



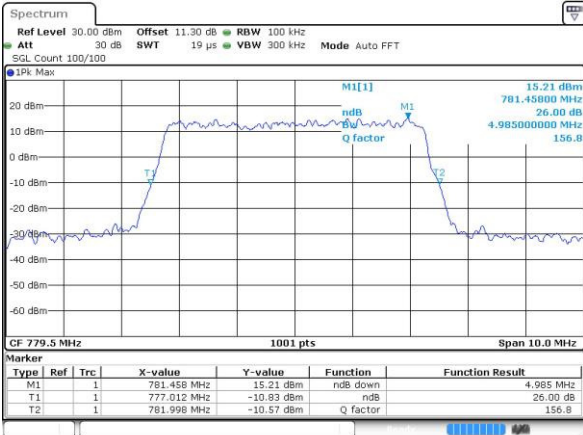
26dB Bandwidth

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	-	-	-	-	4.99	4.97	-	-	-	-	-	-
Middle CH	-	-	-	-	5.02	4.97	9.75	9.65	-	-	-	-
Highest CH	-	-	-	-	5.02	4.94	-	-	-	-	-	-



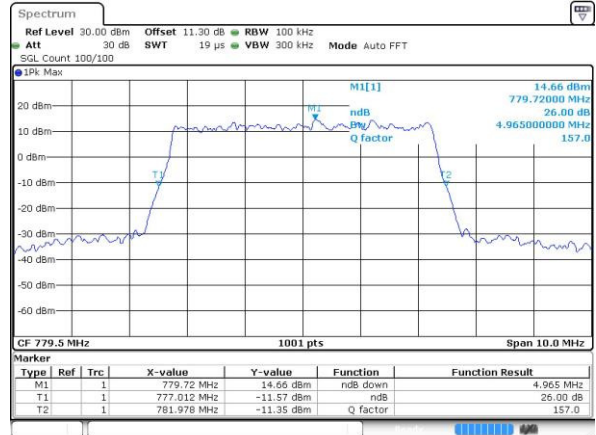
LTE Band 13

Lowest Channel / 5MHz / QPSK



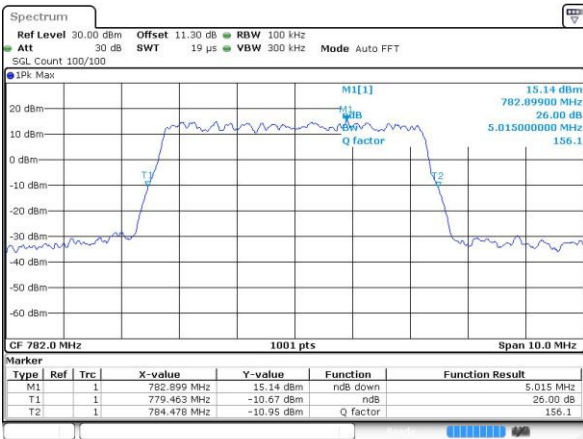
Date: 15 FEB 2016 09:53:29

Lowest Channel / 5MHz / 16QAM



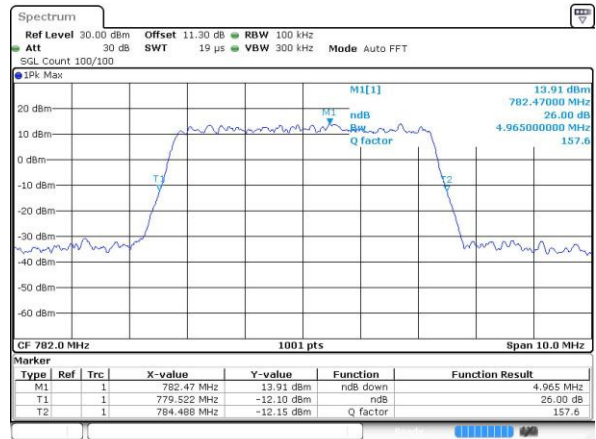
Date: 15 FEB 2016 09:53:19

Middle Channel / 5MHz / QPSK



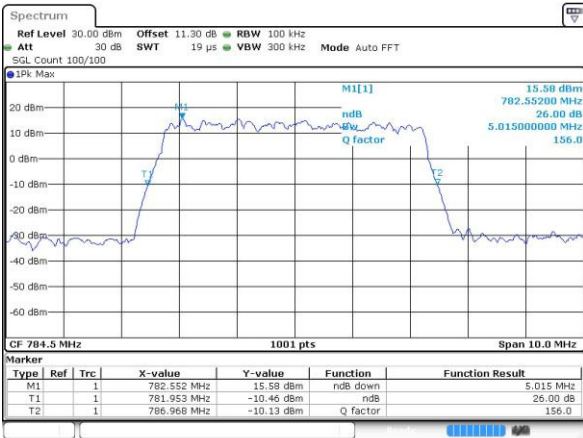
Date: 15 FEB 2016 10:03:23

Middle Channel / 5MHz / 16QAM



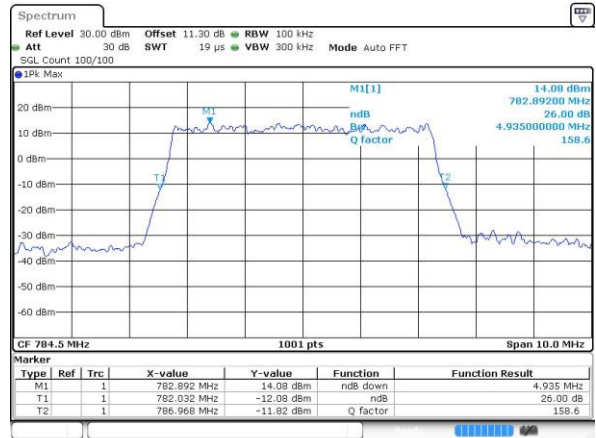
Date: 15 FEB 2016 10:03:34

Highest Channel / 5MHz / QPSK



Date: 15 FEB 2016 10:04:37

Highest Channel / 5MHz / 16QAM



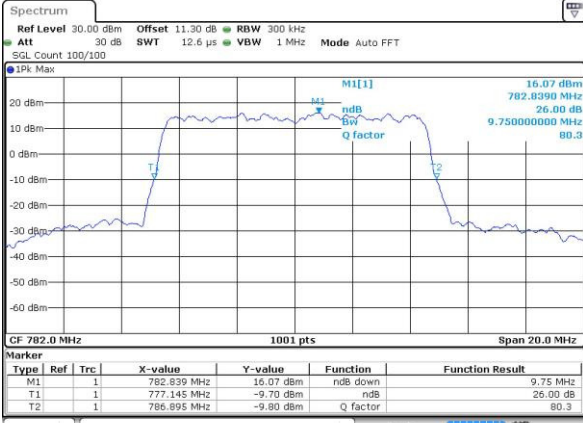
Date: 15 FEB 2016 10:04:27



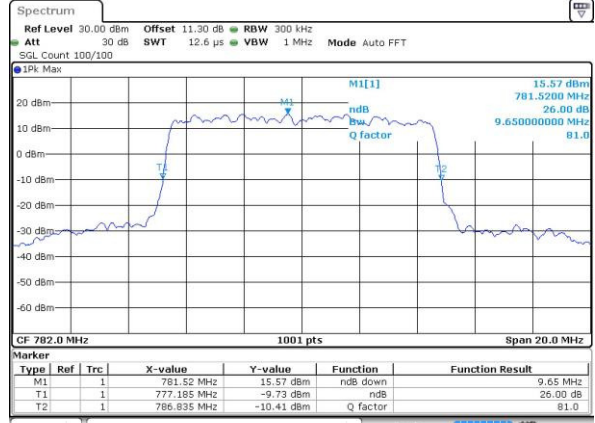
LTE Band 13

Middle Channel / 10MHz / QPSK

Middle Channel / 10MHz / 16QAM



Date: 15 FEB 2016 10:11:46



Date: 15 FEB 2016 10:11:35



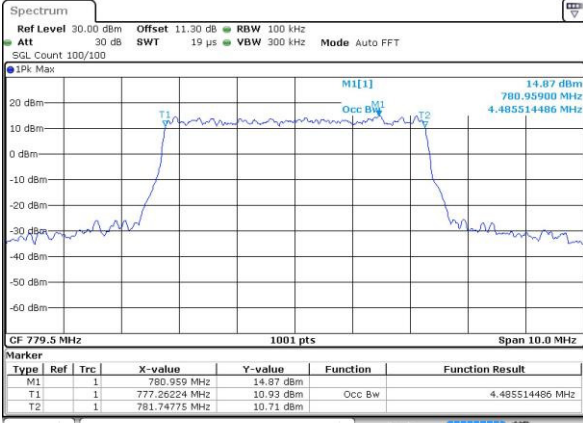
Occupied Bandwidth

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
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.49	4.48	-	-	-	-	-	-
Middle CH	-	-	-	-	4.51	4.5	9.05	9.03	-	-	-	-
Highest CH	-	-	-	-	4.48	4.47	-	-	-	-	-	-



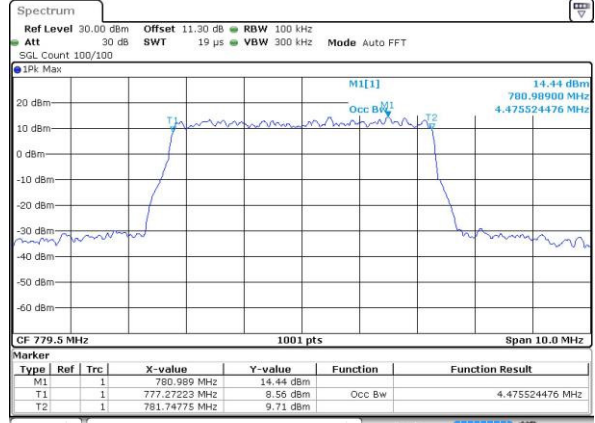
LTE Band 13

Lowest Channel / 5MHz / QPSK



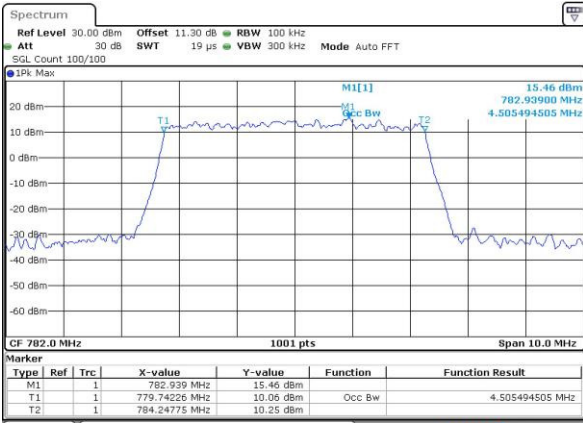
Date: 15 FEB 2016 09:52:57

Lowest Channel / 5MHz / 16QAM



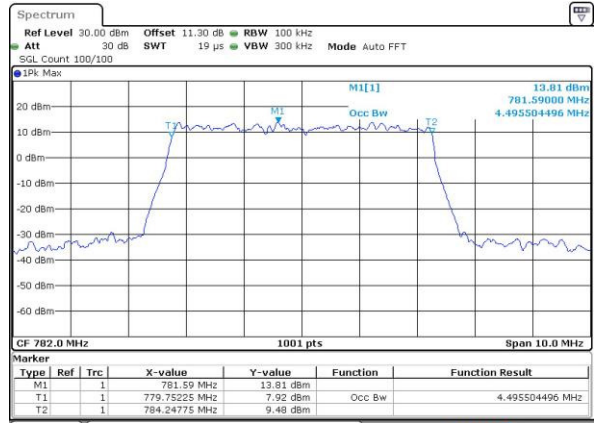
Date: 15 FEB 2016 09:53:08

Middle Channel / 5MHz / QPSK



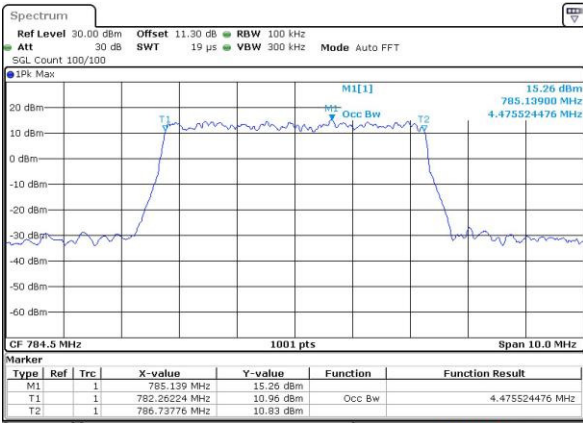
Date: 15 FEB 2016 10:03:55

Middle Channel / 5MHz / 16QAM



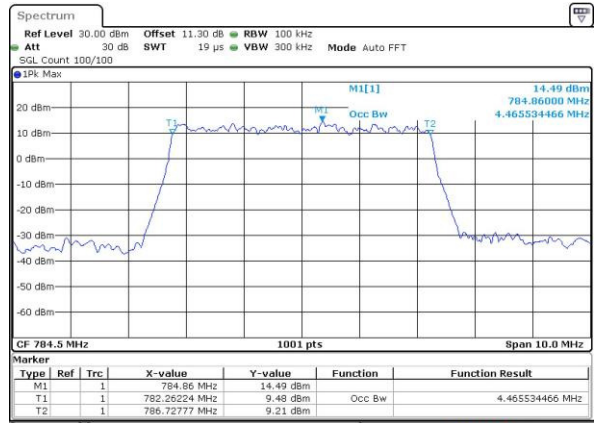
Date: 15 FEB 2016 10:03:44

Highest Channel / 5MHz / QPSK



Date: 15 FEB 2016 10:04:06

Highest Channel / 5MHz / 16QAM



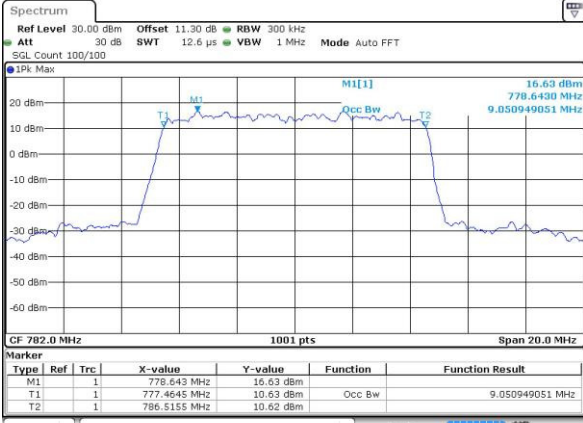
Date: 15 FEB 2016 10:04:16



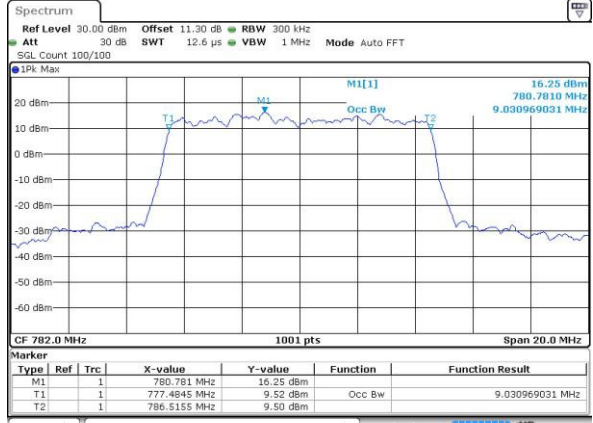
LTE Band 13

Middle Channel / 10MHz / QPSK

Middle Channel / 10MHz / 16QAM



Date: 15 FEB 2016 10:11:14



Date: 15 FEB 2016 10:11:25



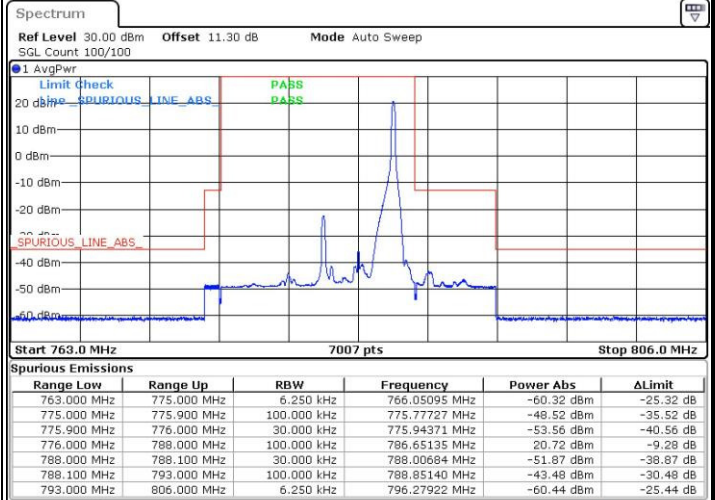
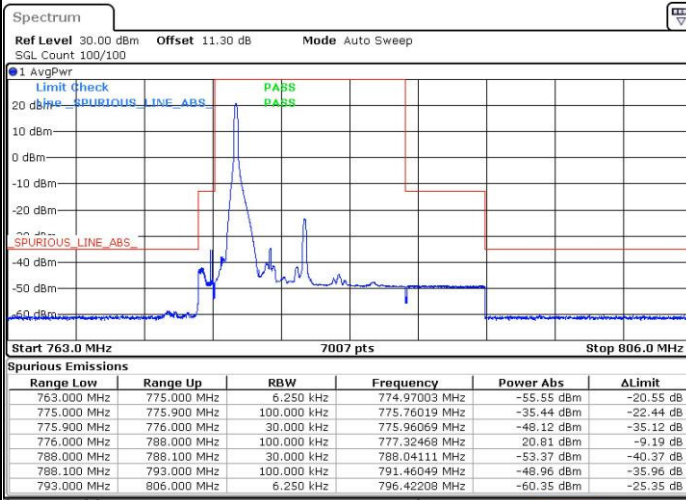
Conducted Band Edge



LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

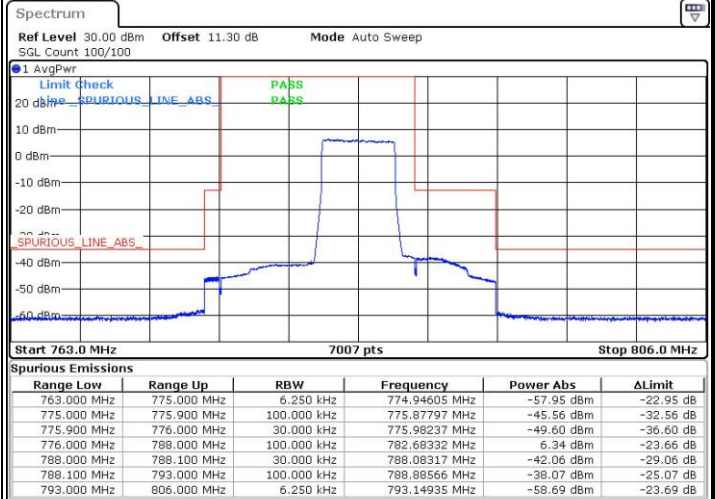
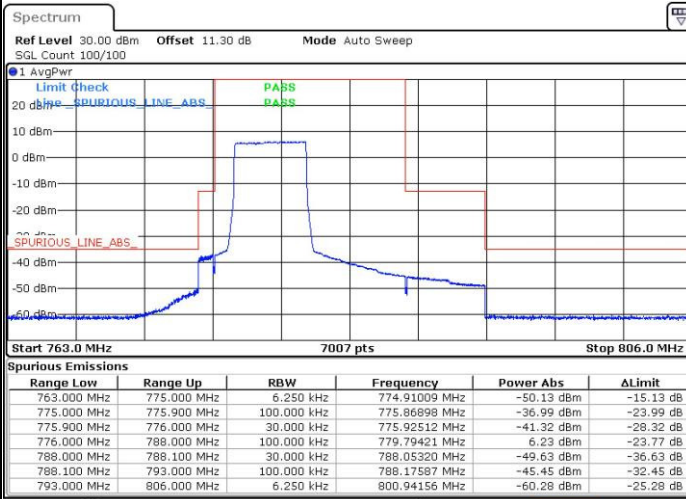


Date: 15.FEB.2016 09:59:35

Date: 15.FEB.2016 10:09:15

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 15.FEB.2016 09:56:07

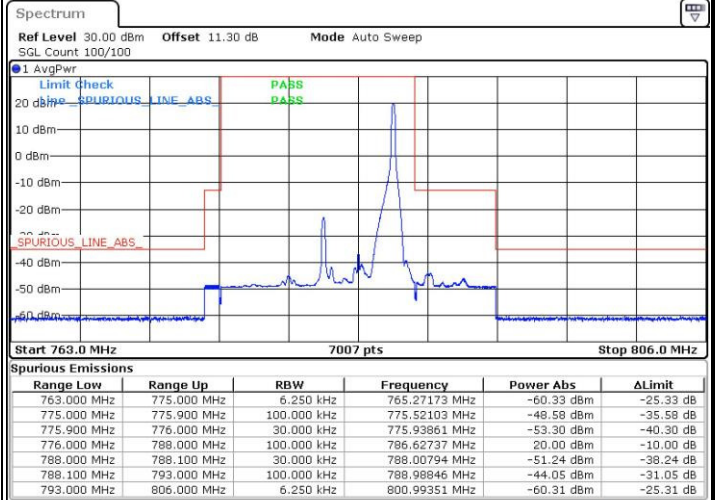
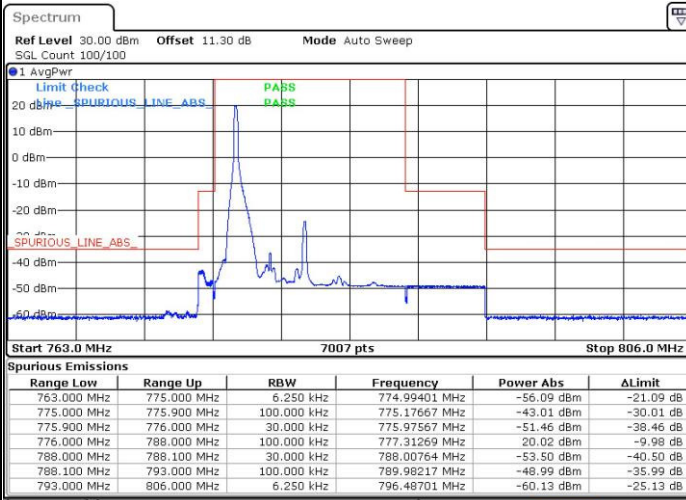
Date: 15.FEB.2016 10:05:46



LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

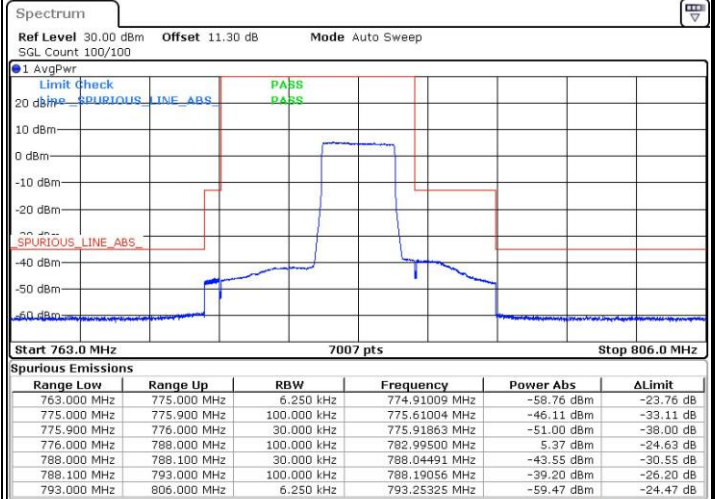
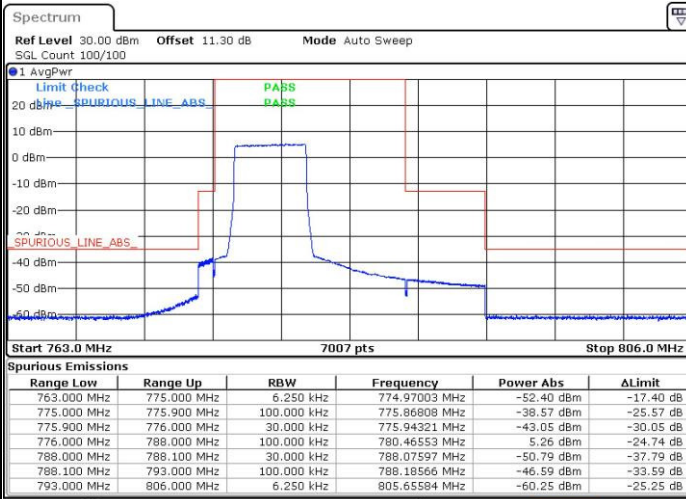


Date: 15.FEB.2016 09:58:26

Date: 15.FEB.2016 10:08:05

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



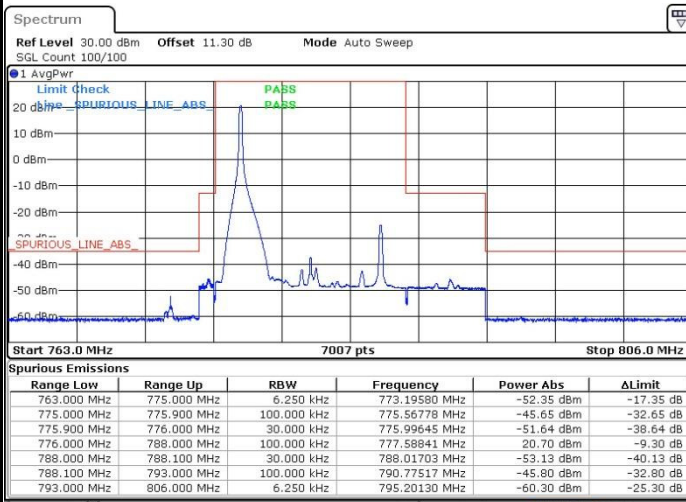
Date: 15.FEB.2016 09:57:16

Date: 15.FEB.2016 10:06:56



LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB



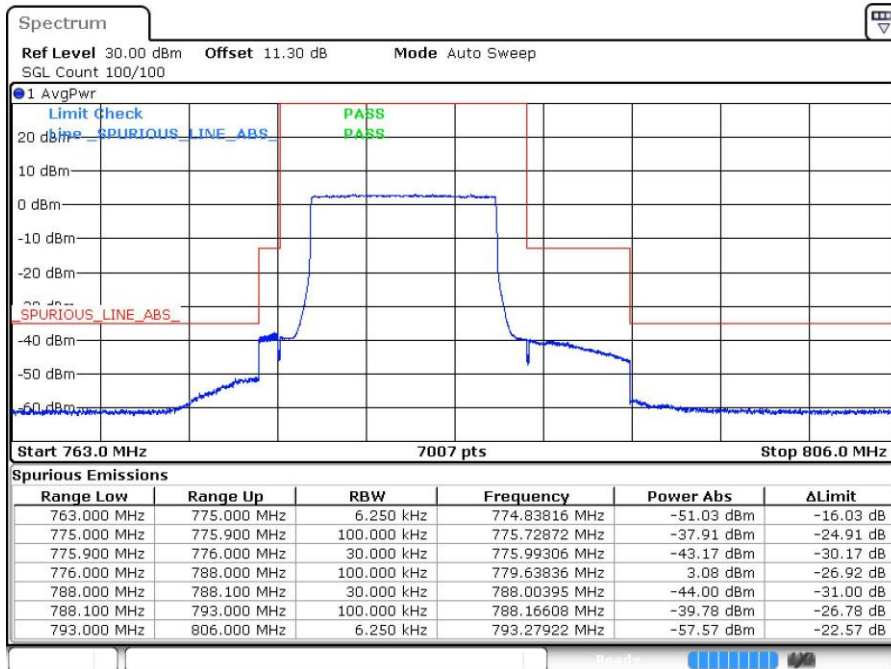
Date: 15.FEB.2016 10:16:23

Highest Band Edge / 1 RB



Date: 15.FEB.2016 10:17:33

Band Edge / Full RB

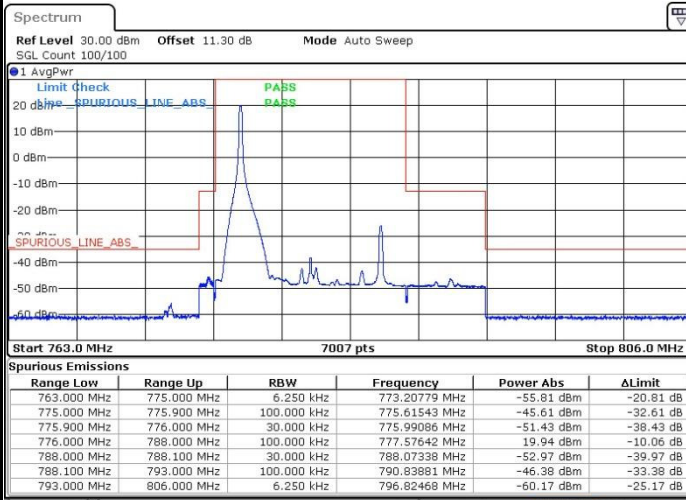


Date: 15.FEB.2016 10:12:55



LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



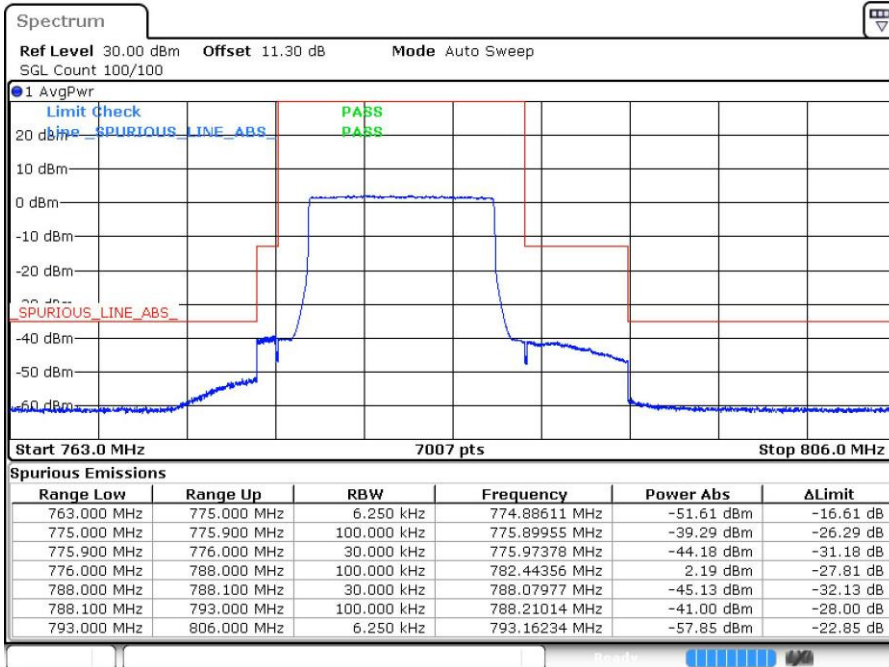
Date: 15.FEB.2016 10:15:14

Highest Band Edge / 1 RB



Date: 15.FEB.2016 10:18:42

Band Edge / Full RB



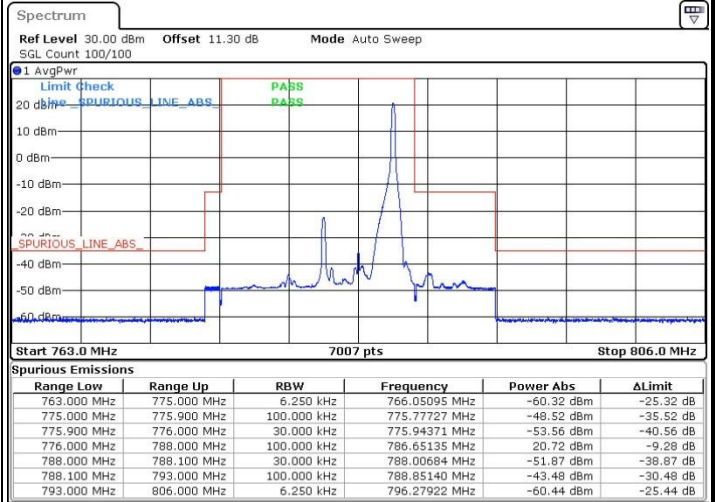
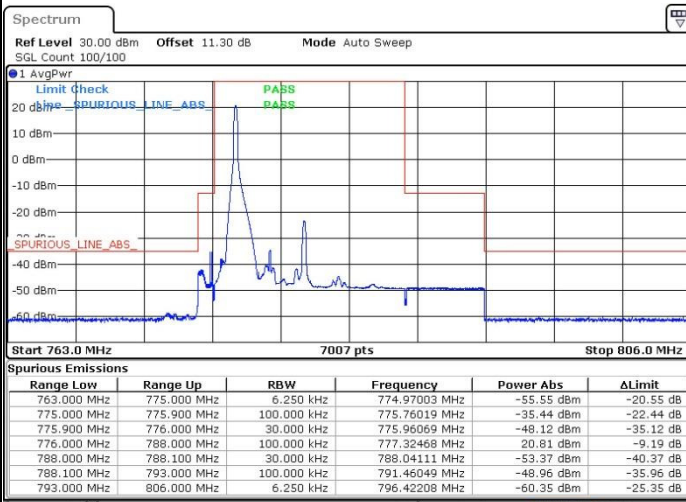
Date: 15.FEB.2016 10:14:04



IC LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

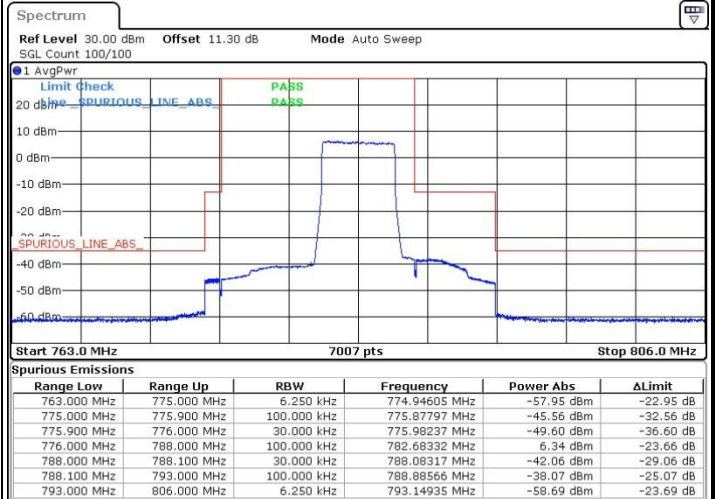
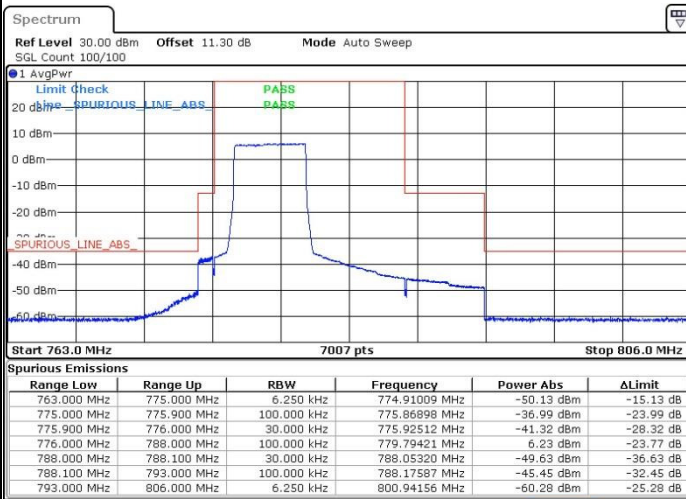


Date: 15.FEB.2016 09:59:35

Date: 15.FEB.2016 10:09:15

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 15.FEB.2016 09:56:07

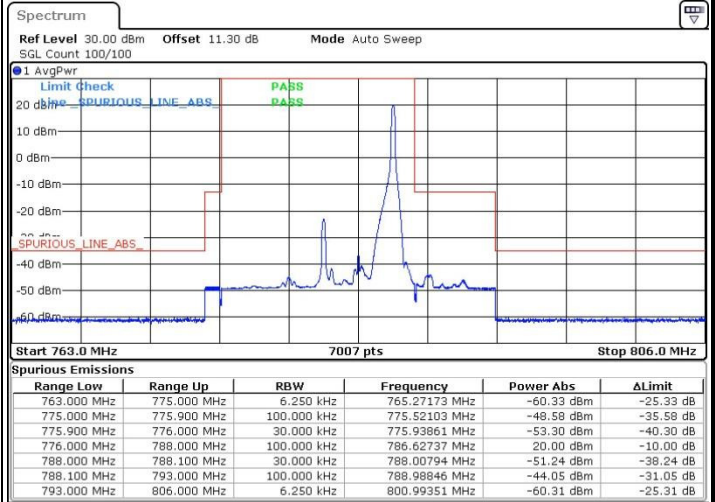
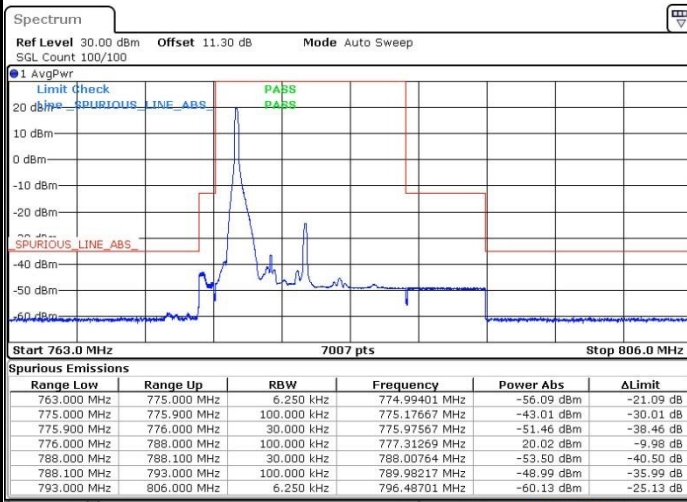
Date: 15.FEB.2016 10:05:46



IC LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

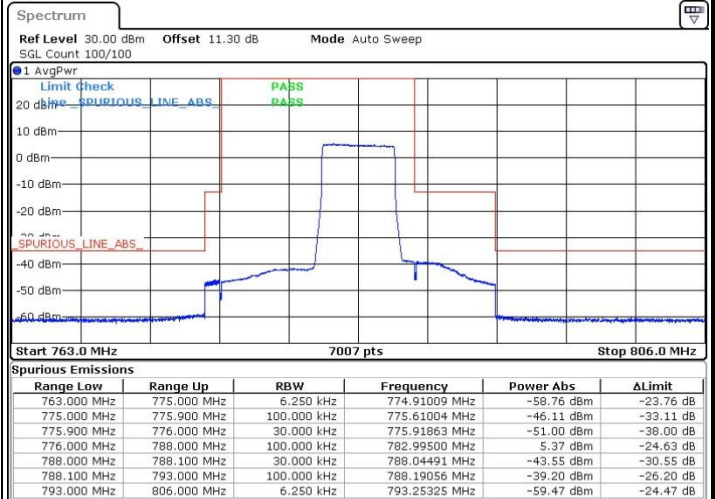
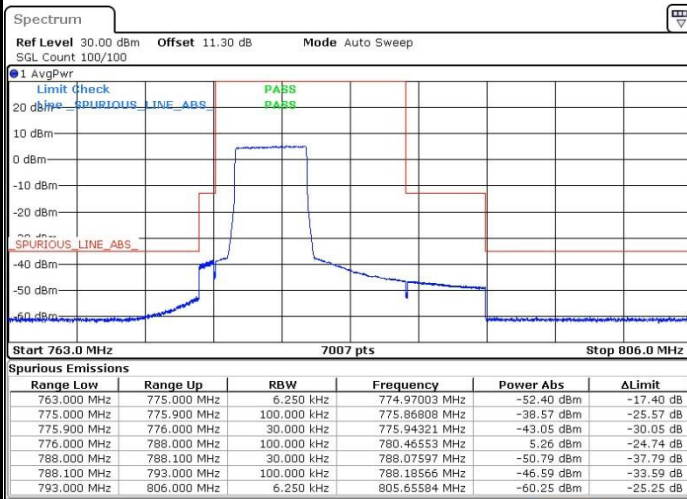


Date: 15.FEB.2016 09:58:26

Date: 15.FEB.2016 10:08:05

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



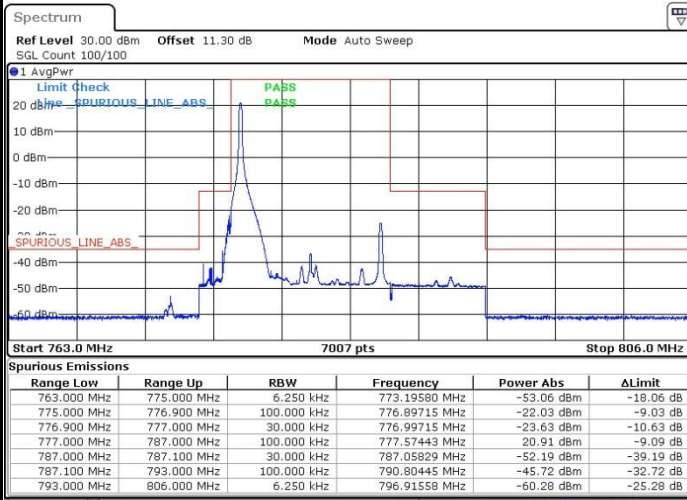
Date: 15.FEB.2016 09:57:16

Date: 15.FEB.2016 10:06:56



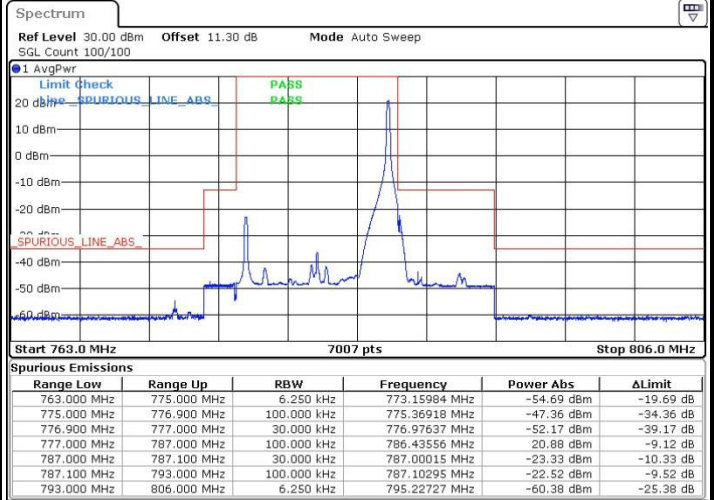
IC LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB



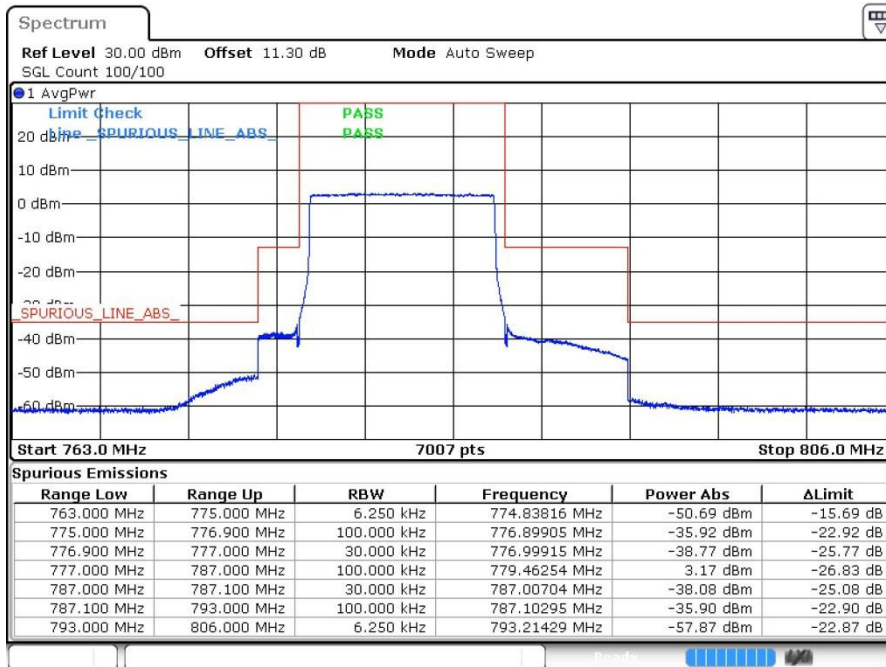
Date: 15.FEB.2016 11:01:30

Highest Band Edge / 1 RB



Date: 15.FEB.2016 11:02:40

Band Edge / Full RB

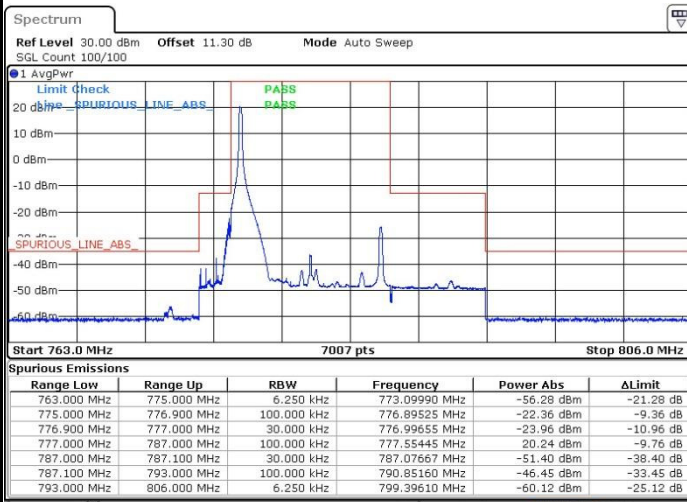


Date: 15.FEB.2016 10:58:02



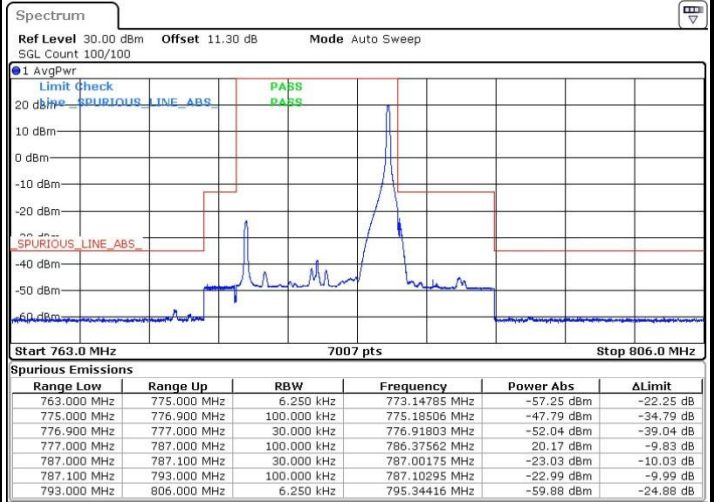
IC LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



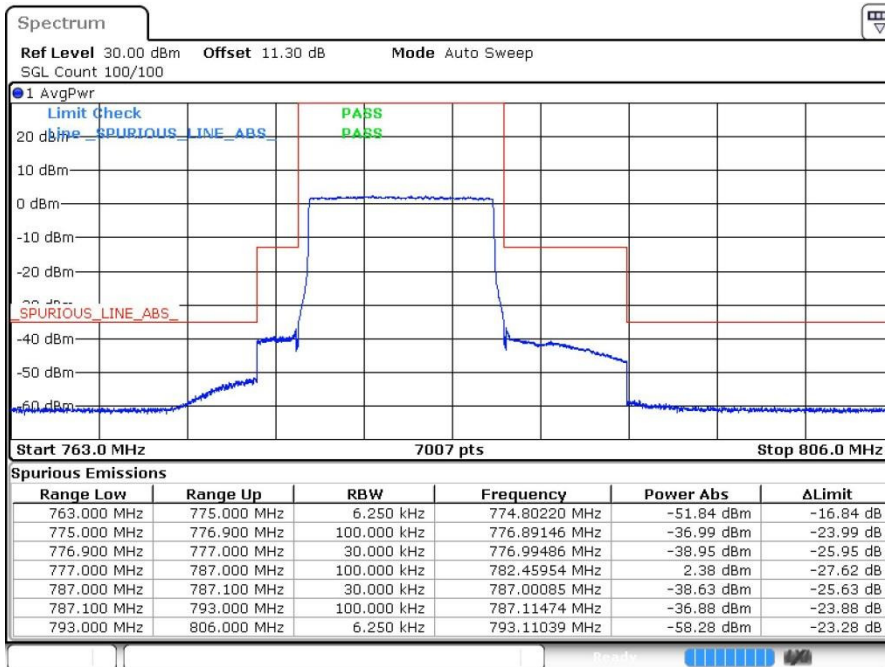
Date: 15.FEB.2016 11:00:21

Highest Band Edge / 1 RB



Date: 15.FEB.2016 11:03:49

Band Edge / Full RB



Date: 15.FEB.2016 10:59:11

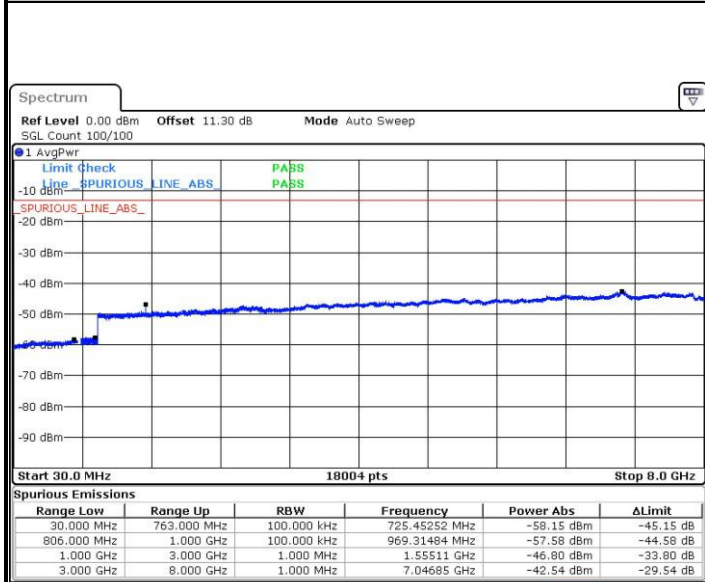


Conducted Spurious Emission



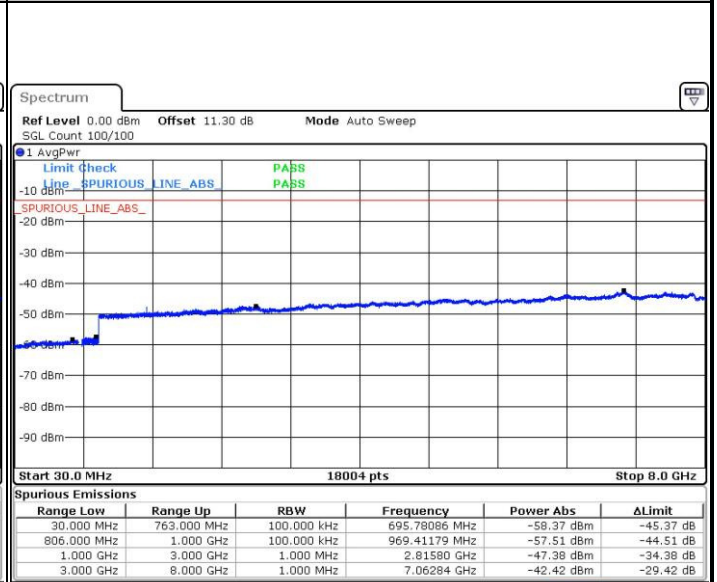
LTE Band 13 / 5MHz

Lowest Channel / QPSK



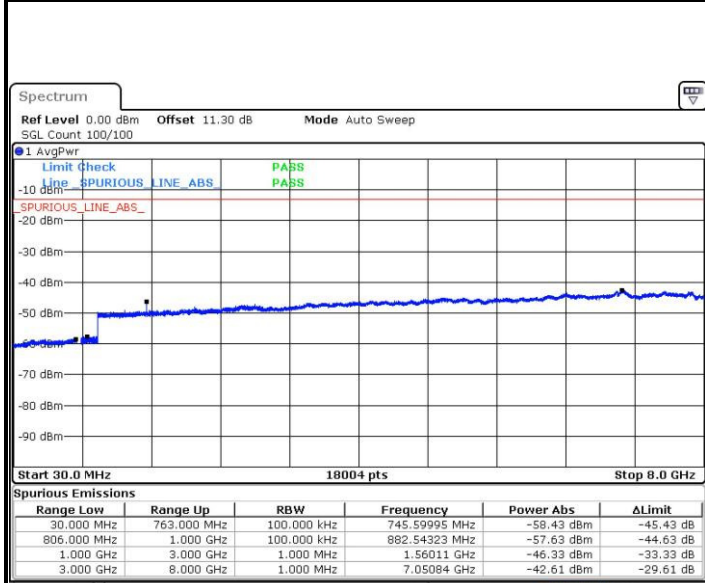
Date: 15.FEB.2016 10:00:30

Lowest Channel / 16QAM



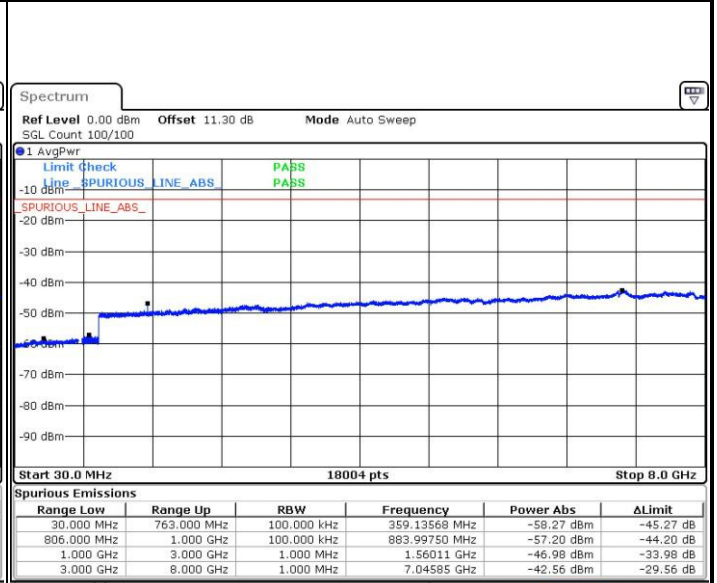
Date: 15.FEB.2016 10:01:25

Middle Channel / QPSK



Date: 15.FEB.2016 10:03:13

Middle Channel / 16QAM

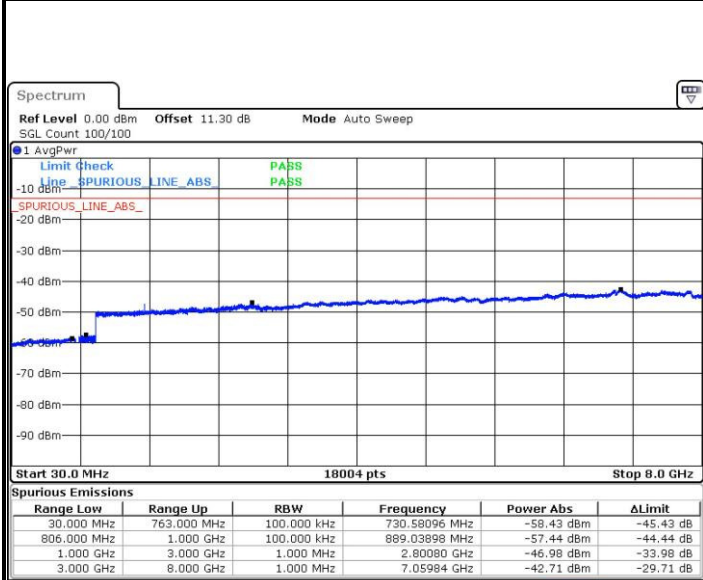


Date: 15.FEB.2016 10:02:19



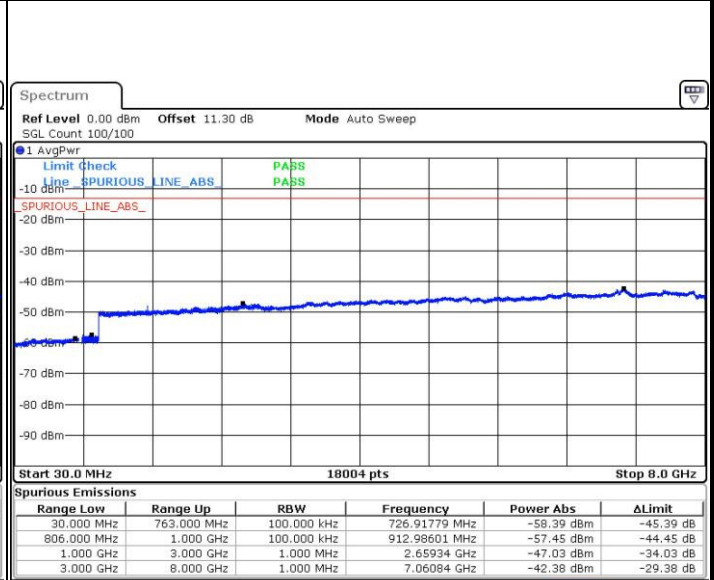
LTE Band 13 / 5MHz

Highest Channel / QPSK



Date: 15.FEB.2016 10:10:10

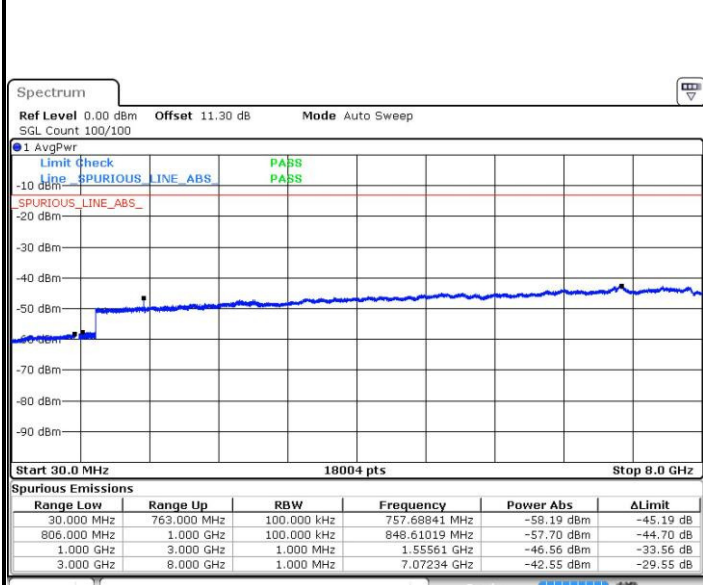
Highest Channel / 16QAM



Date: 15.FEB.2016 10:11:04

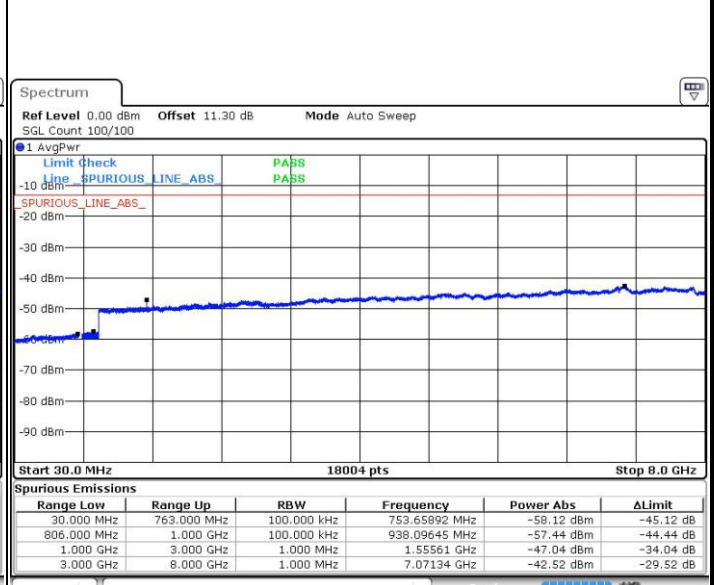
LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 15.FEB.2016 11:11:03

Middle Channel / 16QAM



Date: 15.FEB.2016 11:10:09



Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0058	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0055	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0047	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0047	

Note:

1. Normal Voltage = 3.7V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.1 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 17

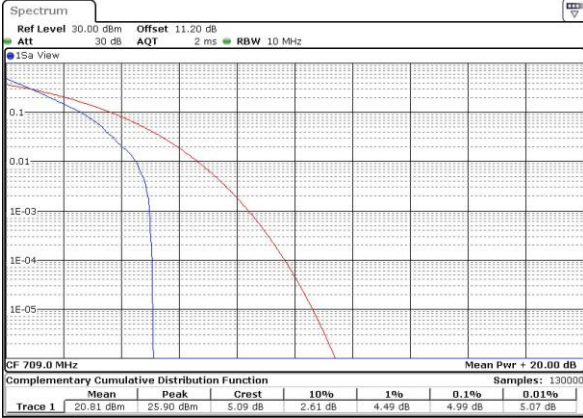
Peak-to-Average Ratio

Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.99	5.25	5.71	6.09	PASS
Middle CH	4.9	5.28	6.06	6.06	
Highest CH	4.67	5.28	5.88	6.03	



LTE Band 17 / 10MHz / QPSK

Lowest Channel / 1RB



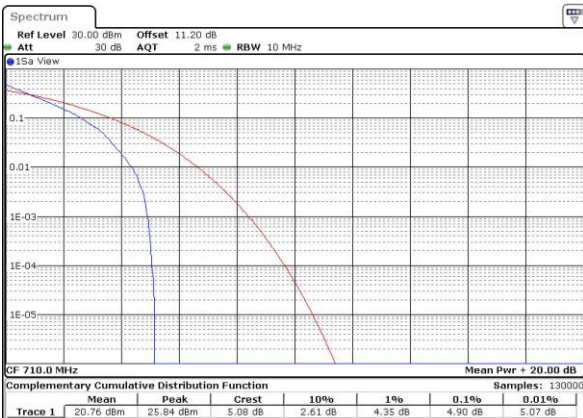
Date: 15 FEB 2016 13:38:00

Lowest Channel / Full RB



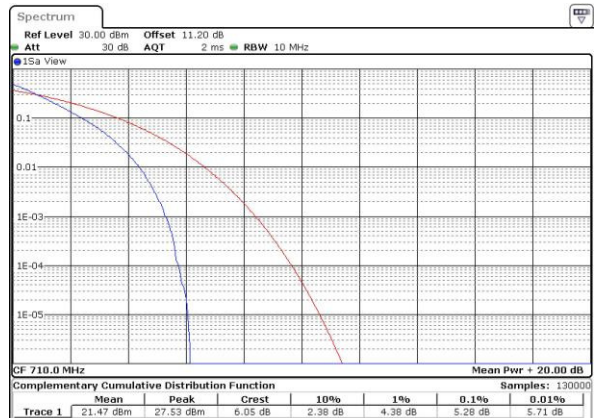
Date: 15 FEB 2016 13:38:17

Middle Channel / 1RB



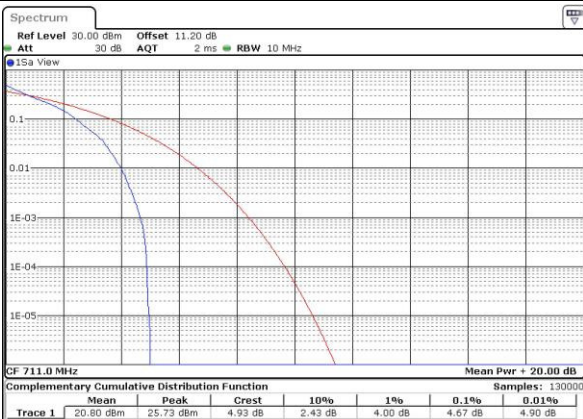
Date: 15 FEB 2016 13:38:35

Middle Channel / Full RB



Date: 15 FEB 2016 13:38:54

Highest Channel / 1RB



Date: 15 FEB 2016 13:39:05

Highest Channel / Full RB

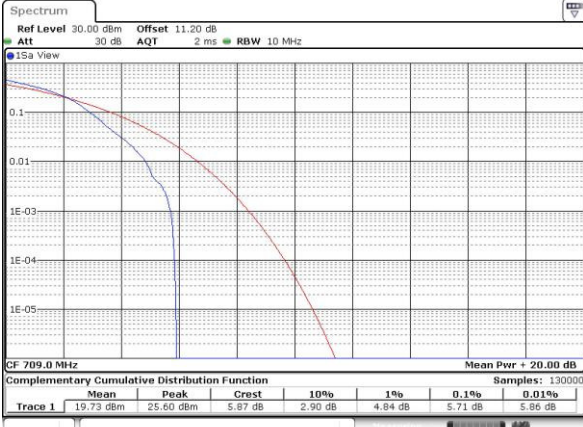


Date: 15 FEB 2016 13:39:20



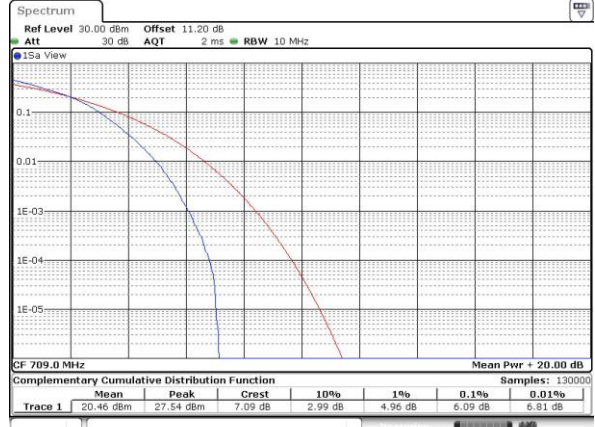
LTE Band 17 / 10MHz / 16QAM

Lowest Channel / 1RB



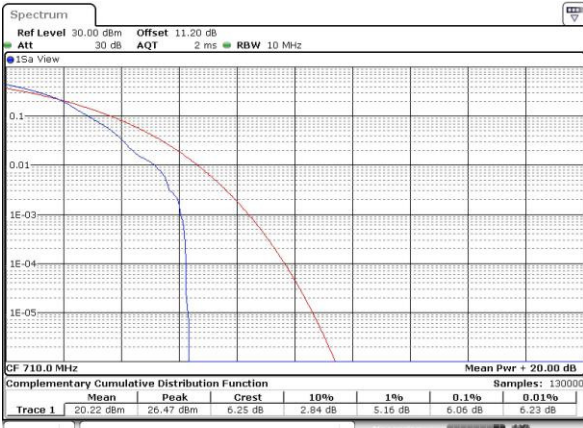
Date: 15 FEB 2016 13:36:44

Lowest Channel / Full RB



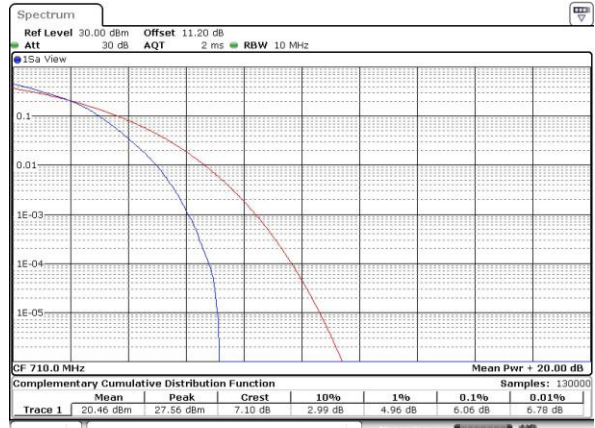
Date: 15 FEB 2016 13:36:54

Middle Channel / 1RB



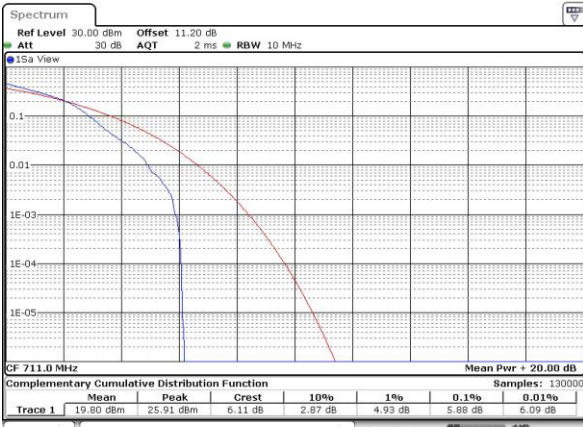
Date: 15 FEB 2016 13:37:04

Middle Channel / Full RB



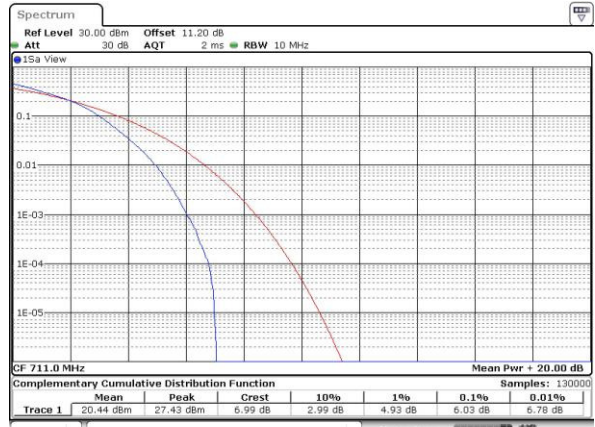
Date: 15 FEB 2016 13:37:15

Highest Channel / 1RB



Date: 15 FEB 2016 13:37:29

Highest Channel / Full RB



Date: 15 FEB 2016 13:37:39