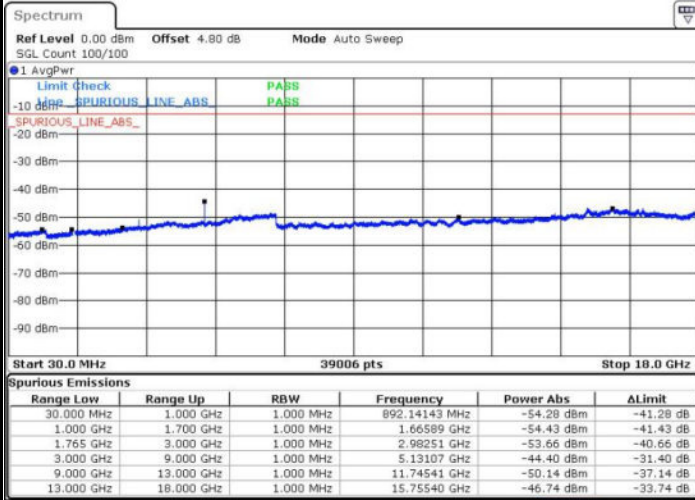




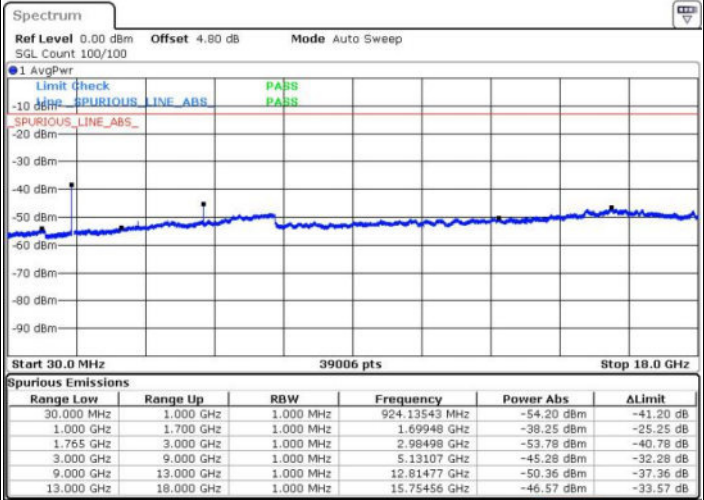
LTE Band 4 / 5MHz

Lowest Channel / QPSK



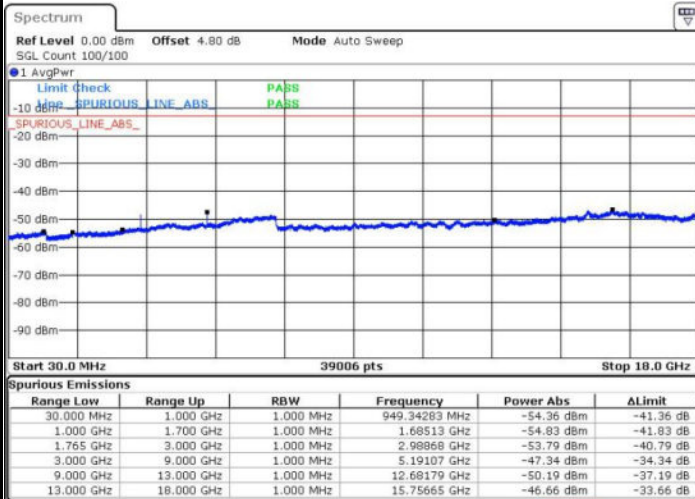
Date: 7 JUN 2016 01:03:17

Lowest Channel / 16QAM



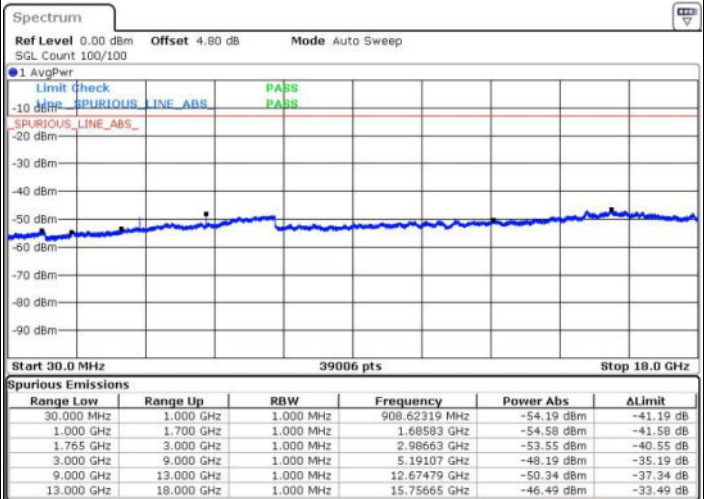
Date: 7 JUN 2016 01:04:12

Middle Channel / QPSK



Date: 7 JUN 2016 01:05:50

Middle Channel / 16QAM

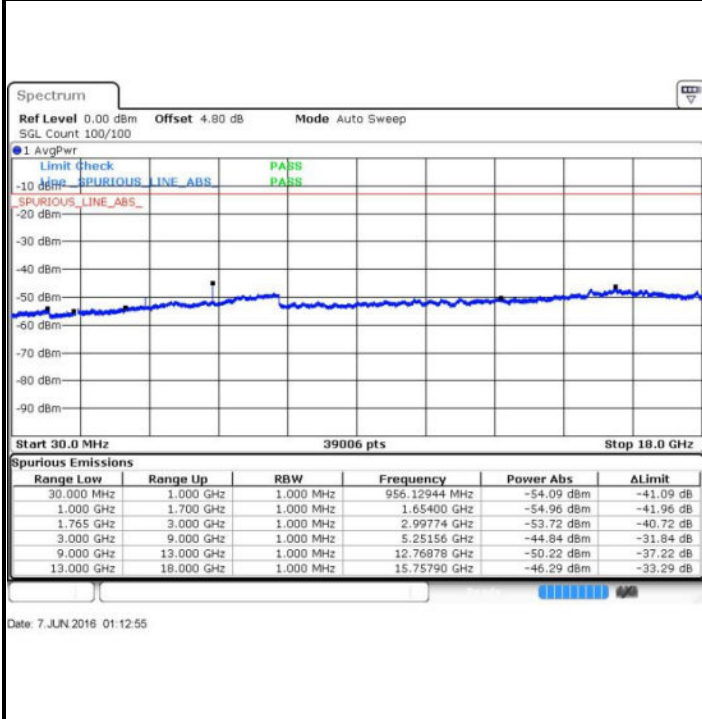


Date: 7 JUN 2016 01:06:45



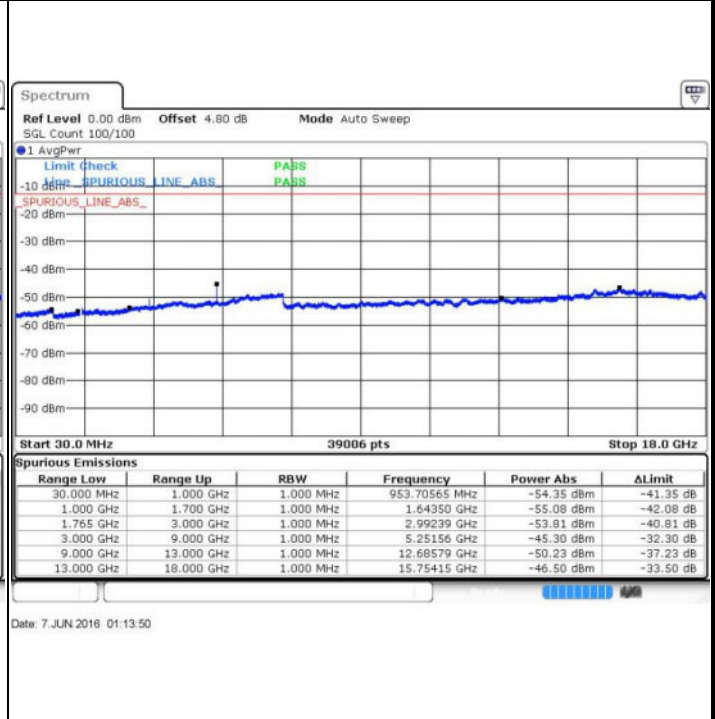
LTE Band 4 / 5MHz

Highest Channel / QPSK



Date: 7\_JUN 2016 01:12:55

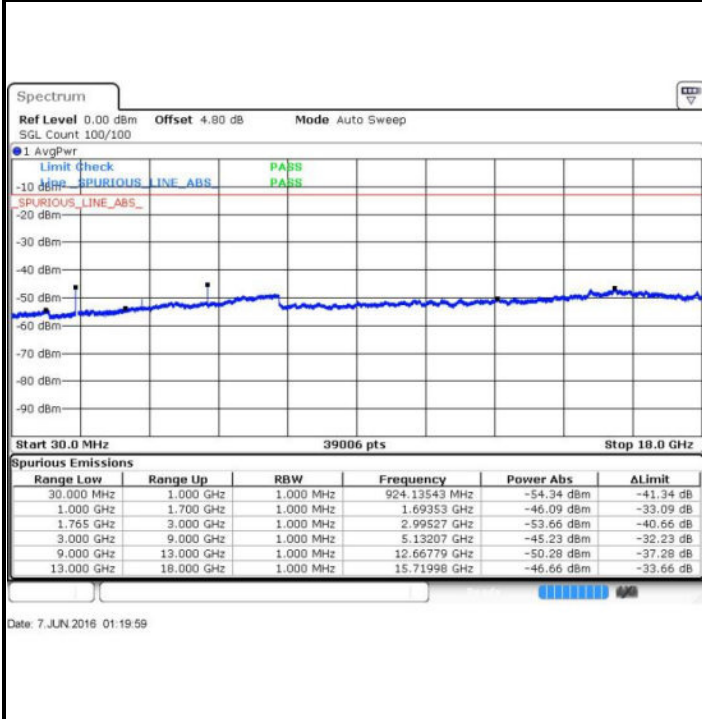
Highest Channel / 16QAM



Date: 7\_JUN 2016 01:13:50

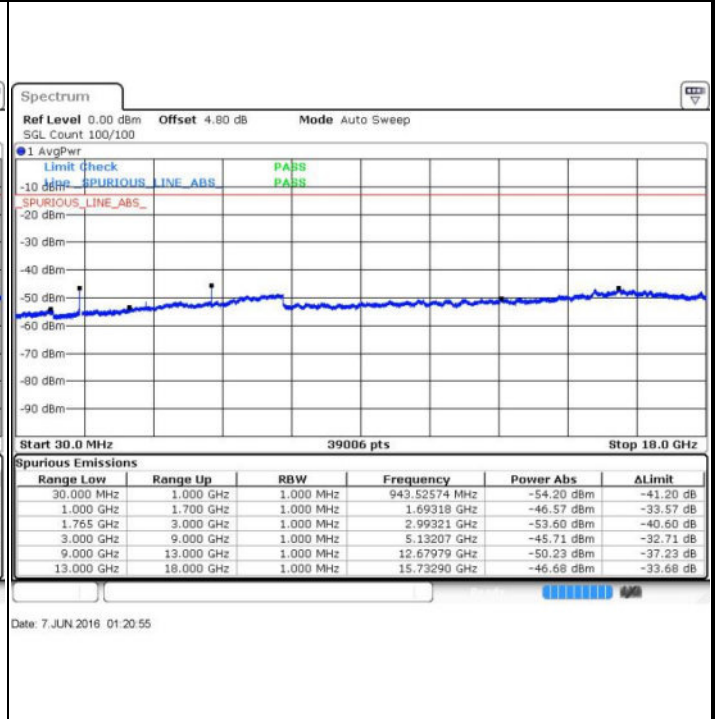
LTE Band 4 / 10MHz

Lowest Channel / QPSK



Date: 7\_JUN 2016 01:19:59

Lowest Channel / 16QAM



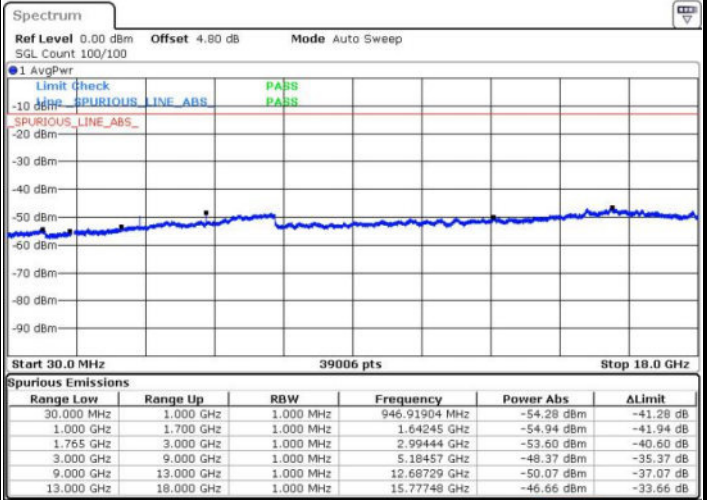
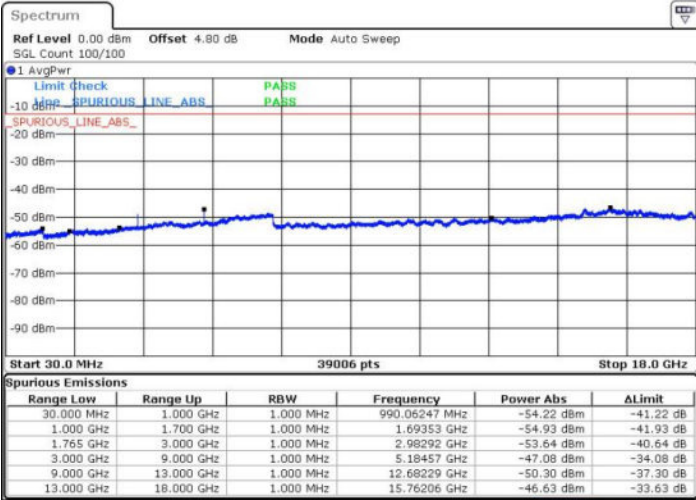
Date: 7\_JUN 2016 01:20:55



LTE Band 4 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

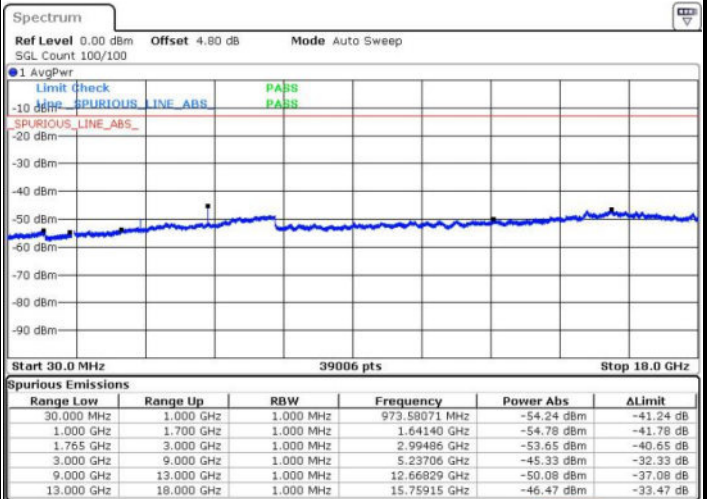
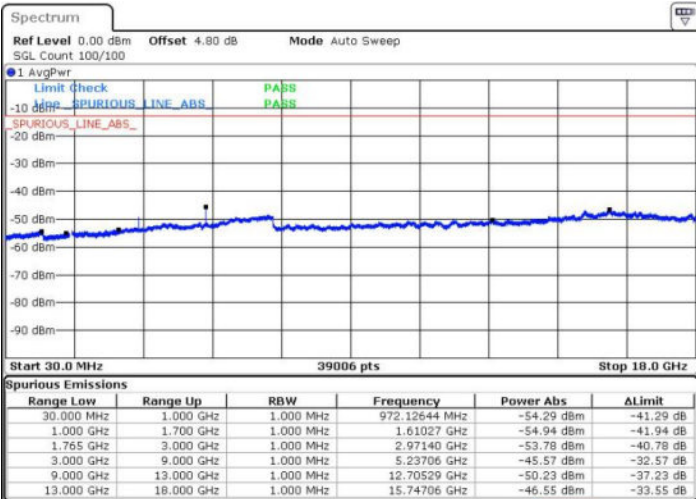


Date: 7 JUN 2016 01:22:32

Date: 7 JUN 2016 01:23:27

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 7 JUN 2016 01:29:37

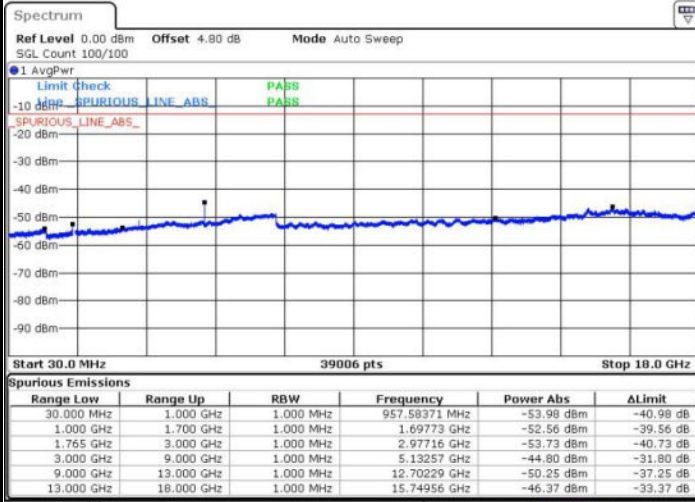
Date: 7 JUN 2016 01:30:32





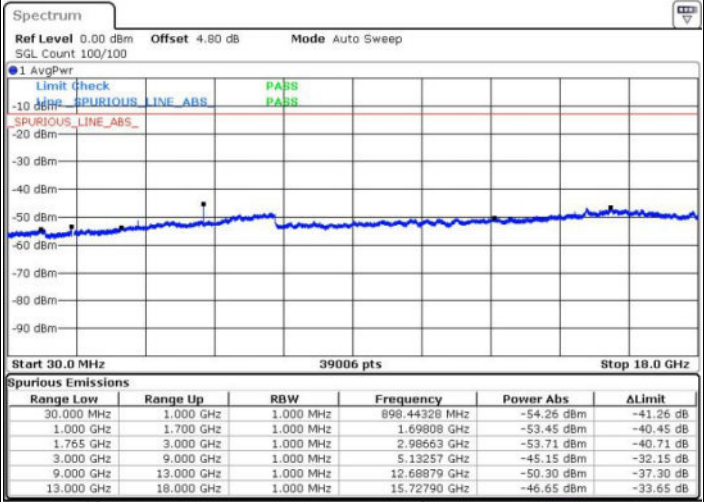
LTE Band 4 / 15MHz

Lowest Channel / QPSK



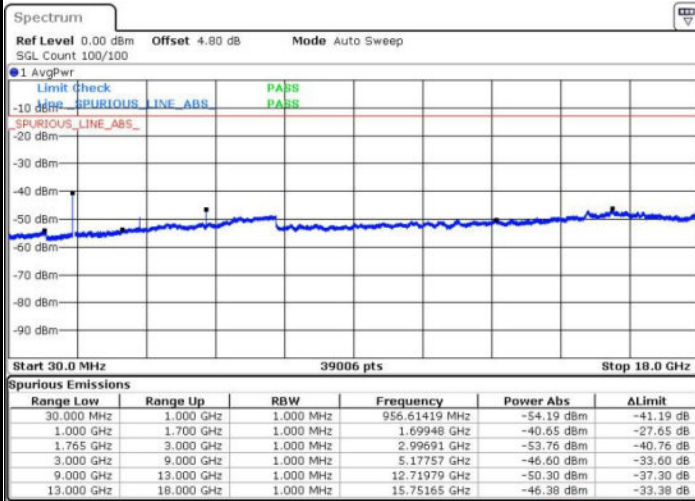
Date: 7 JUN 2016 01:36:42

Lowest Channel / 16QAM



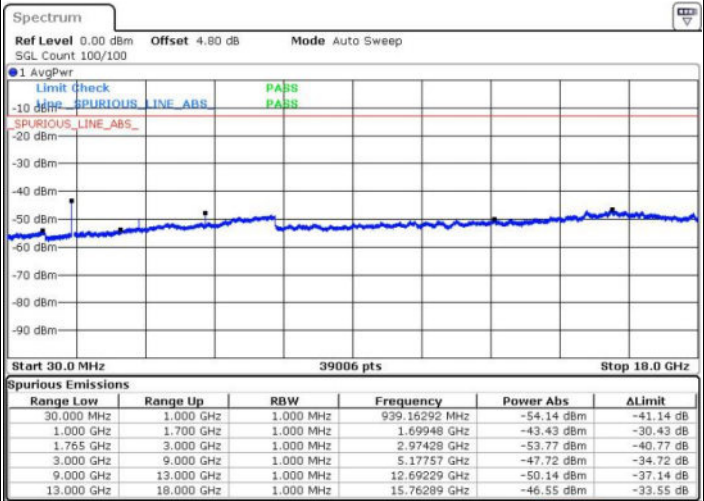
Date: 7 JUN 2016 01:37:37

Middle Channel / QPSK



Date: 7 JUN 2016 01:39:15

Middle Channel / 16QAM

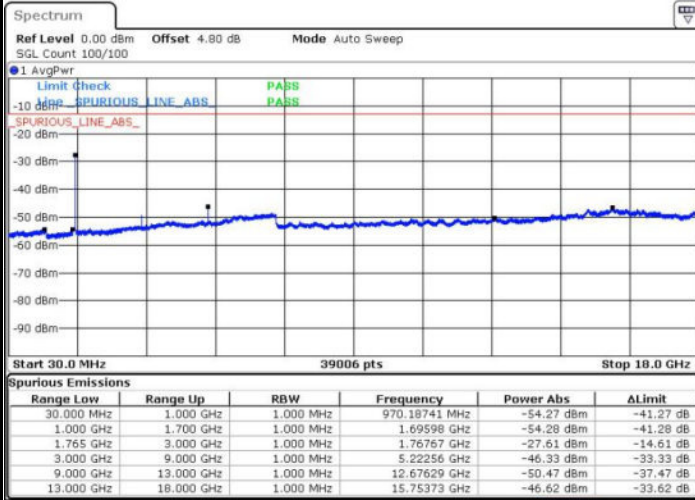


Date: 7 JUN 2016 01:40:10



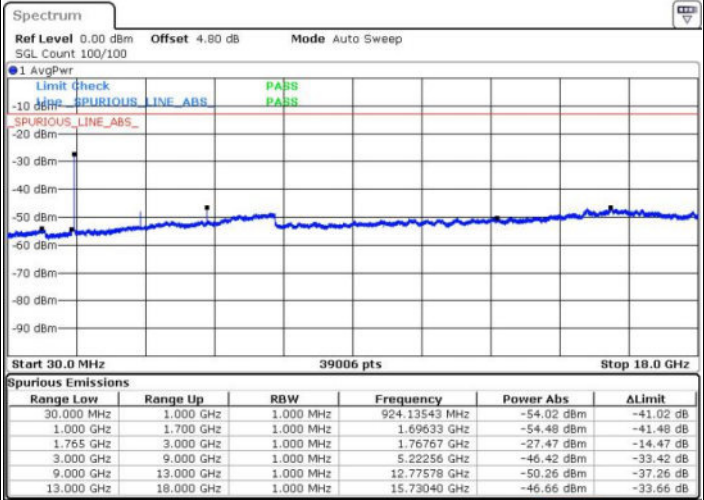
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 7\_JUN 2016 01:46:20

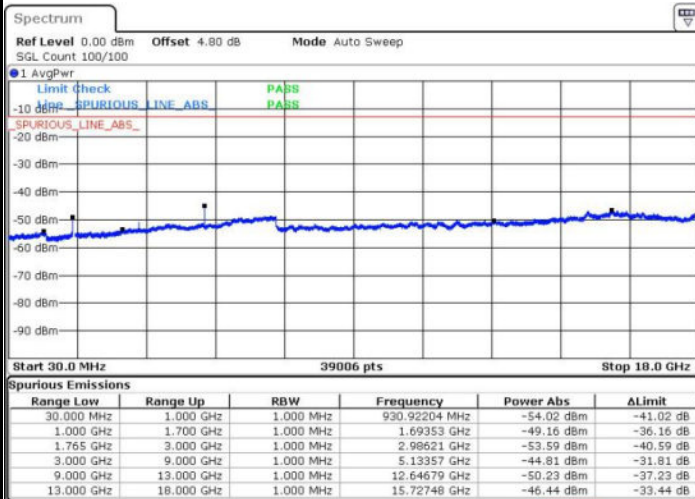
Highest Channel / 16QAM



Date: 7\_JUN 2016 01:47:15

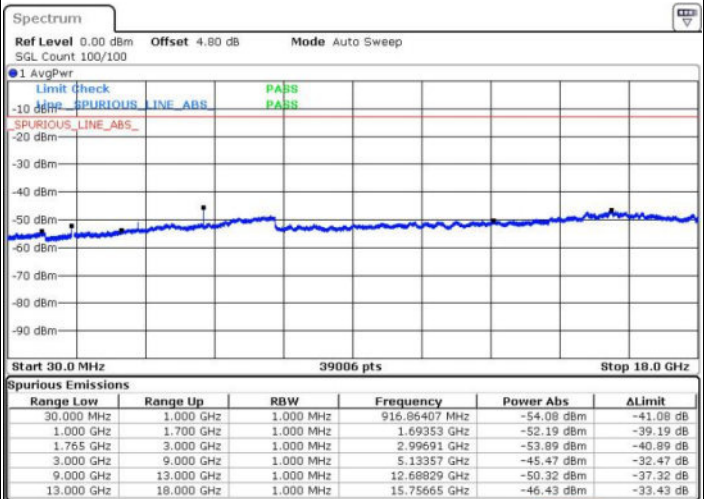
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 7\_JUN 2016 01:53:24

Lowest Channel / 16QAM



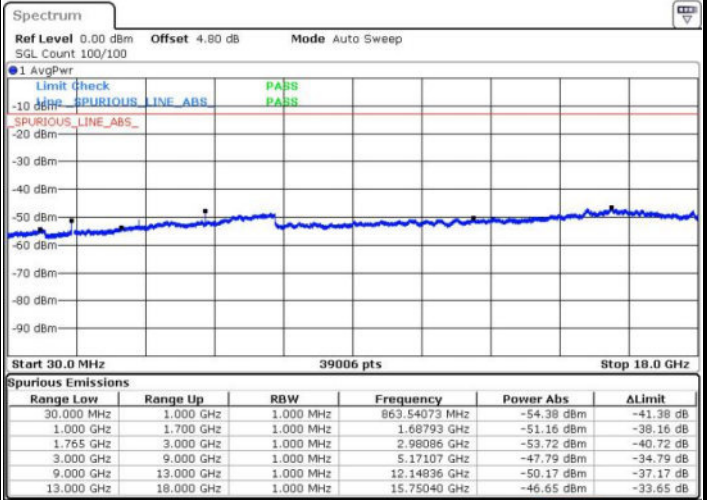
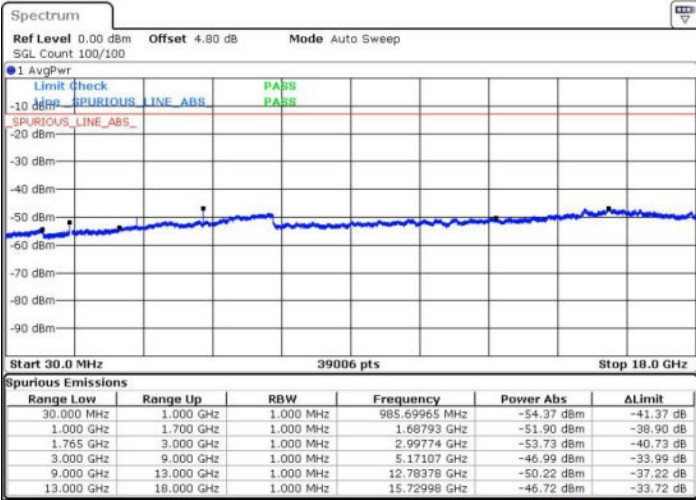
Date: 7\_JUN 2016 01:54:19



LTE Band 4 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

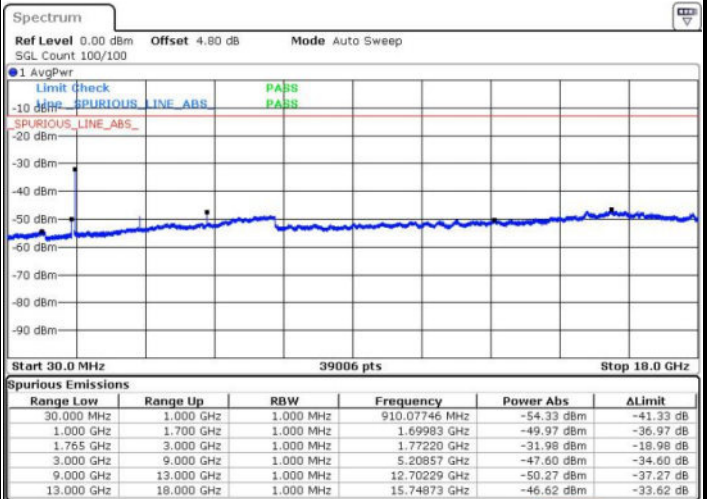
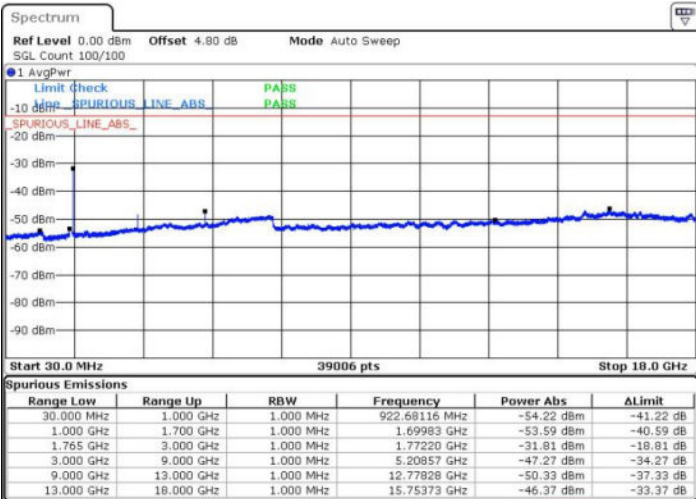


Date: 7 JUN 2016 01:55:57

Date: 7 JUN 2016 01:56:52

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 7 JUN 2016 02:03:02

Date: 7 JUN 2016 02:03:57



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	0.0050	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0040	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0041	
0	Normal Voltage	0.0042	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0057	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0014	
20	Battery End Point	0.0010	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.7 V. ; Maximum Voltage =4.2 V
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

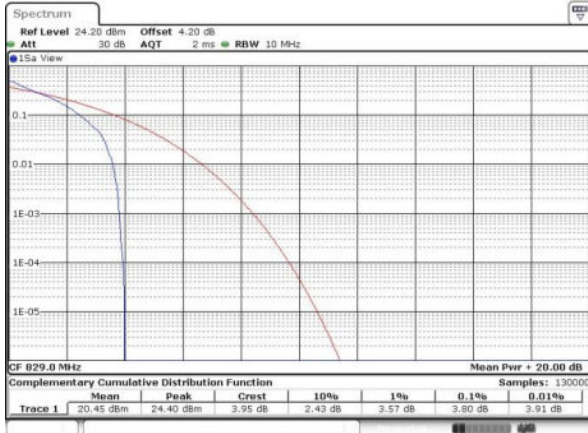
Mode	LTE Band 5 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.80	5.33	5.28	6.09	PASS
Middle CH	4.64	5.45	5.65	6.26	
Highest CH	4.58	5.42	5.57	6.14	





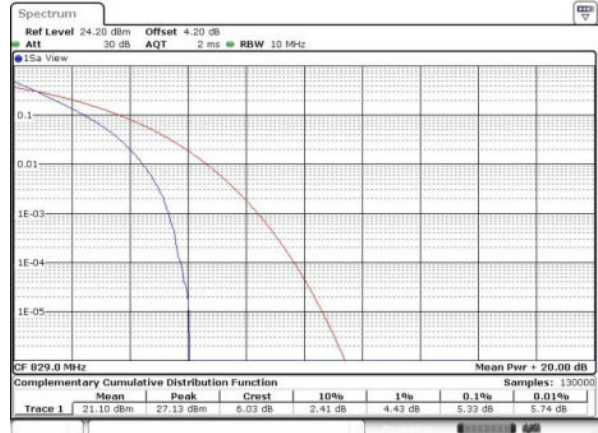
LTE Band 5 / 10MHz / QPSK

Lowest Channel / 1RB



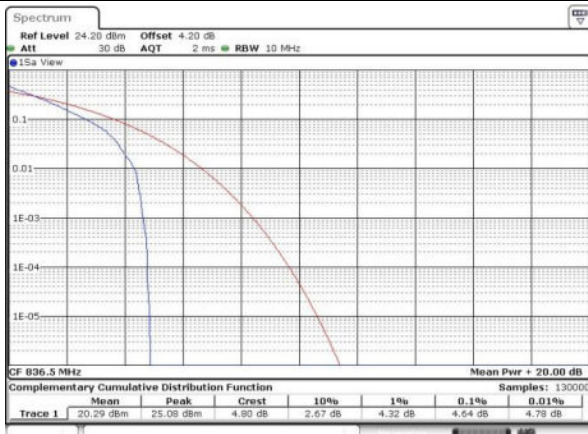
Date: 7 JUN 2016 05:52:46

Lowest Channel / Full RB



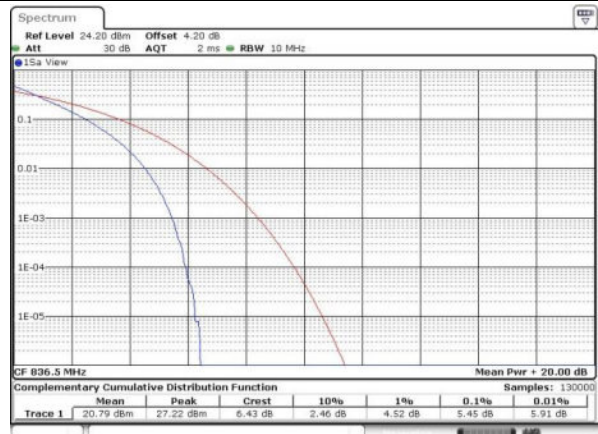
Date: 7 JUN 2016 05:52:57

Middle Channel / 1RB



Date: 7 JUN 2016 05:53:07

Middle Channel / Full RB



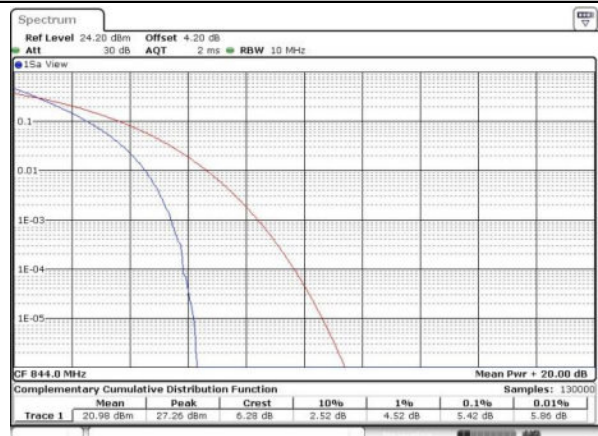
Date: 7 JUN 2016 05:53:17

Highest Channel / 1RB



Date: 7 JUN 2016 05:53:26

Highest Channel / Full RB

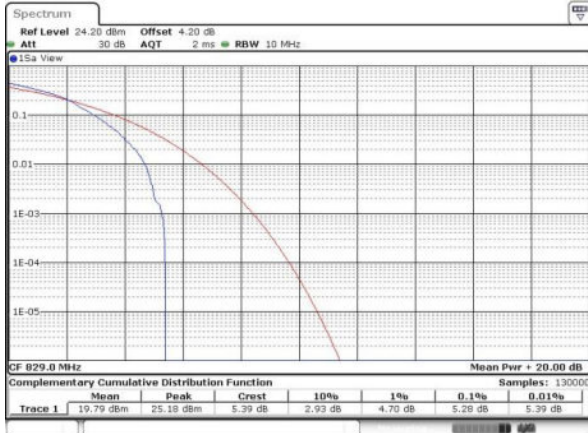


Date: 7 JUN 2016 05:53:36



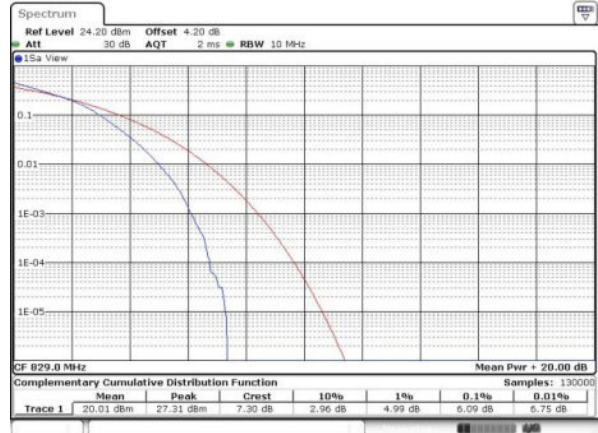
LTE Band 5 / 10MHz / 16QAM

Lowest Channel / 1RB



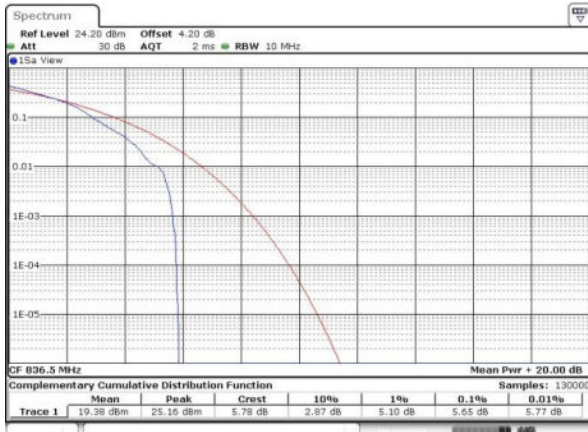
Date: 7 JUN 2016 05:51:46

Lowest Channel / Full RB



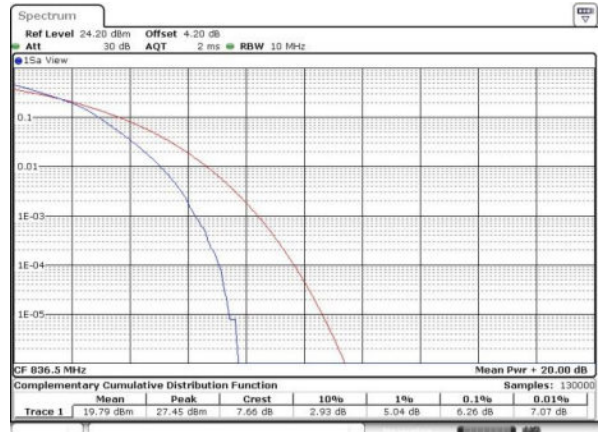
Date: 7 JUN 2016 05:51:56

Middle Channel / 1RB



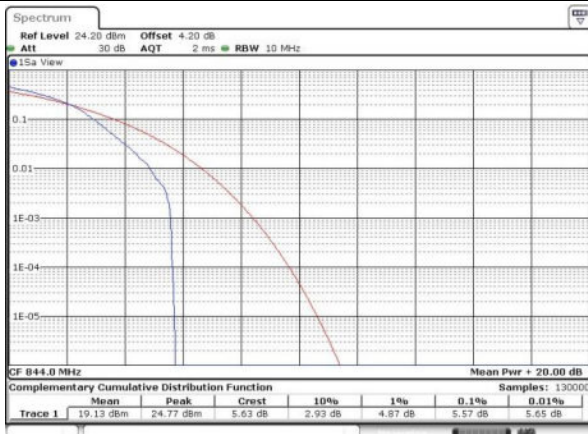
Date: 7 JUN 2016 05:52:06

Middle Channel / Full RB



Date: 7 JUN 2016 05:52:16

Highest Channel / 1RB



Date: 7 JUN 2016 05:52:26

Highest Channel / Full RB



Date: 7 JUN 2016 05:52:37



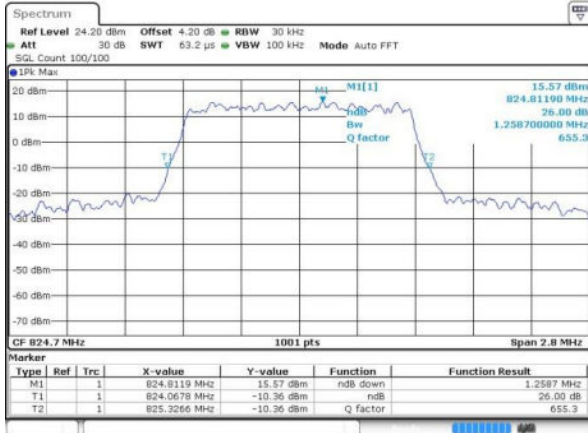
**26dB Bandwidth**

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
Lowest CH	1.259	1.264	2.973	2.973	5.015	4.915	9.910	9.910	-	-	-	-
Middle CH	1.245	1.253	3.009	3.003	4.955	5.015	9.710	9.770	-	-	-	-
Highest CH	1.248	1.276	2.985	3.009	4.915	4.915	10.030	9.850	-	-	-	-



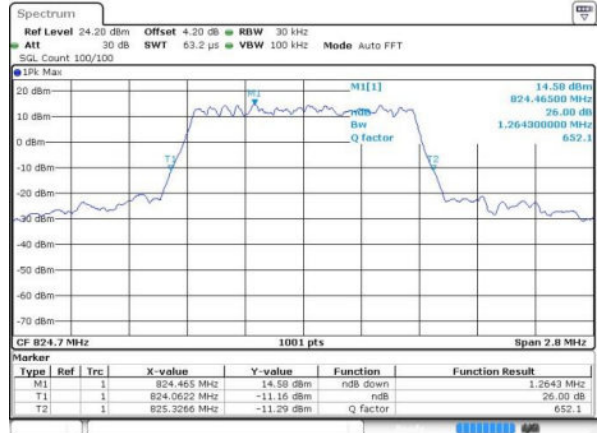
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



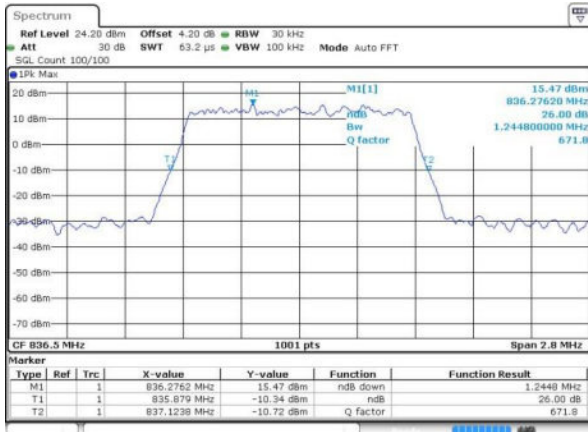
Date: 7 JUN 2016 03:29:32

Lowest Channel / 1.4MHz / 16QAM



Date: 7 JUN 2016 03:29:21

Middle Channel / 1.4MHz / QPSK



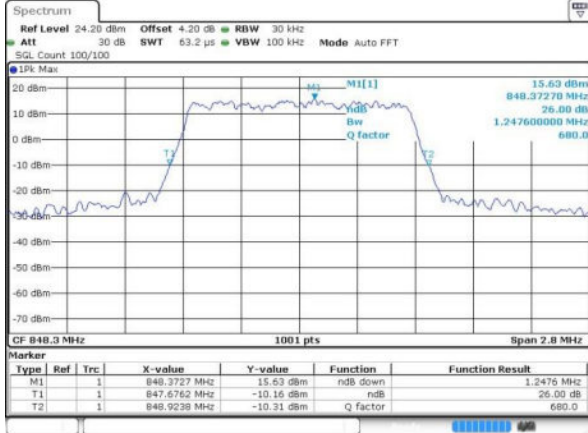
Date: 7 JUN 2016 03:44:25

Middle Channel / 1.4MHz / 16QAM



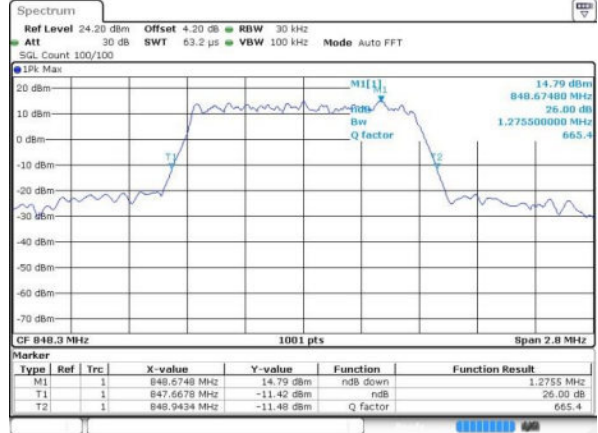
Date: 7 JUN 2016 03:44:36

Highest Channel / 1.4MHz / QPSK



Date: 7 JUN 2016 03:46:58

Highest Channel / 1.4MHz / 16QAM



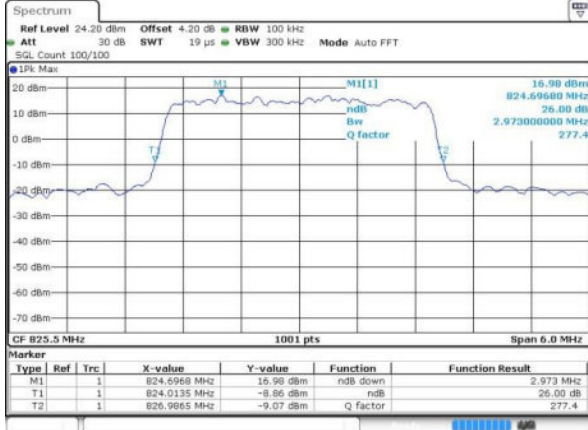
Date: 7 JUN 2016 03:47:08





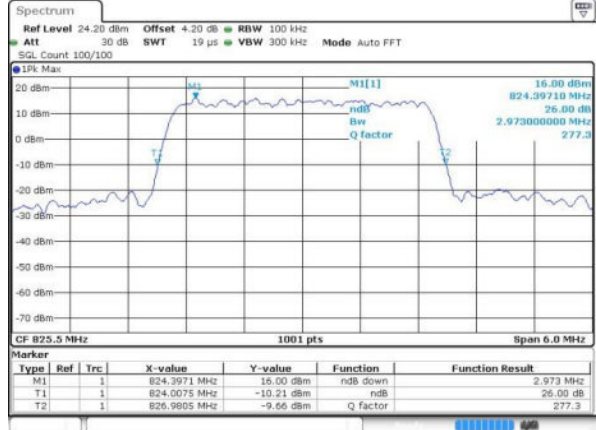
LTE Band 5

Lowest Channel / 3MHz / QPSK



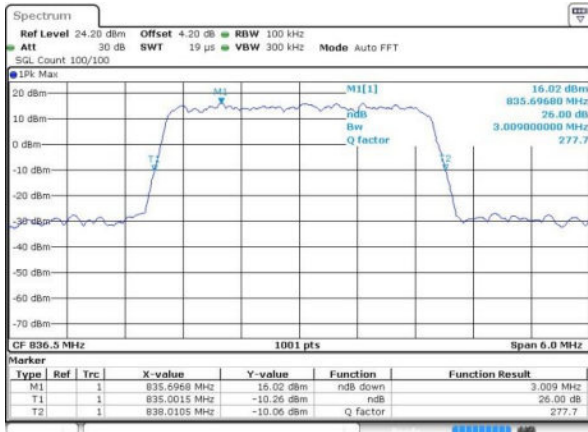
Date: 7 JUN 2016 04:02:01

Lowest Channel / 3MHz / 16QAM



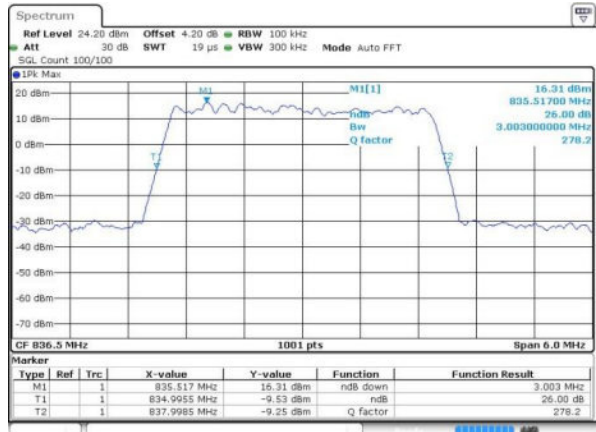
Date: 7 JUN 2016 04:02:12

Middle Channel / 3MHz / QPSK



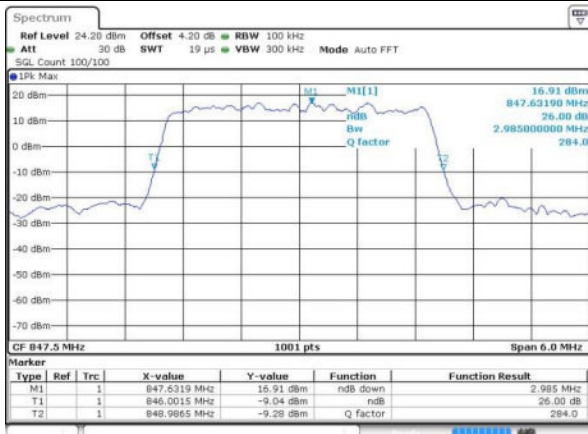
Date: 7 JUN 2016 04:17:05

Middle Channel / 3MHz / 16QAM



Date: 7 JUN 2016 04:17:16

Highest Channel / 3MHz / QPSK



Date: 7 JUN 2016 04:19:37

Highest Channel / 3MHz / 16QAM

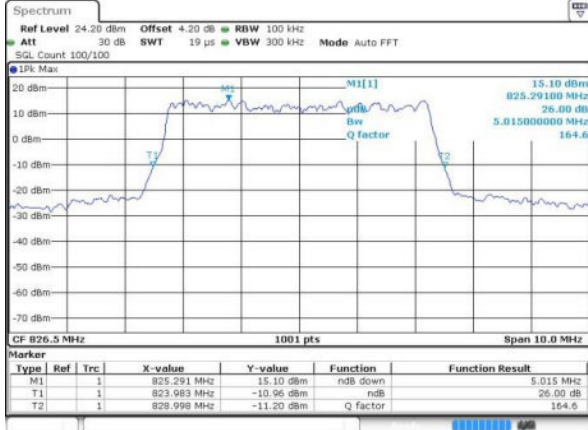


Date: 7 JUN 2016 04:19:48



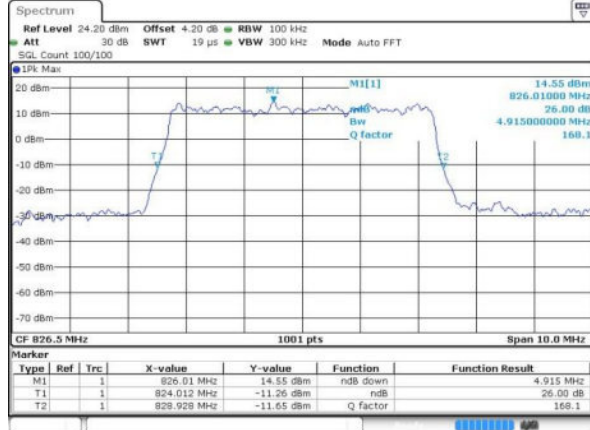
LTE Band 5

Lowest Channel / 5MHz / QPSK



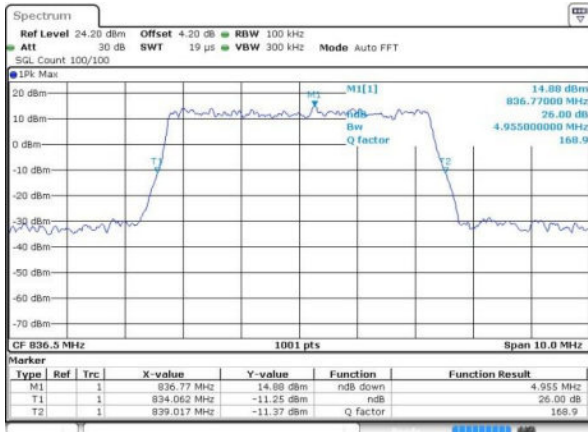
Date: 7 JUN 2016 04:34:41

Lowest Channel / 5MHz / 16QAM



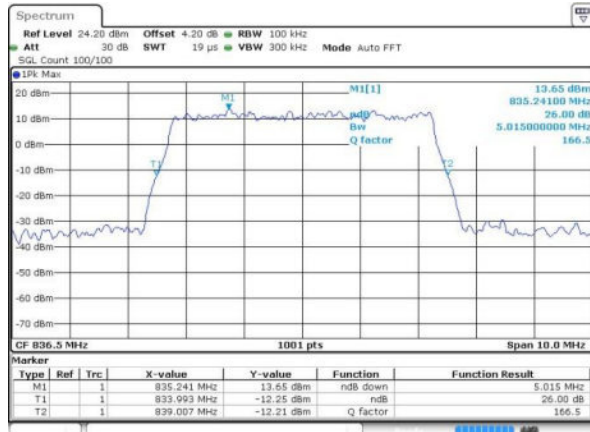
Date: 7 JUN 2016 04:34:52

Middle Channel / 5MHz / QPSK



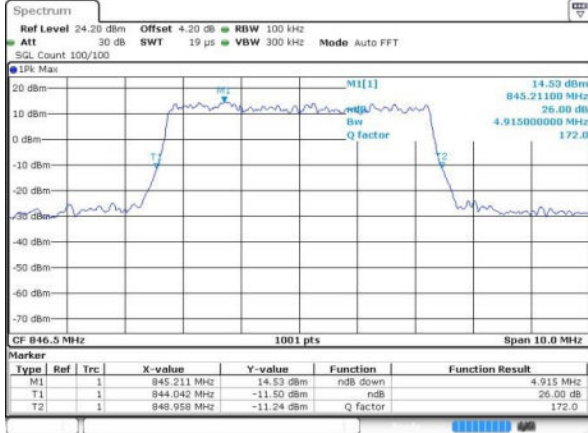
Date: 7 JUN 2016 04:49:45

Middle Channel / 5MHz / 16QAM



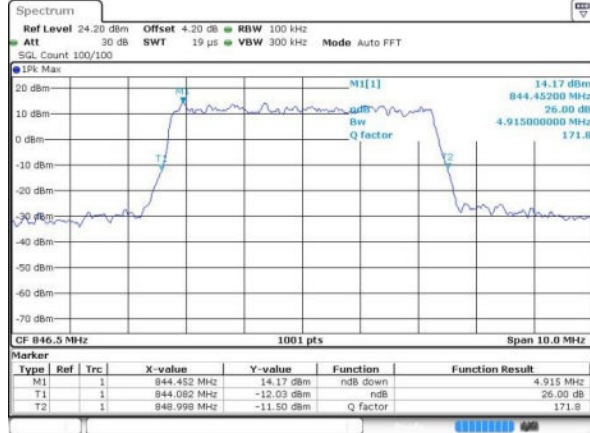
Date: 7 JUN 2016 04:49:56

Highest Channel / 5MHz / QPSK



Date: 7 JUN 2016 04:52:17

Highest Channel / 5MHz / 16QAM



Date: 7 JUN 2016 04:52:28



LTE Band 5

Lowest Channel / 10MHz / QPSK



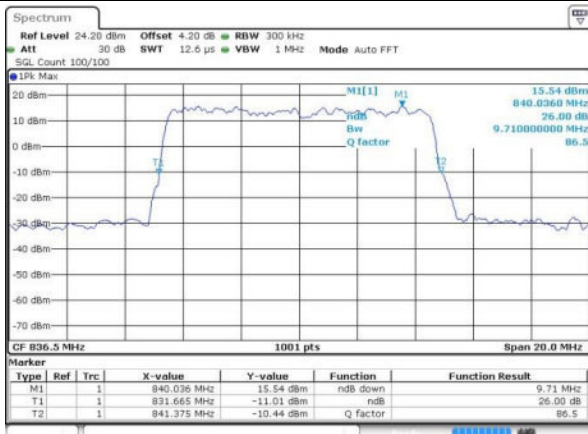
Date: 7 JUN 2016 05:07:21

Lowest Channel / 10MHz / 16QAM



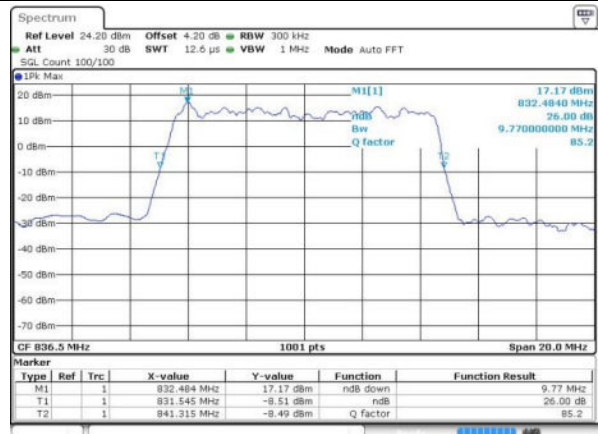
Date: 7 JUN 2016 05:07:31

Middle Channel / 10MHz / QPSK



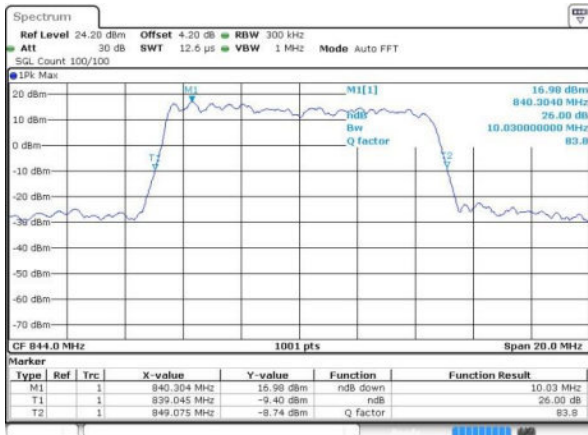
Date: 7 JUN 2016 05:22:25

Middle Channel / 10MHz / 16QAM



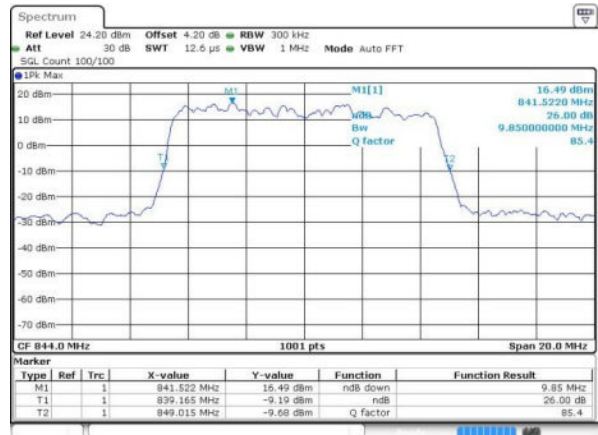
Date: 7 JUN 2016 05:22:35

Highest Channel / 10MHz / QPSK



Date: 7 JUN 2016 05:24:57

Highest Channel / 10MHz / 16QAM



Date: 7 JUN 2016 05:25:07



### Occupied Bandwidth

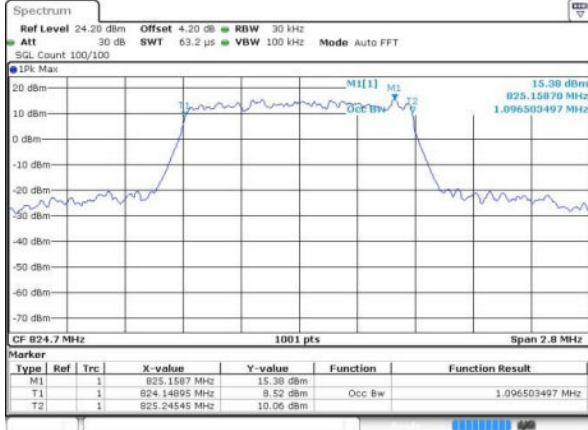
Mode	LTE Band 5 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.10	1.09	2.73	2.72	4.50	4.51	9.05	9.05	-	-	-	-
Middle CH	1.09	1.09	2.70	2.72	4.52	4.50	9.05	9.09	-	-	-	-
Highest CH	1.09	1.09	2.72	2.71	4.51	4.50	9.01	9.01	-	-	-	-





LTE Band 5

Lowest Channel / 1.4MHz / QPSK



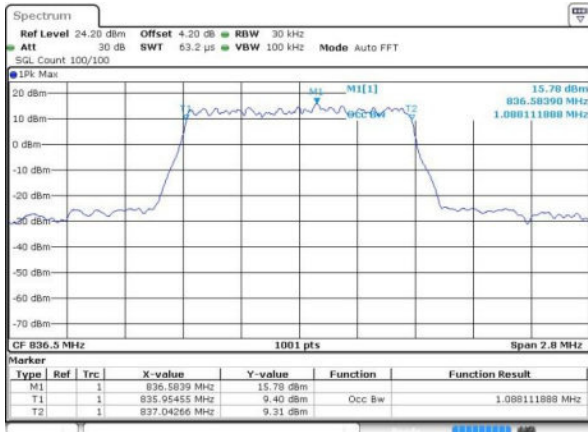
Date: 7 JUN 2016 03:29:00

Lowest Channel / 1.4MHz / 16QAM



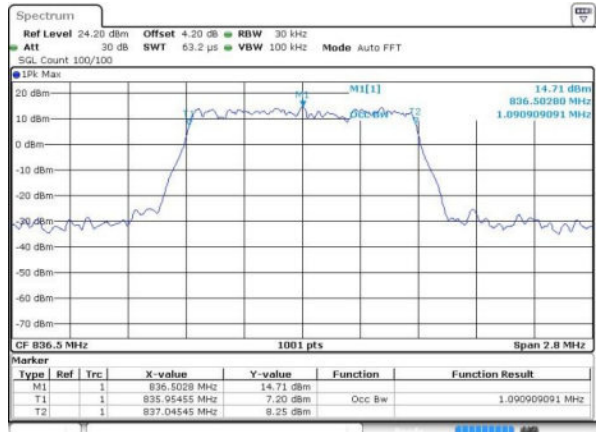
Date: 7 JUN 2016 03:29:11

Middle Channel / 1.4MHz / QPSK



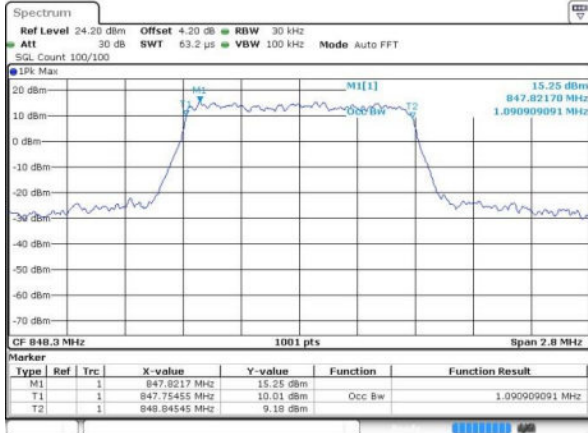
Date: 7 JUN 2016 03:44:04

Middle Channel / 1.4MHz / 16QAM



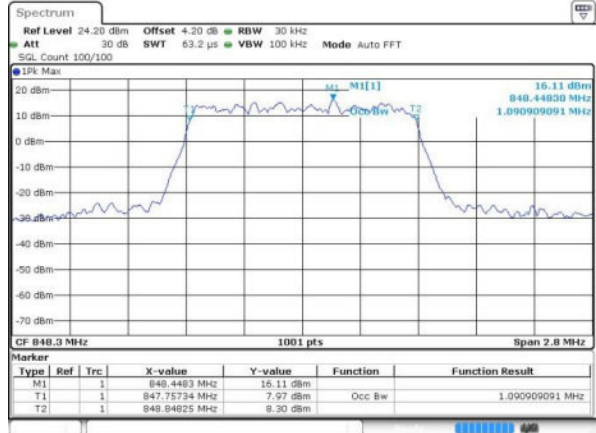
Date: 7 JUN 2016 03:44:15

Highest Channel / 1.4MHz / QPSK



Date: 7 JUN 2016 03:46:36

Highest Channel / 1.4MHz / 16QAM

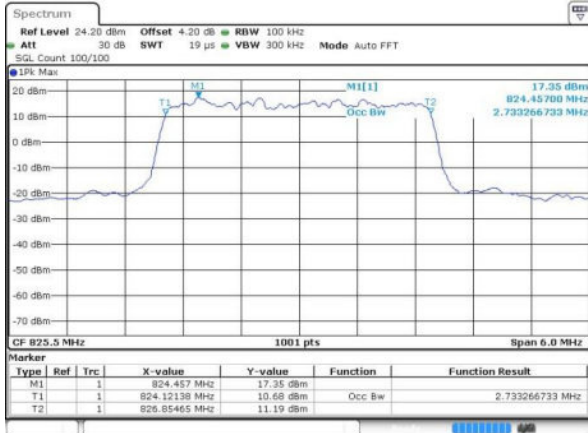


Date: 7 JUN 2016 03:46:47



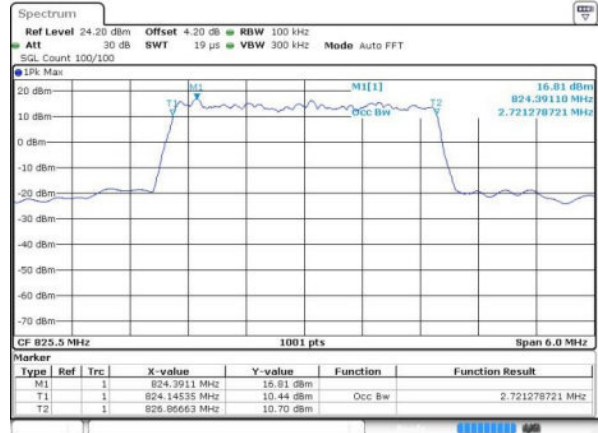
LTE Band 5

Lowest Channel / 3MHz / QPSK



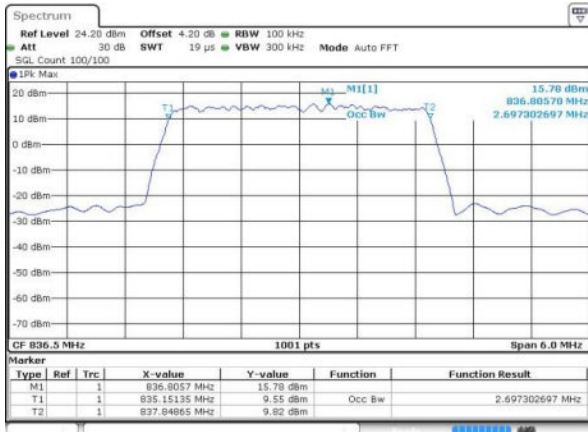
Date: 7 JUN 2016 04:01:40

Lowest Channel / 3MHz / 16QAM



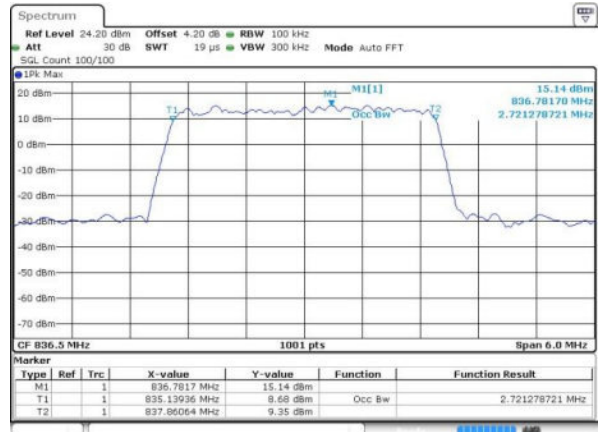
Date: 7 JUN 2016 04:01:51

Middle Channel / 3MHz / QPSK



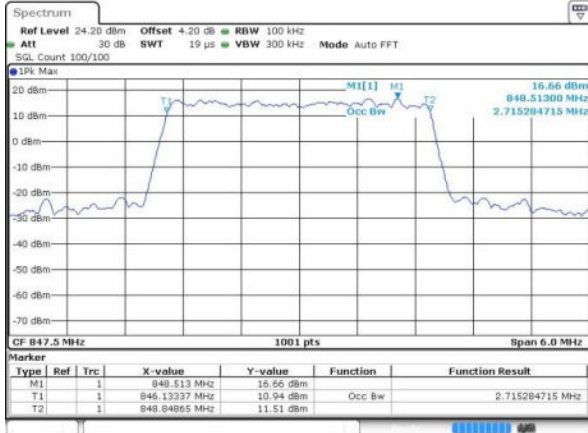
Date: 7 JUN 2016 04:16:44

Middle Channel / 3MHz / 16QAM



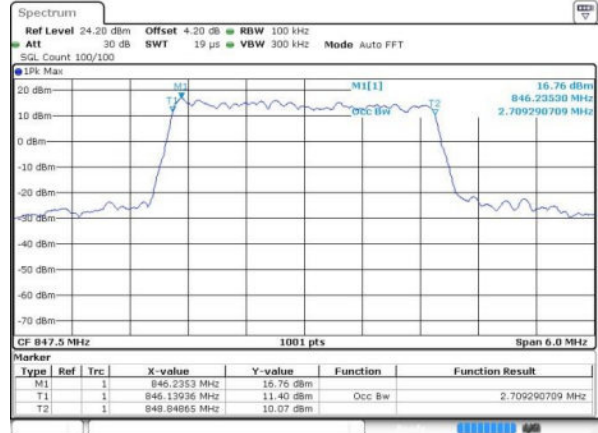
Date: 7 JUN 2016 04:16:55

Highest Channel / 3MHz / QPSK



Date: 7 JUN 2016 04:19:16

Highest Channel / 3MHz / 16QAM

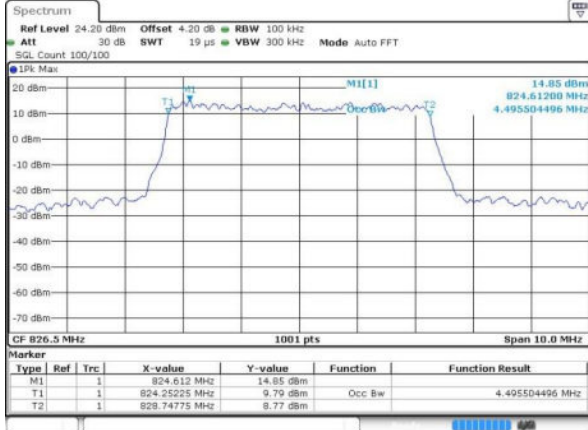


Date: 7 JUN 2016 04:19:27



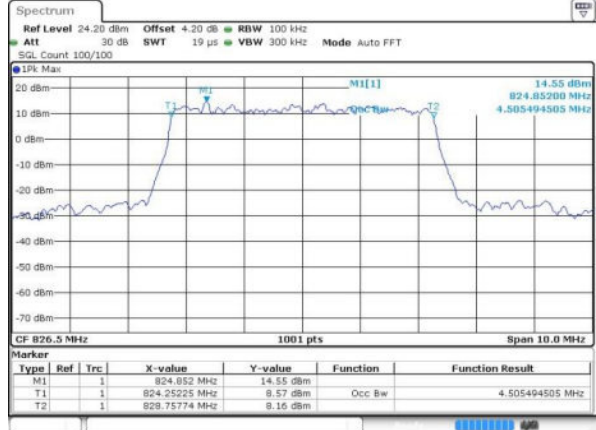
LTE Band 5

Lowest Channel / 5MHz / QPSK



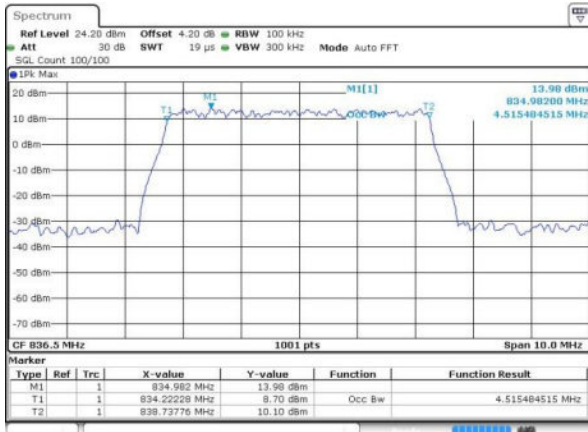
Date: 7 JUN 2016 04:34:20

Lowest Channel / 5MHz / 16QAM



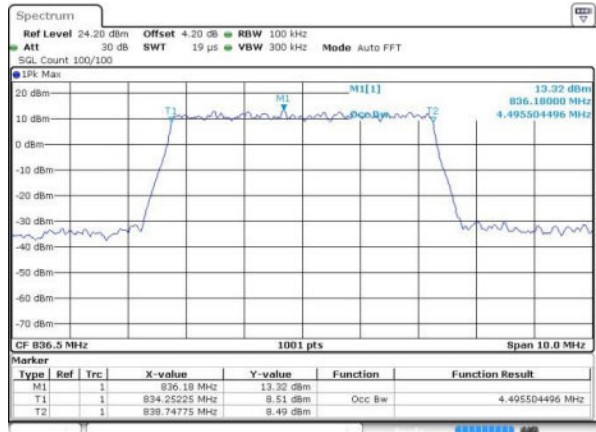
Date: 7 JUN 2016 04:34:31

Middle Channel / 5MHz / QPSK



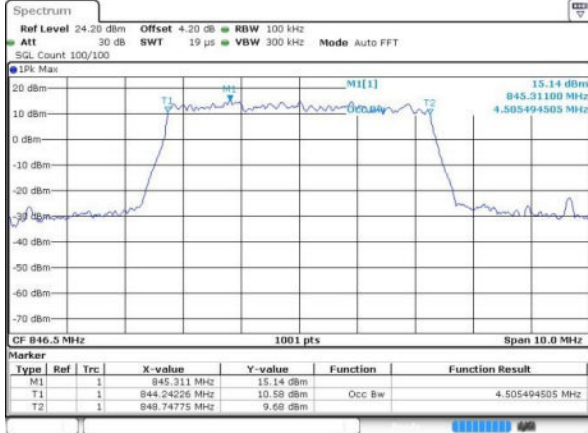
Date: 7 JUN 2016 04:49:24

Middle Channel / 5MHz / 16QAM



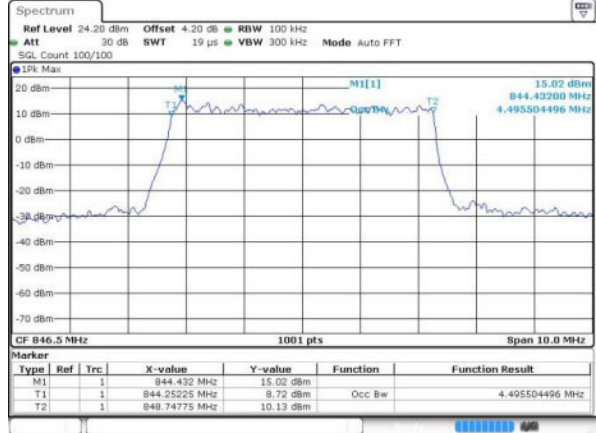
Date: 7 JUN 2016 04:49:34

Highest Channel / 5MHz / QPSK



Date: 7 JUN 2016 04:51:56

Highest Channel / 5MHz / 16QAM

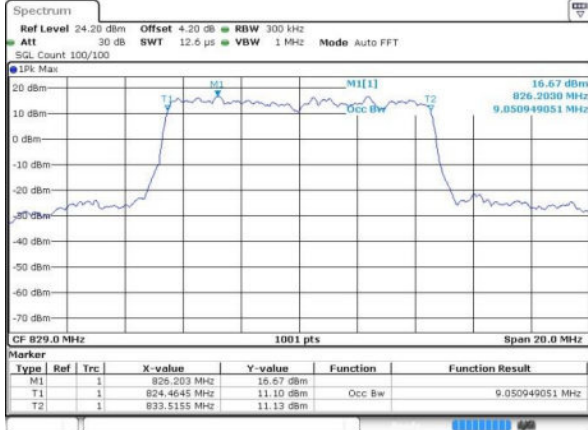


Date: 7 JUN 2016 04:52:06



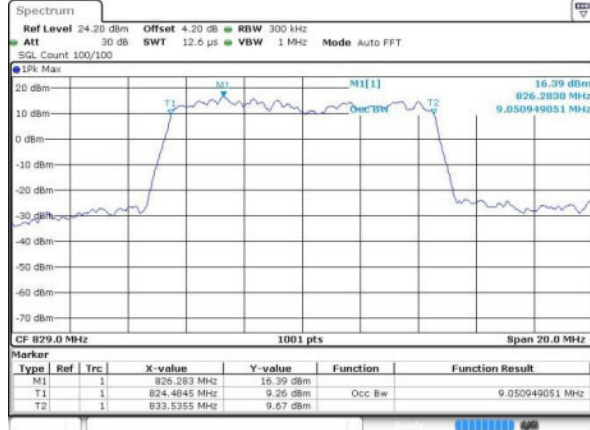
LTE Band 5

Lowest Channel / 10MHz / QPSK



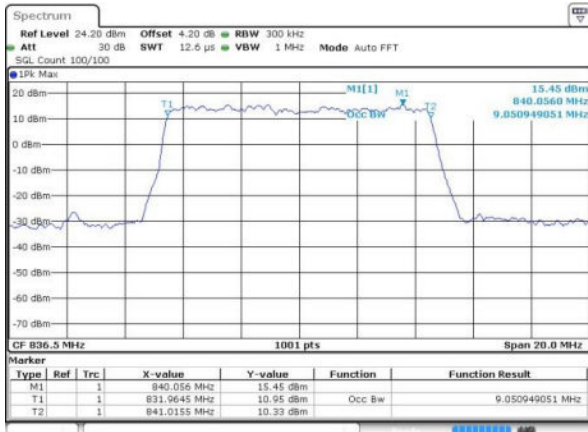
Date: 7 JUN 2016 05:07:00

Lowest Channel / 10MHz / 16QAM



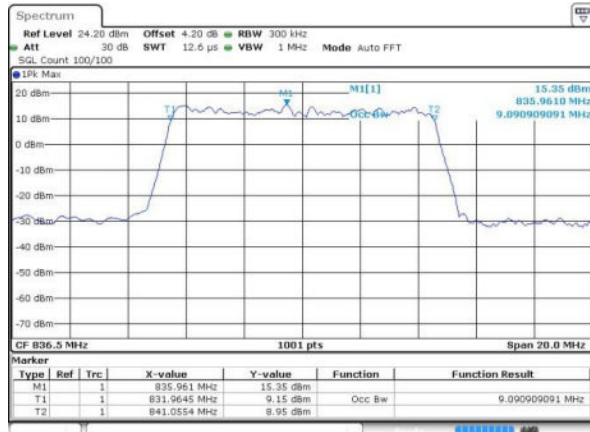
Date: 7 JUN 2016 05:07:10

Middle Channel / 10MHz / QPSK



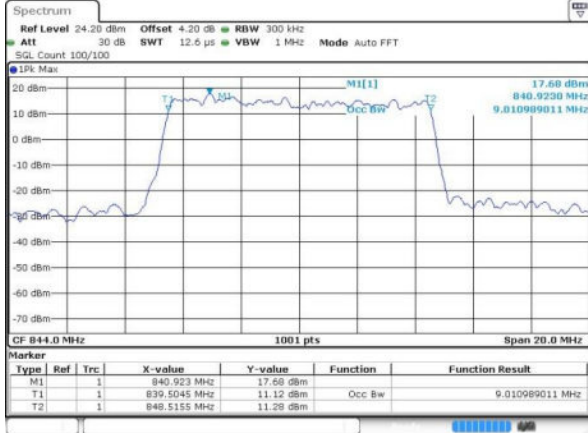
Date: 7 JUN 2016 05:22:04

Middle Channel / 10MHz / 16QAM



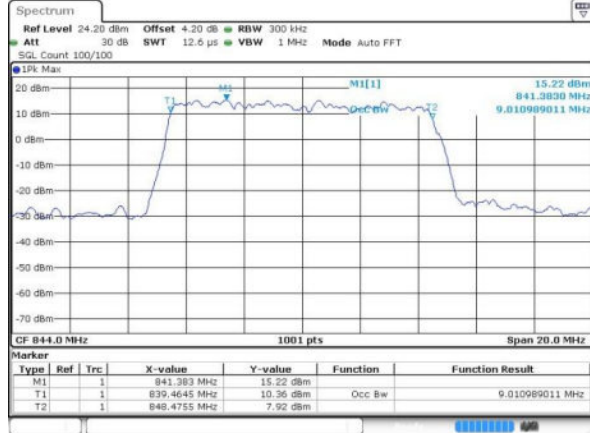
Date: 7 JUN 2016 05:22:14

Highest Channel / 10MHz / QPSK



Date: 7 JUN 2016 05:24:36

Highest Channel / 10MHz / 16QAM

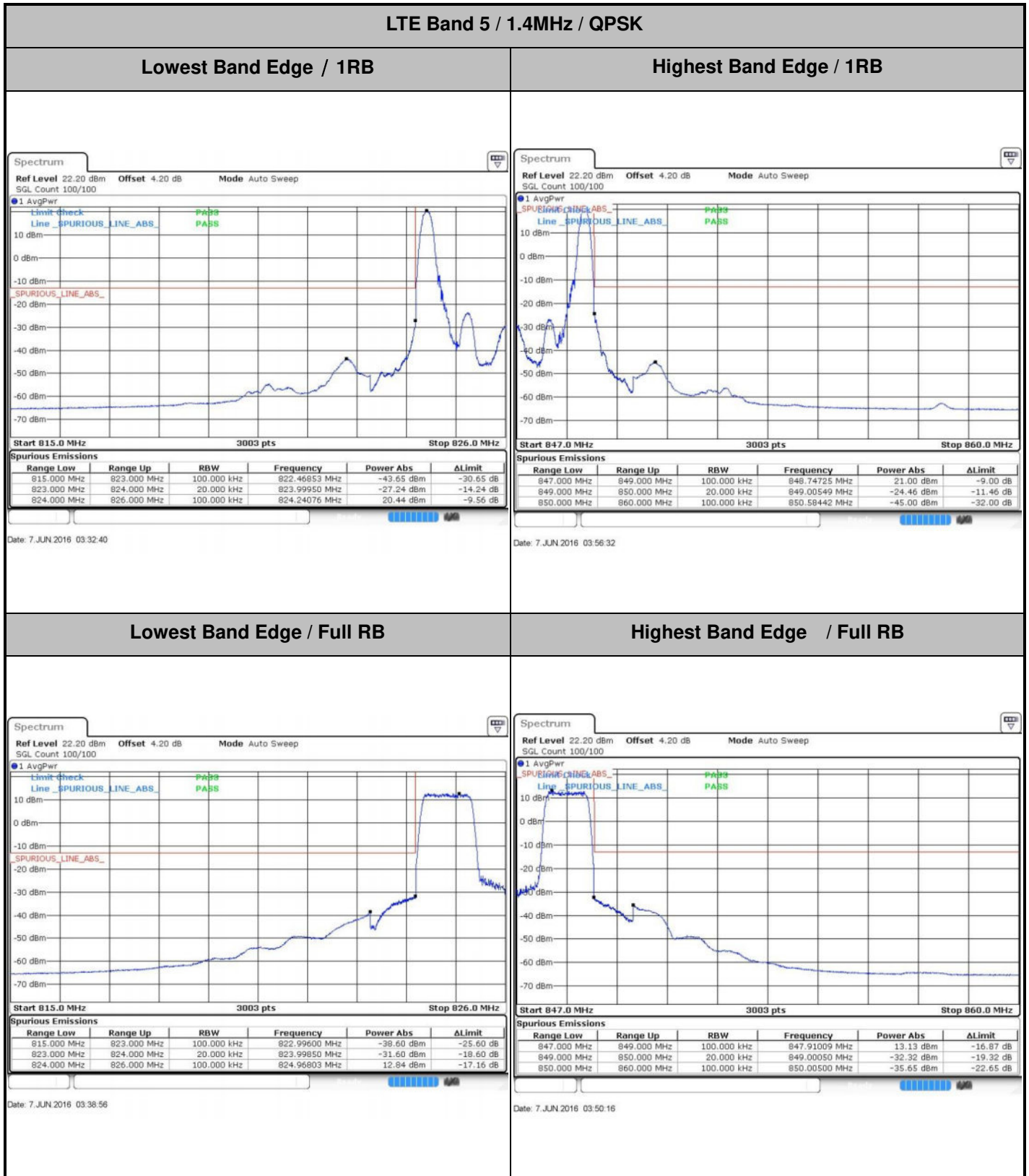


Date: 7 JUN 2016 05:24:46





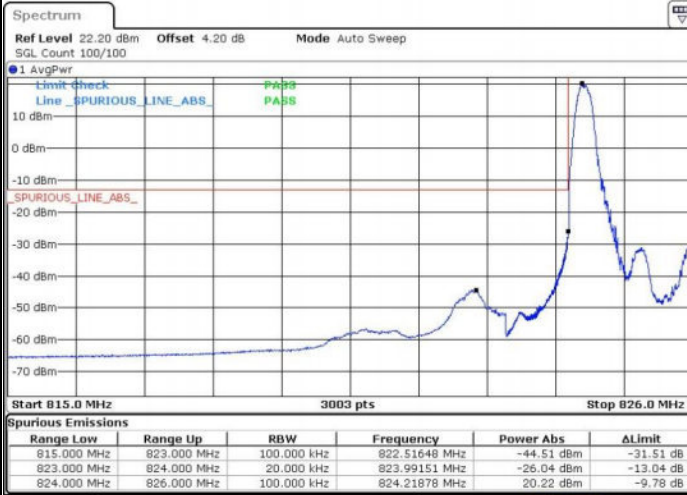
# Conducted Band Edge





LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 7 JUN 2016 03:35:48

Highest Band Edge / 1 RB



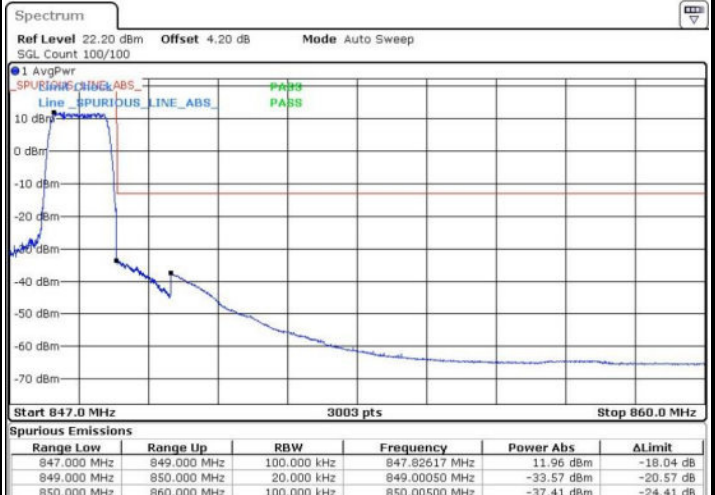
Date: 7 JUN 2016 03:58:40

Lowest Band Edge / Full RB



Date: 7 JUN 2016 03:42:04

Highest Band Edge / Full RB

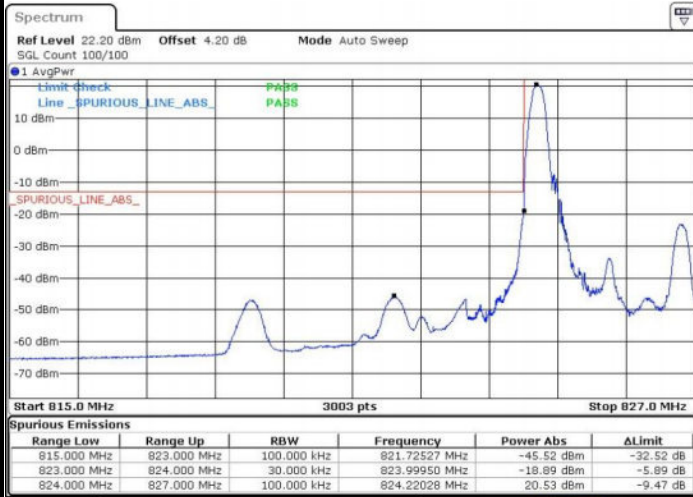


Date: 7 JUN 2016 03:53:24



LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



Date: 7 JUN 2016 04:05:20

Highest Band Edge / 1 RB



Date: 7 JUN 2016 04:22:56

Lowest Band Edge / Full RB



Date: 7 JUN 2016 04:11:36

Highest Band Edge / Full RB

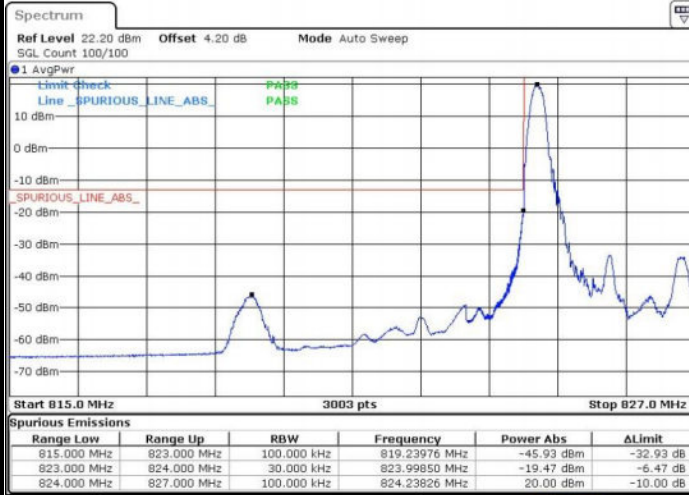


Date: 7 JUN 2016 04:29:12



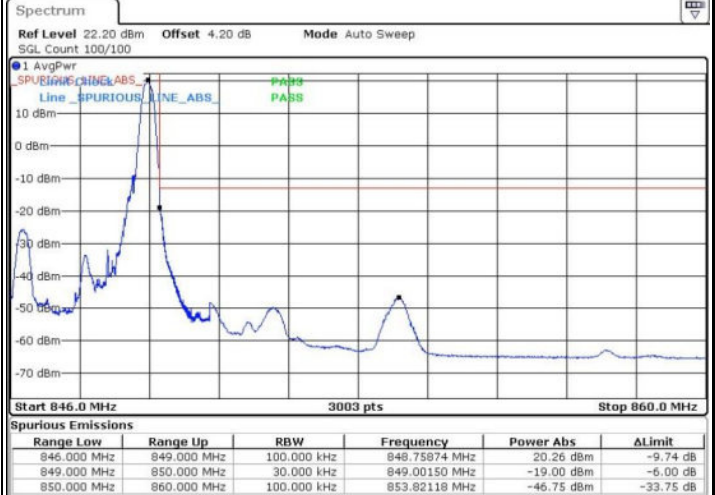
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 7 JUN 2016 04:08:28

Highest Band Edge / 1 RB



Date: 7 JUN 2016 04:26:04

Lowest Band Edge / Full RB



Date: 7 JUN 2016 04:14:44

Highest Band Edge / Full RB



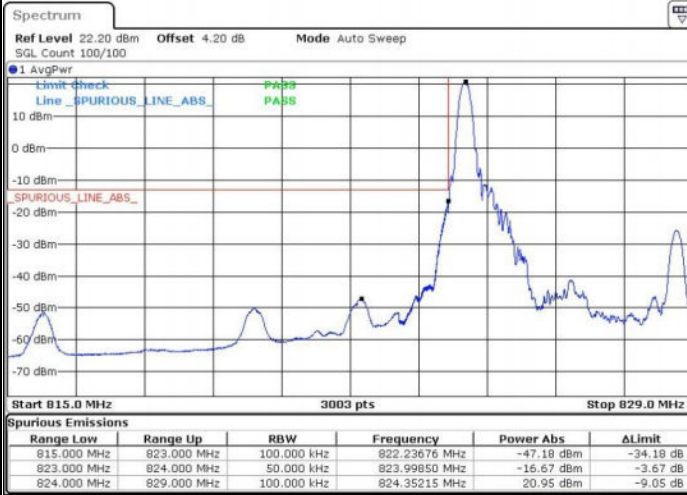
Date: 7 JUN 2016 04:32:20





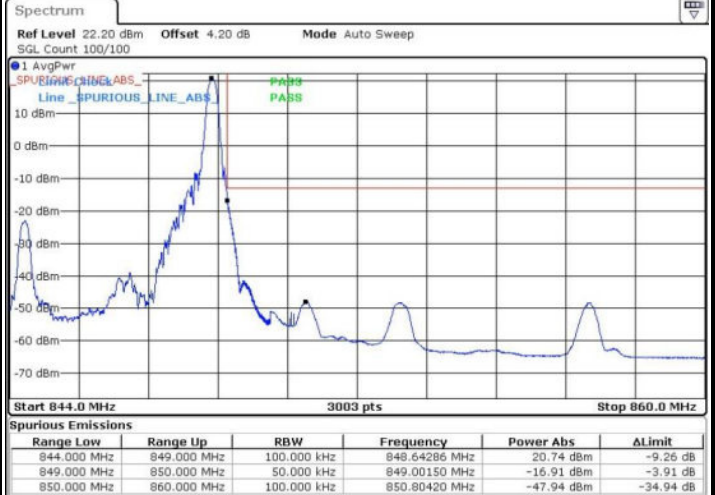
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



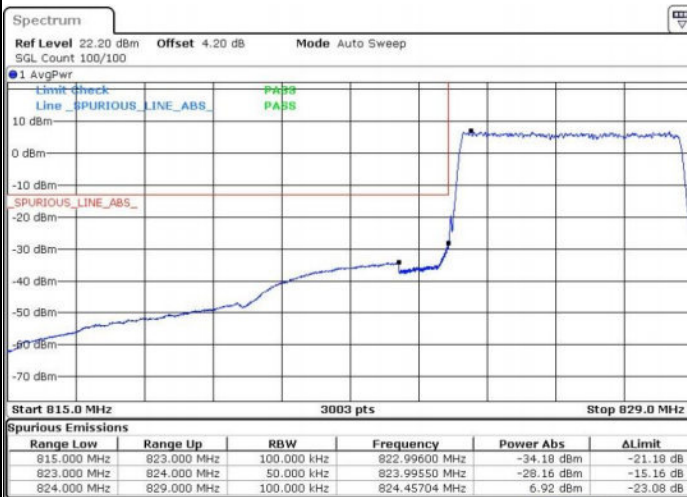
Date: 7 JUN 2016 04:38:00

Highest Band Edge / 1 RB



Date: 7 JUN 2016 04:55:36

Lowest Band Edge / Full RB



Date: 7 JUN 2016 04:44:16

Highest Band Edge / Full RB



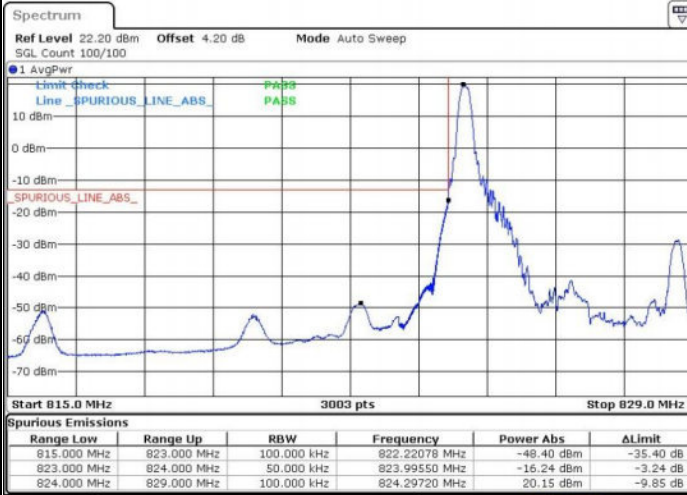
Date: 7 JUN 2016 05:01:52





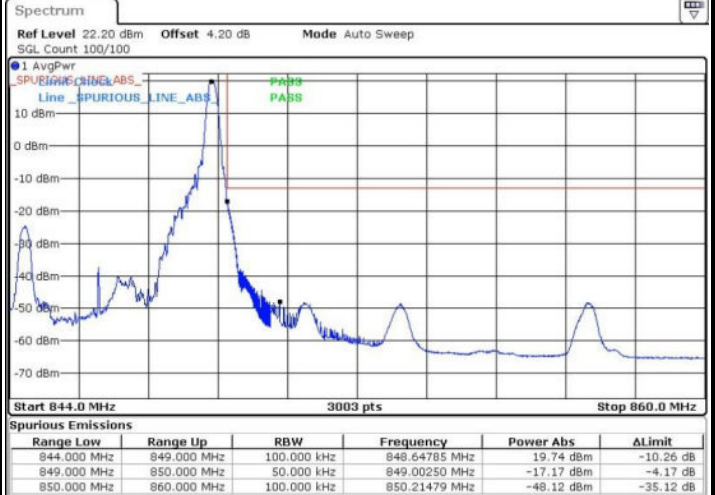
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



Date: 7 JUN 2016 04:41:08

Highest Band Edge / 1 RB



Date: 7 JUN 2016 04:58:44

Lowest Band Edge / Full RB



Date: 7 JUN 2016 04:47:24

Highest Band Edge / Full RB



Date: 7 JUN 2016 05:05:00