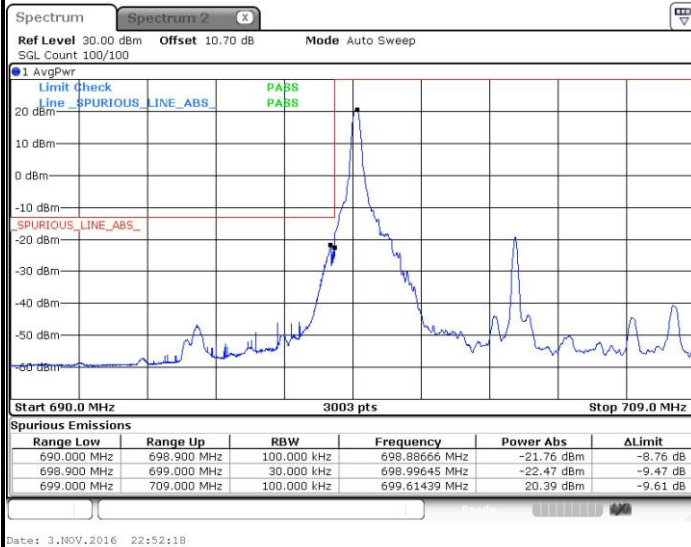


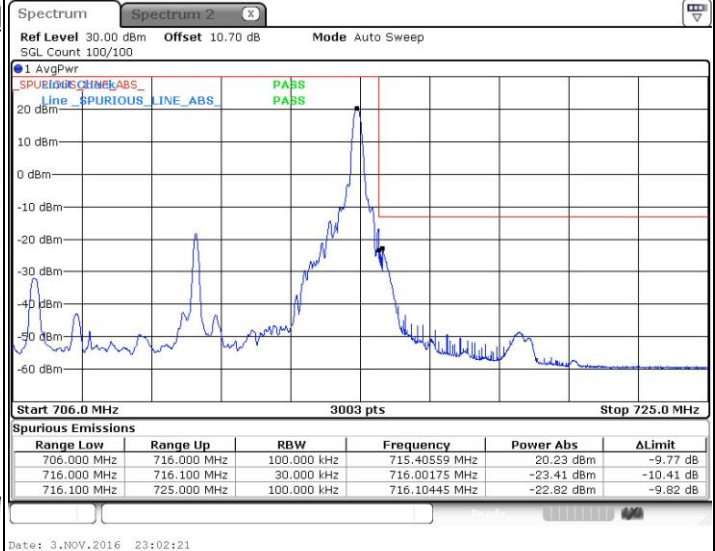


LTE Band 12 / 10MHz / 16QAM

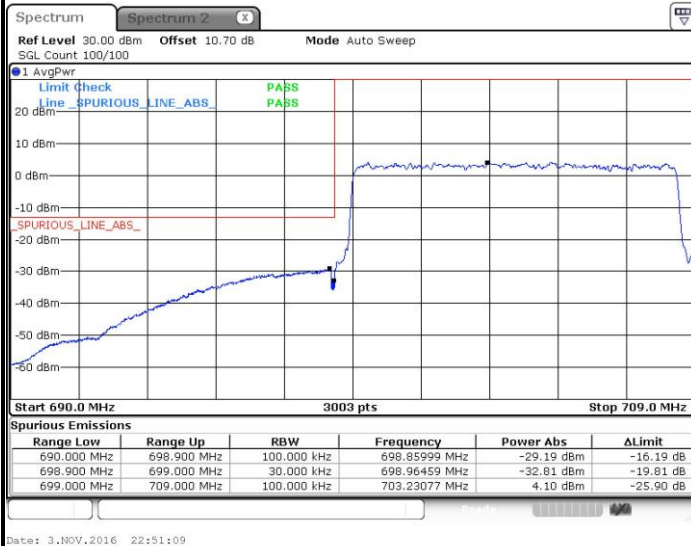
Lowest Band Edge / 1 RB



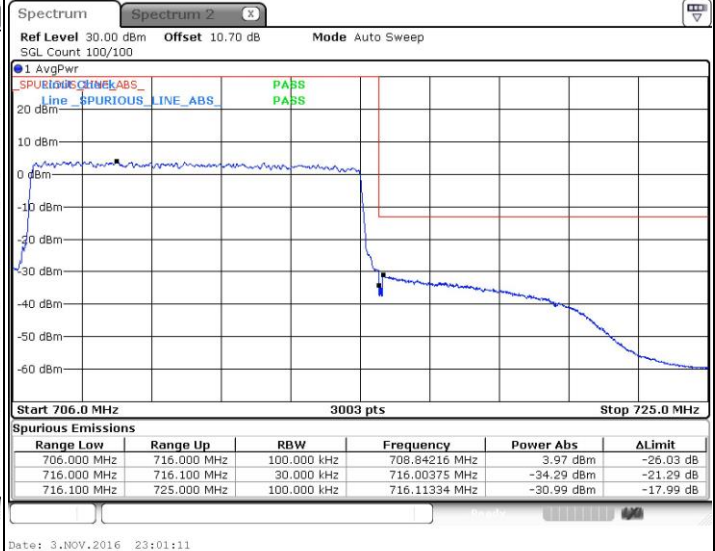
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

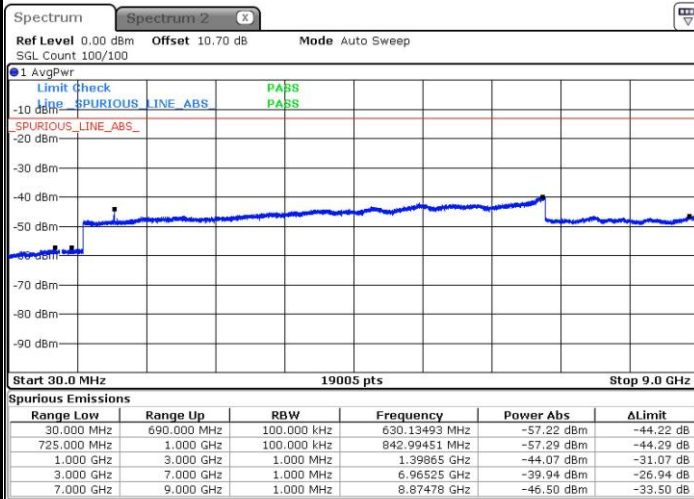




Conducted Spurious Emission

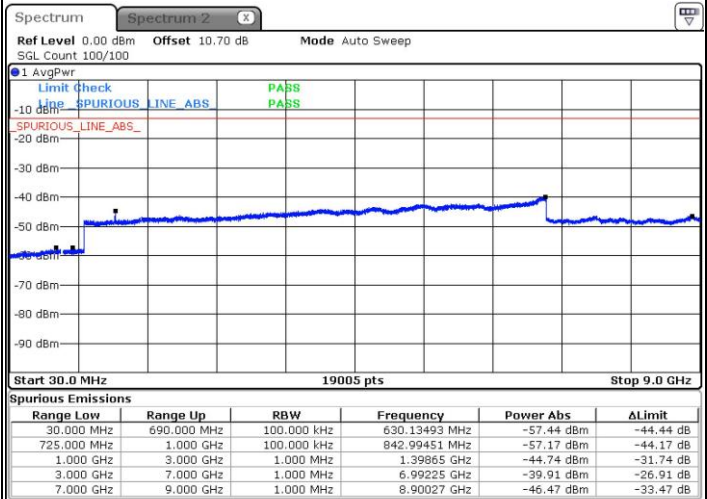
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



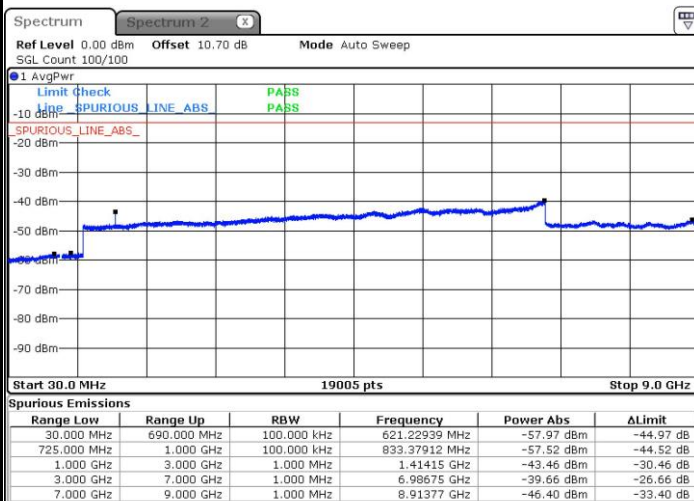
Date: 3.NOV.2016 23:18:36

Lowest Channel / 16QAM



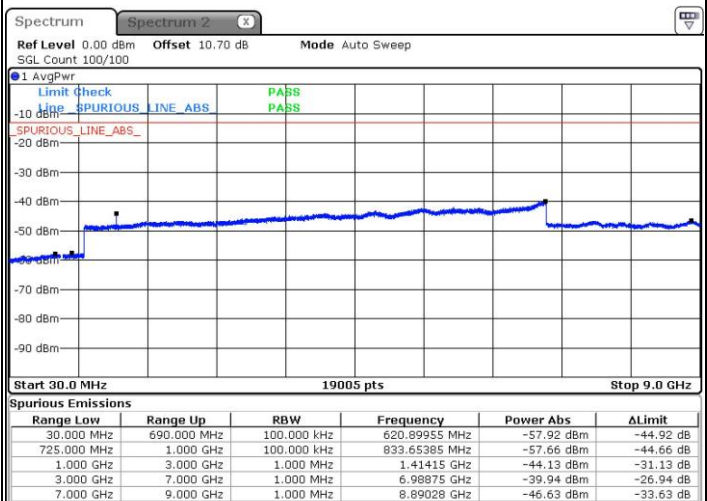
Date: 3.NOV.2016 23:19:33

Middle Channel / QPSK



Date: 3.NOV.2016 23:26:17

Middle Channel / 16QAM

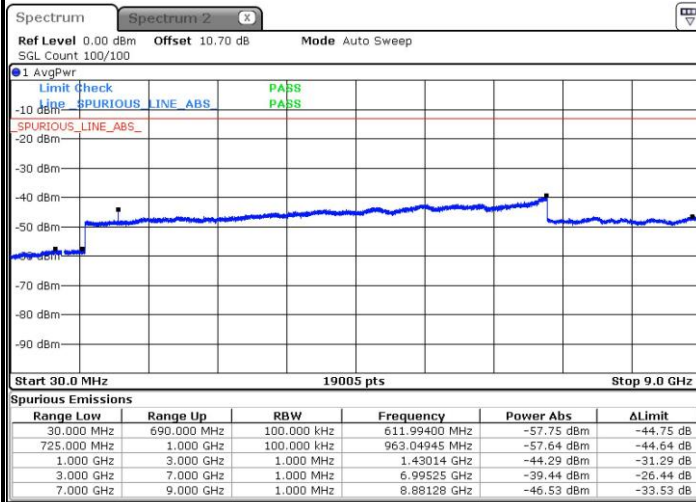


Date: 3.NOV.2016 23:25:20



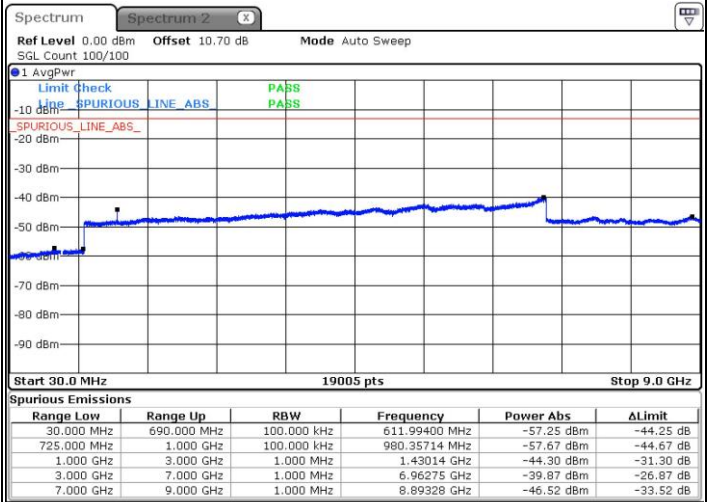
LTE Band 12 / 1.4MHz

Highest Channel / QPSK



Date: 3.NOV.2016 23:32:40

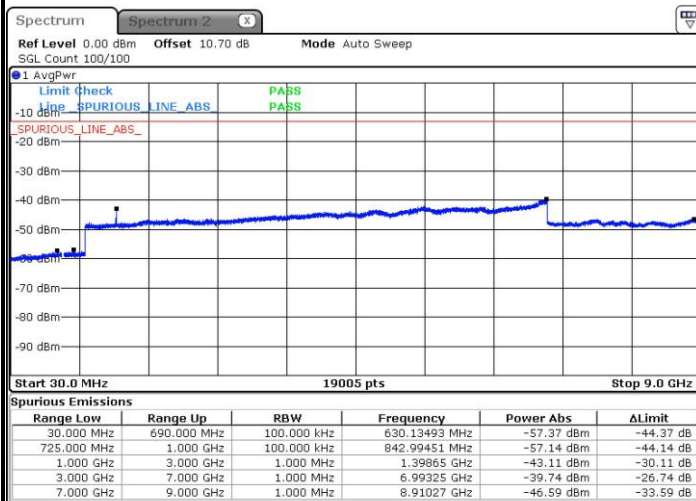
Highest Channel / 16QAM



Date: 3.NOV.2016 23:33:37

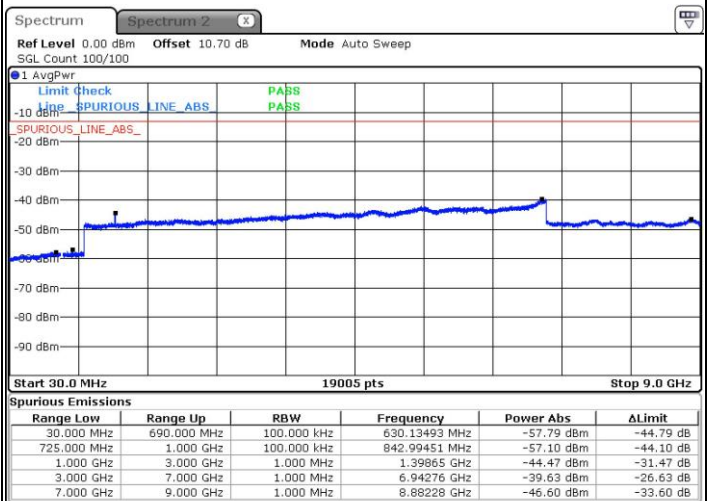
LTE Band 12 / 3MHz

Lowest Channel / QPSK



Date: 3.NOV.2016 22:19:39

Lowest Channel / 16QAM

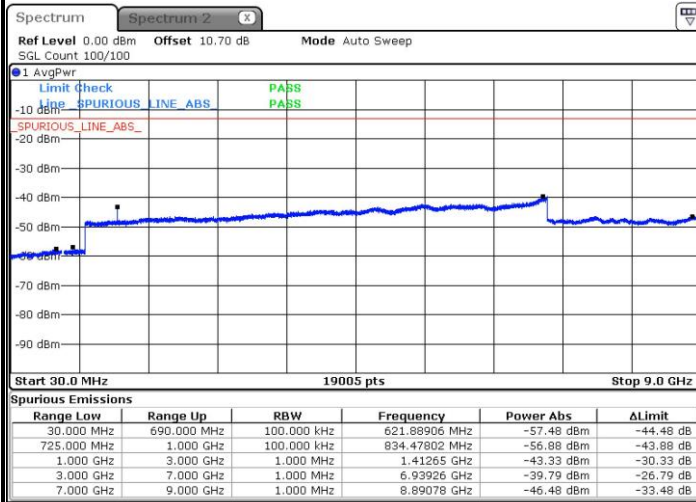


Date: 3.NOV.2016 22:20:37



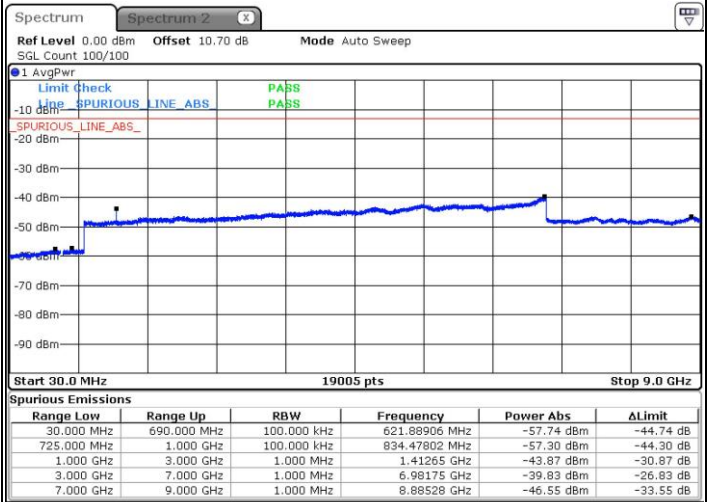
LTE Band 12 / 3MHz

Middle Channel / QPSK



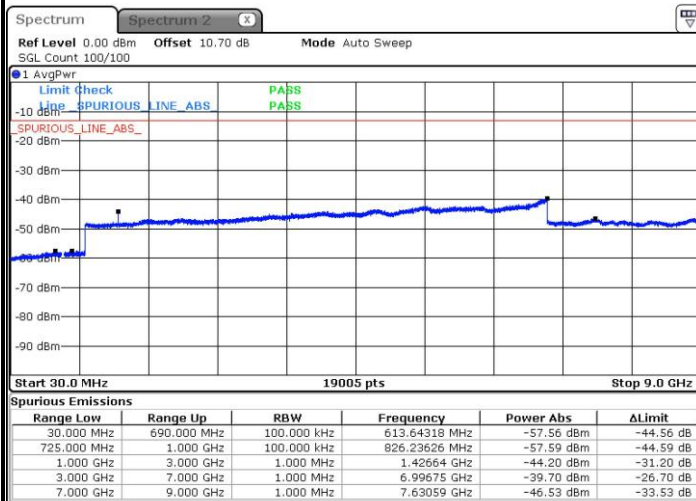
Date: 3.NOV.2016 22:23:20

Middle Channel / 16QAM



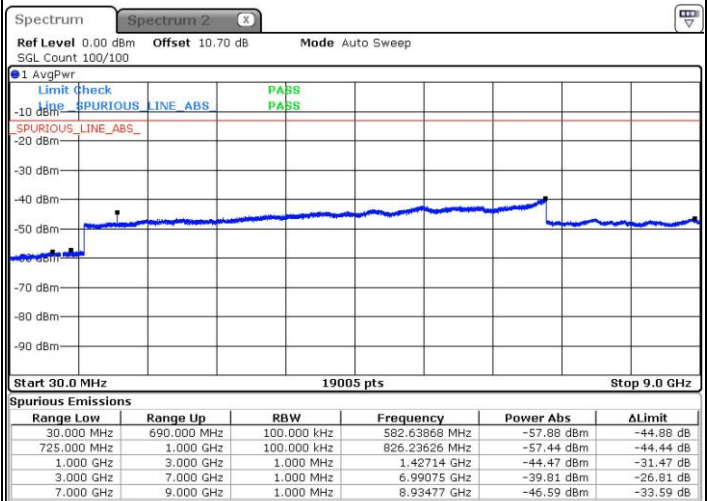
Date: 3.NOV.2016 22:22:22

Highest Channel / QPSK



Date: 3.NOV.2016 22:29:42

Highest Channel / 16QAM

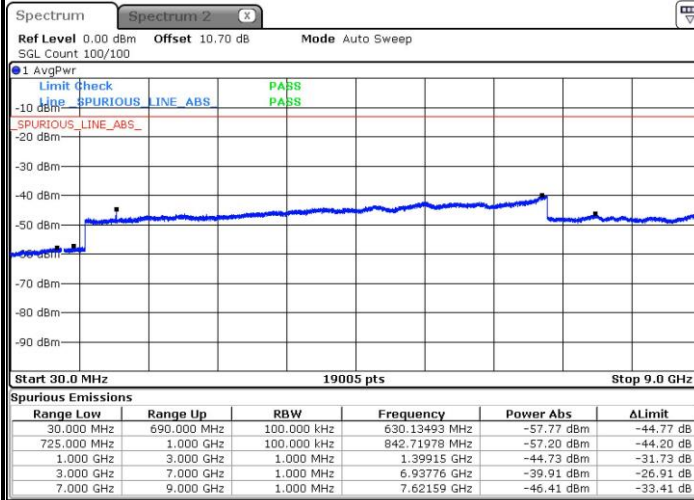


Date: 3.NOV.2016 22:30:39



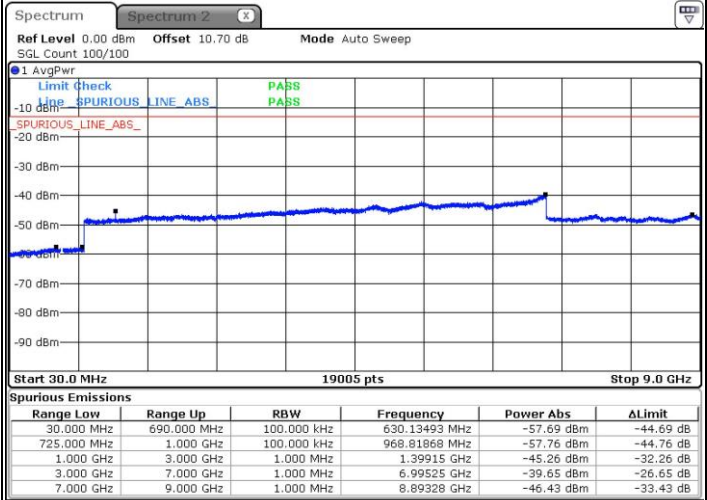
LTE Band 12 / 5MHz

Lowest Channel / QPSK



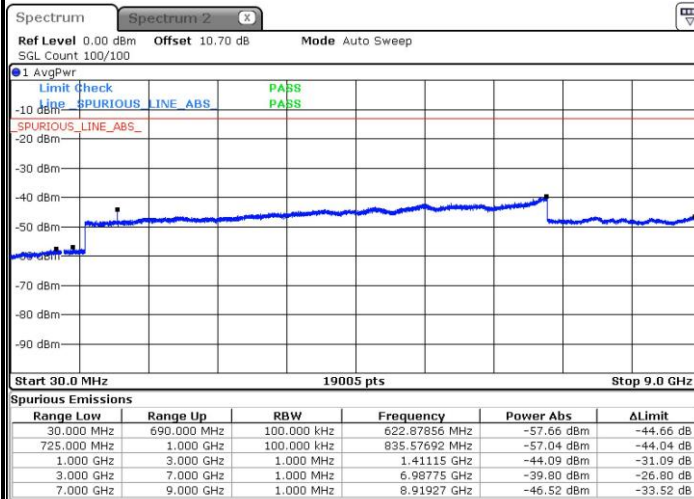
Date: 3.NOV.2016 22:37:02

Lowest Channel / 16QAM



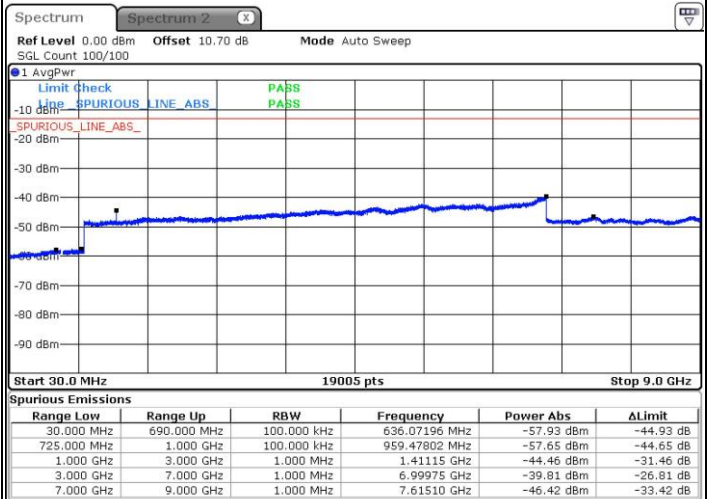
Date: 3.NOV.2016 22:38:00

Middle Channel / QPSK



Date: 3.NOV.2016 22:40:42

Middle Channel / 16QAM

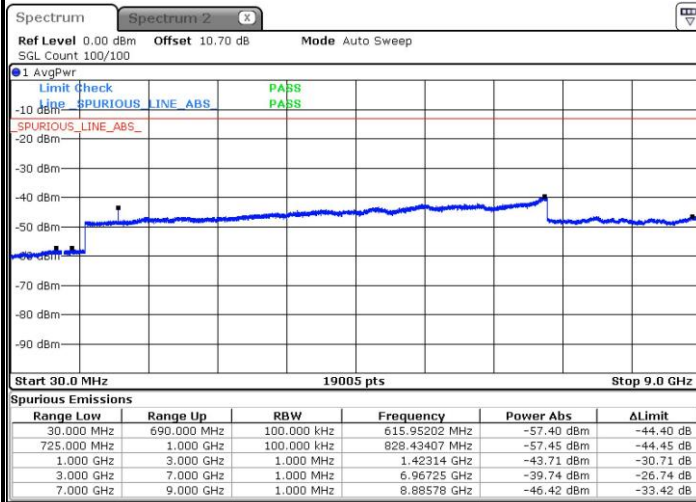


Date: 3.NOV.2016 22:39:45



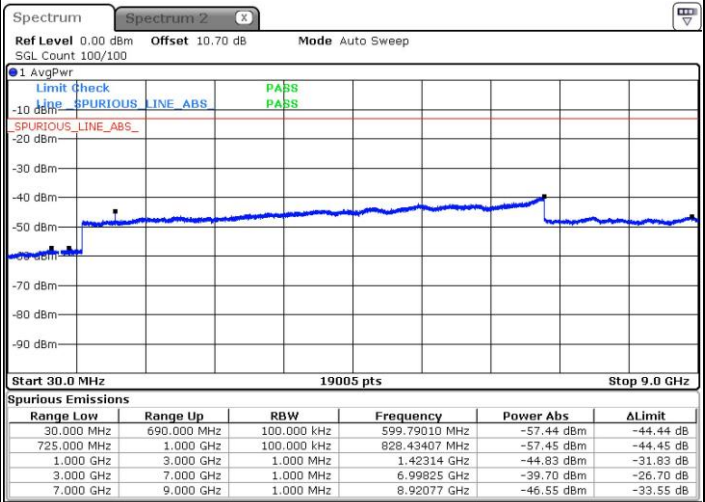
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 3.NOV.2016 22:48:02

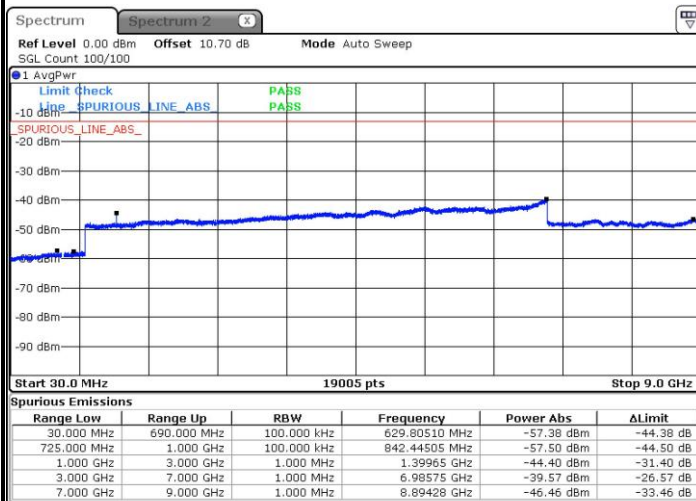
Highest Channel / 16QAM



Date: 3.NOV.2016 22:47:05

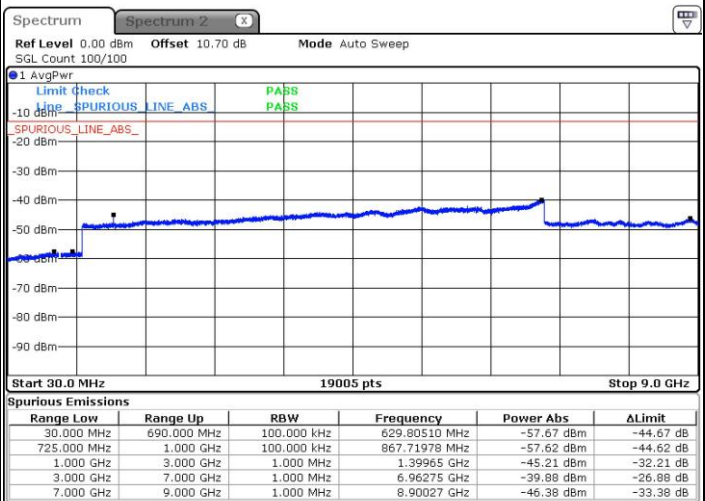
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 3.NOV.2016 22:54:25

Lowest Channel / 16QAM

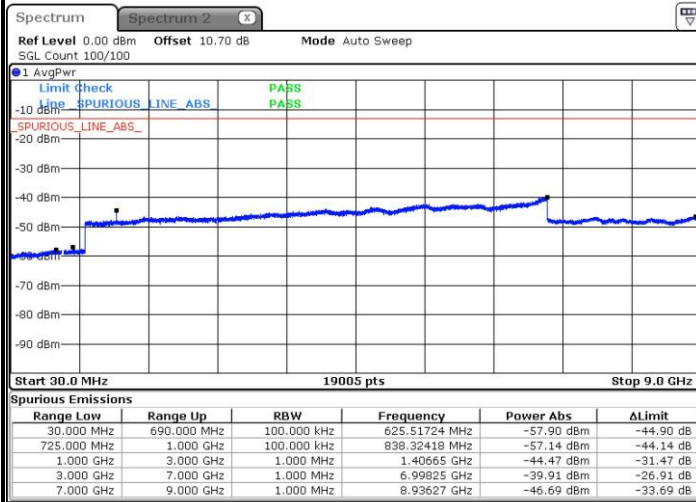


Date: 3.NOV.2016 22:55:22



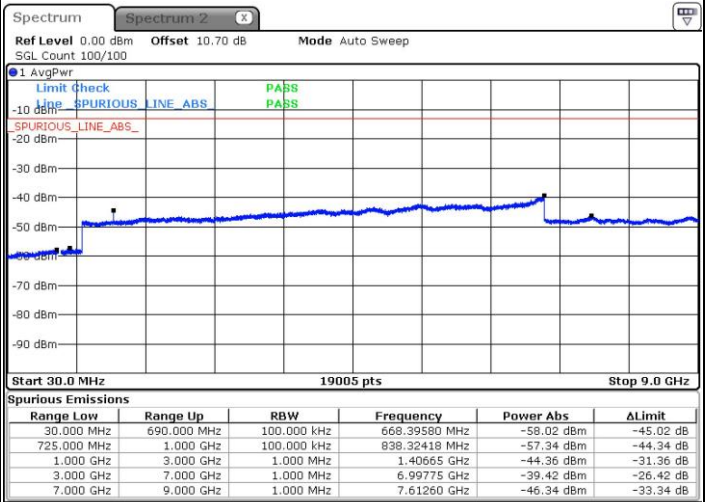
LTE Band 12 / 10MHz

Middle Channel / QPSK



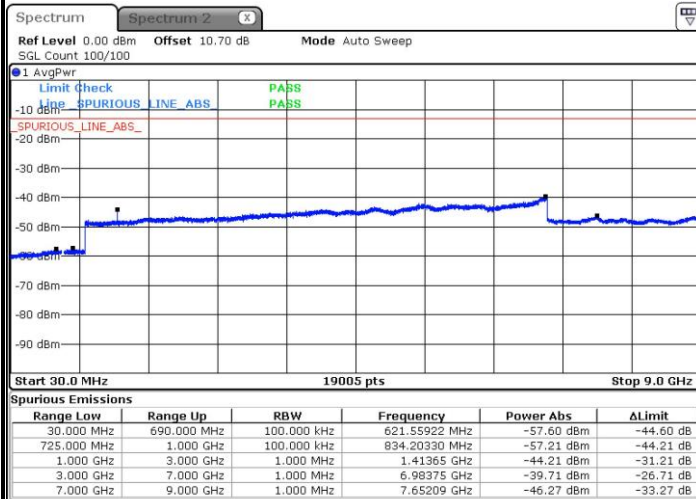
Date: 3.NOV.2016 22:58:04

Middle Channel / 16QAM



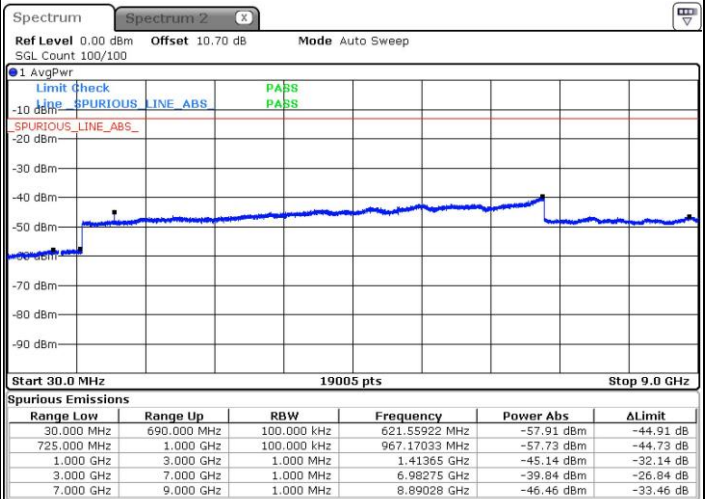
Date: 3.NOV.2016 22:57:07

Highest Channel / QPSK



Date: 3.NOV.2016 23:04:27

Highest Channel / 16QAM



Date: 3.NOV.2016 23:05:25

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0014	PASS
40	Normal Voltage	0.0230	
30	Normal Voltage	0.0256	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0240	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0023	
-20	Normal Voltage	0.0028	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0033	

Note:

1. Normal Voltage =3.8 V. ; 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	-	-	-	-	PASS
Middle CH	3.19	5.01	4.12	5.91	
Highest CH	-	-	-	-	

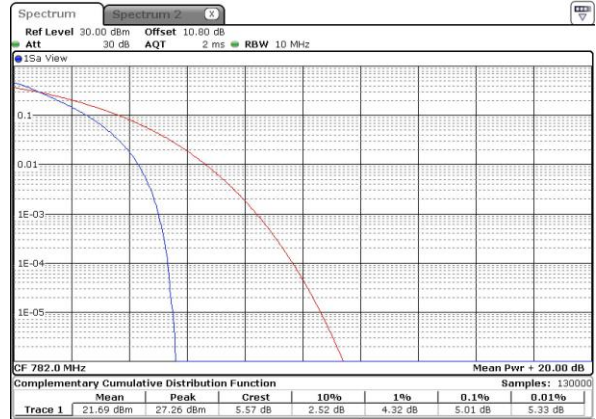


LTE Band 13 / 10MHz / QPSK

Middle Channel/ 1RB

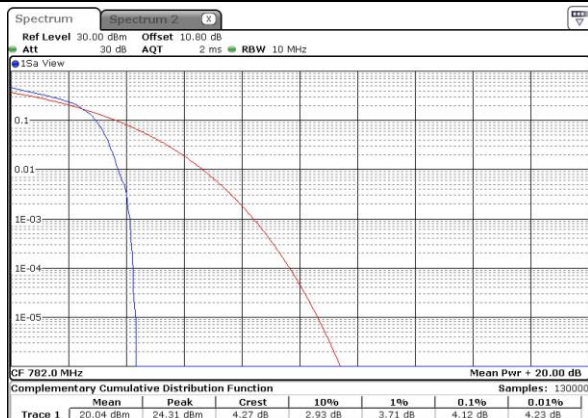


Middle Channel / Full RB

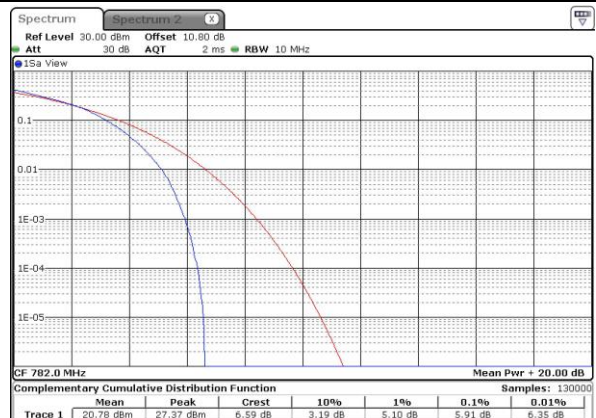


LTE Band 13 / 10MHz / 16QAM

Middle Channel/ 1RB



Middle Channel / Full RB





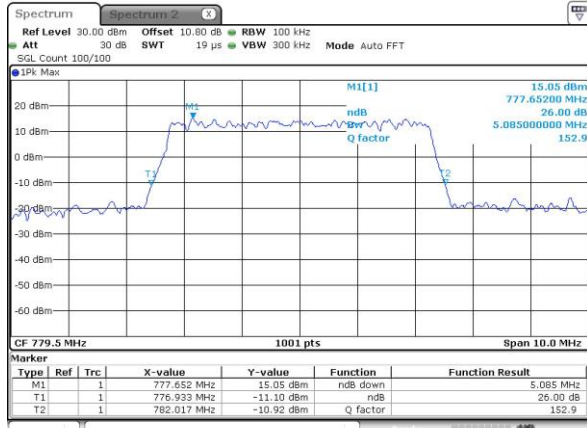
26dB Bandwidth

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	-	-	-	-	5.09	4.94	-	-	-	-	-	-
Middle CH	-	-	-	-	4.92	4.99	9.71	-	-	-	-	-
Highest CH	-	-	-	-	4.96	4.99	-	-	-	-	-	-



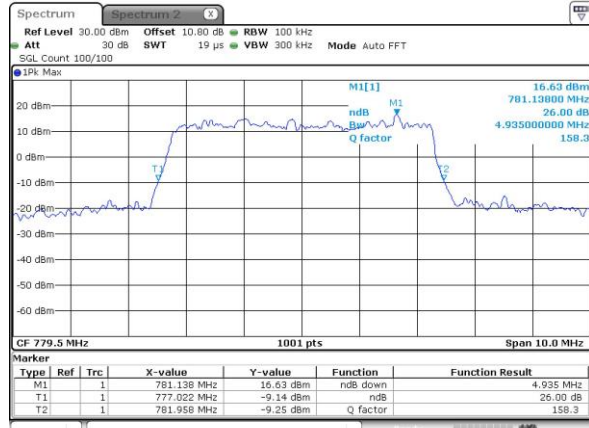
LTE Band 13

Lowest Channel / 5MHz / QPSK



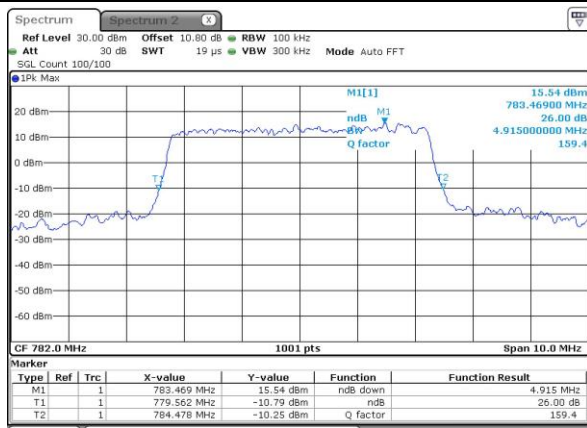
Date: 6,NOV,2016 19:03:17

Lowest Channel / 5MHz / 16QAM



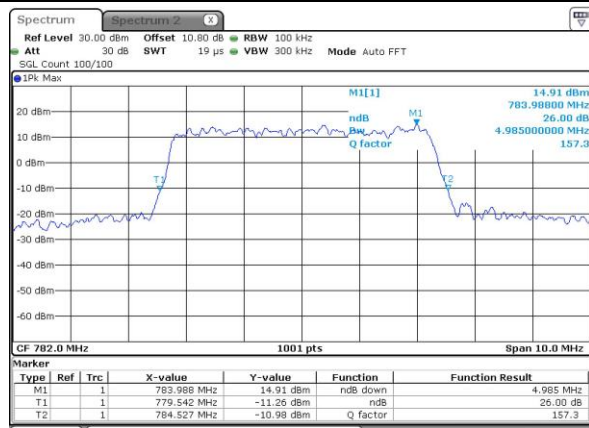
Date: 6,NOV,2016 19:03:25

Middle Channel / 5MHz / QPSK



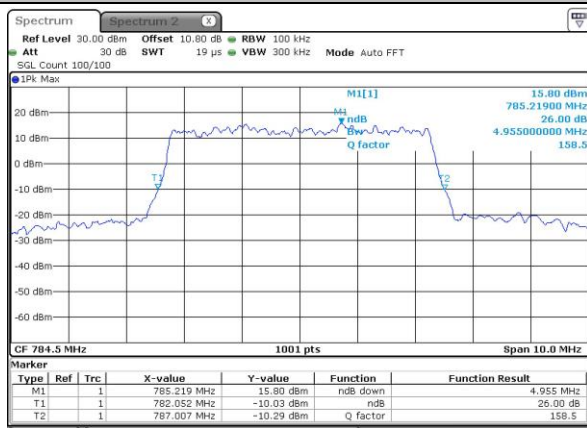
Date: 6,NOV,2016 19:14:13

Middle Channel / 5MHz / 16QAM



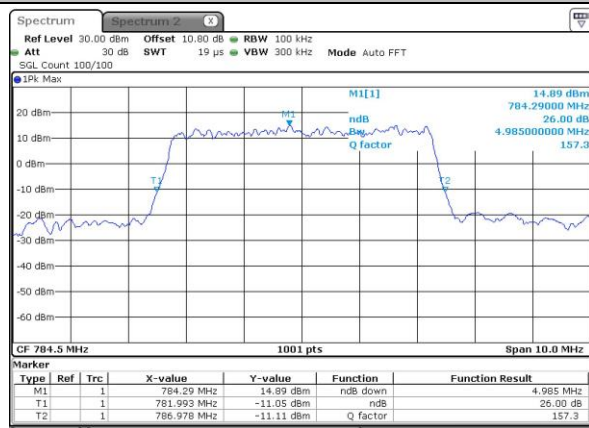
Date: 6,NOV,2016 19:14:25

Highest Channel / 5MHz / QPSK



Date: 6,NOV,2016 19:15:35

Highest Channel / 5MHz / 16QAM

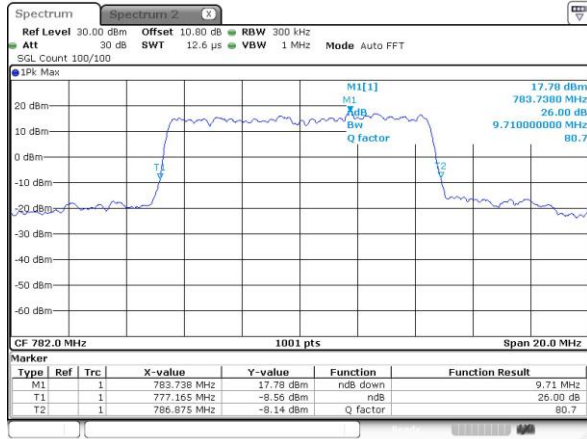


Date: 6,NOV,2016 19:15:23



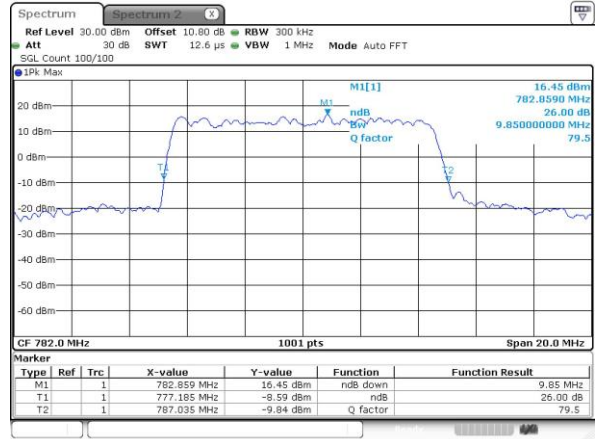
LTE Band 13

Middle Channel / 10MHz / QPSK



Date: 6.NOV.2016 19:24:53

Middle Channel / 10MHz / 16QAM



Date: 6.NOV.2016 19:24:42



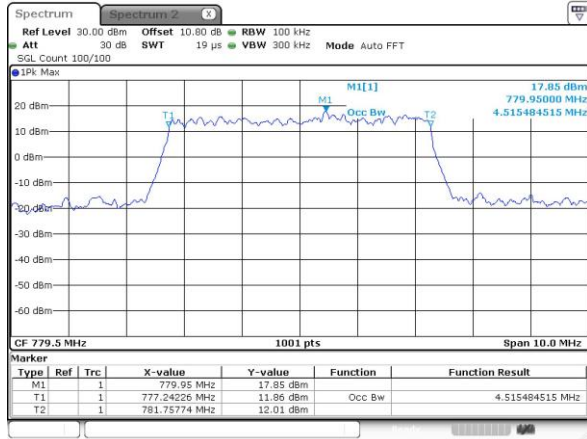
Occupied Bandwidth

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	-	-	-	-	4.52	4.53	-	-	-	-	-	-
Middle CH	-	-	-	-	4.49	4.5	9.03	9.05	-	-	-	-
Highest CH	-	-	-	-	4.49	4.5	-	-	-	-	-	-

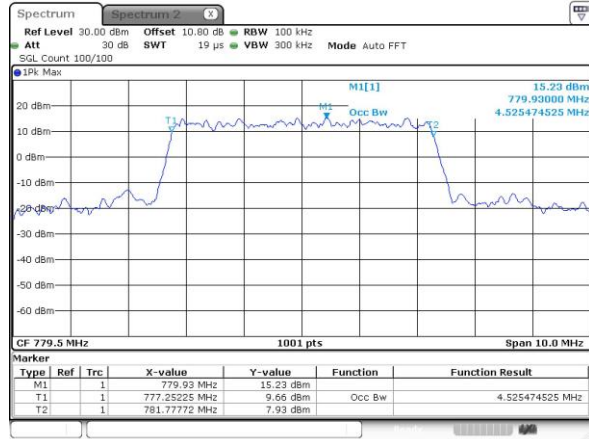


LTE Band 13

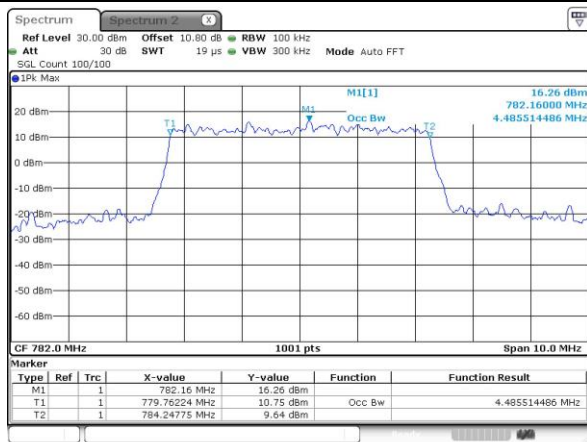
Lowest Channel / 5MHz / QPSK



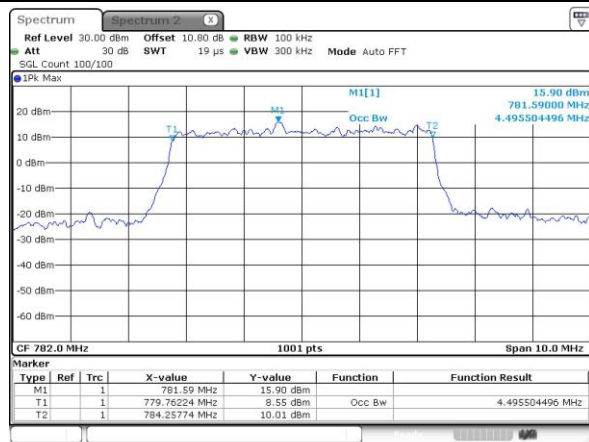
Lowest Channel / 5MHz / 16QAM



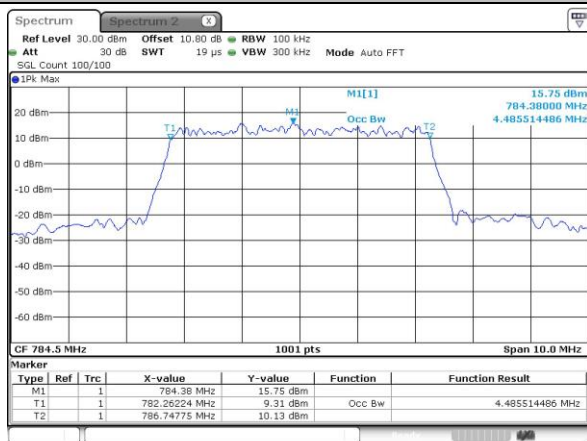
Middle Channel / 5MHz / QPSK



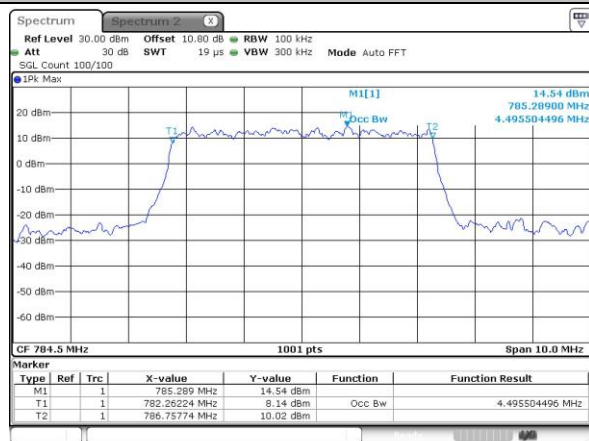
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



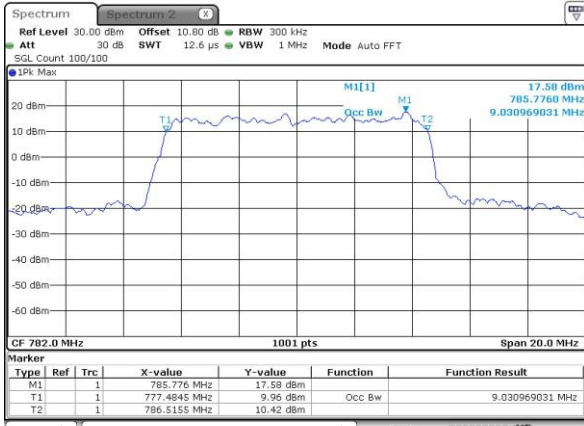
Highest Channel / 5MHz / 16QAM





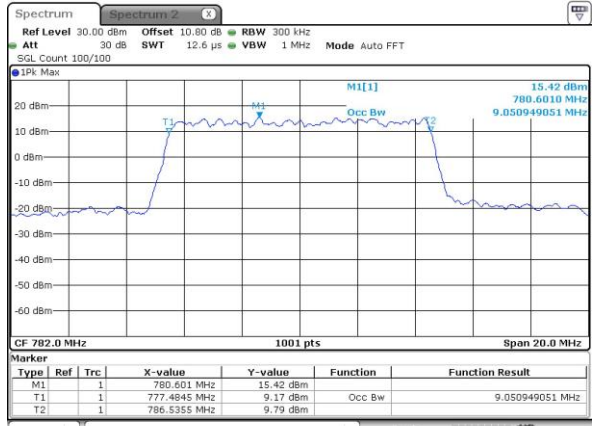
LTE Band 13

Middle Channel / 10MHz / QPSK

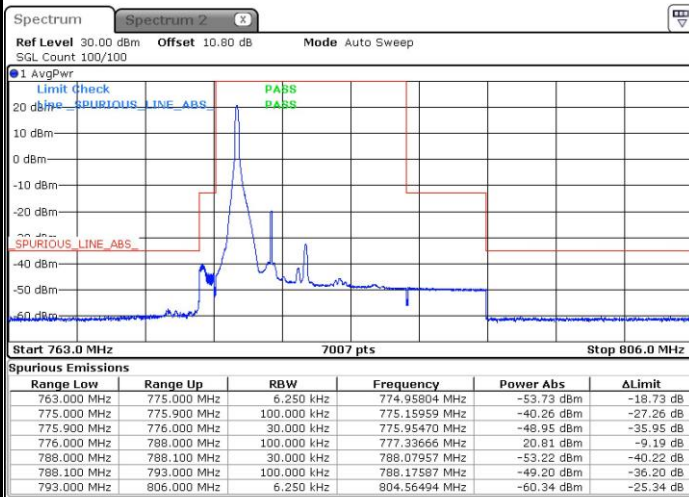
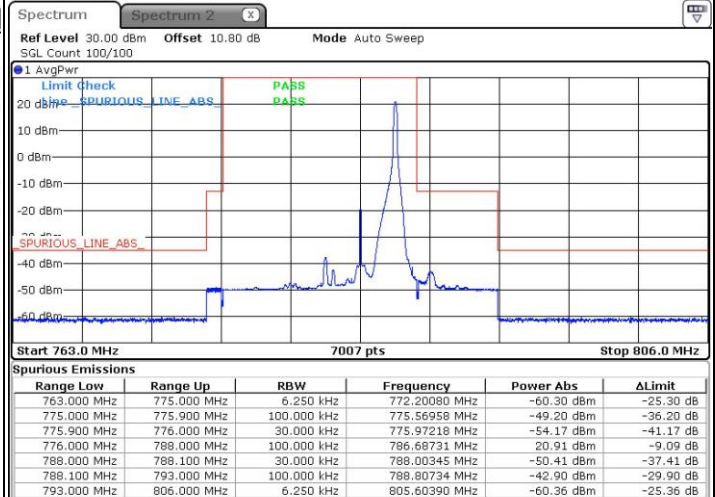
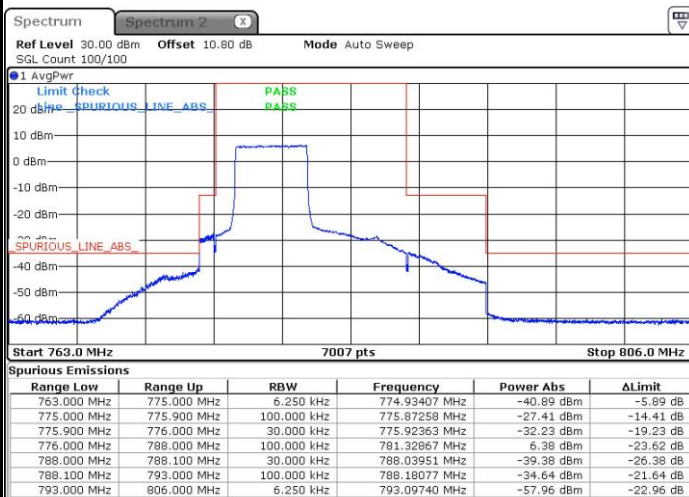


Date: 6.NOV.2016 19:24:18

Middle Channel / 10MHz / 16QAM



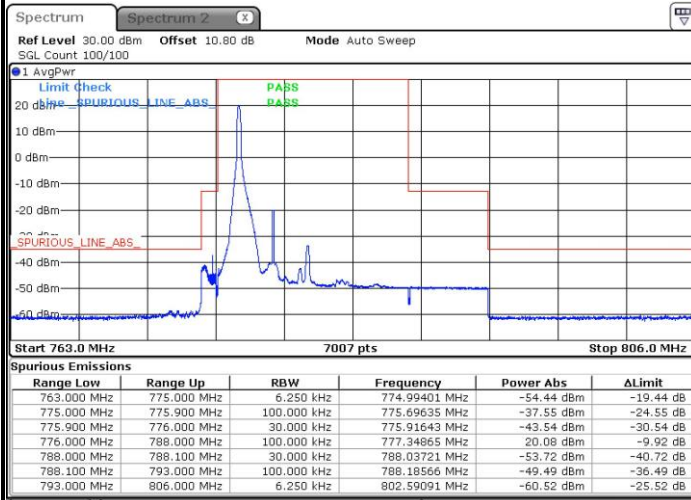
Date: 6.NOV.2016 19:24:30

**Conducted Band Edge****LTE Band 13 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

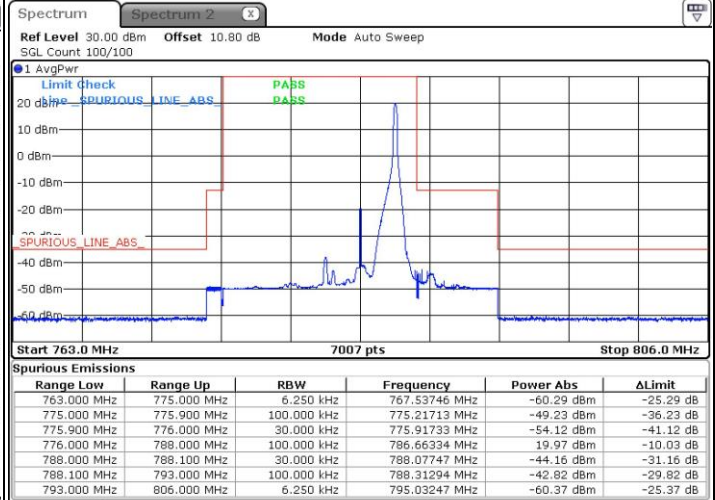


LTE Band 13 / 5MHz / 16QAM

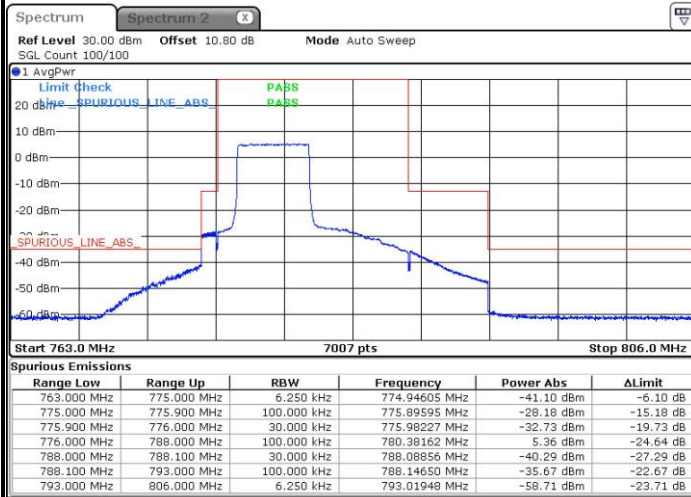
Lowest Band Edge /1 RB



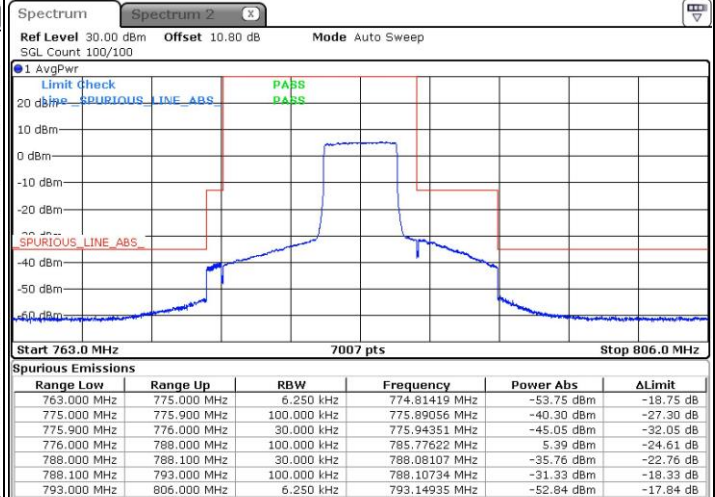
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



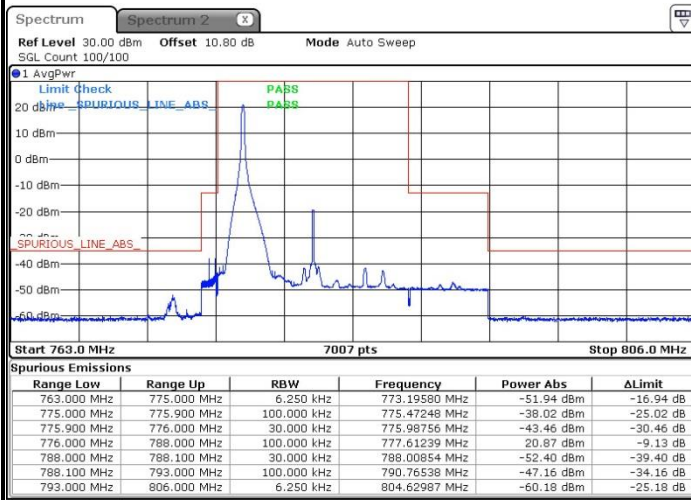
Highest Band Edge / Full RB





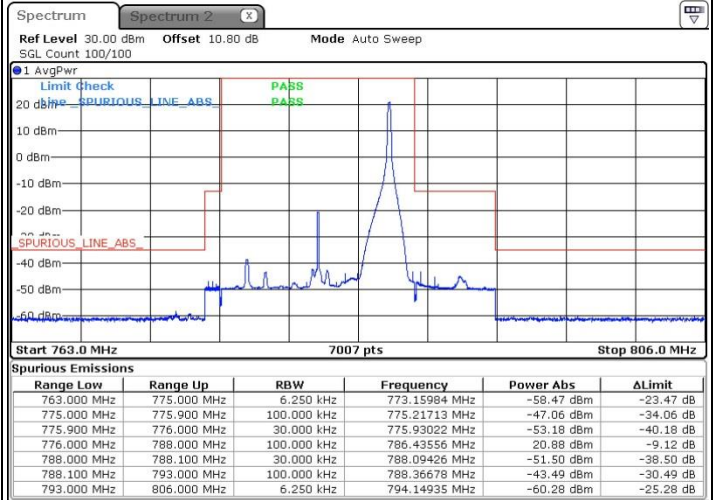
LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB



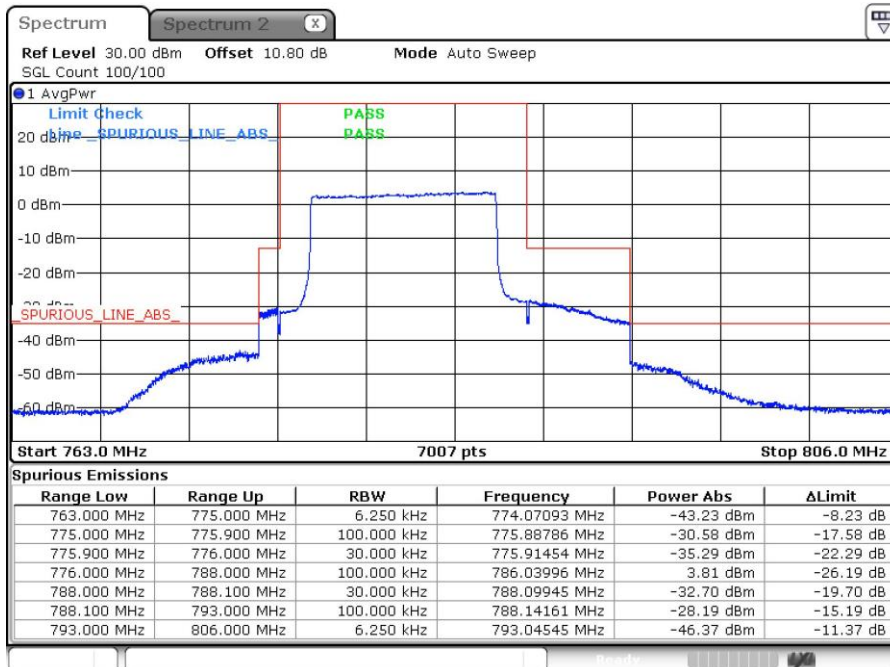
Date: 6.NOV.2016 19:31:32

Highest Band Edge / 1 RB



Date: 6.NOV.2016 19:33:12

Band Edge / Full RB

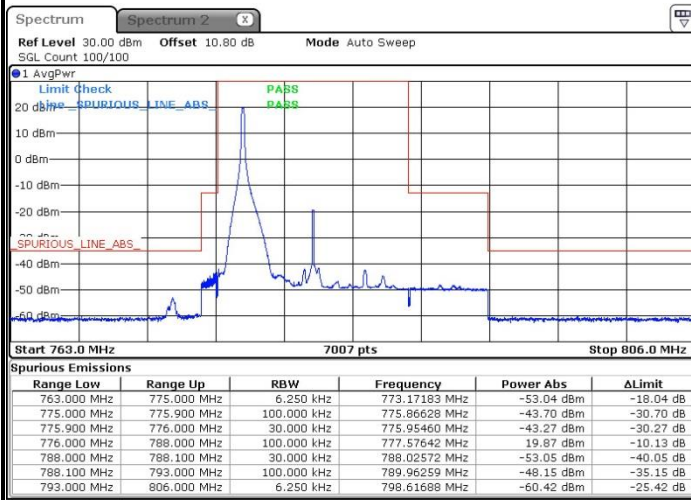


Date: 6.NOV.2016 19:26:33

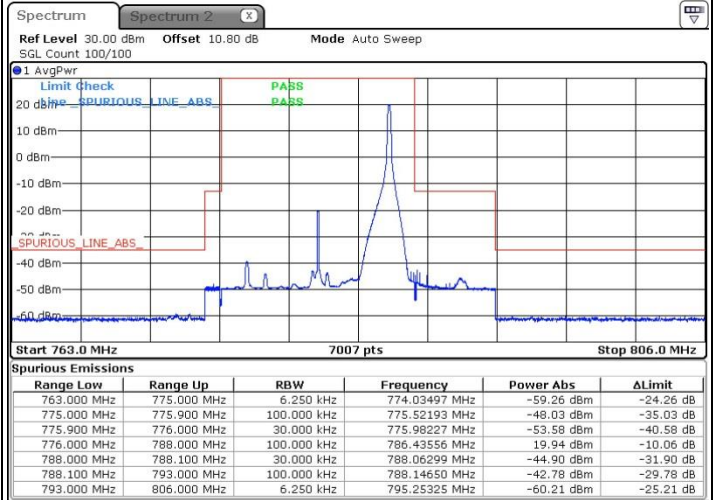


LTE Band 13 / 10MHz / 16QAM

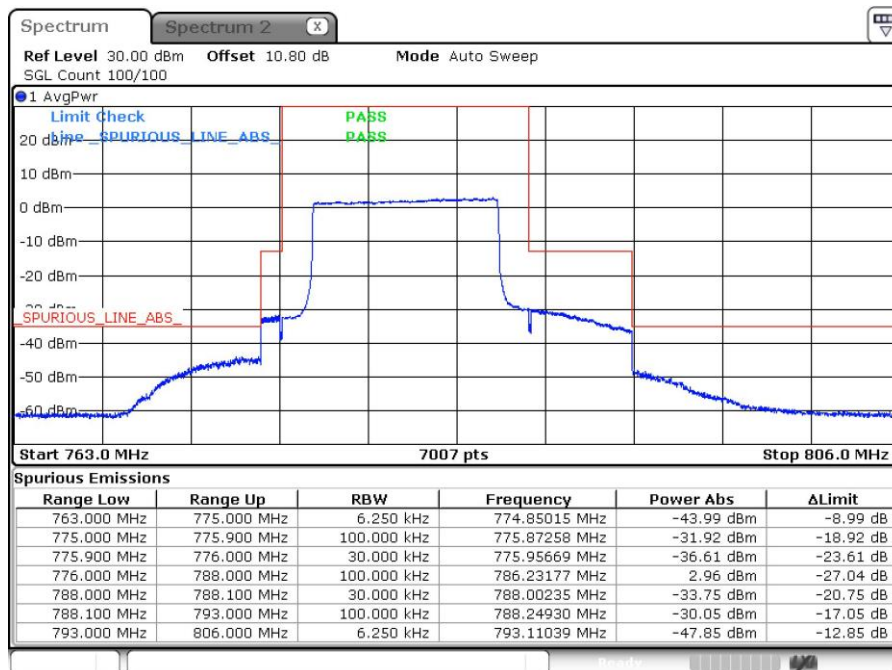
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



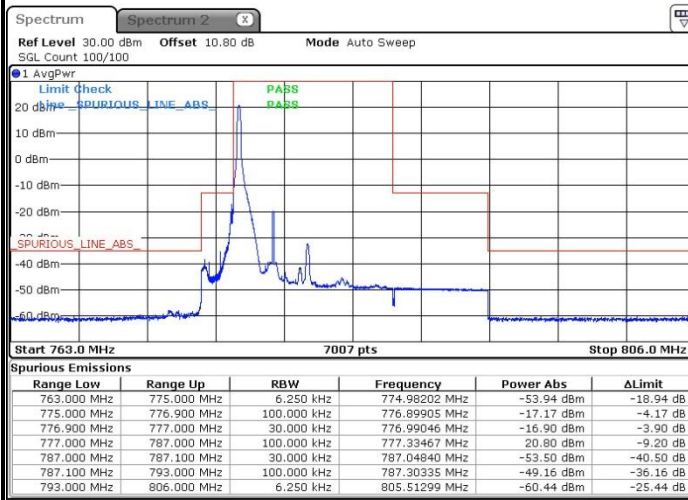
Band Edge / Full RB





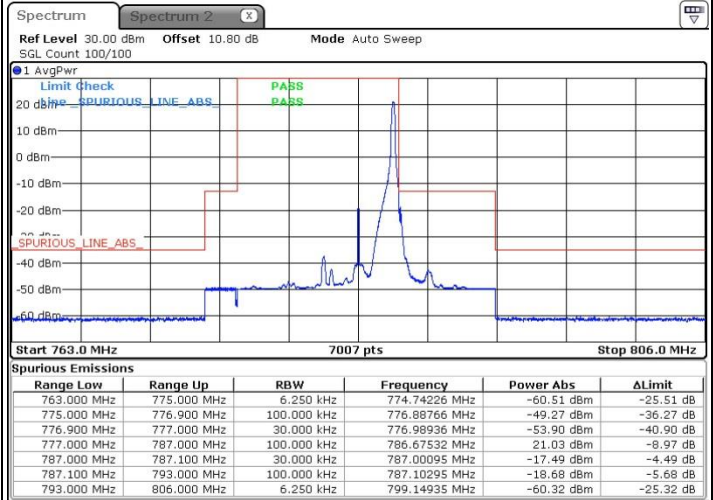
IC LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB



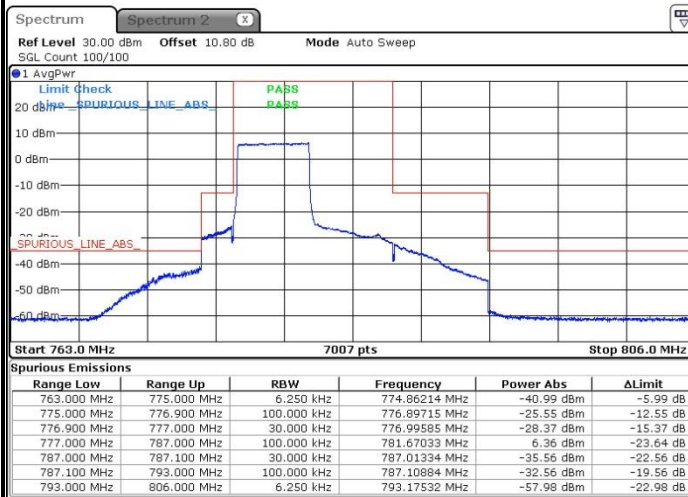
Date: 6.NOV.2016 20:07:57

Highest Band Edge / 1 RB



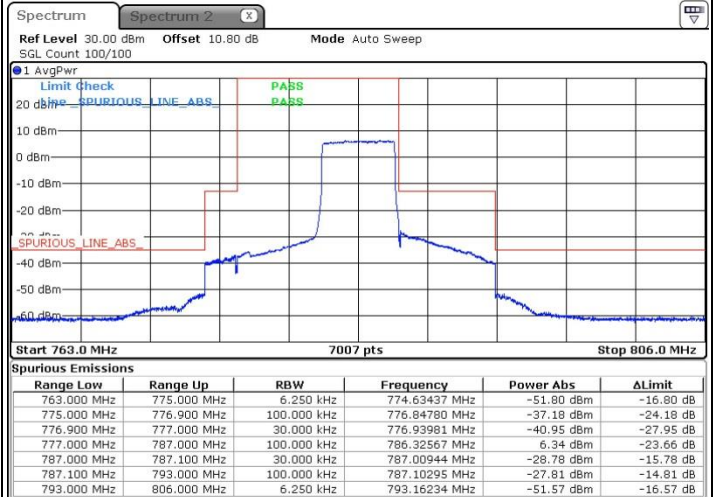
Date: 6.NOV.2016 20:14:36

Lowest Band Edge / Full RB



Date: 6.NOV.2016 19:47:41

Highest Band Edge / Full RB

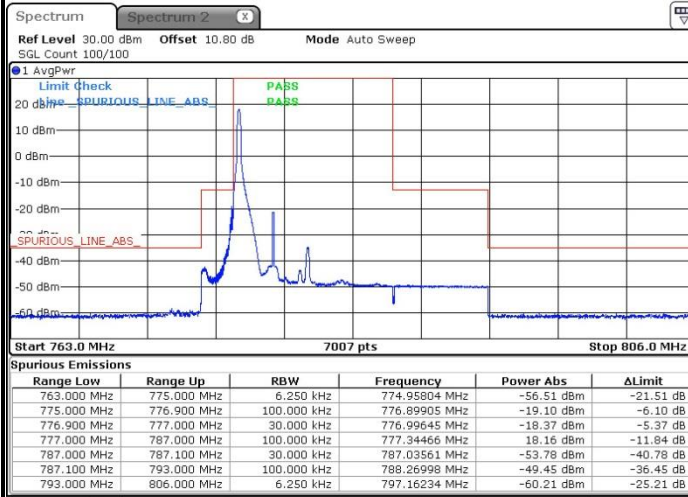


Date: 6.NOV.2016 20:09:37

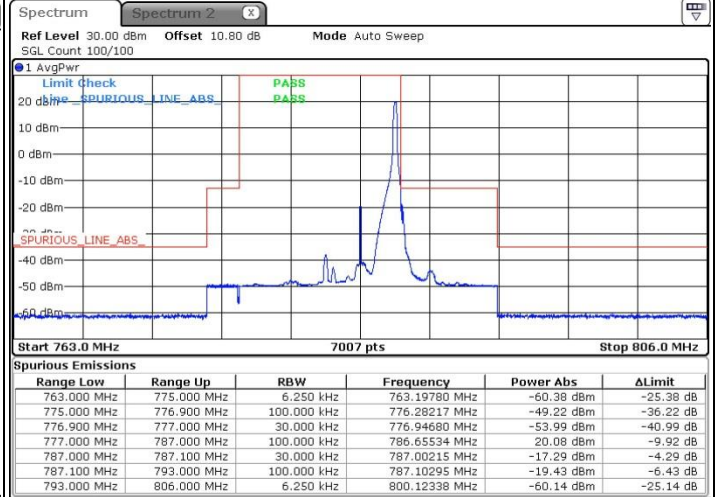


IC LTE Band 13 / 5MHz / 16QAM

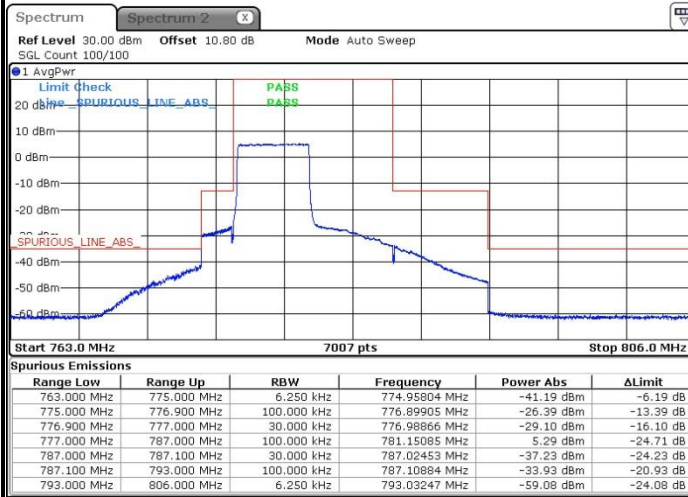
Lowest Band Edge /1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

