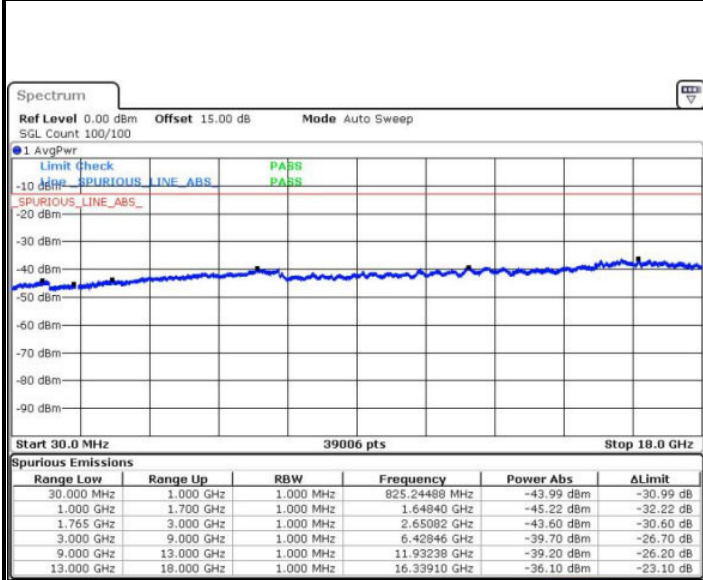




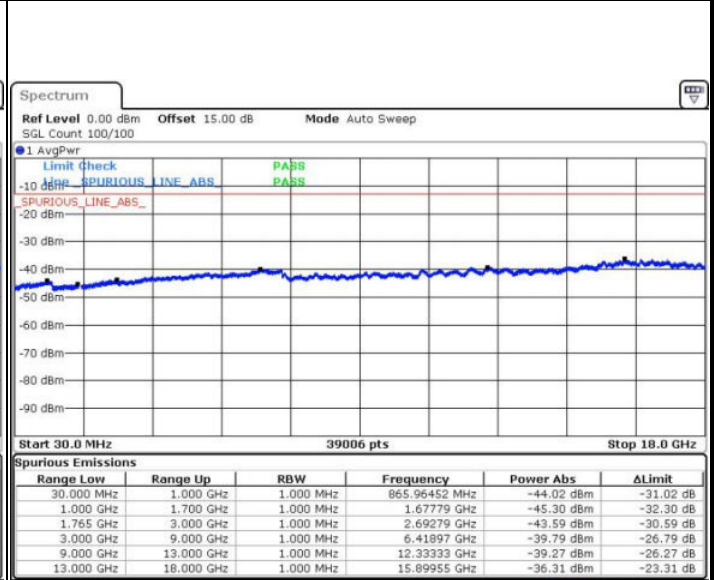
LTE Band 4 / 5MHz

Highest Channel / QPSK



Date: 18 JUN 2016 12:38:15

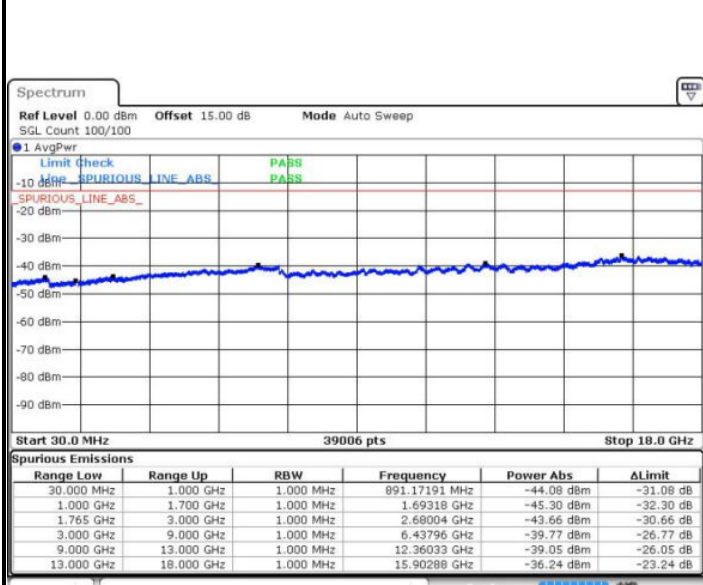
Highest Channel / 16QAM



Date: 18 JUN 2016 12:38:11

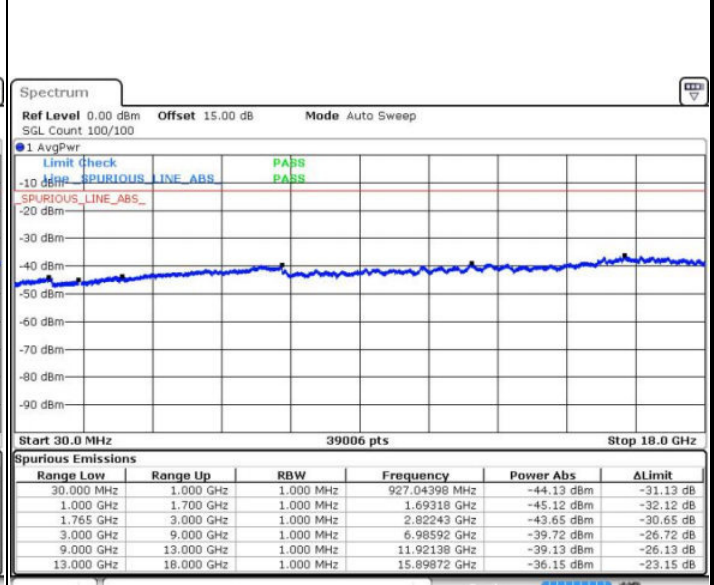
LTE Band 4 / 10MHz

Lowest Channel / QPSK



Date: 18 JUN 2016 12:45:22

Lowest Channel / 16QAM

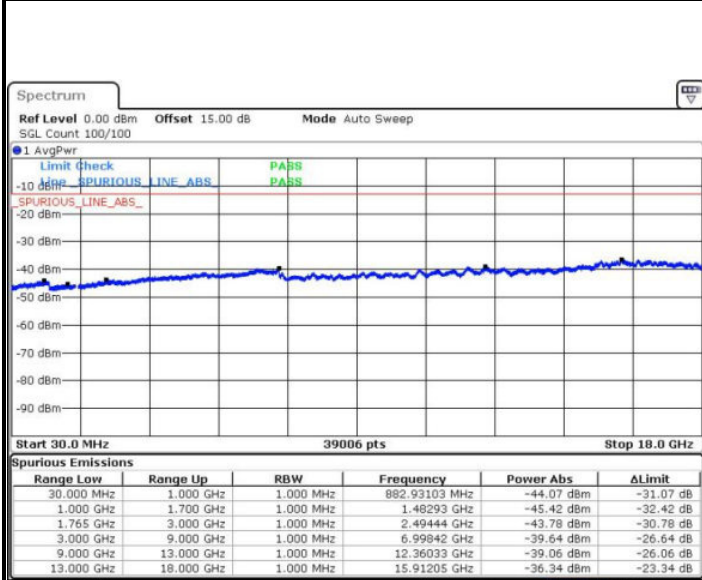


Date: 18 JUN 2016 12:46:18



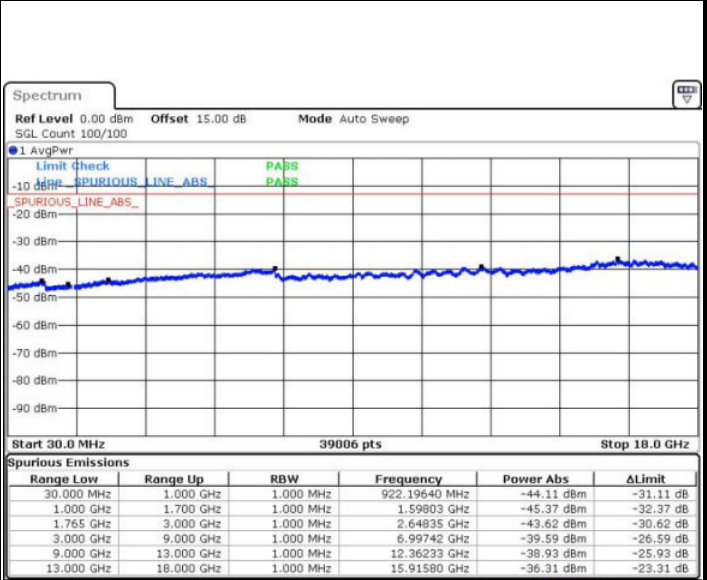
LTE Band 4 / 10MHz

Middle Channel / QPSK



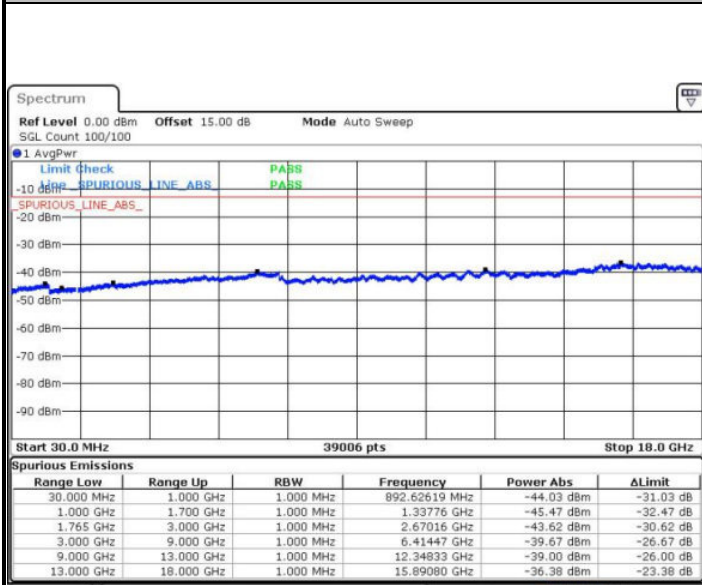
Date: 18 JUN 2016 12:49:57

Middle Channel / 16QAM



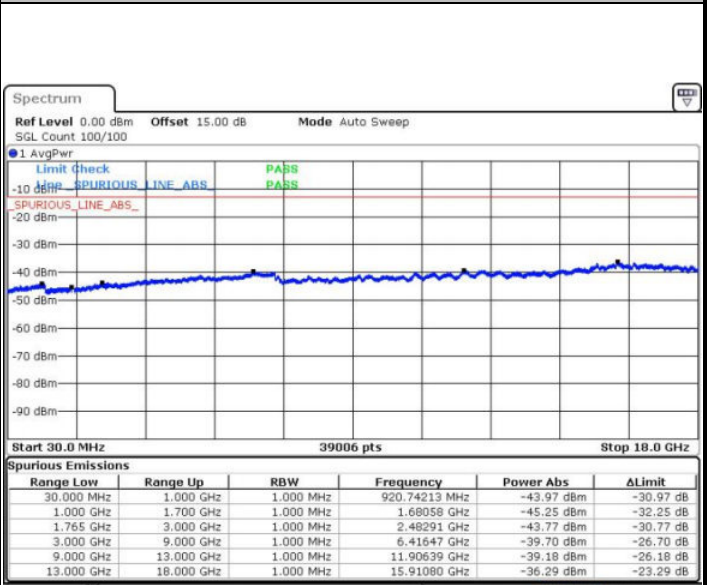
Date: 18 JUN 2016 12:50:52

Highest Channel / QPSK



Date: 18 JUN 2016 12:57:04

Highest Channel / 16QAM



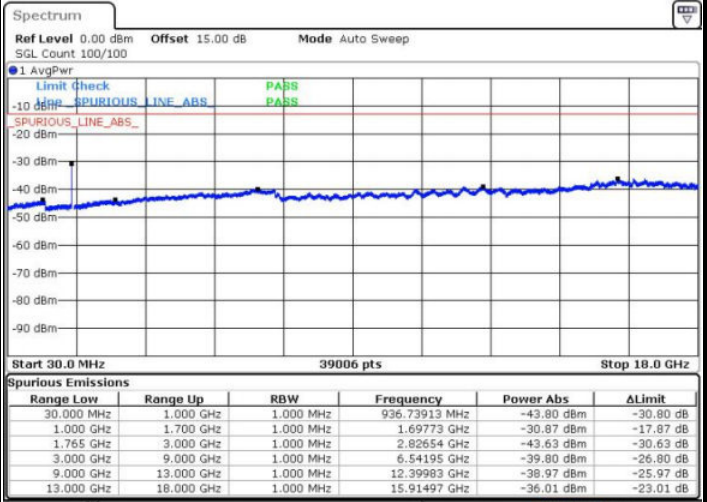
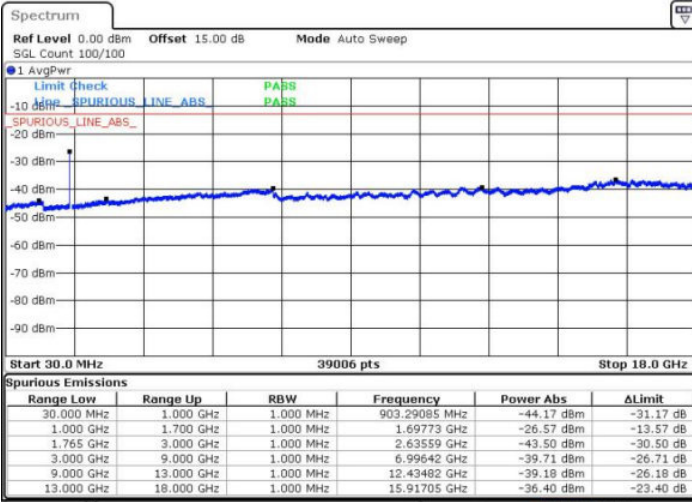
Date: 18 JUN 2016 12:58:00



LTE Band 4 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

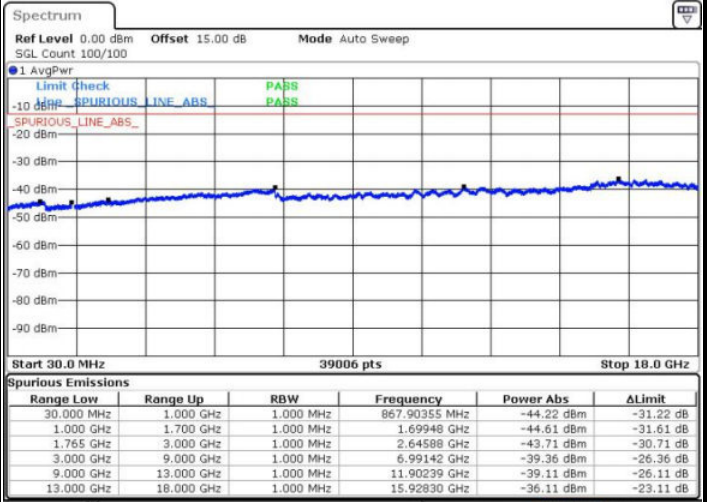
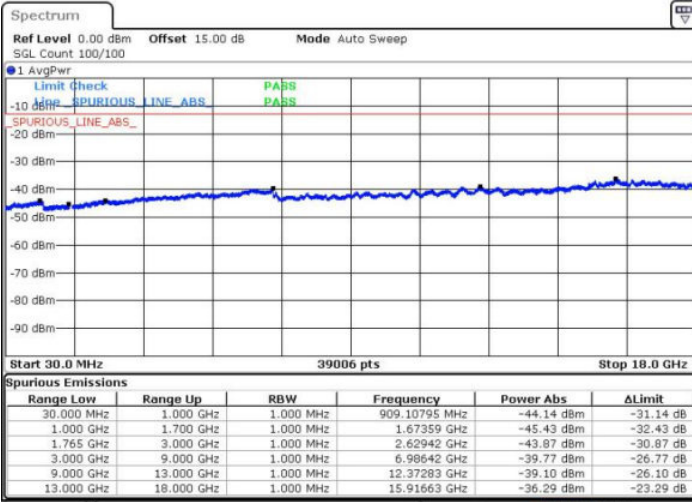


Date: 18 JUN 2016 13:04:11

Date: 18 JUN 2016 13:05:07

Middle Channel / QPSK

Middle Channel / 16QAM



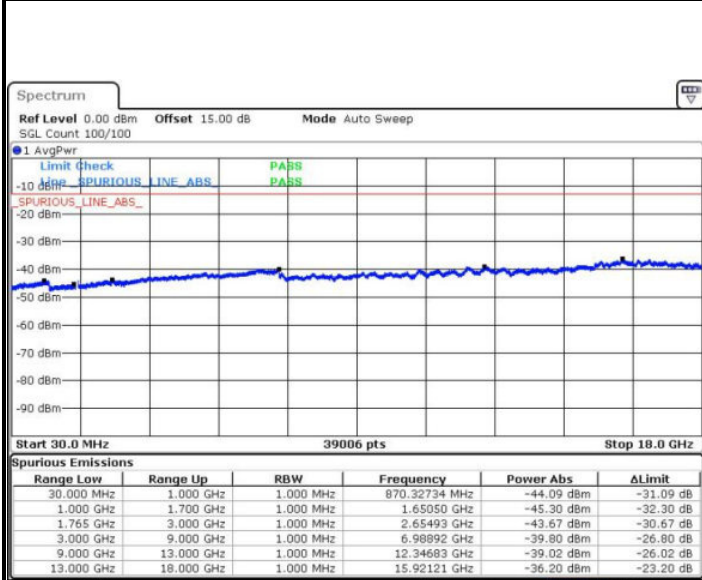
Date: 18 JUN 2016 13:06:45

Date: 18 JUN 2016 13:07:41



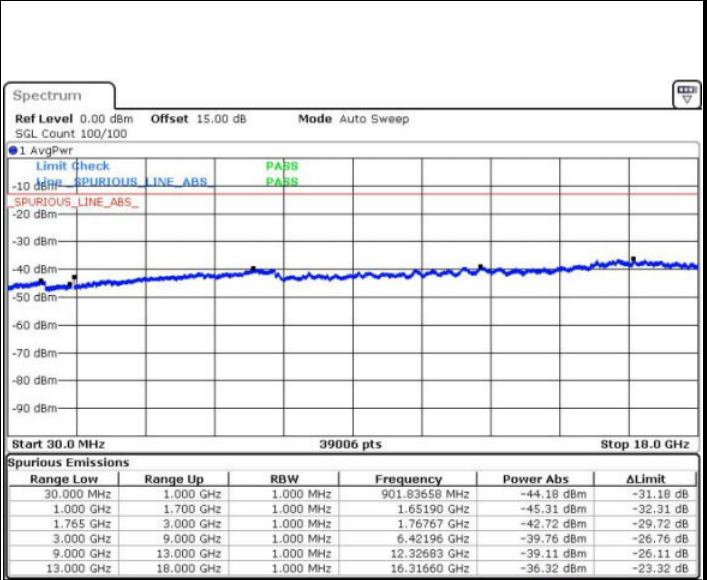
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 18 JUN 2016 13:13:53

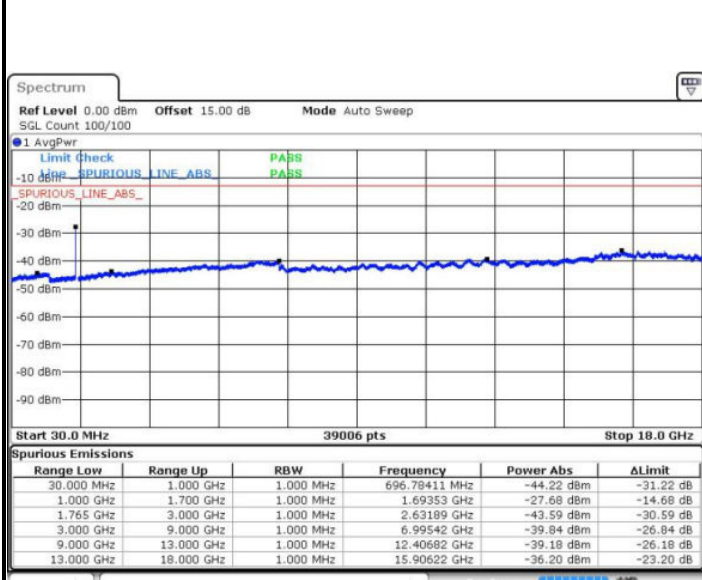
Highest Channel / 16QAM



Date: 18 JUN 2016 13:14:49

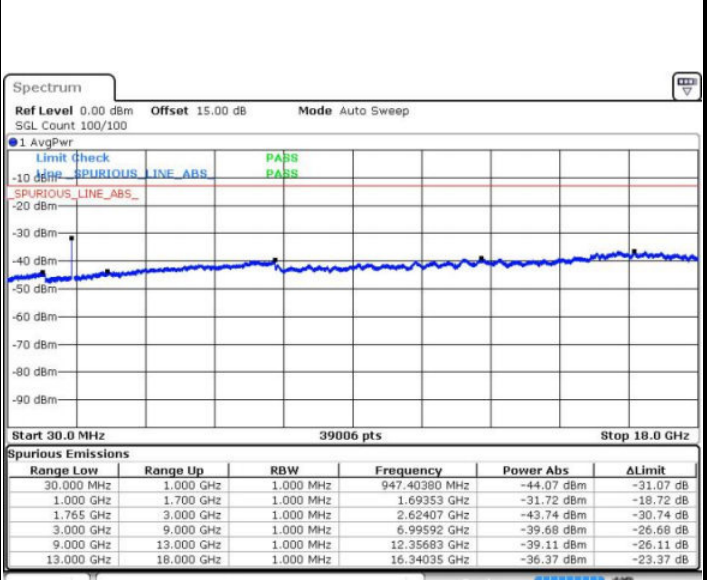
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 18 JUN 2016 13:21:00

Lowest Channel / 16QAM



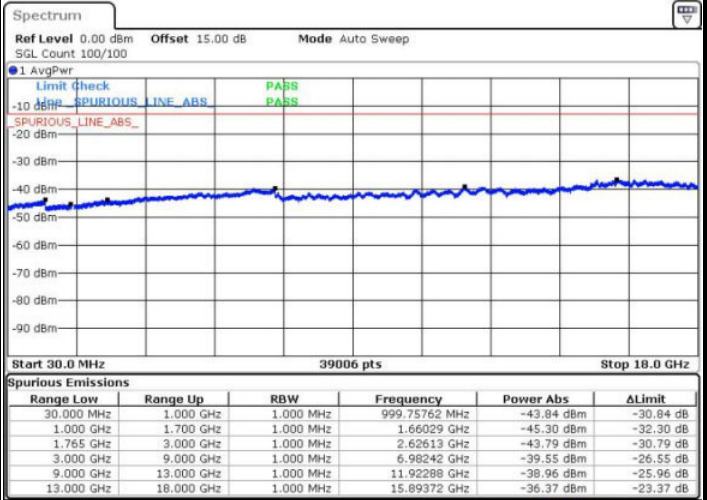
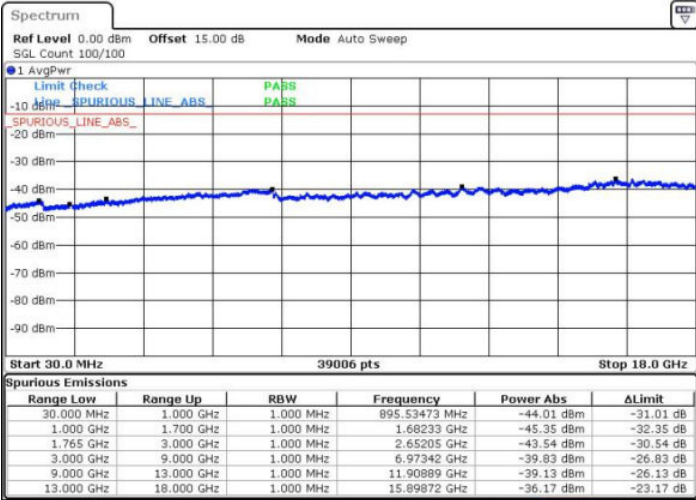
Date: 18 JUN 2016 13:21:56



LTE Band 4 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

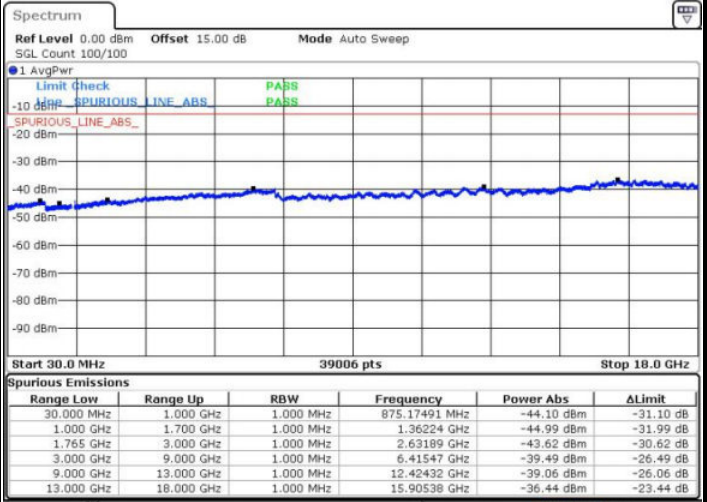
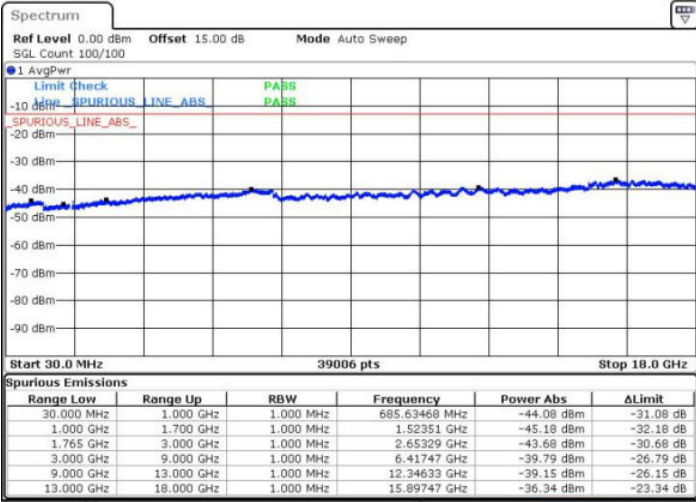


Date: 18 JUN 2016 13:23:34

Date: 18 JUN 2016 13:24:30

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 18 JUN 2016 13:30:41

Date: 18 JUN 2016 13:31:37



Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0046	
0	Normal Voltage	0.0052	
-10	Normal Voltage	0.0046	
-20	Normal Voltage	0.0052	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0046	

Note:

1. Normal Voltage = 3.9V. ; Battery End Point (BEP) = 3.55 V. ; Maximum Voltage =4.4V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



LTE Band 5

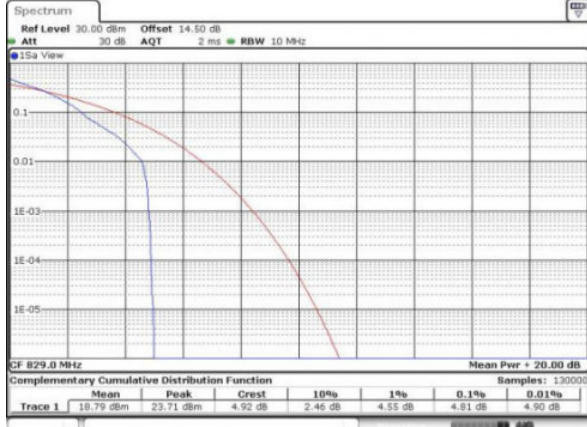
Peak-to-Average Ratio

Mode	LTE Band 5 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.81	5.22	5.57	6.09	PASS
Middle CH	4.81	5.22	5.51	6.12	
Highest CH	4.87	5.07	5.83	6.03	



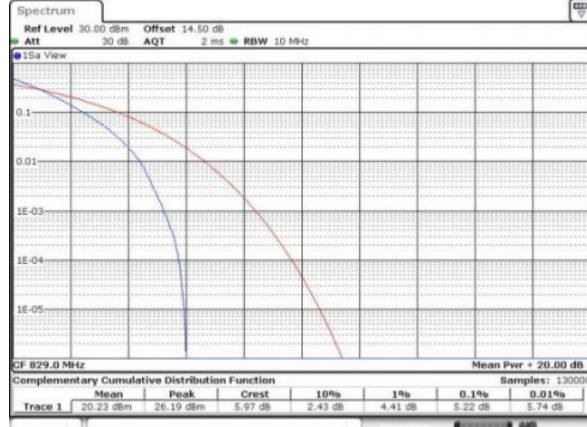
LTE Band 5 / 10MHz / QPSK

Lowest Channel / 1RB



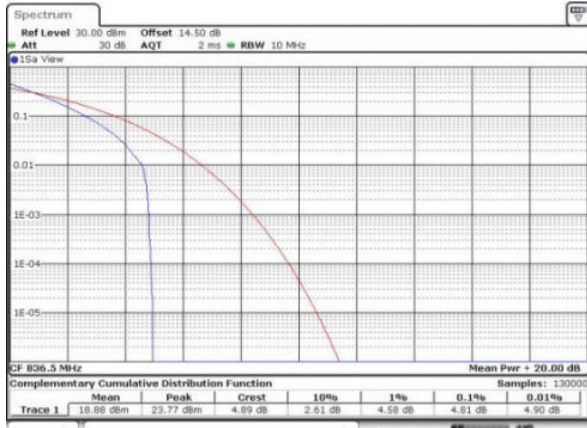
Date: 15_JUN.2016 14:53:39

Lowest Channel / Full RB



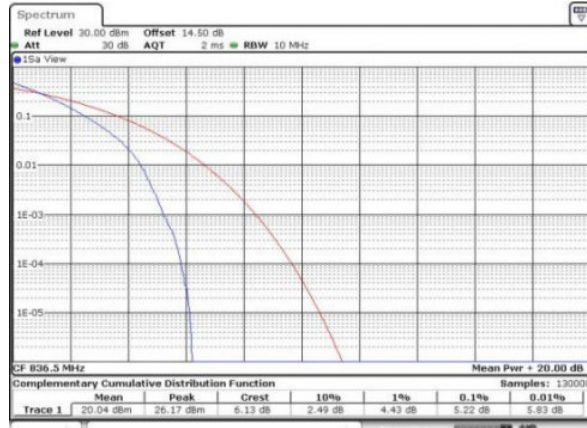
Date: 15_JUN.2016 14:53:48

Middle Channel / 1RB



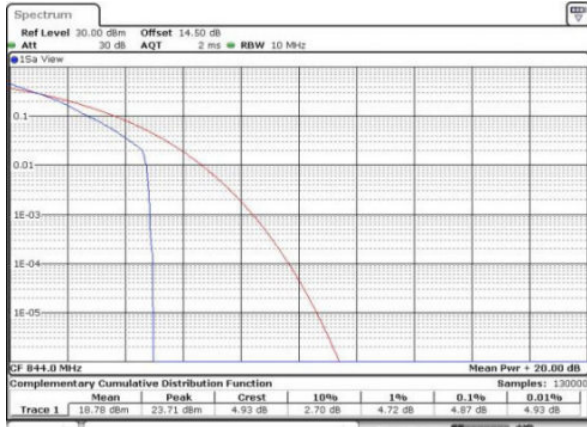
Date: 15_JUN.2016 14:53:57

Middle Channel / Full RB



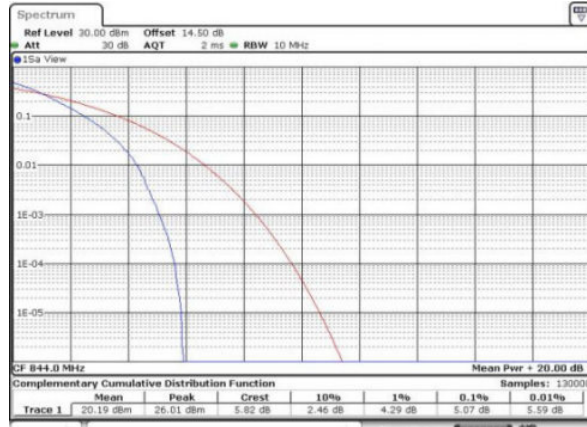
Date: 15_JUN.2016 14:54:06

Highest Channel / 1RB



Date: 15_JUN.2016 14:54:16

Highest Channel / Full RB

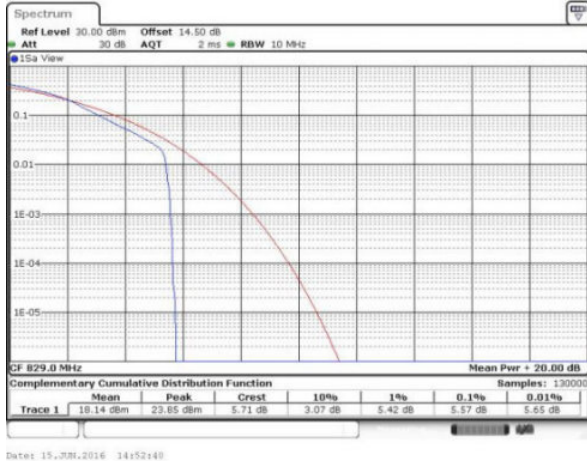


Date: 15_JUN.2016 14:54:25



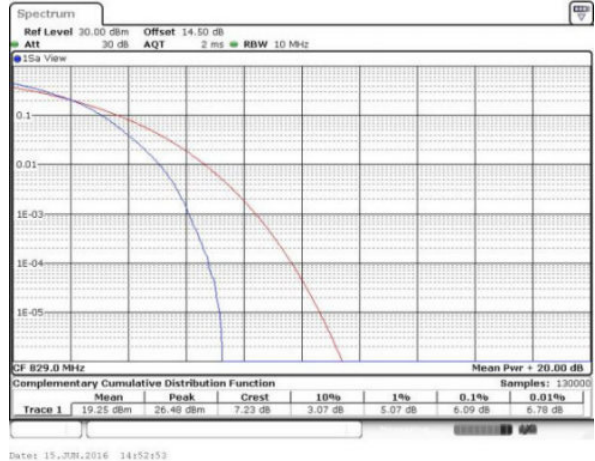
LTE Band 5 / 10MHz / 16QAM

Lowest Channel / 1RB



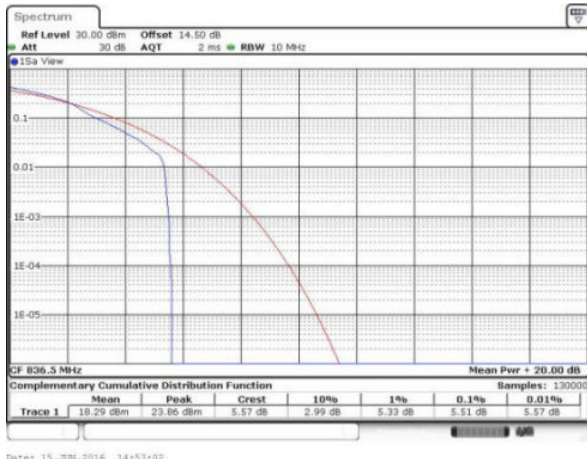
Date: 15-Jul-2016 14:52:48

Lowest Channel / Full RB



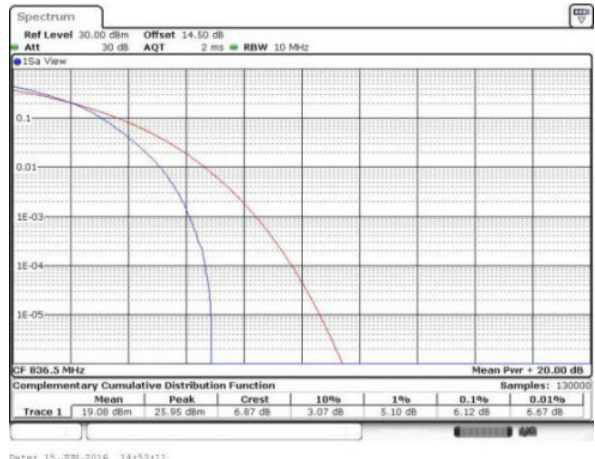
Date: 15-Jul-2016 14:52:53

Middle Channel / 1RB



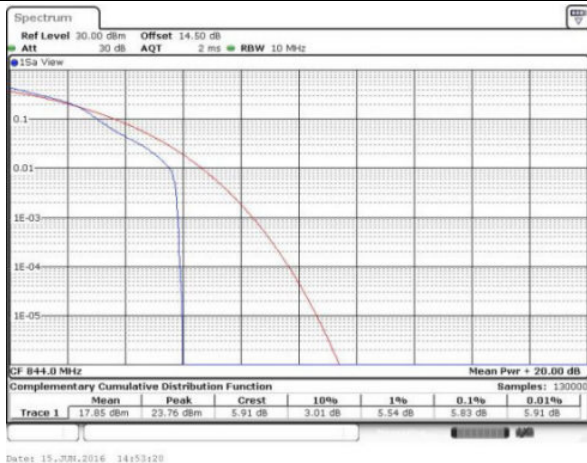
Date: 15-Jul-2016 14:53:02

Middle Channel / Full RB



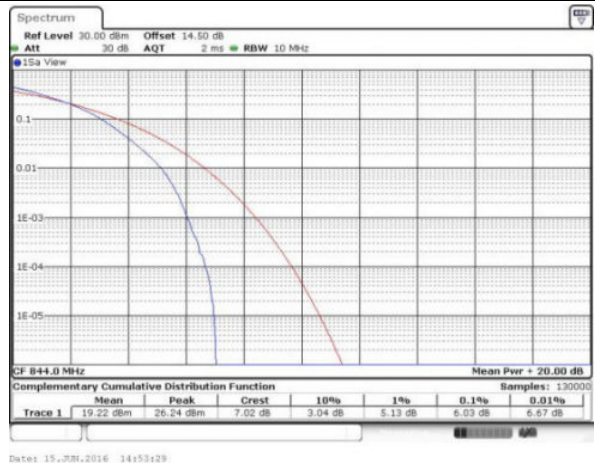
Date: 15-Jul-2016 14:53:11

Highest Channel / 1RB



Date: 15-Jul-2016 14:53:28

Highest Channel / Full RB



Date: 15-Jul-2016 14:53:29



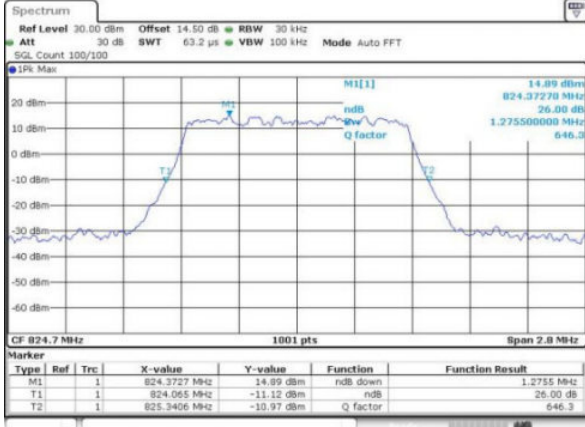
26dB Bandwidth

Mode	LTE Band 5 : 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	1.28	1.28	3.02	3.02	4.94	4.89	9.85	9.61	-	-	-	-
Middle CH	1.27	1.26	3.02	3.00	4.97	4.88	9.61	9.89	-	-	-	-
Highest CH	1.28	1.29	2.97	3.00	4.91	4.93	9.79	9.79	-	-	-	-



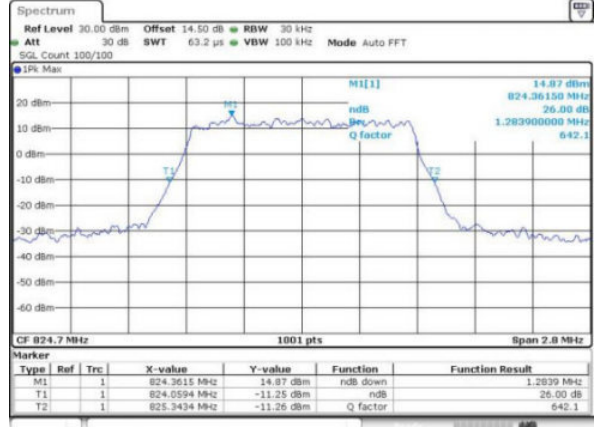
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



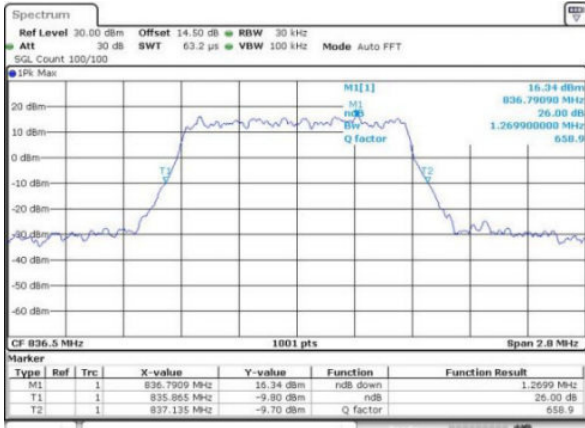
Date: 15-Jul-2016 11:08:25

Lowest Channel / 1.4MHz / 16QAM



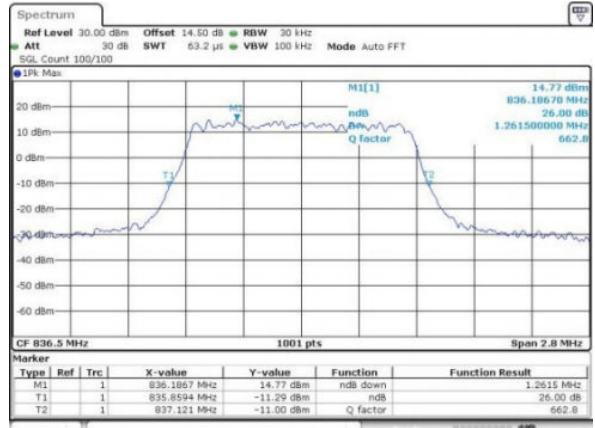
Date: 15-Jul-2016 11:08:15

Middle Channel / 1.4MHz / QPSK



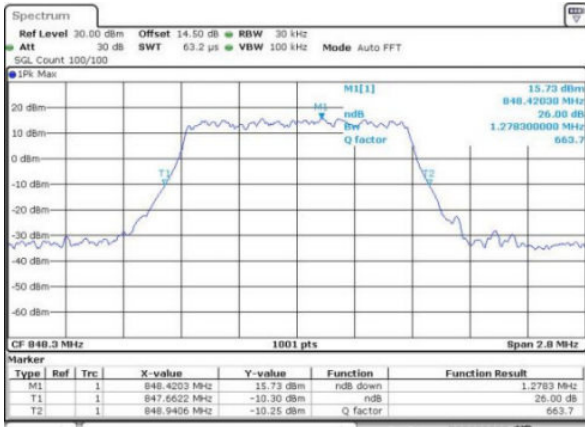
Date: 15-Jul-2016 11:19:05

Middle Channel / 1.4MHz / 16QAM



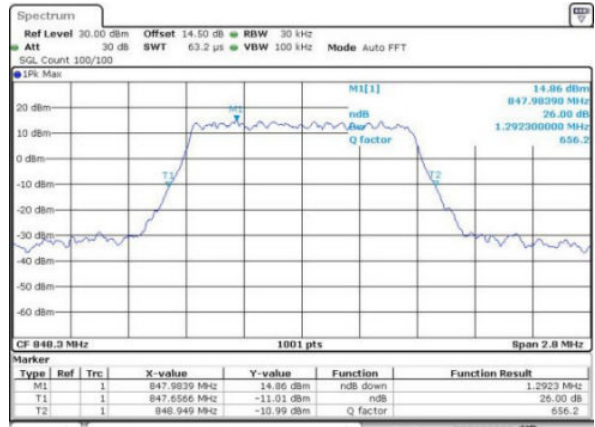
Date: 15-Jul-2016 11:27:06

Highest Channel / 1.4MHz / QPSK



Date: 15-Jul-2016 11:21:43

Highest Channel / 1.4MHz / 16QAM

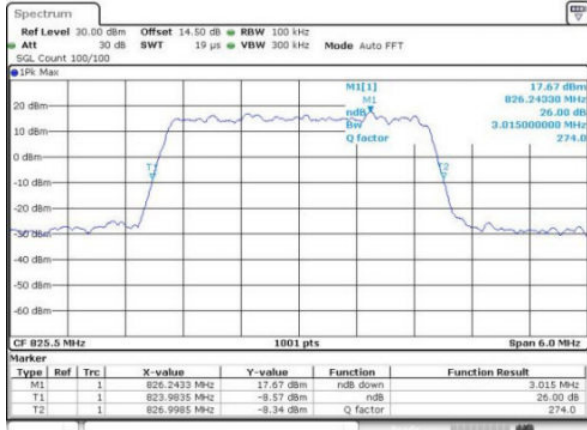


Date: 15-Jul-2016 11:21:52



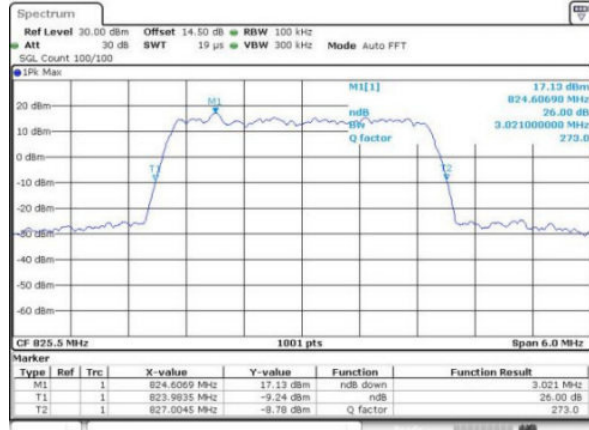
LTE Band 5

Lowest Channel / 3MHz / QPSK



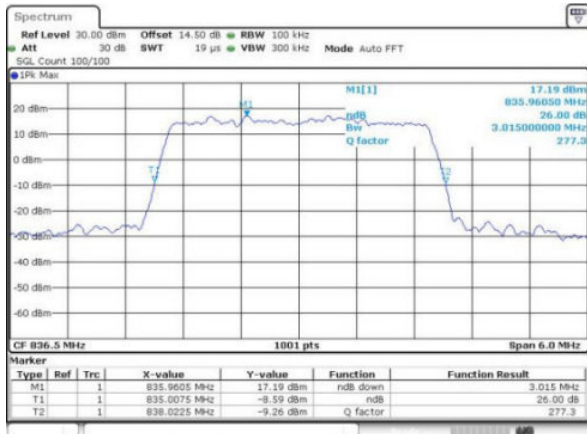
Date: 15_JUN.2016 11:52:19

Lowest Channel / 3MHz / 16QAM



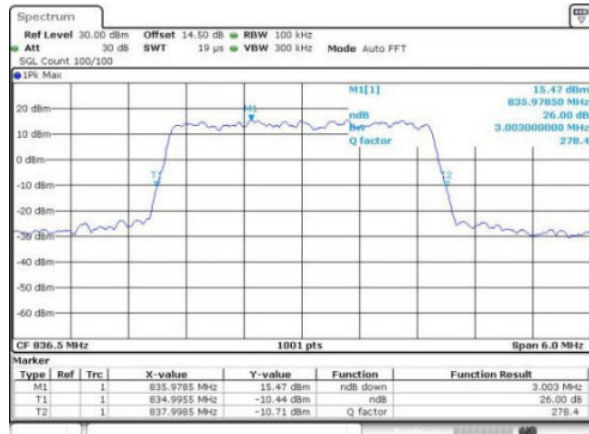
Date: 15_JUN.2016 11:52:19

Middle Channel / 3MHz / QPSK



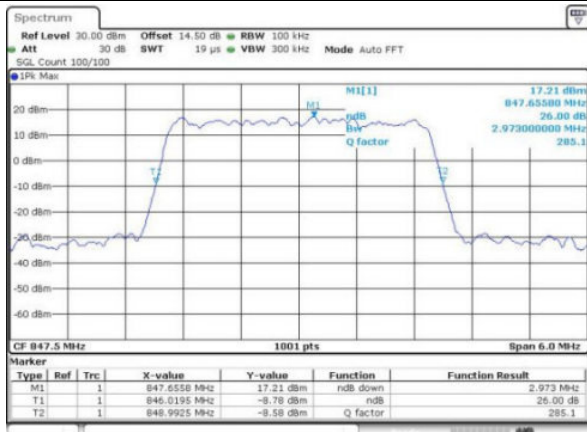
Date: 15_JUN.2016 11:43:17

Middle Channel / 3MHz / 16QAM



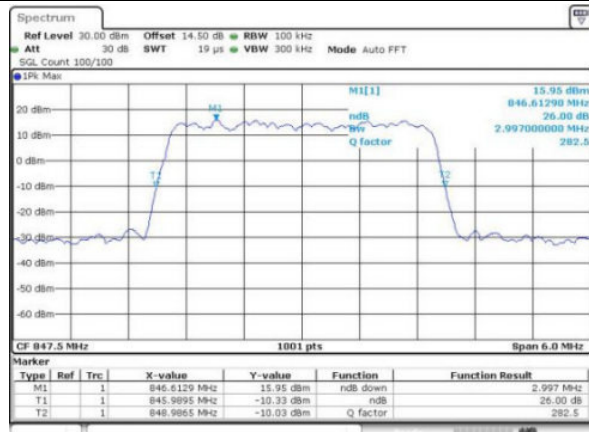
Date: 15_JUN.2016 11:43:17

Highest Channel / 3MHz / QPSK



Date: 15_JUN.2016 11:45:53

Highest Channel / 3MHz / 16QAM

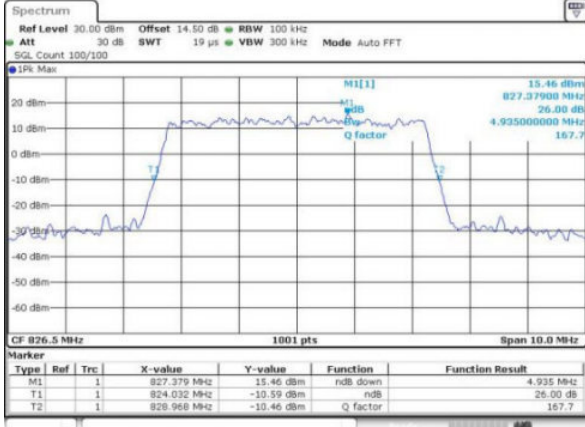


Date: 15_JUN.2016 11:46:08



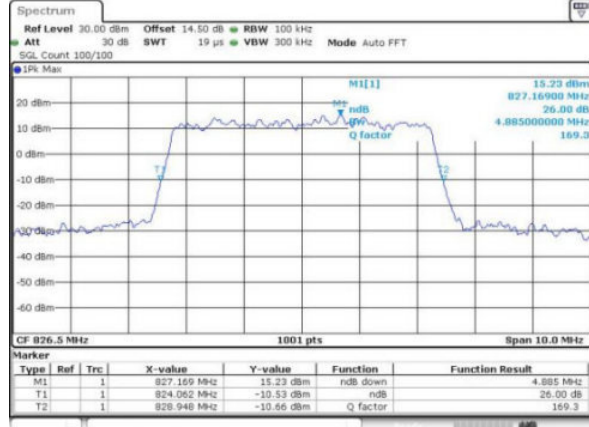
LTE Band 5

Lowest Channel / 5MHz / QPSK



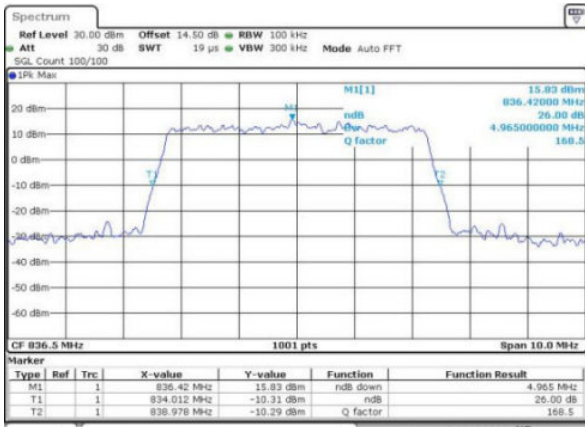
Date: 15-Jul-2016 11:54:41

Lowest Channel / 5MHz / 16QAM



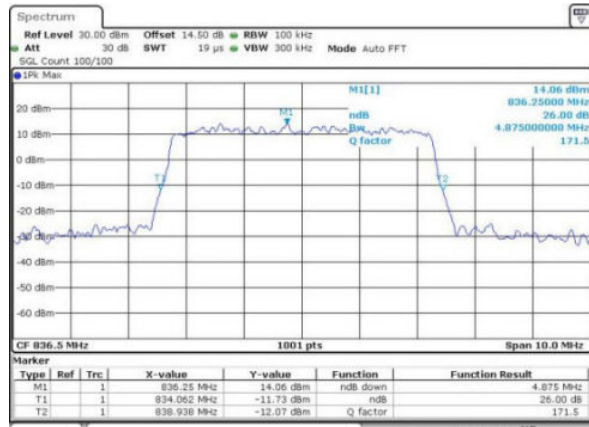
Date: 15-Jul-2016 11:56:51

Middle Channel / 5MHz / QPSK



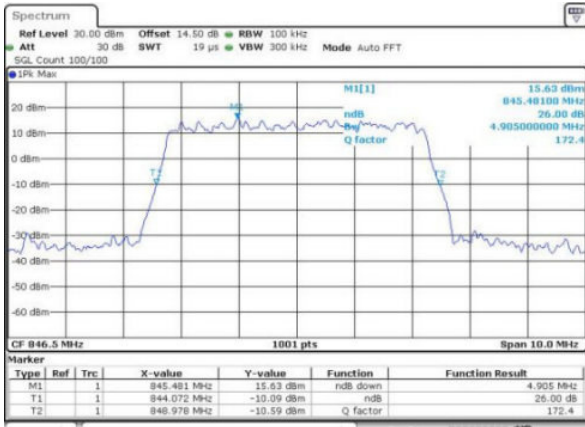
Date: 15-Jul-2016 12:07:28

Middle Channel / 5MHz / 16QAM



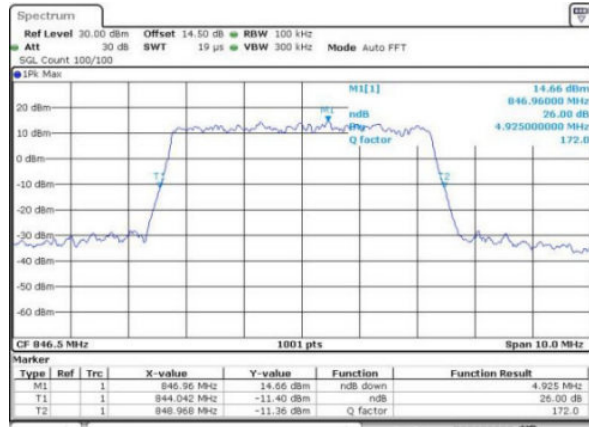
Date: 15-Jul-2016 12:07:59

Highest Channel / 5MHz / QPSK



Date: 15-Jul-2016 12:19:06

Highest Channel / 5MHz / 16QAM

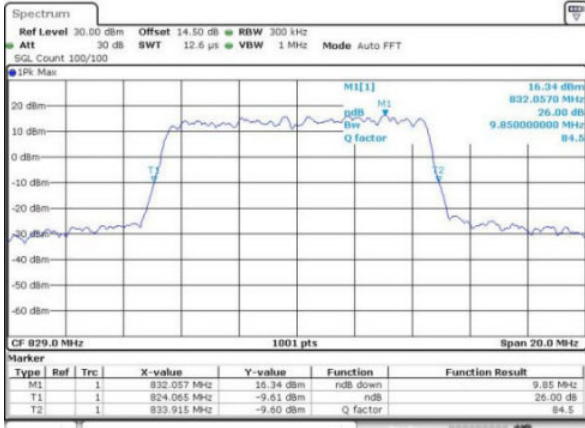


Date: 15-Jul-2016 12:19:15



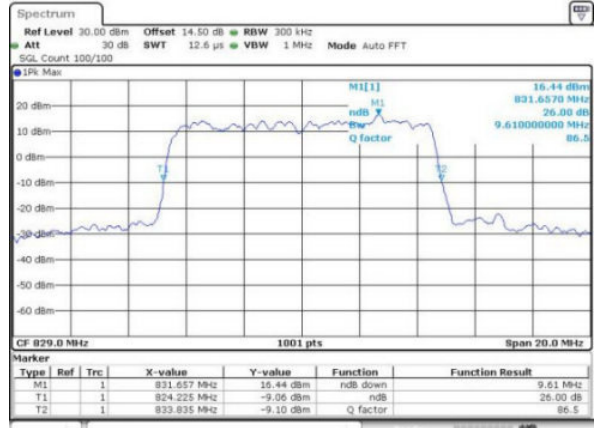
LTE Band 5

Lowest Channel / 10MHz / QPSK



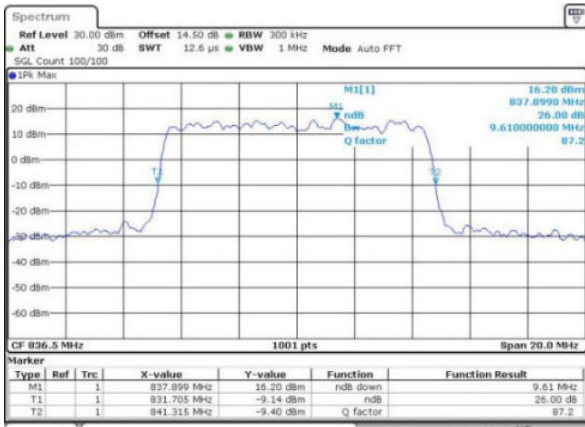
Date: 15-Jul-2016 12:20:52

Lowest Channel / 10MHz / 16QAM



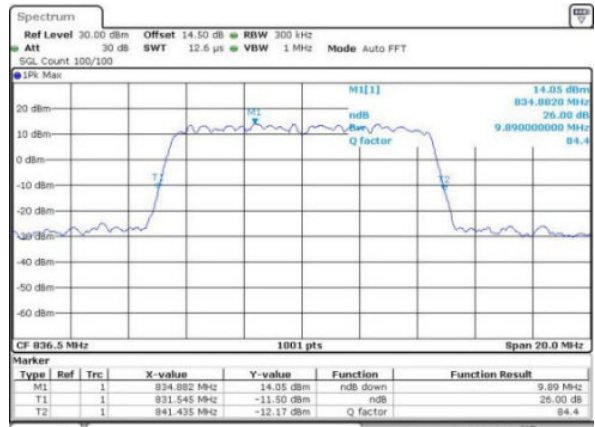
Date: 15-Jul-2016 12:21:03

Middle Channel / 10MHz / QPSK



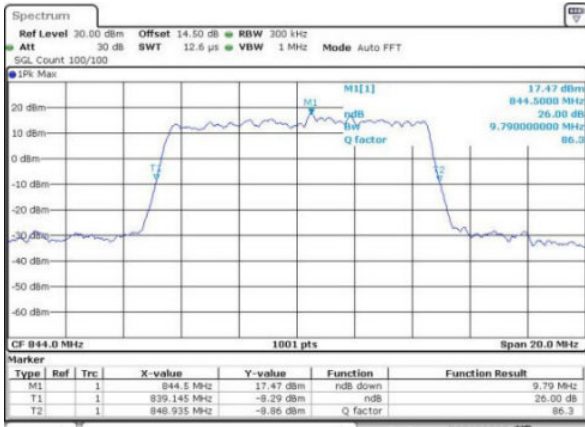
Date: 15-Jul-2016 12:33:49

Middle Channel / 10MHz / 16QAM



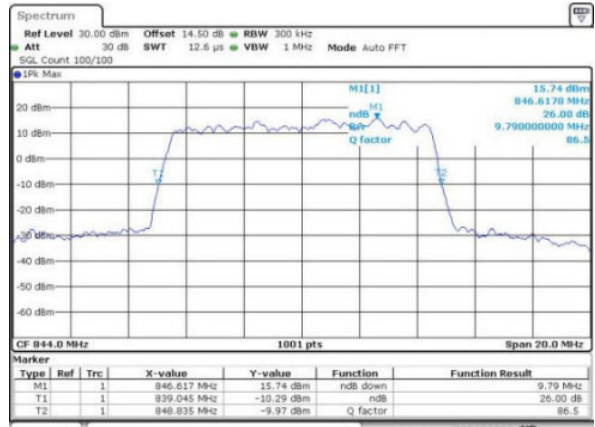
Date: 15-Jul-2016 12:33:49

Highest Channel / 10MHz / QPSK



Date: 15-Jul-2016 12:34:15

Highest Channel / 10MHz / 16QAM



Date: 15-Jul-2016 12:34:26



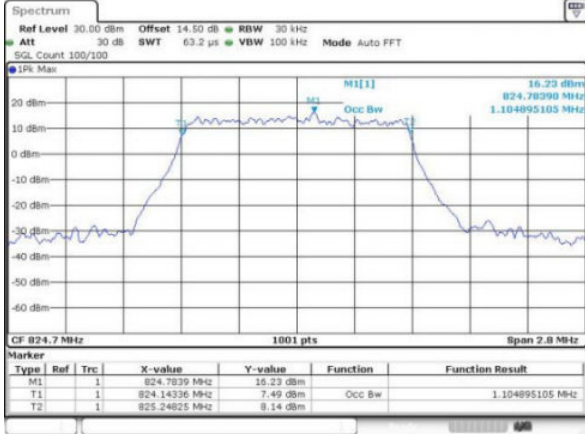
Occupied Bandwidth

Mode	LTE Band 5 : 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	1.10	1.08	2.72	2.71	4.48	4.48	9.03	9.01	-	-	-	-
Middle CH	1.10	1.09	2.71	2.72	4.49	4.51	9.01	8.99	-	-	-	-
Highest CH	1.09	1.10	2.70	2.72	4.48	4.50	9.03	8.99	-	-	-	-



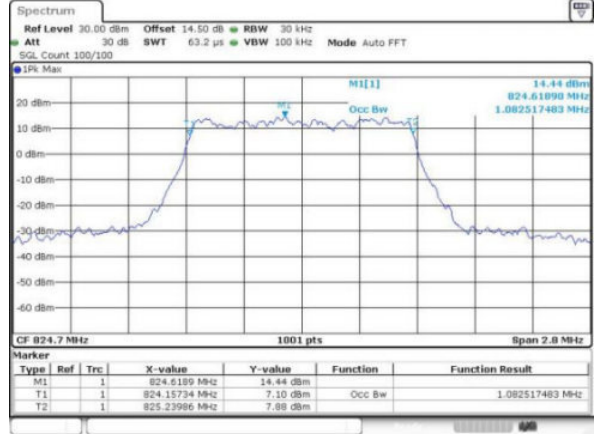
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



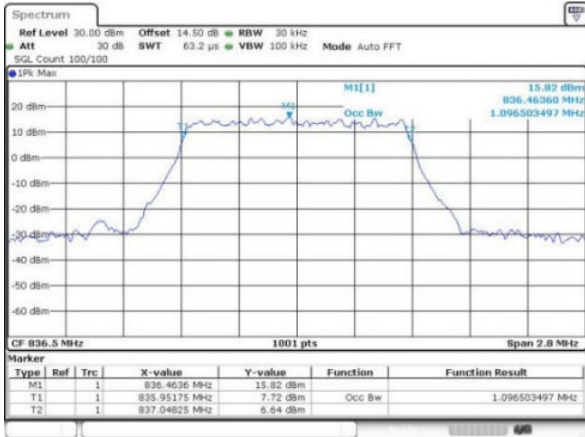
Date: 15-Jul-2016 11:07:53

Lowest Channel / 1.4MHz / 16QAM



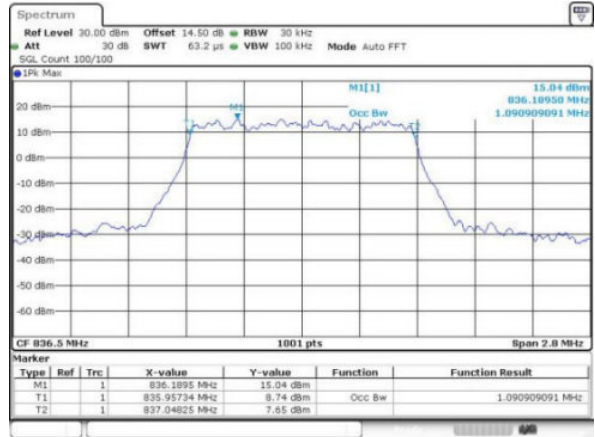
Date: 15-Jul-2016 11:08:08

Middle Channel / 1.4MHz / QPSK



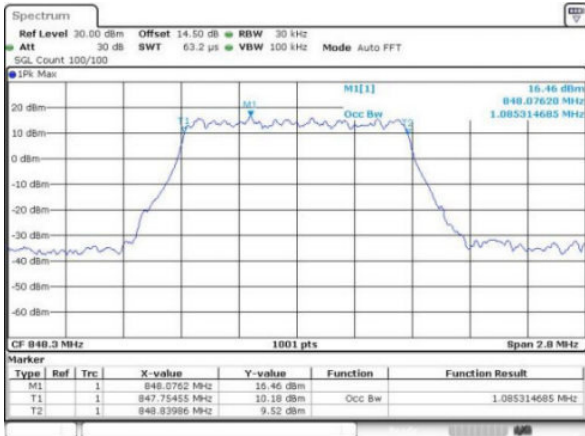
Date: 15-Jul-2016 11:18:44

Middle Channel / 1.4MHz / 16QAM



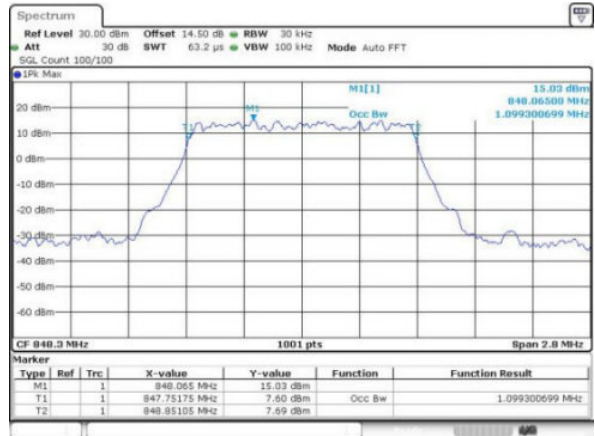
Date: 15-Jul-2016 11:18:58

Highest Channel / 1.4MHz / QPSK



Date: 15-Jul-2016 11:21:20

Highest Channel / 1.4MHz / 16QAM

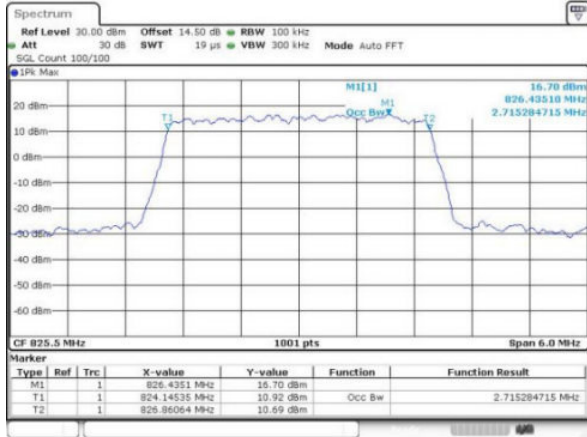


Date: 15-Jul-2016 11:21:30



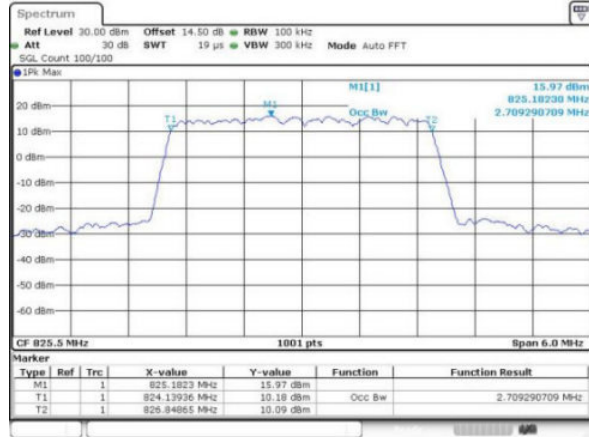
LTE Band 5

Lowest Channel / 3MHz / QPSK



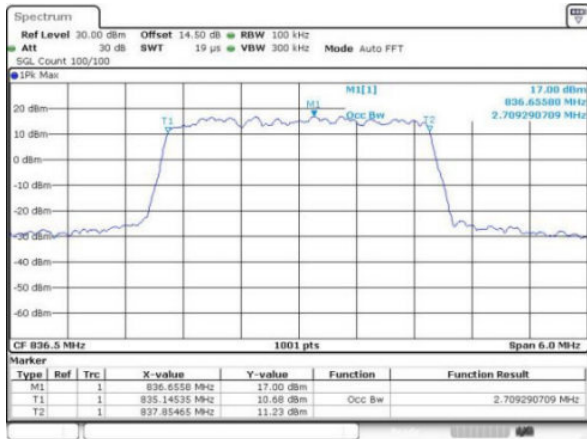
Date: 15-Jul-2016 11:52:07

Lowest Channel / 3MHz / 16QAM



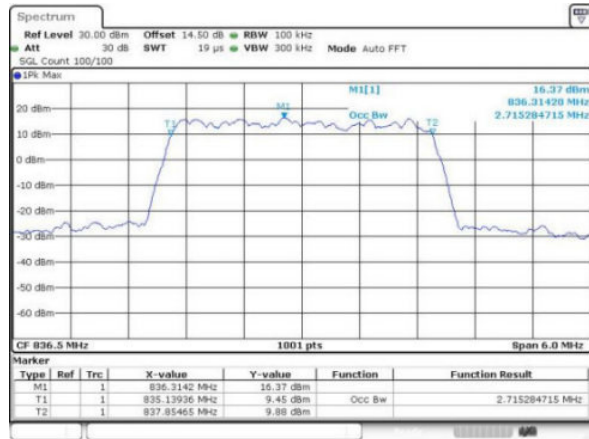
Date: 15-Jul-2016 11:52:19

Middle Channel / 3MHz / QPSK



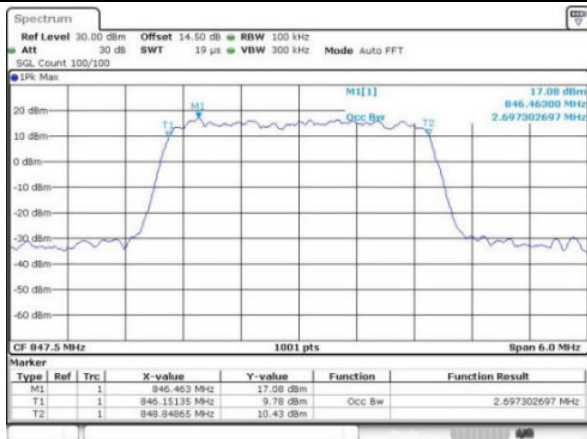
Date: 15-Jul-2016 11:42:55

Middle Channel / 3MHz / 16QAM



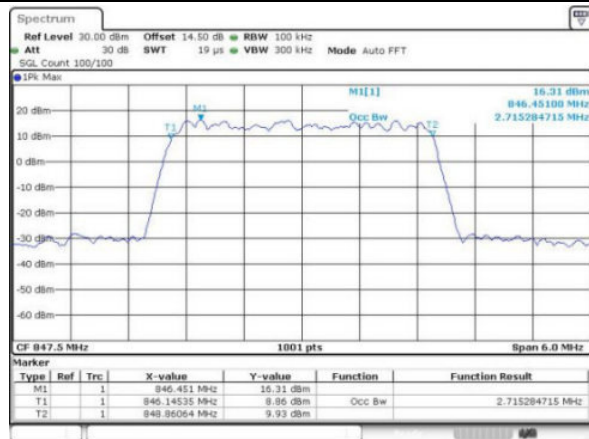
Date: 15-Jul-2016 11:43:06

Highest Channel / 3MHz / QPSK



Date: 15-Jul-2016 11:45:32

Highest Channel / 3MHz / 16QAM

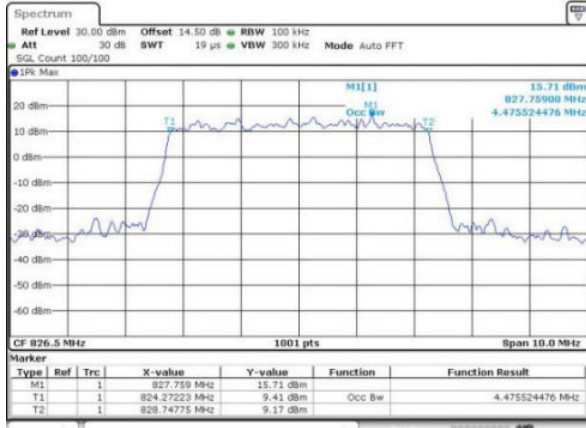


Date: 15-Jul-2016 11:45:42



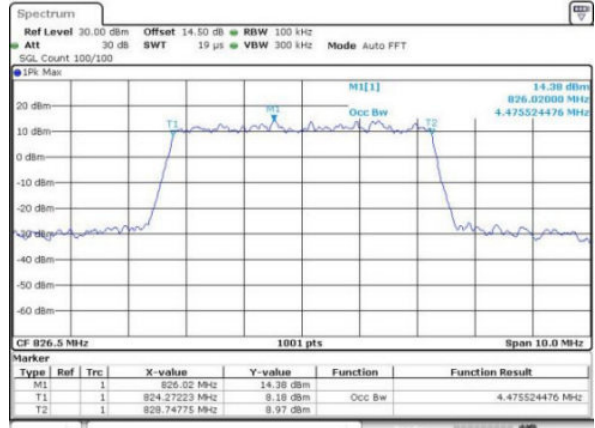
LTE Band 5

Lowest Channel / 5MHz / QPSK



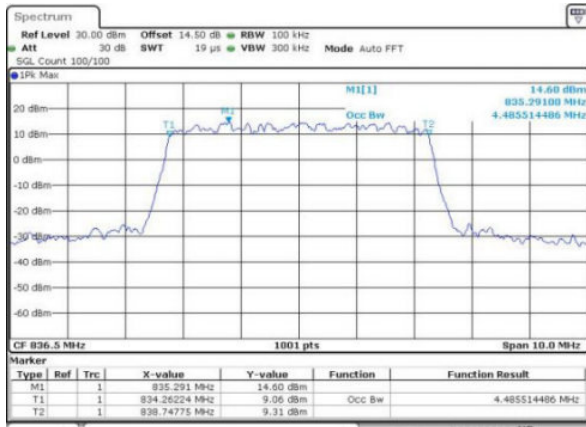
Date: 15-Jul-2016 11:56:19

Lowest Channel / 5MHz / 16QAM



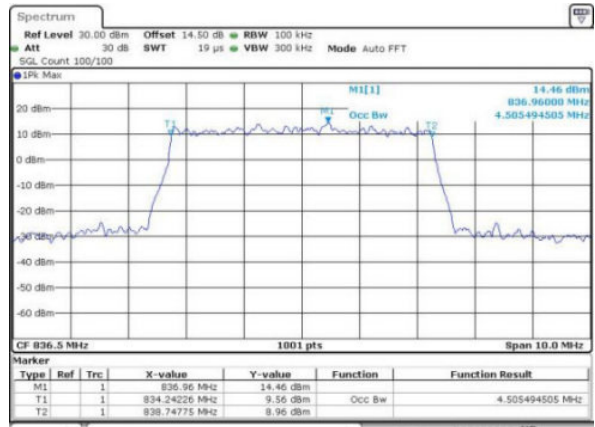
Date: 15-Jul-2016 11:56:39

Middle Channel / 5MHz / QPSK



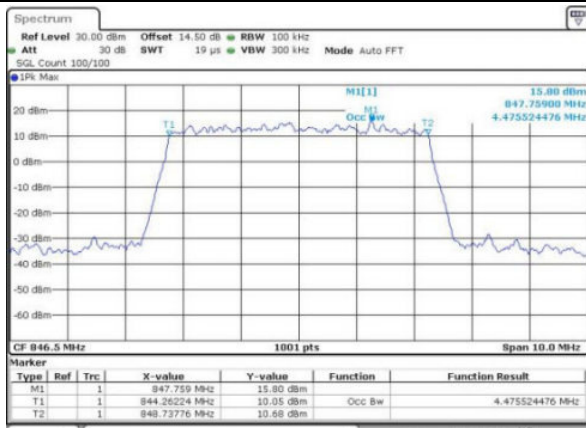
Date: 15-Jul-2016 12:07:06

Middle Channel / 5MHz / 16QAM



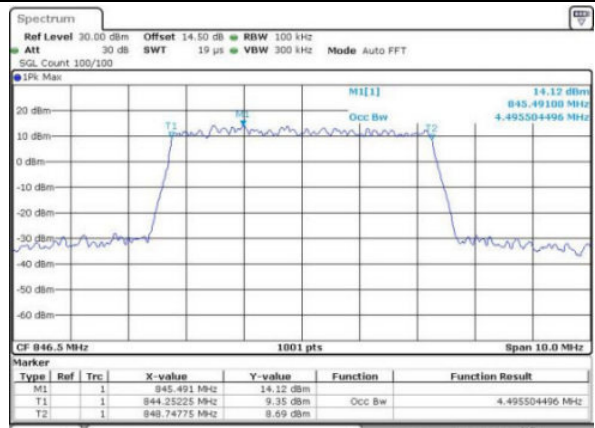
Date: 15-Jul-2016 12:07:17

Highest Channel / 5MHz / QPSK



Date: 15-Jul-2016 12:09:43

Highest Channel / 5MHz / 16QAM

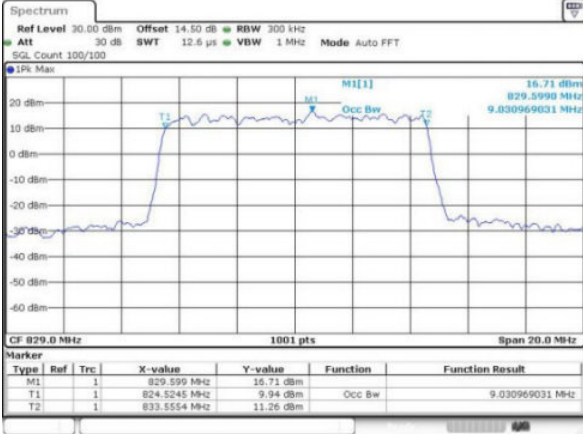


Date: 15-Jul-2016 12:09:53



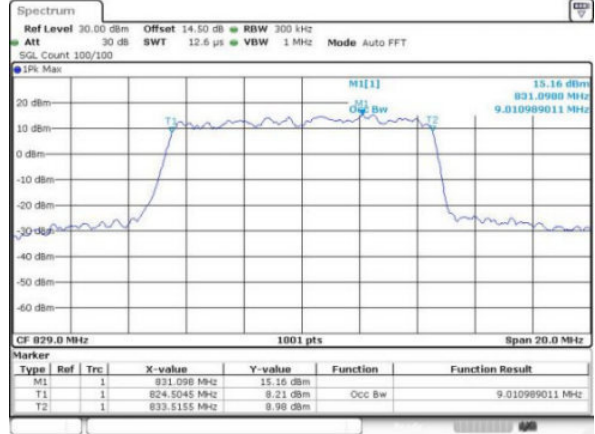
LTE Band 5

Lowest Channel / 10MHz / QPSK



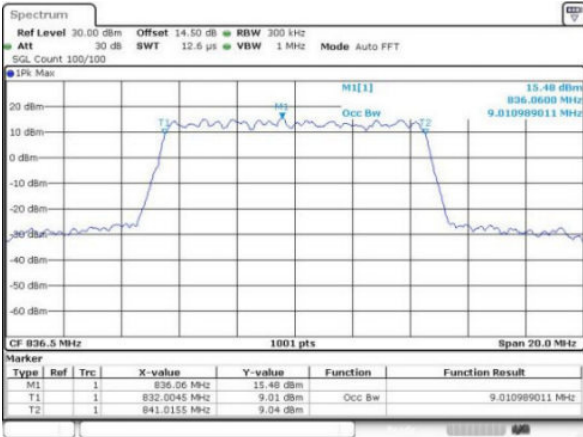
Date: 15-Jul-2016 12:20:10

Lowest Channel / 10MHz / 16QAM



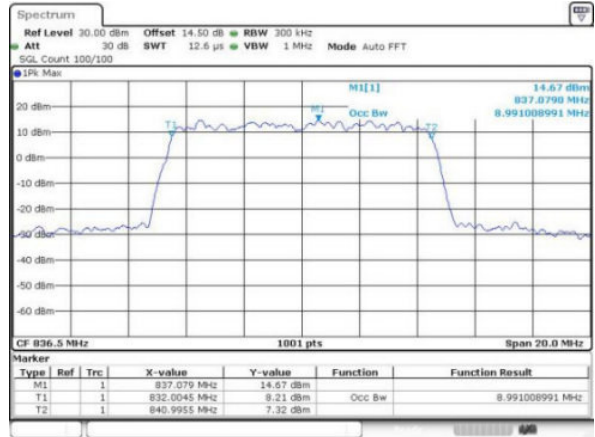
Date: 15-Jul-2016 12:20:41

Middle Channel / 10MHz / QPSK



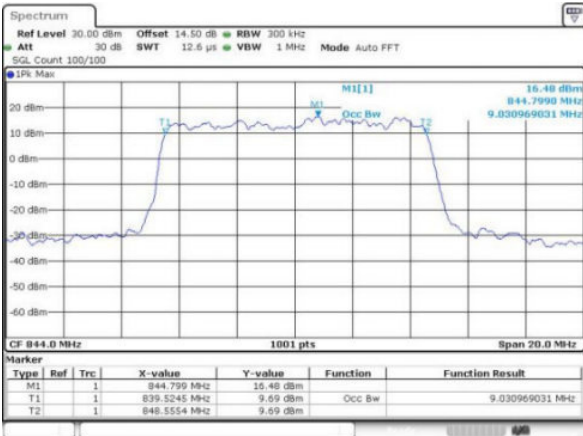
Date: 15-Jul-2016 12:31:17

Middle Channel / 10MHz / 16QAM



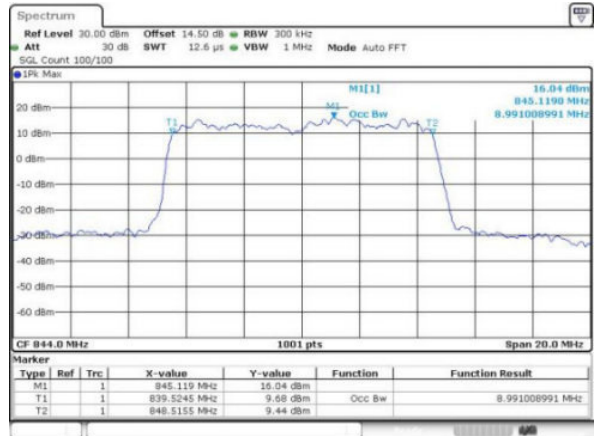
Date: 15-Jul-2016 12:31:28

Highest Channel / 10MHz / QPSK



Date: 15-Jul-2016 12:33:54

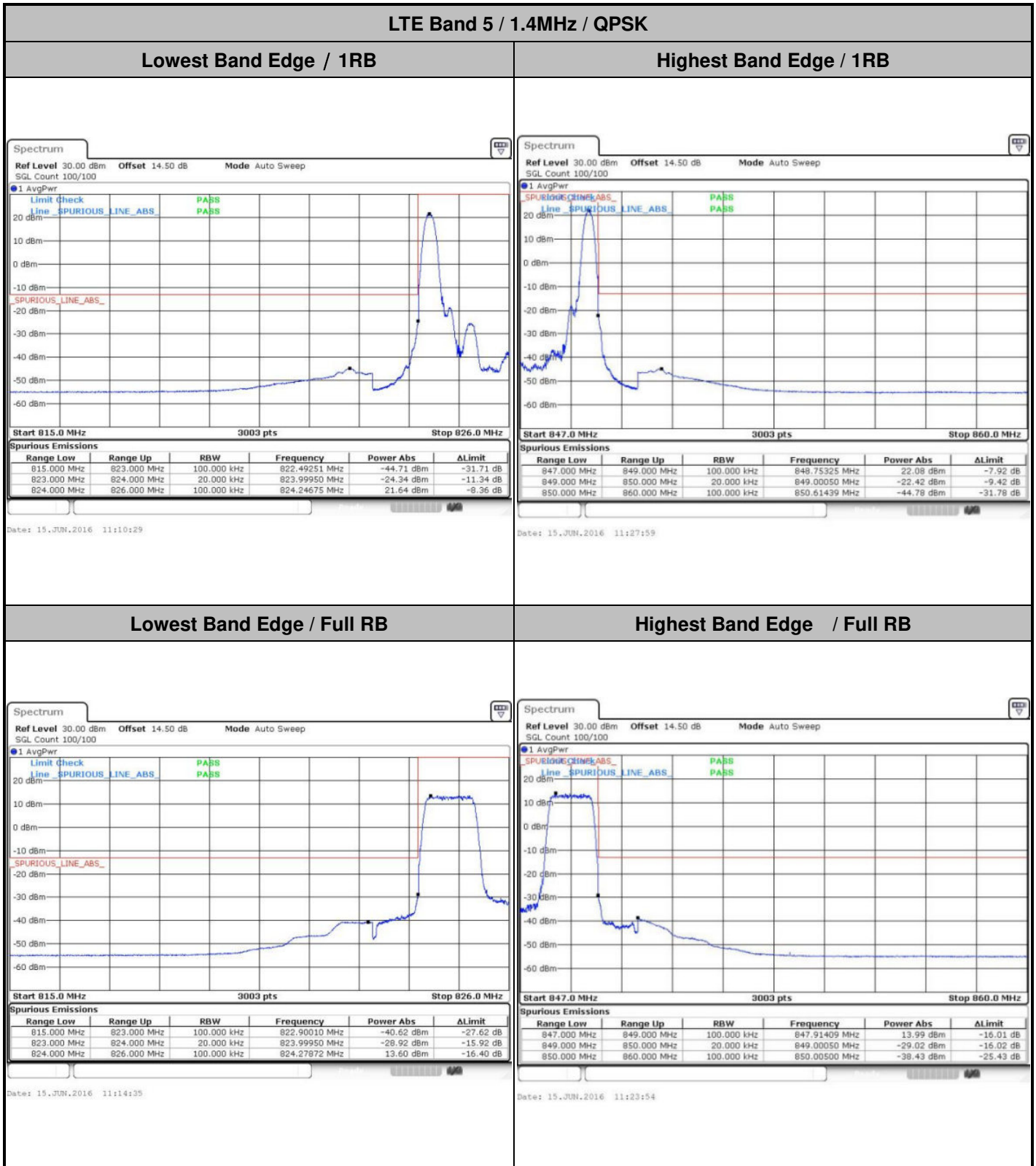
Highest Channel / 10MHz / 16QAM



Date: 15-Jul-2016 12:34:04



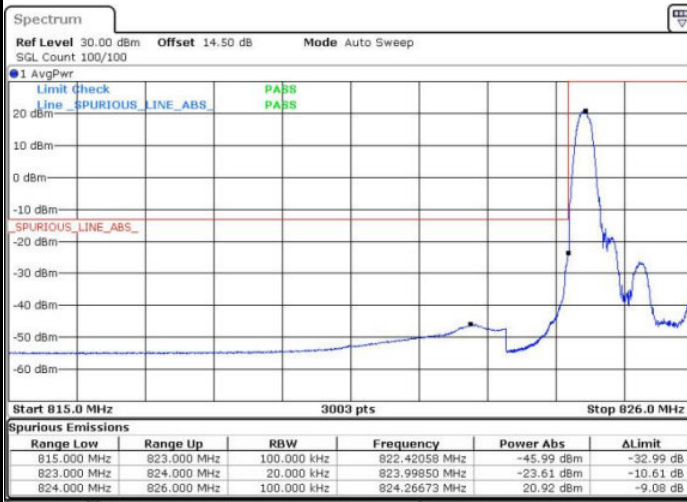
Conducted Band Edge





LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



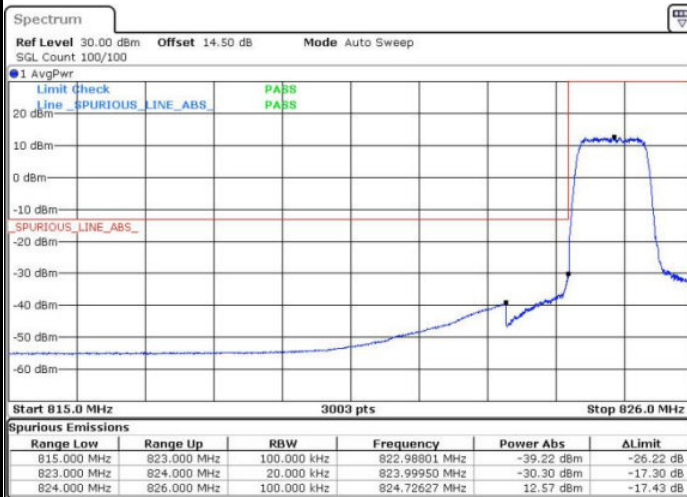
Date: 15 JUN 2016 11:12:32

Highest Band Edge / 1 RB



Date: 15 JUN 2016 11:30:02

Lowest Band Edge / Full RB



Date: 15 JUN 2016 11:16:38

Highest Band Edge / Full RB

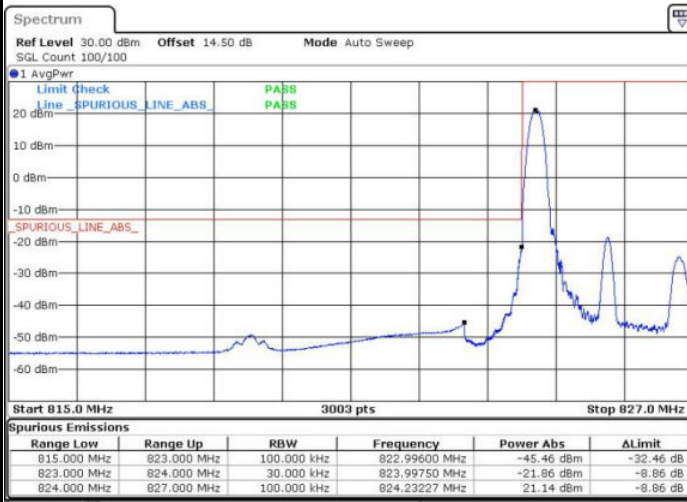


Date: 15 JUN 2016 11:25:57

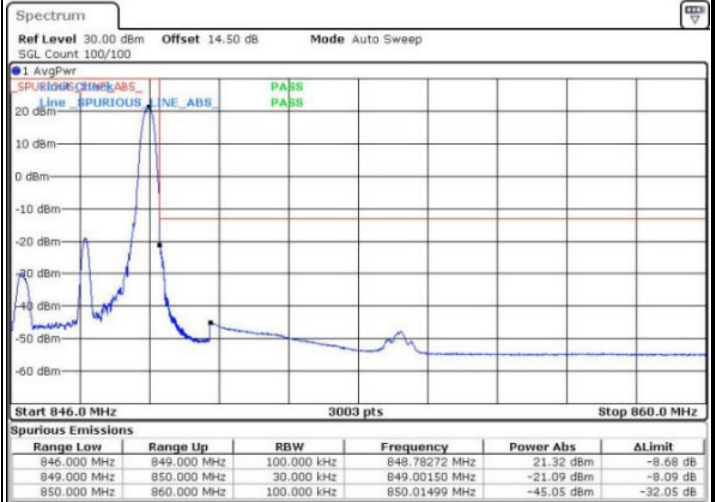


LTE Band 5 / 3MHz / QPSK

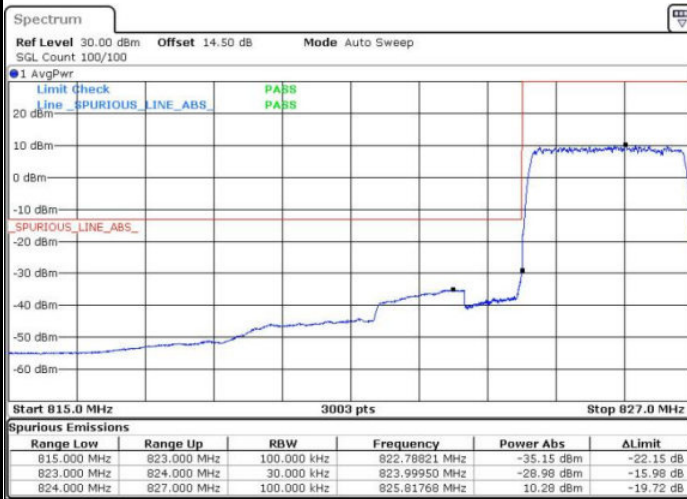
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



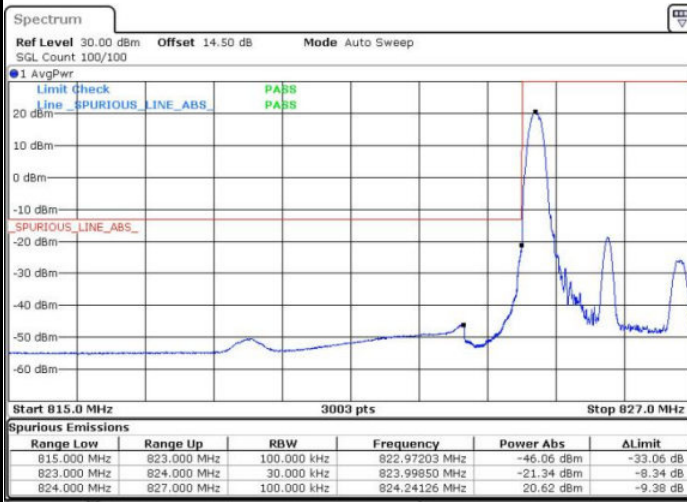
Highest Band Edge / Full RB





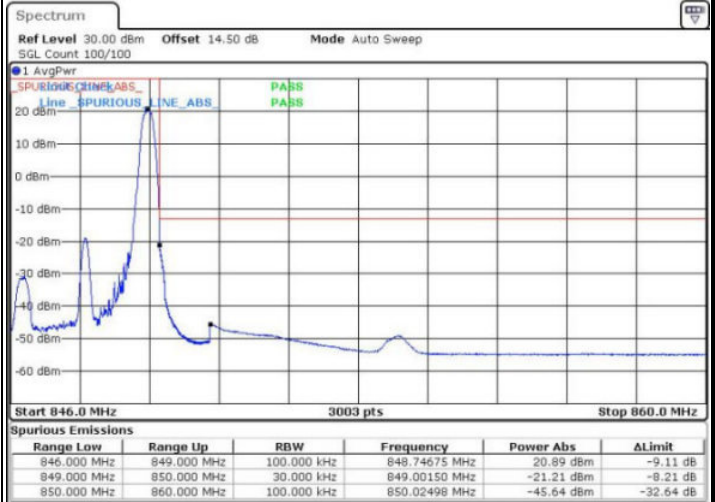
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 15 JUN 2016 11:36:44

Highest Band Edge / 1 RB



Date: 15 JUN 2016 11:50:08

Lowest Band Edge / Full RB

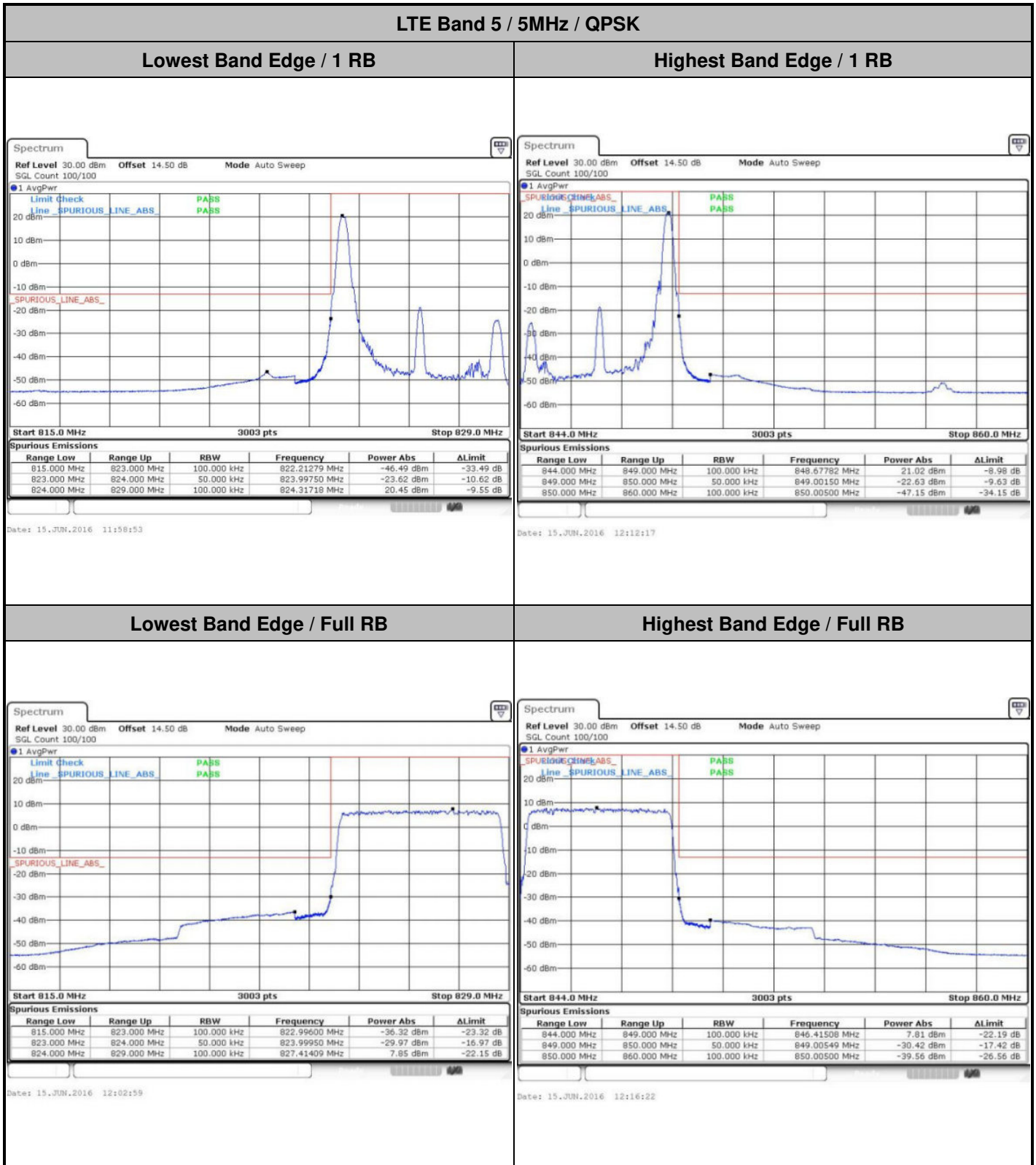


Date: 15 JUN 2016 11:40:50

Highest Band Edge / Full RB



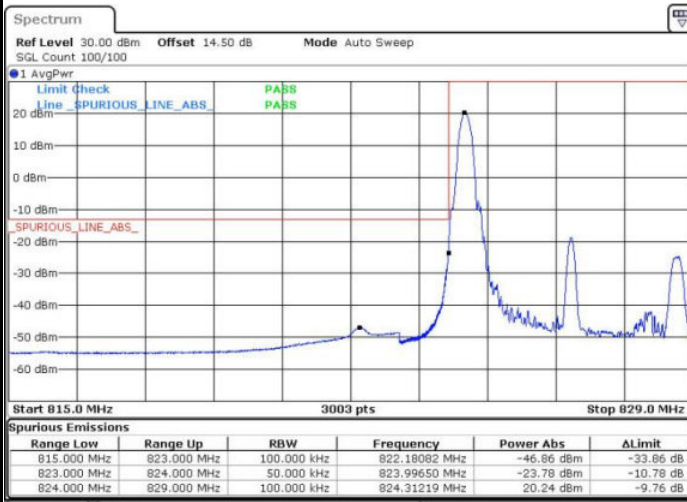
Date: 15 JUN 2016 11:54:14





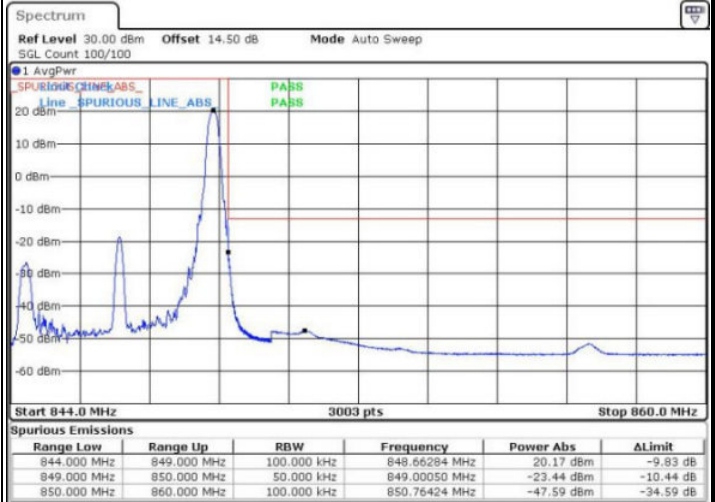
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



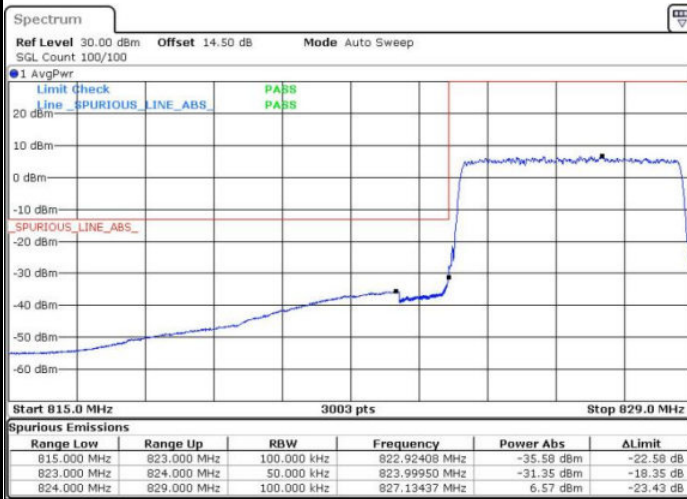
Date: 15 JUN 2016 12:00:56

Highest Band Edge / 1 RB



Date: 15 JUN 2016 12:14:20

Lowest Band Edge / Full RB



Date: 15 JUN 2016 12:05:02

Highest Band Edge / Full RB

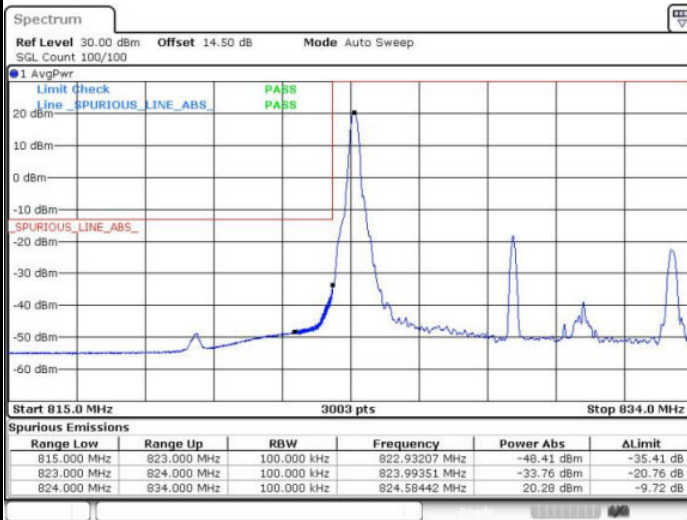


Date: 15 JUN 2016 12:18:25



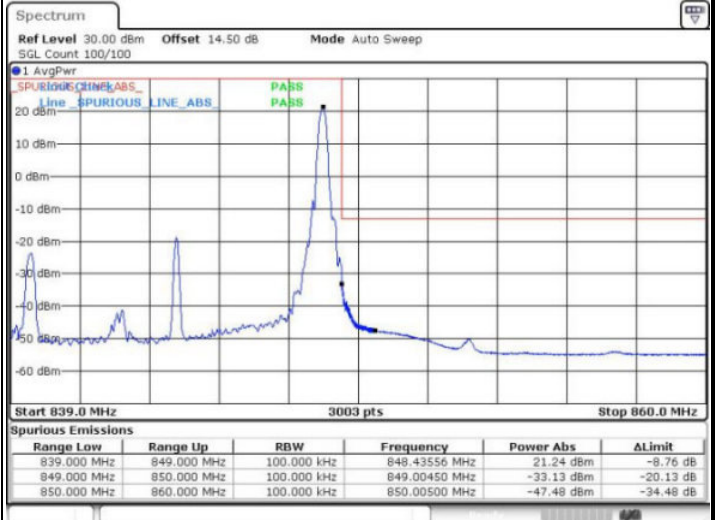
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



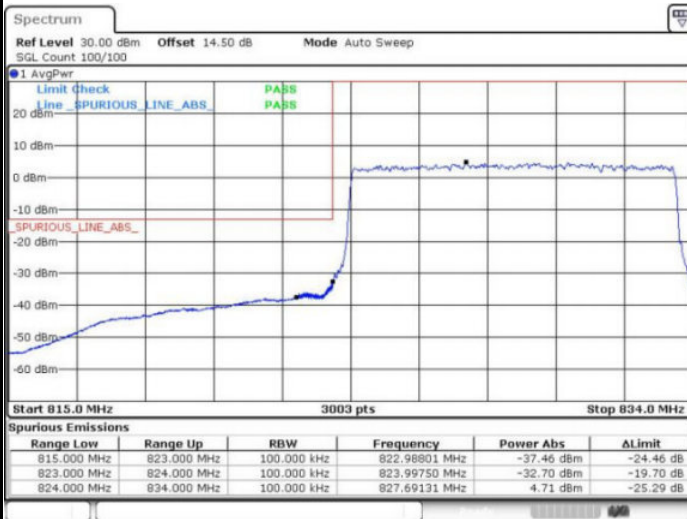
Date: 15 JUN 2016 12:23:05

Highest Band Edge / 1 RB



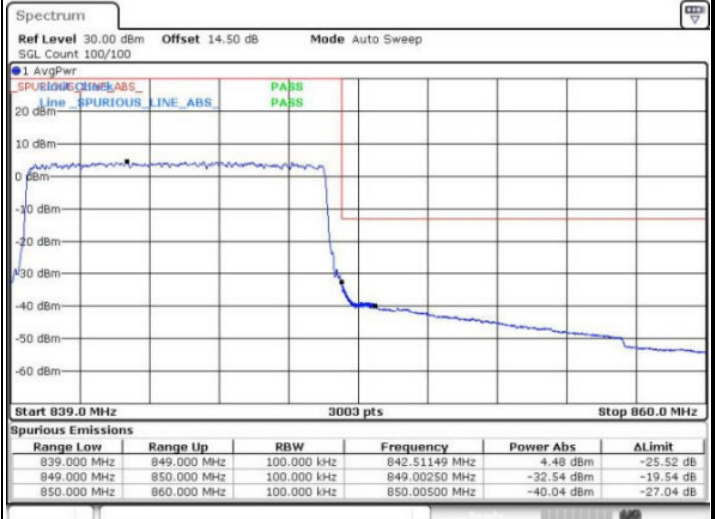
Date: 15 JUN 2016 13:43:12

Lowest Band Edge / Full RB



Date: 15 JUN 2016 12:27:10

Highest Band Edge / Full RB

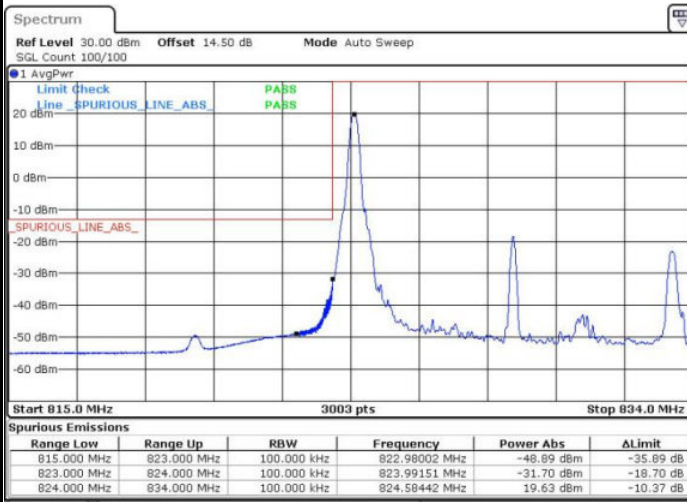


Date: 15 JUN 2016 13:47:20



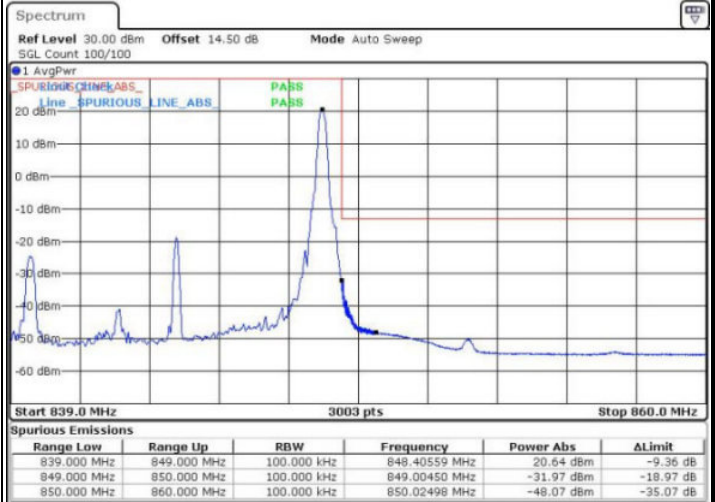
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



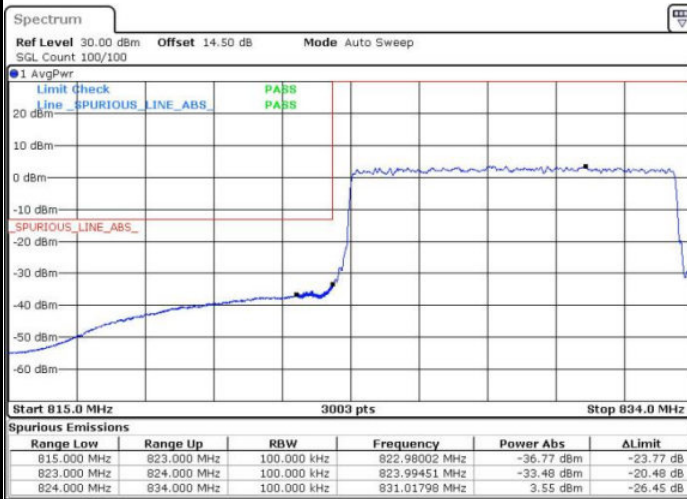
Date: 15 JUN 2016 12:25:07

Highest Band Edge / 1 RB



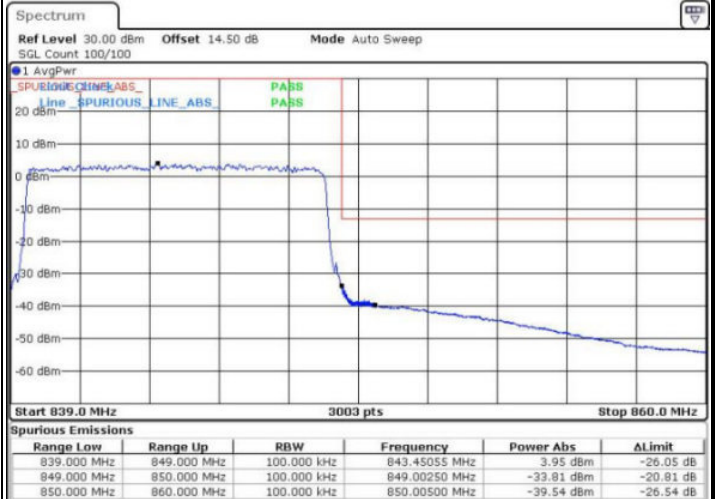
Date: 15 JUN 2016 13:45:16

Lowest Band Edge / Full RB



Date: 15 JUN 2016 12:29:13

Highest Band Edge / Full RB



Date: 15 JUN 2016 13:45:24