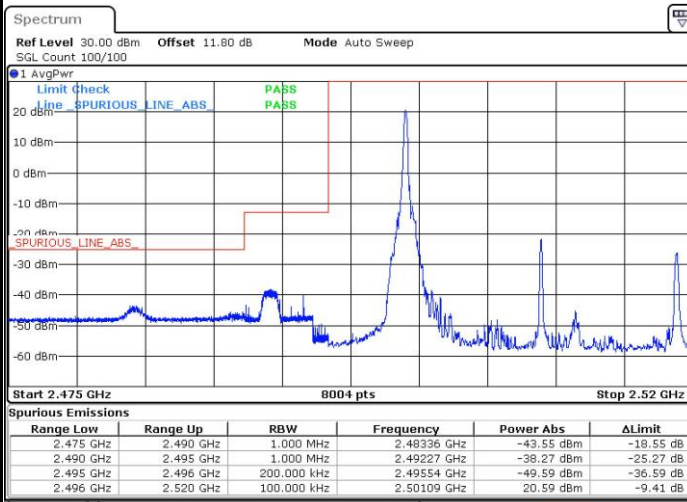




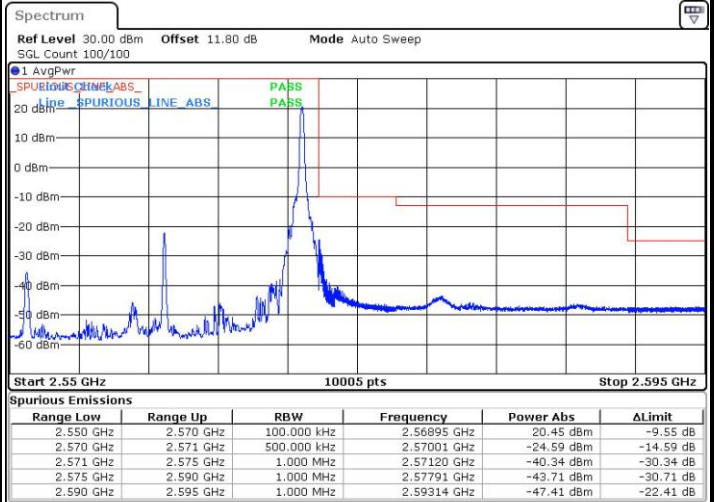
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



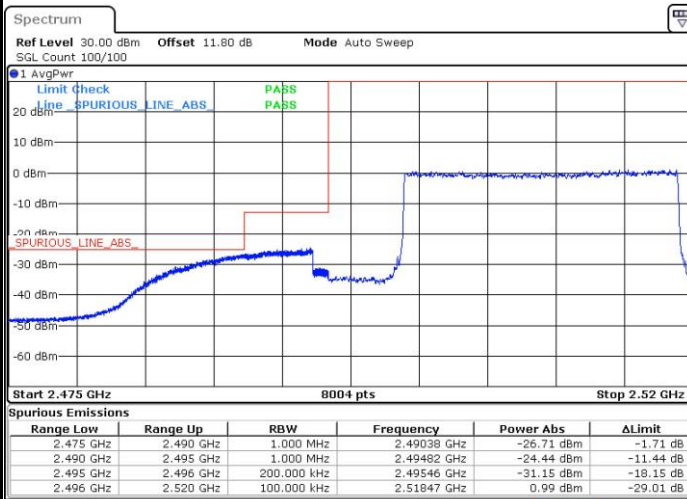
Date: 14 APR 2016 17:33:25

Highest Band Edge / 1 RB



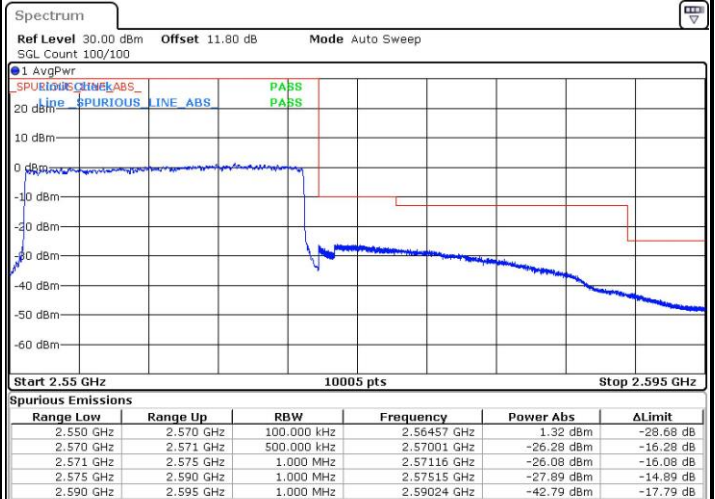
Date: 14 APR 2016 17:43:08

Lowest Band Edge / Full RB



Date: 14 APR 2016 17:35:45

Highest Band Edge / Full RB

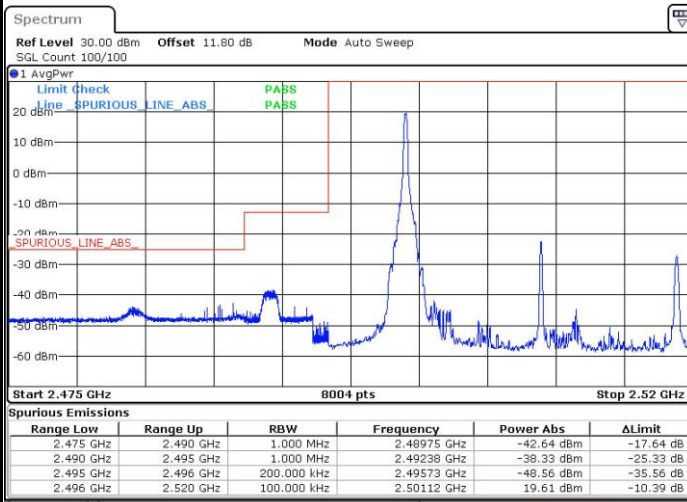


Date: 14 APR 2016 17:46:38



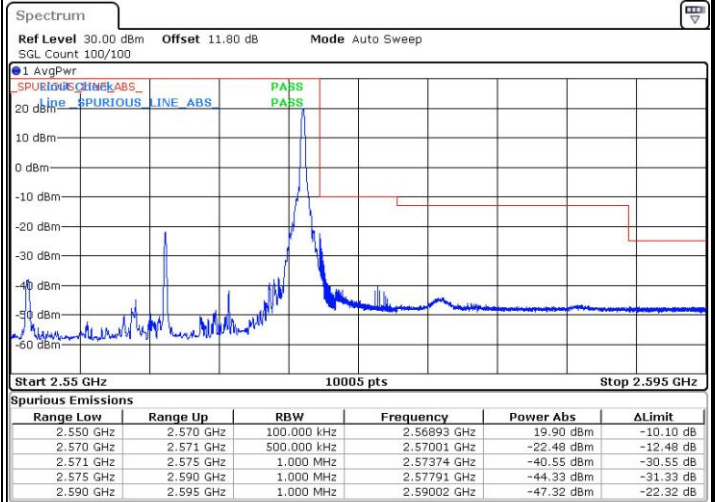
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



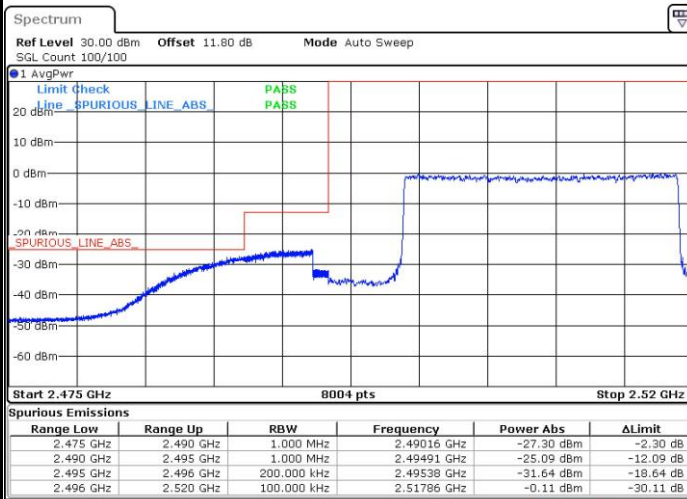
Date: 14 APR 2016 17:34:35

Highest Band Edge / 1RB



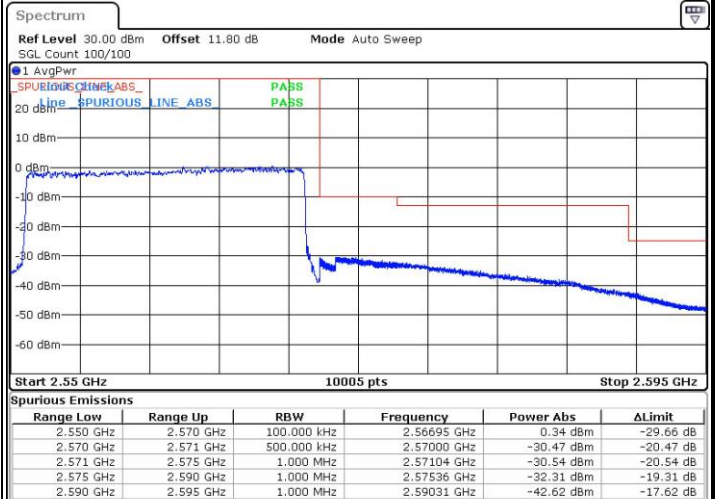
Date: 14 APR 2016 17:44:18

Lowest Band Edge / Full RB



Date: 14 APR 2016 17:36:55

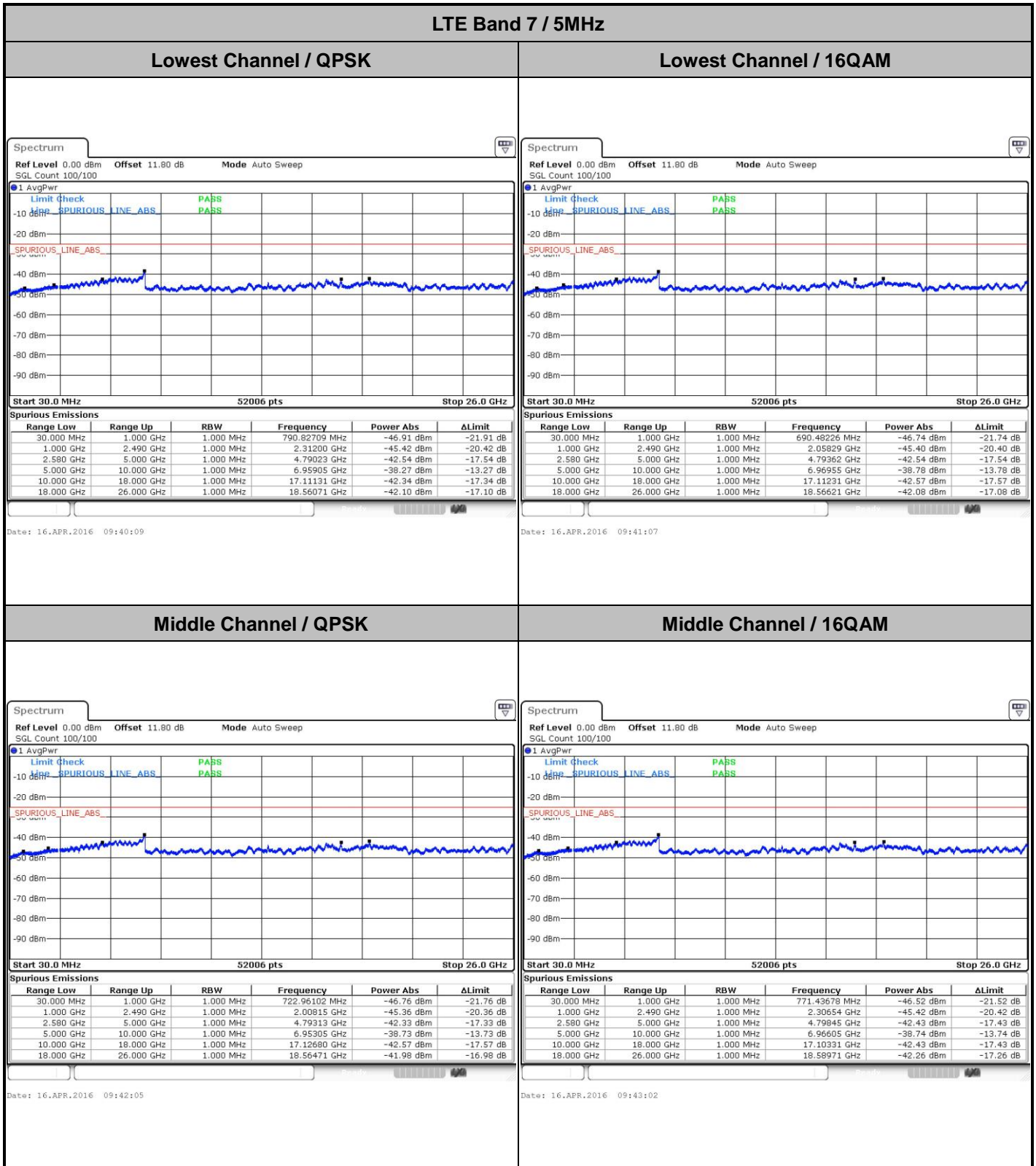
Highest Band Edge / Full RB



Date: 14 APR 2016 17:45:28



# Conducted Spurious Emission

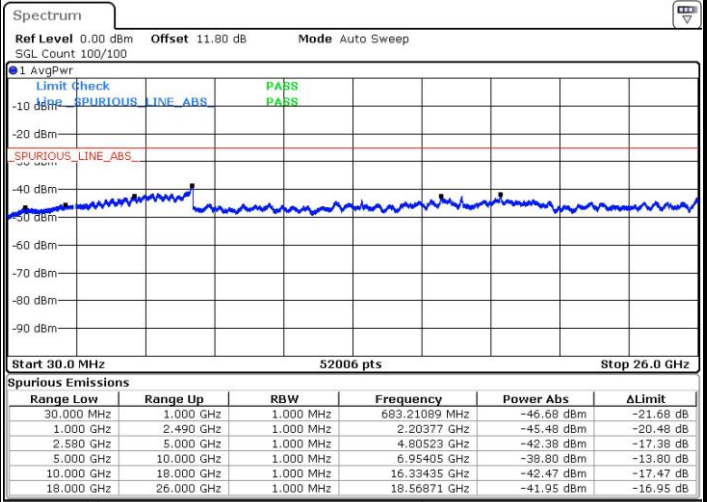
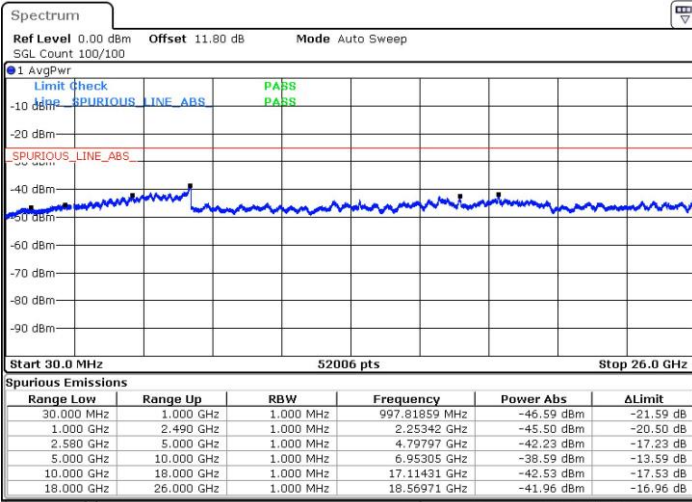




LTE Band 7 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



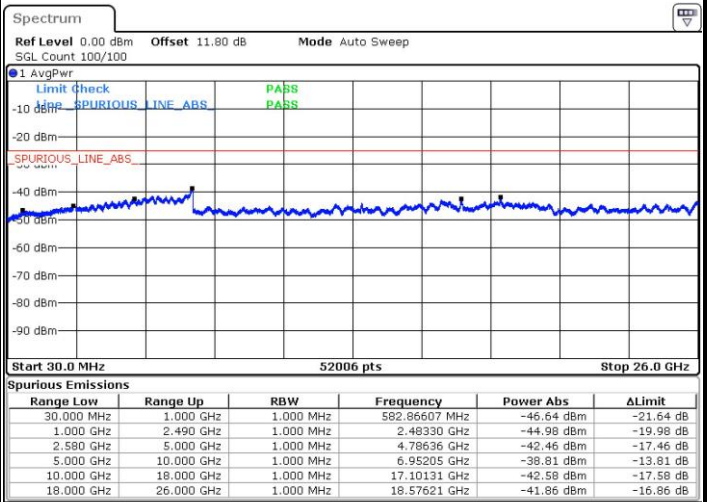
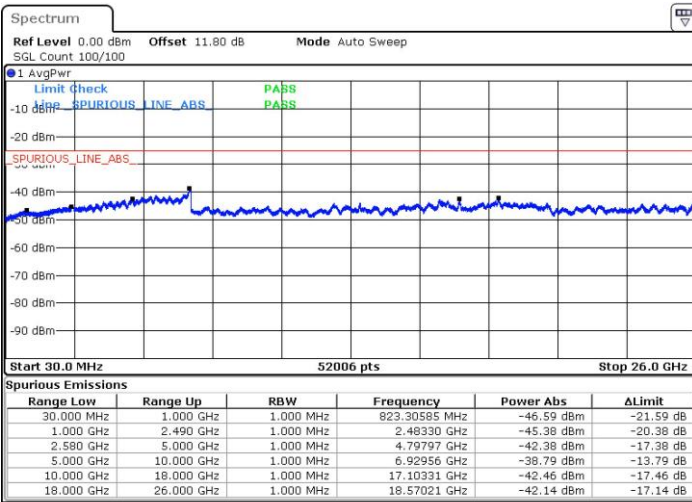
Date: 16.APR.2016 09:44:00

Date: 16.APR.2016 09:44:58

LTE Band 7 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 16.APR.2016 09:45:55

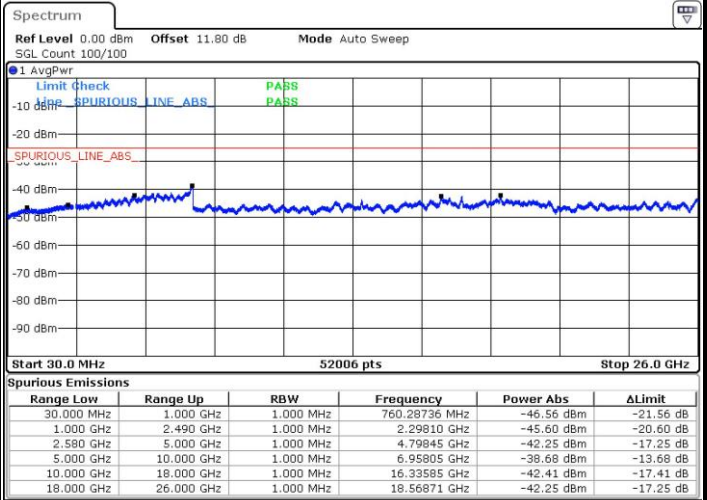
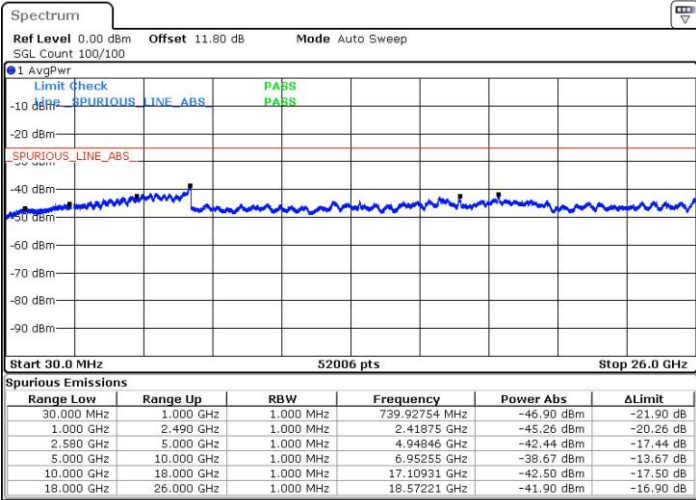
Date: 16.APR.2016 09:46:53



LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

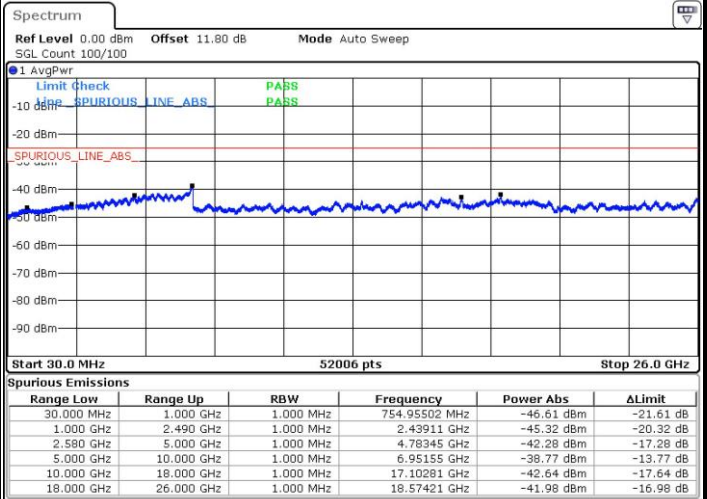
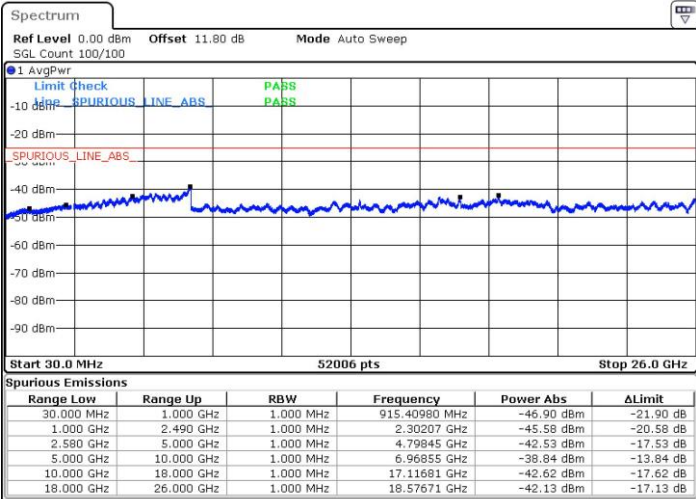


Date: 16.APR.2016 09:47:51

Date: 16.APR.2016 09:48:49

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 16.APR.2016 09:49:46

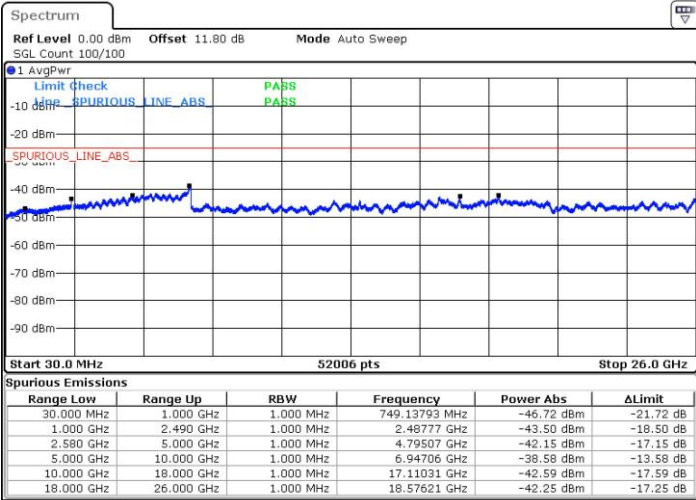
Date: 16.APR.2016 09:50:44



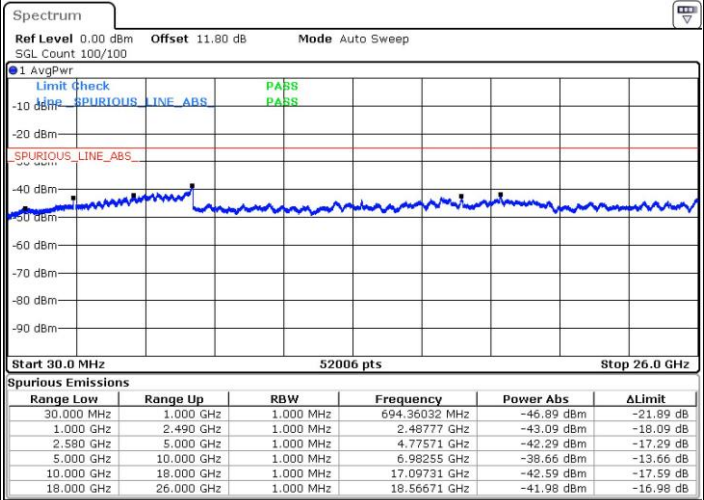
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



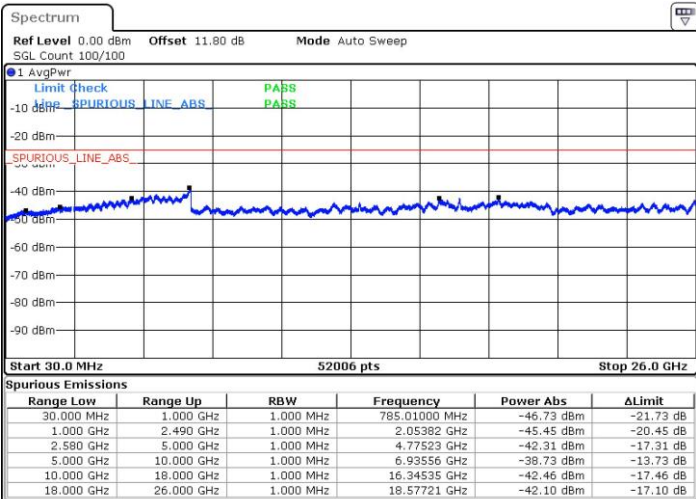
Date: 16.APR.2016 09:51:42



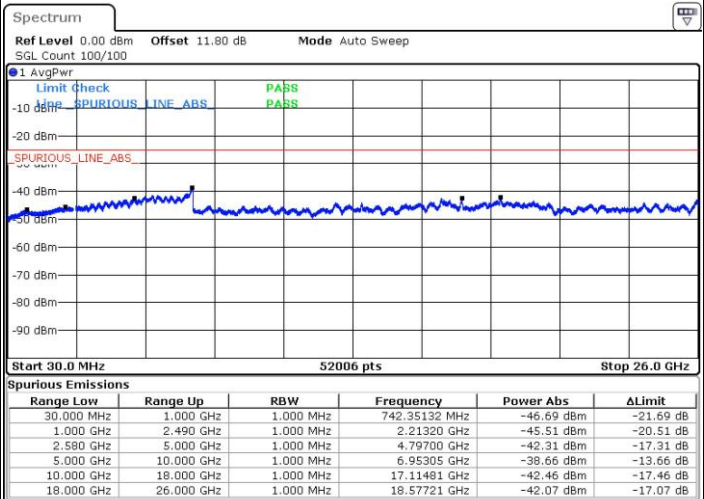
Date: 16.APR.2016 09:52:39

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 16.APR.2016 09:53:37

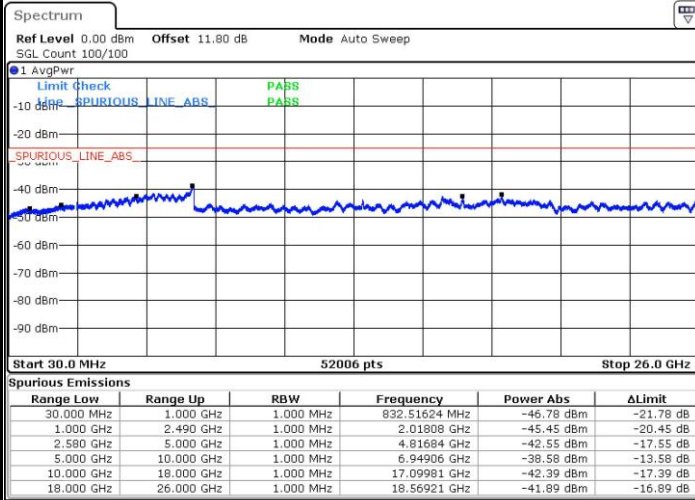


Date: 16.APR.2016 09:54:35



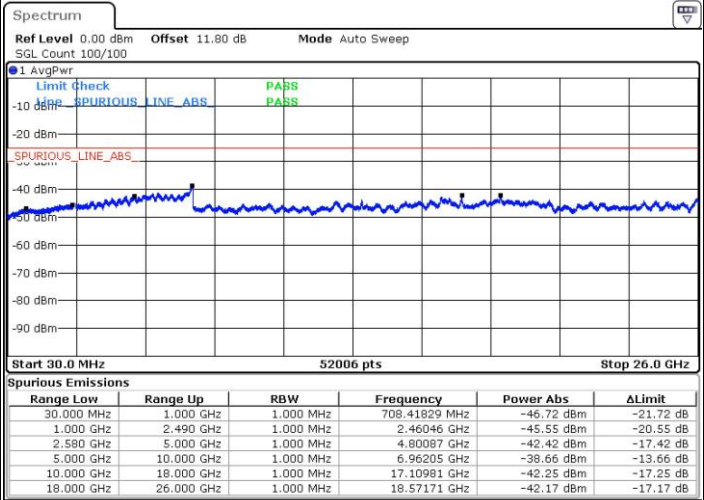
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 16.APR.2016 09:55:33

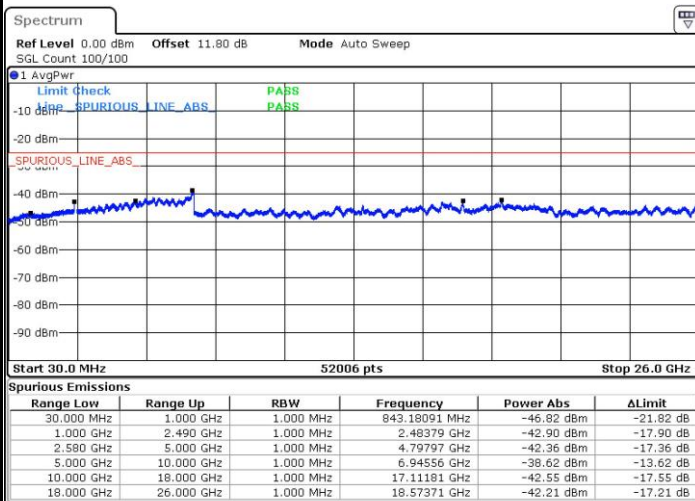
Highest Channel / 16QAM



Date: 16.APR.2016 09:56:31

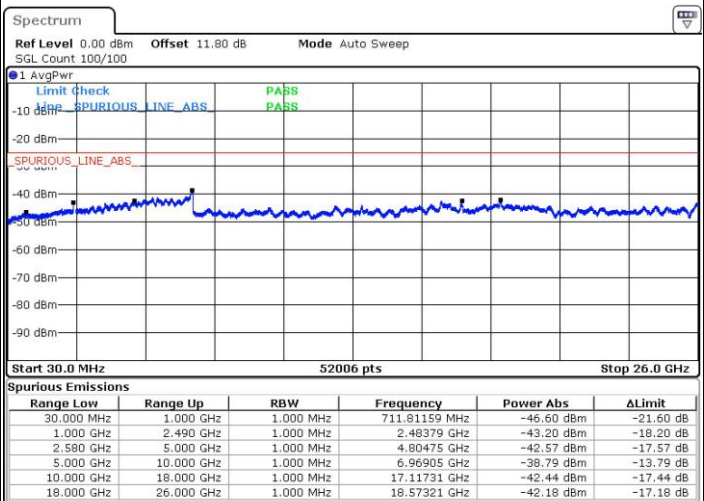
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 16.APR.2016 09:57:28

Lowest Channel / 16QAM



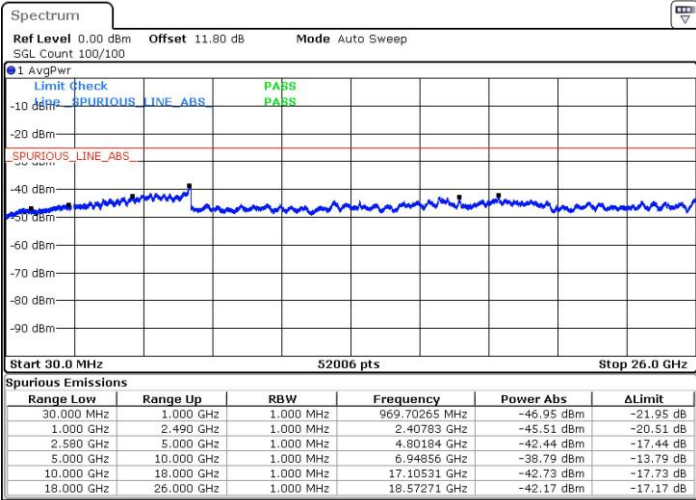
Date: 16.APR.2016 09:58:26



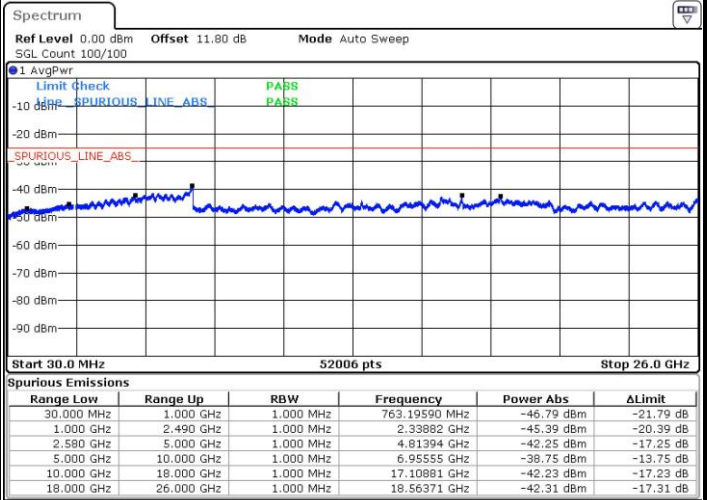
LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM



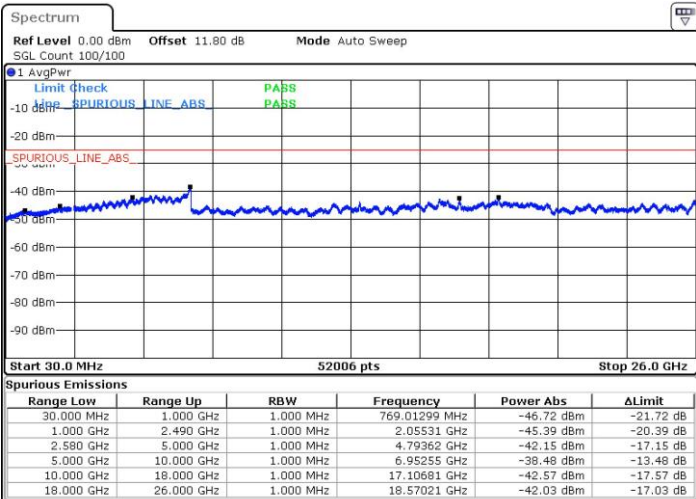
Date: 16.APR.2016 09:59:24



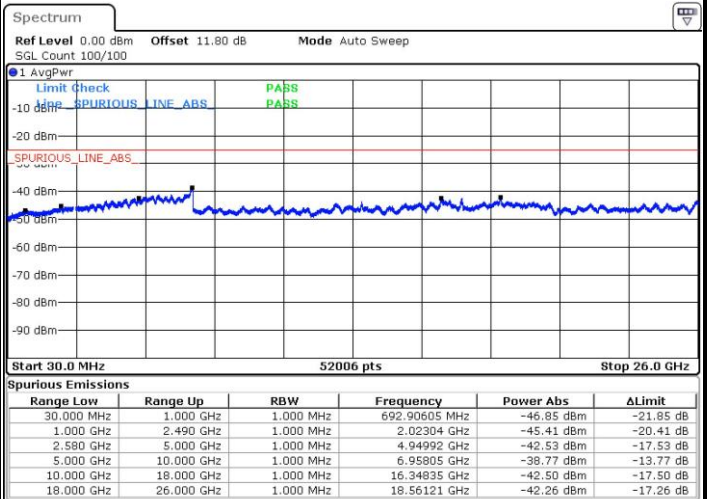
Date: 16.APR.2016 10:00:22

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 16.APR.2016 10:01:20



Date: 16.APR.2016 10:02:16



**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	0.0058	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0058	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0059	
-30	Normal Voltage	0.0052	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0056	

**Note:**

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



## LTE Band 13

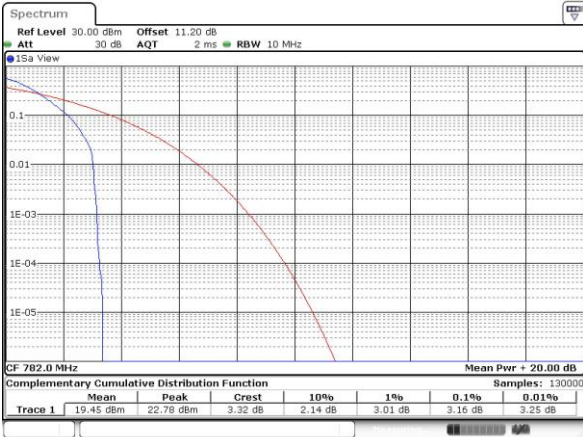
### Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	<b>PASS</b>
Middle CH	3.16	4.99	4.17	5.88	
Highest CH	-	-	-	-	



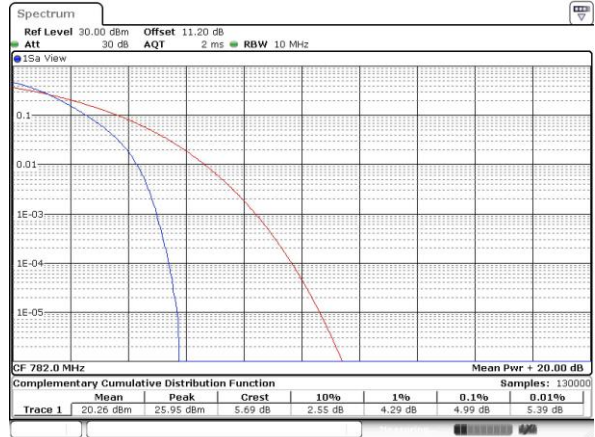
LTE Band 13 / 10MHz / QPSK

Middle Channel/ 1RB



Date: 16.APR.2016 06:34:31

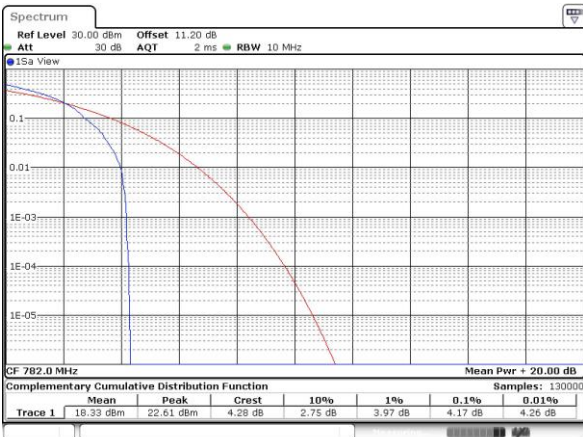
Middle Channel / Full RB



Date: 16.APR.2016 06:34:11

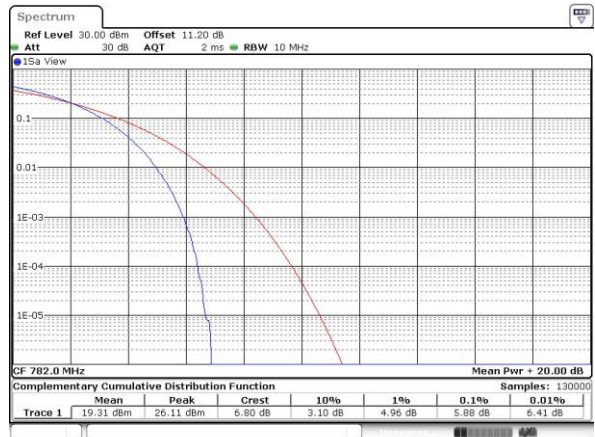
LTE Band 13 / 10MHz / 16QAM

Middle Channel/ 1RB



Date: 16.APR.2016 06:34:47

Middle Channel / Full RB



Date: 16.APR.2016 06:31:13



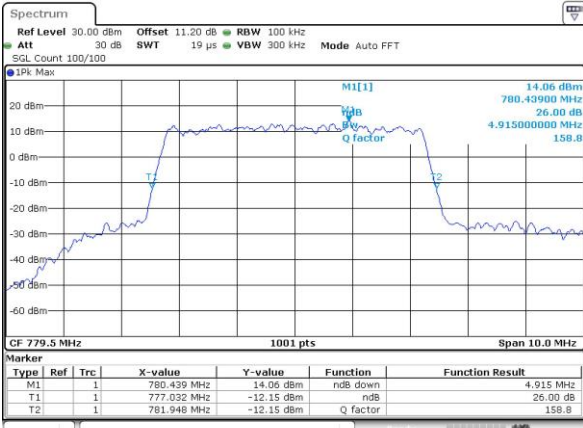
**26dB Bandwidth**

Mode	LTE Band 13 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW												
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.92	4.90	-	-	-	-	-	-
Middle CH	-	-	-	-	4.92	4.83	9.75	9.65	-	-	-	-
Highest CH	-	-	-	-	4.93	4.86	-	-	-	-	-	-



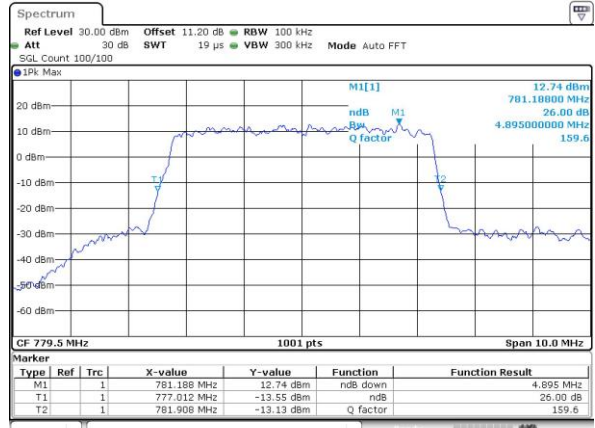
LTE Band 13

Lowest Channel / 5MHz / QPSK



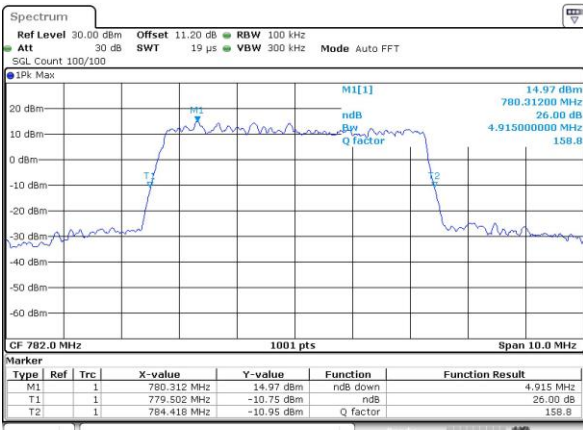
Date: 16.APR.2016 05:50:54

Lowest Channel / 5MHz / 16QAM



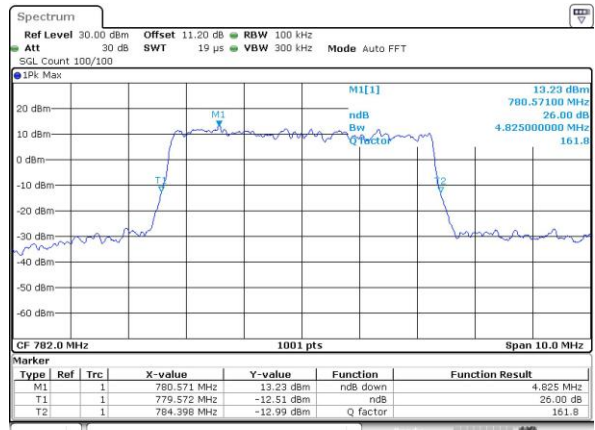
Date: 16.APR.2016 05:51:05

Middle Channel / 5MHz / QPSK



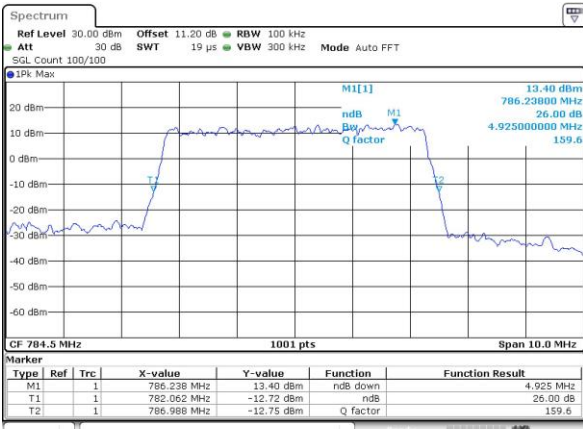
Date: 16.APR.2016 05:51:41

Middle Channel / 5MHz / 16QAM



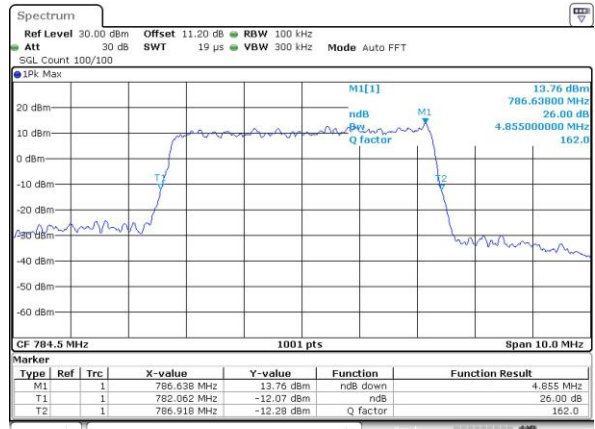
Date: 16.APR.2016 05:51:52

Highest Channel / 5MHz / QPSK



Date: 16.APR.2016 05:52:27

Highest Channel / 5MHz / 16QAM

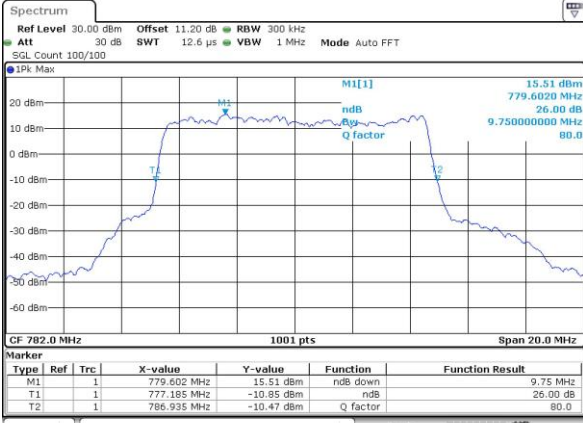


Date: 16.APR.2016 05:52:39



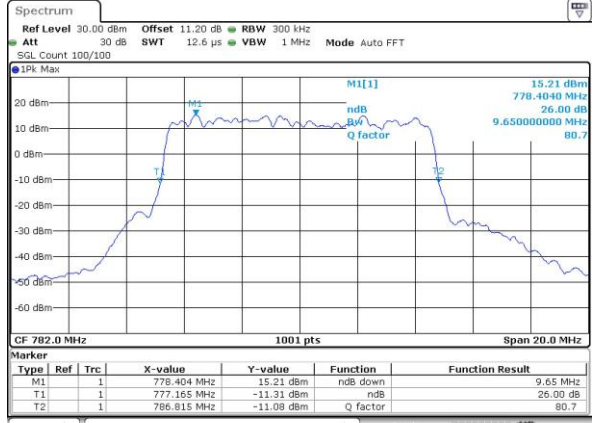
LTE Band 13

Middle Channel / 10MHz / QPSK



Date: 16, APR, 2016 05:53:14

Middle Channel / 10MHz / 16QAM



Date: 16, APR, 2016 05:53:25



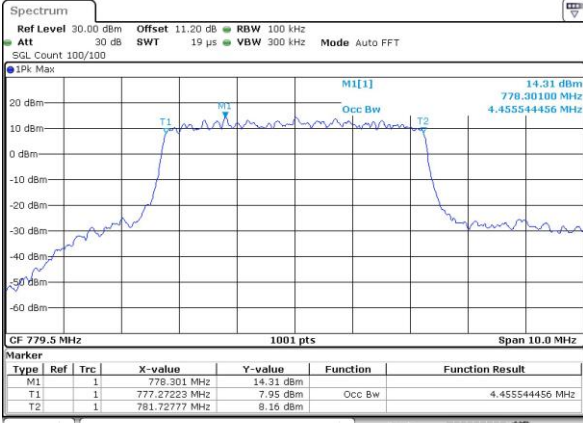
### Occupied Bandwidth

Mode	LTE Band 13 : 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	-	-	-	-	4.46	4.48	-	-	-	-	-	-
Middle CH	-	-	-	-	4.5	4.5	8.99	9.01	-	-	-	-
Highest CH	-	-	-	-	4.49	4.5	-	-	-	-	-	-



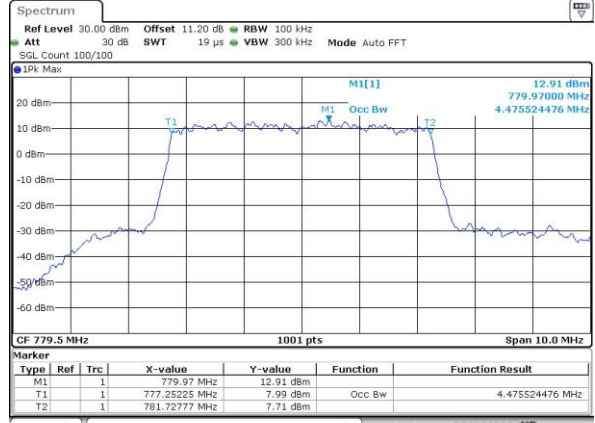
LTE Band 13

Lowest Channel / 5MHz / QPSK



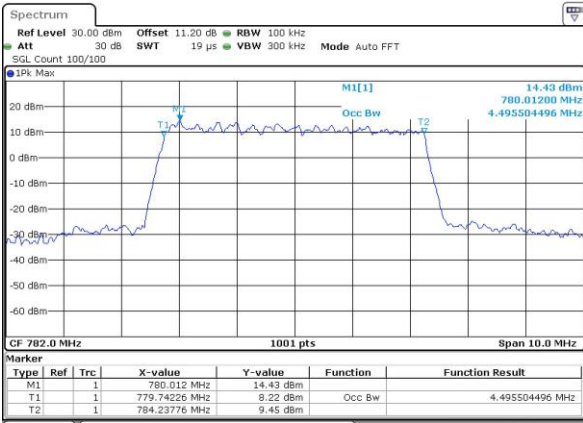
Date: 16.APR.2016 05:50:30

Lowest Channel / 5MHz / 16QAM



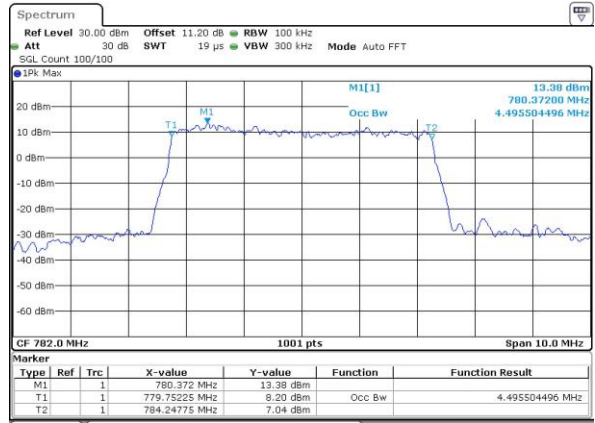
Date: 16.APR.2016 05:50:42

Middle Channel / 5MHz / QPSK



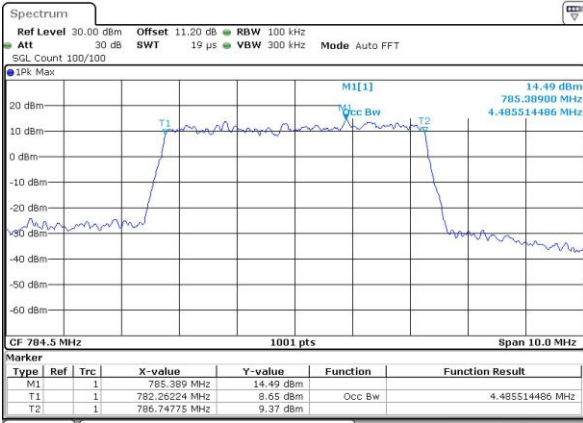
Date: 16.APR.2016 05:51:17

Middle Channel / 5MHz / 16QAM



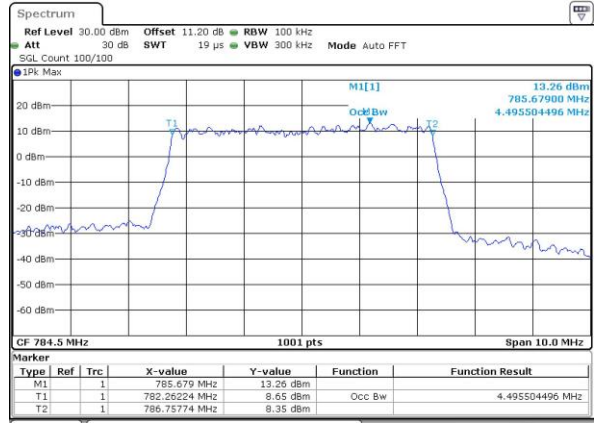
Date: 16.APR.2016 05:51:29

Highest Channel / 5MHz / QPSK



Date: 16.APR.2016 05:52:04

Highest Channel / 5MHz / 16QAM

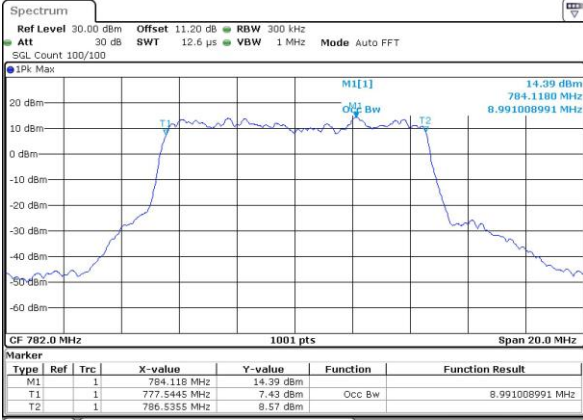


Date: 16.APR.2016 05:52:16



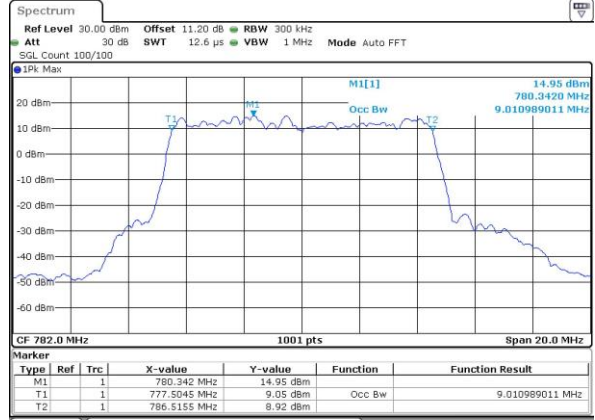
LTE Band 13

Middle Channel / 10MHz / QPSK



Date: 16, APR, 2016 05:52:50

Middle Channel / 10MHz / 16QAM



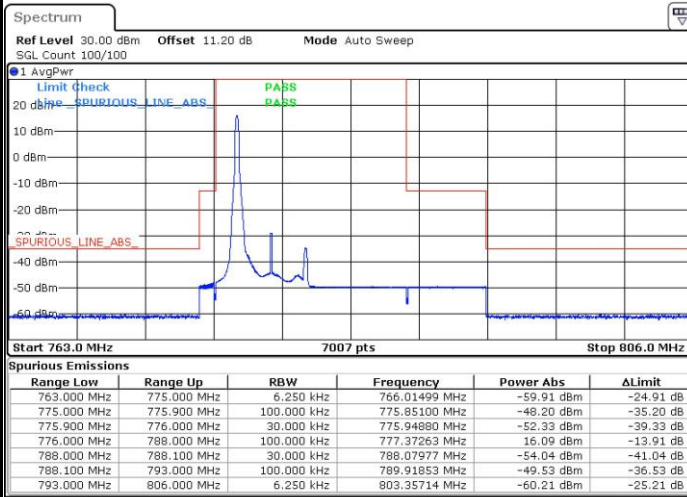
Date: 16, APR, 2016 05:53:02



# Conducted Band Edge

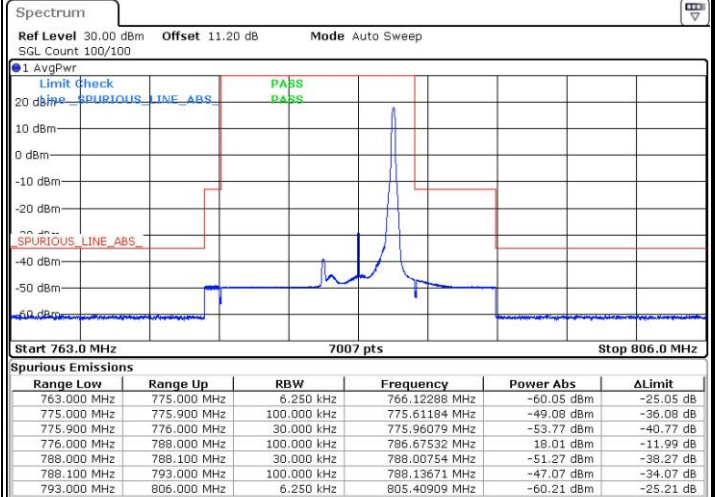
## LTE Band 13 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



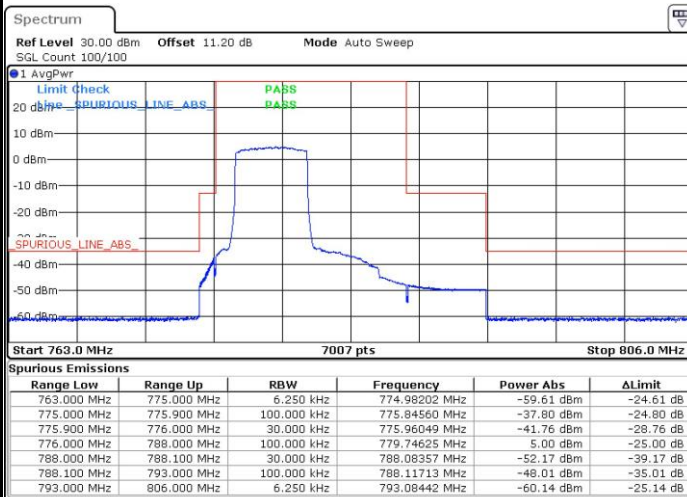
Date: 16.APR.2016 06:00:28

### Highest Band Edge / 1 RB



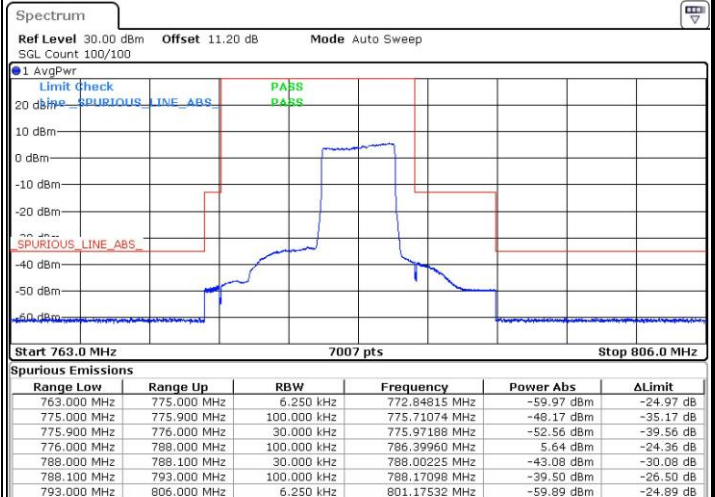
Date: 16.APR.2016 06:11:12

### Lowest Band Edge / Full RB



Date: 16.APR.2016 06:01:55

### Highest Band Edge / Full RB



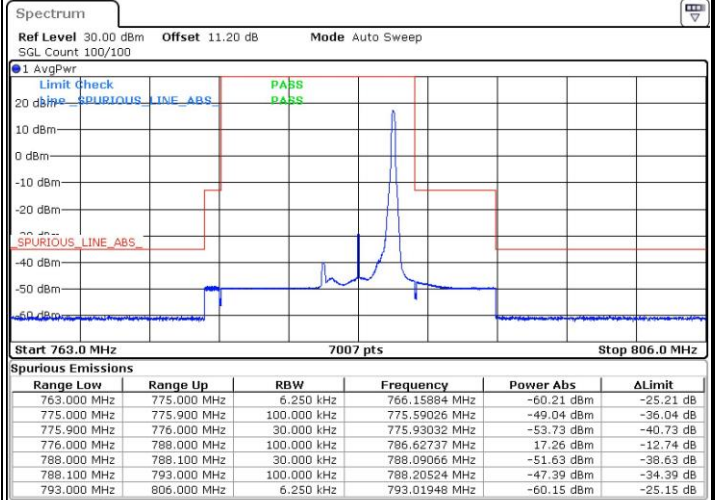
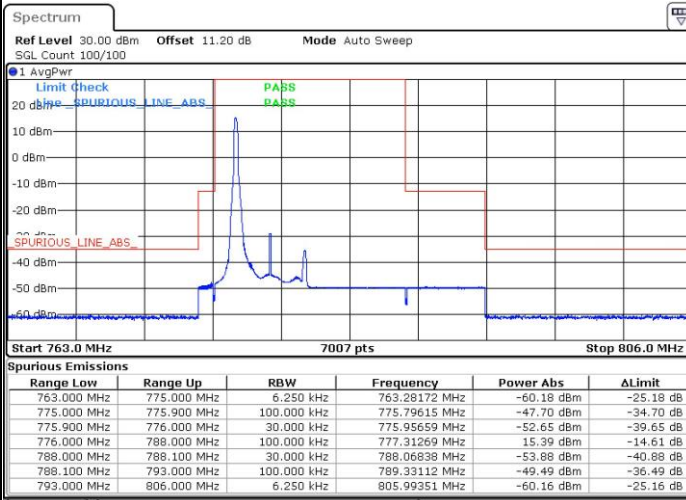
Date: 16.APR.2016 06:06:38



LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

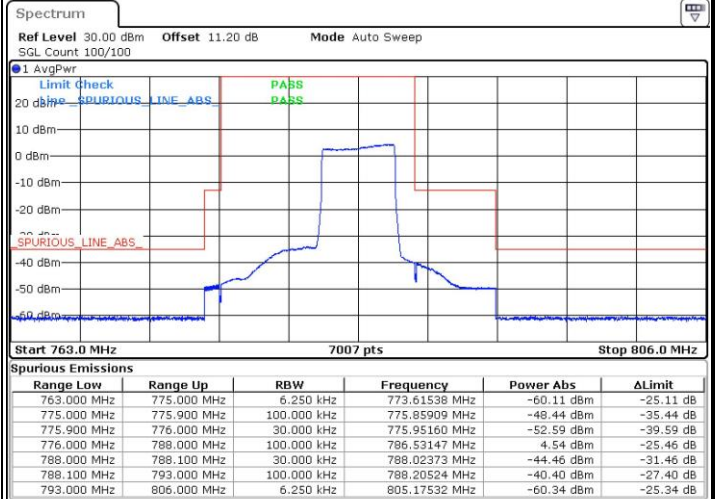
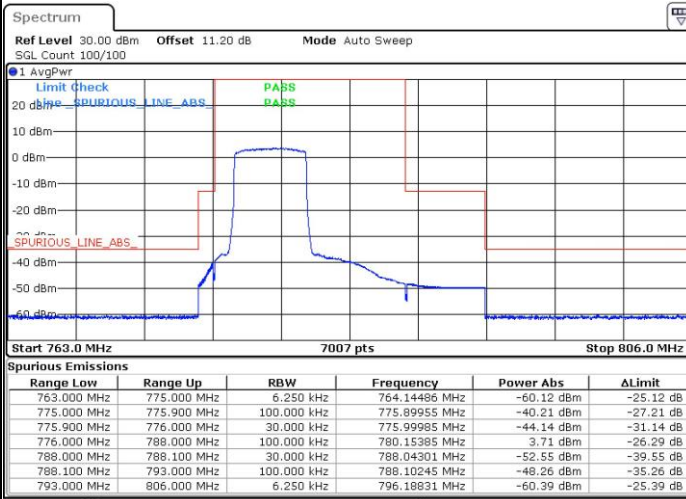


Date: 16.APR.2016 05:57:53

Date: 16.APR.2016 06:09:18

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



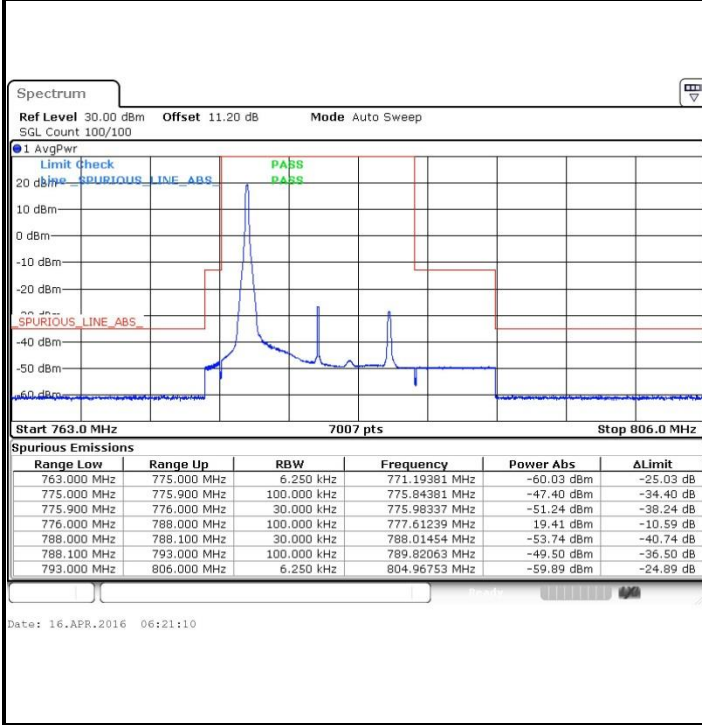
Date: 16.APR.2016 06:03:19

Date: 16.APR.2016 06:04:44

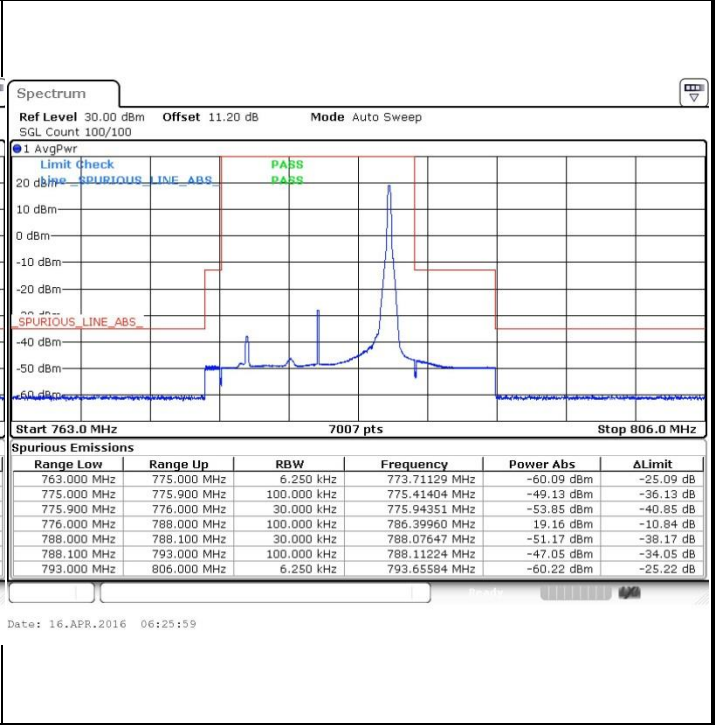


**LTE Band 13 / 10MHz / QPSK**

**Lowest Band Edge / 1 RB**



**Highest Band Edge / 1 RB**



**Band Edge / Full RB**

