



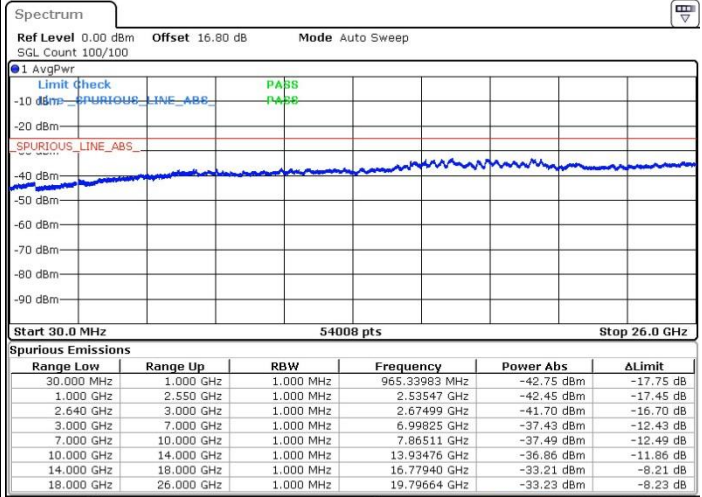
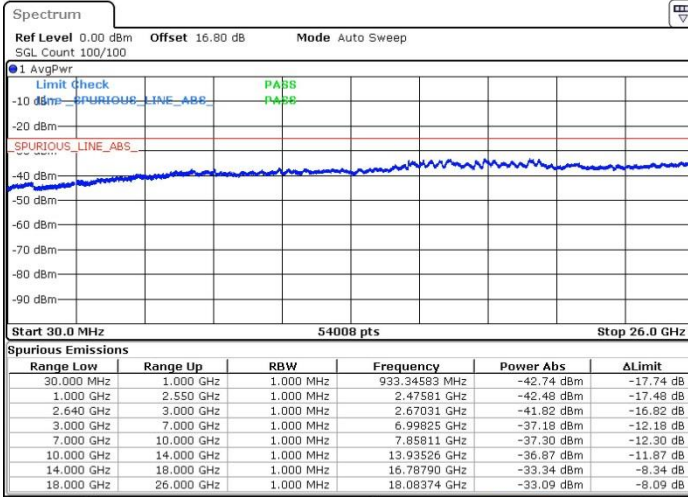
**Conducted Spurious Emission**



LTE Band 38 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

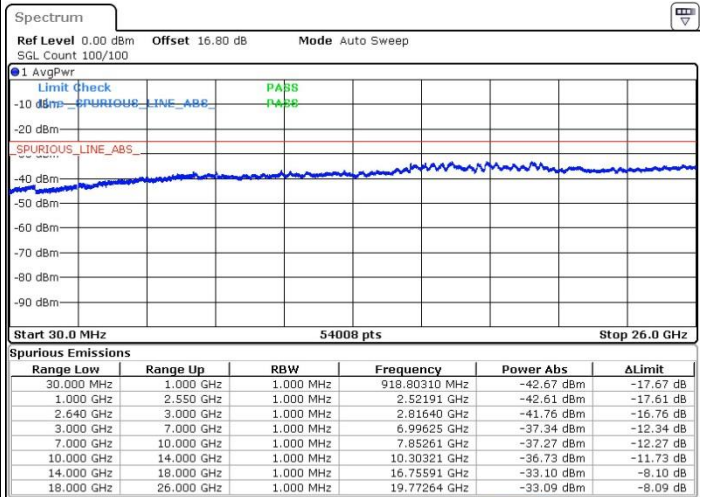
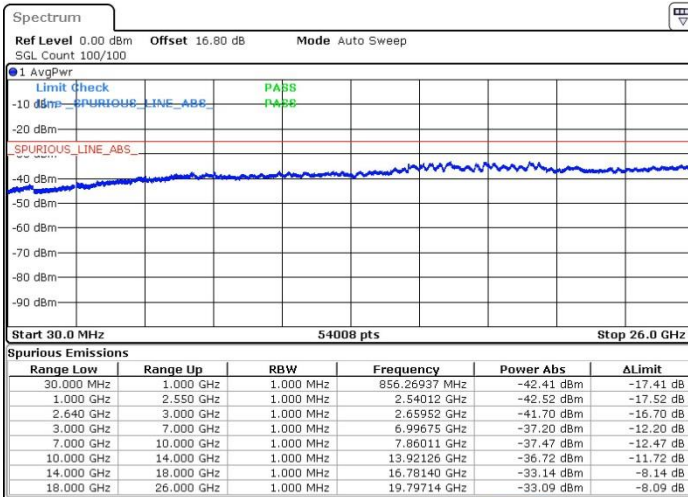


Date: 20 JUN 2015 13:40:39

Date: 20 JUN 2015 13:41:49

Middle Channel / QPSK

Middle Channel / 16QAM



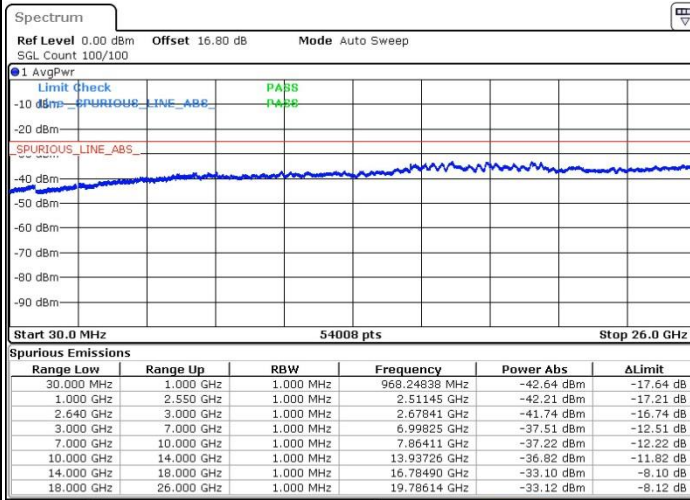
Date: 20 JUN 2015 13:43:00

Date: 20 JUN 2015 13:44:10



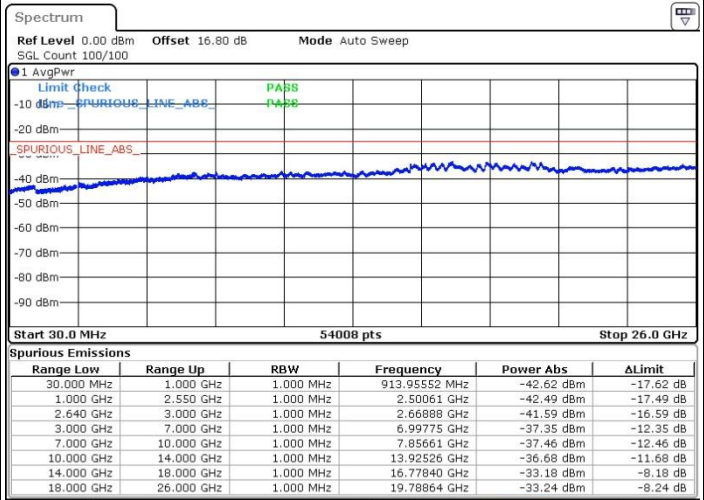
LTE Band 38 / 5MHz

Highest Channel / QPSK



Date: 20 JUN 2015 13:45:20

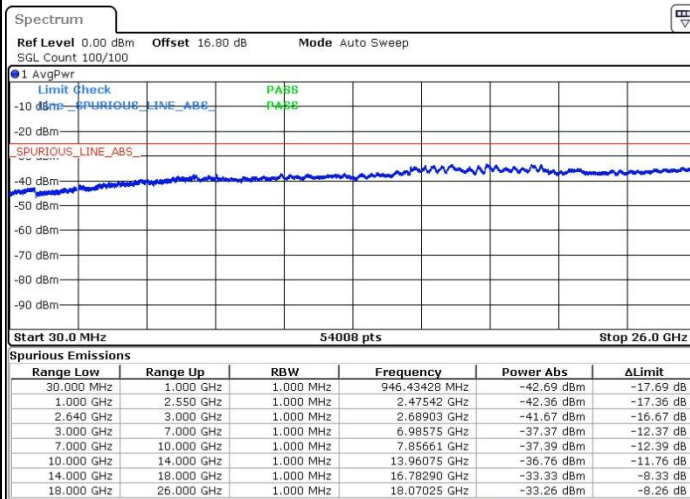
Highest Channel / 16QAM



Date: 20 JUN 2015 13:46:31

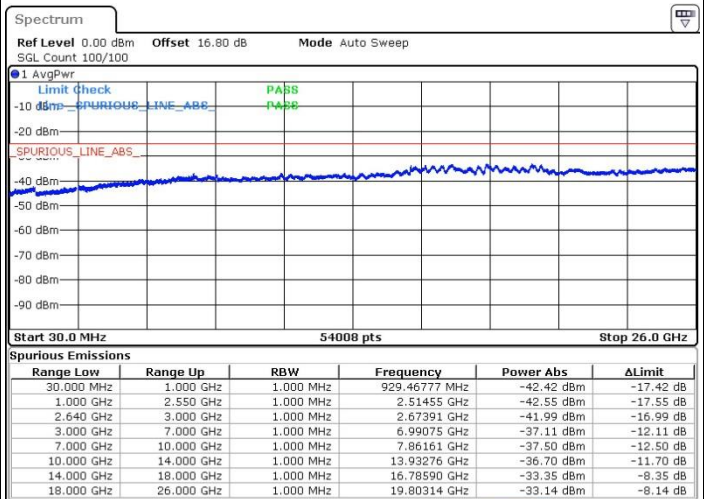
LTE Band 38 / 10MHz

Lowest Channel / QPSK



Date: 20 JUN 2015 13:47:42

Lowest Channel / 16QAM



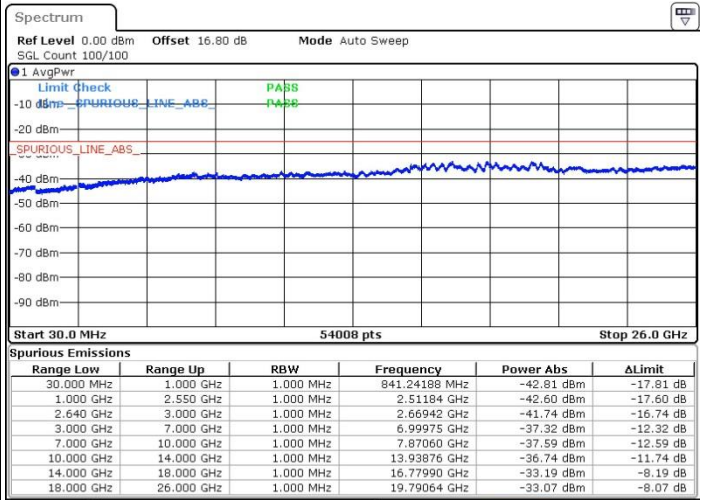
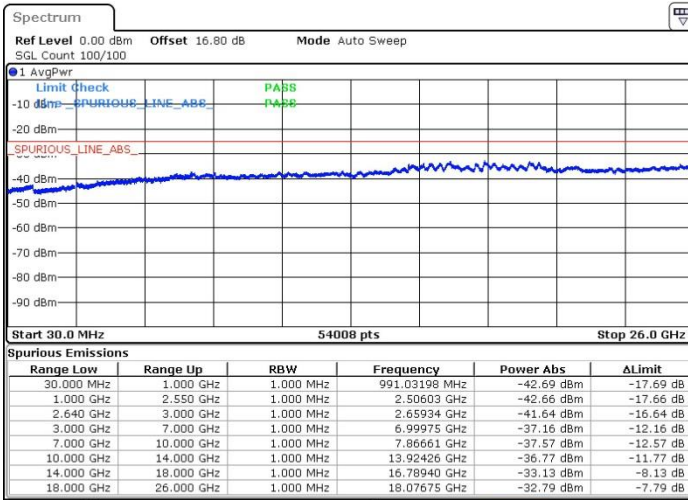
Date: 20 JUN 2015 13:48:52



LTE Band 38 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

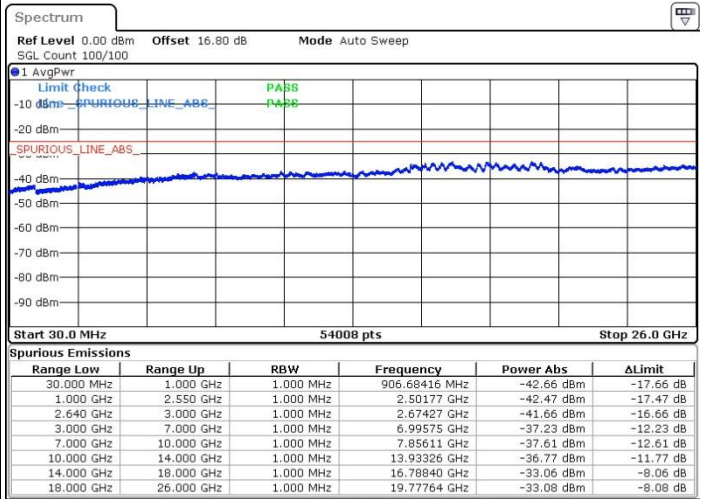
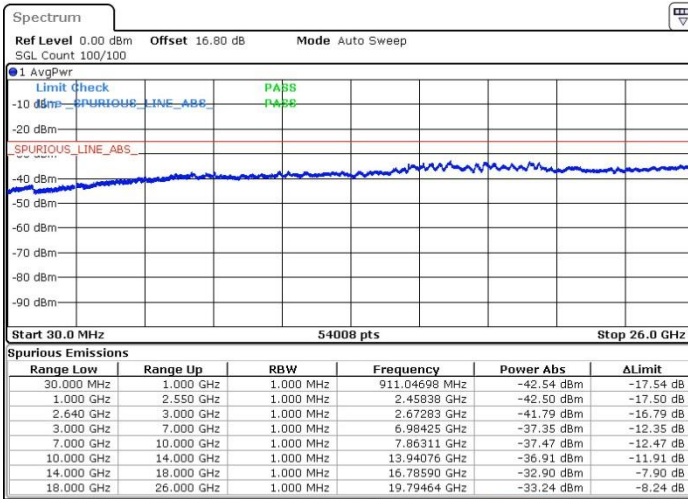


Date: 20 JUN 2015 13:50:03

Date: 20 JUN 2015 13:51:13

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 20 JUN 2015 13:52:24

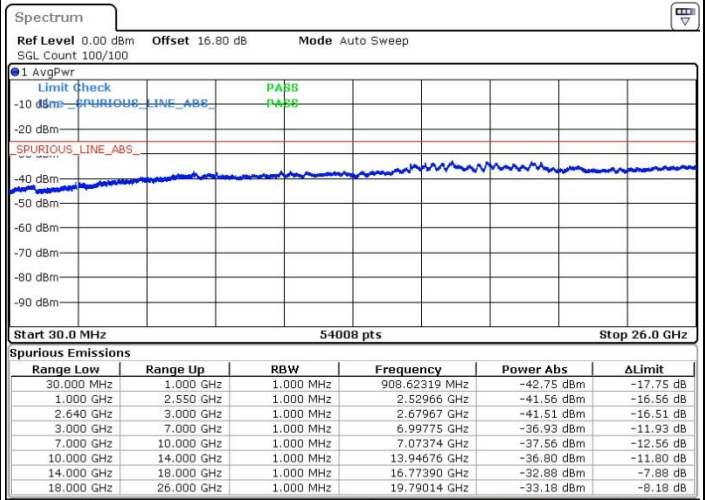
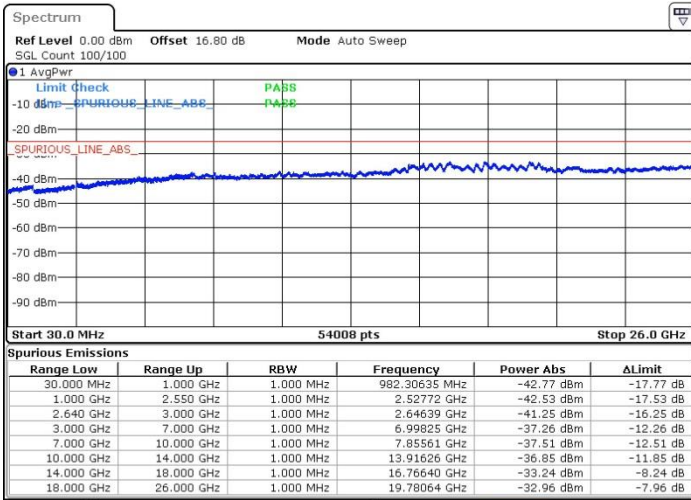
Date: 20 JUN 2015 13:53:34



LTE Band 38 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

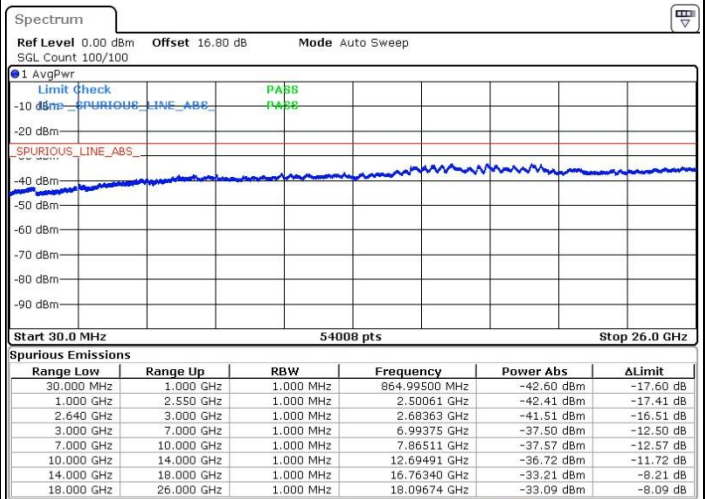
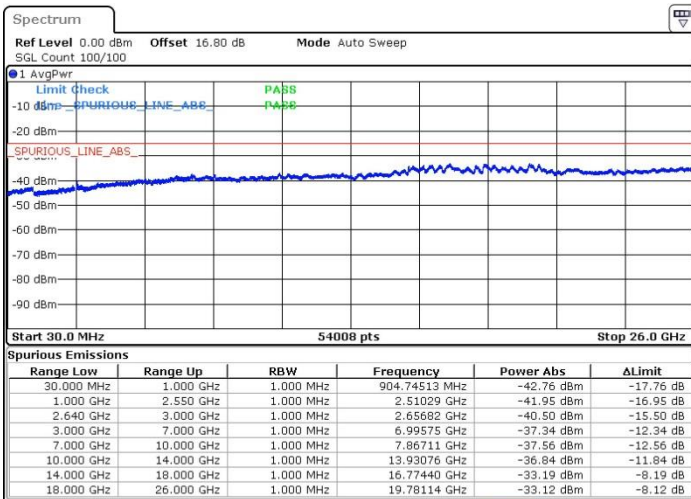


Date: 20 JUN 2015 13:54:44

Date: 20 JUN 2015 13:55:55

Middle Channel / QPSK

Middle Channel / 16QAM



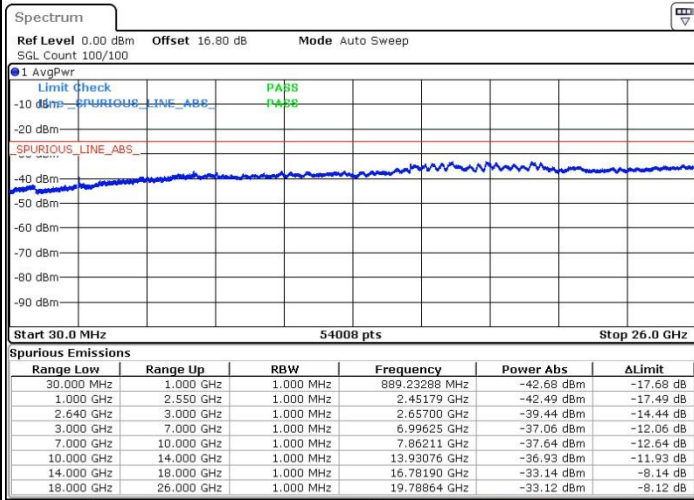
Date: 20 JUN 2015 13:57:05

Date: 20 JUN 2015 13:58:15



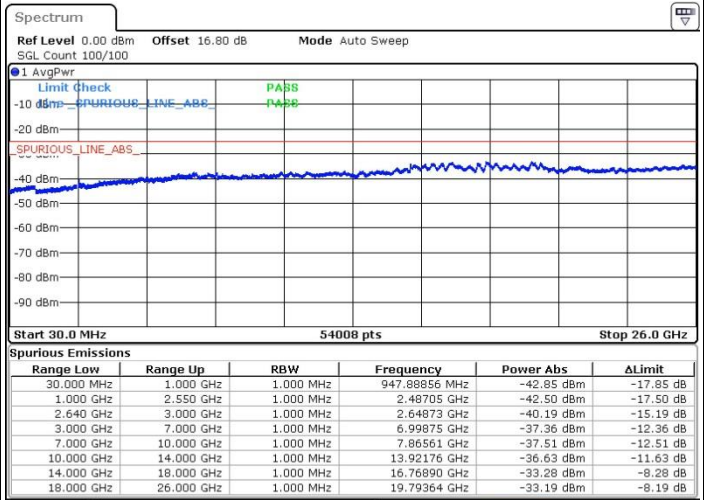
LTE Band 38 / 15MHz

Highest Channel / QPSK



Date: 20 JUN 2015 13:59:26

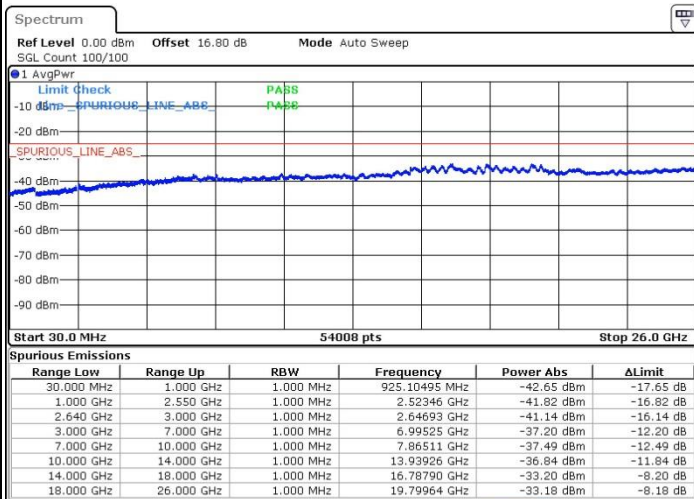
Highest Channel / 16QAM



Date: 20 JUN 2015 14:00:36

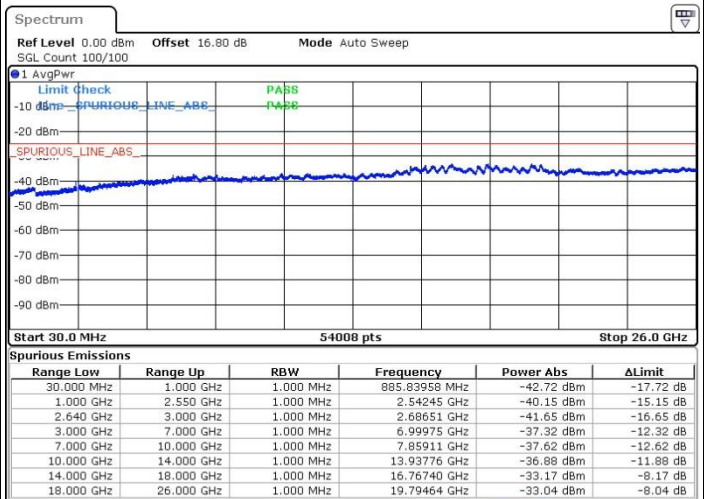
LTE Band 38 / 20MHz

Lowest Channel / QPSK



Date: 20 JUN 2015 14:01:47

Lowest Channel / 16QAM



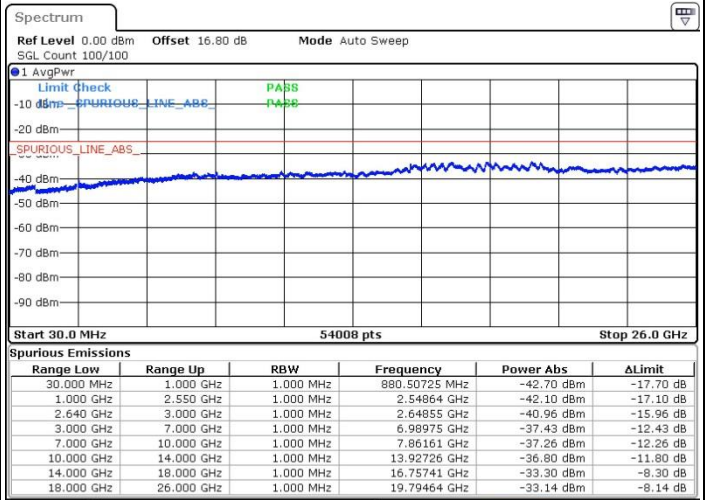
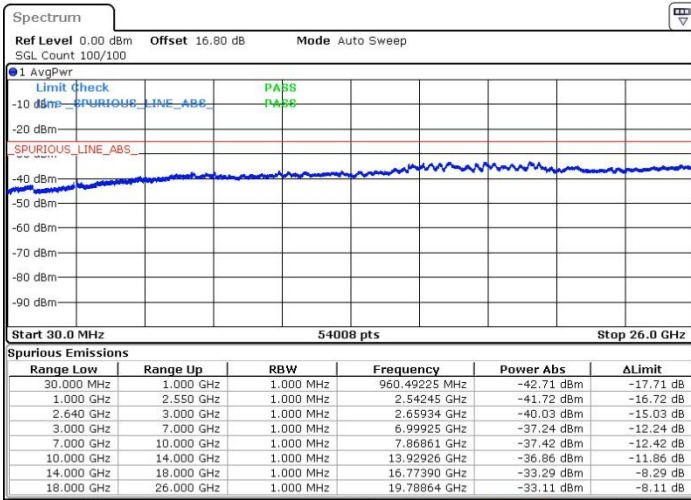
Date: 20 JUN 2015 14:02:57



LTE Band 38 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

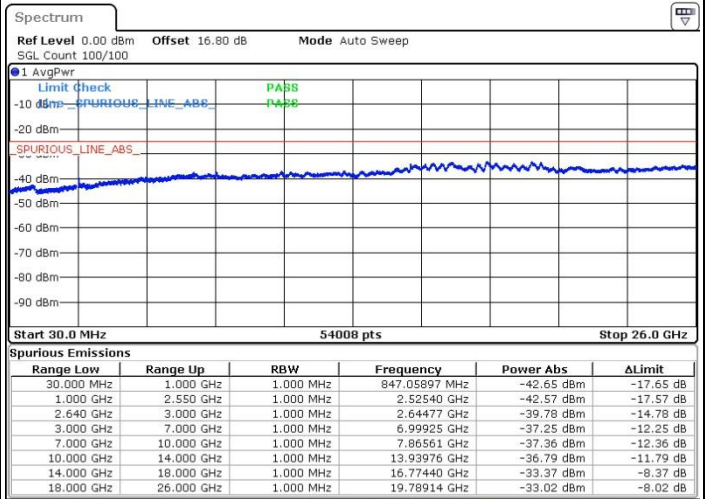
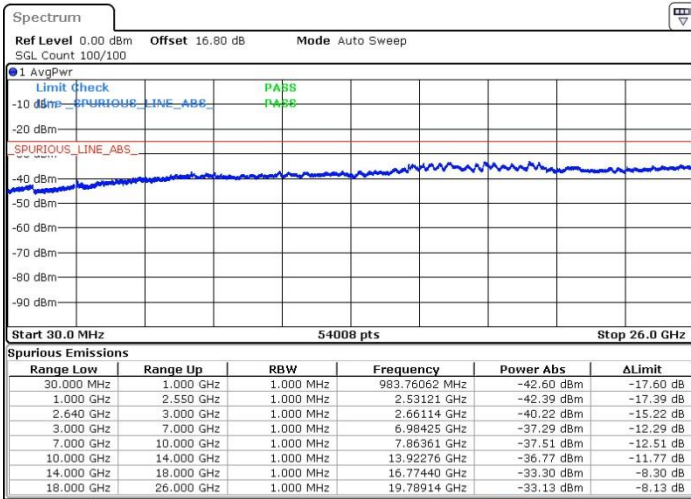


Date: 20 JUN 2015 14:04:08

Date: 20 JUN 2015 14:05:18

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 20 JUN 2015 14:06:28

Date: 20 JUN 2015 14:07:39



### Frequency Stability

Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0071	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0068	
0	Normal Voltage	0.0066	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0068	
-30	Normal Voltage	0.0073	
20	Maximum Voltage	0.0080	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0086	

**Note:**

1. Normal Voltage = 3.9V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



# LTE Band 41

## Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.2	5.04	5.16	6.06	<b>PASS</b>
Middle CH	4.72	5.33	5.74	6.35	
Highest CH	4.29	5.1	5.07	6.14	



LTE Band 41 / 20MHz / QPSK

Lowest Channel / 1RB



Date: 20 JUN 2015 16 01 46

Lowest Channel / Full RB



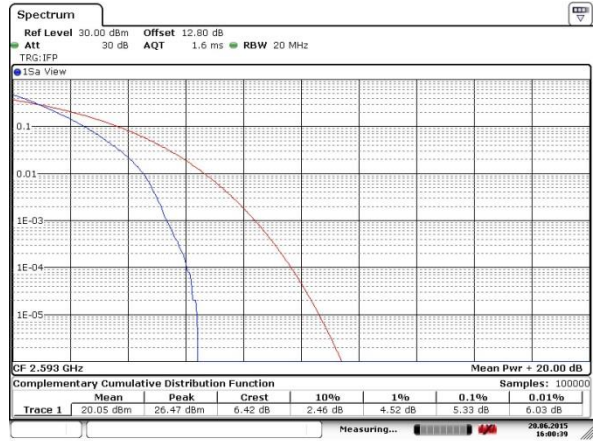
Date: 20 JUN 2015 16 01 56

Middle Channel / 1RB



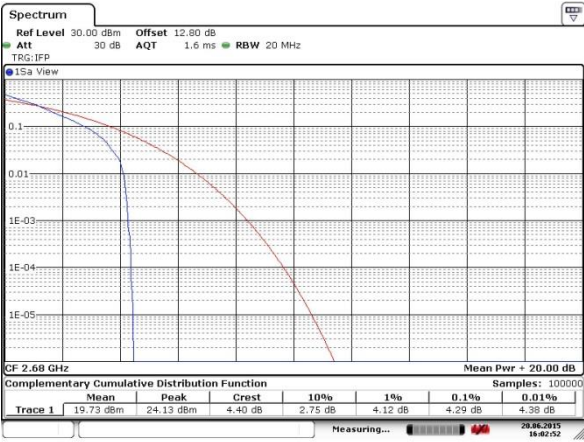
Date: 20 JUN 2015 16 00 55

Middle Channel / Full RB



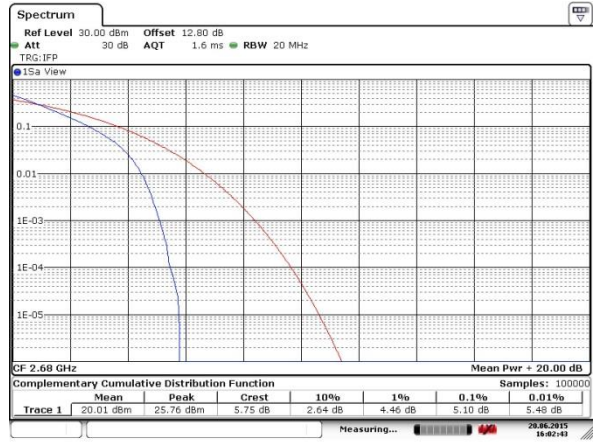
Date: 20 JUN 2015 16 00 39

Highest Channel / 1RB



Date: 20 JUN 2015 16 02 53

Highest Channel / Full RB

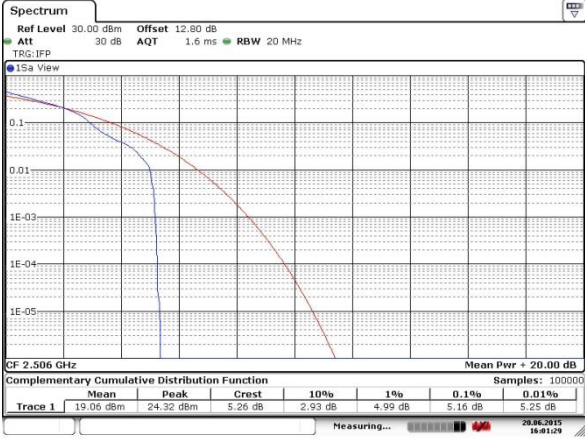


Date: 20 JUN 2015 16 02 43



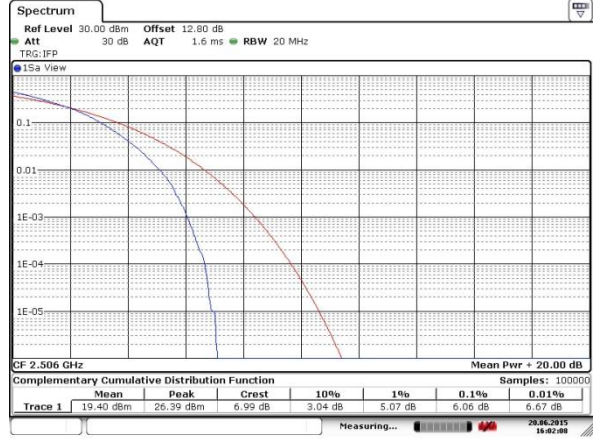
LTE Band 41 / 20MHz / 16QAM

Lowest Channel / 1RB



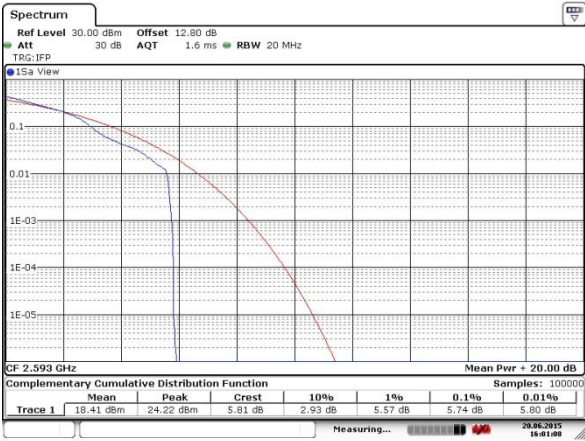
Date: 20 JUN 2015 16:01:29

Lowest Channel / Full RB



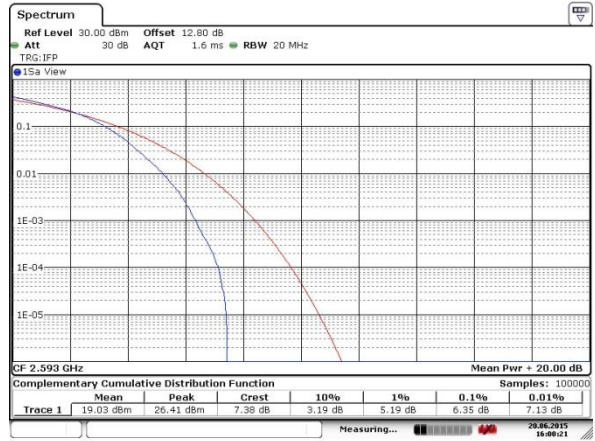
Date: 20 JUN 2015 16:02:08

Middle Channel / 1RB



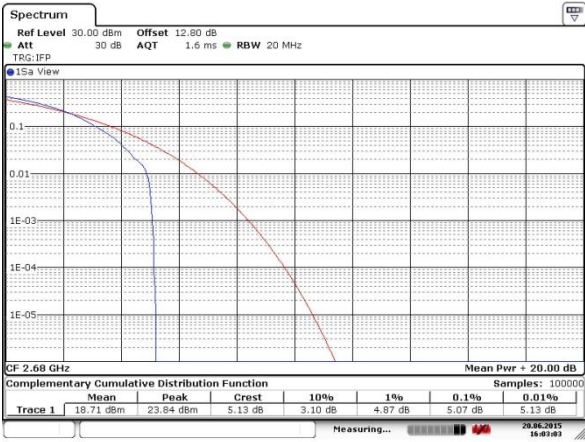
Date: 20 JUN 2015 16:01:08

Middle Channel / Full RB



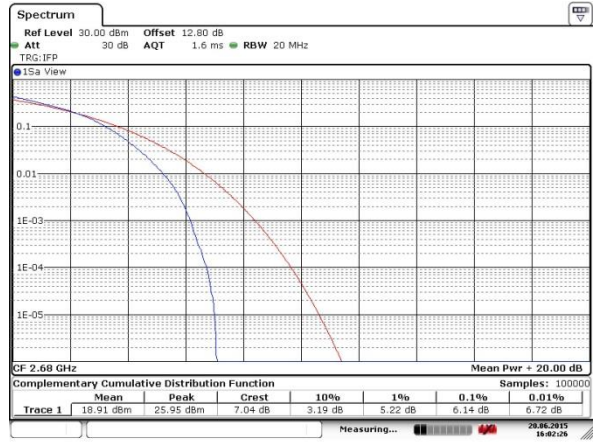
Date: 20 JUN 2015 16:00:21

Highest Channel / 1RB



Date: 20 JUN 2015 16:03:04

Highest Channel / Full RB



Date: 20 JUN 2015 16:00:26



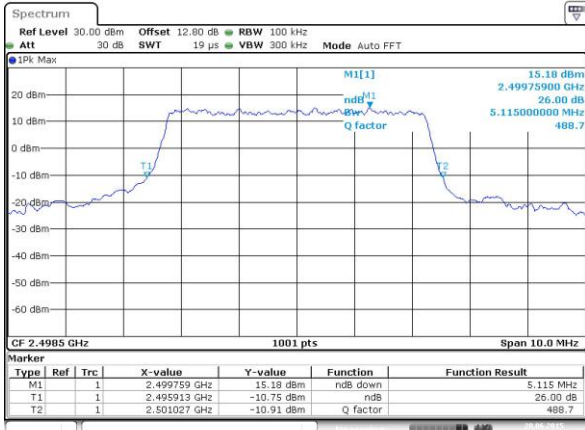
**26dB Bandwidth**

Mode	LTE Band 41 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	5.12	5.03	9.91	9.95	14.66	14.48	20.98	20.34
Middle CH	-	-	-	-	5.16	5.09	10.15	9.91	14.69	14.78	20.54	20.18
Highest CH	-	-	-	-	5.36	5.06	9.97	9.99	15.29	15.61	20.34	20.26



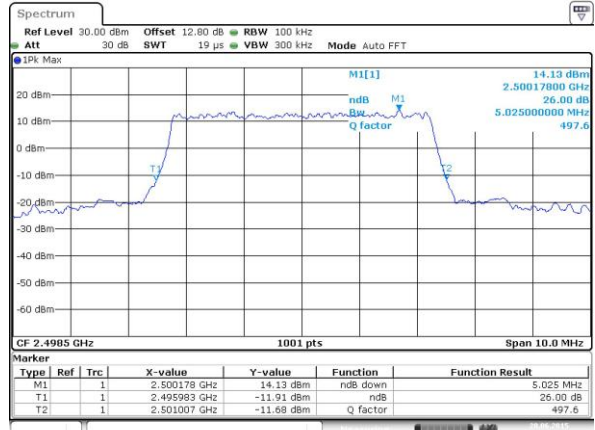
LTE Band 41

Lowest Channel / 5MHz / QPSK



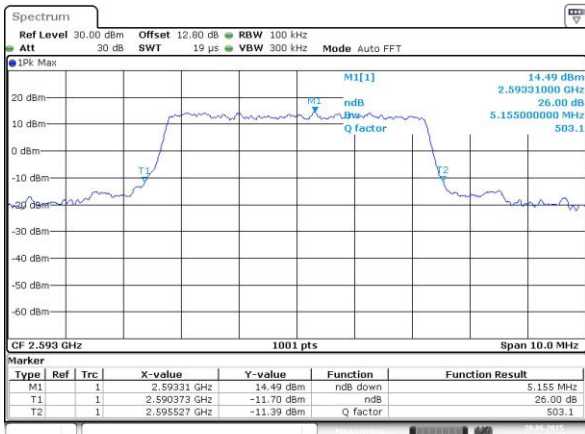
Date: 20 JUN 2015 15:39:34

Lowest Channel / 5MHz / 16QAM



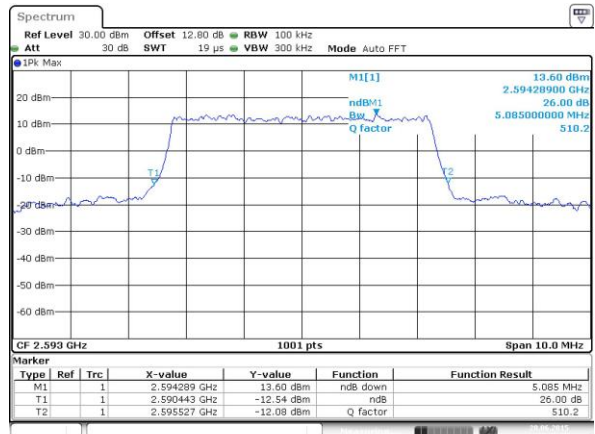
Date: 20 JUN 2015 15:39:47

Middle Channel / 5MHz / QPSK



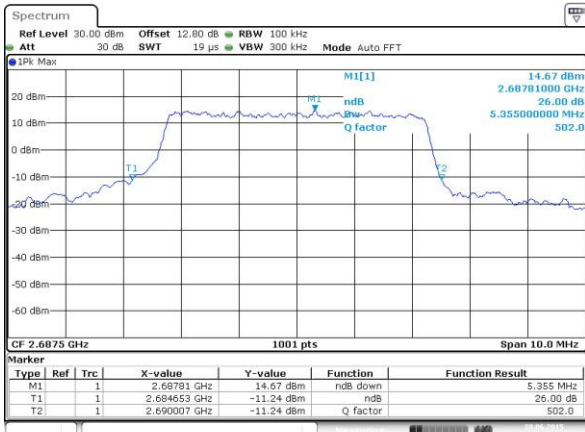
Date: 20 JUN 2015 15:40:22

Middle Channel / 5MHz / 16QAM



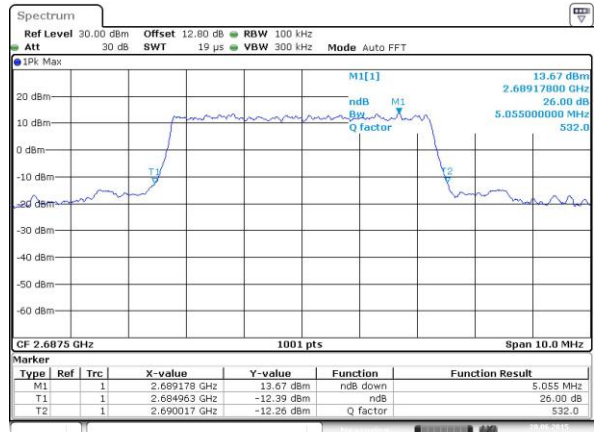
Date: 20 JUN 2015 15:40:35

Highest Channel / 5MHz / QPSK



Date: 20 JUN 2015 15:41:09

Highest Channel / 5MHz / 16QAM

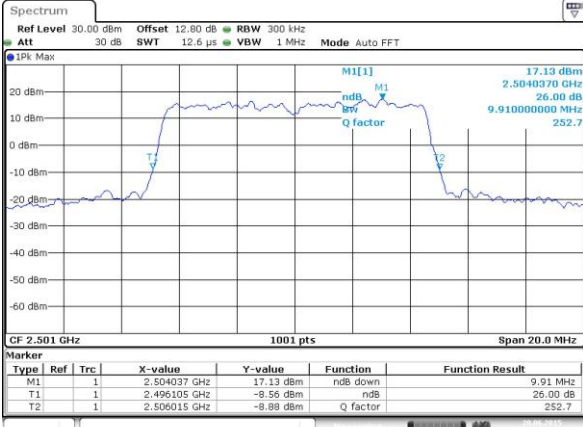


Date: 20 JUN 2015 15:41:22



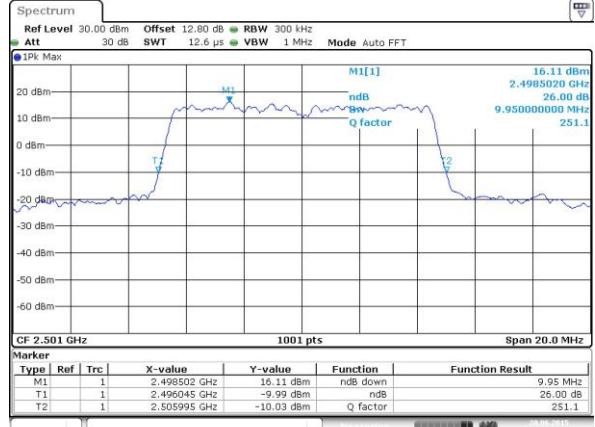
LTE Band 41

Lowest Channel / 10MHz / QPSK



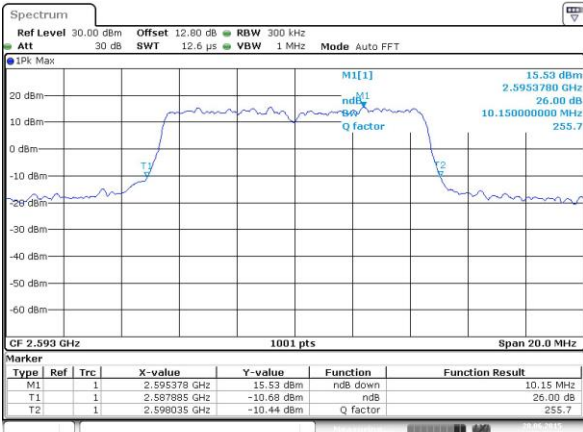
Date: 20 JUN 2015 15:41:57

Lowest Channel / 10MHz / 16QAM



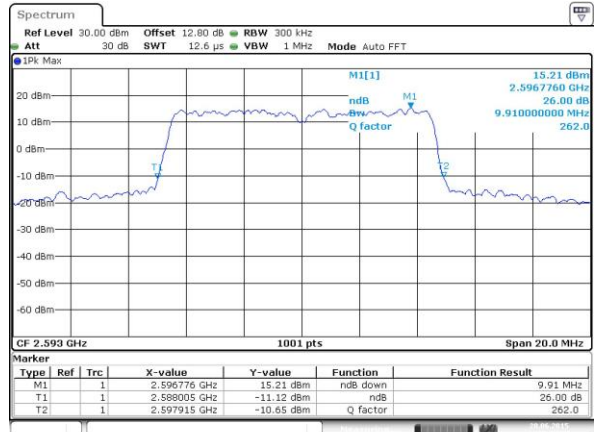
Date: 20 JUN 2015 15:42:10

Middle Channel / 10MHz / QPSK



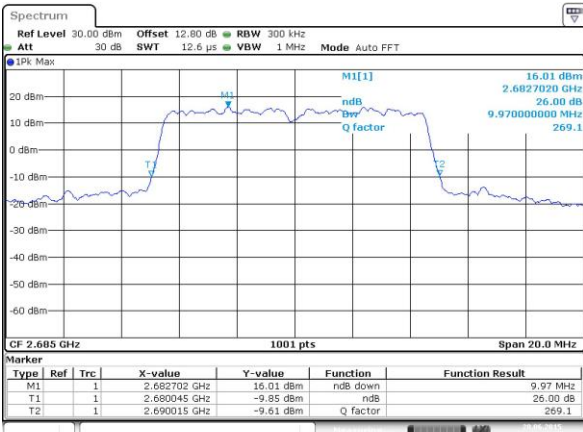
Date: 20 JUN 2015 15:42:44

Middle Channel / 10MHz / 16QAM



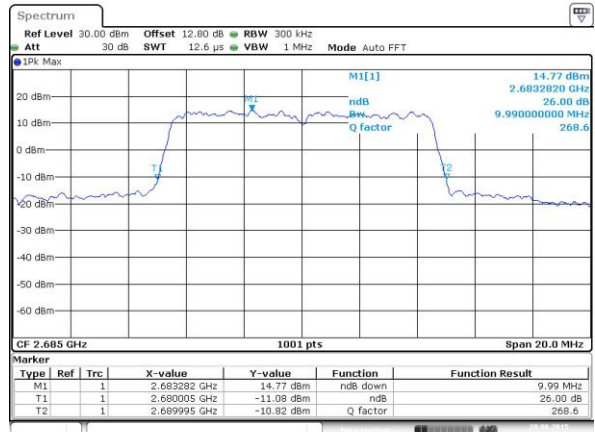
Date: 20 JUN 2015 15:42:57

Highest Channel / 10MHz / QPSK



Date: 20 JUN 2015 15:43:32

Highest Channel / 10MHz / 16QAM



Date: 20 JUN 2015 15:43:45