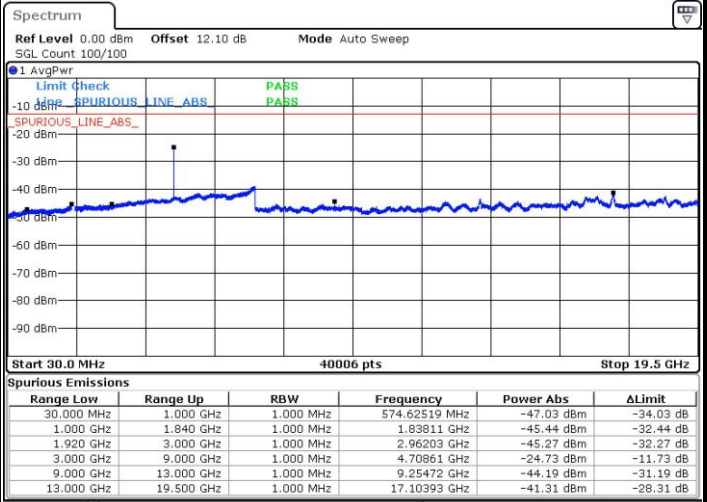
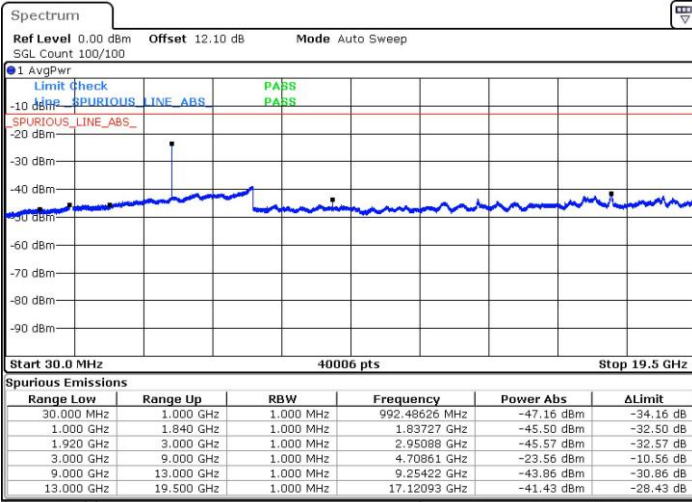




LTE Band 25 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

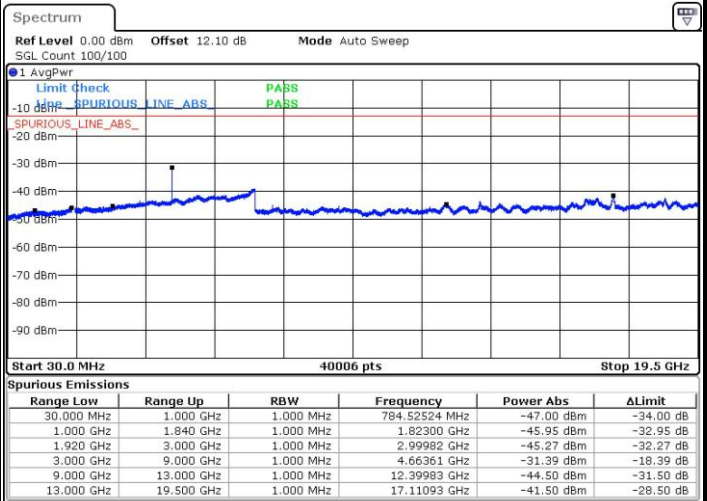
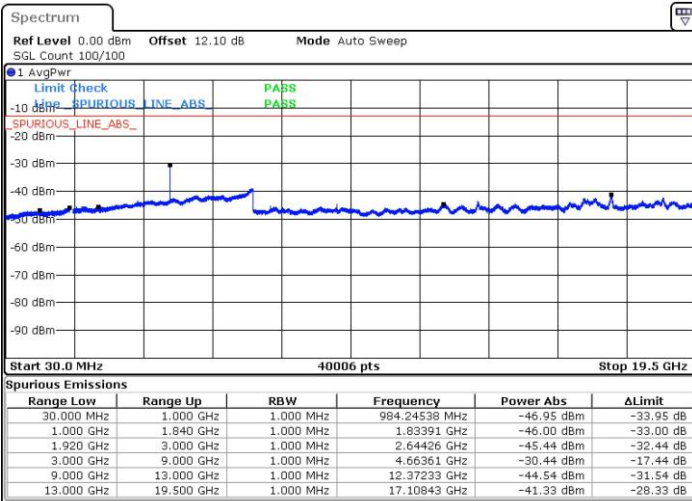


Date: 7.MAY.2016 13:42:49

Date: 7.MAY.2016 13:43:48

Middle Channel / QPSK

Middle Channel / 16QAM



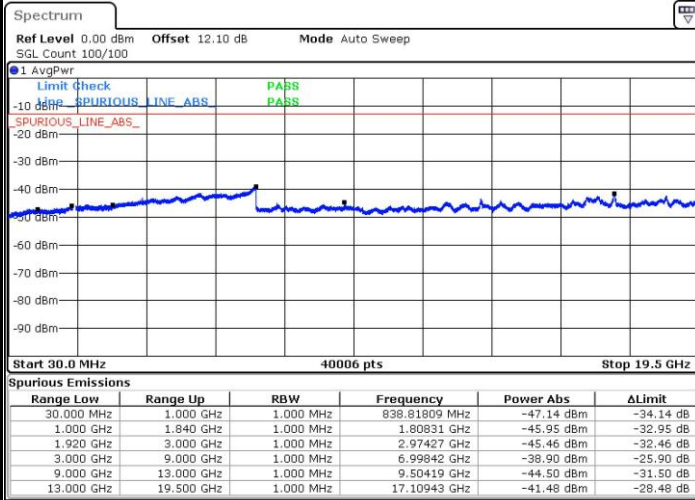
Date: 7.MAY.2016 13:51:23

Date: 7.MAY.2016 13:52:21



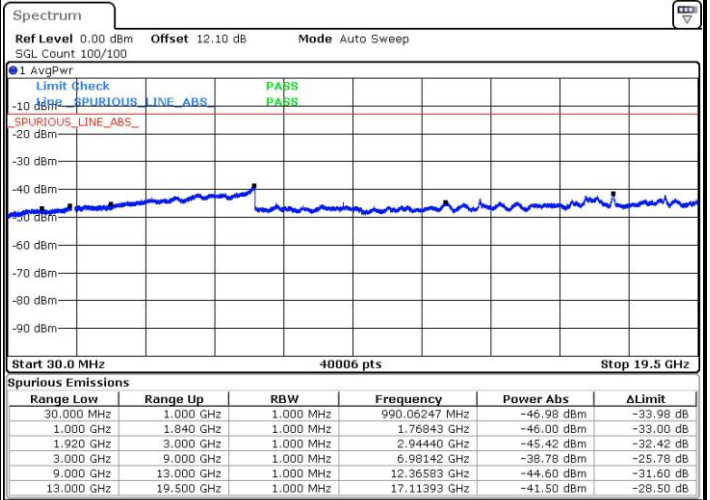
LTE Band 25 / 15MHz

Highest Channel / QPSK



Date: 7.MAY.2016 11:39:44

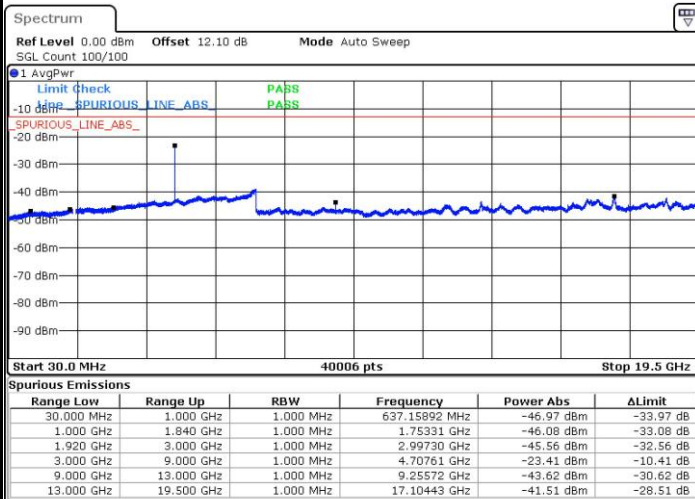
Highest Channel / 16QAM



Date: 7.MAY.2016 11:40:42

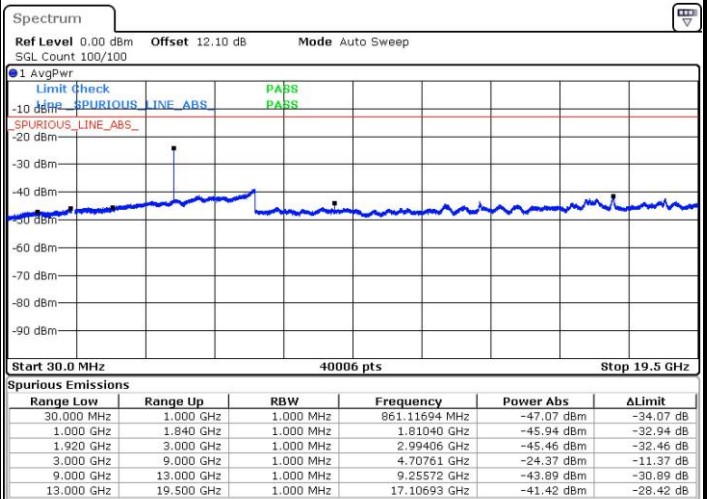
LTE Band 25 / 20MHz

Lowest Channel / QPSK



Date: 7.MAY.2016 13:58:45

Lowest Channel / 16QAM



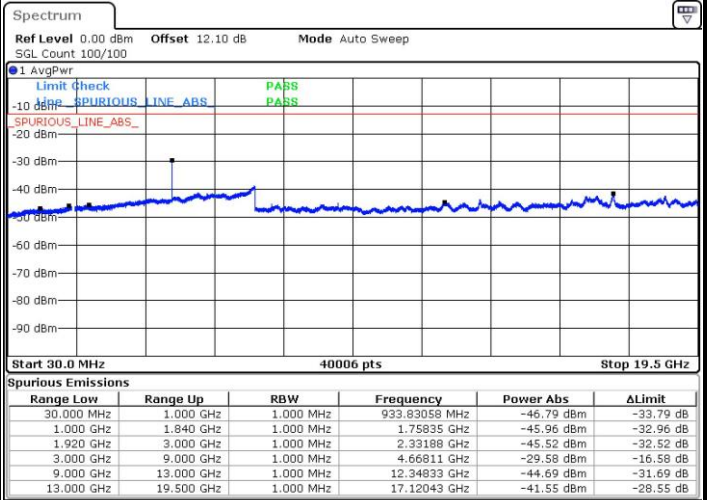
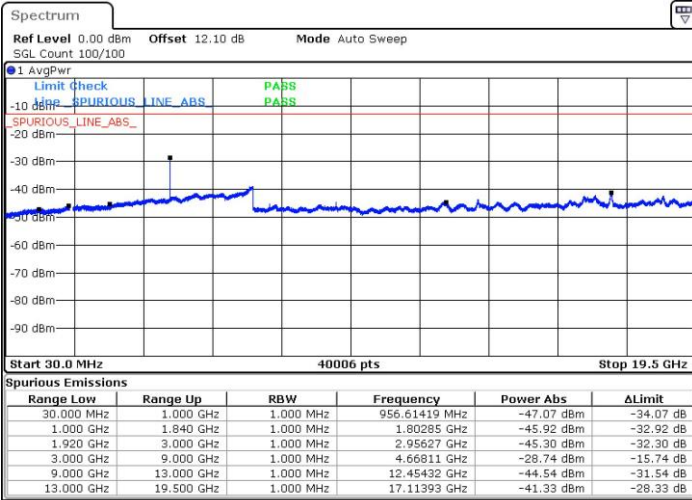
Date: 7.MAY.2016 13:59:44



LTE Band 25 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

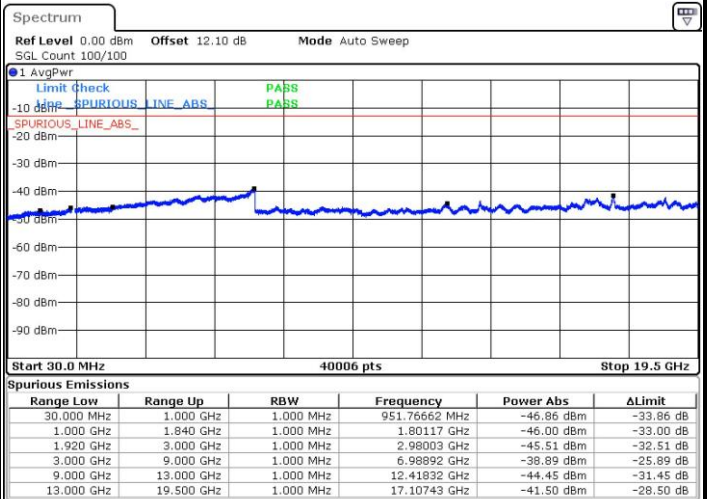
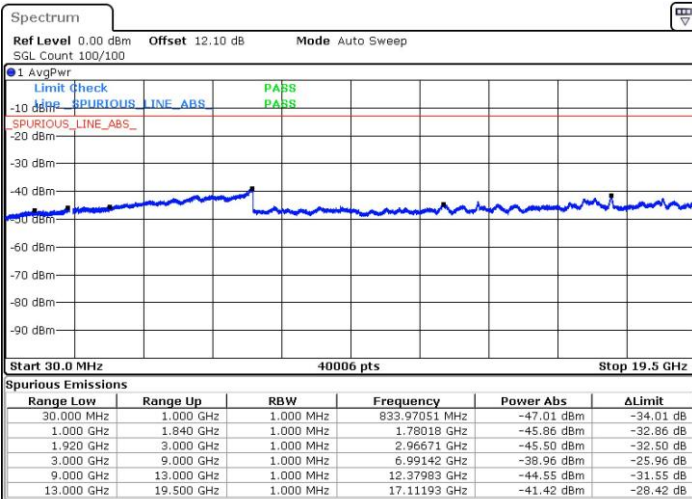


Date: 7.MAY.2016 14:03:33

Date: 7.MAY.2016 14:04:32

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 7.MAY.2016 11:47:09

Date: 7.MAY.2016 11:48:07



Frequency Stability

Test Conditions		LTE Band 25 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0078	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0085	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0094	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0081	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.35 V
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 38

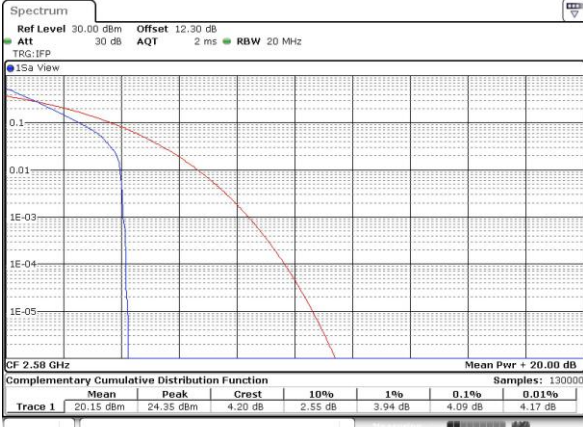
Peak-to-Average Ratio

Mode	LTE Band 38 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.09	4.55	4.75	5.48	PASS
Middle CH	4.06	4.64	5.13	5.62	
Highest CH	4.32	4.72	5.28	5.65	



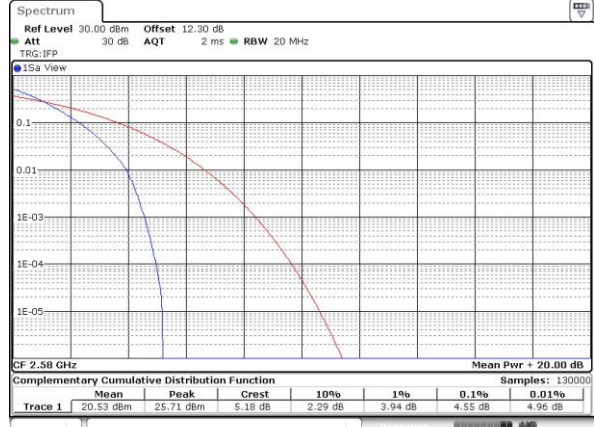
LTE Band 38 / 20MHz / QPSK

Lowest Channel / 1RB



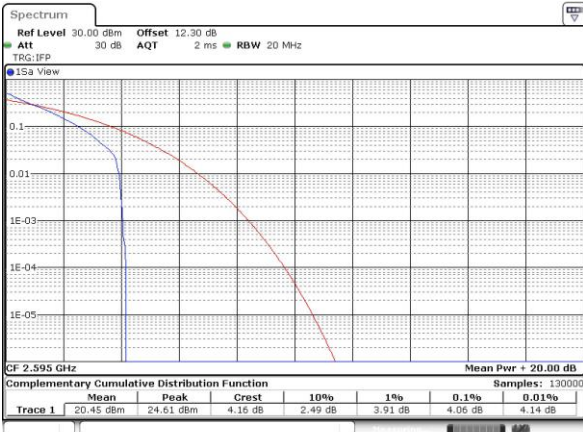
Date: 13.MAY.2016 15:46:27

Lowest Channel / Full RB



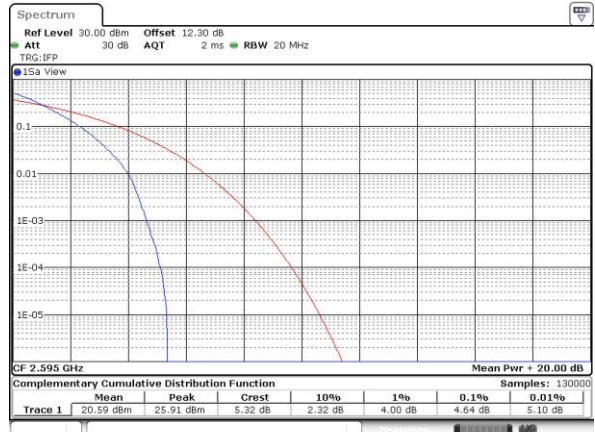
Date: 13.MAY.2016 15:46:43

Middle Channel / 1RB



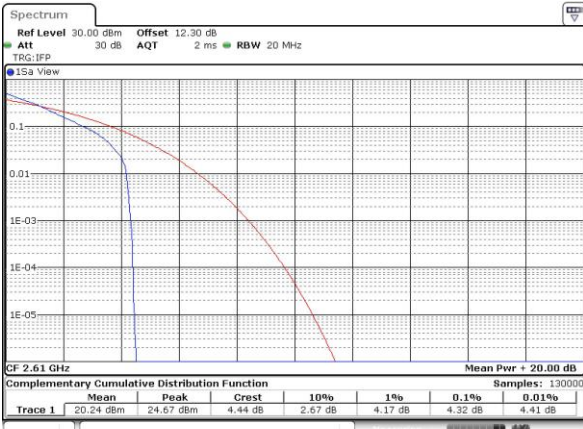
Date: 13.MAY.2016 15:47:00

Middle Channel / Full RB



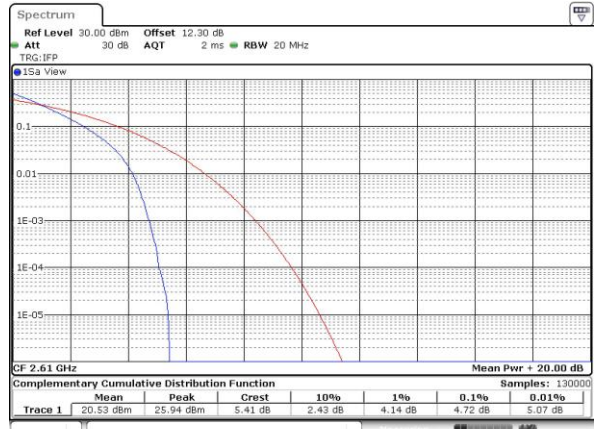
Date: 13.MAY.2016 15:53:36

Highest Channel / 1RB



Date: 13.MAY.2016 15:47:31

Highest Channel / Full RB

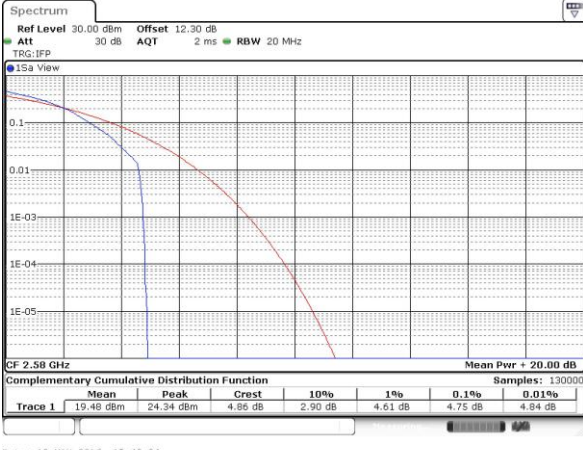


Date: 13.MAY.2016 15:48:19



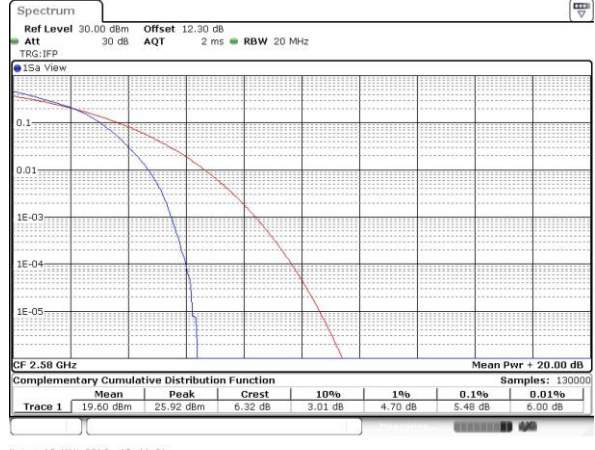
LTE Band 38 / 20MHz / 16QAM

Lowest Channel / 1RB



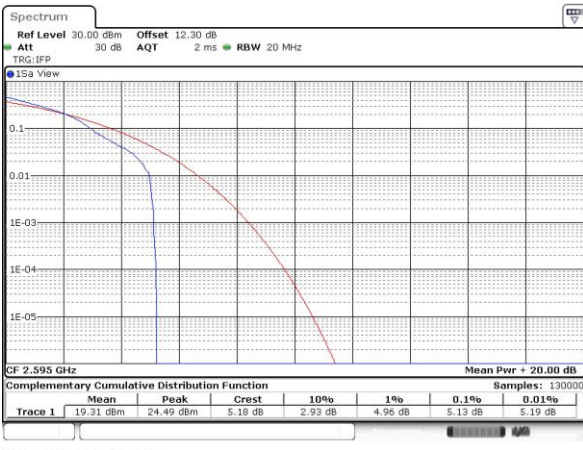
Date: 13.MAY.2016 15:43:14

Lowest Channel / Full RB



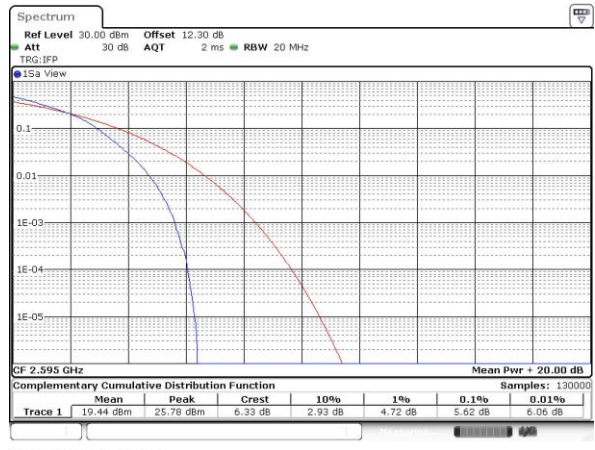
Date: 13.MAY.2016 15:44:01

Middle Channel / 1RB



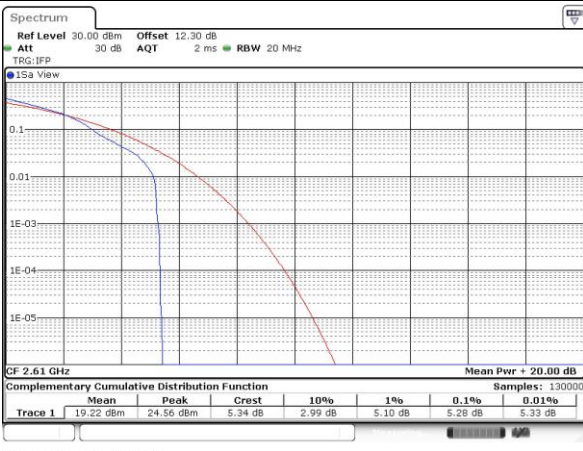
Date: 13.MAY.2016 15:44:09

Middle Channel / Full RB



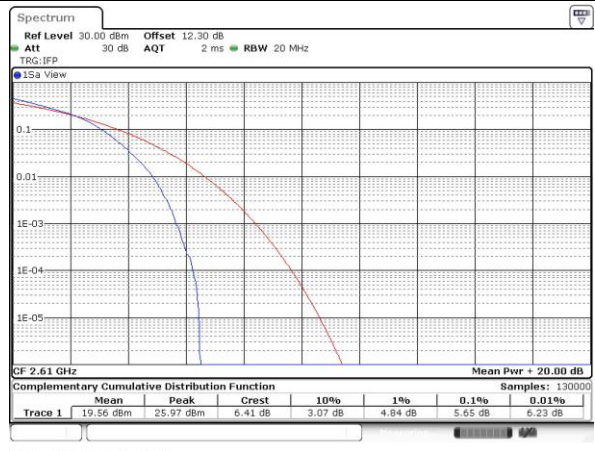
Date: 13.MAY.2016 15:44:19

Highest Channel / 1RB



Date: 13.MAY.2016 15:45:45

Highest Channel / Full RB



Date: 13.MAY.2016 15:46:06



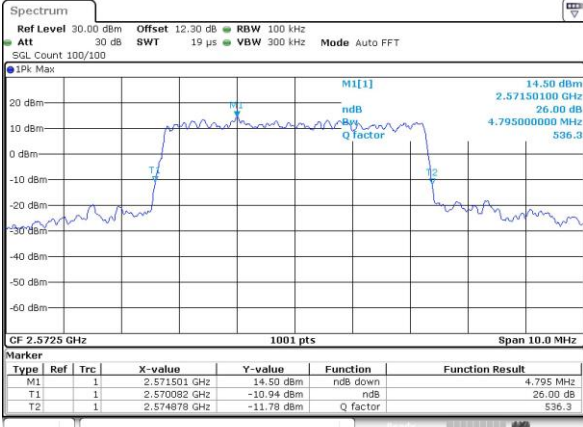
26dB Bandwidth

Mode	LTE Band 38 : 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	-	-	-	-	4.80	4.83	9.75	9.67	14.42	14.54	20.18	20.34
Middle CH	-	-	-	-	4.96	4.87	9.77	9.67	14.12	14.39	20.26	20.26
Highest CH	-	-	-	-	4.89	4.88	9.73	9.65	14.57	14.21	20.10	20.10



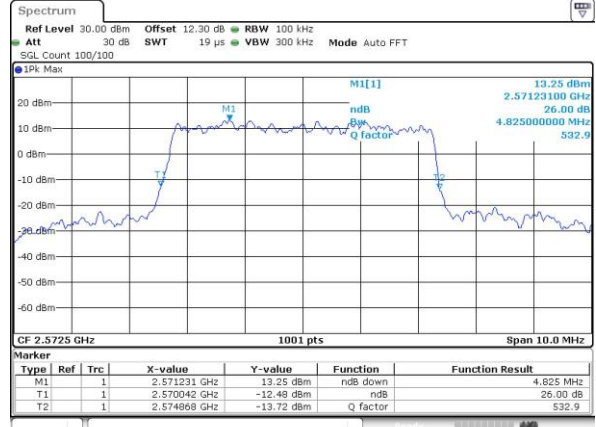
LTE Band 38

Lowest Channel / 5MHz / QPSK



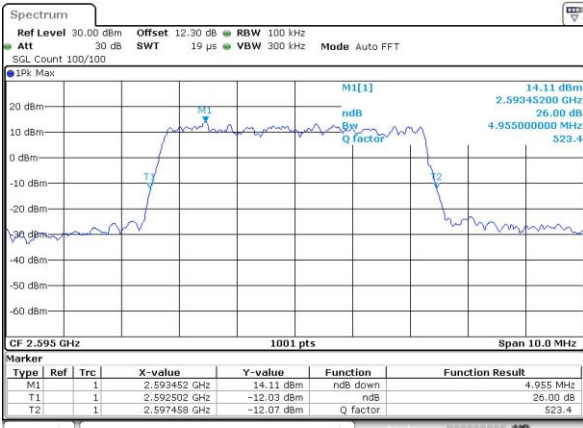
Date: 13.MAY.2016 14:14:10

Lowest Channel / 5MHz / 16QAM



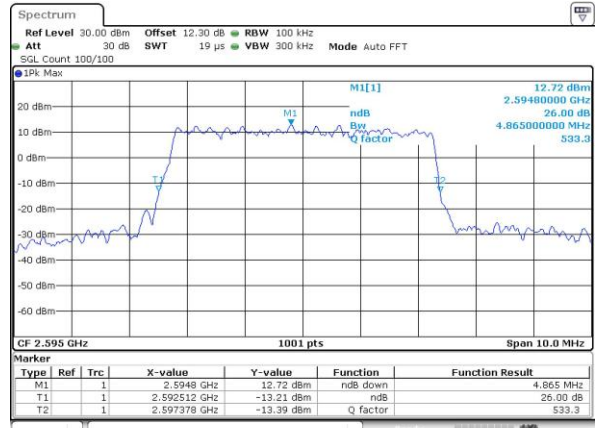
Date: 13.MAY.2016 14:14:22

Middle Channel / 5MHz / QPSK



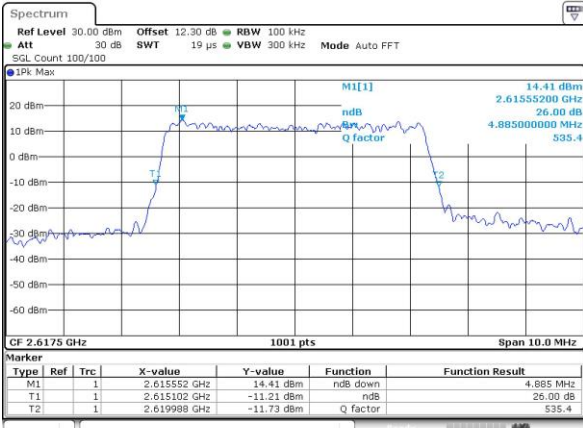
Date: 13.MAY.2016 14:21:43

Middle Channel / 5MHz / 16QAM



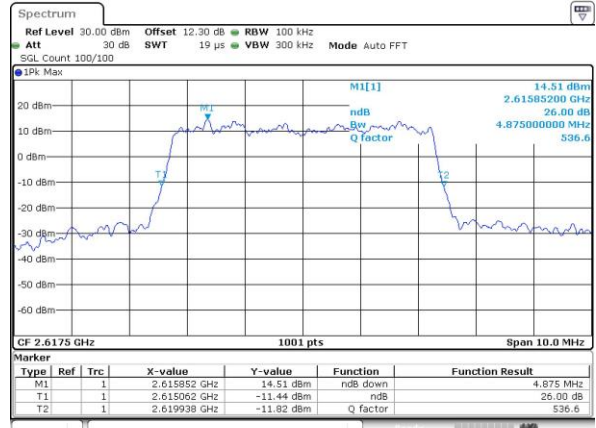
Date: 13.MAY.2016 14:21:54

Highest Channel / 5MHz / QPSK



Date: 13.MAY.2016 14:24:35

Highest Channel / 5MHz / 16QAM

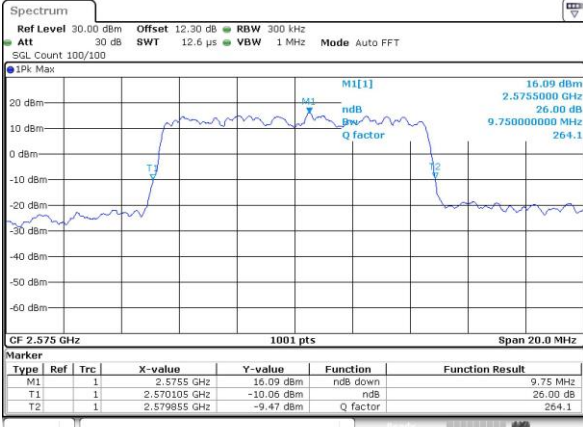


Date: 13.MAY.2016 14:24:47



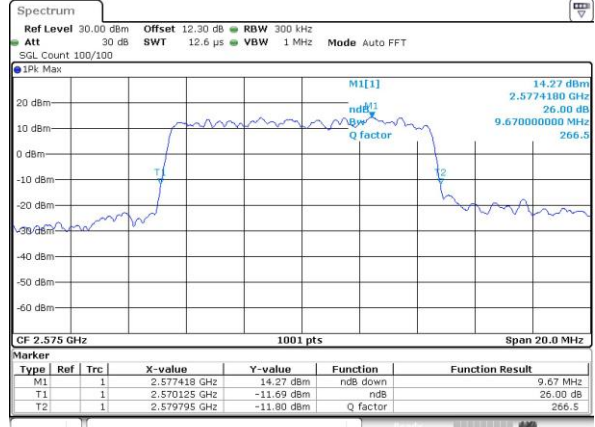
LTE Band 38

Lowest Channel / 10MHz / QPSK



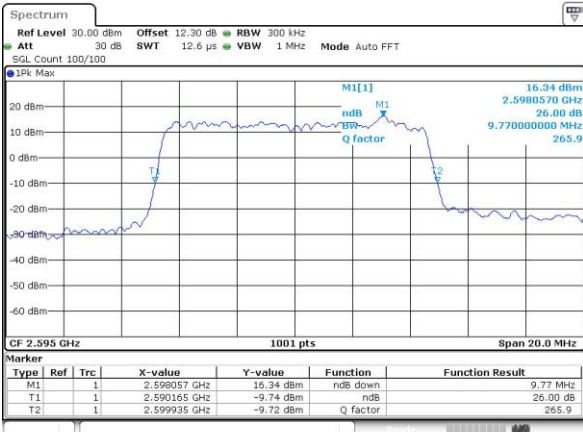
Date: 13.MAY.2016 14:32:12

Lowest Channel / 10MHz / 16QAM



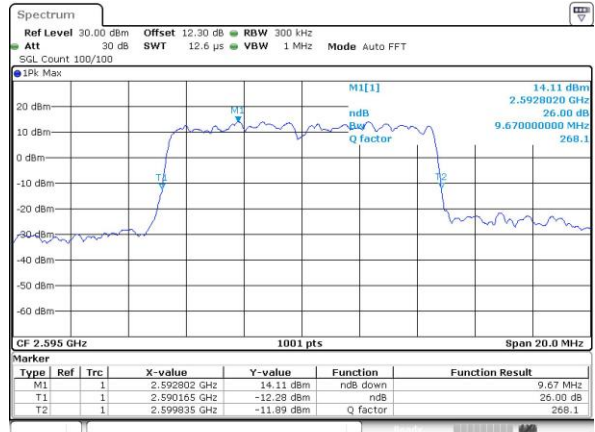
Date: 13.MAY.2016 14:32:24

Middle Channel / 10MHz / QPSK



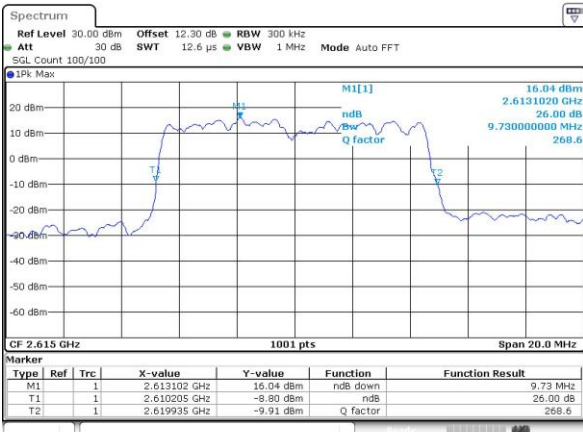
Date: 13.MAY.2016 14:39:45

Middle Channel / 10MHz / 16QAM



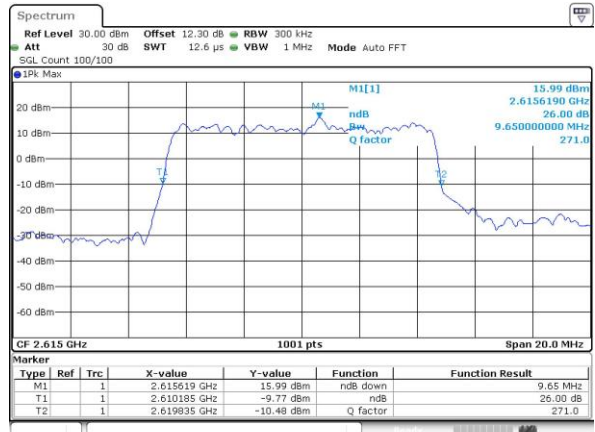
Date: 13.MAY.2016 14:39:57

Highest Channel / 10MHz / QPSK



Date: 13.MAY.2016 14:42:38

Highest Channel / 10MHz / 16QAM

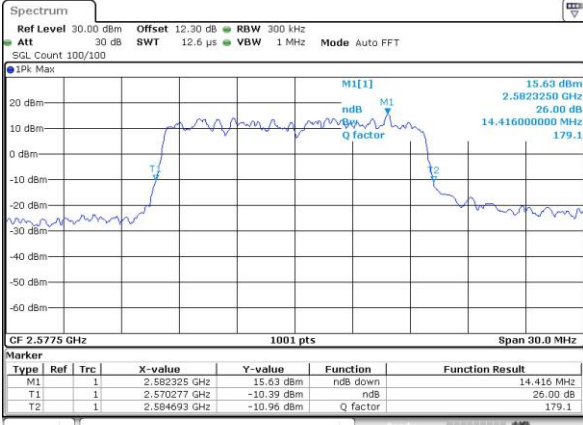


Date: 13.MAY.2016 14:42:49



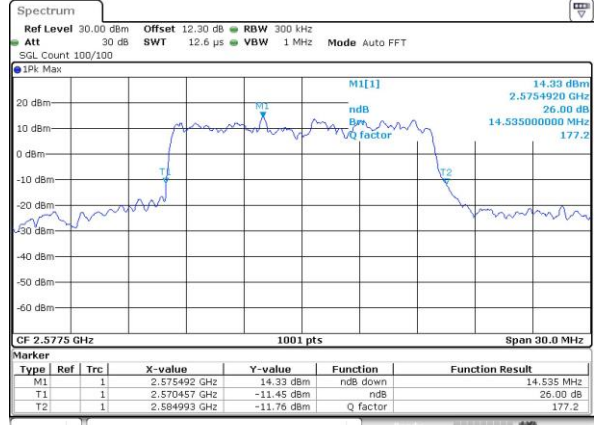
LTE Band 38

Lowest Channel / 15MHz / QPSK



Date: 13.MAY.2016 14:50:15

Lowest Channel / 15MHz / 16QAM



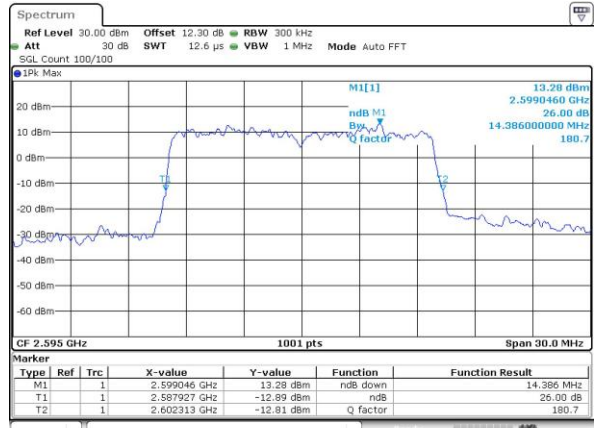
Date: 13.MAY.2016 14:50:26

Middle Channel / 15MHz / QPSK



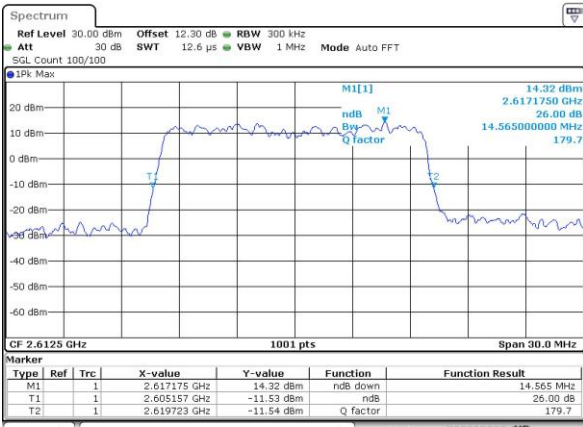
Date: 13.MAY.2016 14:57:47

Middle Channel / 15MHz / 16QAM



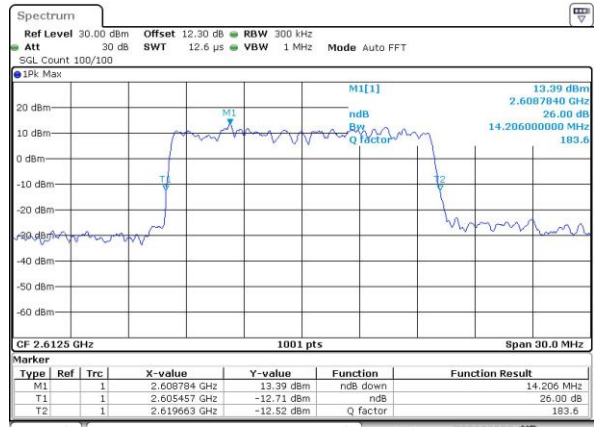
Date: 13.MAY.2016 14:57:59

Highest Channel / 15MHz / QPSK



Date: 13.MAY.2016 15:00:40

Highest Channel / 15MHz / 16QAM

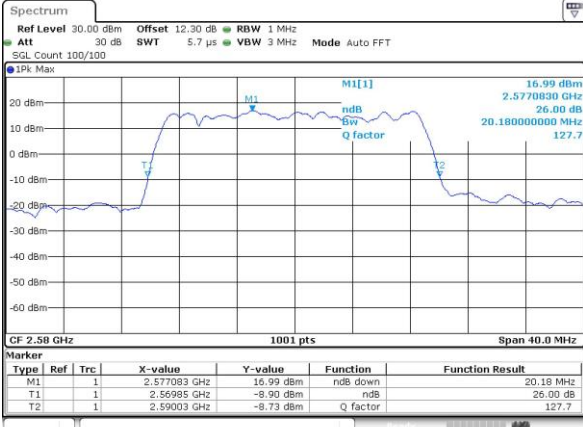


Date: 13.MAY.2016 15:00:52



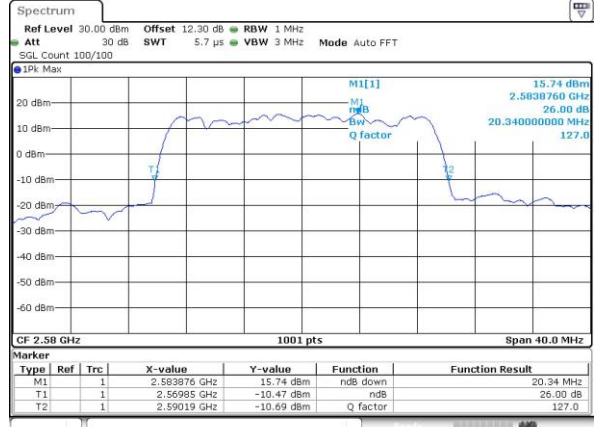
LTE Band 38

Lowest Channel / 20MHz / QPSK



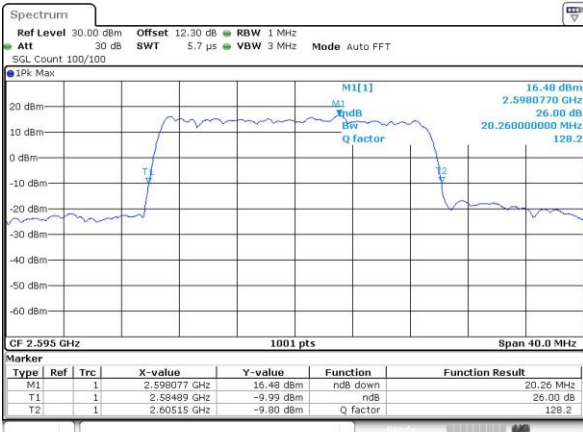
Date: 13.MAY.2016 15:08:17

Lowest Channel / 20MHz / 16QAM



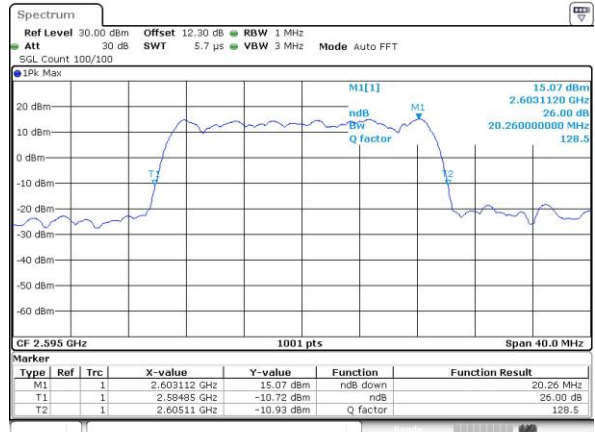
Date: 13.MAY.2016 15:08:29

Middle Channel / 20MHz / QPSK



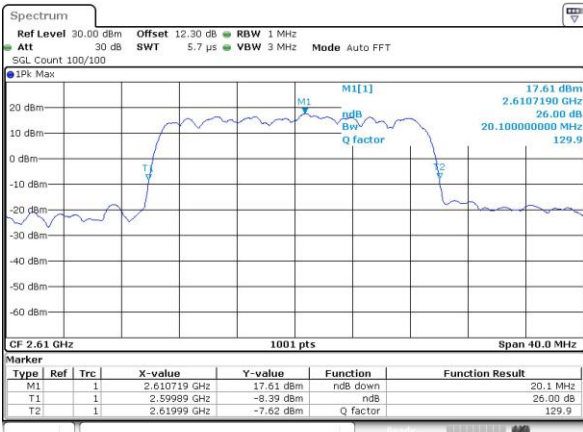
Date: 13.MAY.2016 15:15:51

Middle Channel / 20MHz / 16QAM



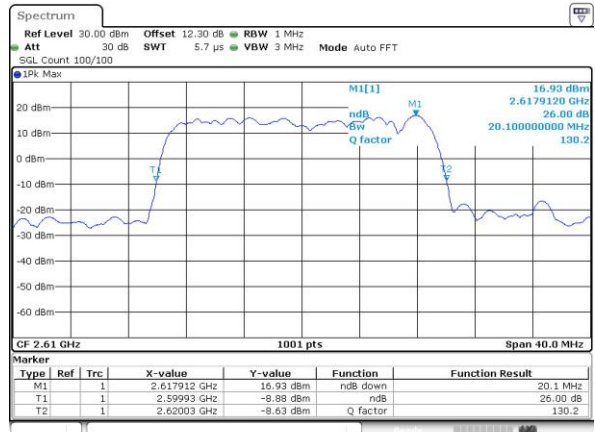
Date: 13.MAY.2016 15:16:02

Highest Channel / 20MHz / QPSK



Date: 13.MAY.2016 15:18:43

Highest Channel / 20MHz / 16QAM



Date: 13.MAY.2016 15:18:55



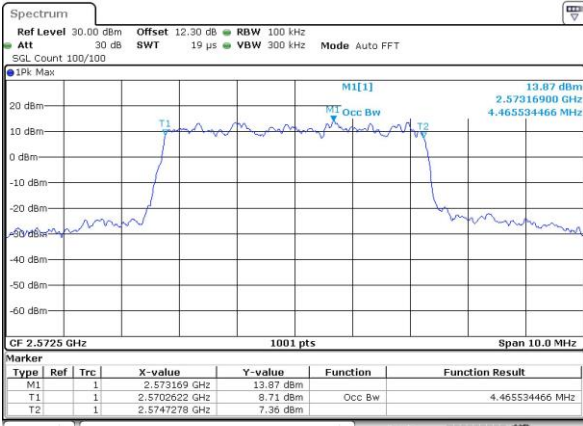
Occupied Bandwidth

Mode	LTE Band 38 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.47	4.51	8.97	9.01	13.46	13.43	17.98	18.34
Middle CH	-	-	-	-	4.48	4.49	9.03	9.01	13.43	13.46	18.22	18.62
Highest CH	-	-	-	-	4.47	4.50	9.07	9.01	13.49	13.37	18.38	18.34



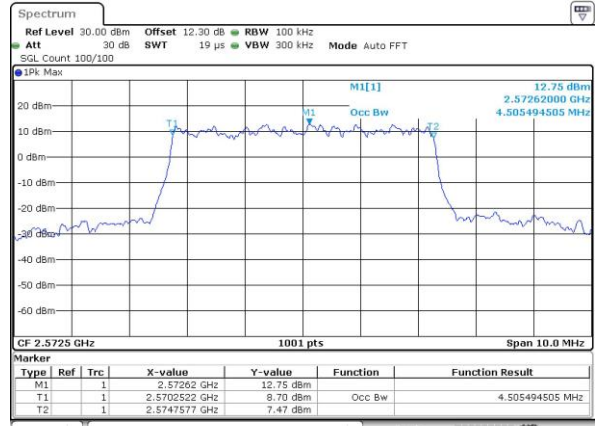
LTE Band 38

Lowest Channel / 5MHz / QPSK



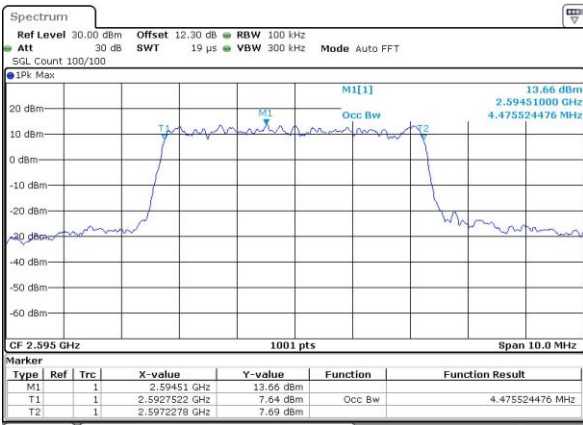
Date: 13.MAY.2016 14:13:46

Lowest Channel / 5MHz / 16QAM



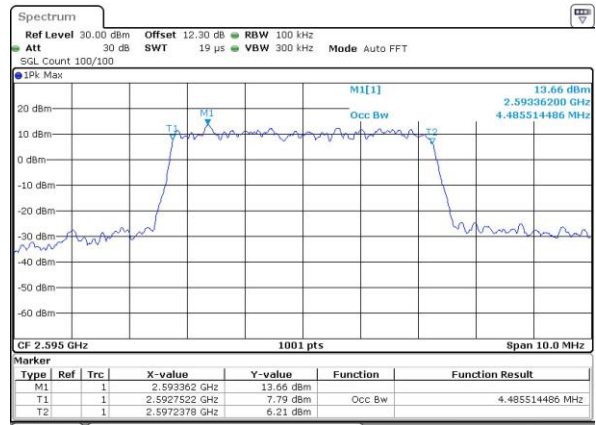
Date: 13.MAY.2016 14:13:58

Middle Channel / 5MHz / QPSK



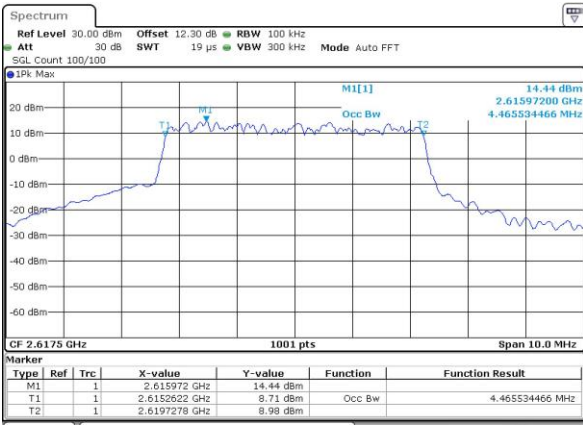
Date: 13.MAY.2016 14:21:19

Middle Channel / 5MHz / 16QAM



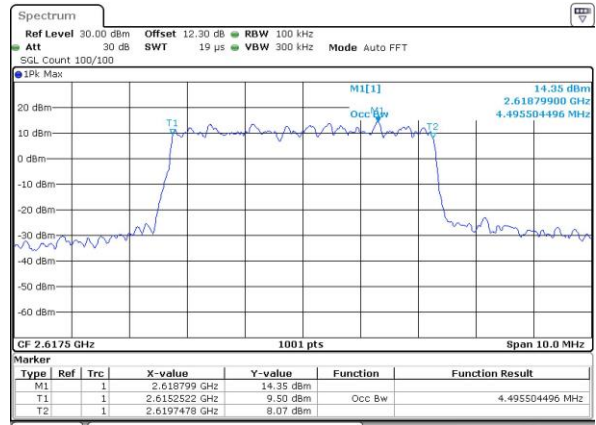
Date: 13.MAY.2016 14:21:31

Highest Channel / 5MHz / QPSK



Date: 13.MAY.2016 14:24:12

Highest Channel / 5MHz / 16QAM

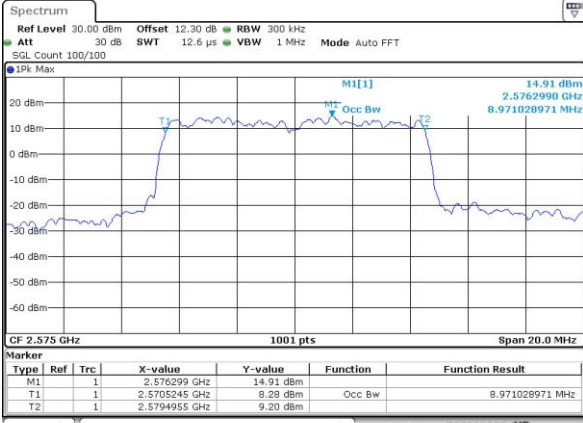


Date: 13.MAY.2016 14:24:24



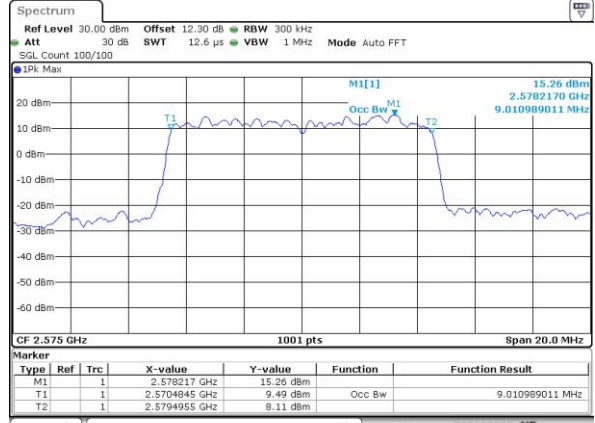
LTE Band 38

Lowest Channel / 10MHz / QPSK



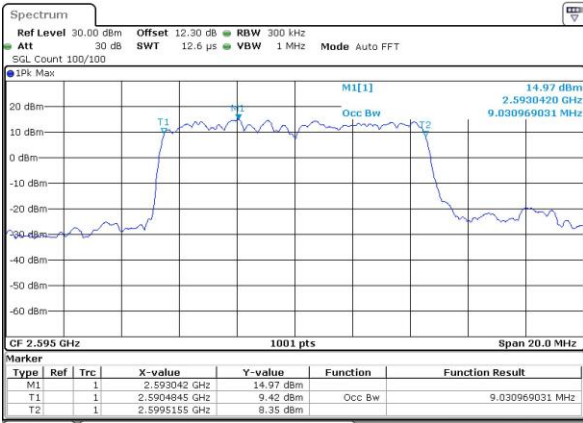
Date: 13.MAY.2016 14:31:49

Lowest Channel / 10MHz / 16QAM



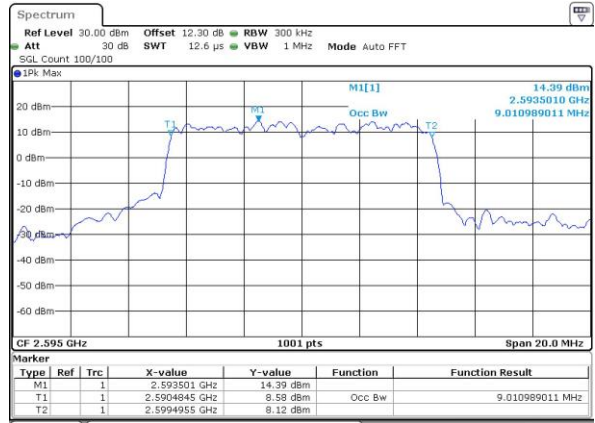
Date: 13.MAY.2016 14:32:00

Middle Channel / 10MHz / QPSK



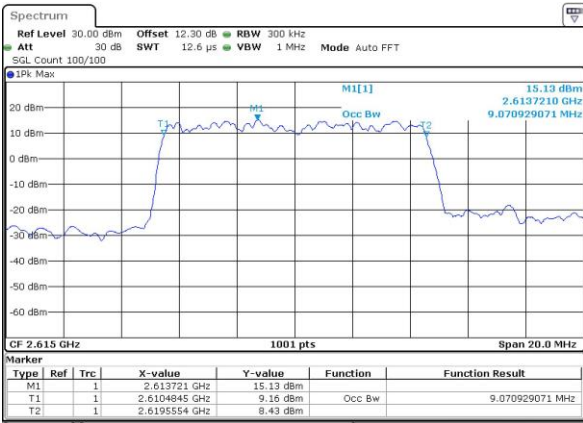
Date: 13.MAY.2016 14:39:21

Middle Channel / 10MHz / 16QAM



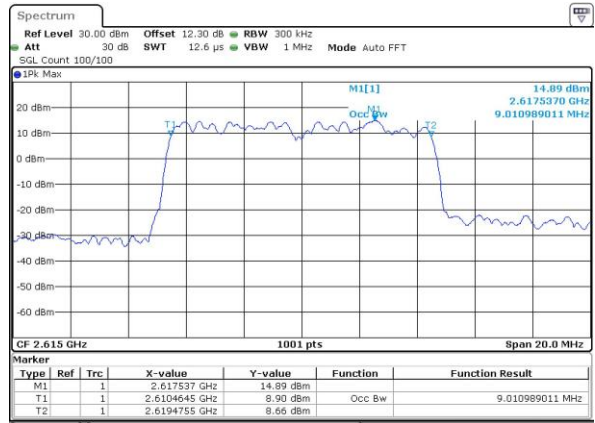
Date: 13.MAY.2016 14:39:33

Highest Channel / 10MHz / QPSK



Date: 13.MAY.2016 14:42:14

Highest Channel / 10MHz / 16QAM

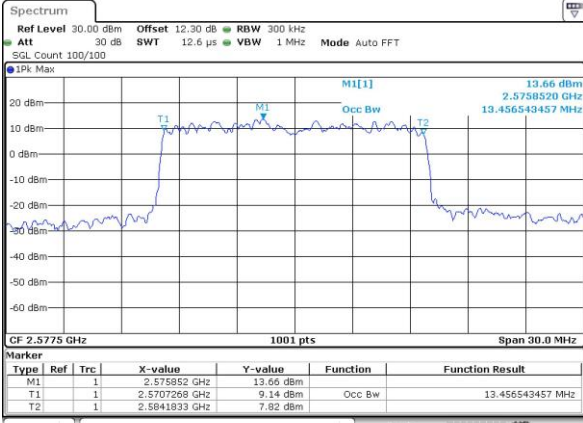


Date: 13.MAY.2016 14:42:26



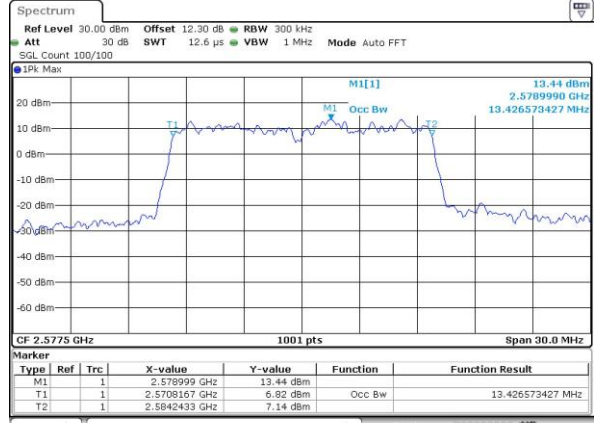
LTE Band 38

Lowest Channel / 15MHz / QPSK



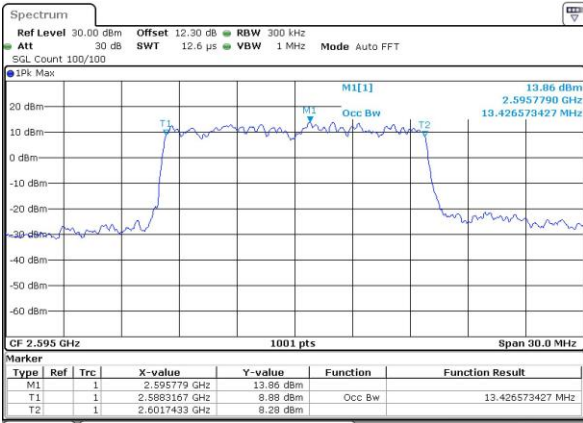
Date: 13.MAY.2016 14:49:51

Lowest Channel / 15MHz / 16QAM



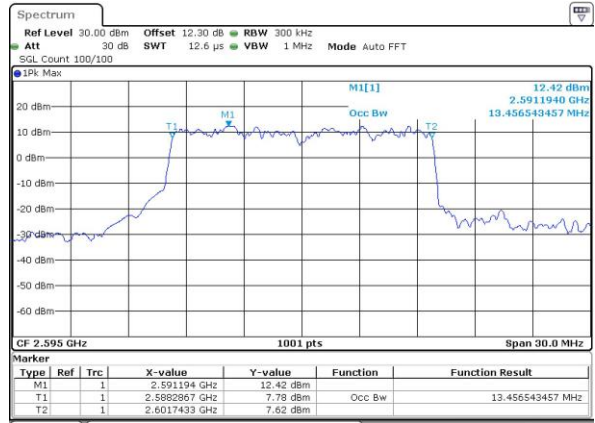
Date: 13.MAY.2016 14:50:03

Middle Channel / 15MHz / QPSK



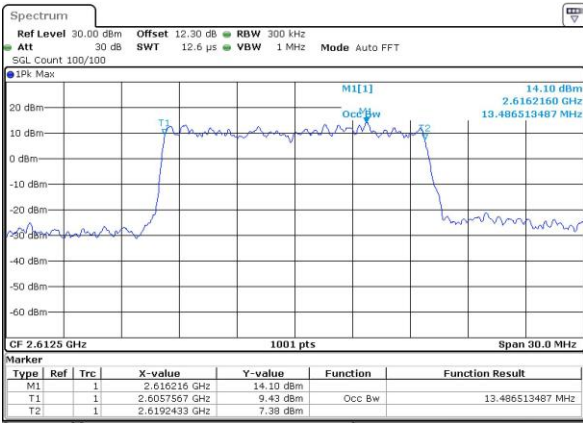
Date: 13.MAY.2016 14:57:24

Middle Channel / 15MHz / 16QAM



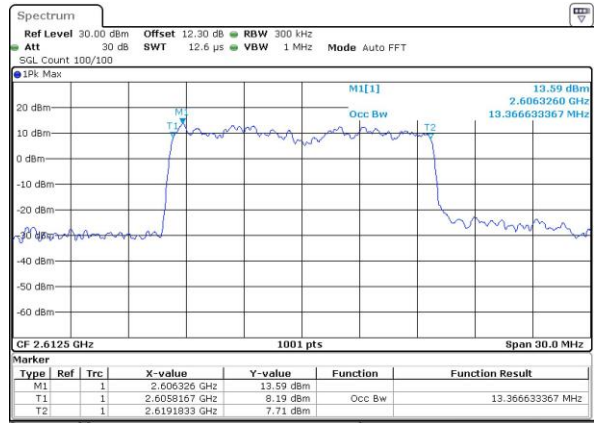
Date: 13.MAY.2016 14:57:35

Highest Channel / 15MHz / QPSK



Date: 13.MAY.2016 15:00:17

Highest Channel / 15MHz / 16QAM

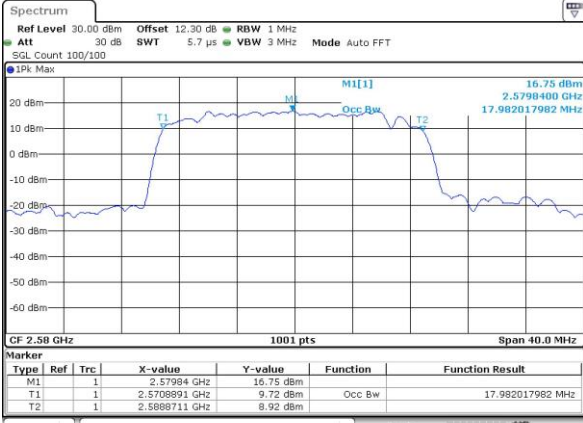


Date: 13.MAY.2016 15:00:28



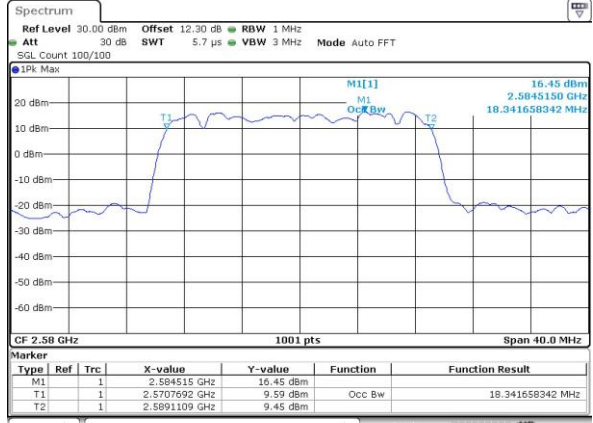
LTE Band 38

Lowest Channel / 20MHz / QPSK



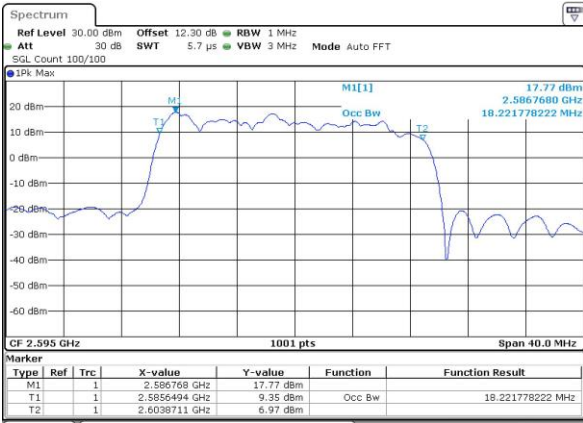
Date: 13.MAY.2016 15:07:54

Lowest Channel / 20MHz / 16QAM



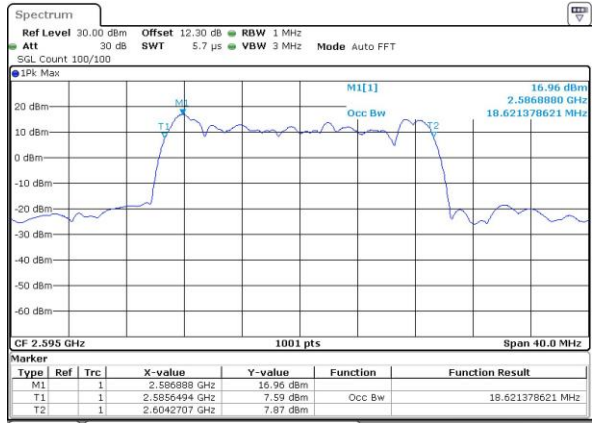
Date: 13.MAY.2016 15:08:05

Middle Channel / 20MHz / QPSK



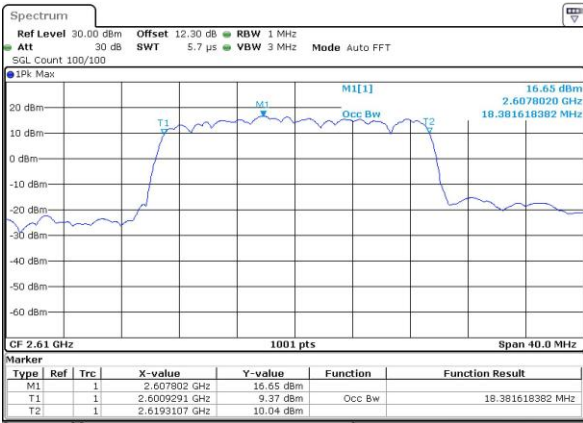
Date: 13.MAY.2016 15:15:27

Middle Channel / 20MHz / 16QAM



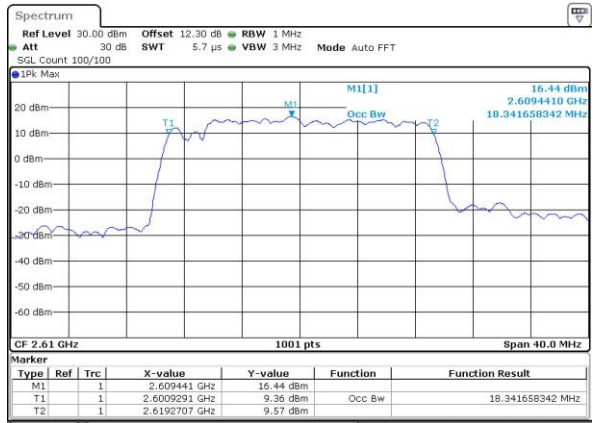
Date: 13.MAY.2016 15:15:39

Highest Channel / 20MHz / QPSK



Date: 13.MAY.2016 15:18:20

Highest Channel / 20MHz / 16QAM



Date: 13.MAY.2016 15:18:32