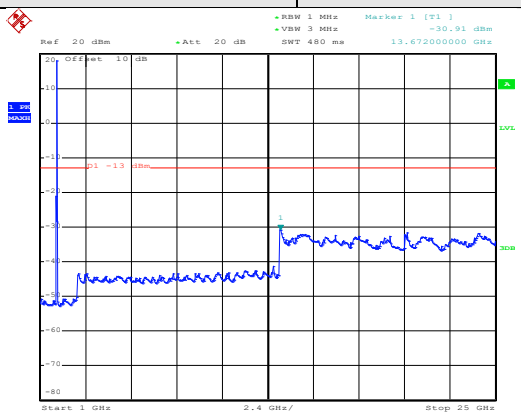
1GHz~25GHz

Test Mode:	LTE band 2(20MHz QPSK) RB Size 100 & RB Offset 0	Test Channel:	Middle channel



Date: 3.JUL.2017 16:39:19

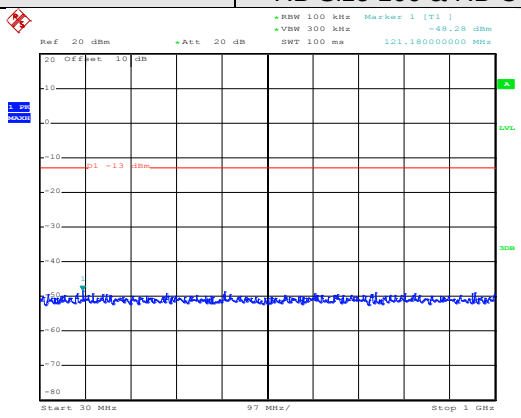
30MHz~1GHz



Date: 3.JUL.2017 16:10:42

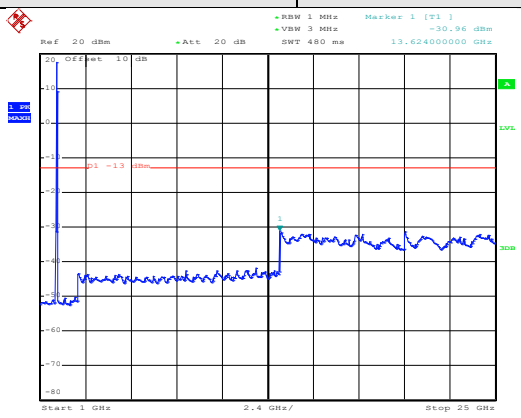
1GHz~25GHz

Test Mode:	LTE band 2(20MHz QPSK) RB Size 100 & RB Offset 0	Test Channel:	Highest channel



Date: 3.JUL.2017 16:40:15

30MHz~1GHz



Date: 3.JUL.2017 16:15:22

1GHz~25GHz