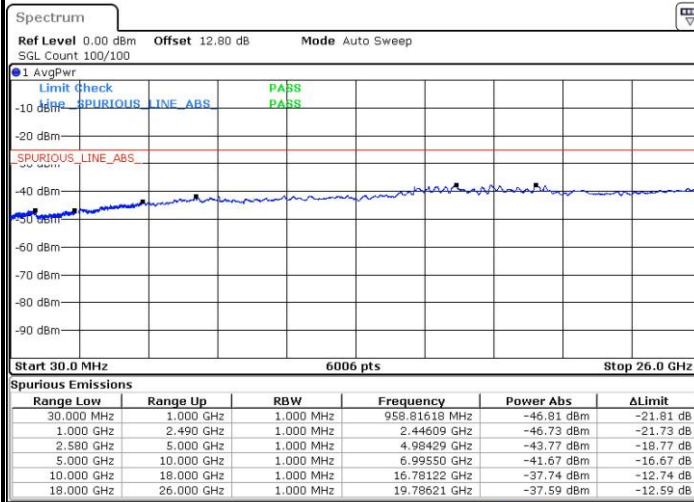




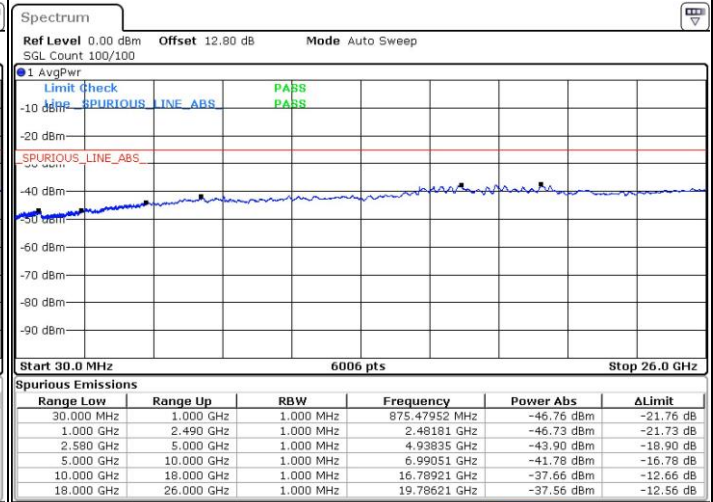
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 20 JUN 2015 14:29:10

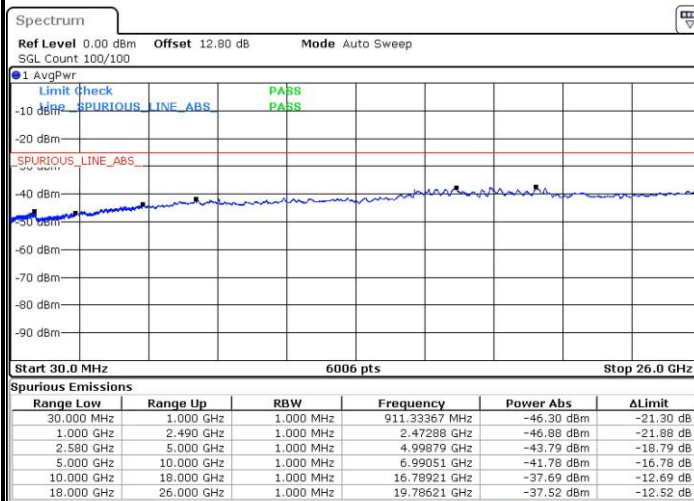
Highest Channel / 16QAM



Date: 20 JUN 2015 14:30:20

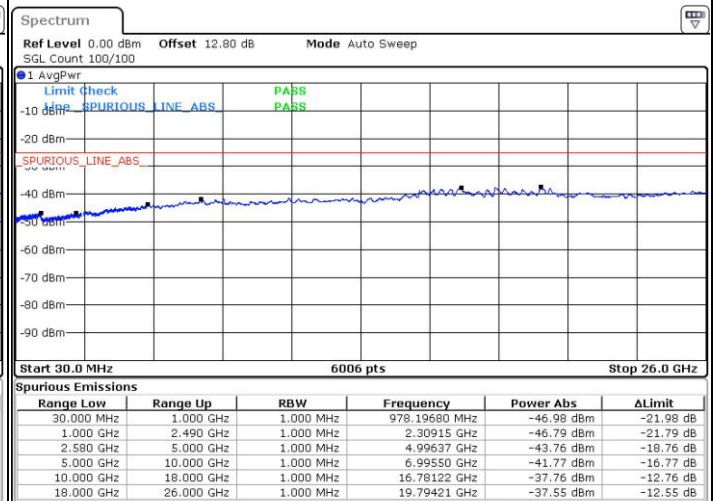
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 20 JUN 2015 14:36:56

Lowest Channel / 16QAM

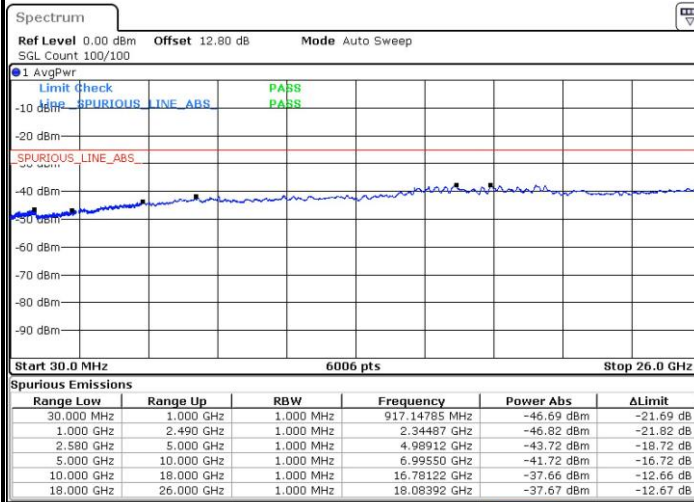


Date: 20 JUN 2015 14:38:06



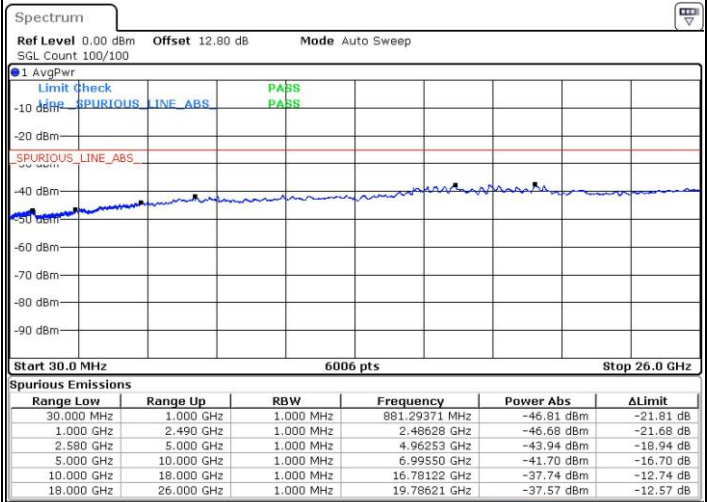
LTE Band 7 / 10MHz

Middle Channel / QPSK



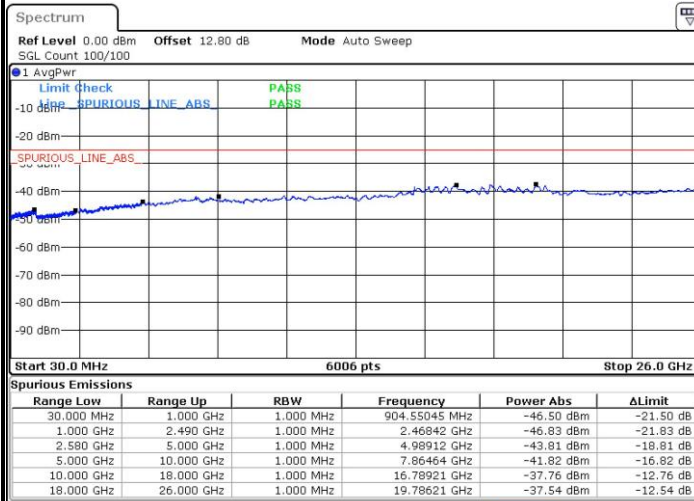
Date: 20 JUN 2015 14:40:03

Middle Channel / 16QAM



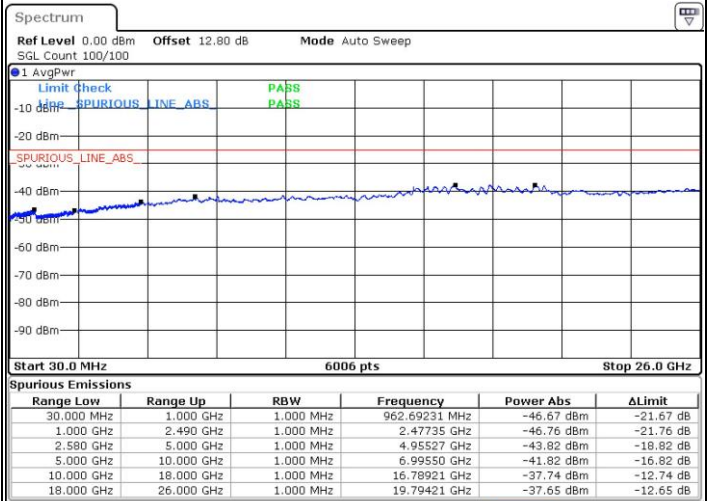
Date: 20 JUN 2015 14:41:12

Highest Channel / QPSK



Date: 20 JUN 2015 14:47:49

Highest Channel / 16QAM

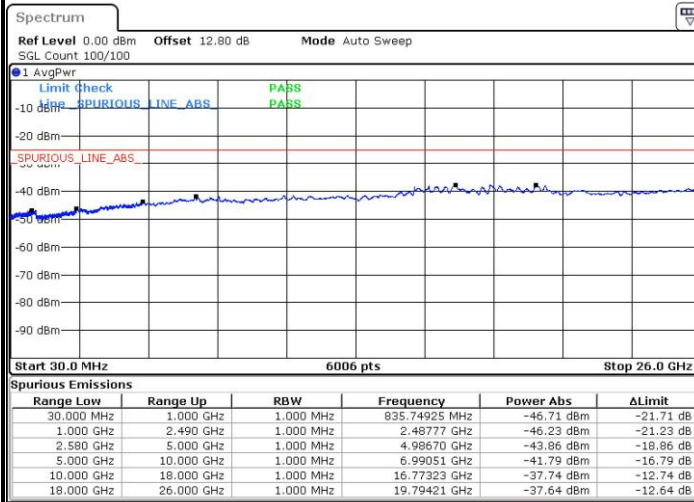


Date: 20 JUN 2015 14:48:59



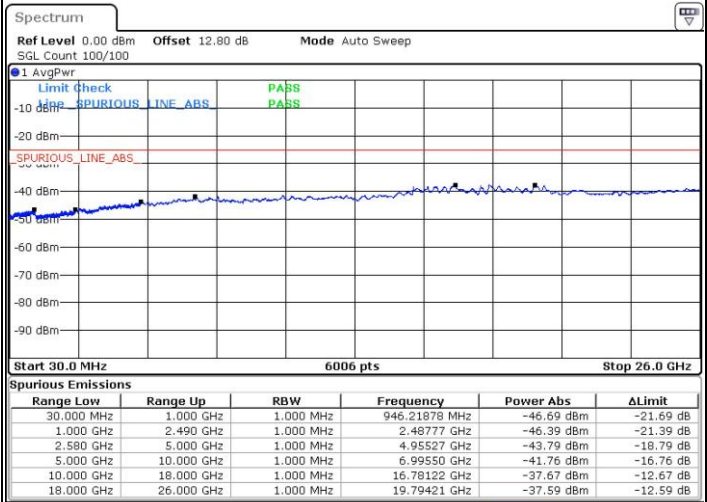
LTE Band 7 / 15MHz

Lowest Channel / QPSK



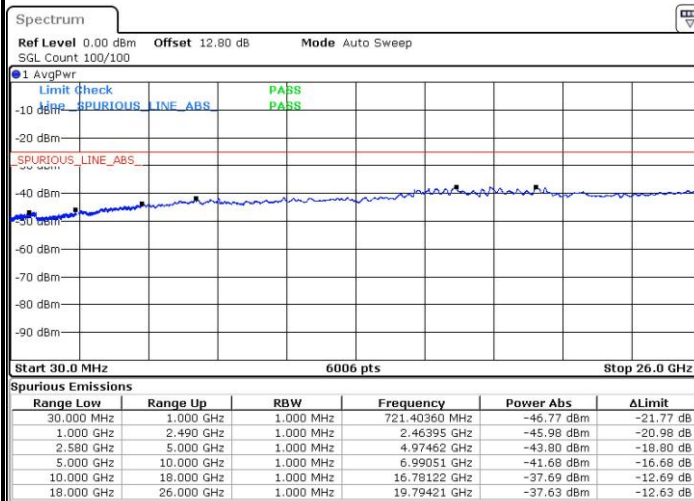
Date: 20 JUN 2015 14:55:36

Lowest Channel / 16QAM



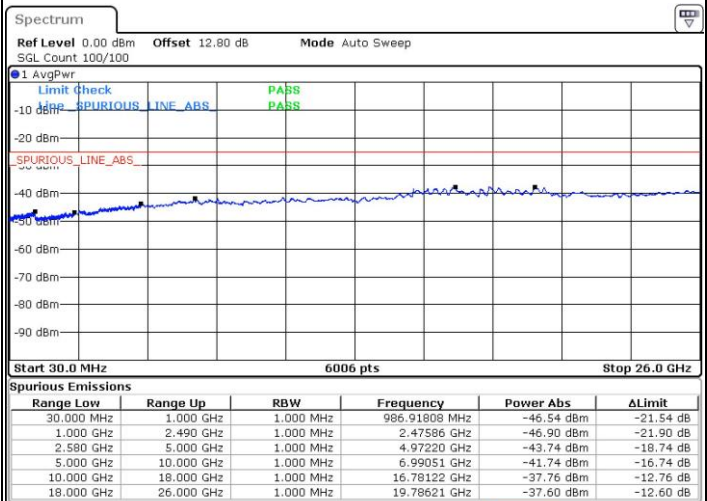
Date: 20 JUN 2015 14:56:45

Middle Channel / QPSK



Date: 20 JUN 2015 14:58:42

Middle Channel / 16QAM

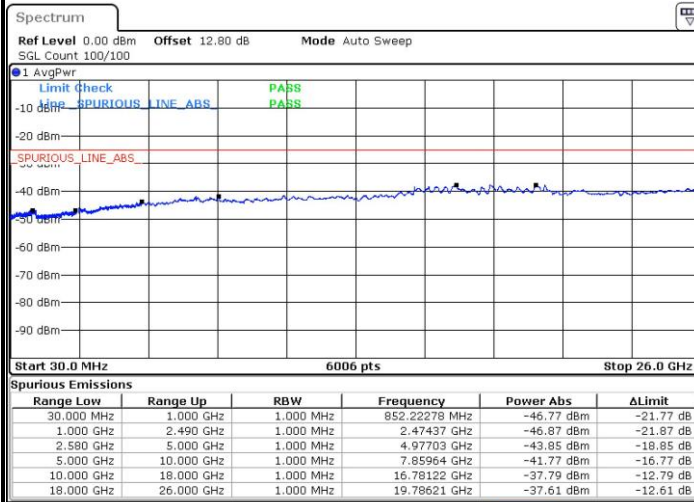


Date: 20 JUN 2015 14:59:52



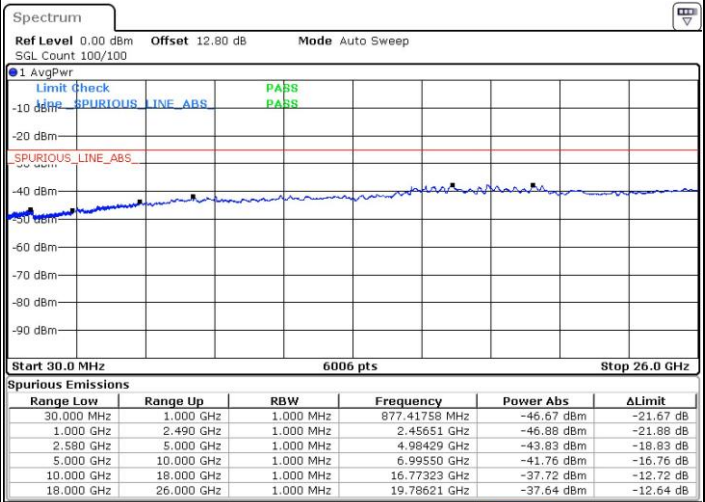
LTE Band 7 / 15MHz

Highest Channel / QPSK



Date: 20 JUN 2015 15:06:29

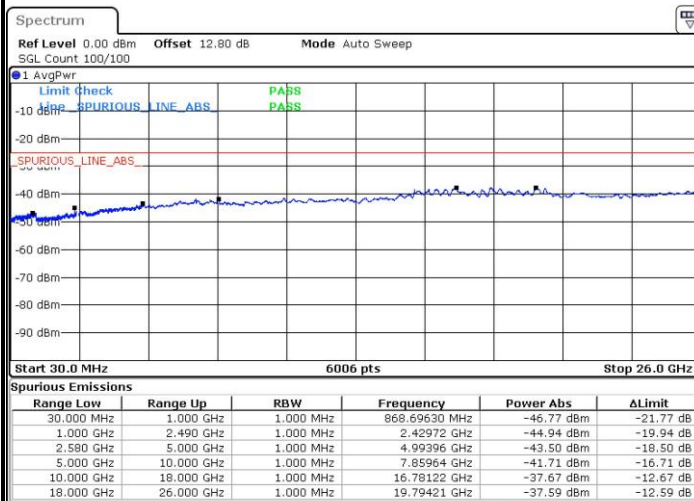
Highest Channel / 16QAM



Date: 20 JUN 2015 15:07:39

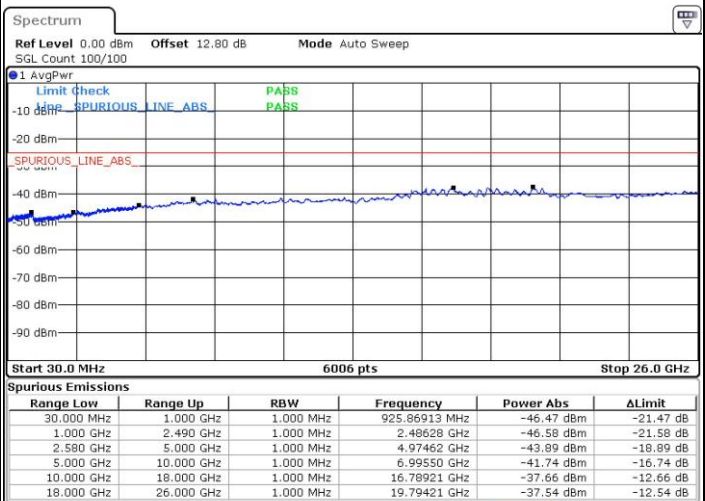
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 20 JUN 2015 15:14:15

Lowest Channel / 16QAM

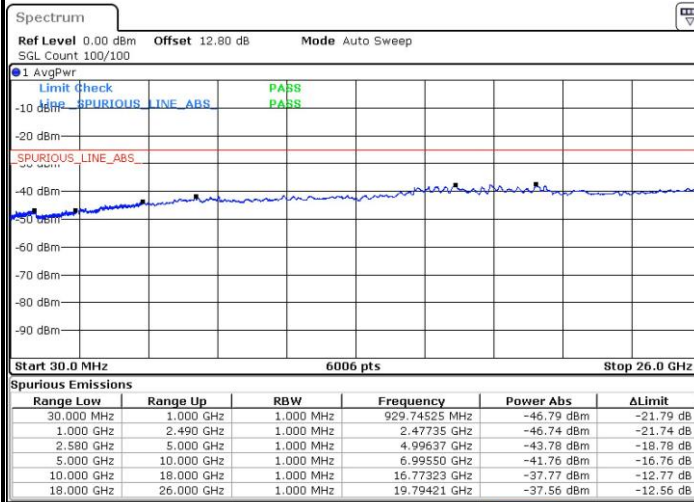


Date: 20 JUN 2015 15:15:24



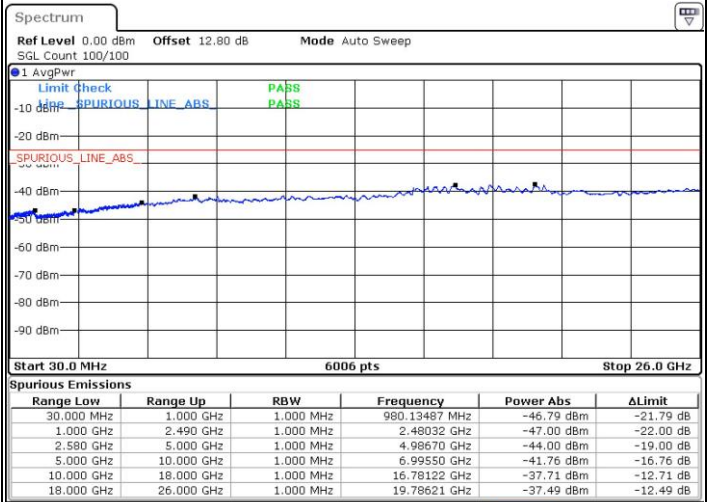
LTE Band 7 / 20MHz

Middle Channel / QPSK



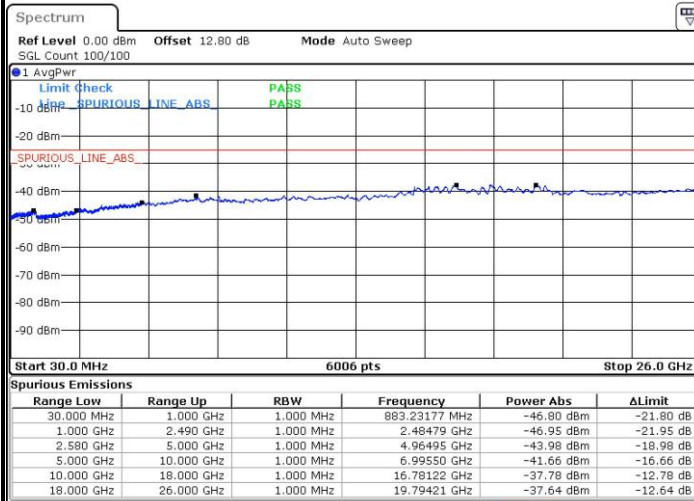
Date: 20 JUN 2015 15:17:21

Middle Channel / 16QAM



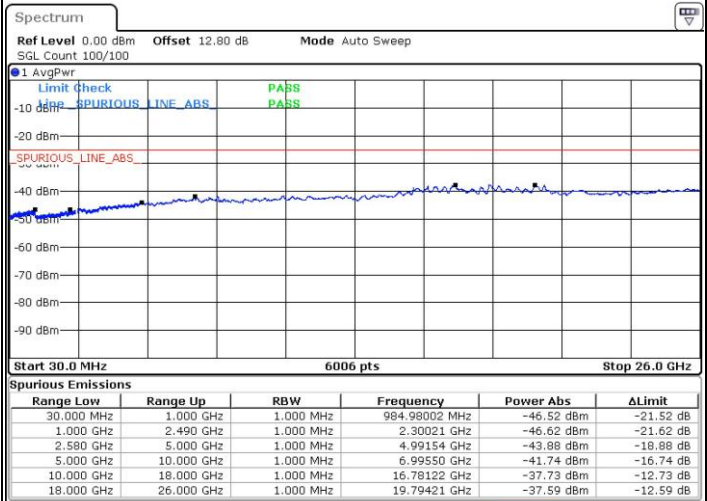
Date: 20 JUN 2015 15:18:31

Highest Channel / QPSK



Date: 20 JUN 2015 15:25:08

Highest Channel / 16QAM



Date: 20 JUN 2015 15:26:18

Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0073	PASS
40	Normal Voltage	0.0058	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0062	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0063	
-20	Normal Voltage	0.0071	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0067	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0062	

Note:

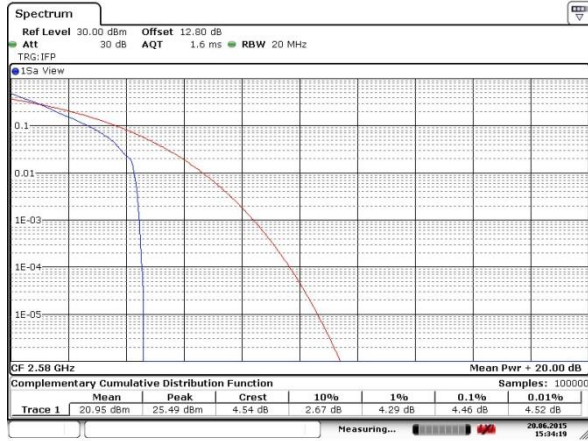
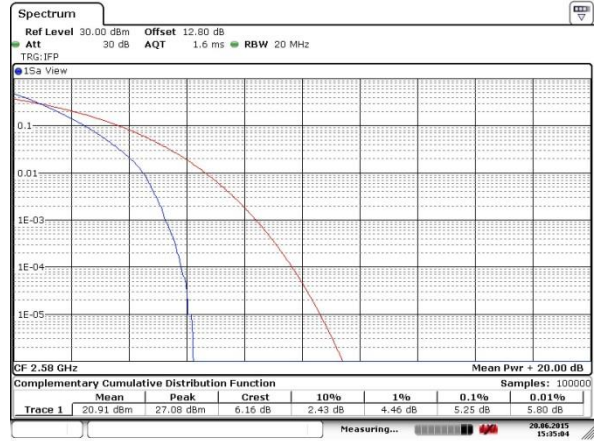
1. Normal Voltage = 3.9V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



LTE Band 38

Peak-to-Average Ratio

Mode	LTE Band 38 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.46	5.25	5.51	6.23	PASS
Middle CH	4.46	5.22	5.25	6.23	
Highest CH	4.43	5.16	5.51	6.2	

LTE Band 38 / 20MHz / QPSK
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

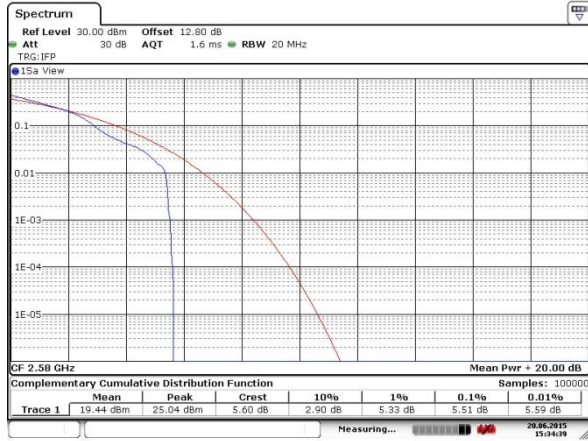
Highest Channel / 1RB

Highest Channel / Full RB



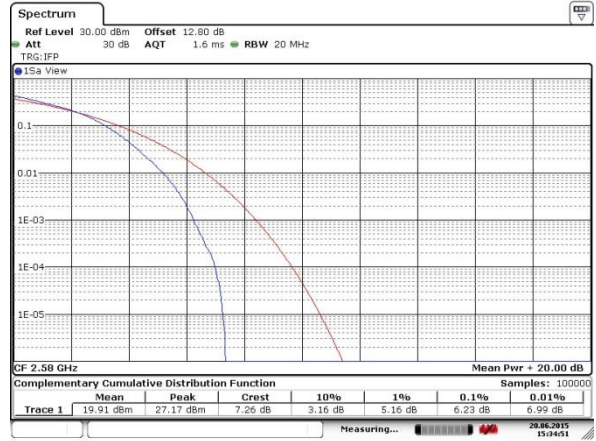

LTE Band 38 / 20MHz / 16QAM

Lowest Channel / 1RB



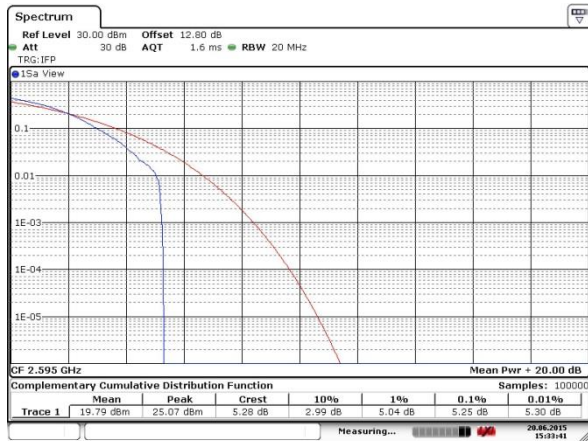
Date: 20 JUN 2015 15:34:39

Lowest Channel / Full RB



Date: 20 JUN 2015 15:34:51

Middle Channel / 1RB



Date: 20 JUN 2015 15:33:41

Middle Channel / Full RB



Date: 20 JUN 2015 15:33:16

Highest Channel / 1RB



Date: 20 JUN 2015 15:35:53

Highest Channel / Full RB



Date: 20 JUN 2015 15:35:44



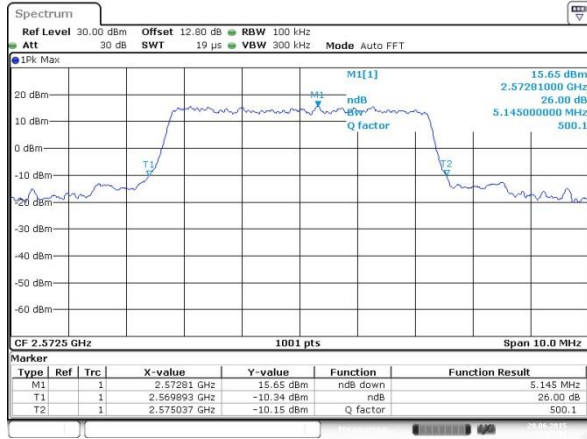
26dB Bandwidth

Mode	LTE Band 38 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH					5.15	5.12	10.01	9.97	14.75	14.63	20.3	20.42
Middle CH					5.16	5.12	10.03	10.01	14.84	14.75	20.34	21.18
Highest CH					5.22	5.16	9.99	9.97	14.78	14.6	20.34	20.26

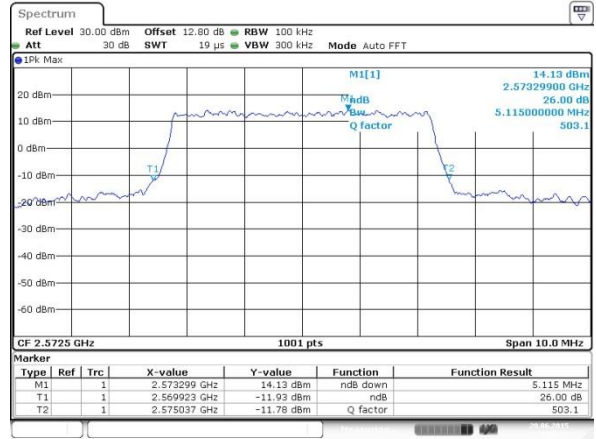


LTE Band 38

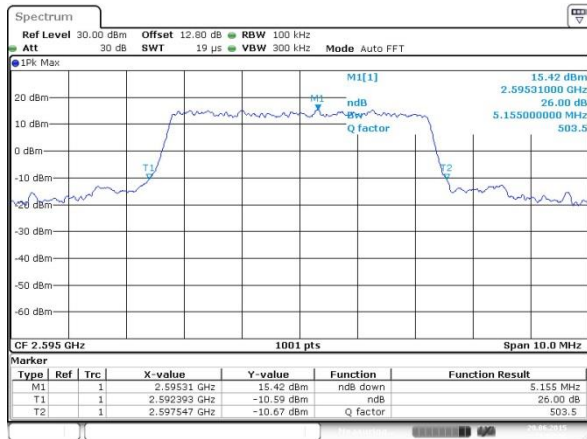
Lowest Channel / 5MHz / QPSK



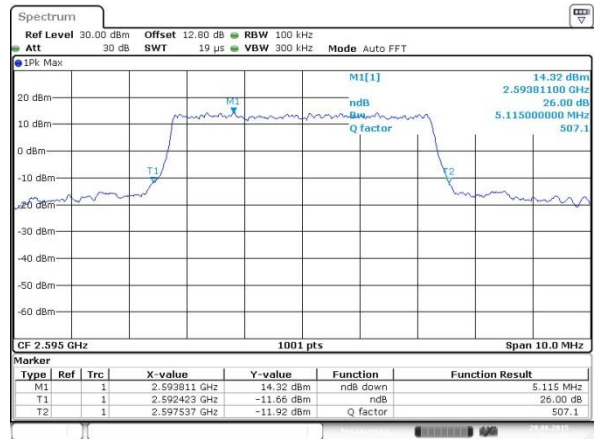
Lowest Channel / 5MHz / 16QAM



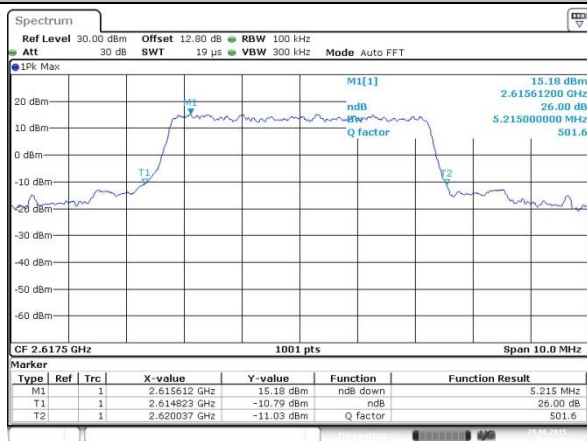
Middle Channel / 5MHz / QPSK



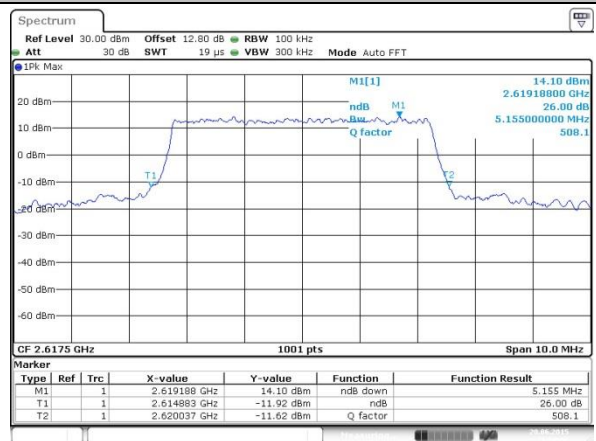
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



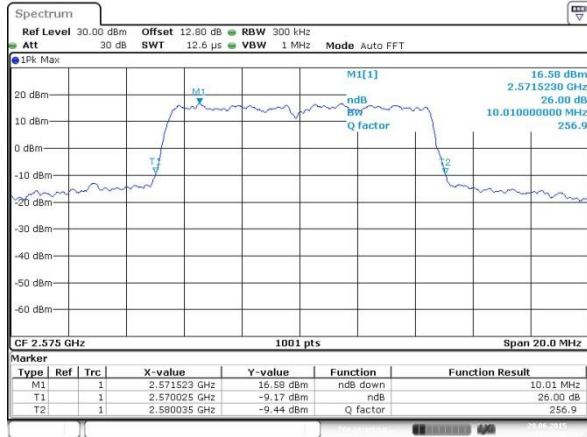
Highest Channel / 5MHz / 16QAM





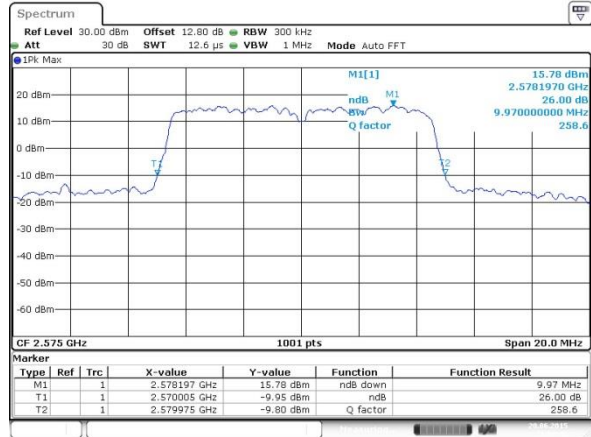
LTE Band 38

Lowest Channel / 10MHz / QPSK



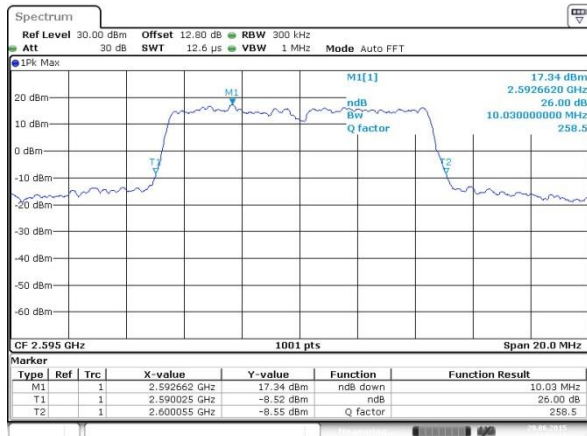
Date: 20 JUN 2015 11:59:31

Lowest Channel / 10MHz / 16QAM



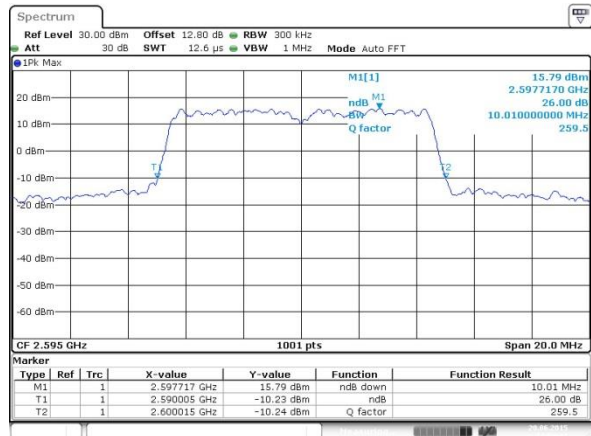
Date: 20 JUN 2015 11:59:44

Middle Channel / 10MHz / QPSK



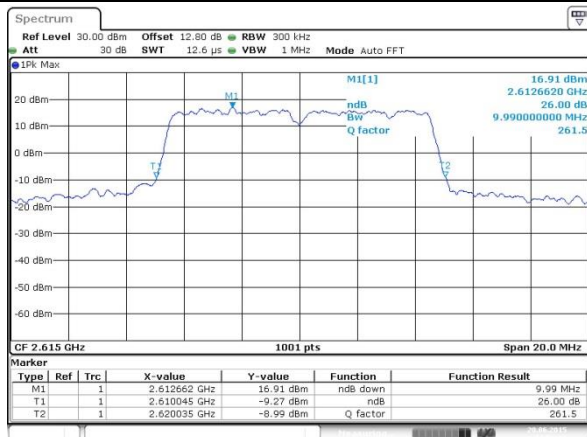
Date: 20 JUN 2015 12:00:18

Middle Channel / 10MHz / 16QAM



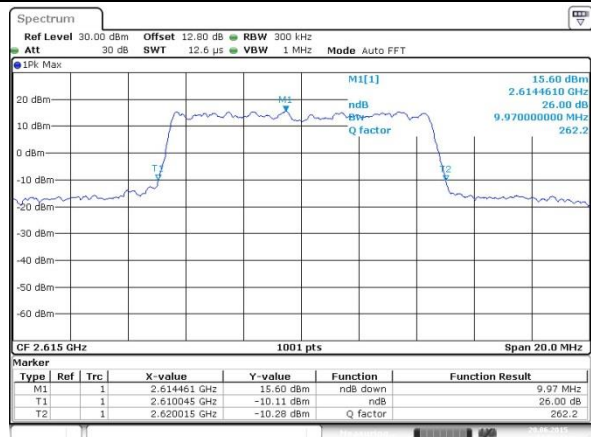
Date: 20 JUN 2015 12:00:31

Highest Channel / 10MHz / QPSK



Date: 20 JUN 2015 12:01:06

Highest Channel / 10MHz / 16QAM

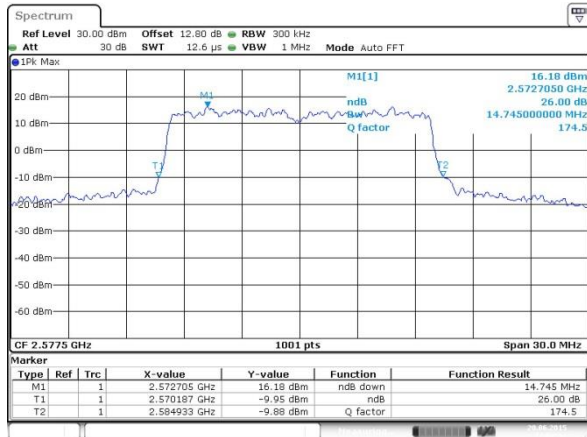


Date: 20 JUN 2015 12:01:19



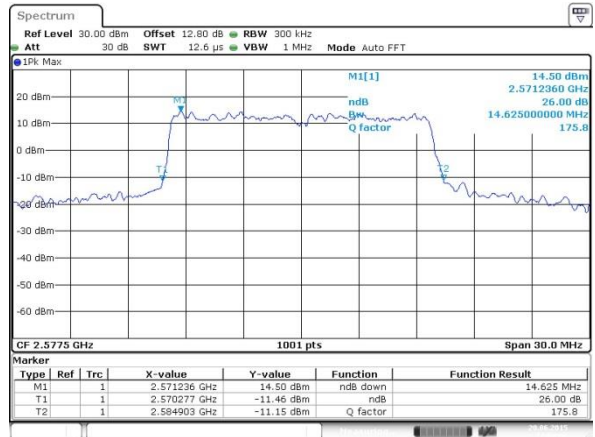
LTE Band 38

Lowest Channel / 15MHz / QPSK



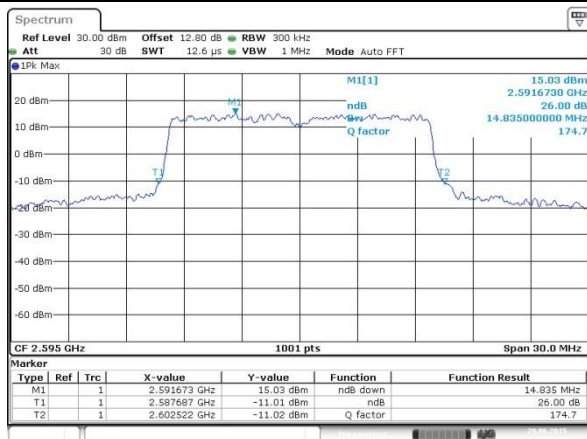
Date: 20 JUN 2015 12:01:53

Lowest Channel / 15MHz / 16QAM



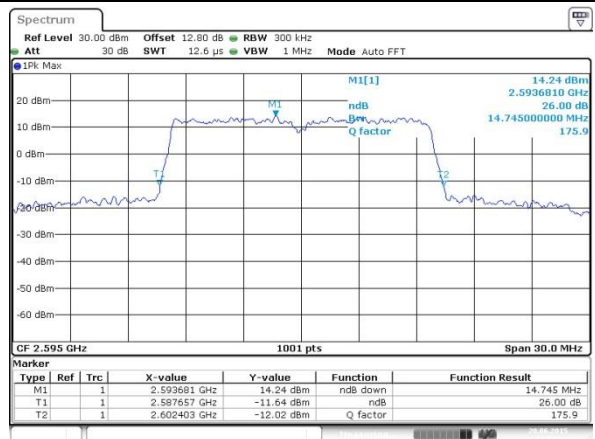
Date: 20 JUN 2015 12:02:06

Middle Channel / 15MHz / QPSK



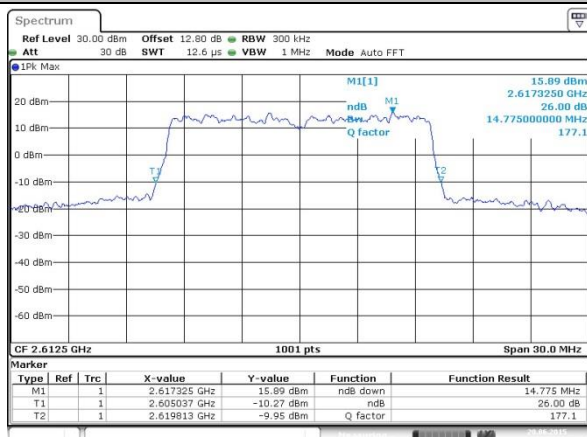
Date: 20 JUN 2015 12:02:41

Middle Channel / 15MHz / 16QAM



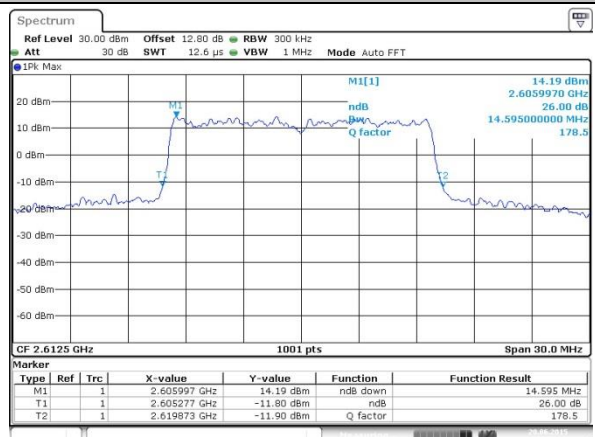
Date: 20 JUN 2015 12:02:54

Highest Channel / 15MHz / QPSK



Date: 20 JUN 2015 12:03:28

Highest Channel / 15MHz / 16QAM

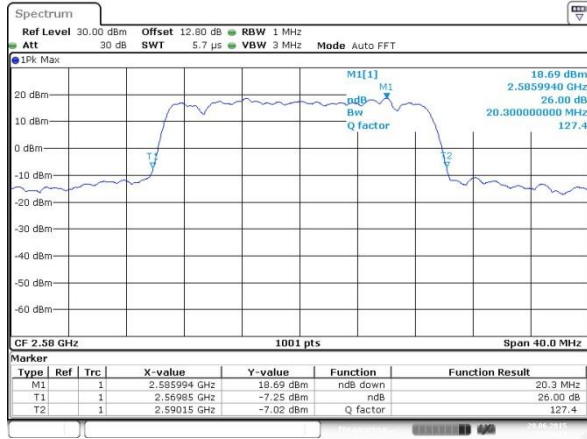


Date: 20 JUN 2015 12:03:41

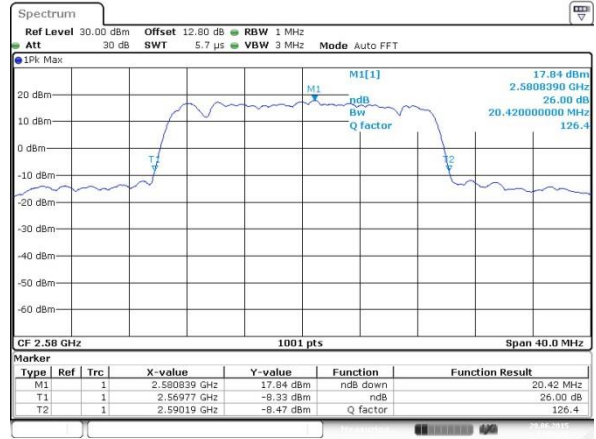


LTE Band 38

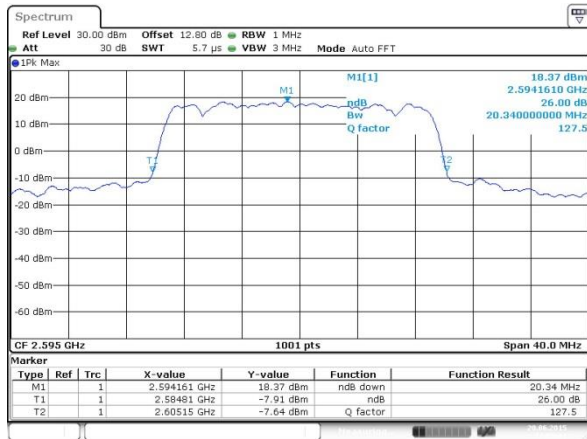
Lowest Channel / 20MHz / QPSK



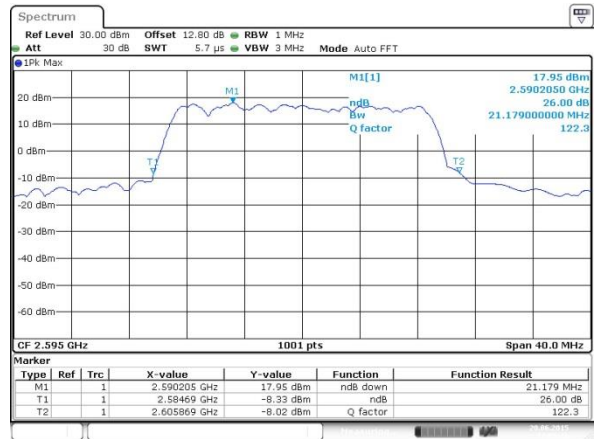
Lowest Channel / 20MHz / 16QAM



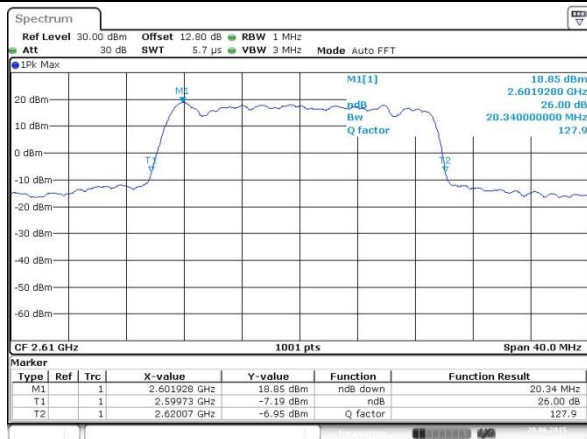
Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

