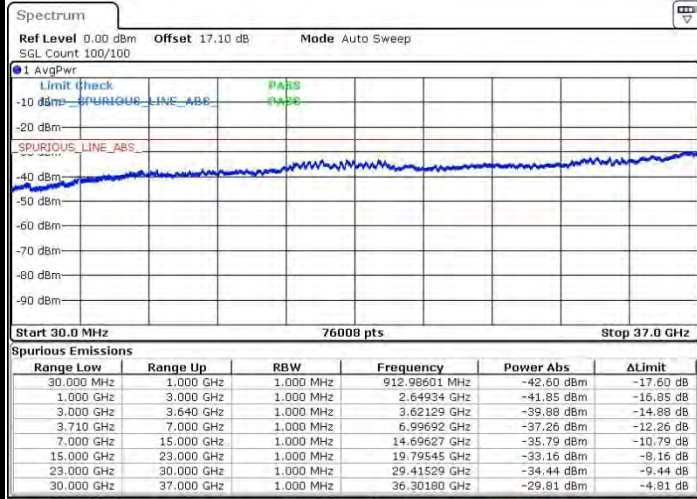




Conducted Spurious Emission

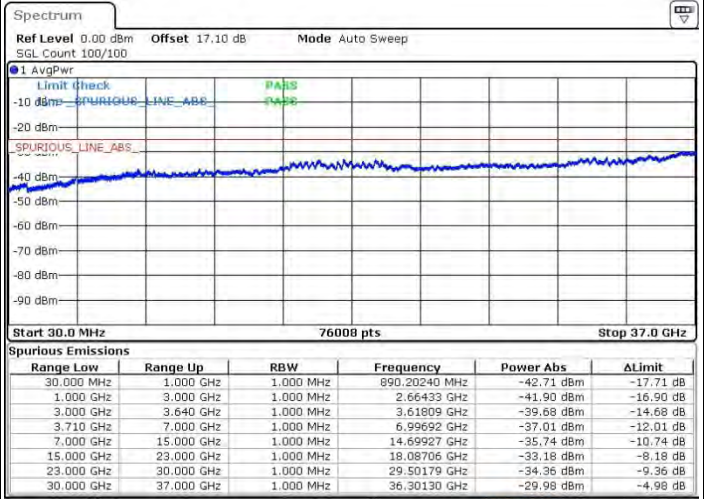
LTE Band 43 / 5MHz

Lowest Channel / QPSK



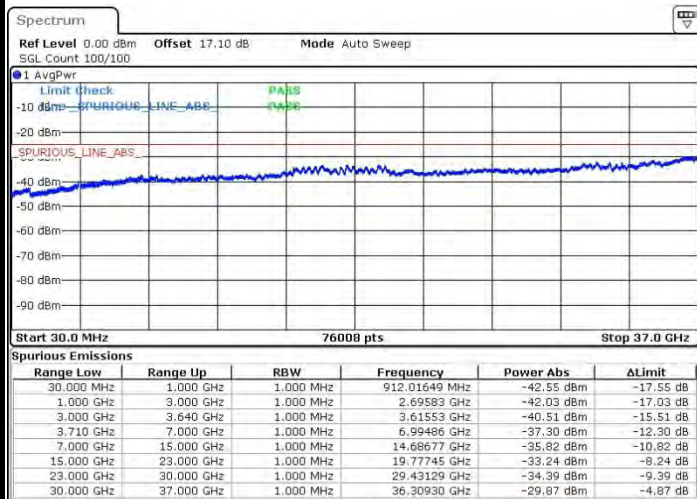
Date: 4 AUG.2015 17:00:57

Lowest Channel / 16QAM



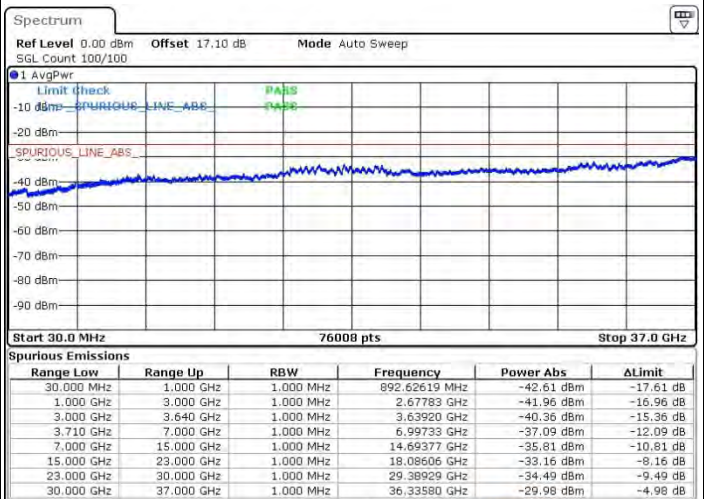
Date: 4 AUG.2015 17:01:55

Middle Channel / QPSK



Date: 4 AUG.2015 17:13:14

Middle Channel / 16QAM

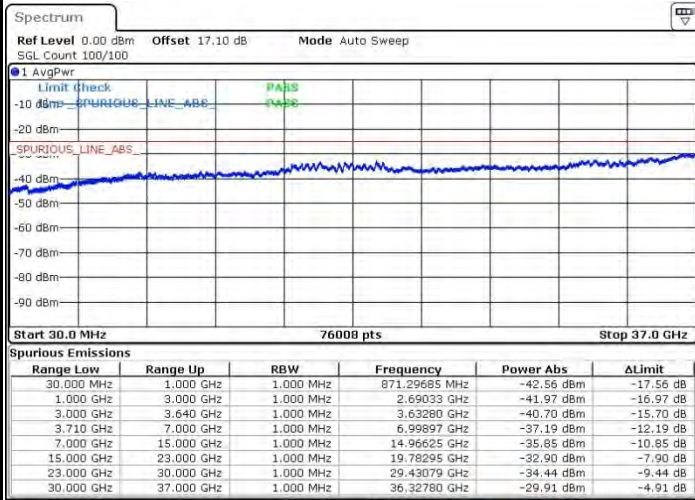


Date: 4 AUG.2015 17:14:32



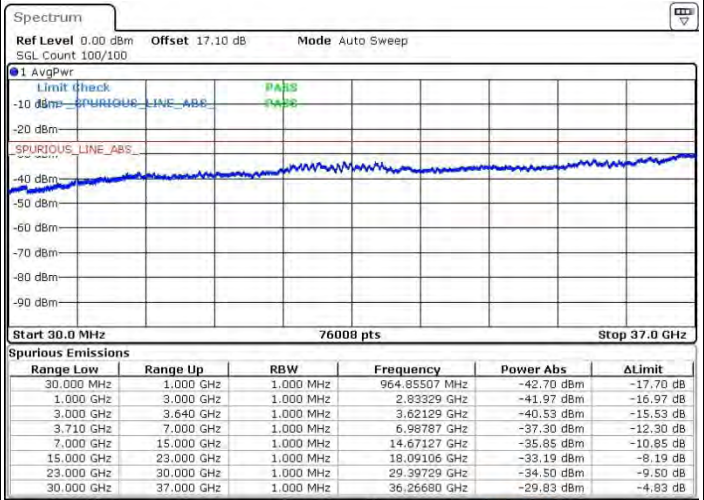
LTE Band 43 / 5MHz

Highest Channel / QPSK



Date: 4 AUG.2015 17:03:04

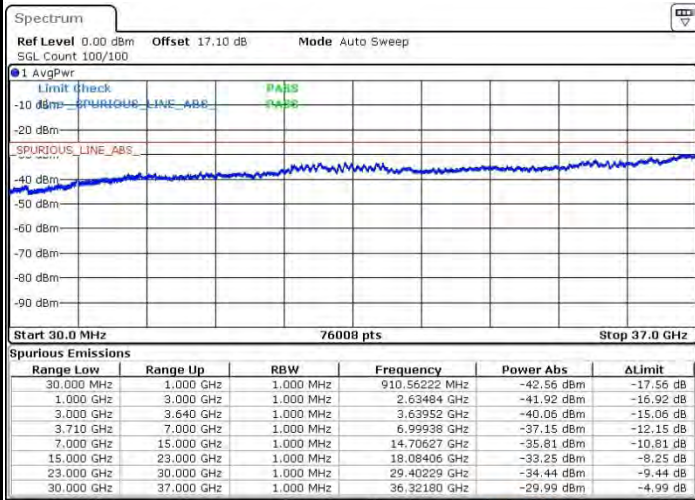
Highest Channel / 16QAM



Date: 4 AUG.2015 17:04:03

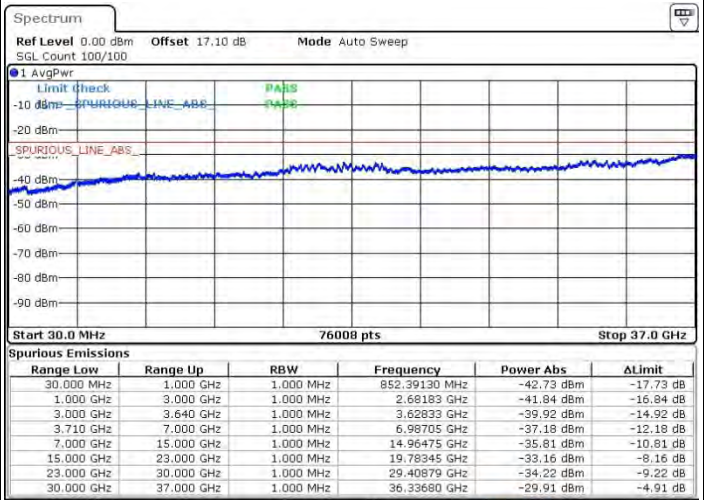
LTE Band 43 / 10MHz

Lowest Channel / QPSK



Date: 4 AUG.2015 17:05:46

Lowest Channel / 16QAM



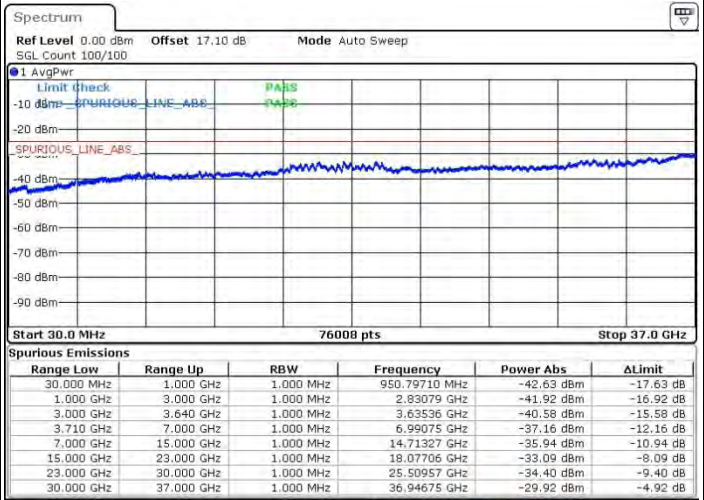
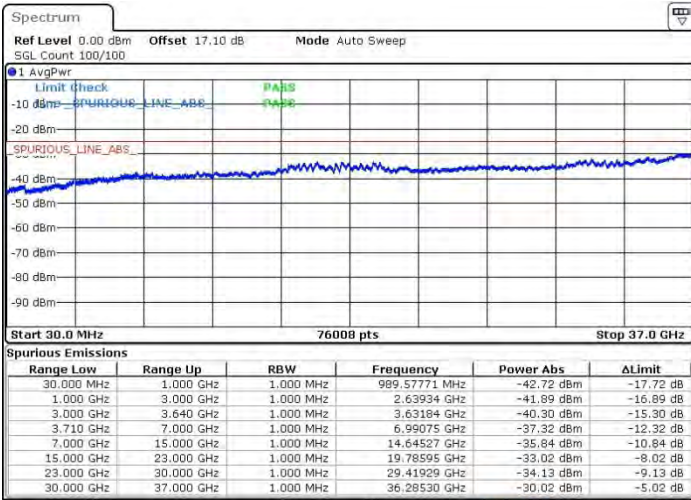
Date: 4 AUG.2015 17:06:44



LTE Band 43 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

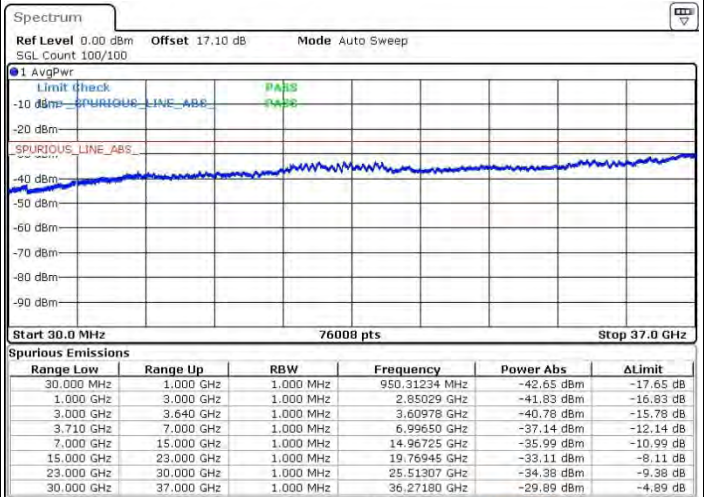
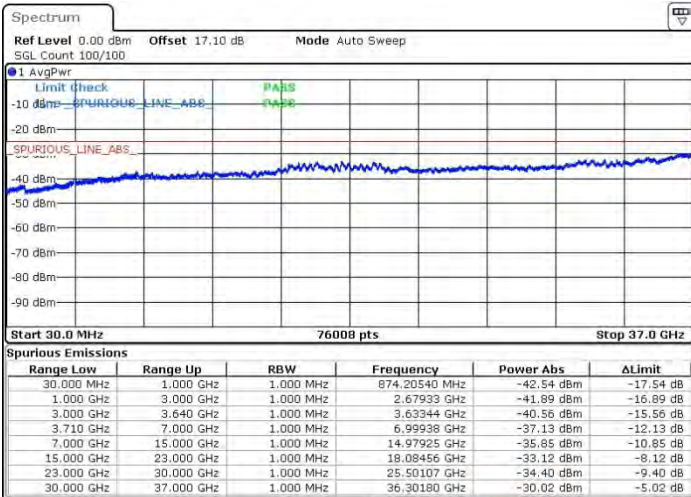


Date: 4 AUG.2015 17:16:05

Date: 4 AUG.2015 17:17:04

Highest Channel / QPSK

Highest Channel / 16QAM



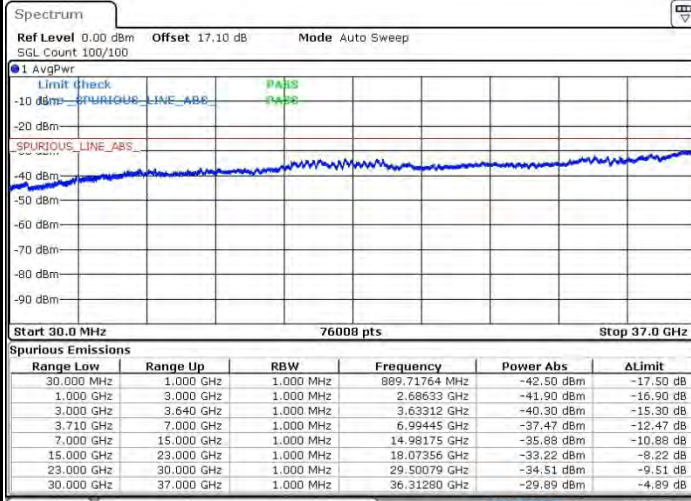
Date: 4 AUG.2015 17:08:18

Date: 4 AUG.2015 17:18:02



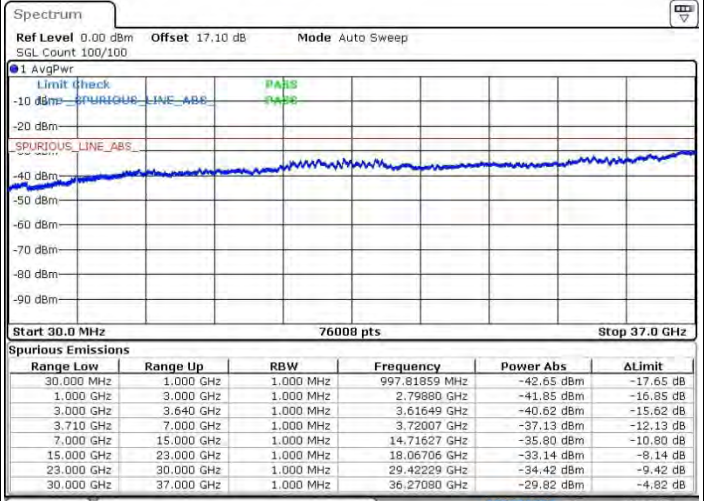
LTE Band 43 / 15MHz

Lowest Channel / QPSK



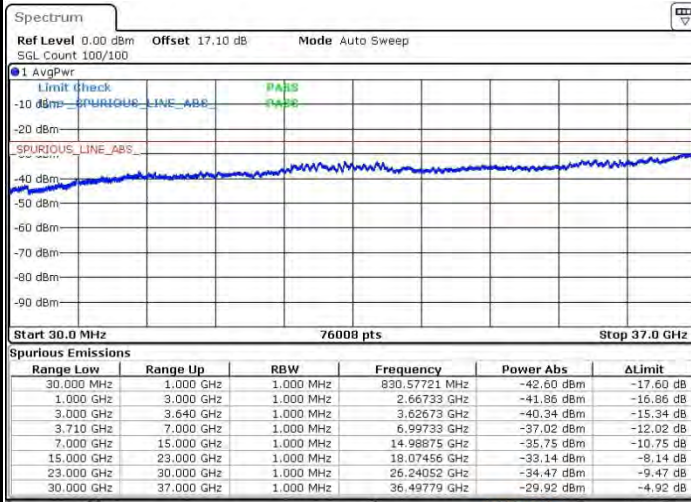
Date: 4 AUG.2015 17:20:34

Lowest Channel / 16QAM



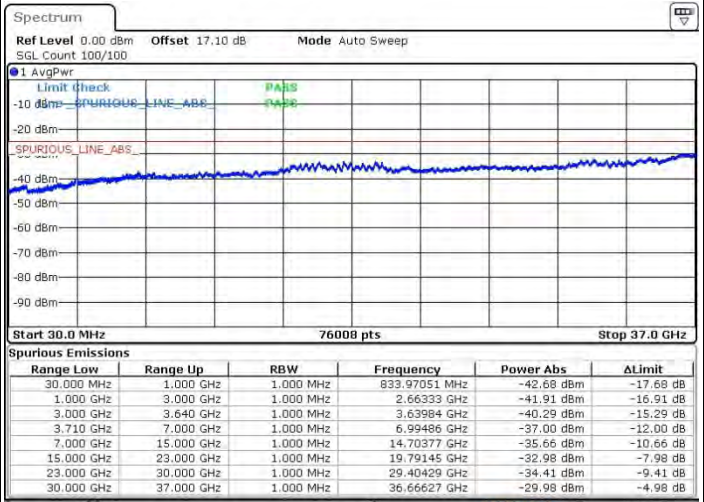
Date: 4 AUG.2015 17:21:47

Middle Channel / QPSK



Date: 4 AUG.2015 17:22:45

Middle Channel / 16QAM

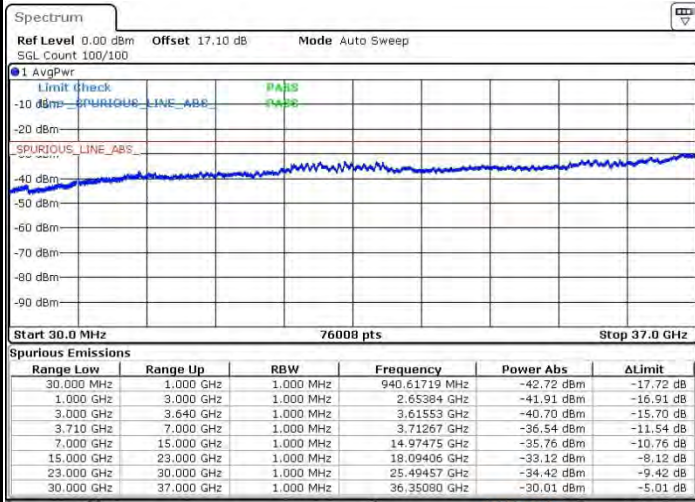


Date: 4 AUG.2015 17:23:43



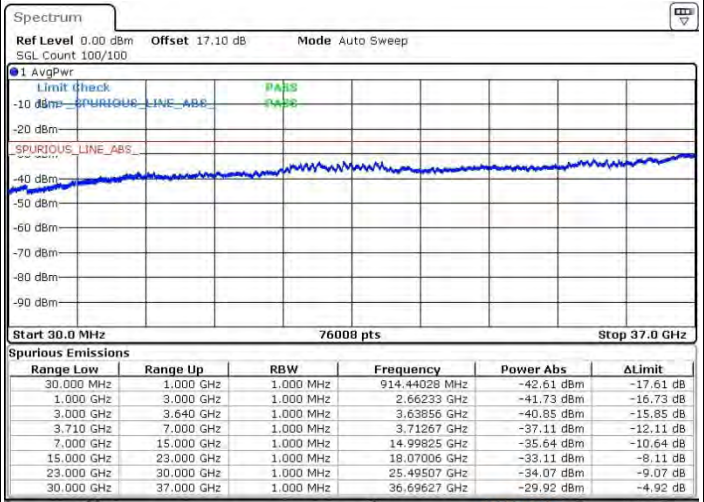
LTE Band 7 / 15MHz

Highest Channel / QPSK



Date: 4 AUG.2015 17:24:42

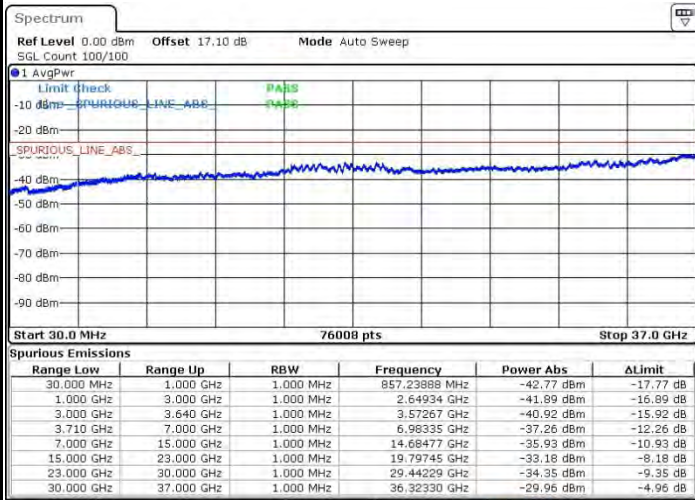
Highest Channel / 16QAM



Date: 4 AUG.2015 17:25:40

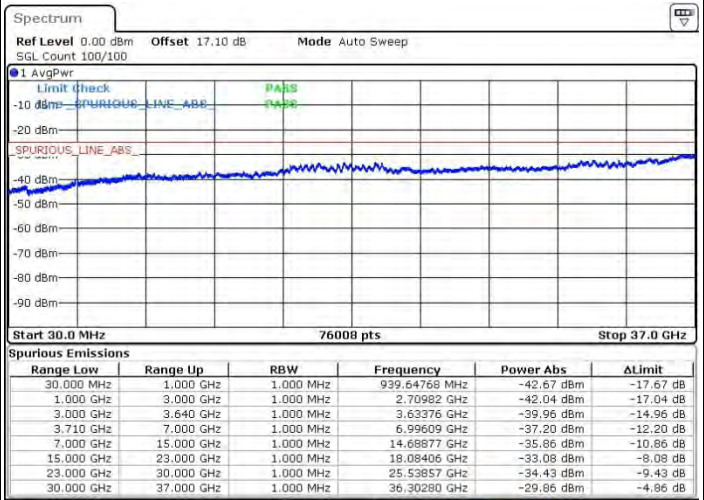
LTE Band 43 / 20MHz

Lowest Channel / QPSK



Date: 4 AUG.2015 17:28:07

Lowest Channel / 16QAM



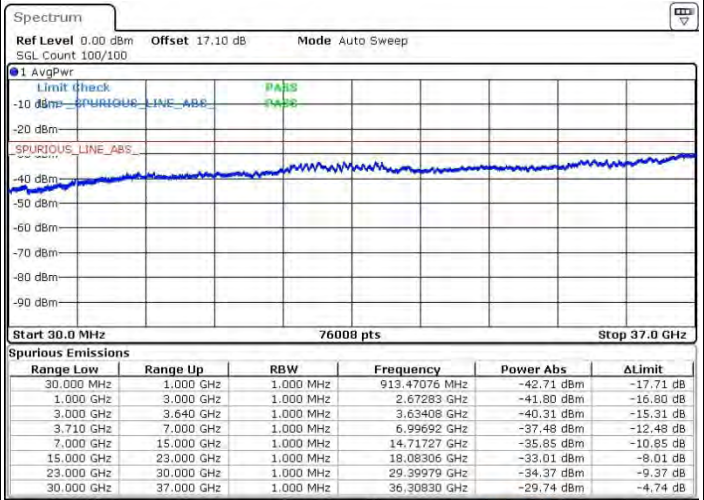
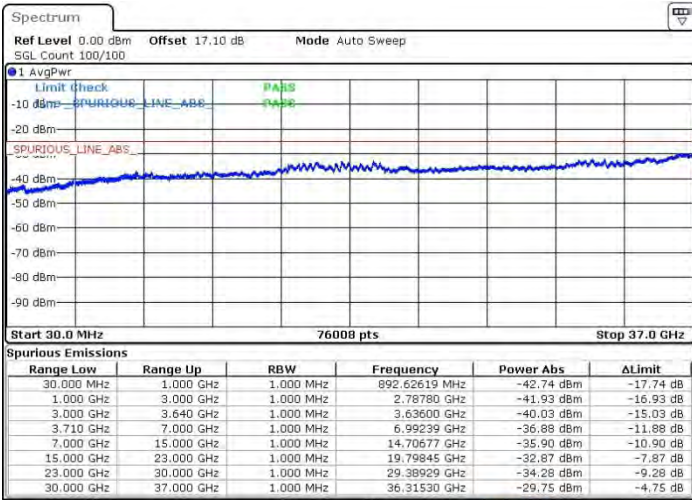
Date: 4 AUG.2015 17:29:21



LTE Band 43 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

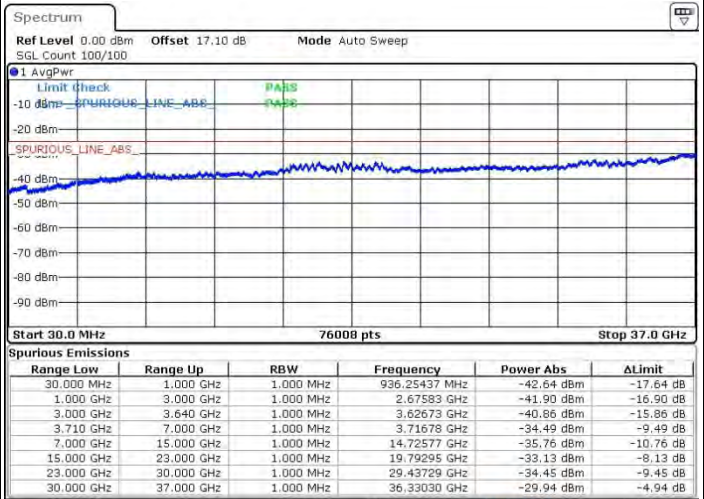
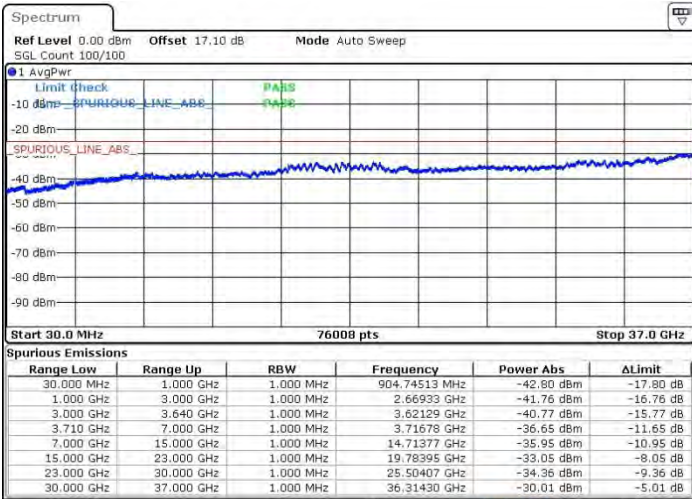


Date: 4 AUG.2015 17:30:20

Date: 4 AUG.2015 17:31:18

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 4 AUG.2015 17:32:17

Date: 4 AUG.2015 17:33:15

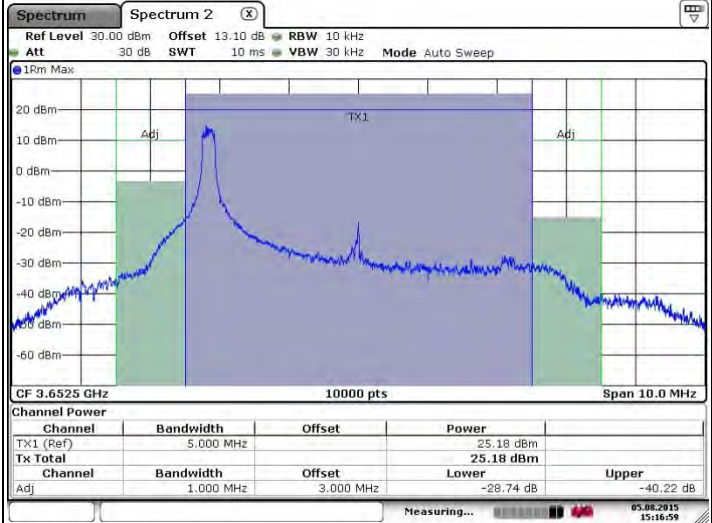
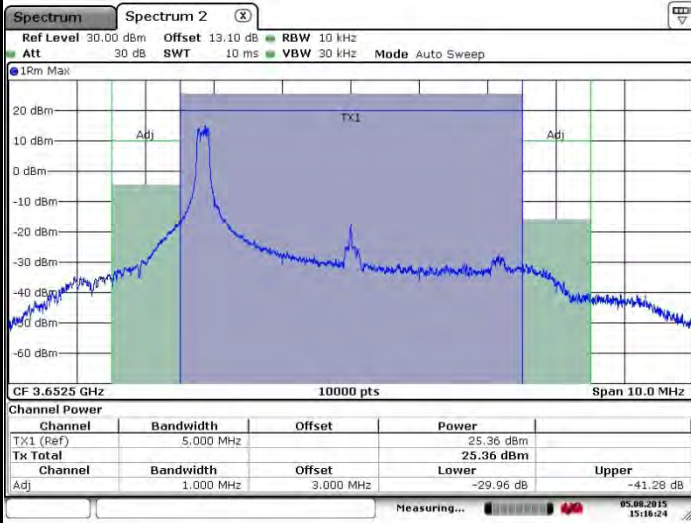
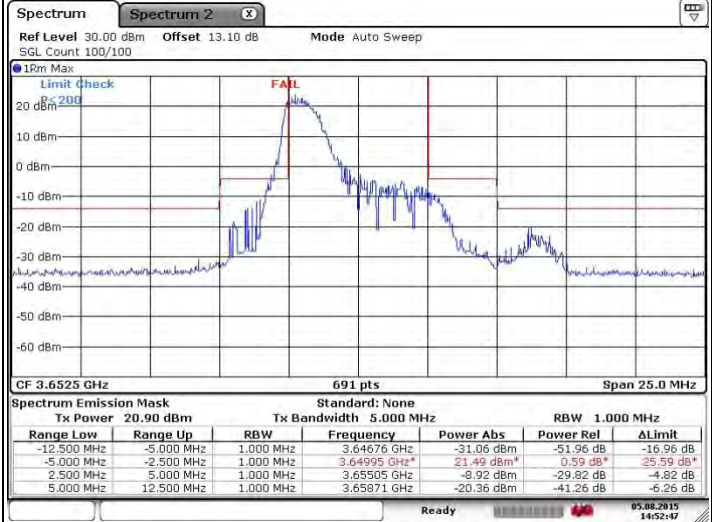
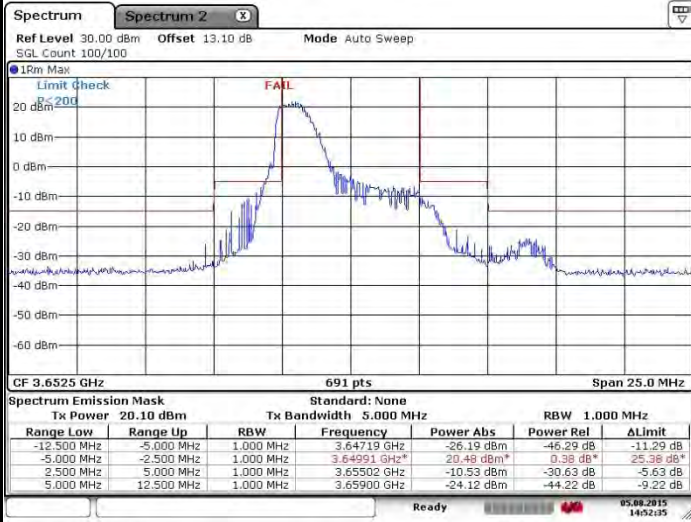


MASK

LTE Band 43 / 5MHz

Low channel / 1 RB 0 / QPSK

Low channel / 1 RB 0 / 16QAM

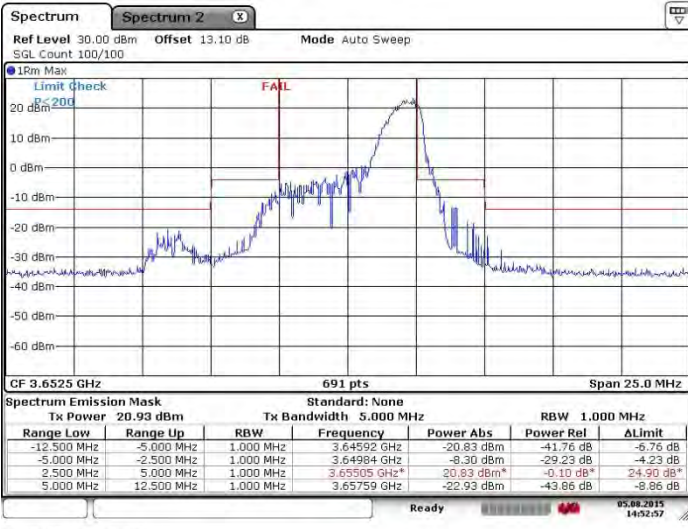




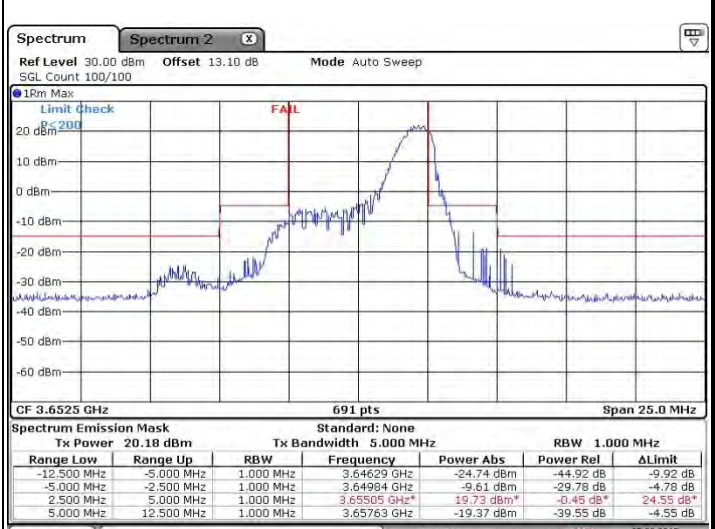
LTE Band 43 / 5MHz

Low channel / 1 RB Max / QPSK

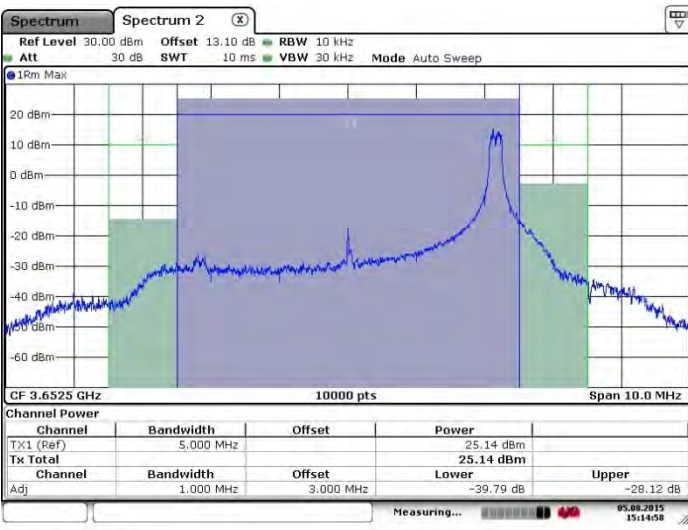
Low channel / 1 RB Max / 16QAM



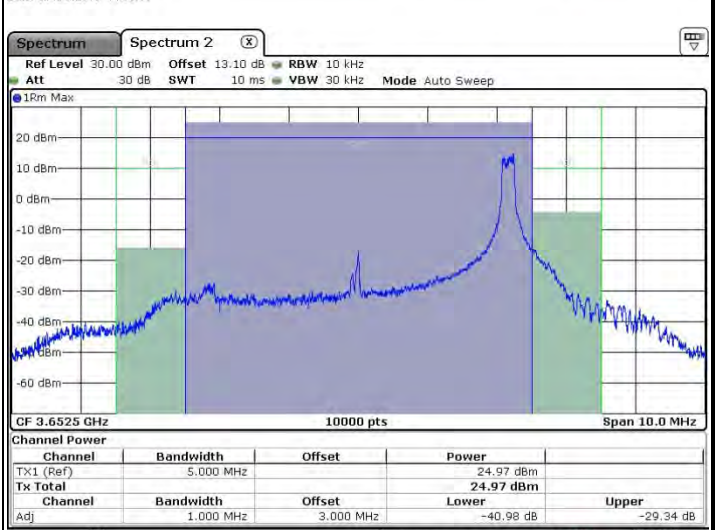
Date: 5 AUG 2015 14:52:57



Date: 5 AUG 2015 14:53:11



Date: 5 AUG 2015 15:14:59



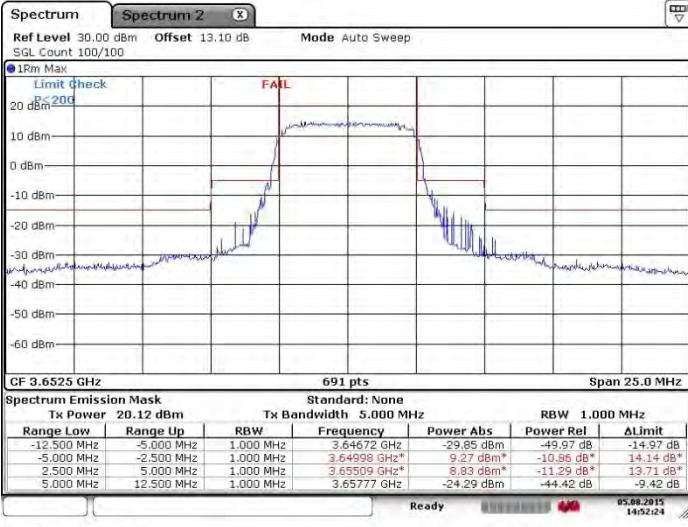
Date: 5 AUG 2015 15:15:54



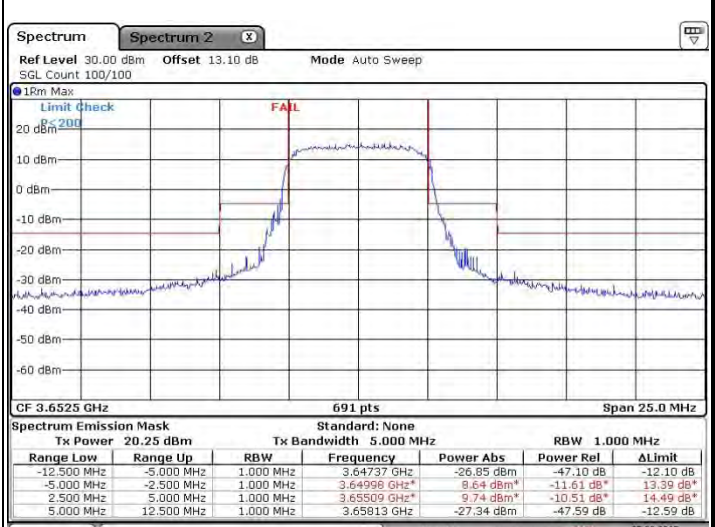
LTE Band 43 / 5MHz

Low channel / Full RB / QPSK

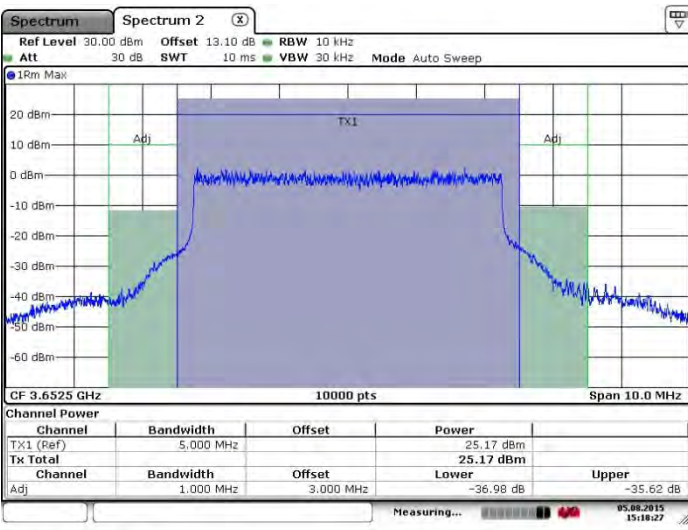
Low channel / Full RB / 16QAM



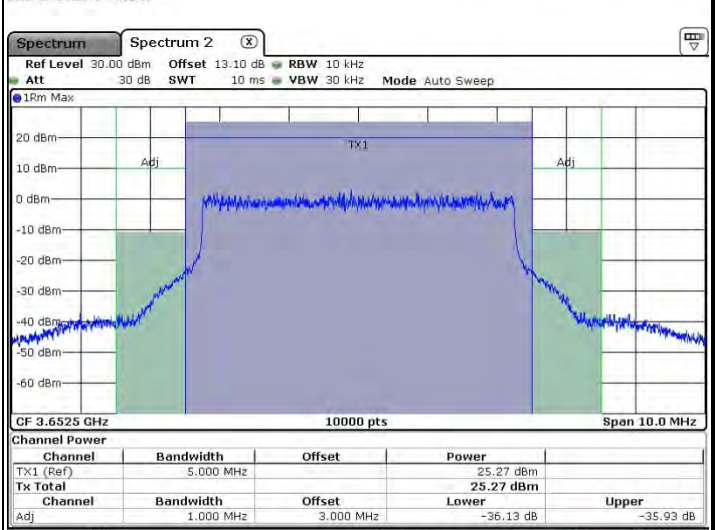
Date: 5 AUG 2015 14:52:25



Date: 5 AUG 2015 14:52:00



Date: 5 AUG 2015 15:18:27



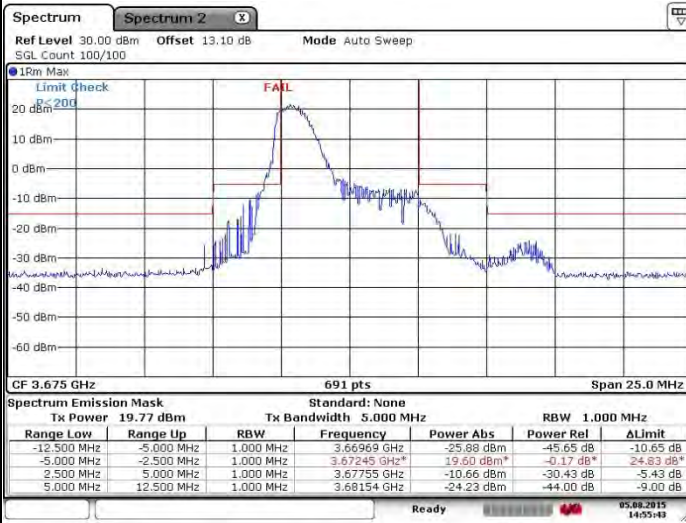
Date: 5 AUG 2015 15:17:56



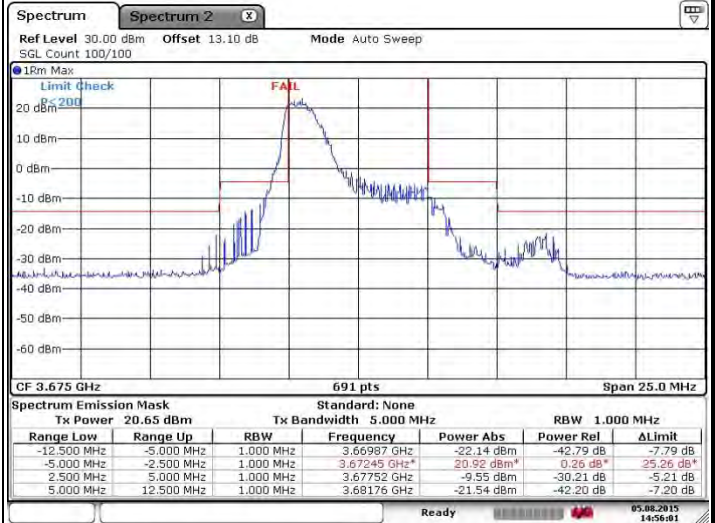
LTE Band 43 / 5MHz

Middle channel / 1 RB 0 / QPSK

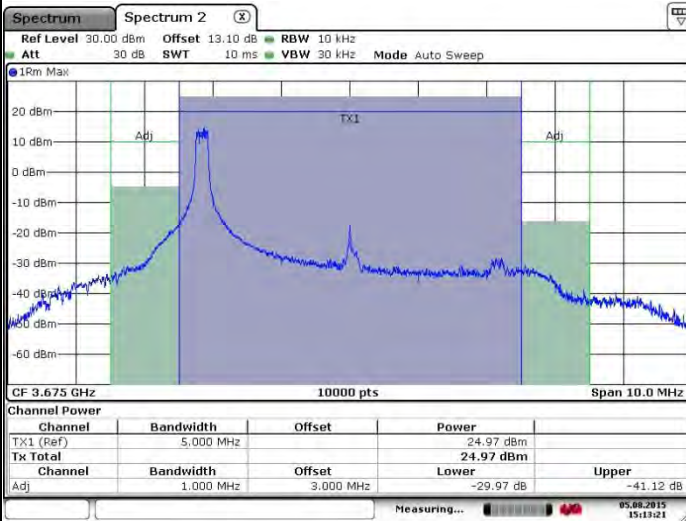
Middle channel / 1 RB 0 / 16QAM



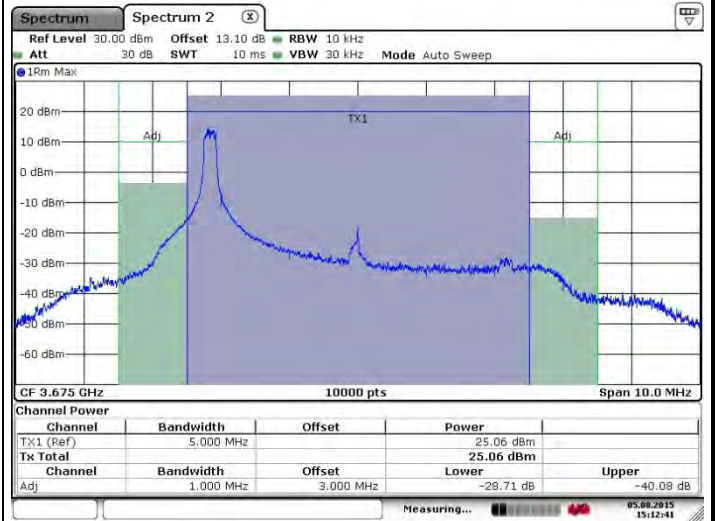
Date: 5 AUG 2015 14:55:43



Date: 5 AUG 2015 14:56:02



Date: 5 AUG 2015 15:13:21



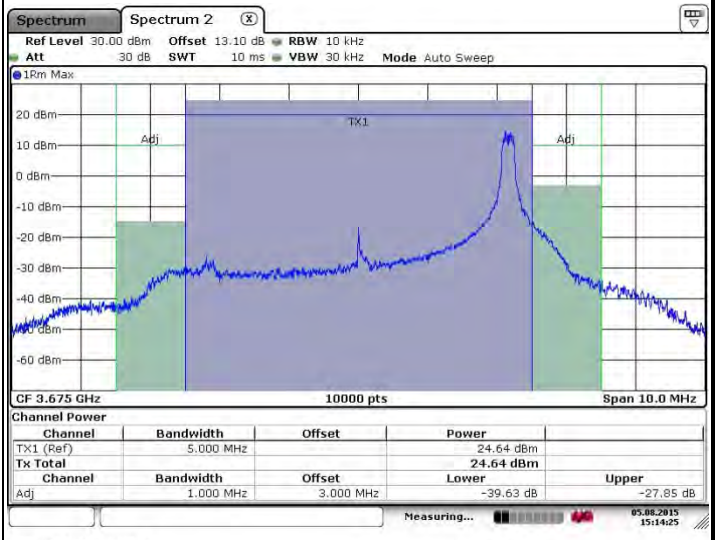
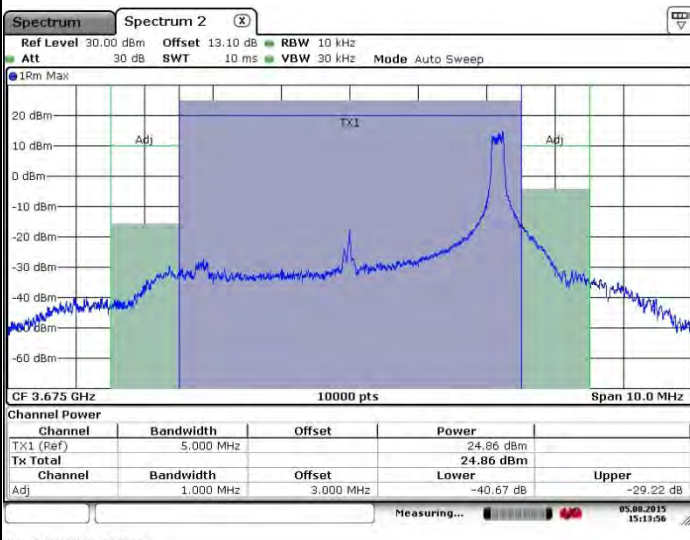
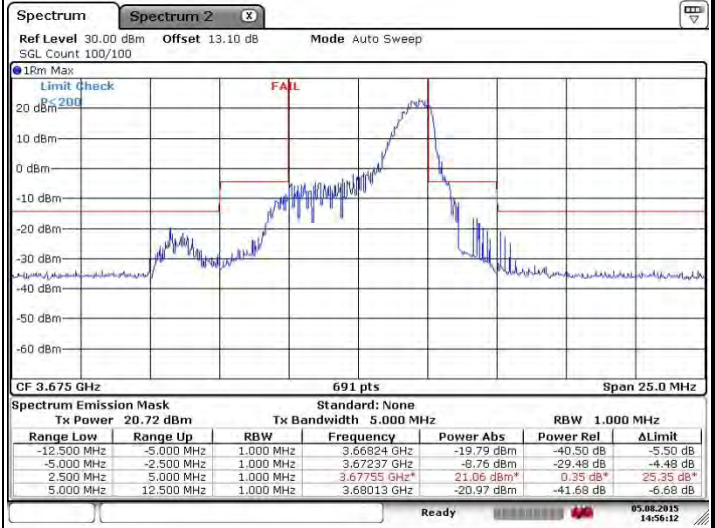
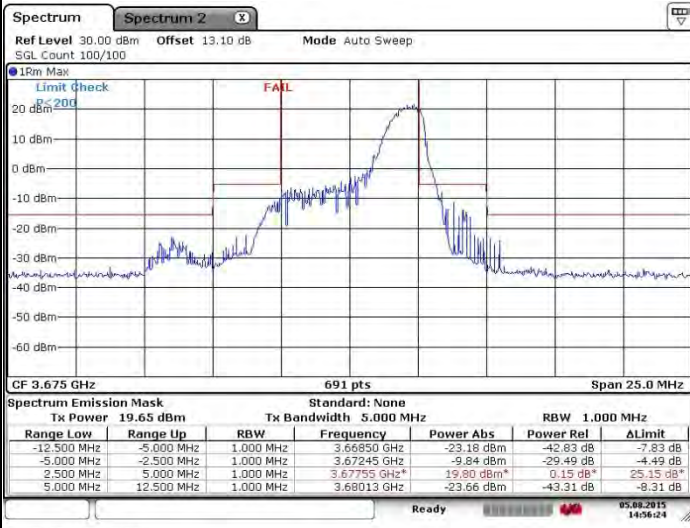
Date: 5 AUG 2015 15:12:41



LTE Band 43 / 5MHz

Middle channel / 1 RB Max / QPSK

Middle channel / 1 RB Max / 16QAM

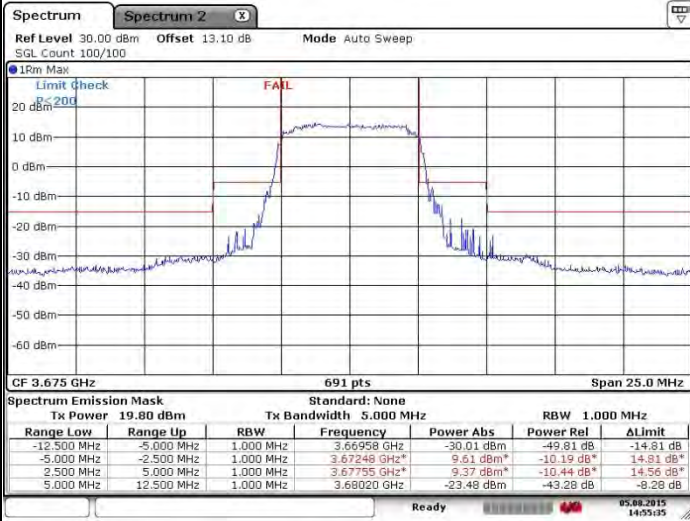




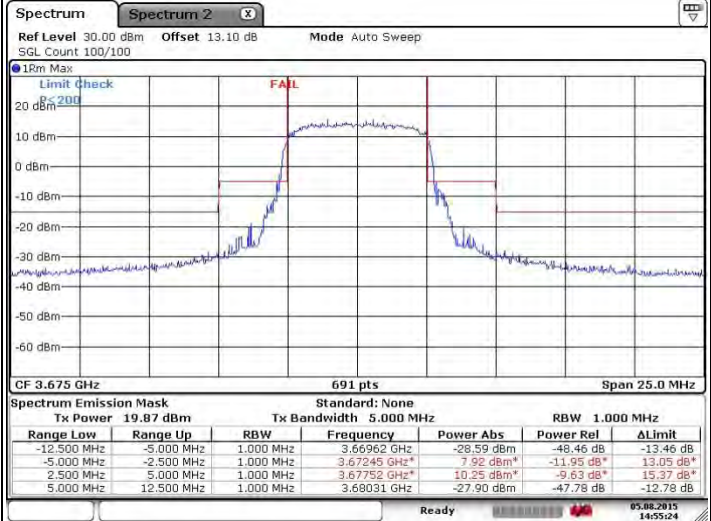
LTE Band 43 / 5MHz

Middle channel / Full RB / QPSK

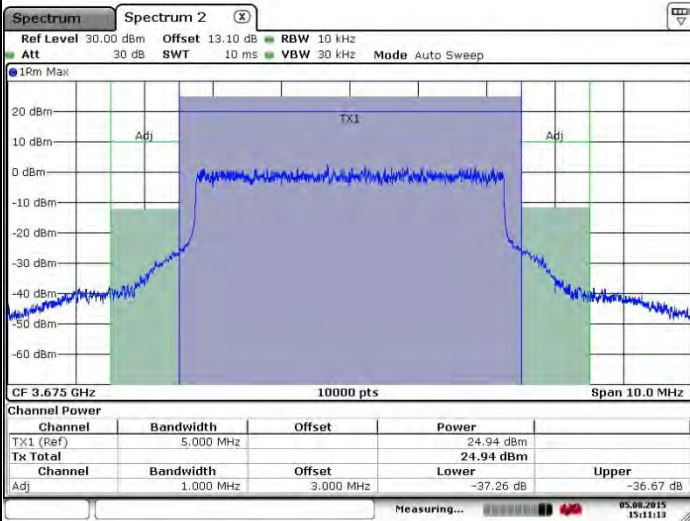
Middle channel / Full RB / 16QAM



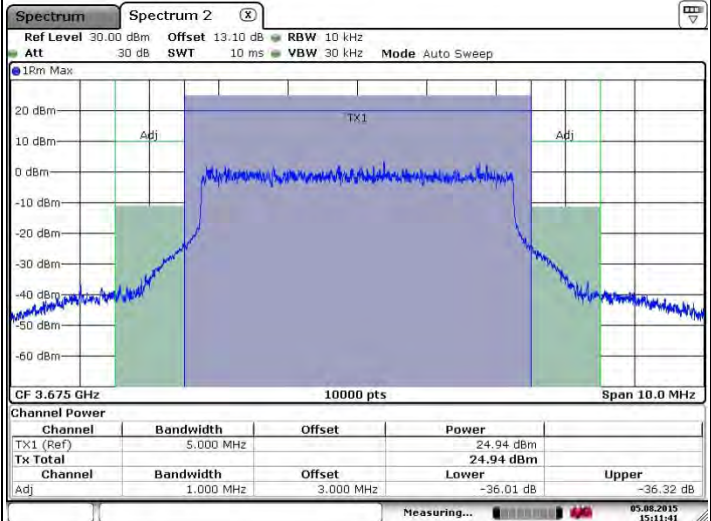
Date: 5 AUG 2015 14:55:35



Date: 5 AUG 2015 14:55:24



Date: 5 AUG 2015 15:11:13



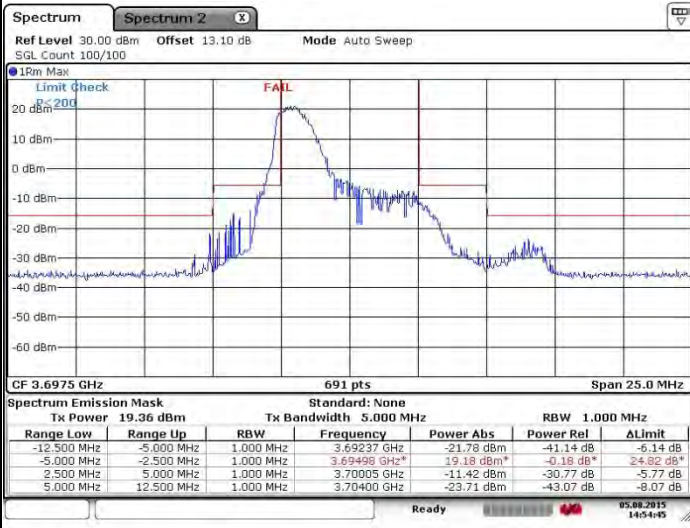
Date: 5 AUG 2015 15:11:41



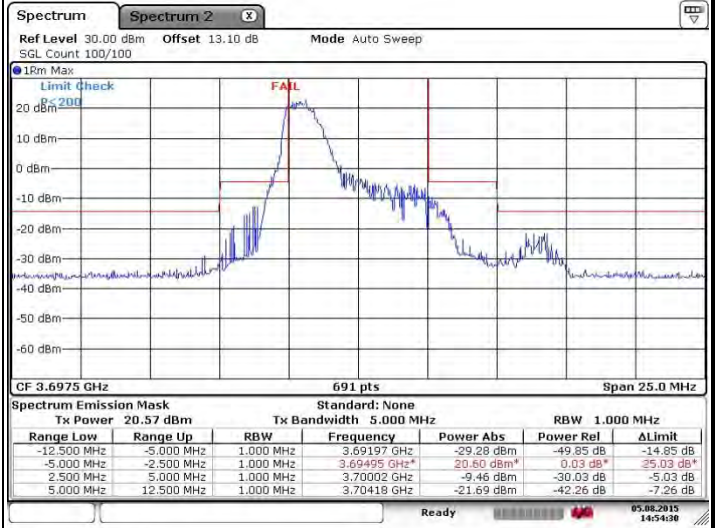
LTE Band 43 / 5MHz

High channel / 1 RB 0 / QPSK

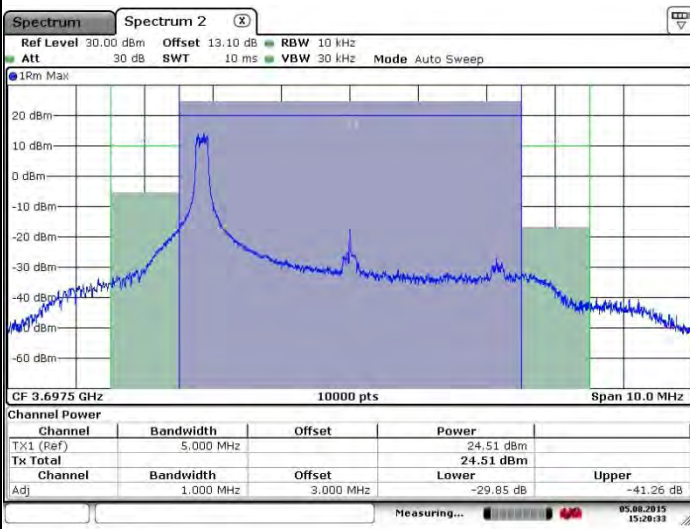
High channel / 1 RB 0 / 16QAM



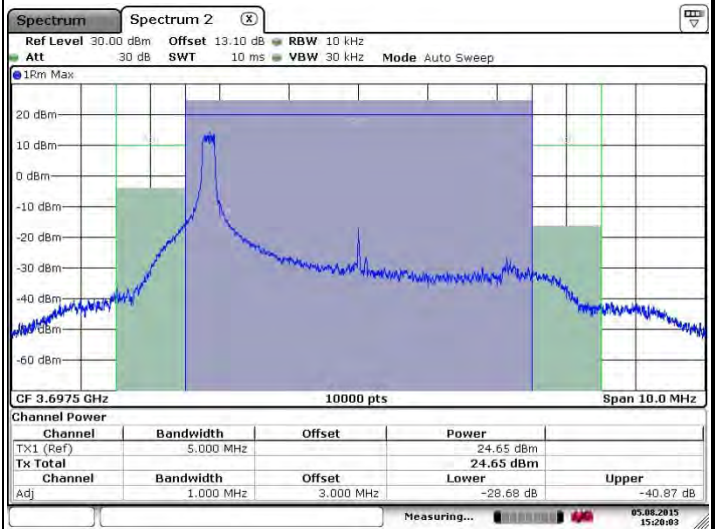
Date: 5 AUG 2015 14:54:45



Date: 5 AUG 2015 14:54:31



Date: 5 AUG 2015 15:20:33



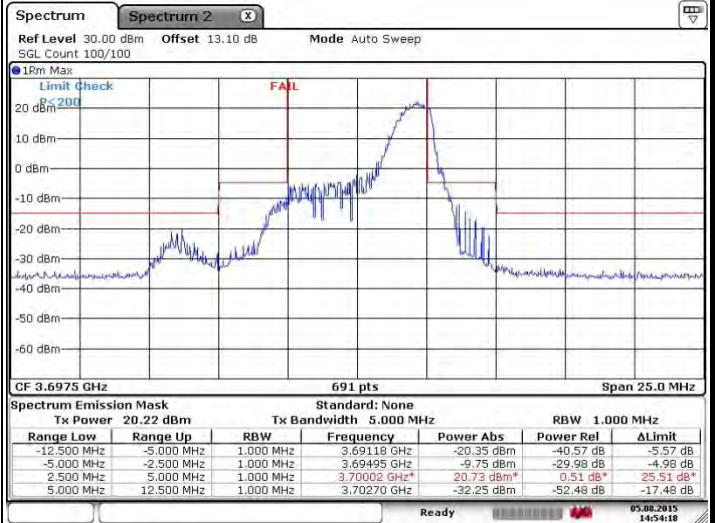
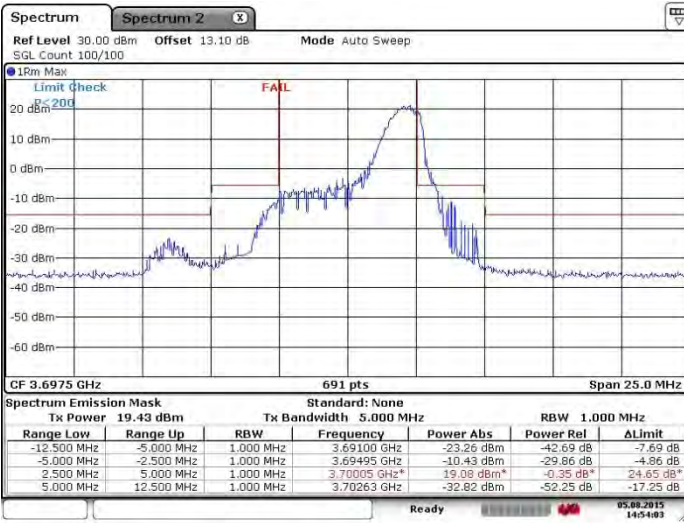
Date: 5 AUG 2015 15:20:03



LTE Band 43 / 5MHz

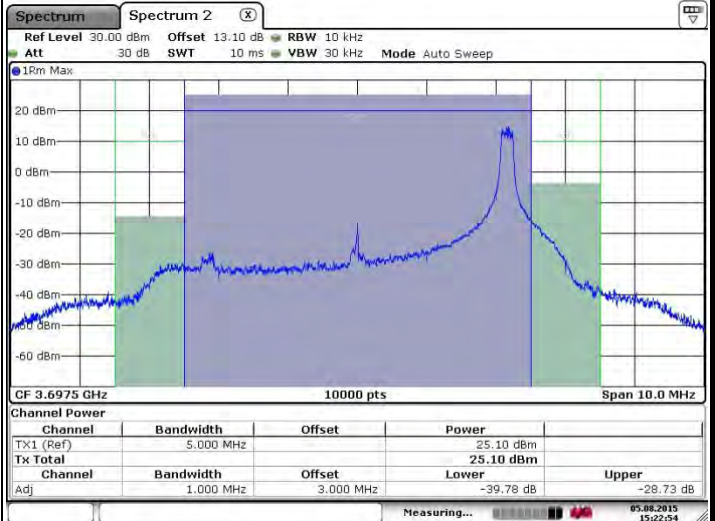
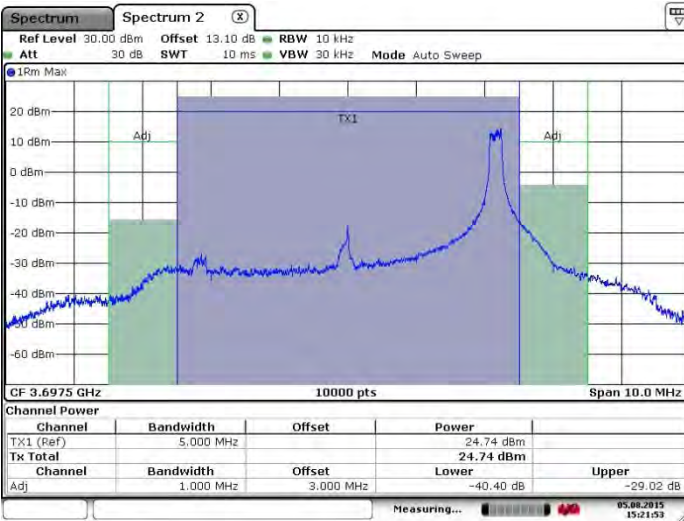
High channel / 1 RB Max / QPSK

High channel / 1 RB Max / 16QAM



Date: 5 AUG 2015 14:54:03

Date: 5 AUG 2015 14:54:18



Date: 5 AUG 2015 15:21:53

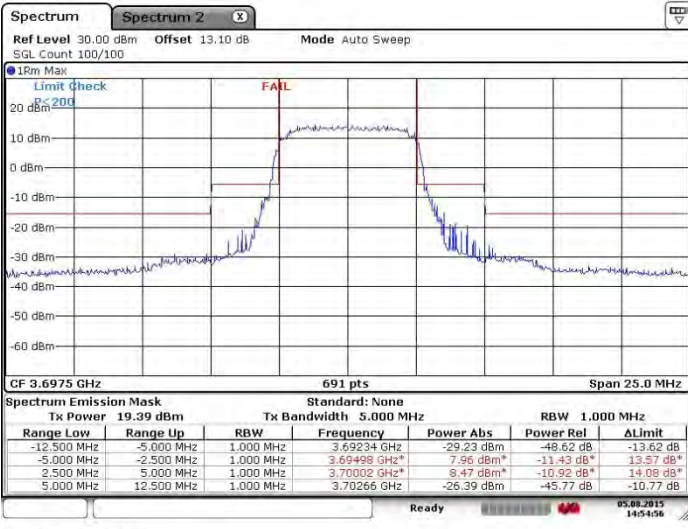
Date: 5 AUG 2015 15:22:53



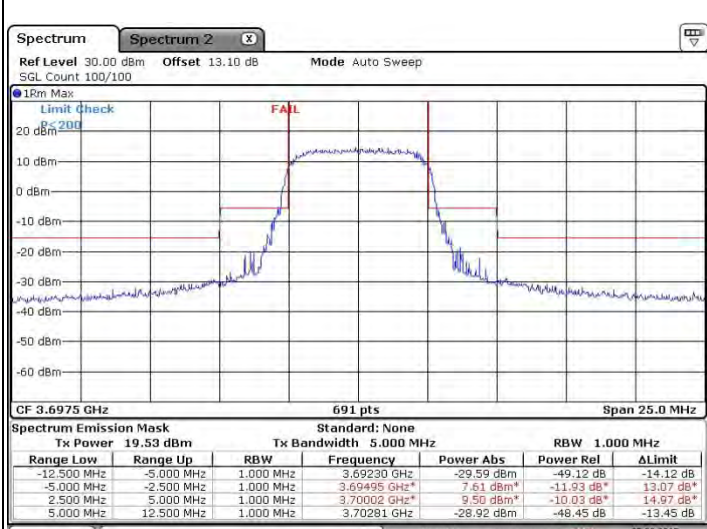
LTE Band 43 / 5MHz

High channel / Full RB / QPSK

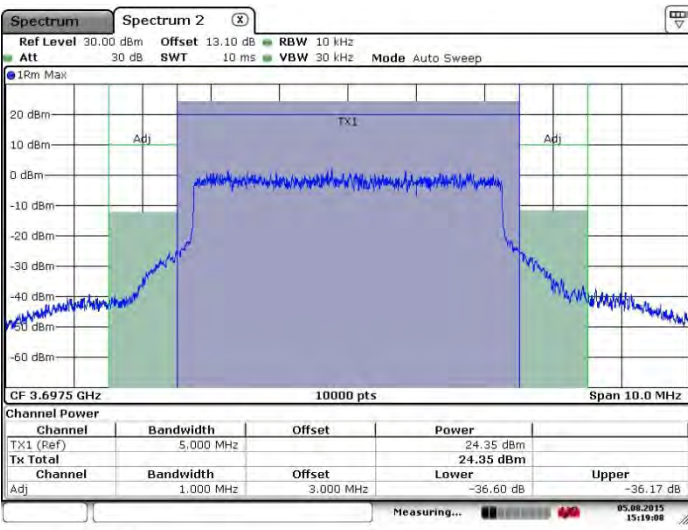
High channel / Full RB / 16QAM



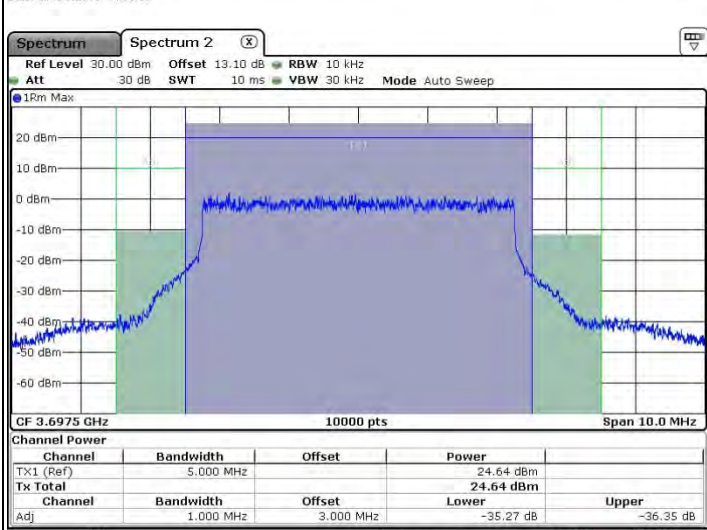
Date: 5 AUG 2015 14:54:56



Date: 5 AUG 2015 14:55:07



Date: 5 AUG 2015 15:19:08



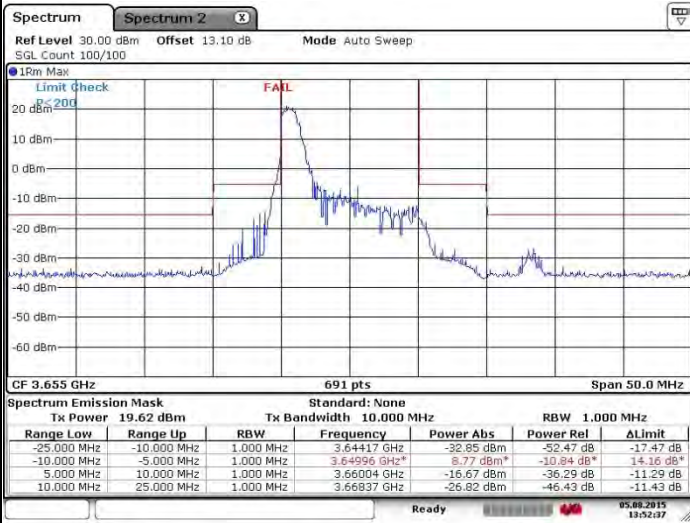
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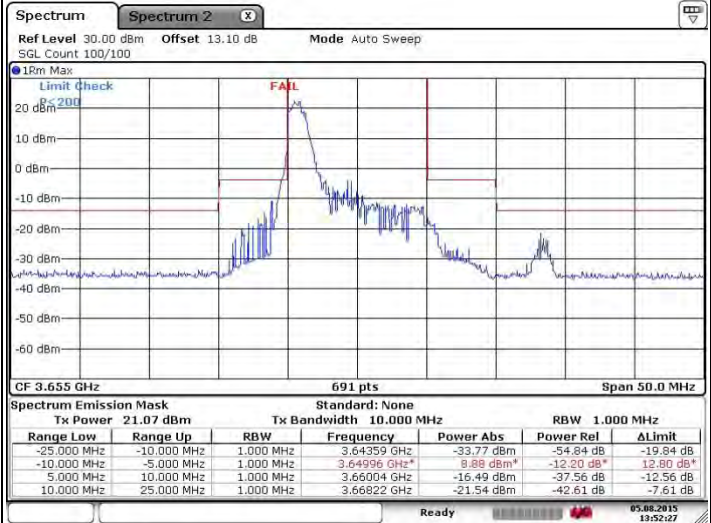
LTE Band 43 / 10MHz

Low channel / 1 RB 0 / QPSK

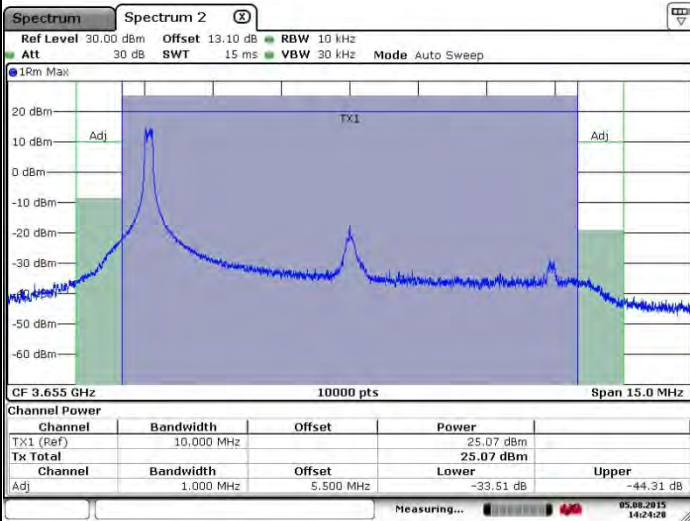
Low channel / 1 RB 0 / 16QAM



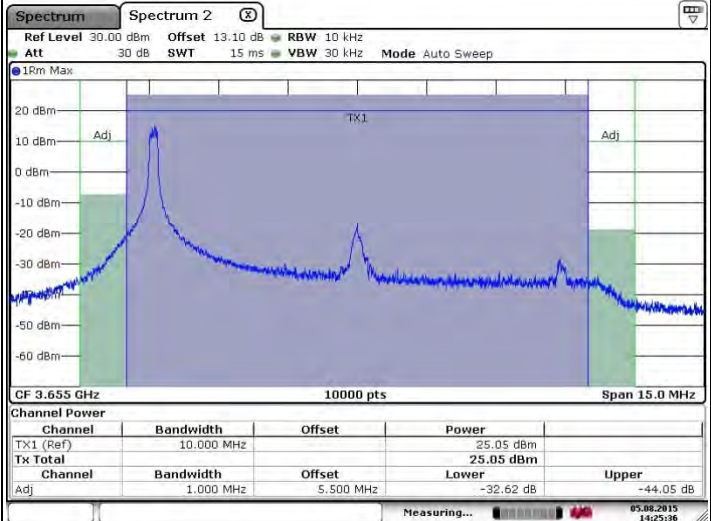
Date: 5 AUG 2015 13:52:37



Date: 5 AUG 2015 13:52:26



Date: 5 AUG 2015 14:24:29



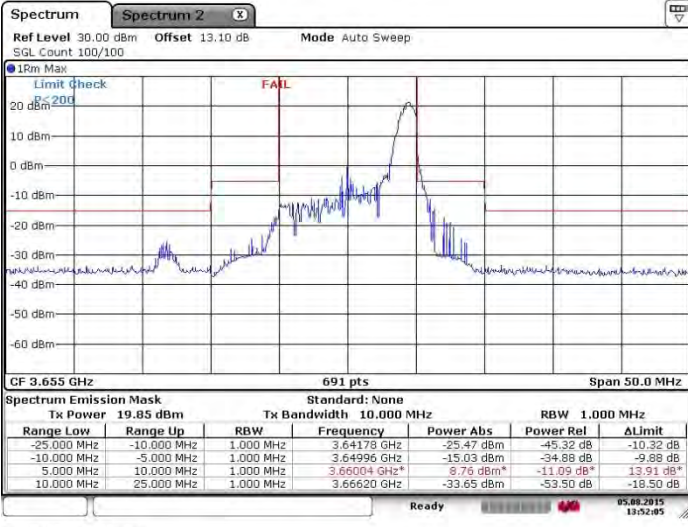
Date: 5 AUG 2015 14:25:37



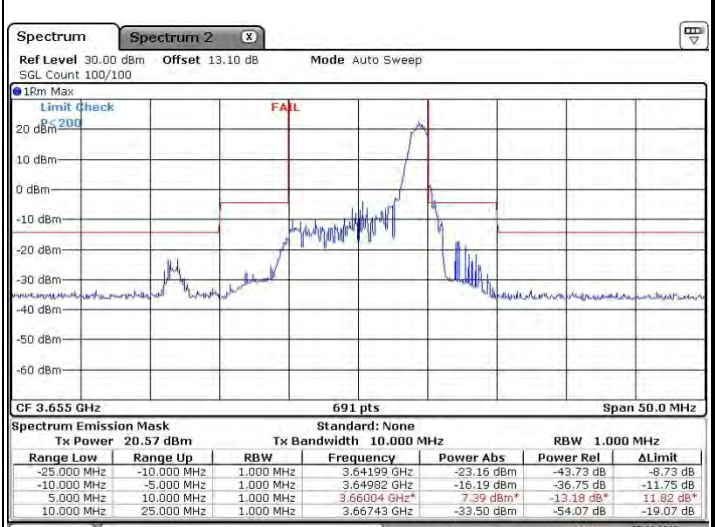
LTE Band 43 / 10MHz

Low channel / 1 RB Max / QPSK

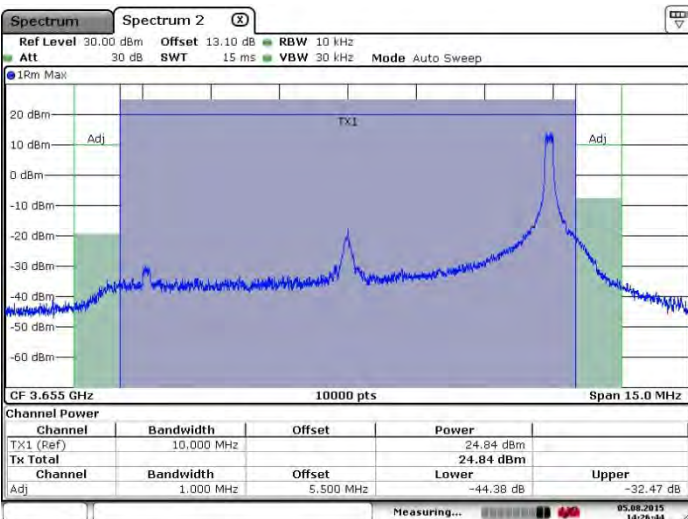
Low channel / 1 RB Max / 16QAM



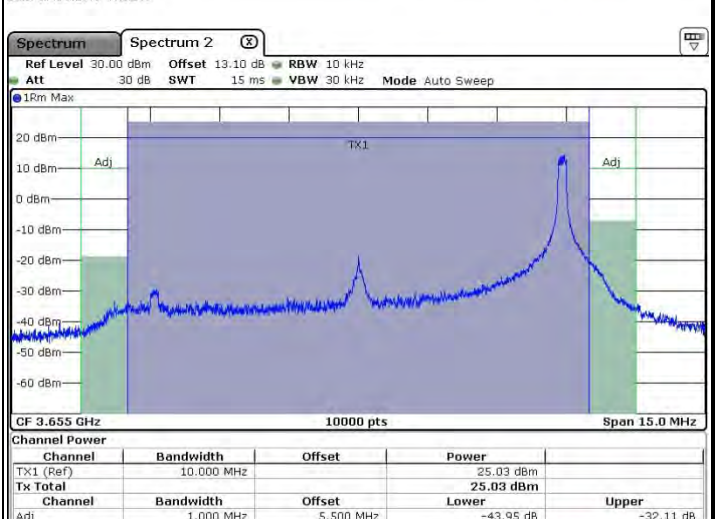
Date: 5 AUG 2015 13:52:05



Date: 5 AUG 2015 13:52:18



Date: 5 AUG 2015 14:28:44



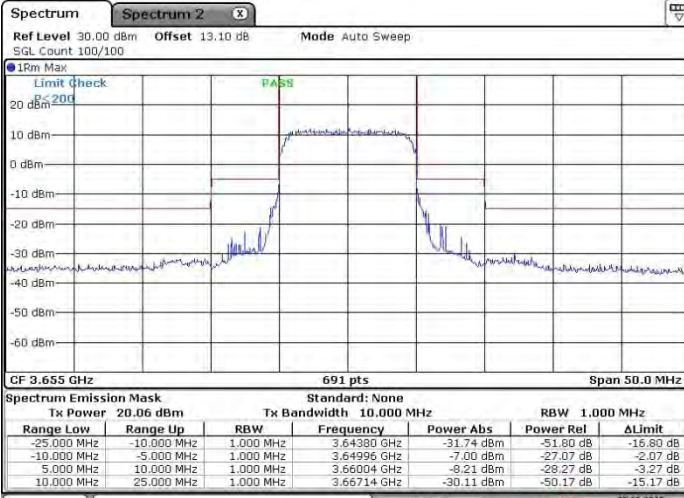
Date: 5 AUG 2015 14:22:59



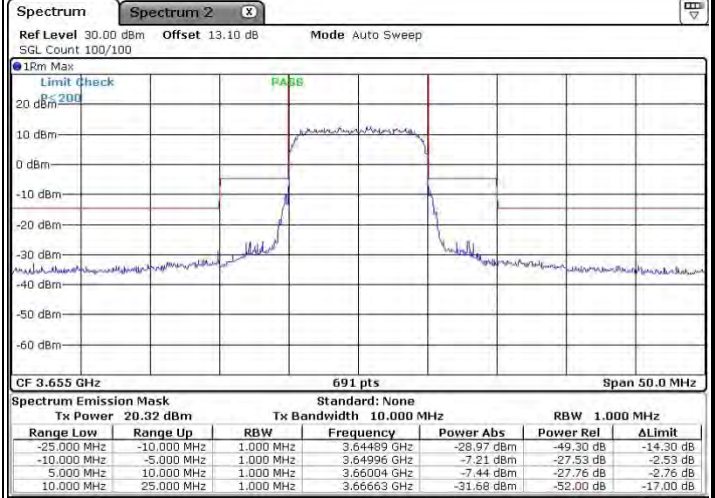
LTE Band 43 / 10MHz

Low channel / Full RB / QPSK

Low channel / Full RB / 16QAM



Date: 5 AUG.2015 13:52:46



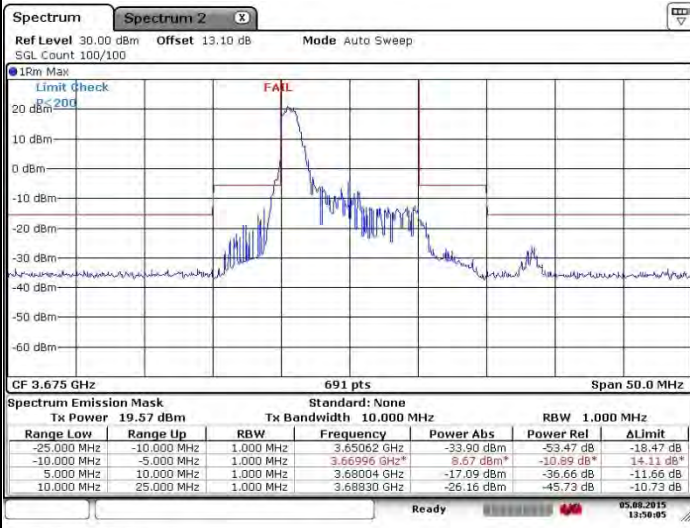
Date: 5 AUG.2015 13:52:56



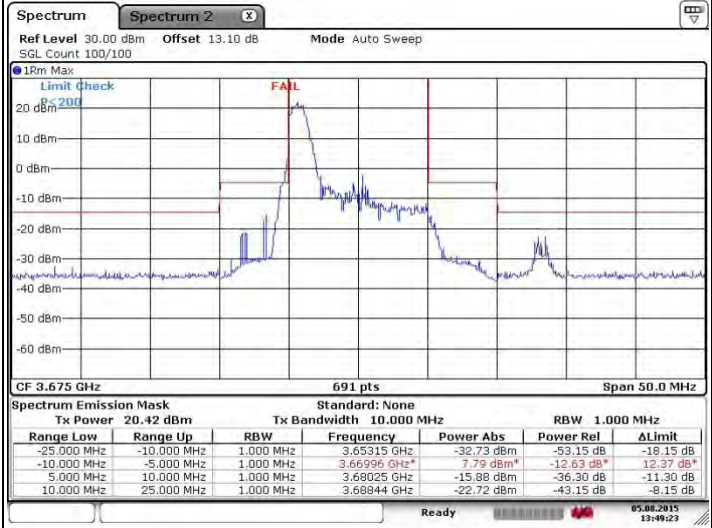
LTE Band 43 / 10MHz

Middle channel / 1 RB 0 / QPSK

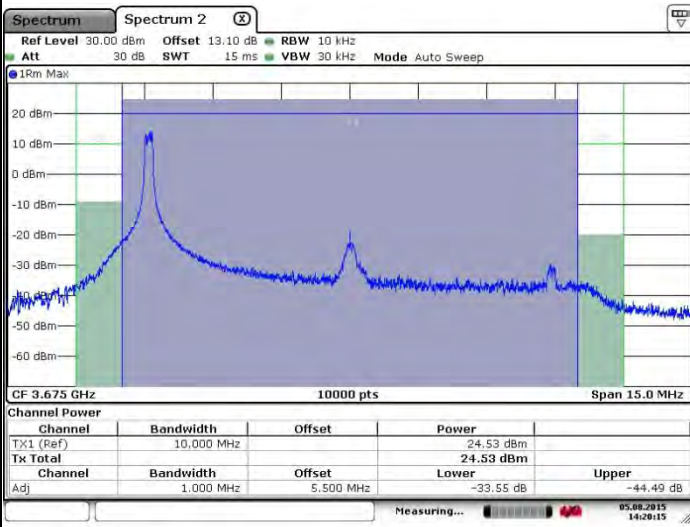
Middle channel / 1 RB 0 / 16QAM



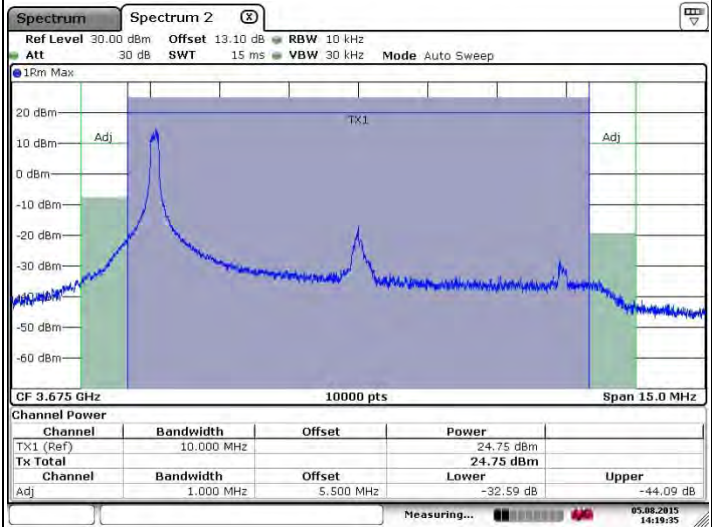
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Date: 5 AUG 2015 13:48:23



Date: 5 AUG 2015 14:20:15



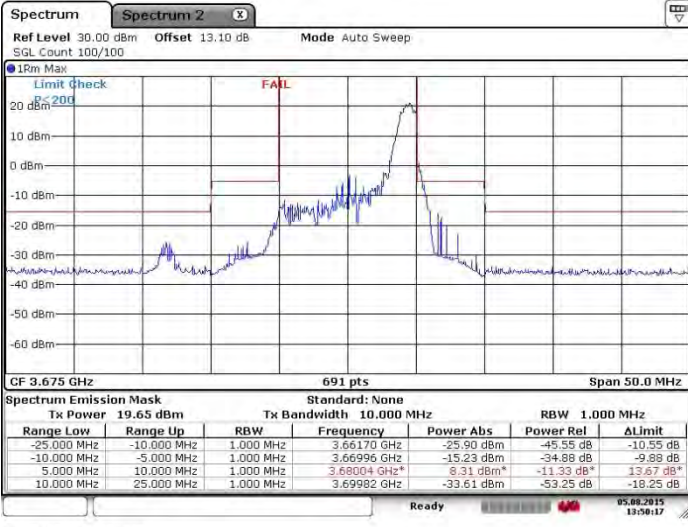
Date: 5 AUG 2015 14:19:35



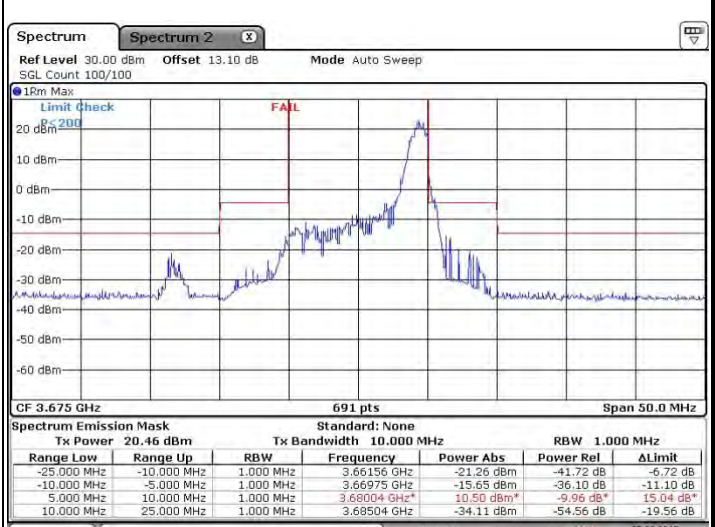
LTE Band 43 / 10MHz

Middle channel / 1 RB Max / QPSK

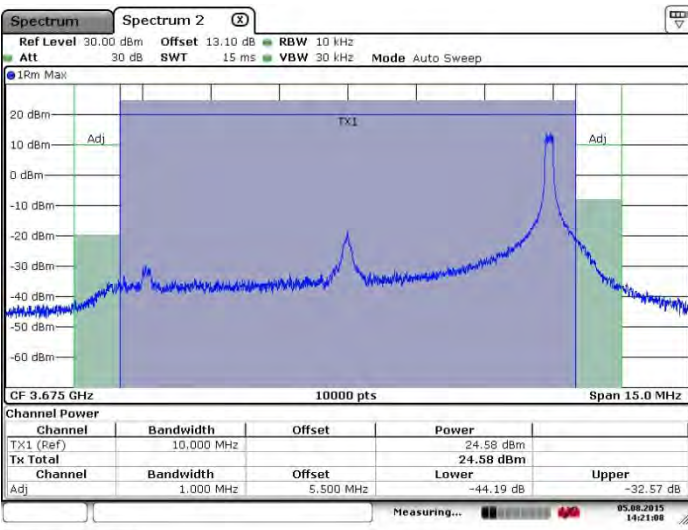
Middle channel / 1 RB Max / 16QAM



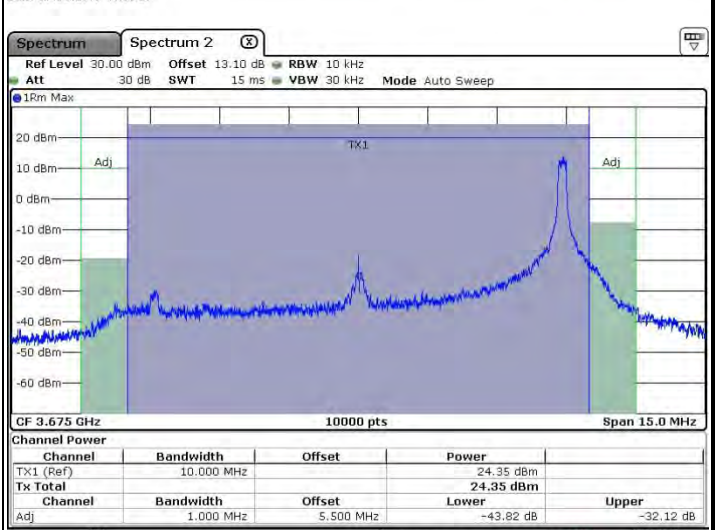
Date: 5 AUG 2015 13:50:17



Date: 5 AUG 2015 13:50:29



Date: 5 AUG 2015 14:21:09



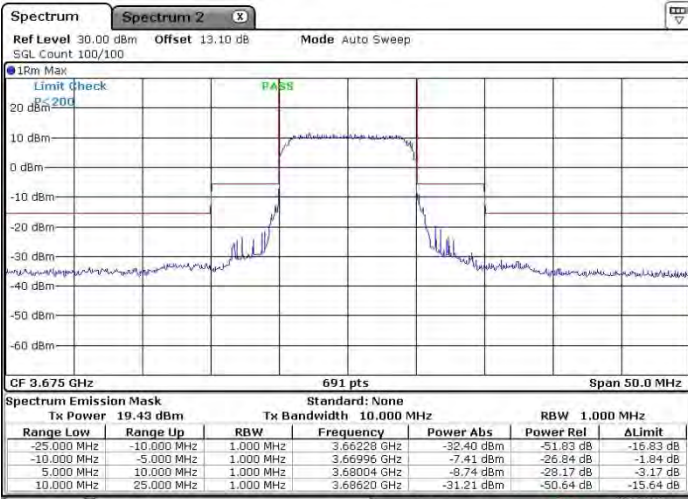
Date: 5 AUG 2015 14:21:42



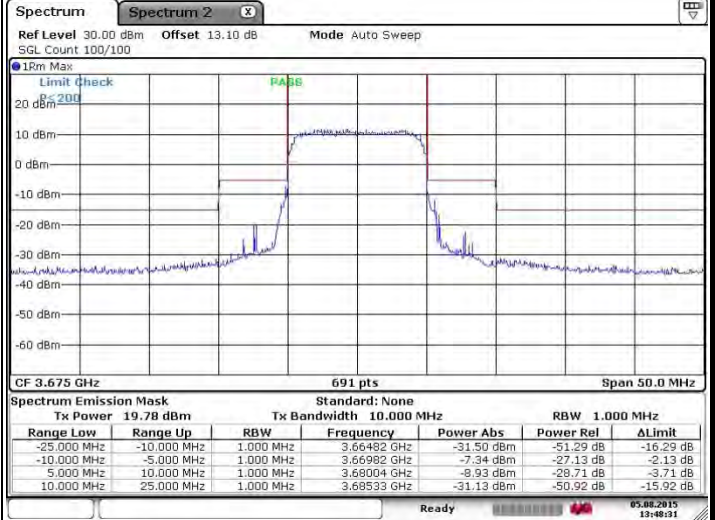
LTE Band 43 / 10MHz

Middle channel / Full RB / QPSK

Middle channel / Full RB / 16QAM



Date: 5 AUG 2015 13:47:55



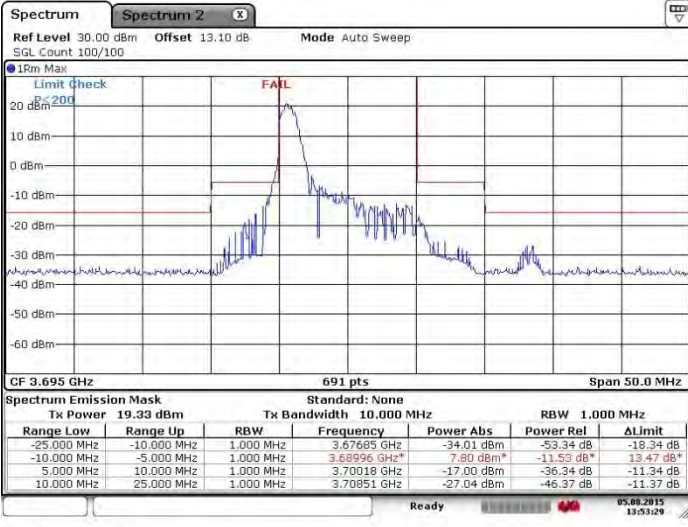
Date: 5 AUG 2015 13:48:32



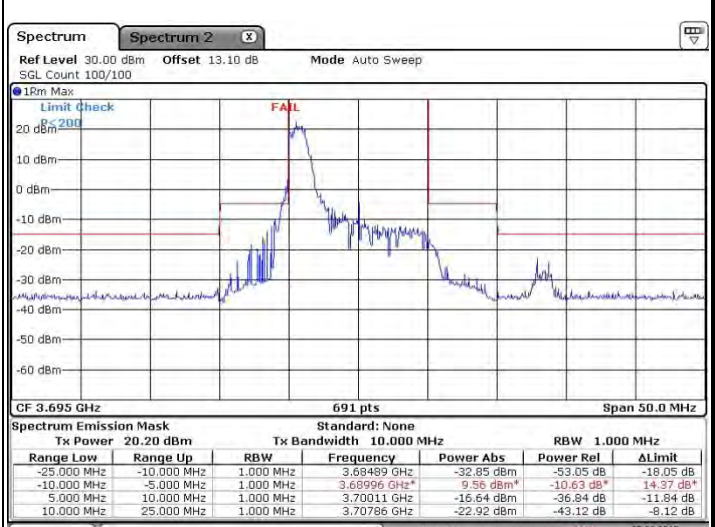
LTE Band 43 / 10MHz

High channel / 1 RB 0 / QPSK

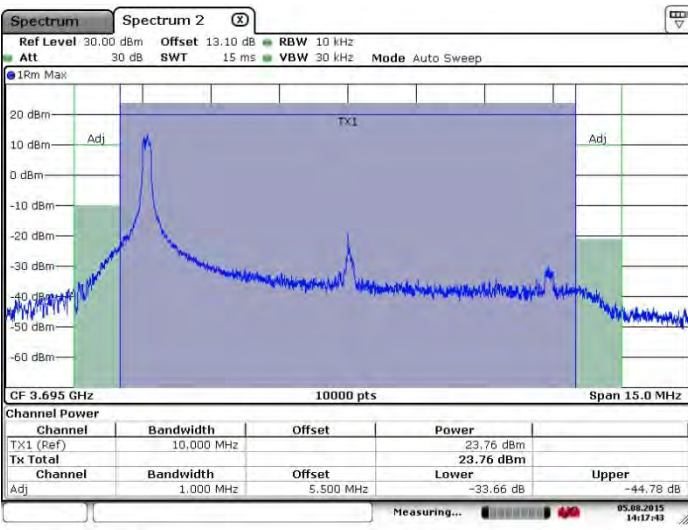
High channel / 1 RB 0 / 16QAM



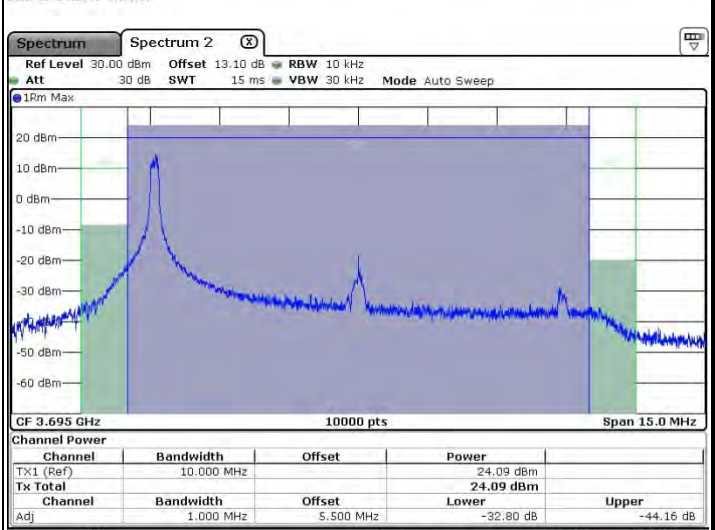
Date: 5 AUG 2015 13:53:29



Date: 5 AUG 2015 13:53:38



Date: 5 AUG 2015 14:17:43



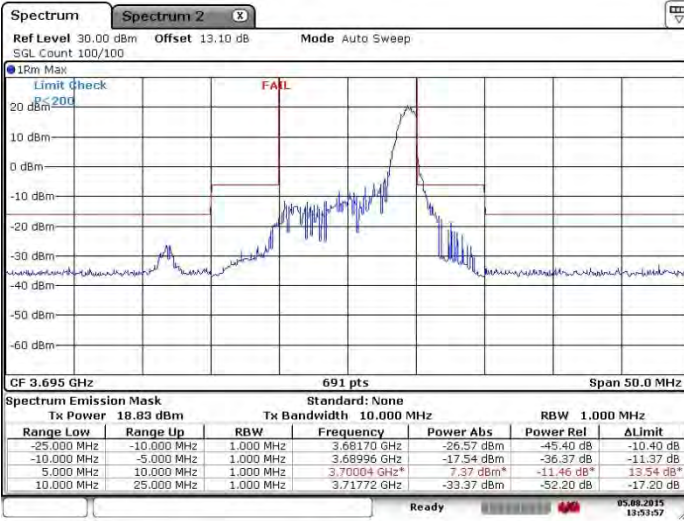
Date: 5 AUG 2015 14:17:24



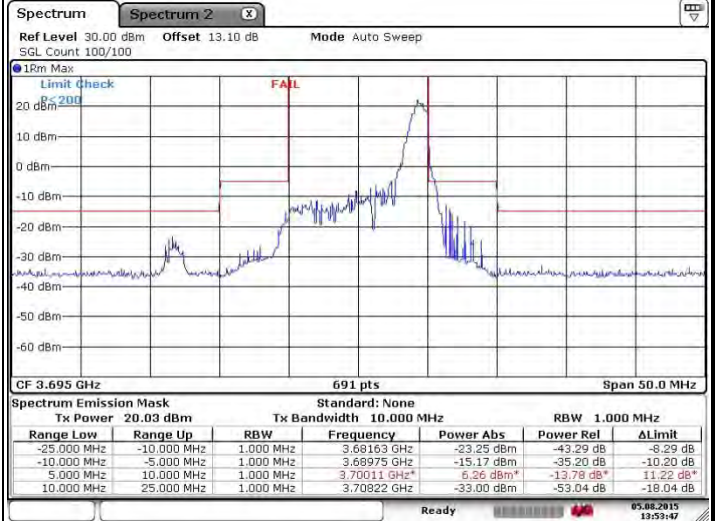
LTE Band 43 / 10MHz

High channel / 1 RB Max / QPSK

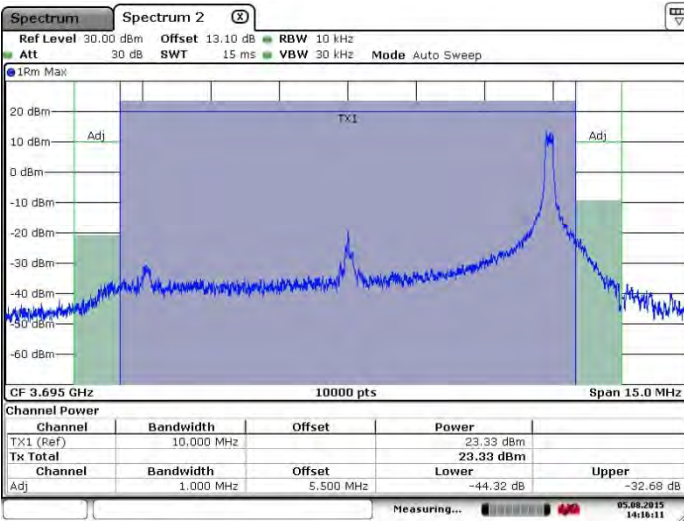
High channel / 1 RB Max / 16QAM



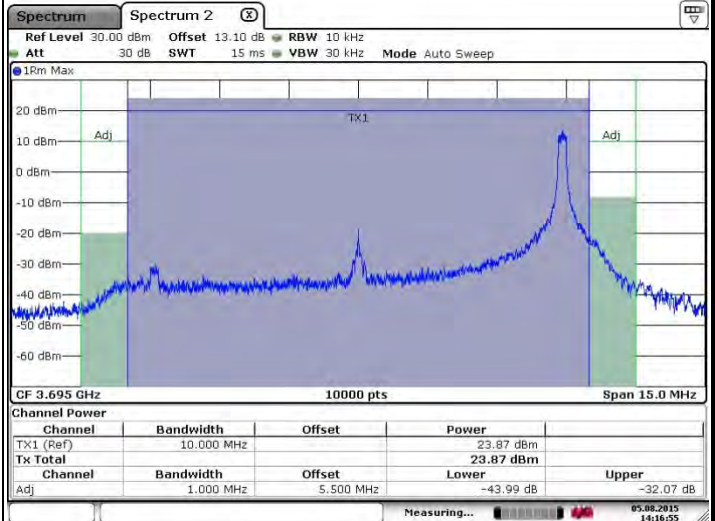
Date: 5 AUG 2015 13:53:57



Date: 5 AUG 2015 13:53:47



Date: 5 AUG 2015 14:16:12



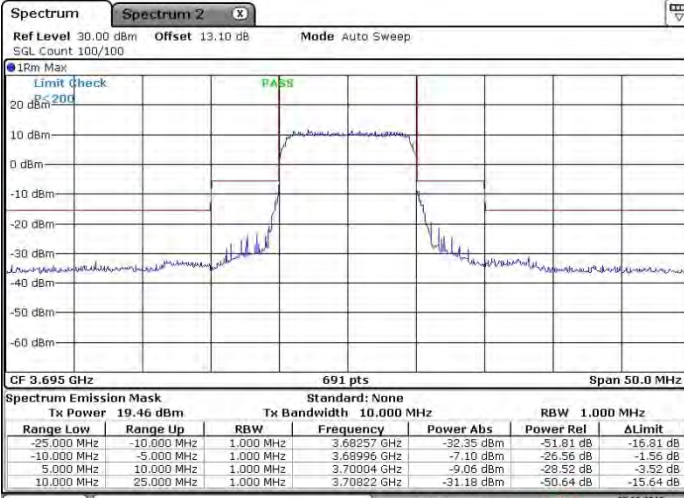
Date: 5 AUG 2015 14:16:56



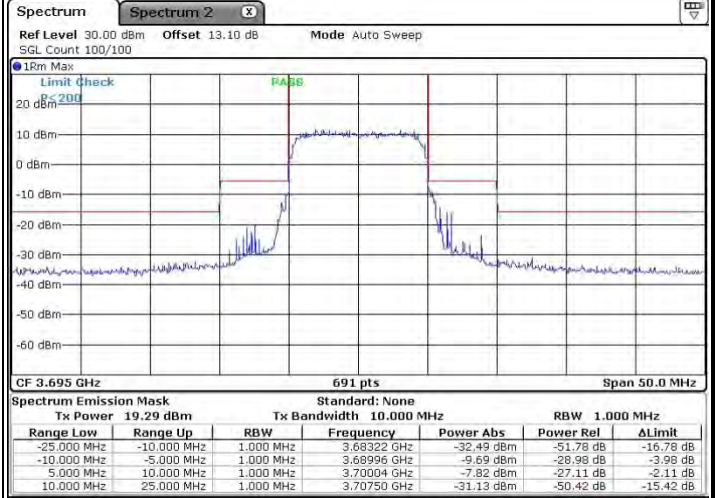
LTE Band 43 / 10MHz

High channel / Full RB / QPSK

High channel / Full RB / 16QAM



Date: 5 AUG.2015 13:53:20



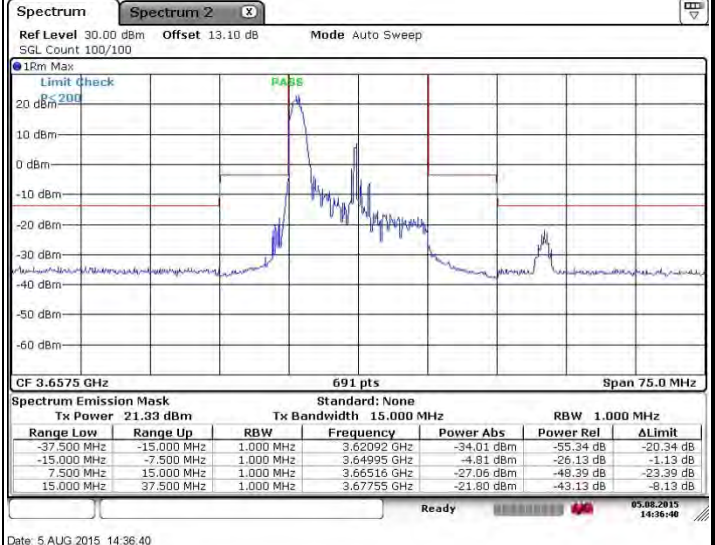
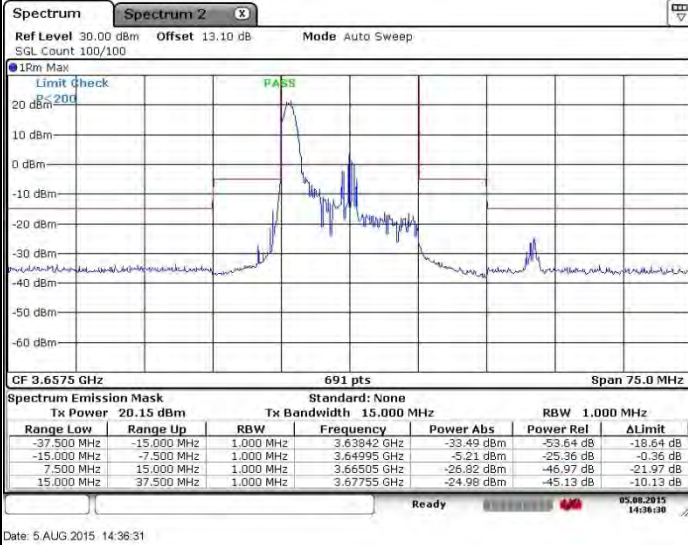
Date: 5 AUG.2015 13:53:10



LTE Band 43 / 15MHz

Low channel / 1 RB 0 / QPSK

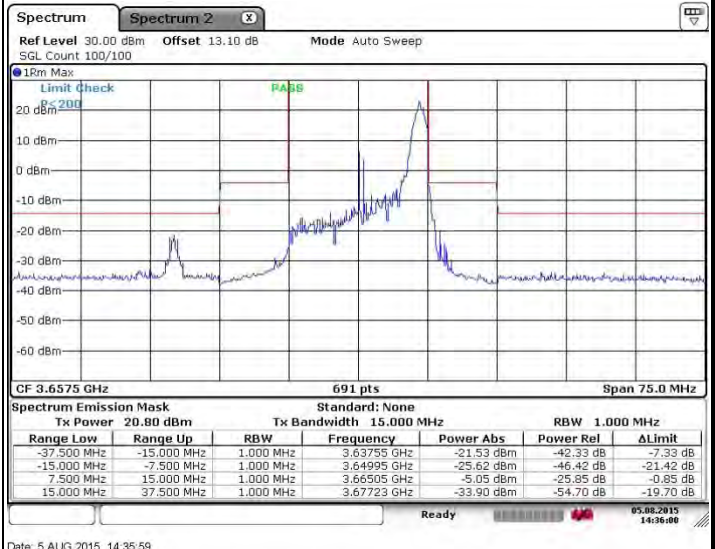
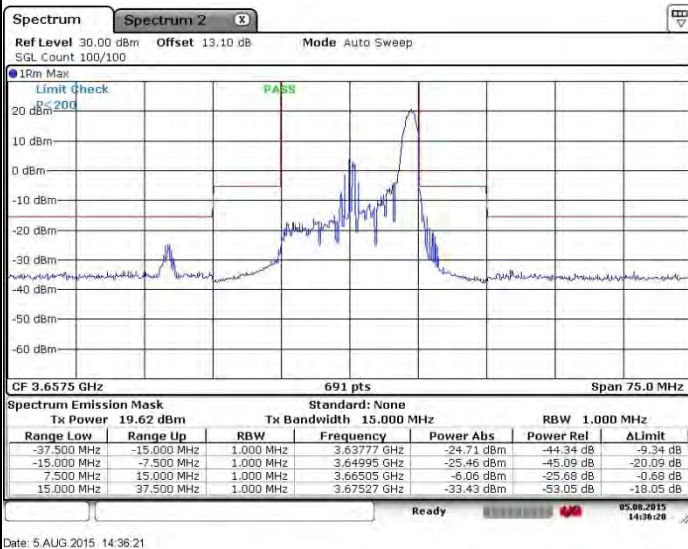
Low channel / 1 RB 0 / 16QAM



LTE Band 43 / 15MHz

Low channel / 1 RB Max / QPSK

Low channel / 1 RB Max / 16QAM

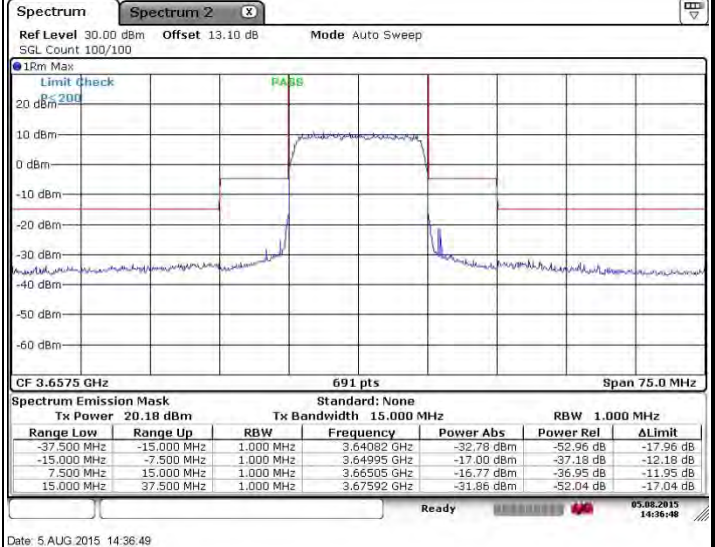
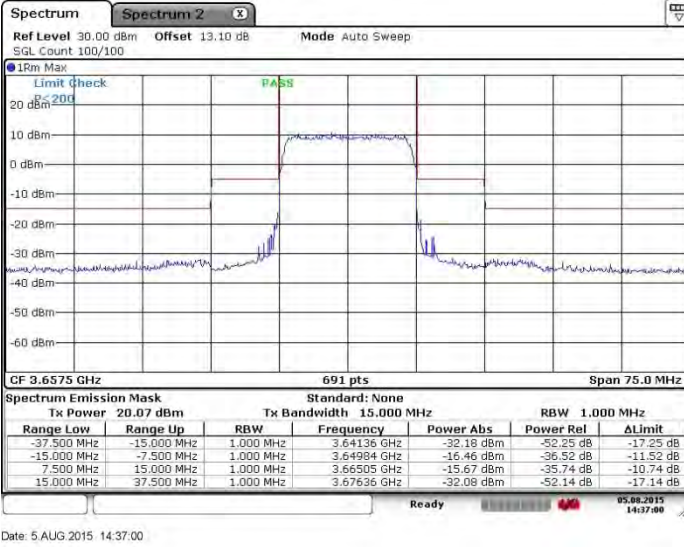




LTE Band 43 / 15MHz

Low channel / Full RB / QPSK

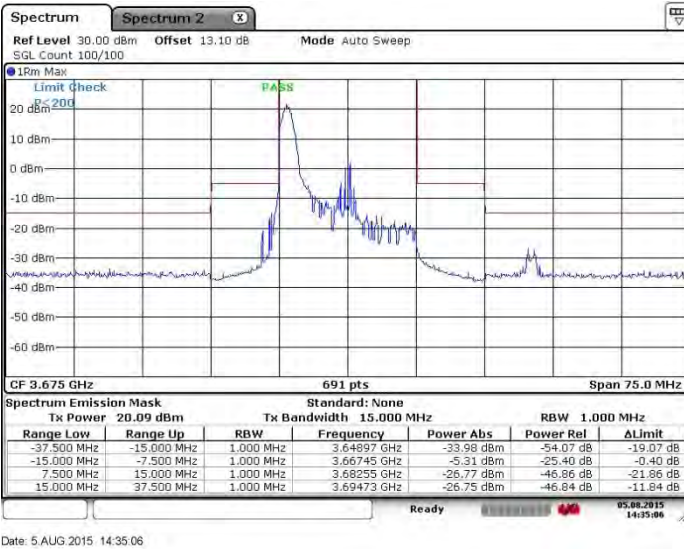
Low channel / Full RB / 16QAM



LTE Band 43 / 15MHz

Middle channel / 1 RB 0 / QPSK

Middle channel / 1 RB 0 / 16QAM

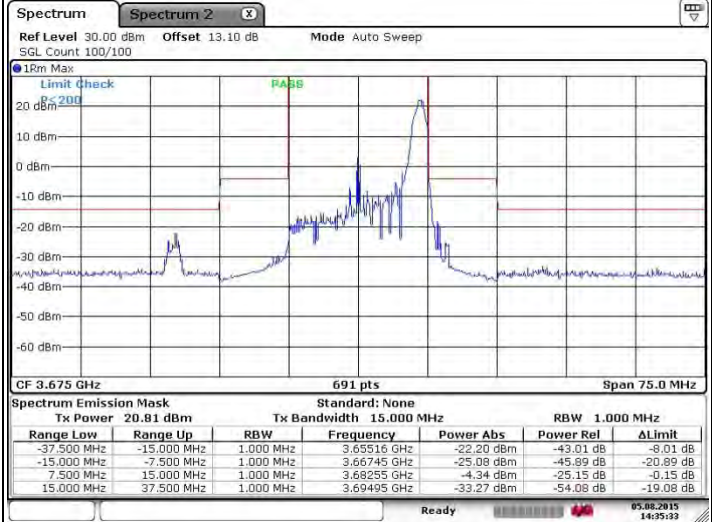
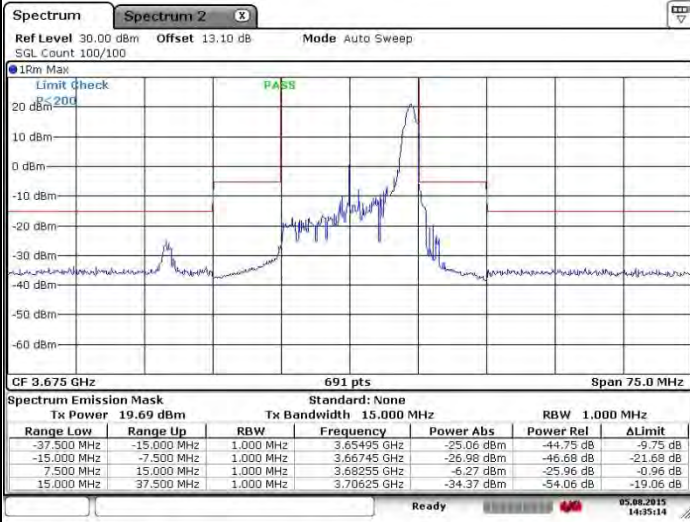




LTE Band 43 / 15MHz

Middle channel / 1 RB Max / QPSK

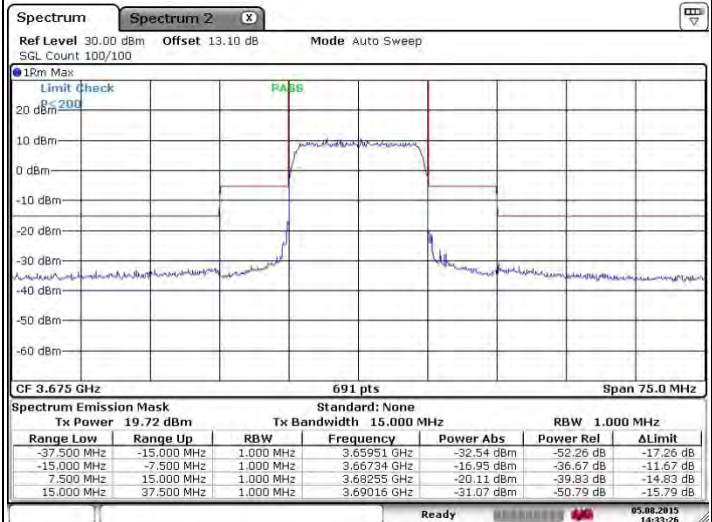
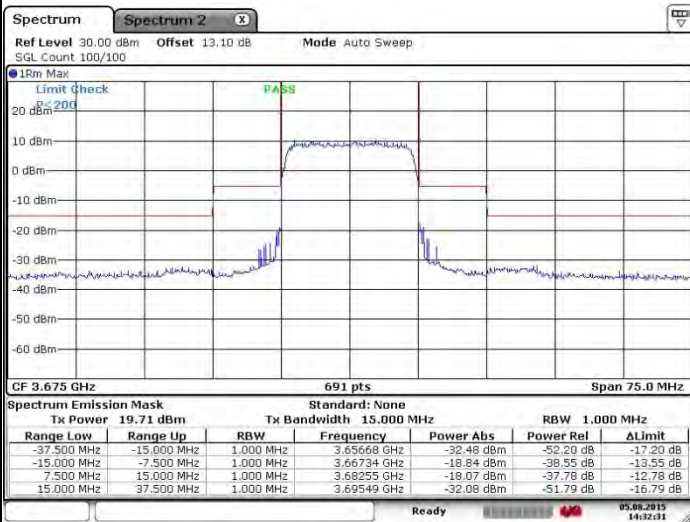
Middle channel / 1 RB Max / 16QAM



LTE Band 43 / 15MHz

Middle channel / Full RB / QPSK

Middle channel / Full RB / 16QAM

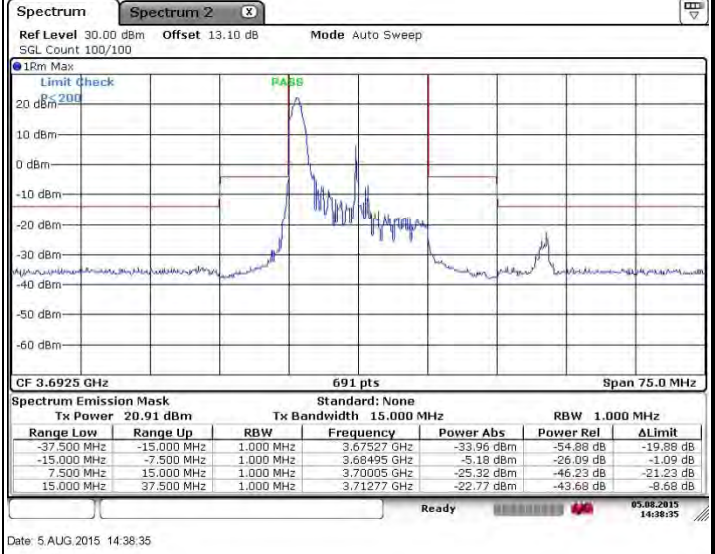
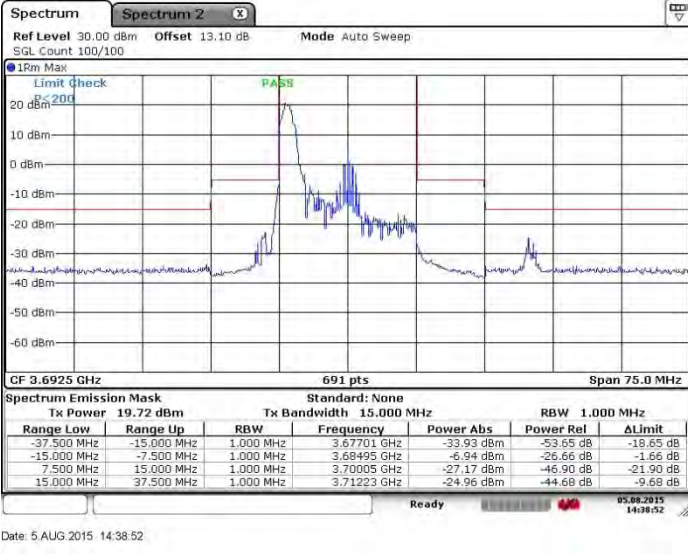




LTE Band 43 / 15MHz

High channel / 1 RB 0 / QPSK

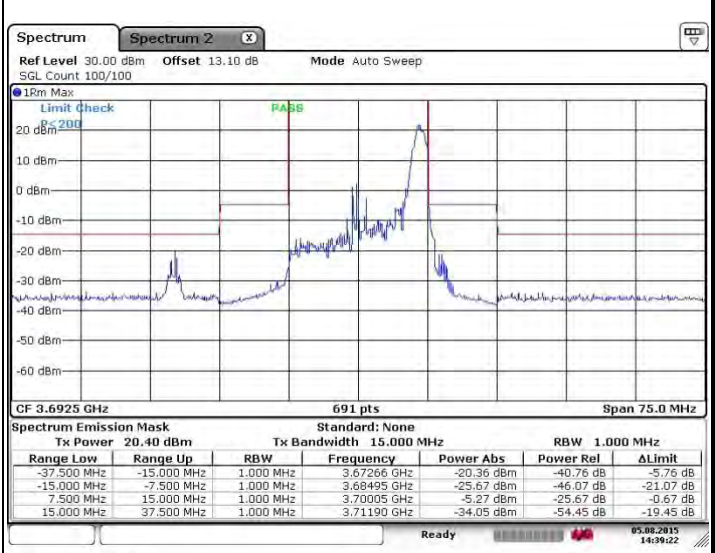
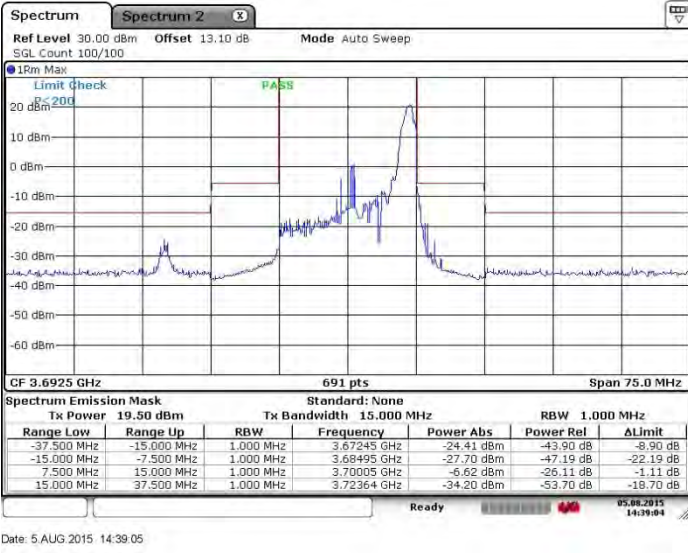
High channel / 1 RB 0 / 16QAM



LTE Band 43 / 15MHz

High channel / 1 RB Max / QPSK

High channel / 1 RB Max / 16QAM

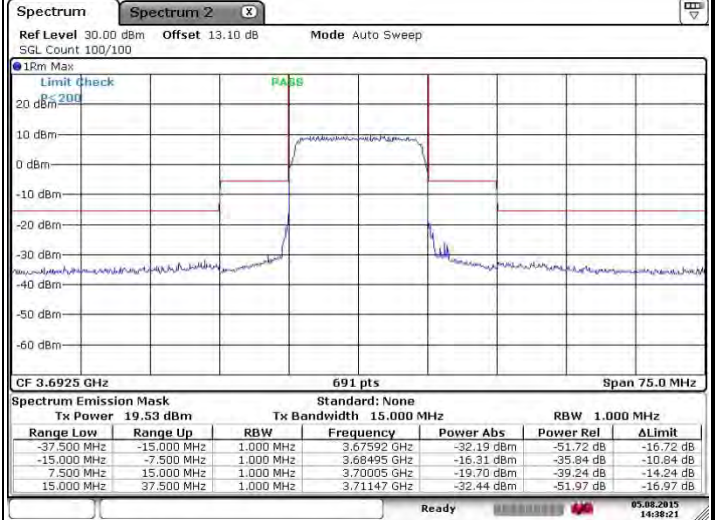
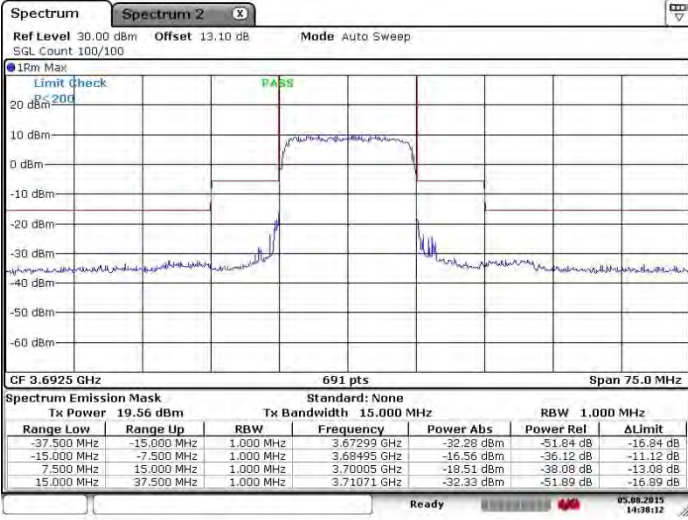




LTE Band 43 / 15MHz

High channel / Full RB / QPSK

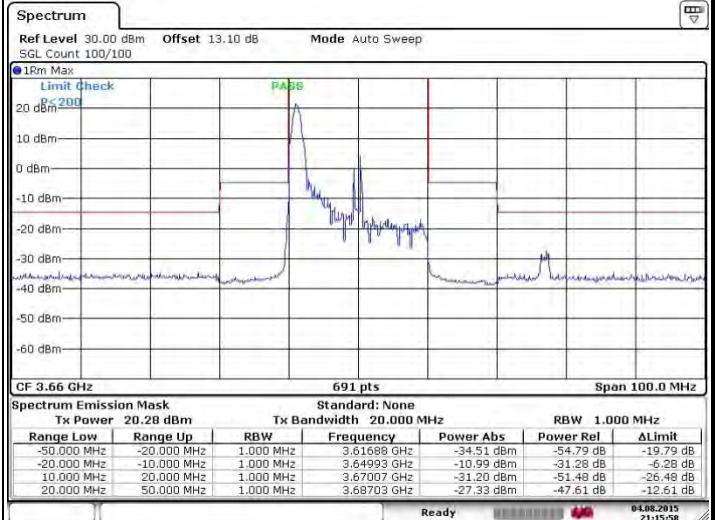
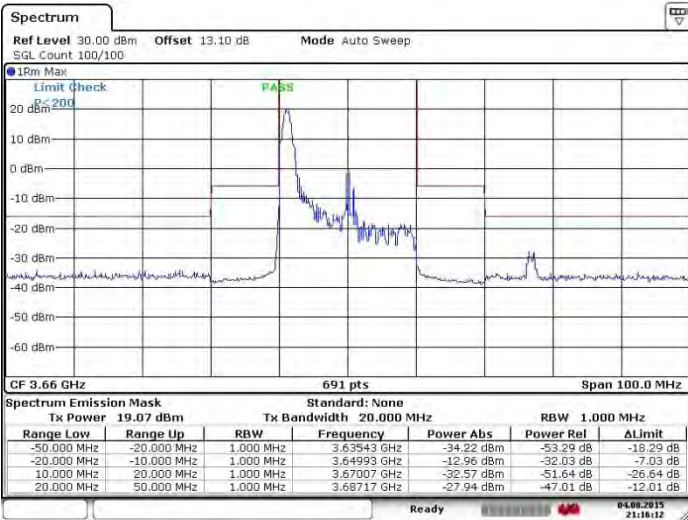
High channel / Full RB / 16QAM



LTE Band 43 / 20MHz

Low channel / 1 RB 0 / QPSK

Low channel / 1 RB 0 / 16QAM

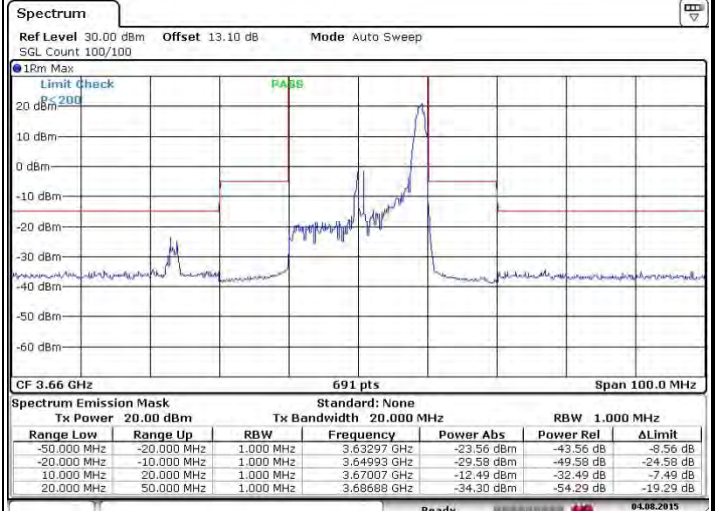
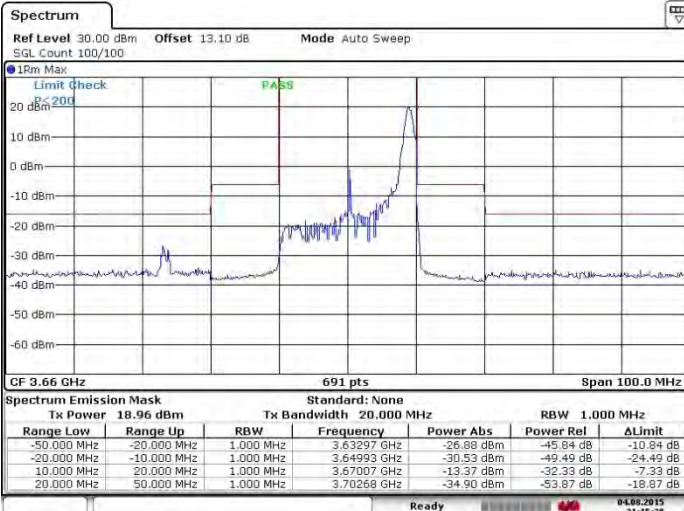




LTE Band 43 / 20MHz

Low channel / 1 RB Max / QPSK

Low channel / 1 RB Max / 16QAM



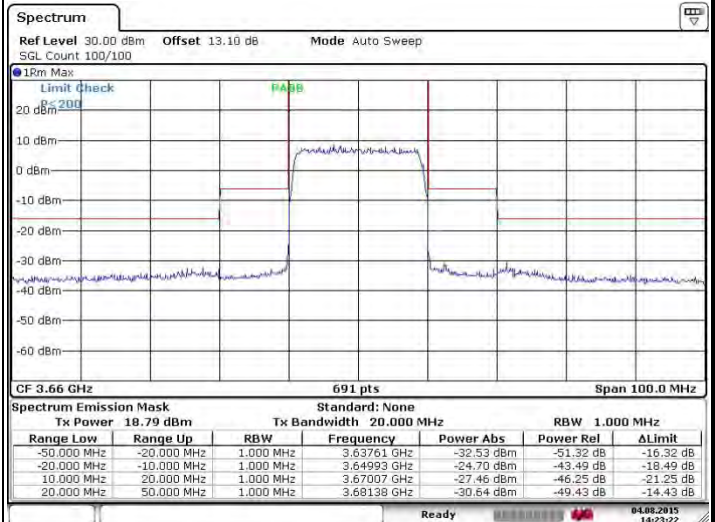
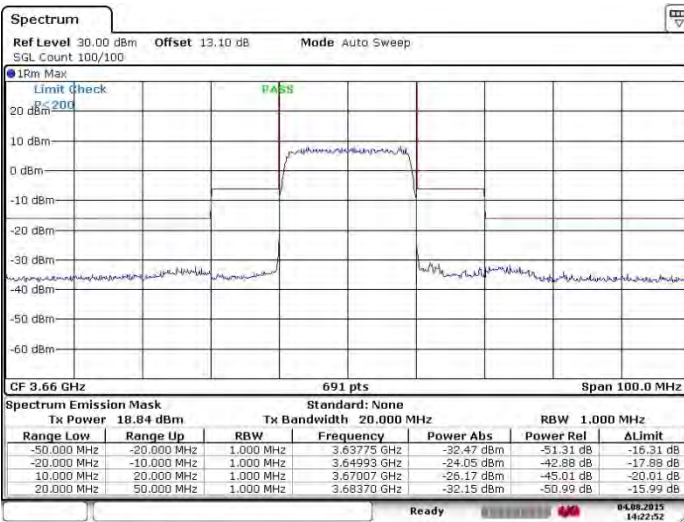
Date: 4 AUG.2015 21:15:28

Date: 4 AUG.2015 21:15:40

LTE Band 43 / 20MHz

Low channel / Full RB / QPSK

Low channel / Full RB / 16QAM



Date: 4 AUG.2015 14:22:52

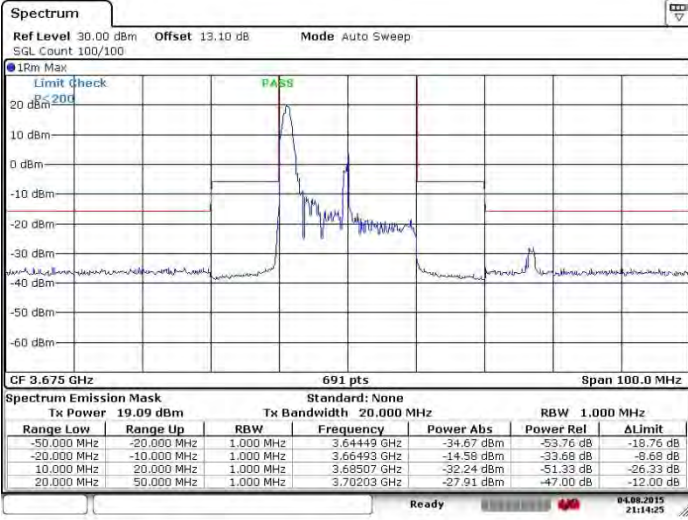
Date: 4 AUG.2015 14:23:23



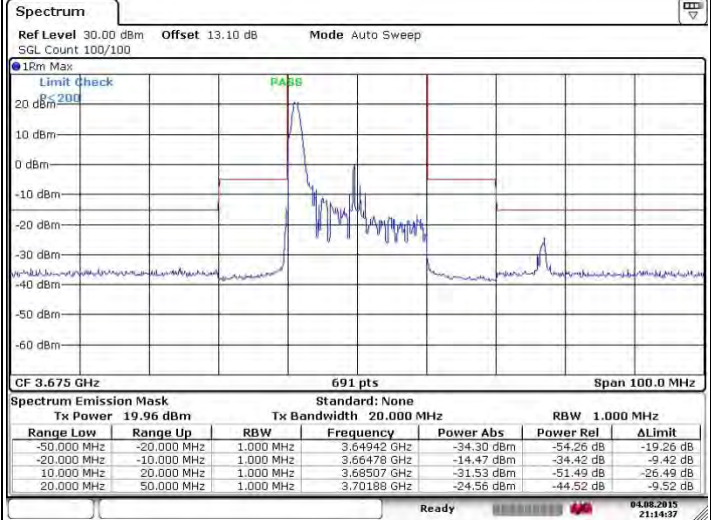
LTE Band 43 / 20MHz

Middle channel / 1 RB 0 / QPSK

Middle channel / 1 RB 0 / 16QAM



Date: 4 AUG.2015 21:14:25

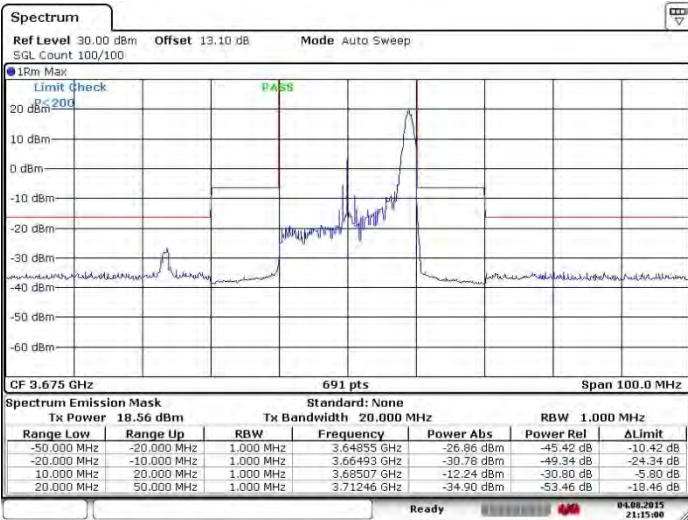


Date: 4 AUG.2015 21:14:37

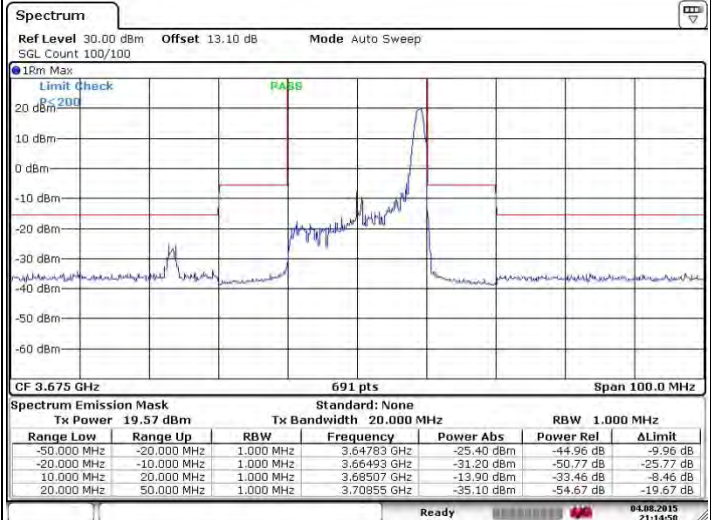
LTE Band 43 / 20MHz

Middle channel / 1 RB Max / QPSK

Middle channel / 1 RB Max / 16QAM



Date: 4 AUG.2015 21:15:01



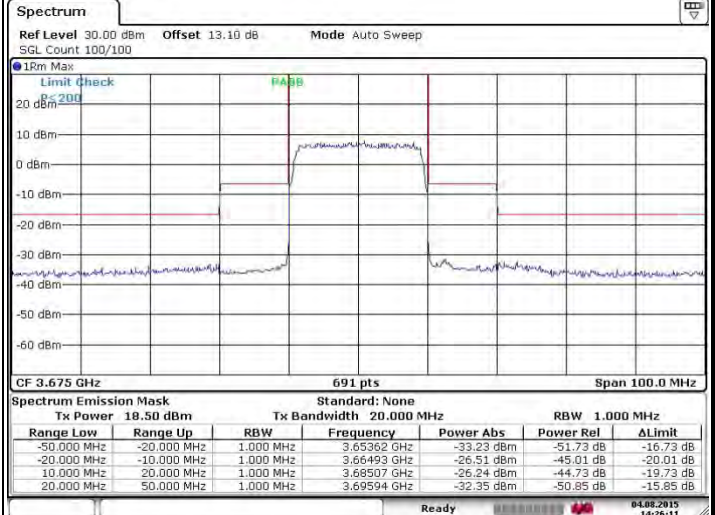
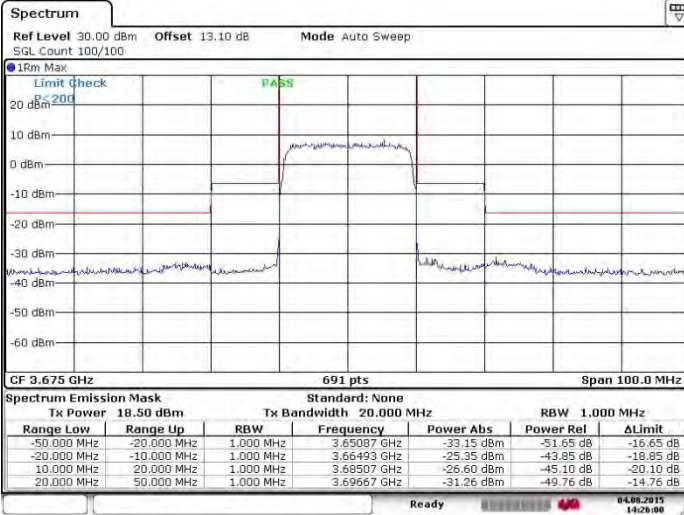
Date: 4 AUG.2015 21:14:50



LTE Band 43 / 20MHz

Middle channel / Full RB / QPSK

Middle channel / Full RB / 16QAM



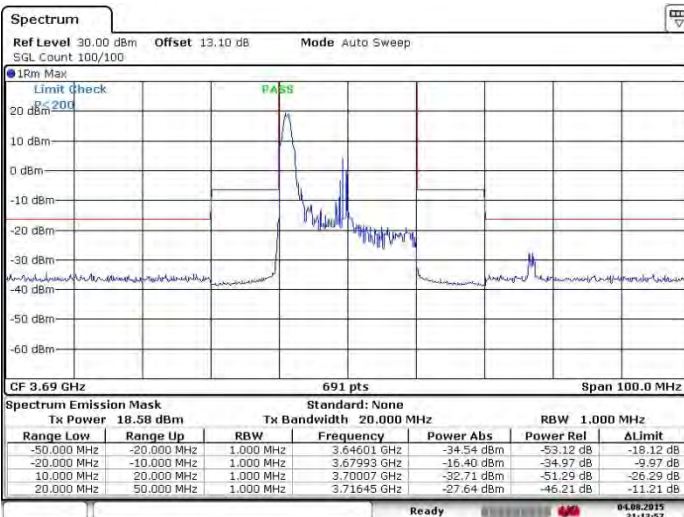
Date: 4 AUG.2015 14:26:01

Date: 4 AUG.2015 14:26:11

LTE Band 43 / 20MHz

High channel / 1 RB 0 / QPSK

High channel / 1 RB 0 / 16QAM



Date: 4 AUG.2015 21:13:58

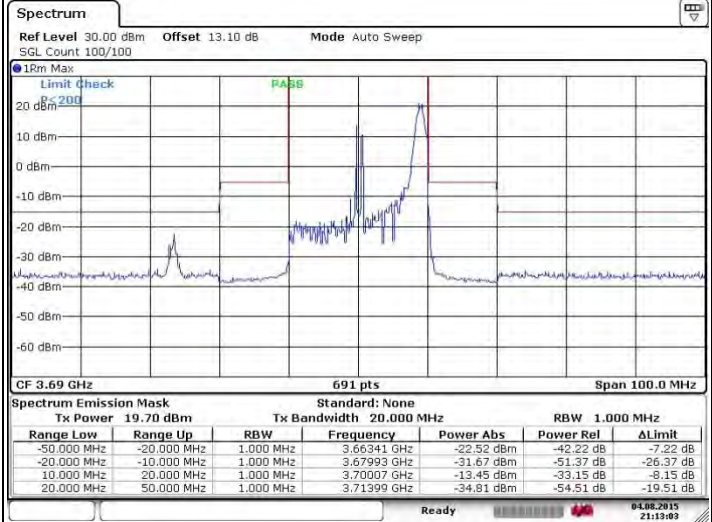
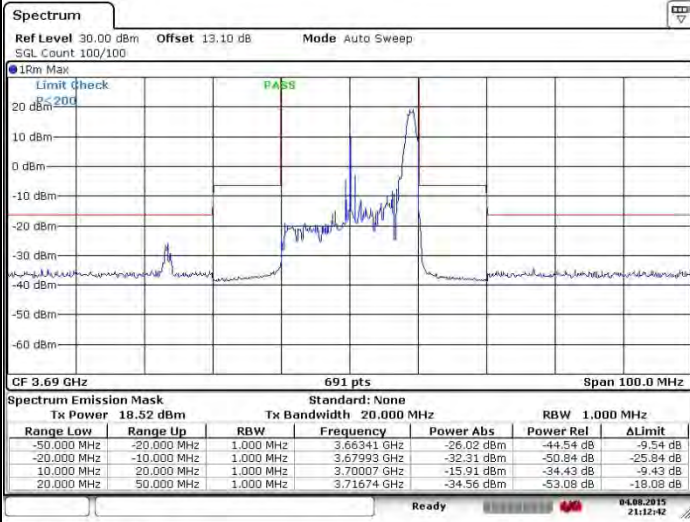
Date: 4 AUG.2015 21:13:13



LTE Band 43 / 20MHz

High channel / 1 RB Max / QPSK

High channel / 1 RB Max / 16QAM



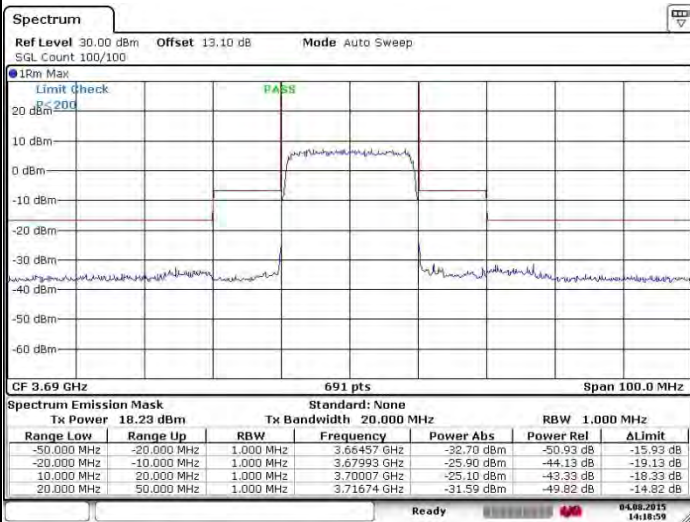
Date: 4 AUG.2015 21:12:43

Date: 4 AUG.2015 21:13:03

LTE Band 43 / 20MHz

High channel / Full RB / QPSK

High channel / Full RB / 16QAM



Date: 4 AUG.2015 14:18:58

Date: 4 AUG.2015 14:19:39



Power Density

Mode	LTE Band 43 : Peak Conducted Power Density (dBm/MHz)												
BW	1.4MHz				3MHz				5MHz				
Mod.	1 RB	1 RB	Full RB	Full RB	1 RB	1 RB	Full RB	Full RB	1 RB	1 RB	Full RB	Full RB	
	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	
Lowest CH	-	-	-	-	-	-	-	-	-	17.57	17.44	12.26	11.99
Middle CH	-	-	-	-	-	-	-	-	-	16.81	15.96	11.28	11.48
Highest CH	-	-	-	-	-	-	-	-	-	16.94	16.46	11.02	10.35

Mode	LTE Band 43 : Peak Conducted Power Density (dBm/MHz)											
BW	10MHz				15MHz				20MHz			
Mod.	1 RB	1 RB	Full RB	Full RB	1 RB	1 RB	Full RB	Full RB	1 RB	1 RB	Full RB	Full RB
	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	17.37	16.87	9.32	9.49	16.72	16.55	7.59	6.93	16.91	17.24	6.51	6.38
Middle CH	16.93	17.48	9.05	9.28	17.32	16.57	7.05	6.23	17.12	16.95	6.06	5.63
Highest CH	16.90	16.56	9.82	8.67	17.01	16.73	6.50	6.70	17.19	16.34	4.65	6.83



Mode	LTE Band 43 : Peak Conducted Power Density (dBm/MHz)												
BW	1.4MHz				3MHz				5MHz				
Mod.	1 RB	1 RB	Full RB	Full RB	1 RB	1 RB	Full RB	Full RB	1 RB	1 RB	Full RB	Full RB	
	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	
Lowest CH	-	-	-	-	-	-	-	-	-	29.57	29.44	24.26	23.99
Middle CH	-	-	-	-	-	-	-	-	-	28.81	27.96	23.28	23.48
Highest CH	-	-	-	-	-	-	-	-	-	28.94	28.46	23.02	22.35
Antenna Gain	12.00 dBi												
Limit	1W / MHz = 30dBm / MHz												
Result	Pass												

Mode	LTE Band 43 : Peak Conducted Power Density (dBm/MHz)											
BW	10MHz				15MHz				20MHz			
Mod.	1 RB	1 RB	Full RB	Full RB	1 RB	1 RB	Full RB	Full RB	1 RB	1 RB	Full RB	Full RB
	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	29.37	28.87	21.32	21.49	28.72	28.55	19.59	18.93	28.91	29.24	18.51	18.38
Middle CH	28.93	29.48	21.05	21.28	29.32	28.57	19.05	18.23	29.12	28.95	18.06	17.63
Highest CH	28.90	28.56	21.82	20.67	29.01	28.73	18.50	18.70	29.19	28.34	16.65	18.83
Antenna Gain	12.00 dBi											
Limit	1W / MHz = 30dBm / MHz											
Result	Pass											

Peak EIRP Density (dBm/MHz) = Peak Conducted Power Density (dBm/MHz) + Antenna Gain



LTE Band 43 / 5MHz

Low channel / 1 RB / QPSK



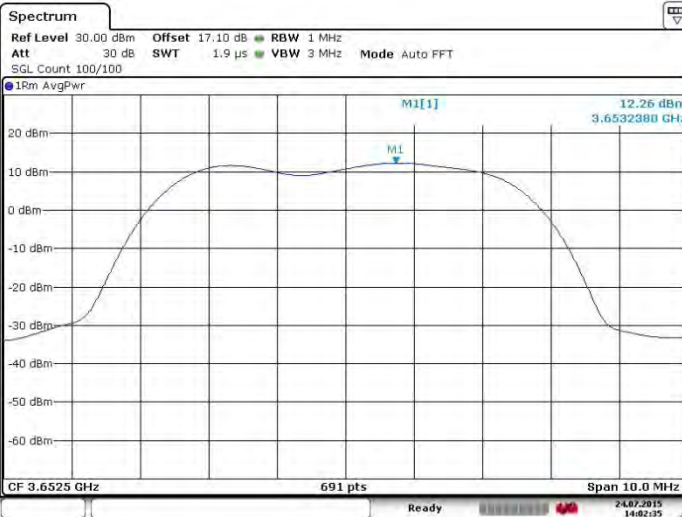
Date: 24 JUL 2015 14:02:49

Low channel / 1 RB / 16QAM



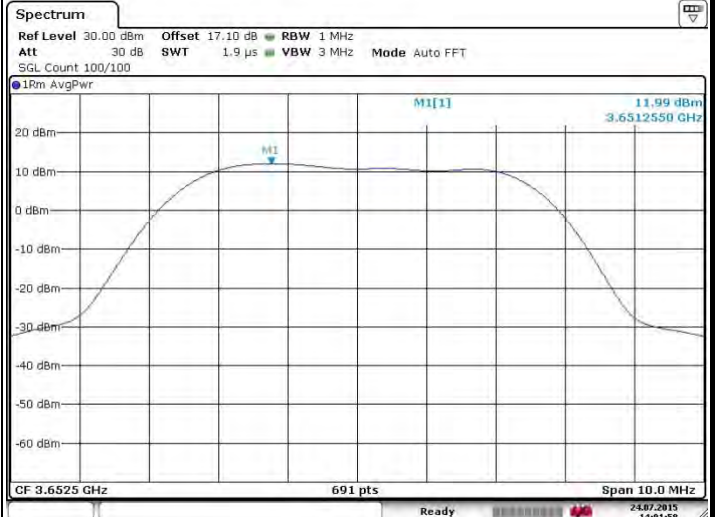
Date: 24 JUL 2015 14:03:09

Low channel / Full RB / QPSK



Date: 24 JUL 2015 14:02:36

Low channel / Full RB / 16QAM



Date: 24 JUL 2015 14:01:58



LTE Band 43 / 5MHz

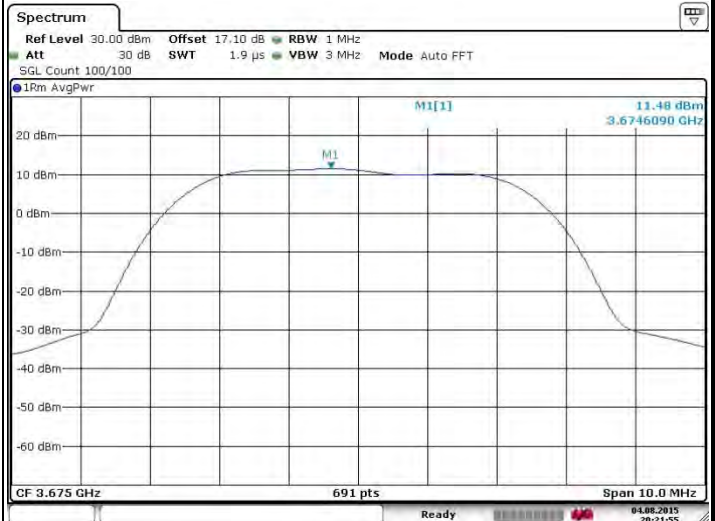
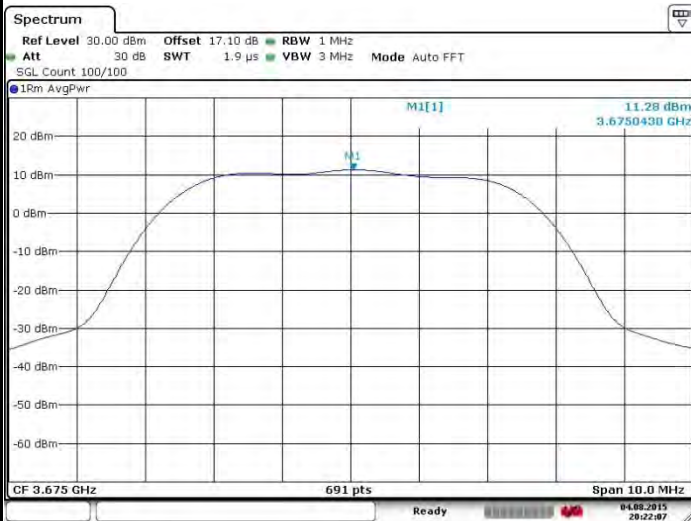
Middle channel / 1 RB / QPSK

Middle channel / 1 RB / 16QAM



Middle channel / Full RB / QPSK

Middle channel / Full RB / 16QAM





LTE Band 43 / 5MHz

High channel / 1 RB / QPSK

High channel / 1 RB / 16QAM

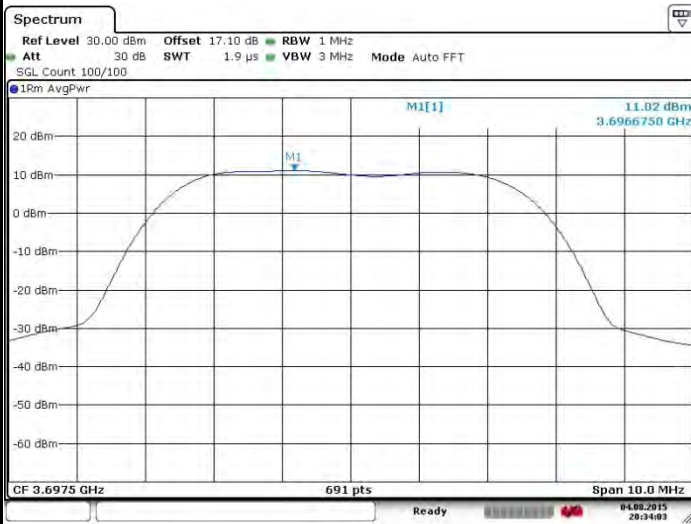


Date: 4 AUG 2015 20:33:17

Date: 4 AUG 2015 20:33:36

High channel / Full RB / QPSK

High channel / Full RB / 16QAM



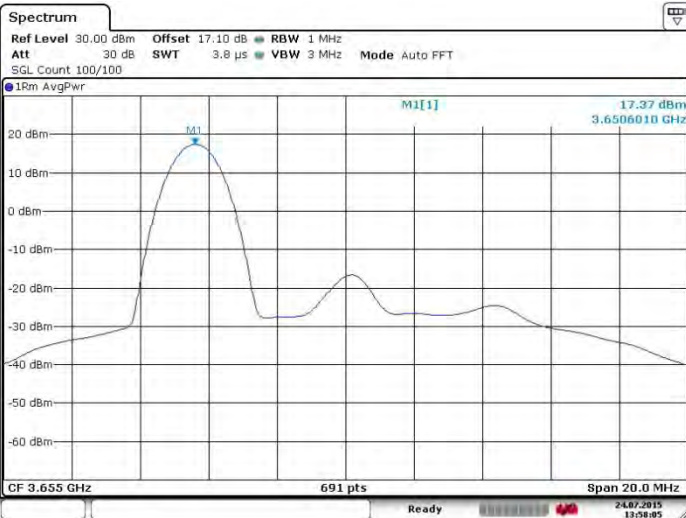
Date: 4 AUG 2015 20:34:03

Date: 4 AUG 2015 20:33:50



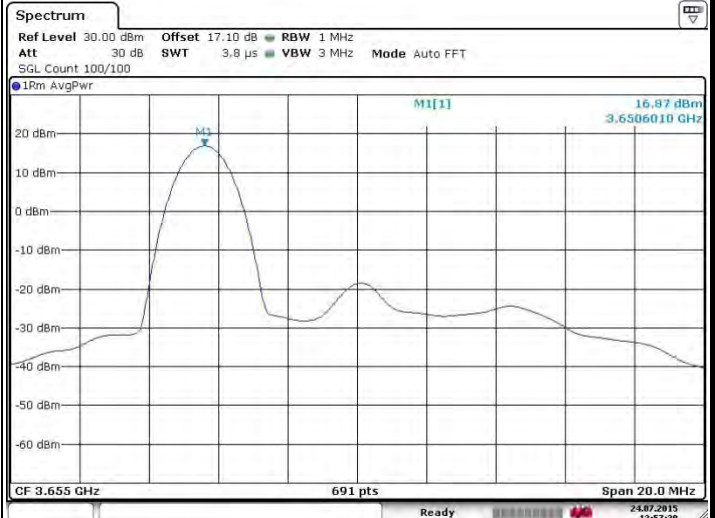
LTE Band 43 / 10MHz

Low channel / 1 RB / QPSK



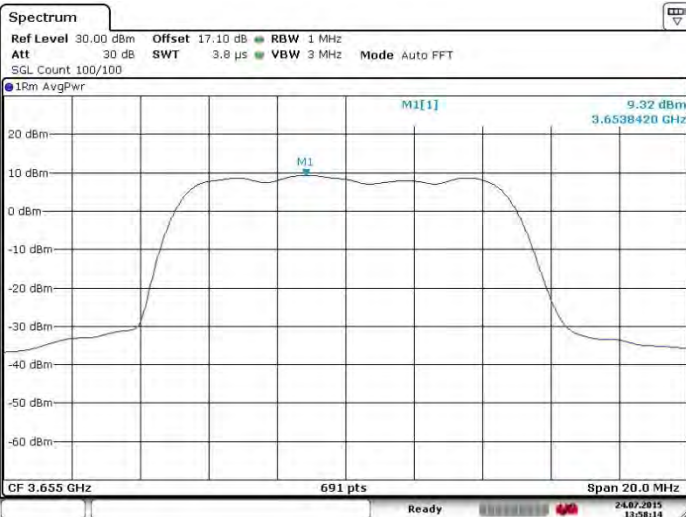
Date: 24 JUL 2015 13:58:05

Low channel / 1 RB / 16QAM



Date: 24 JUL 2015 13:57:39

Low channel / Full RB / QPSK



Date: 24 JUL 2015 13:58:14

Low channel / Full RB / 16QAM



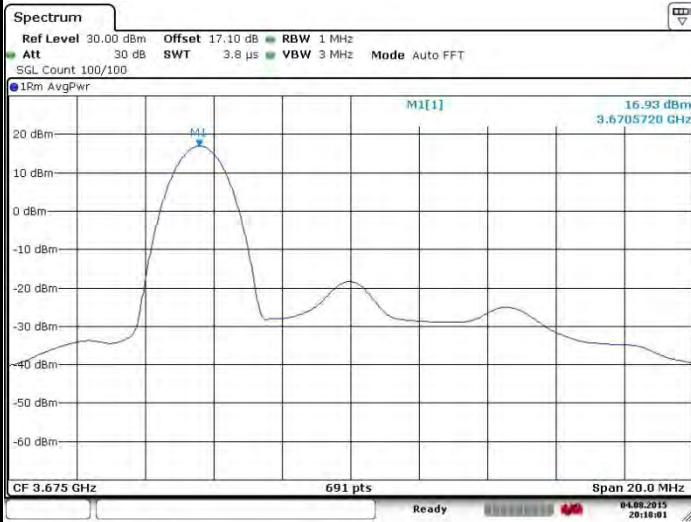
Date: 24 JUL 2015 13:58:32



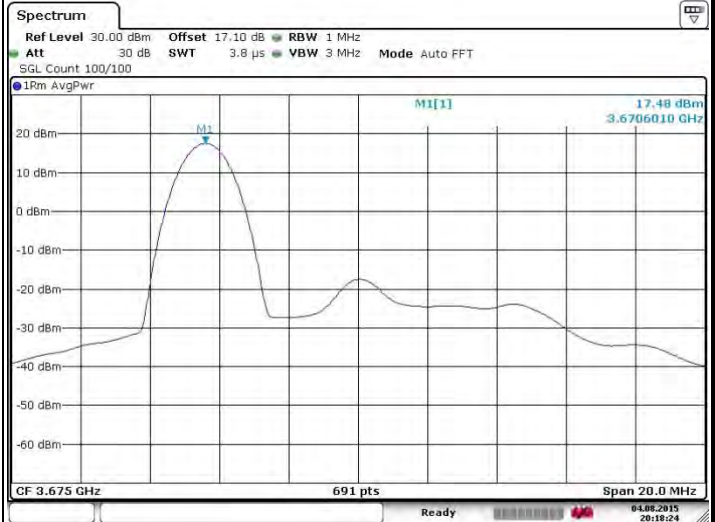
LTE Band 43 / 10MHz

Middle channel / 1 RB / QPSK

Middle channel / 1 RB / 16QAM



Date: 4 AUG 2015 20:18:02



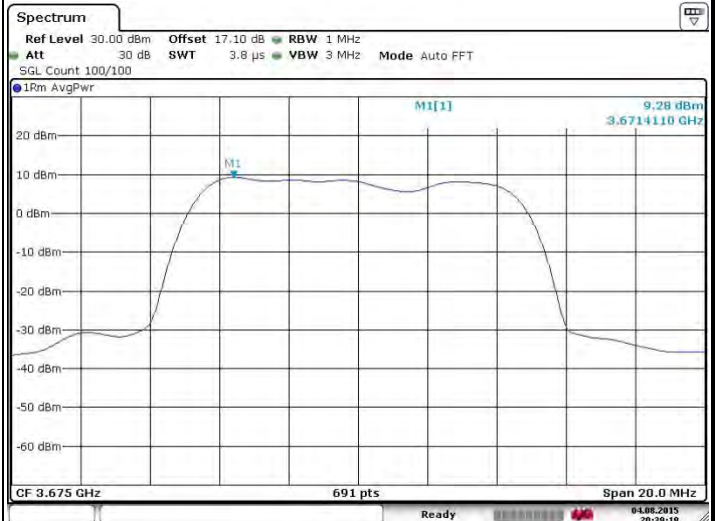
Date: 4 AUG 2015 20:18:24

Middle channel / Full RB / QPSK

Middle channel / Full RB / 16QAM



Date: 4 AUG 2015 20:38:57



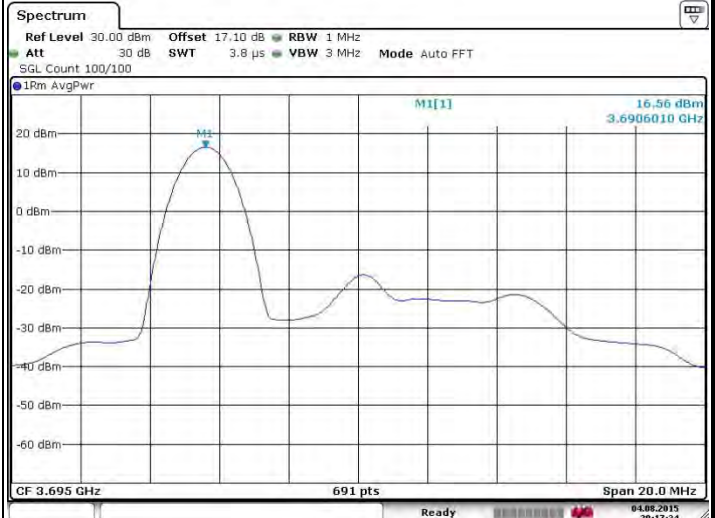
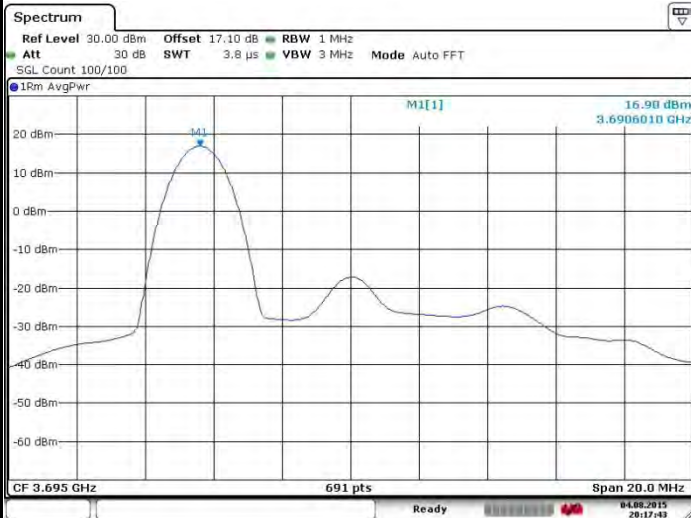
Date: 4 AUG 2015 20:39:19



LTE Band 43 / 10MHz

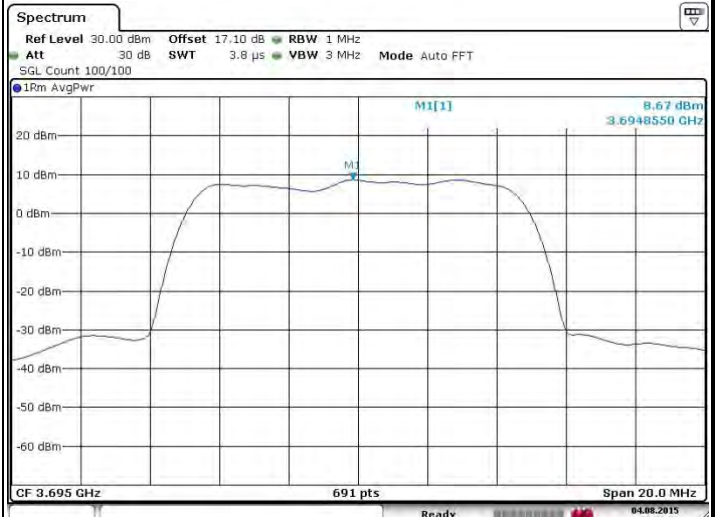
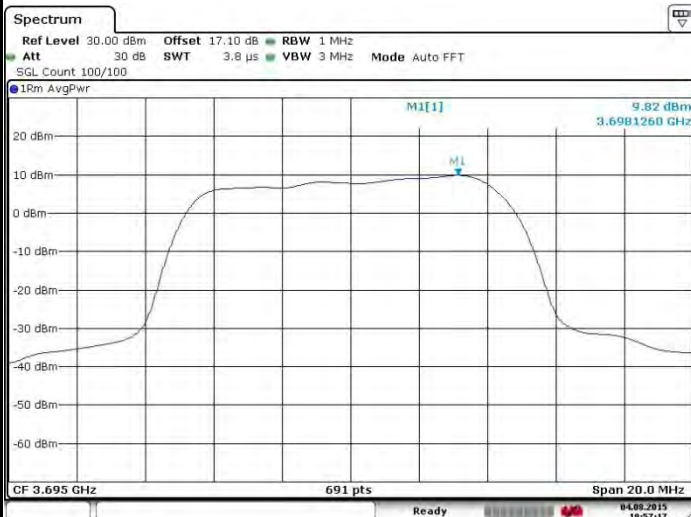
High channel / 1 RB / QPSK

High channel / 1 RB / 16QAM



High channel / Full RB / QPSK

High channel / Full RB / 16QAM





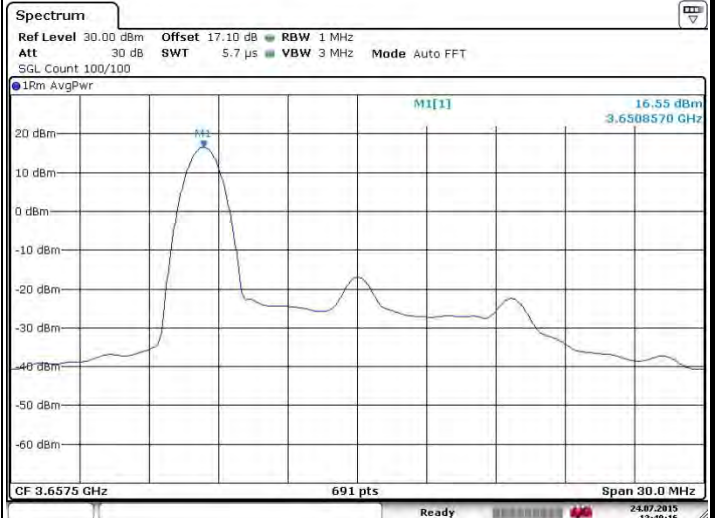
LTE Band 43 / 15MHz

Low channel / 1 RB / QPSK



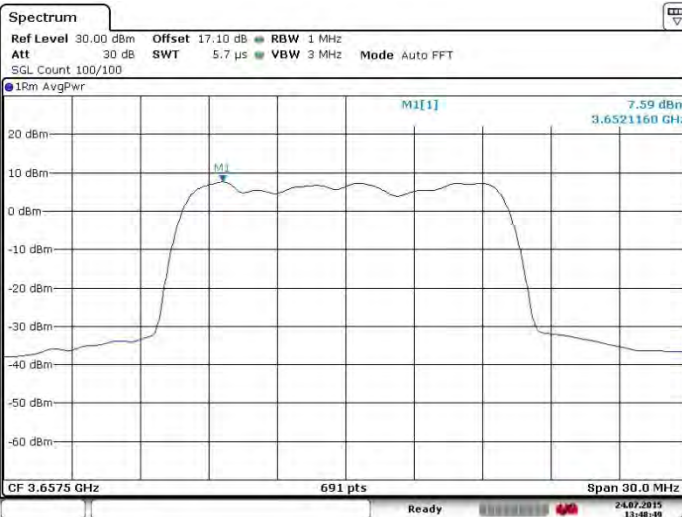
Date: 24.JUL.2015 13:49:08

Low channel / 1 RB / 16QAM



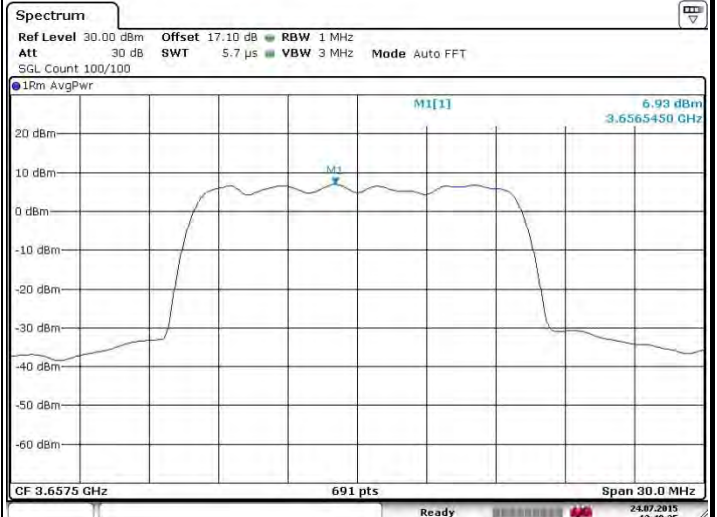
Date: 24.JUL.2015 13:49:17

Low channel / Full RB / QPSK



Date: 24.JUL.2015 13:48:49

Low channel / Full RB / 16QAM



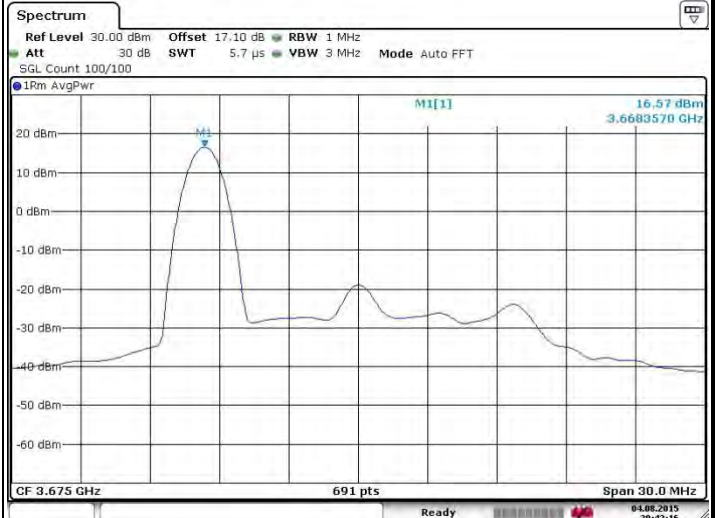
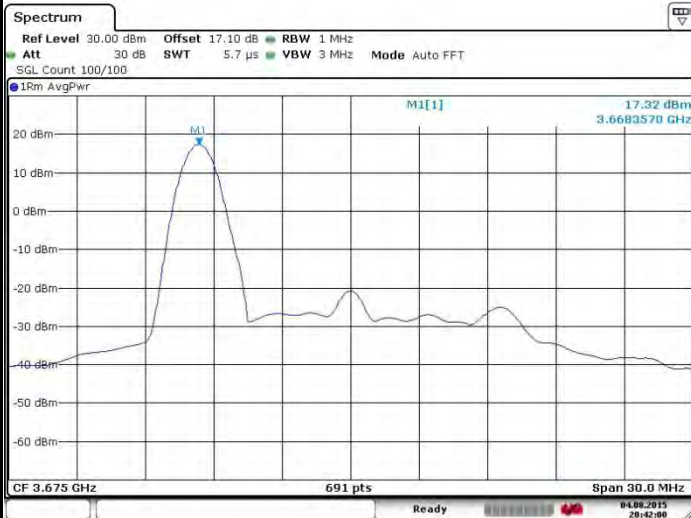
Date: 24.JUL.2015 13:48:25



LTE Band 43 / 15MHz

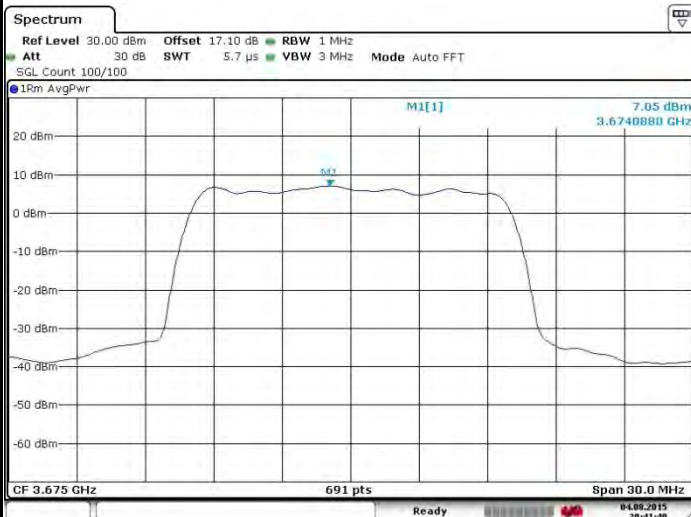
Middle channel / 1 RB / QPSK

Middle channel / 1 RB / 16QAM



Middle channel / Full RB / QPSK

Middle channel / Full RB / 16QAM

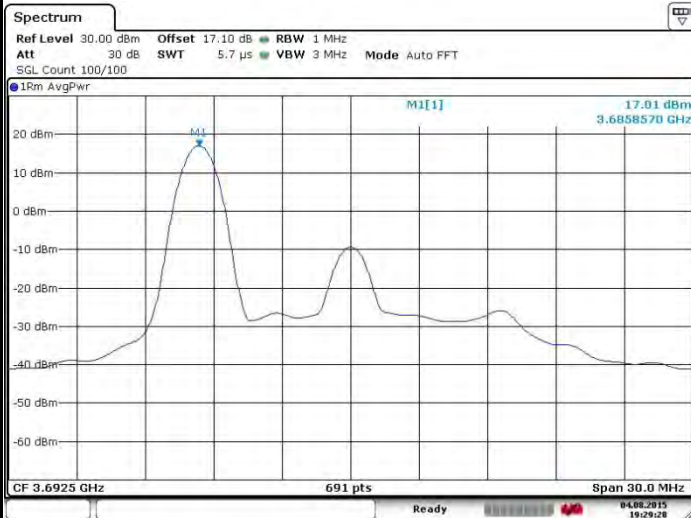




LTE Band 43 / 15MHz

High channel / 1 RB / QPSK

High channel / 1 RB / 16QAM

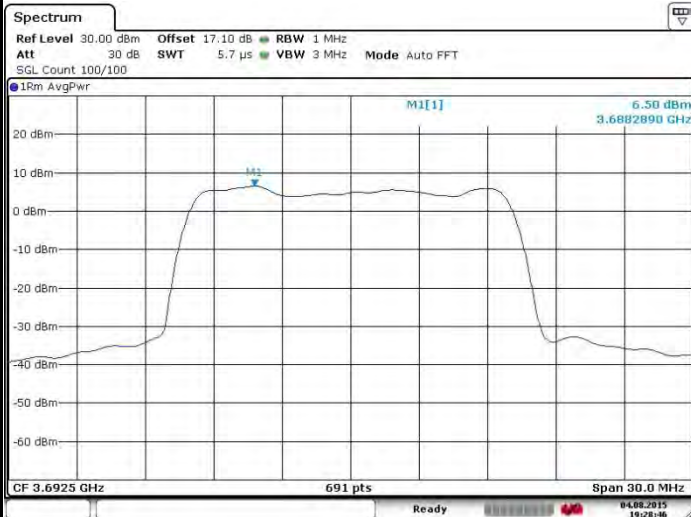


Date: 4 AUG 2015 19:29:28

Date: 4 AUG 2015 19:29:18

High channel / Full RB / QPSK

High channel / Full RB / 16QAM



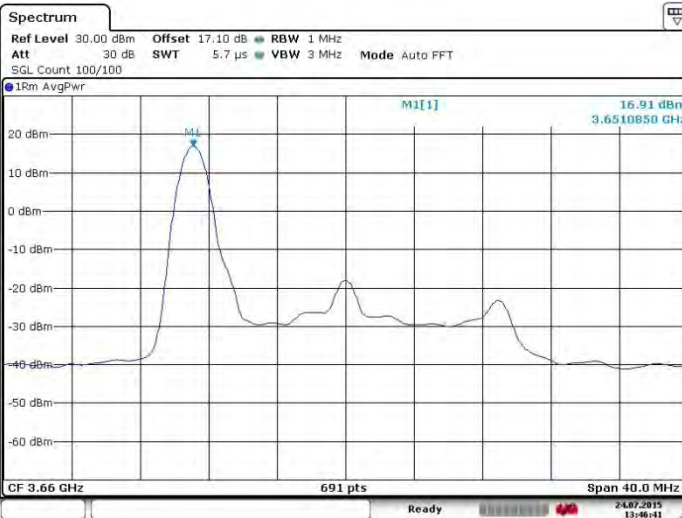
Date: 4 AUG 2015 19:28:46

Date: 4 AUG 2015 19:28:31



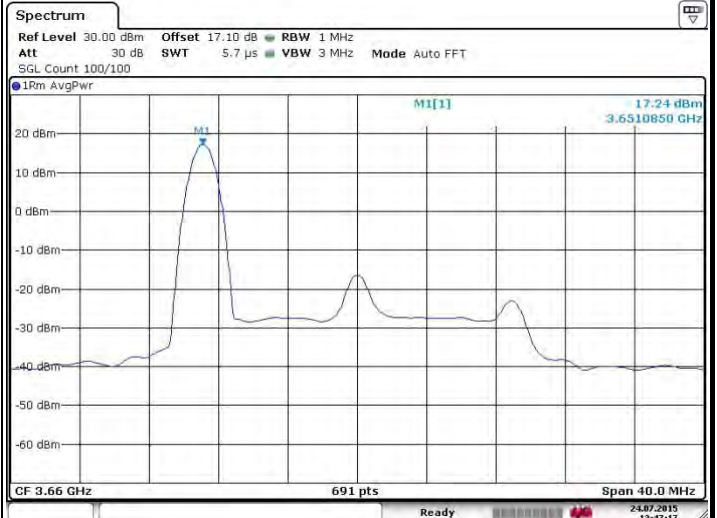
LTE Band 43 / 20MHz

Low channel / 1 RB / QPSK



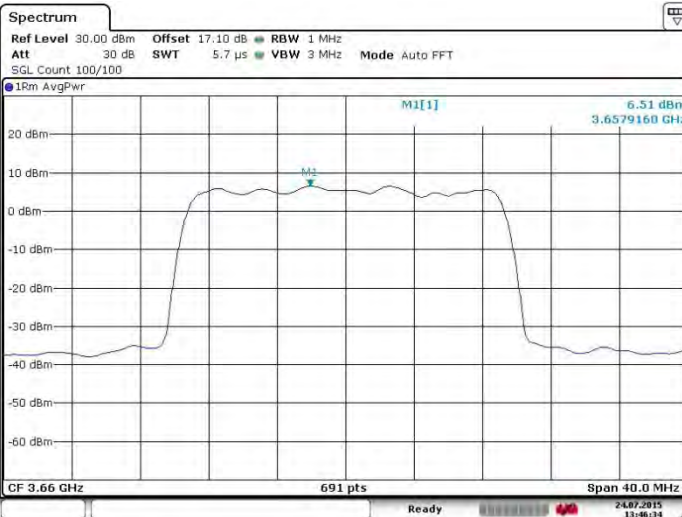
Date: 24.JUL.2015 13:46:41

Low channel / 1 RB / 16QAM



Date: 24.JUL.2015 13:47:17

Low channel / Full RB / QPSK



Date: 24.JUL.2015 13:46:34

Low channel / Full RB / 16QAM



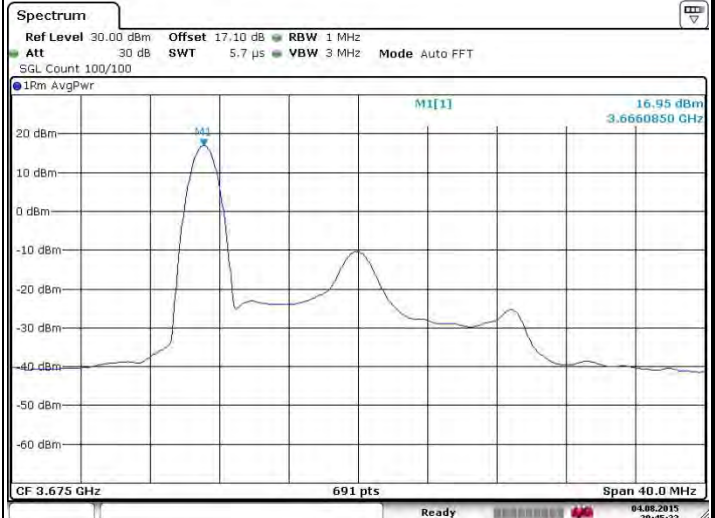
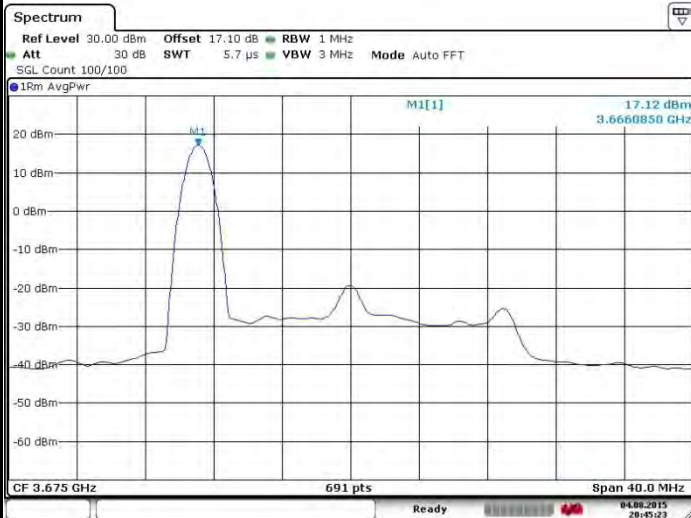
Date: 24.JUL.2015 13:46:27



LTE Band 43 / 20MHz

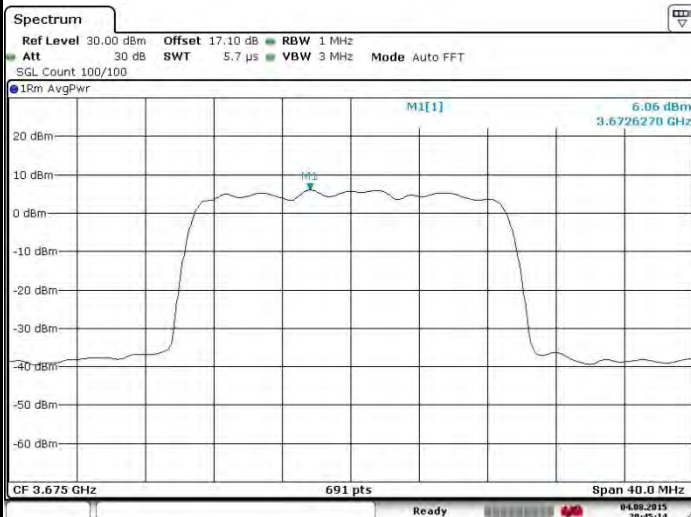
Middle channel / 1 RB / QPSK

Middle channel / 1 RB / 16QAM



Middle channel / Full RB / QPSK

Middle channel / Full RB / 16QAM

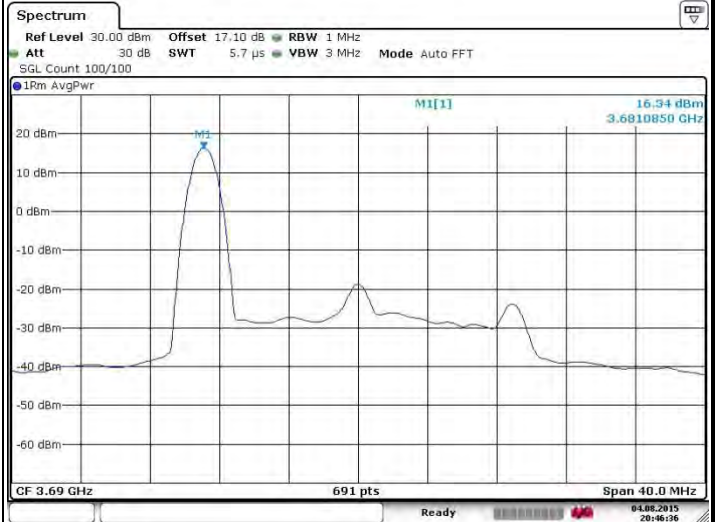
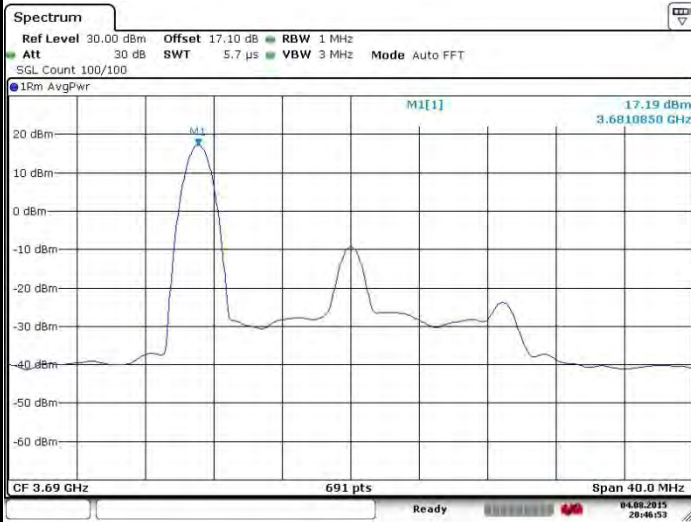




LTE Band 43 / 20MHz

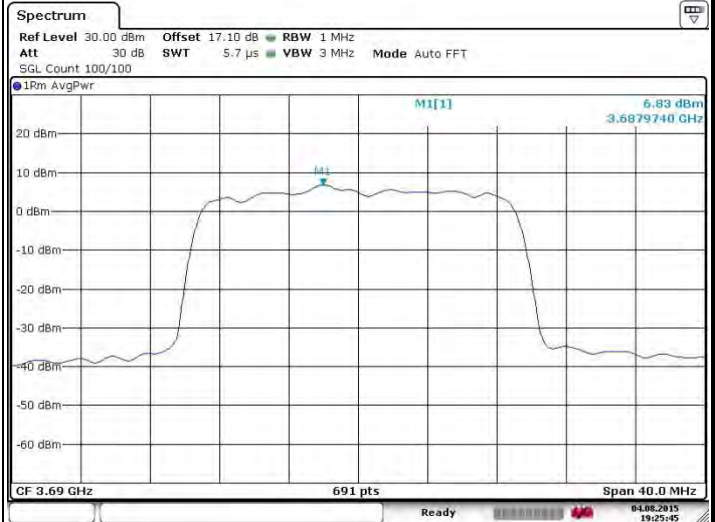
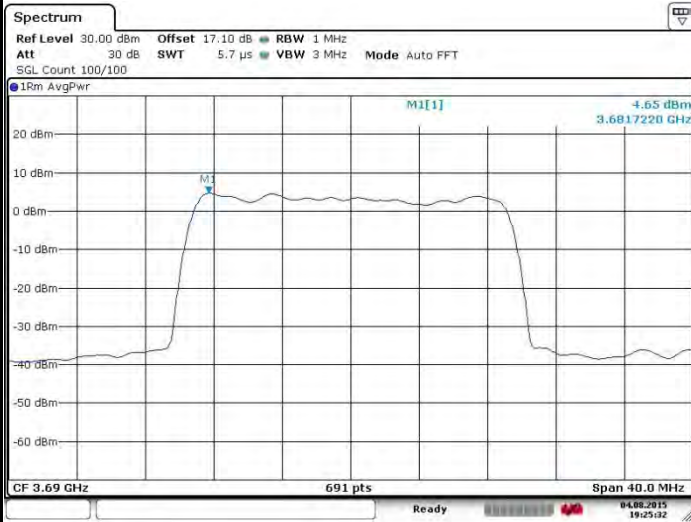
High channel / 1 RB / QPSK

High channel / 1 RB / 16QAM



High channel / Full RB / QPSK

High channel / Full RB / 16QAM





Frequency Stability

Test Conditions		LTE Band 43 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0005	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0071	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0059	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage = 100~240V. ; Battery End Point (BEP) = 90 V. ; Maximum Voltage =264 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.