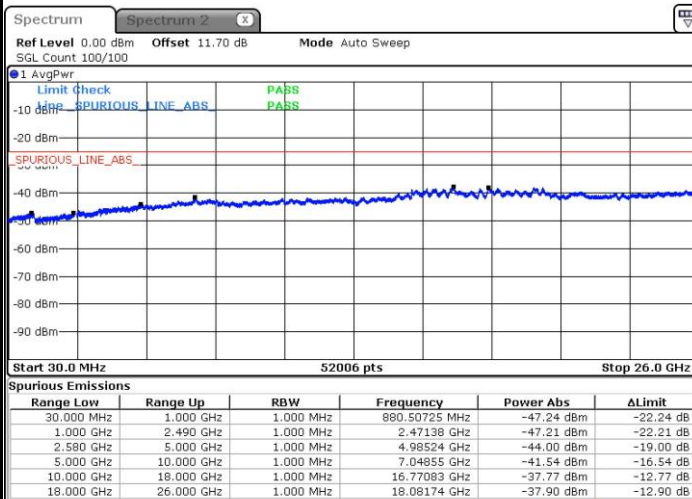




Conducted Spurious Emission

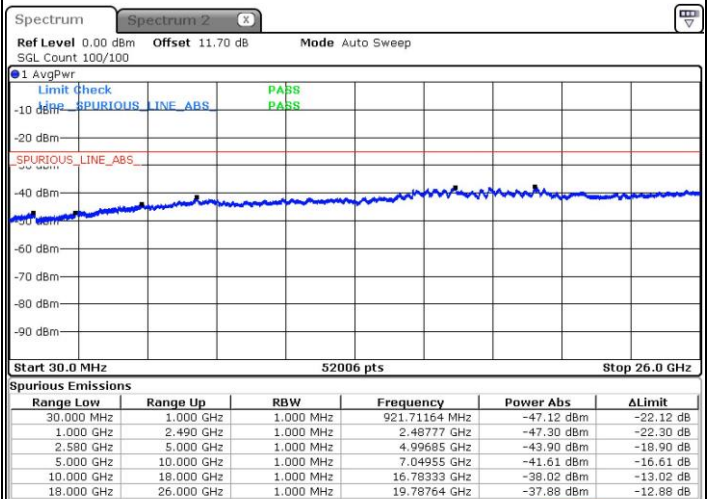
LTE Band 7 / 5MHz

Lowest Channel / QPSK



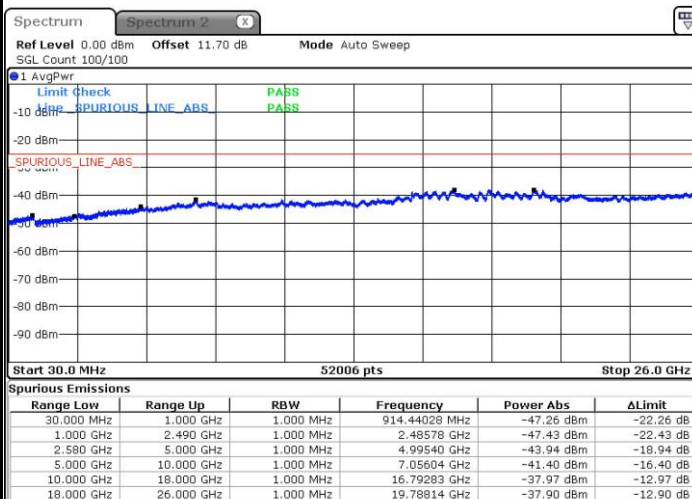
Date: 24 MAY 2016 14:48:47

Lowest Channel / 16QAM



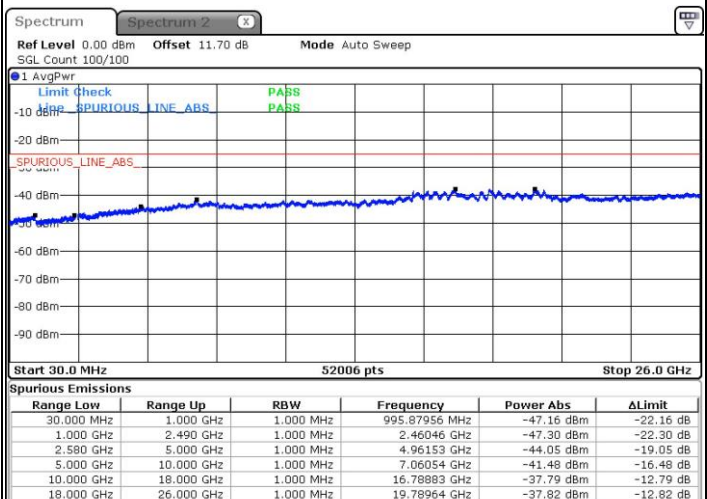
Date: 24 MAY 2016 14:49:41

Middle Channel / QPSK



Date: 24 MAY 2016 14:51:17

Middle Channel / 16QAM

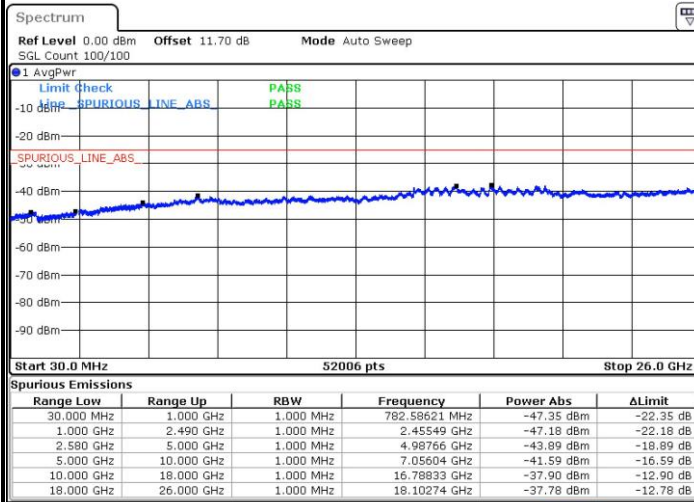


Date: 24 MAY 2016 14:52:11



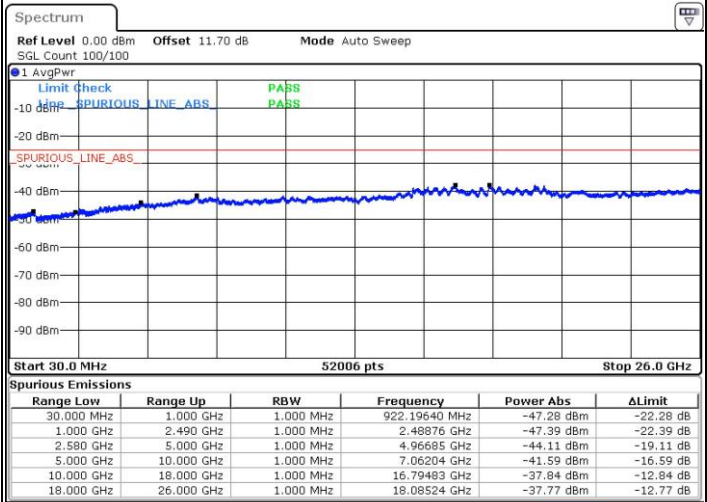
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 24 MAY 2016 16:32:30

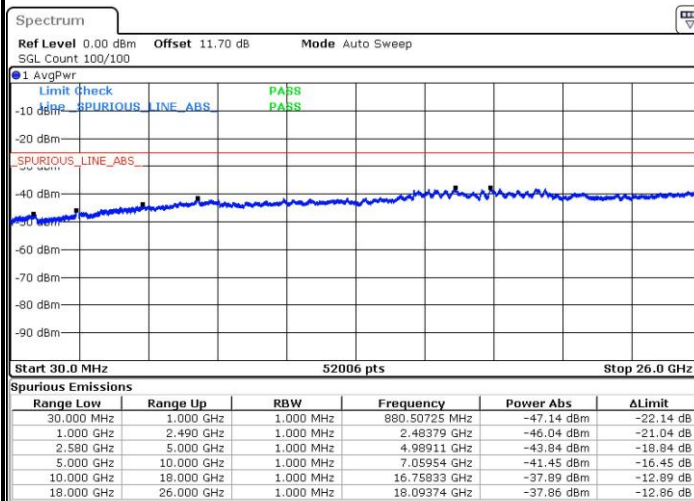
Highest Channel / 16QAM



Date: 24 MAY 2016 16:33:24

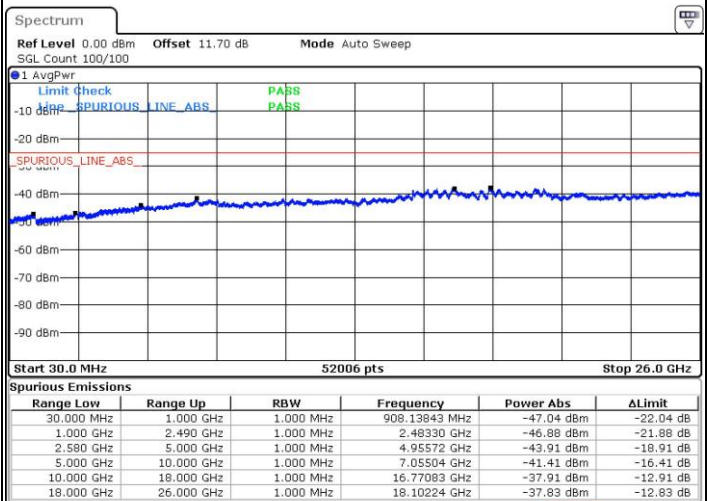
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 24 MAY 2016 16:39:40

Lowest Channel / 16QAM

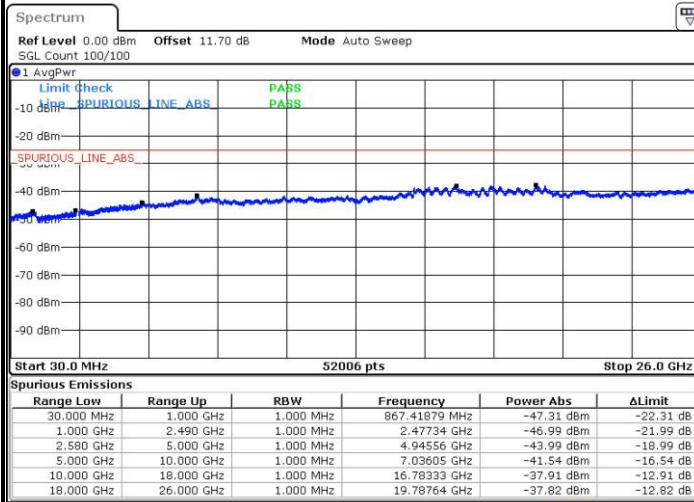


Date: 24 MAY 2016 16:40:34



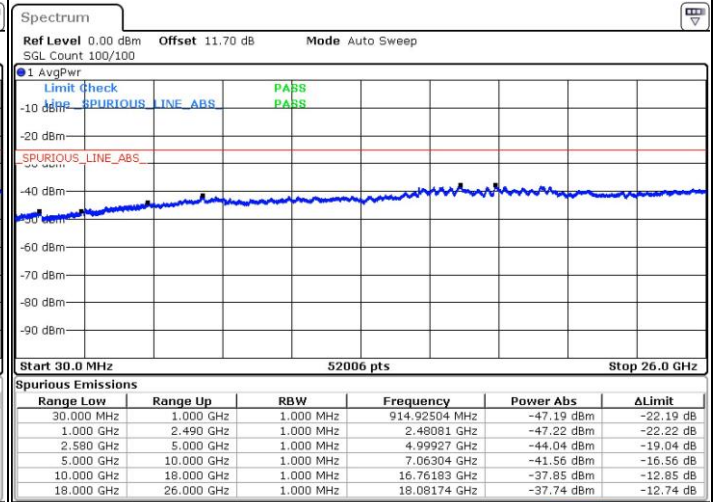
LTE Band 7 / 10MHz

Middle Channel / QPSK



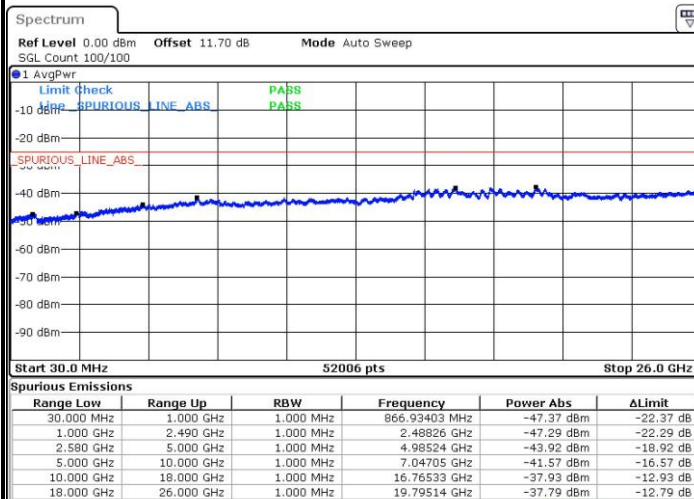
Date: 24 MAY 2016 16:42:10

Middle Channel / 16QAM



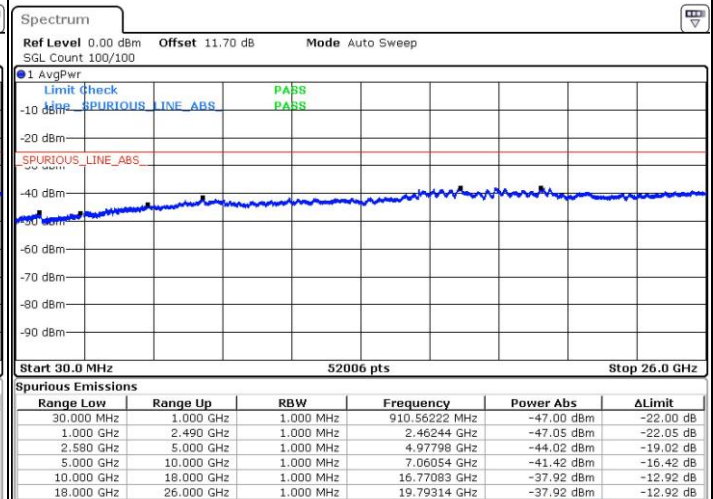
Date: 24 MAY 2016 16:43:04

Highest Channel / QPSK



Date: 24 MAY 2016 16:49:19

Highest Channel / 16QAM

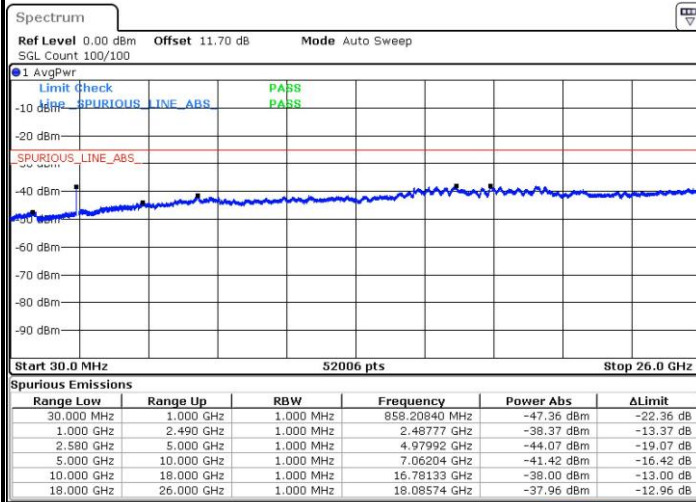


Date: 24 MAY 2016 16:50:12



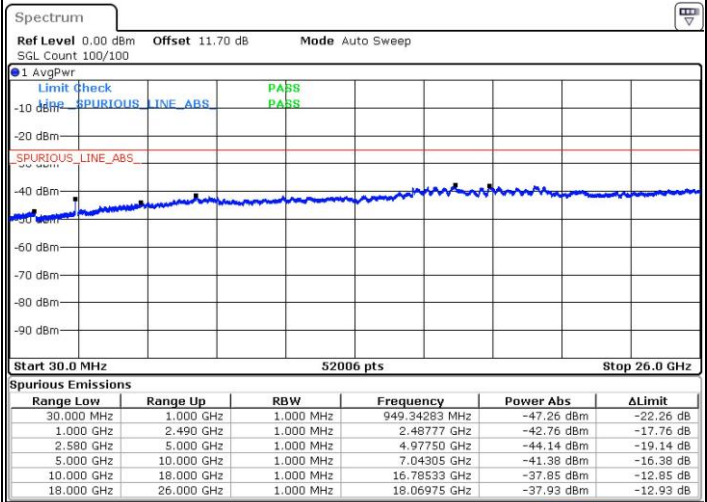
LTE Band 7 / 15MHz

Lowest Channel / QPSK



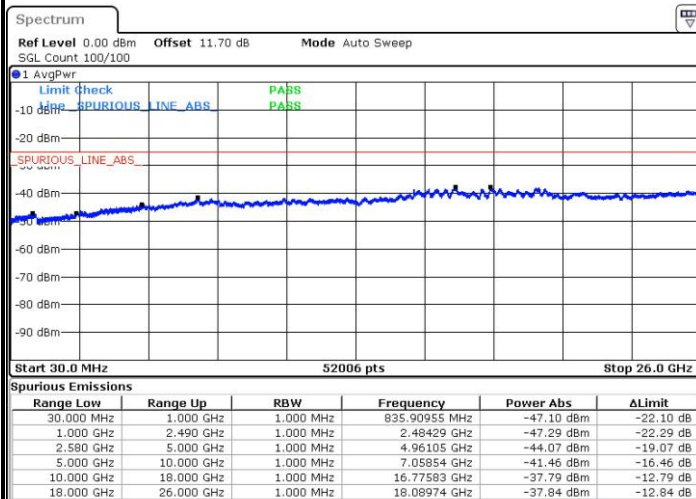
Date: 24 MAY 2016 16:56:27

Lowest Channel / 16QAM



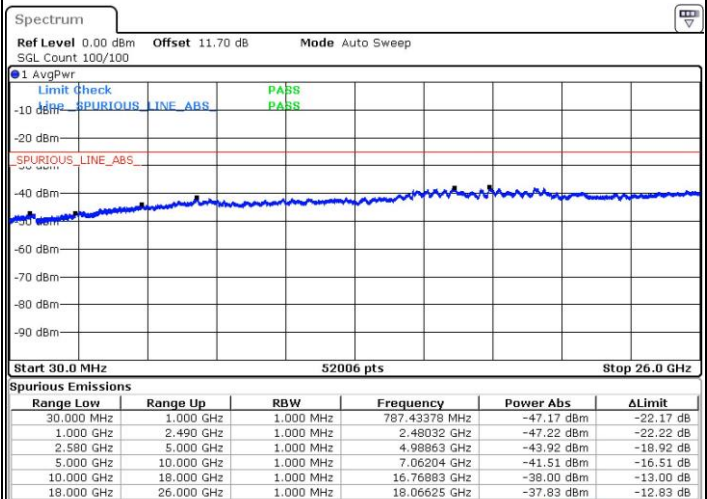
Date: 24 MAY 2016 16:57:21

Middle Channel / QPSK



Date: 24 MAY 2016 16:58:57

Middle Channel / 16QAM

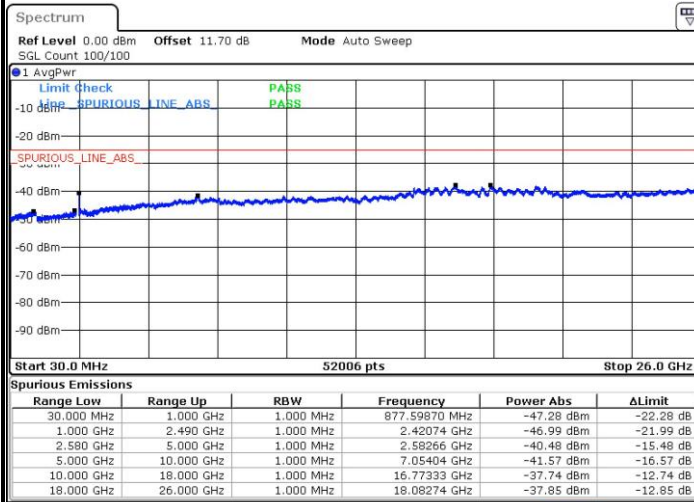


Date: 24 MAY 2016 16:59:51



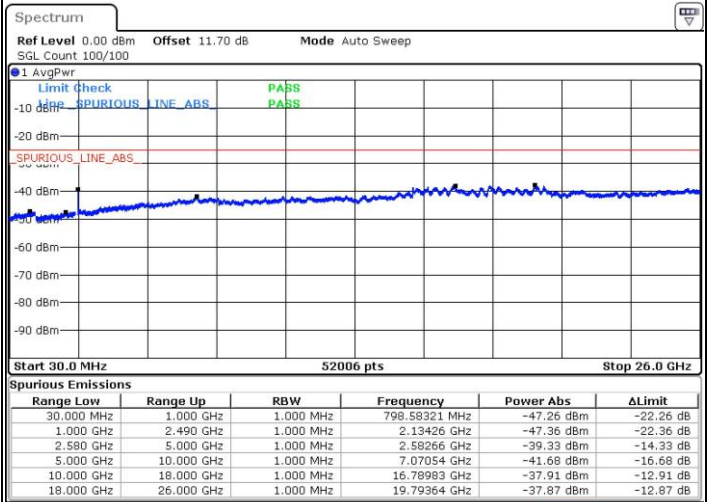
LTE Band 7 / 15MHz

Highest Channel / QPSK



Date: 24 MAY 2016 17:06:06

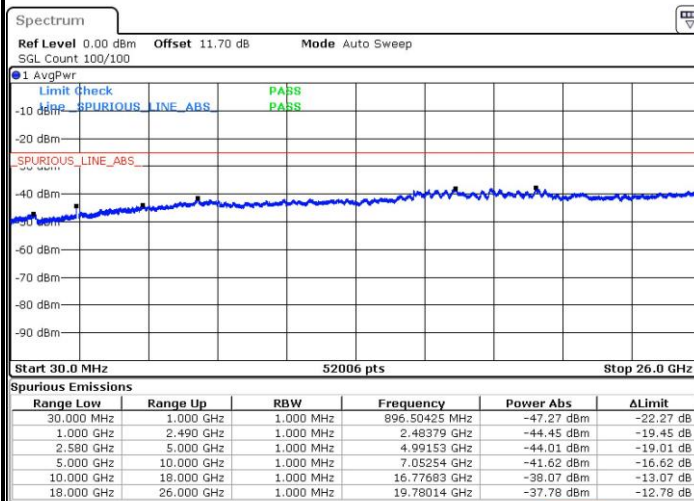
Highest Channel / 16QAM



Date: 24 MAY 2016 17:07:00

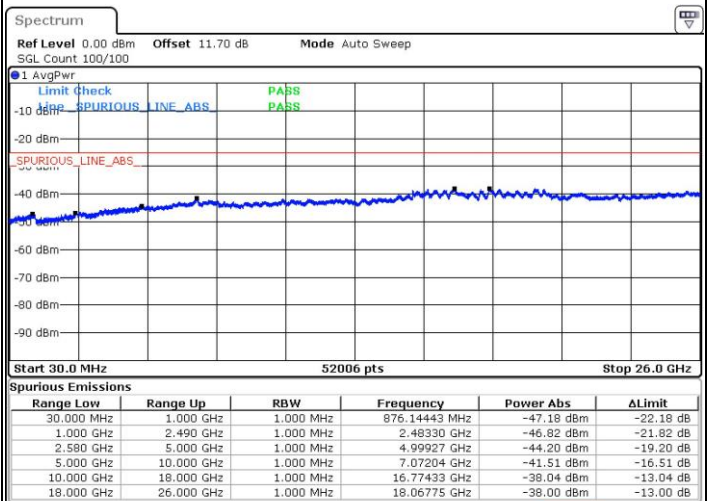
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 24 MAY 2016 17:13:14

Lowest Channel / 16QAM

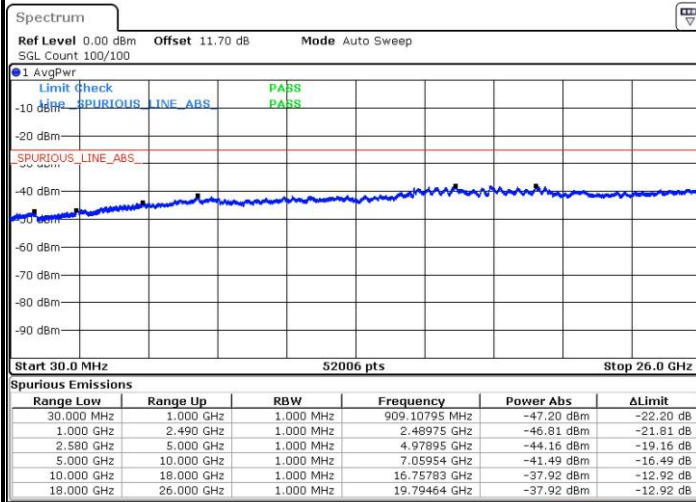


Date: 24 MAY 2016 17:14:08



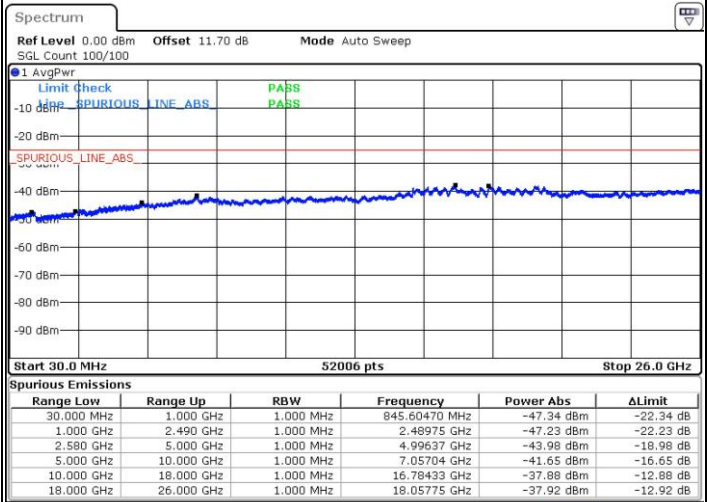
LTE Band 7 / 20MHz

Middle Channel / QPSK



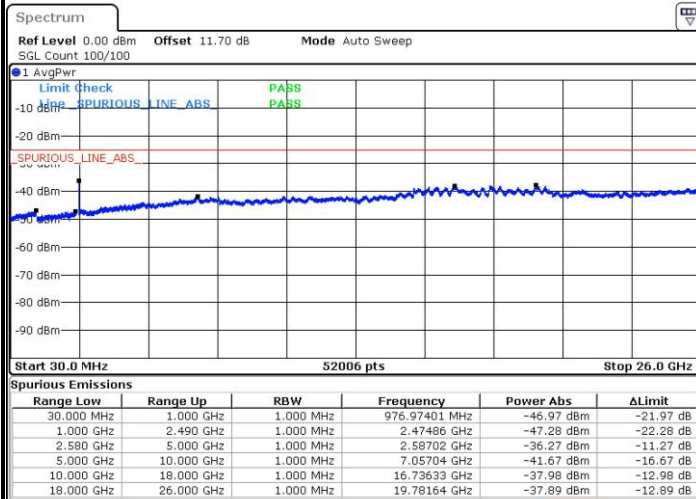
Date: 24 MAY 2016 17:15:45

Middle Channel / 16QAM



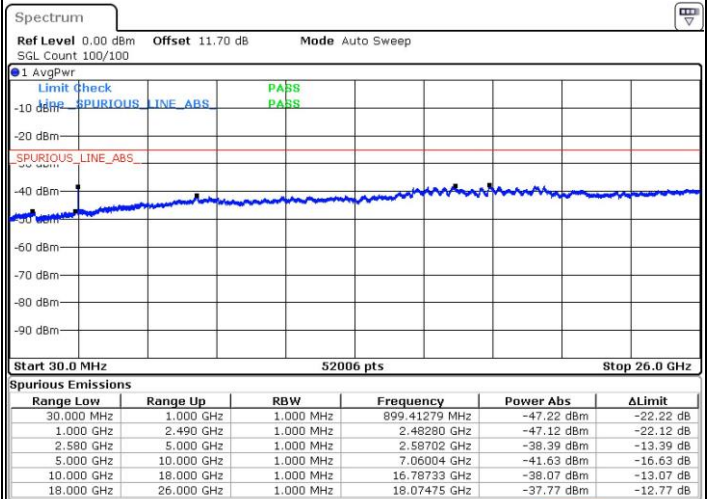
Date: 24 MAY 2016 17:16:38

Highest Channel / QPSK



Date: 24 MAY 2016 17:24:01

Highest Channel / 16QAM



Date: 24 MAY 2016 17:24:55

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	0.0087	PASS
40	Normal Voltage	0.0086	
30	Normal Voltage	0.0091	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0091	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0089	
-30	Normal Voltage	0.0092	
20	Maximum Voltage	0.0092	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

1. Normal Voltage = 3.9 V. ; 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 13

Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	PASS
Middle CH	4.00	5.04	4.90	6.06	
Highest CH	-	-	-	-	

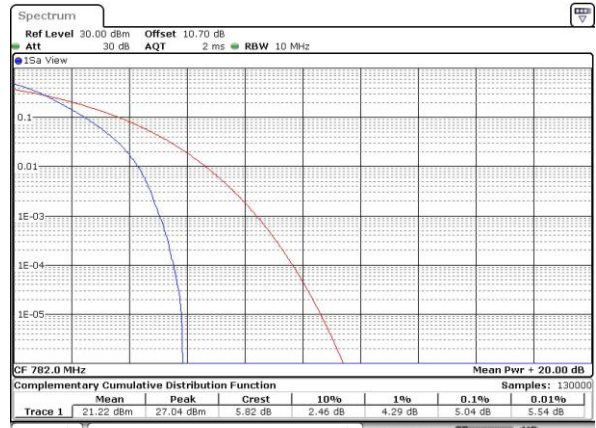


LTE Band 13 / 10MHz / QPSK

Middle Channel/ 1RB



Middle Channel / Full RB

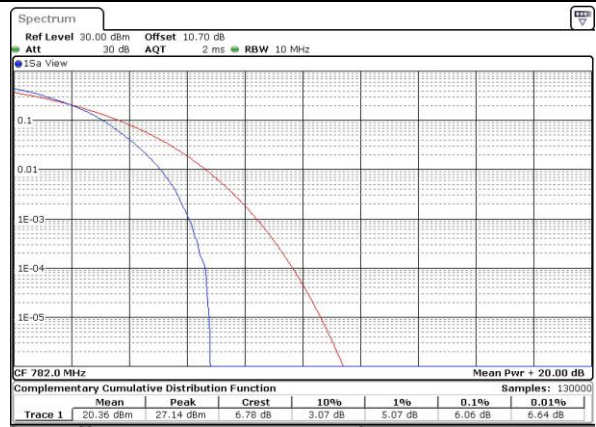


LTE Band 13 / 10MHz / 16QAM

Middle Channel/ 1RB



Middle Channel / Full RB





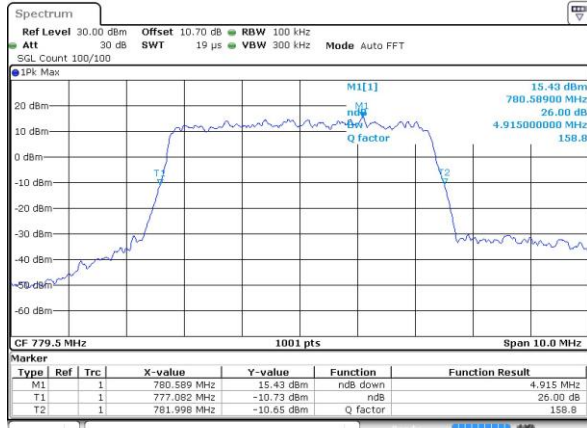
26dB Bandwidth

Mode	LTE Band 13 : 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	-	-	-	-	4.92	4.92	-	-	-	-	-	-
Middle CH	-	-	-	-	4.95	4.86	9.69	9.65	-	-	-	-
Highest CH	-	-	-	-	4.91	4.88	-	-	-	-	-	-



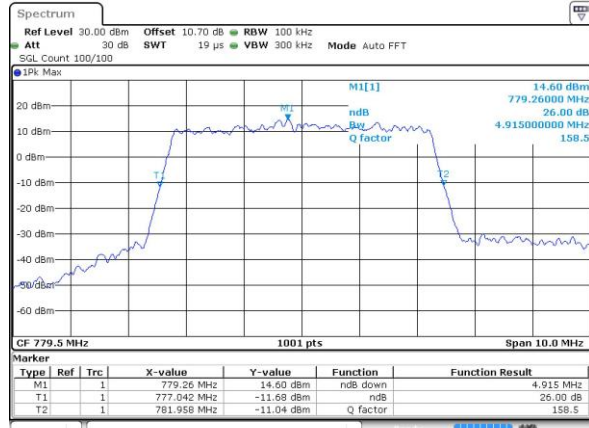
LTE Band 13

Lowest Channel / 5MHz / QPSK



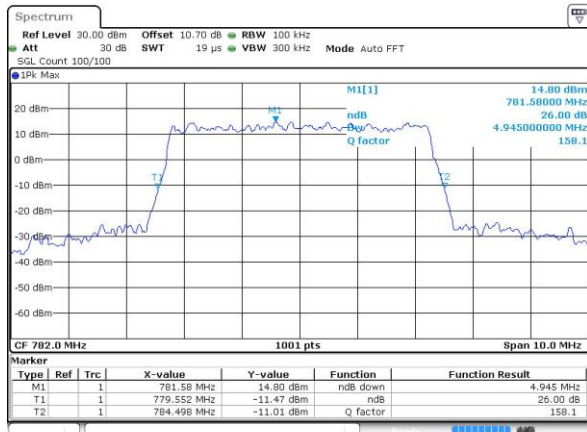
Date: 24 MAY 2016 17:41:36

Lowest Channel / 5MHz / 16QAM



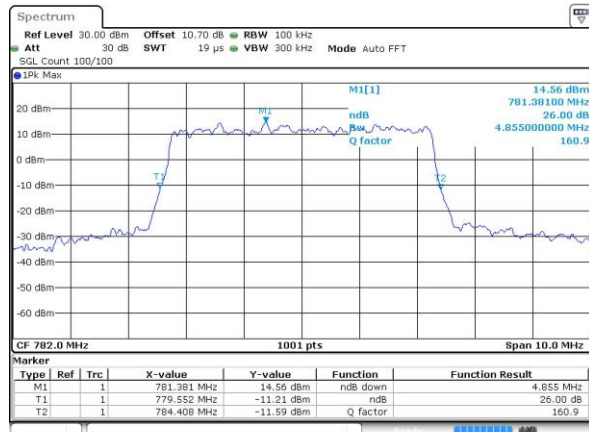
Date: 24 MAY 2016 17:41:28

Middle Channel / 5MHz / QPSK



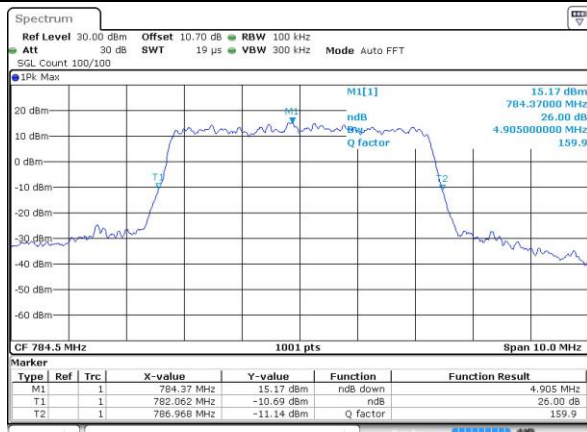
Date: 24 MAY 2016 17:50:01

Middle Channel / 5MHz / 16QAM



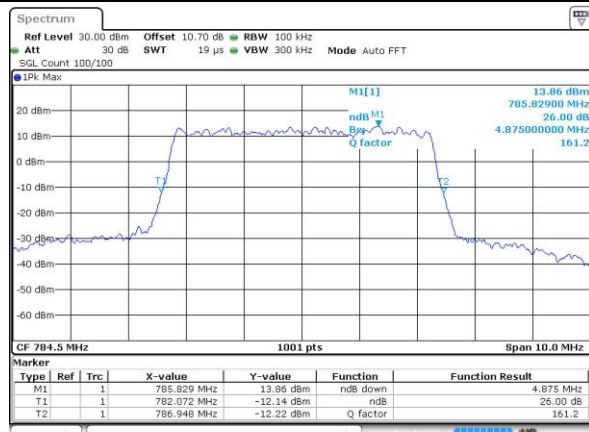
Date: 24 MAY 2016 17:50:12

Highest Channel / 5MHz / QPSK



Date: 24 MAY 2016 17:51:15

Highest Channel / 5MHz / 16QAM

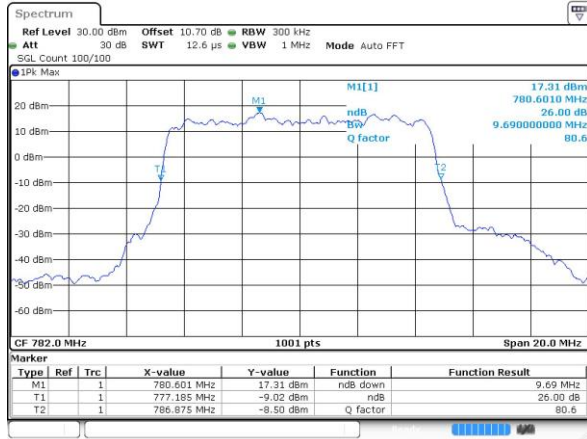


Date: 24 MAY 2016 17:51:04

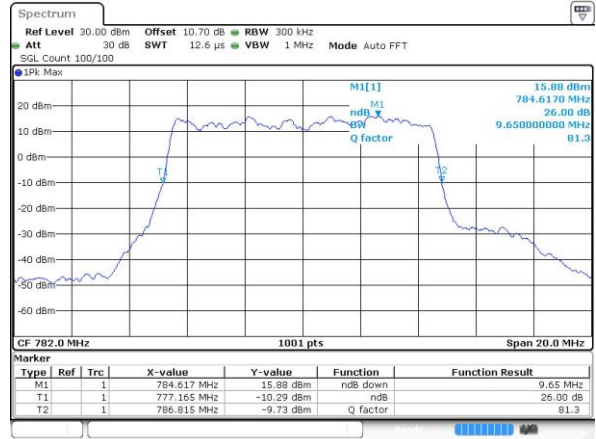


LTE Band 13

Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM





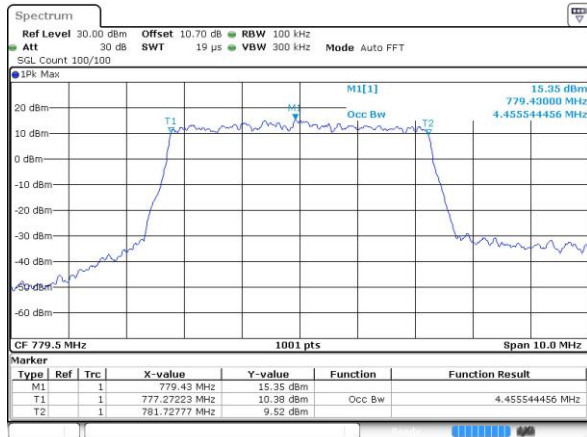
Occupied Bandwidth

Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.46	4.46	-	-	-	-	-	-
Middle CH	-	-	-	-	4.48	4.48	8.99	8.99	-	-	-	-
Highest CH	-	-	-	-	4.47	4.47	-	-	-	-	-	-



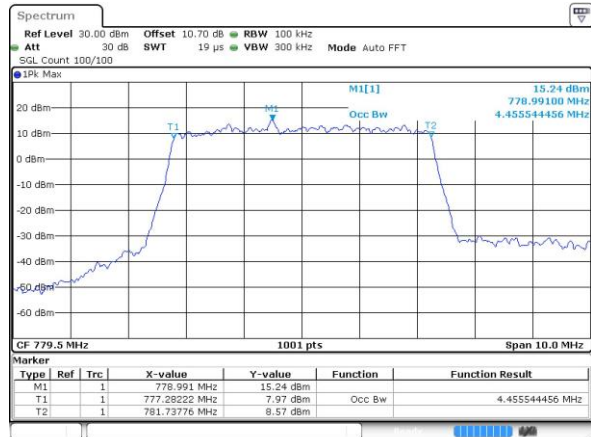
LTE Band 13

Lowest Channel / 5MHz / QPSK



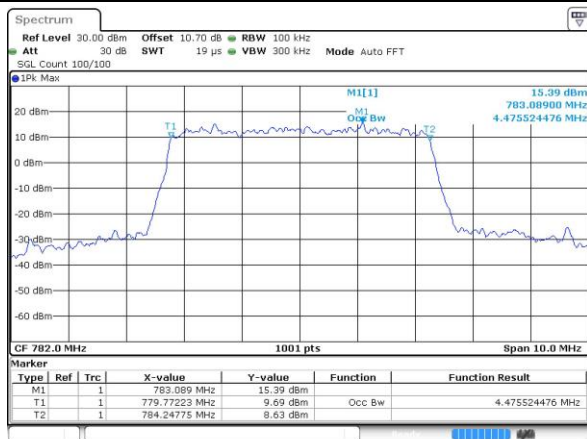
Date: 24 MAY 2016 17:41:04

Lowest Channel / 5MHz / 16QAM



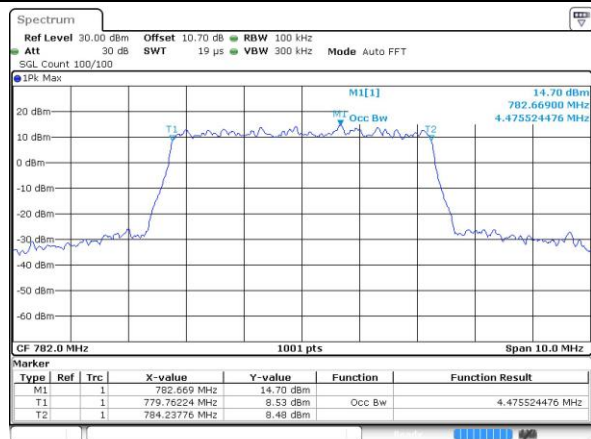
Date: 24 MAY 2016 17:41:15

Middle Channel / 5MHz / QPSK



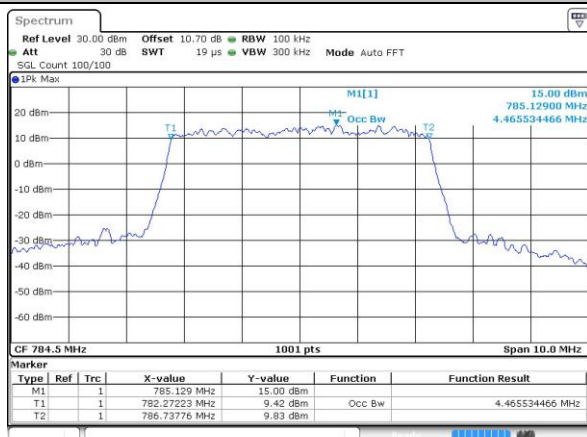
Date: 24 MAY 2016 17:50:33

Middle Channel / 5MHz / 16QAM



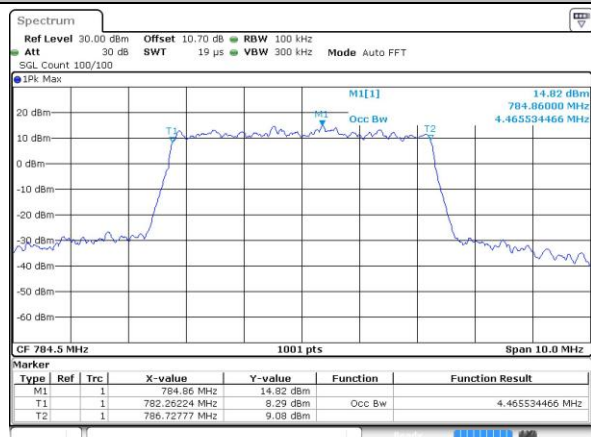
Date: 24 MAY 2016 17:50:22

Highest Channel / 5MHz / QPSK



Date: 24 MAY 2016 17:50:43

Highest Channel / 5MHz / 16QAM

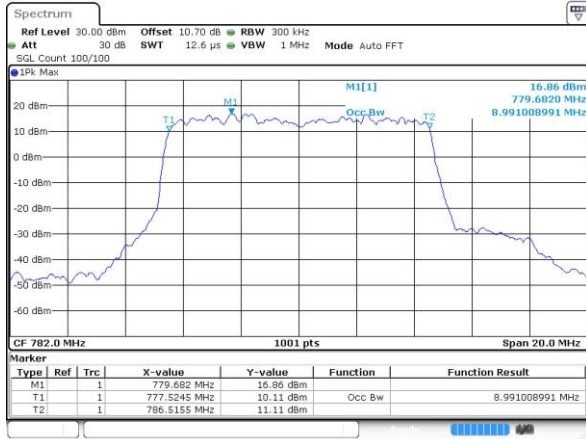


Date: 24 MAY 2016 17:50:54



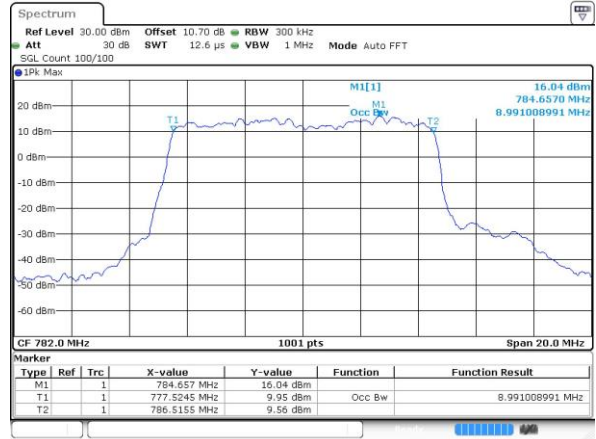
LTE Band 13

Middle Channel / 10MHz / QPSK



Date: 24 MAY 2016 17:57:51

Middle Channel / 10MHz / 16QAM



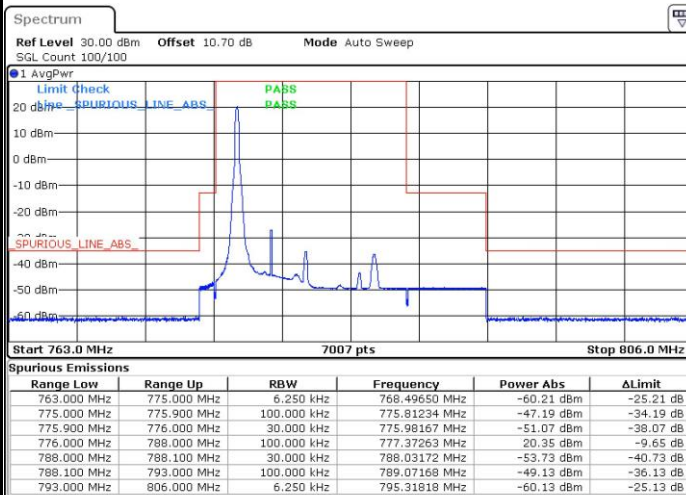
Date: 24 MAY 2016 17:58:01



Conducted Band Edge

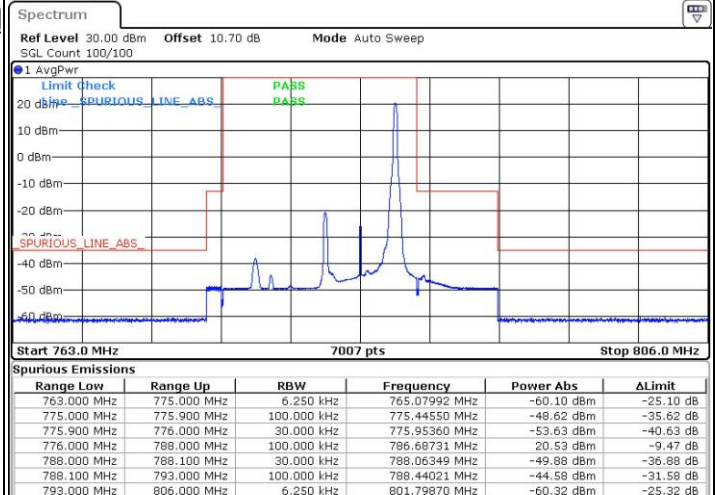
LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB



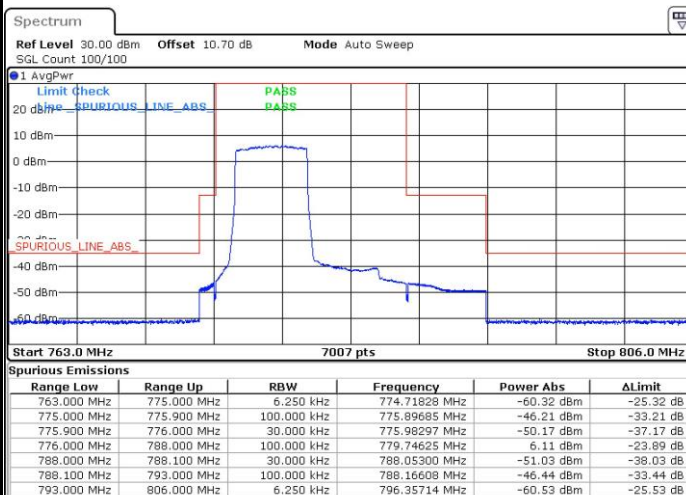
Date: 24.MAY.2016 17:46:13

Highest Band Edge / 1 RB



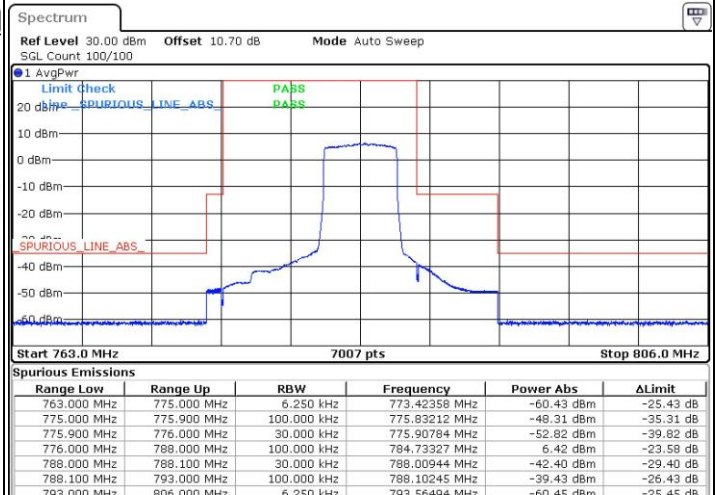
Date: 24.MAY.2016 17:55:52

Lowest Band Edge / Full RB



Date: 24.MAY.2016 17:42:45

Highest Band Edge / Full RB

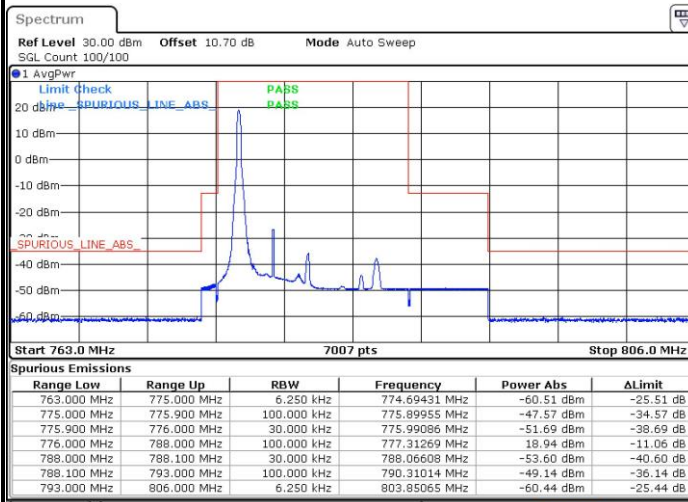


Date: 24.MAY.2016 17:52:23

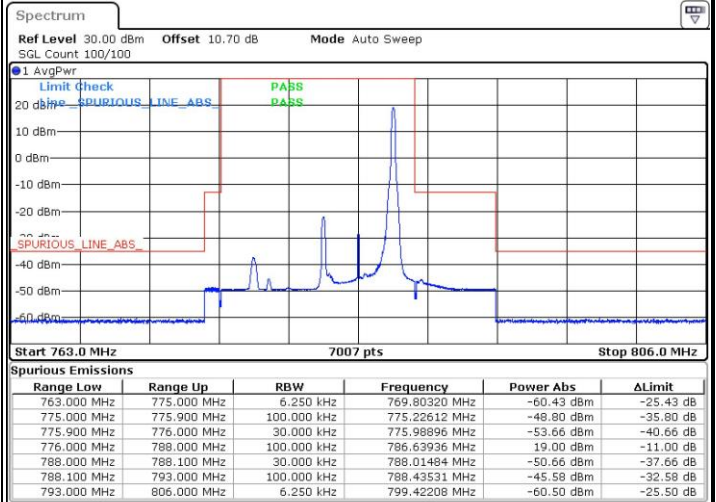


LTE Band 13 / 5MHz / 16QAM

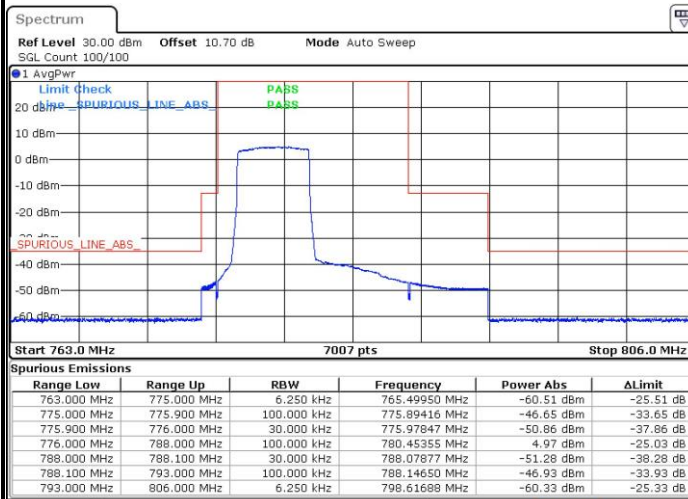
Lowest Band Edge / 1 RB



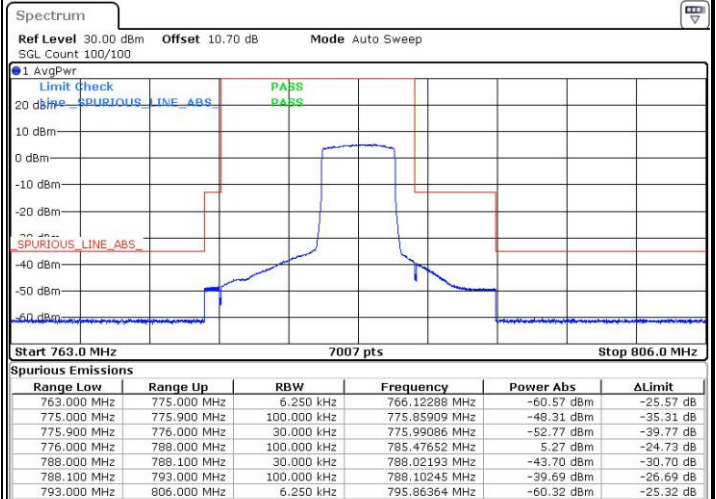
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



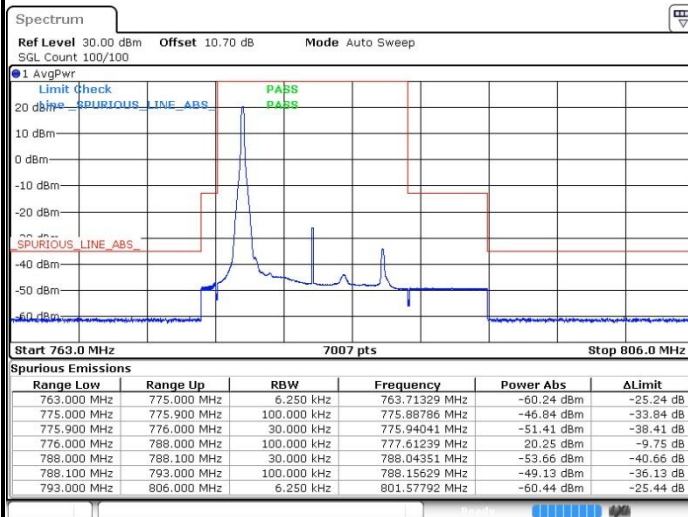
Highest Band Edge / Full RB





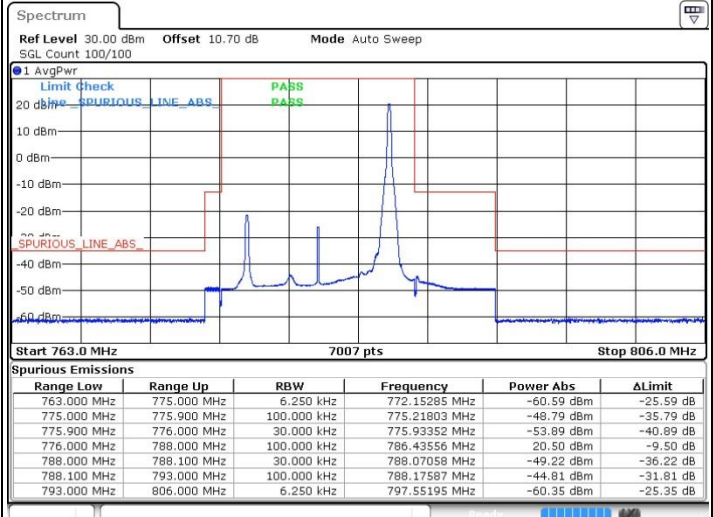
LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB



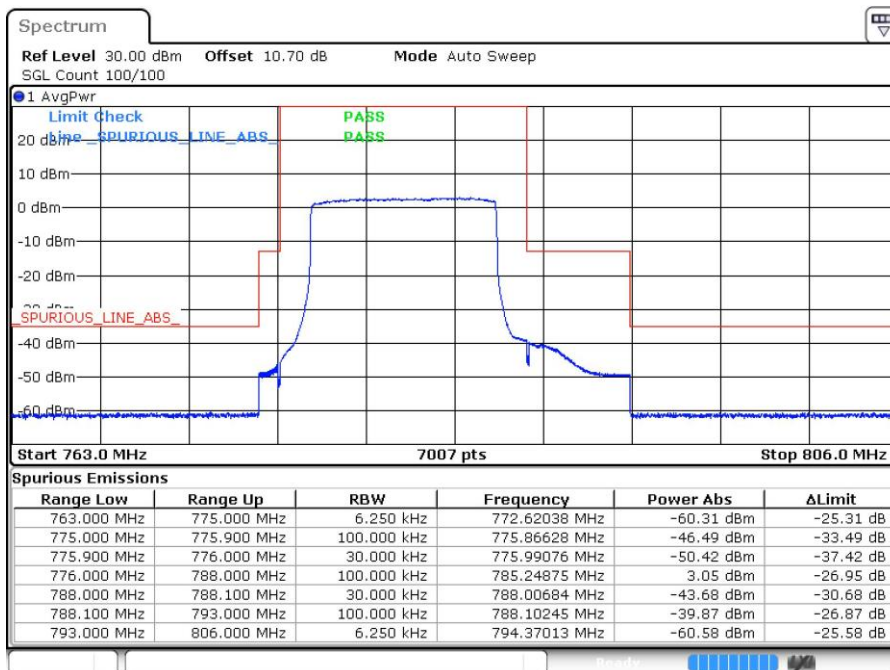
Date: 24 MAY.2016 18:02:59

Highest Band Edge / 1 RB



Date: 24 MAY.2016 18:04:09

Band Edge / Full RB

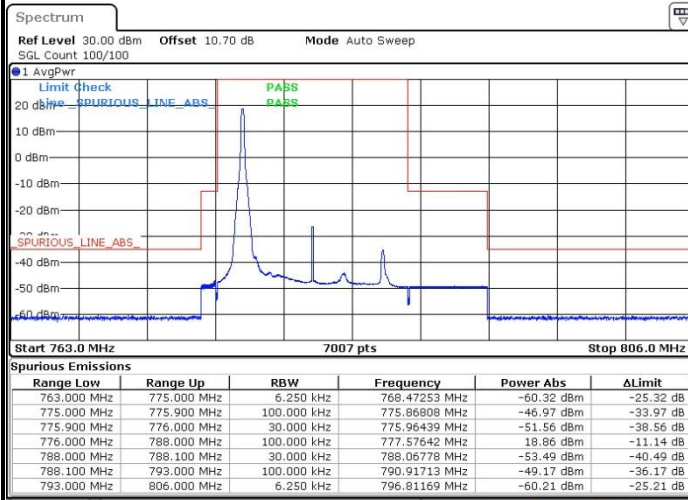


Date: 24 MAY 2016 17:59:31



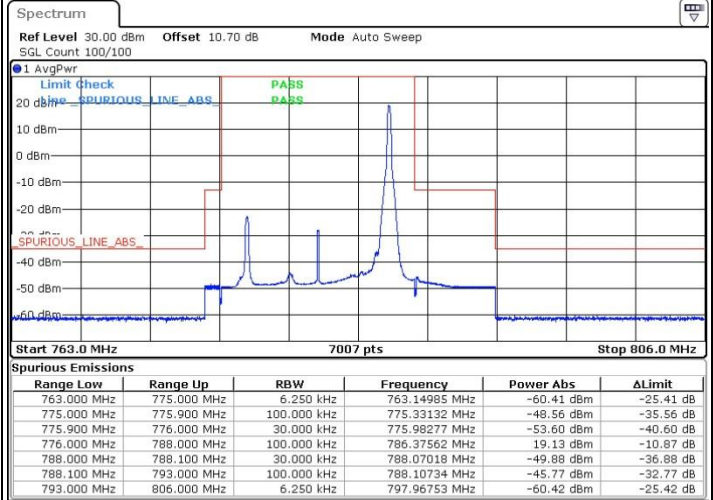
LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



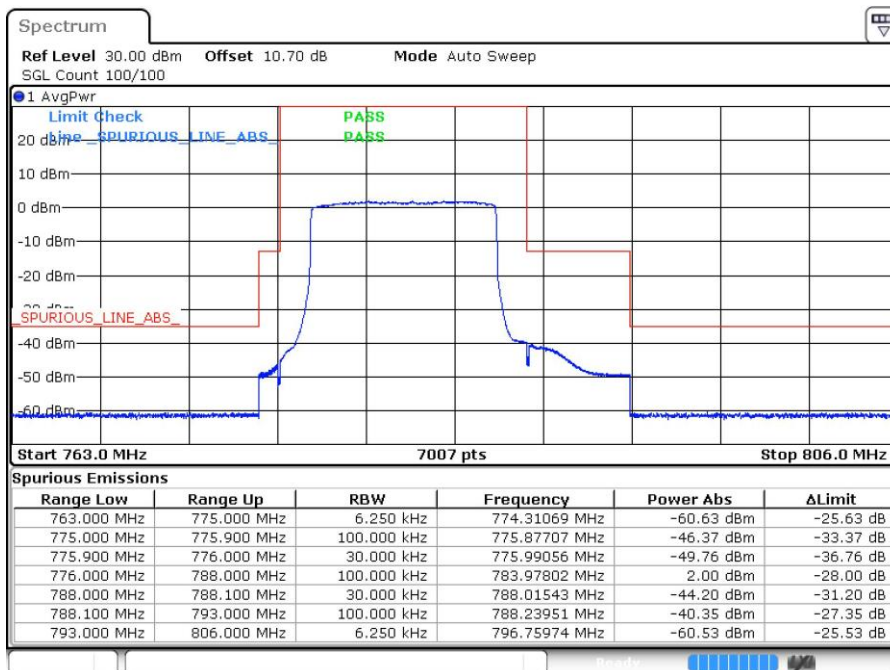
Date: 24 MAY.2016 18:01:50

Highest Band Edge / 1 RB



Date: 24 MAY.2016 18:05:18

Band Edge / Full RB



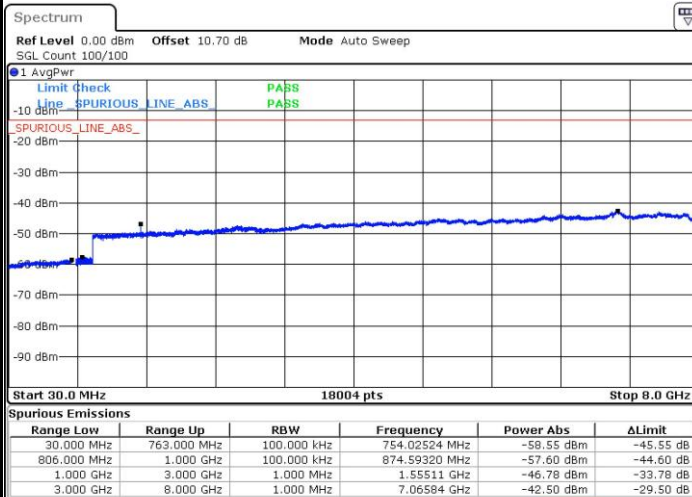
Date: 24 MAY 2016 18:00:40



Conducted Spurious Emission

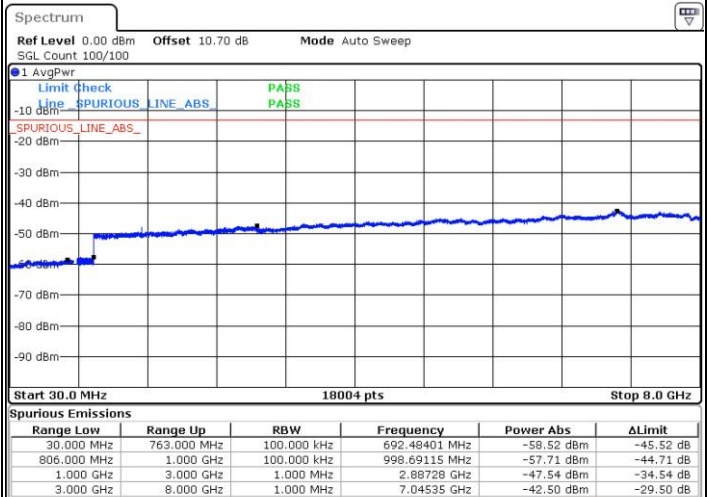
LTE Band 13 / 5MHz

Lowest Channel / QPSK



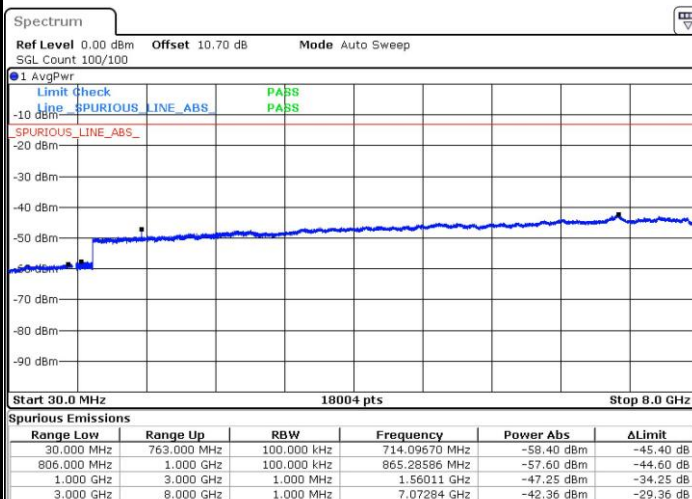
Date: 24 MAY.2016 17:47:09

Lowest Channel / 16QAM



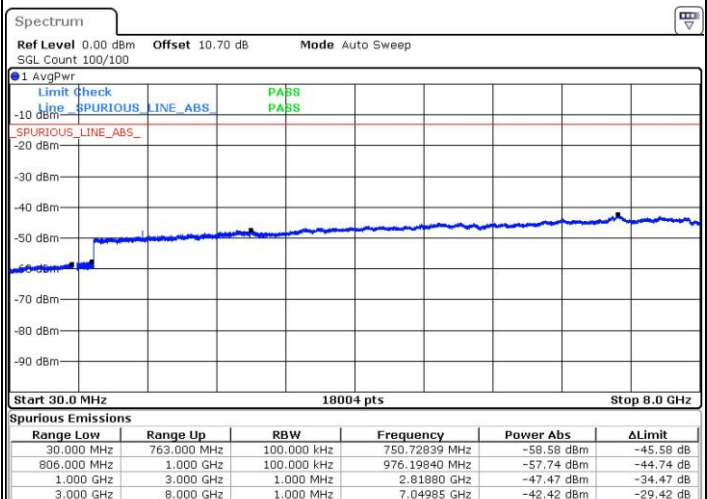
Date: 24 MAY.2016 17:48:03

Middle Channel / QPSK



Date: 24 MAY.2016 17:49:51

Middle Channel / 16QAM



Date: 24 MAY.2016 17:48:57