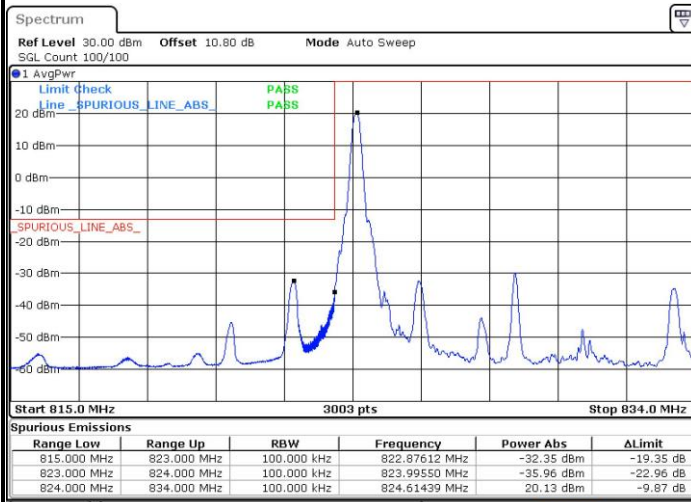


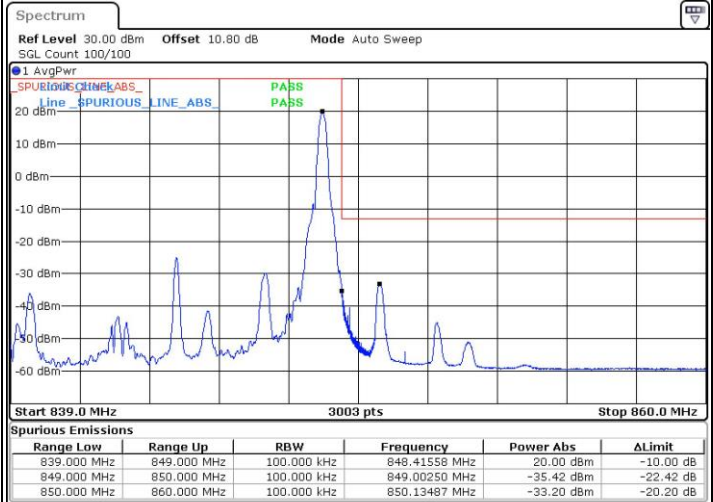


LTE Band 5 / 10MHz / QPSK

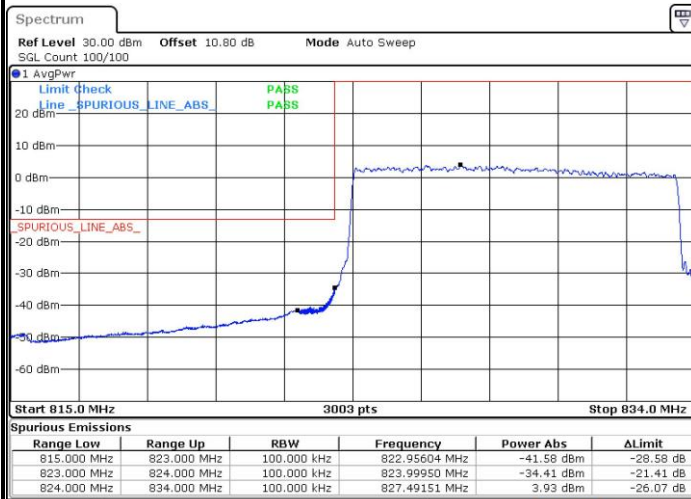
Lowest Band Edge / 1 RB



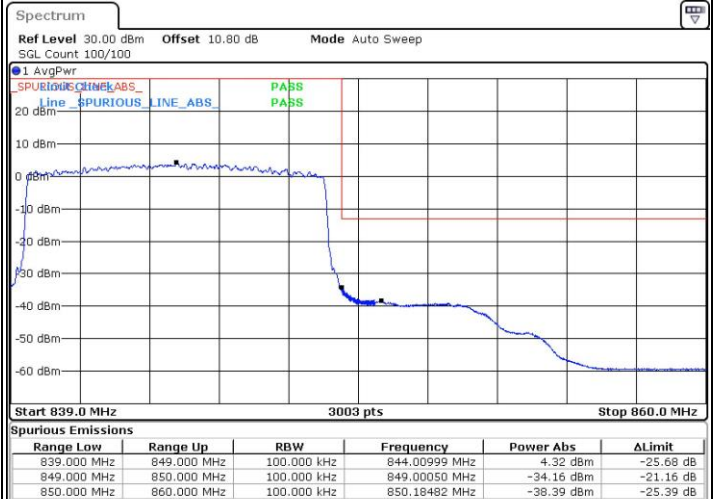
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



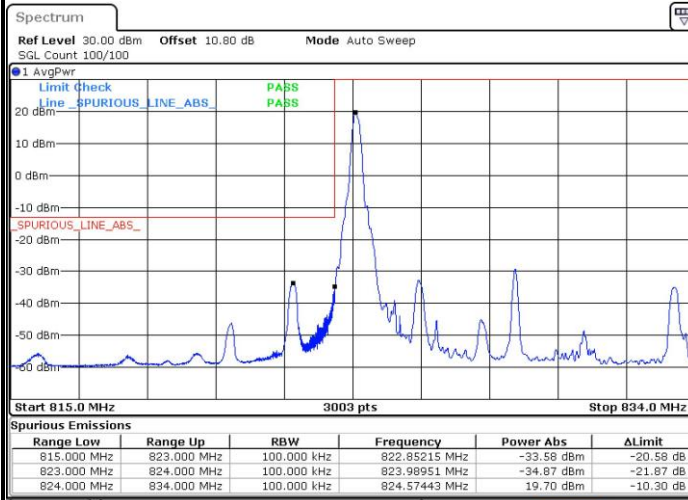
Highest Band Edge / Full RB



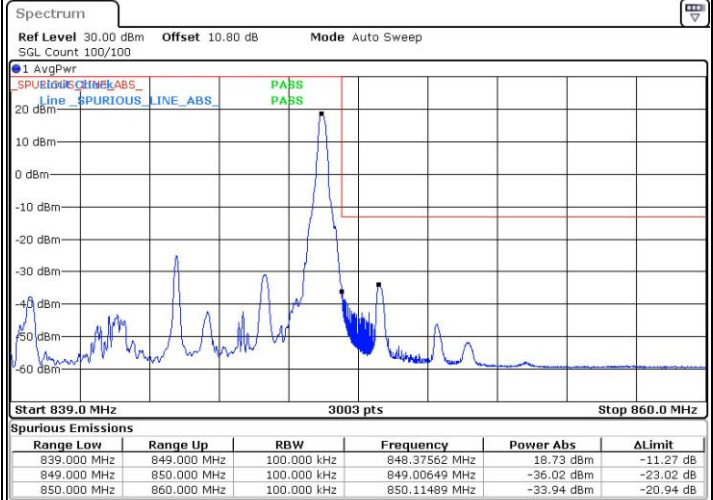


LTE Band 5 / 10MHz / 16QAM

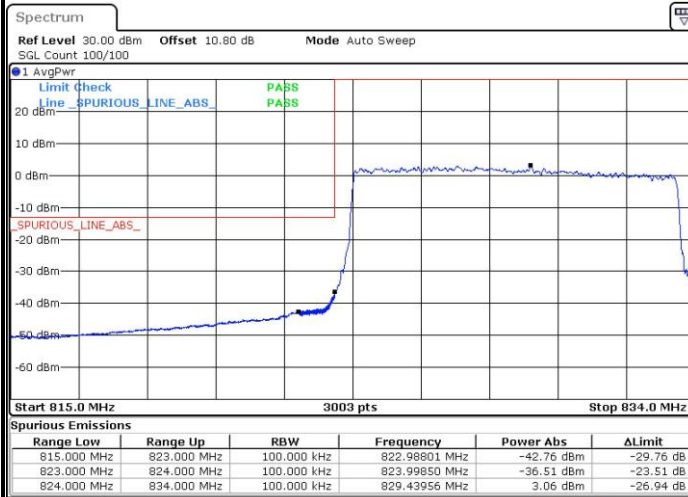
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

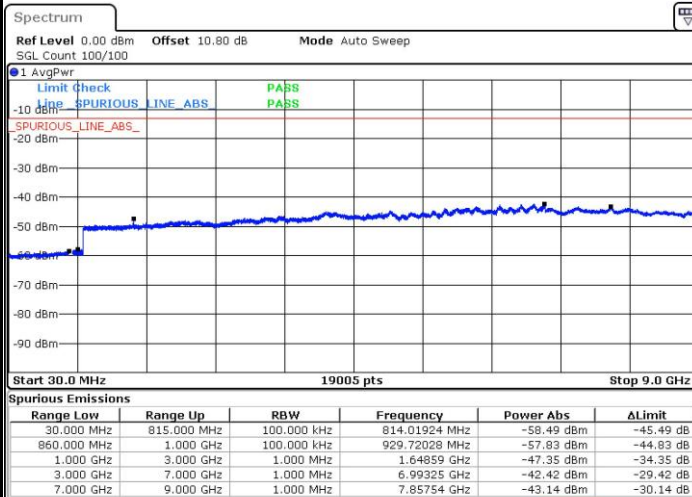




Conducted Spurious Emission

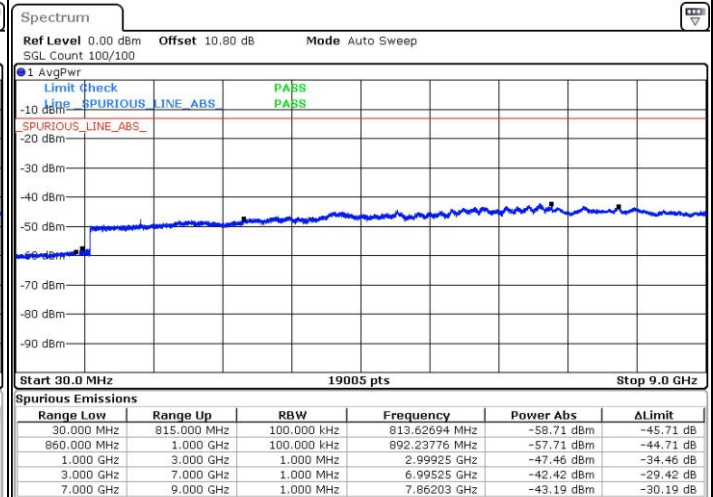
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK



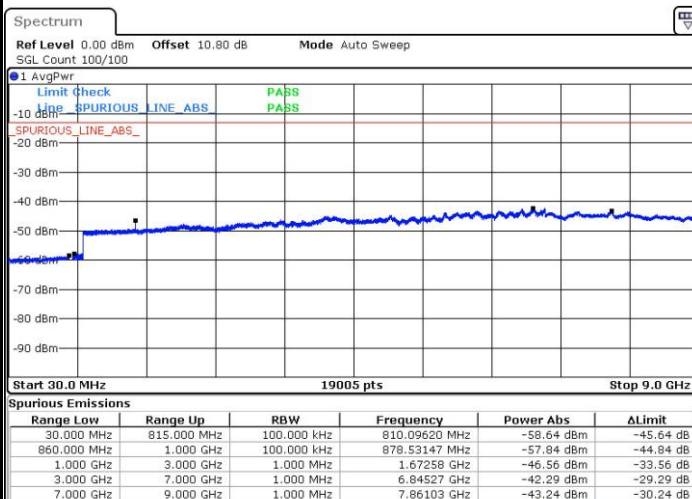
Date: 2 MAY 2017 16:57:20

Lowest Channel / 16QAM



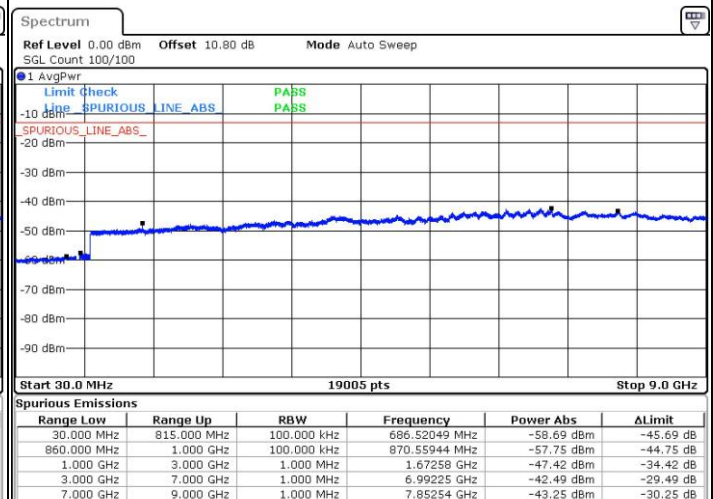
Date: 2 MAY 2017 16:58:14

Middle Channel / QPSK



Date: 2 MAY 2017 16:59:49

Middle Channel / 16QAM

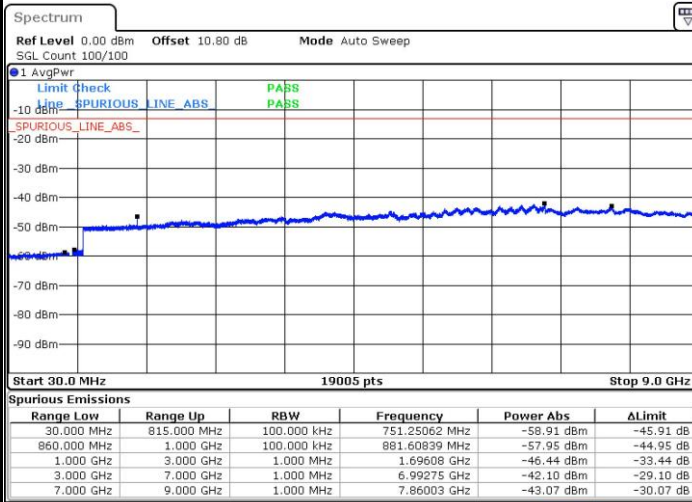


Date: 2 MAY 2017 17:00:44



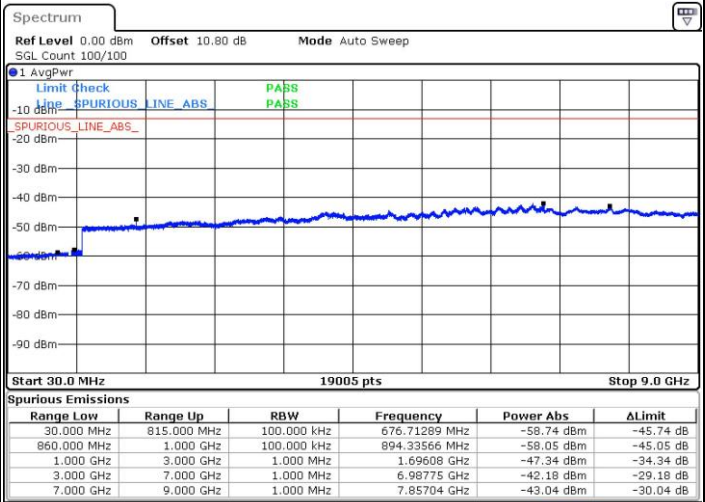
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 2 MAY 2017 17:08:55

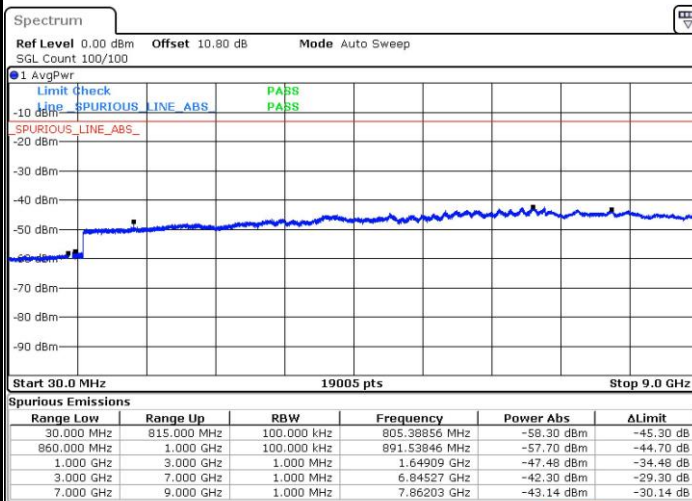
Highest Channel / 16QAM



Date: 2 MAY 2017 17:09:49

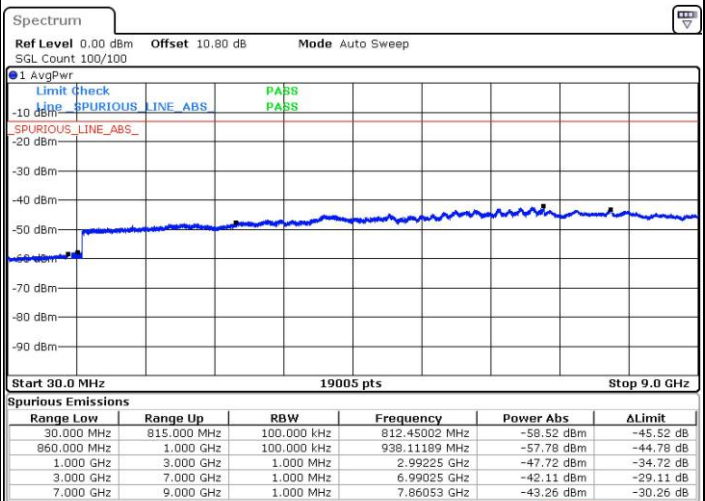
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 2 MAY 2017 15:41:27

Lowest Channel / 16QAM

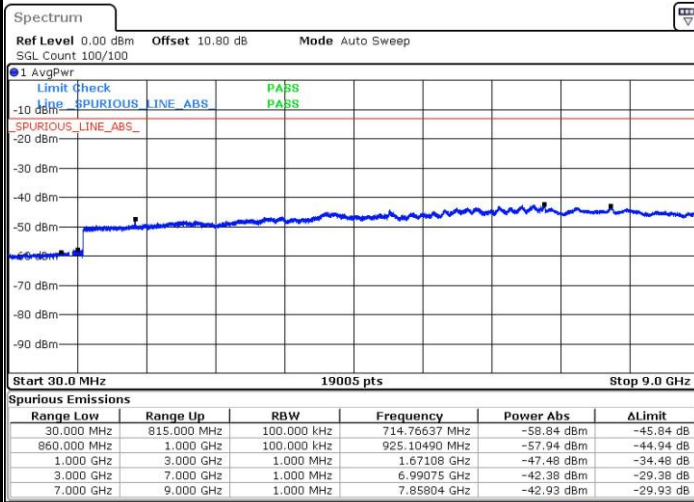


Date: 2 MAY 2017 15:42:21



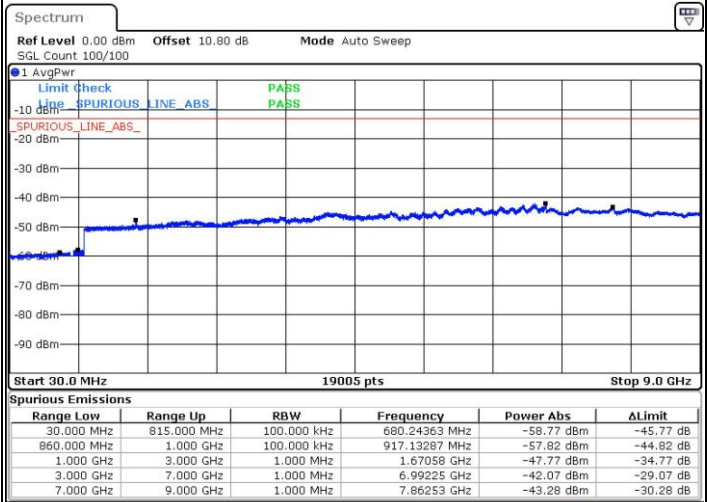
LTE Band 5 / 3MHz

Middle Channel / QPSK



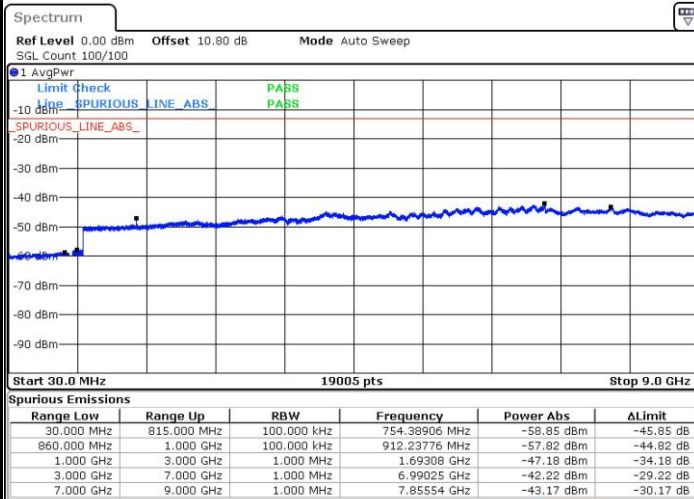
Date: 2 MAY 2017 15:43:57

Middle Channel / 16QAM



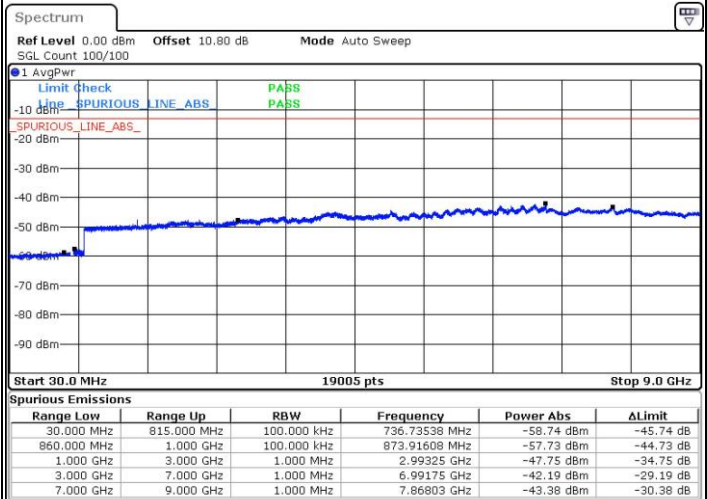
Date: 2 MAY 2017 15:44:52

Highest Channel / QPSK



Date: 2 MAY 2017 15:53:20

Highest Channel / 16QAM

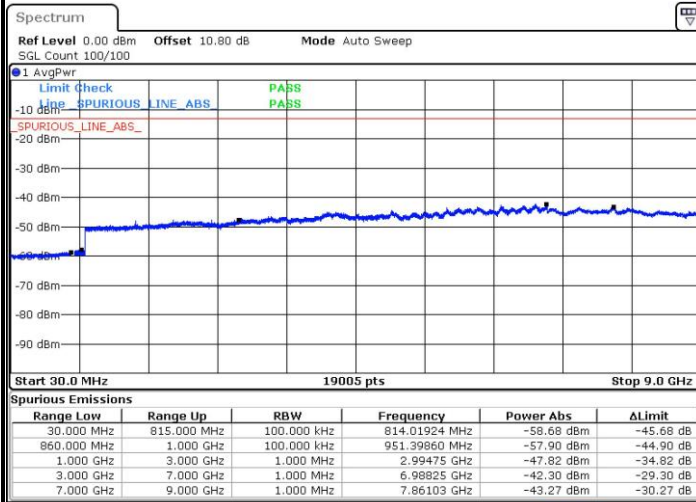


Date: 2 MAY 2017 15:54:14



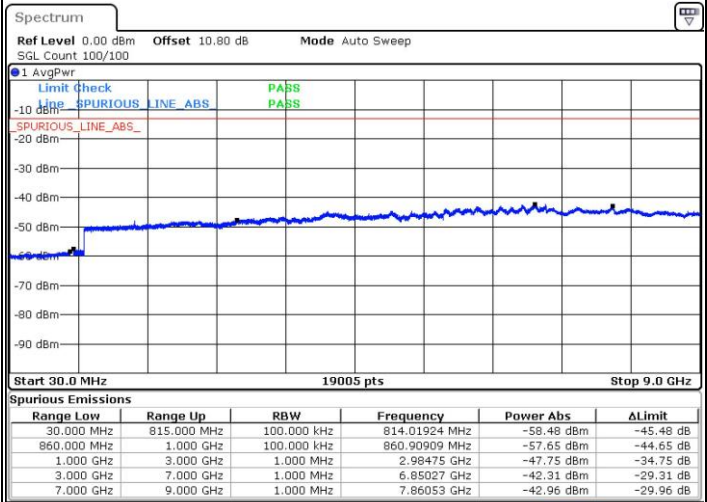
LTE Band 5 / 5MHz

Lowest Channel / QPSK



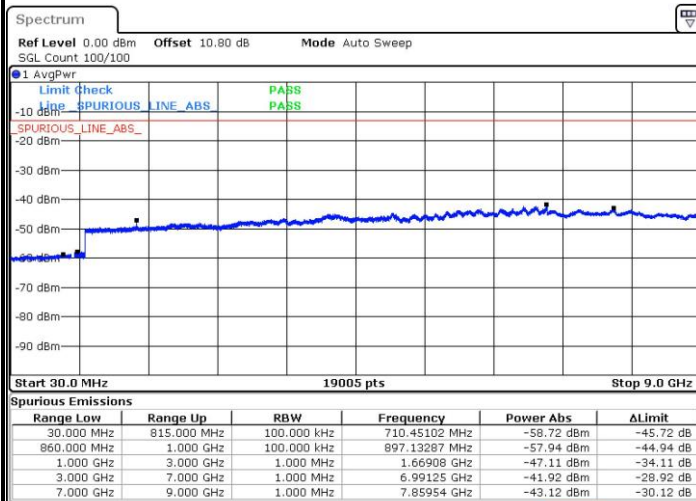
Date: 2 MAY 2017 16:02:26

Lowest Channel / 16QAM



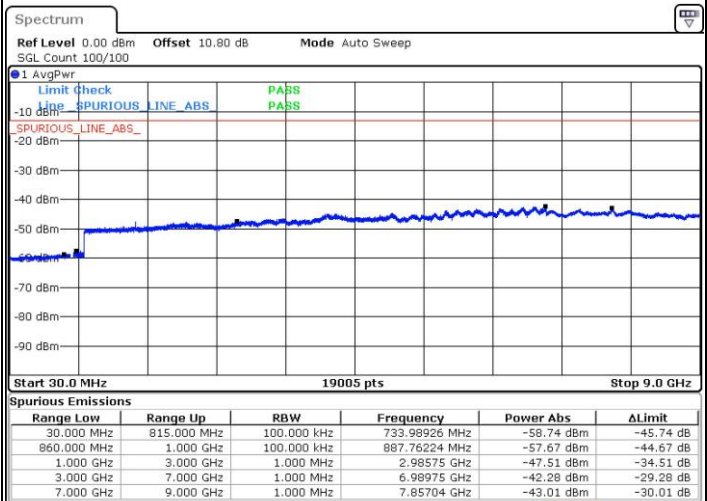
Date: 2 MAY 2017 16:03:20

Middle Channel / QPSK



Date: 2 MAY 2017 16:04:55

Middle Channel / 16QAM

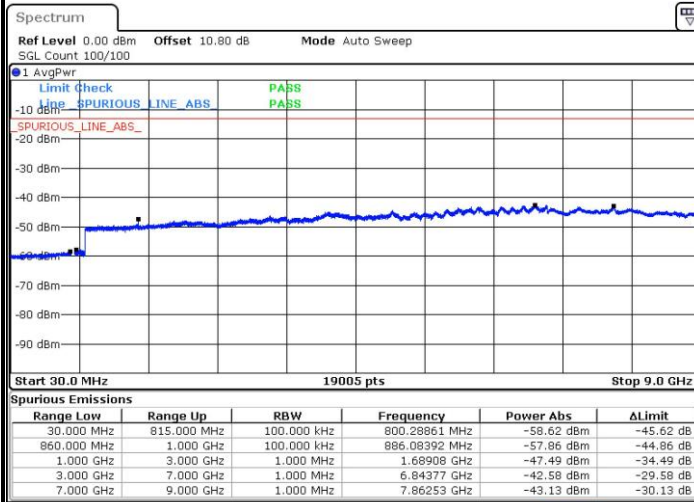


Date: 2 MAY 2017 16:05:49



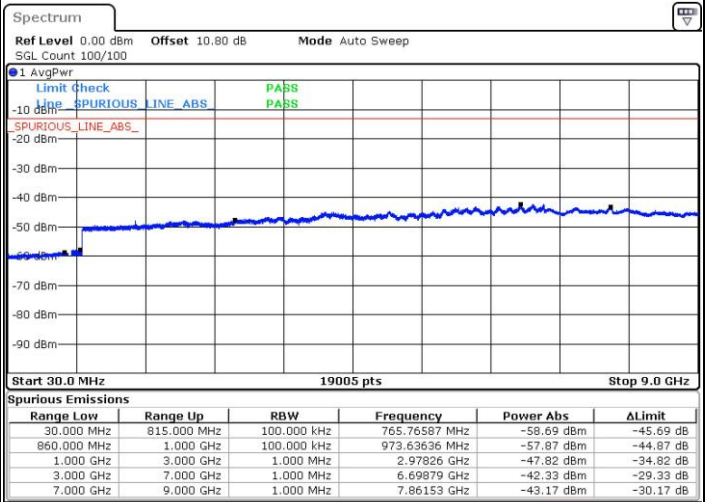
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 2 MAY 2017 16:14:01

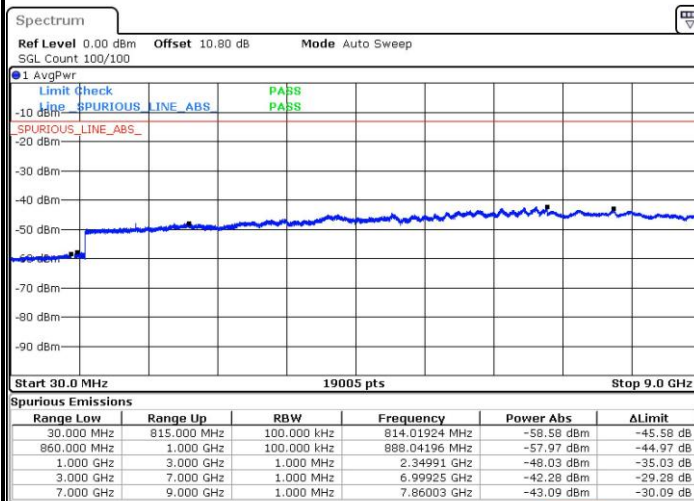
Highest Channel / 16QAM



Date: 2 MAY 2017 16:14:55

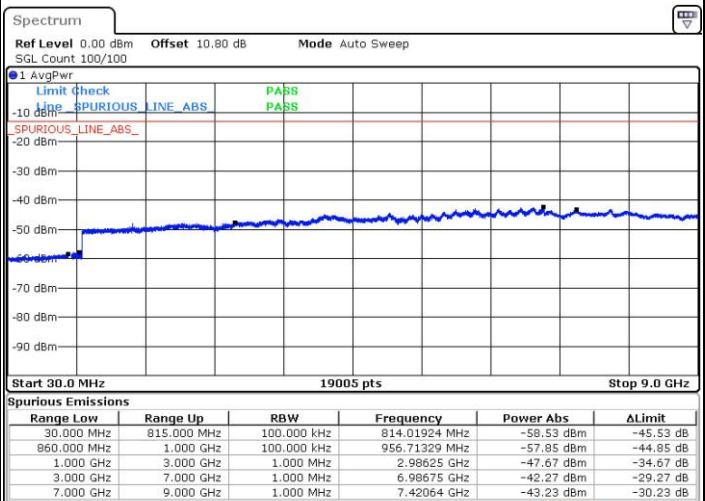
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 2 MAY 2017 16:23:07

Lowest Channel / 16QAM

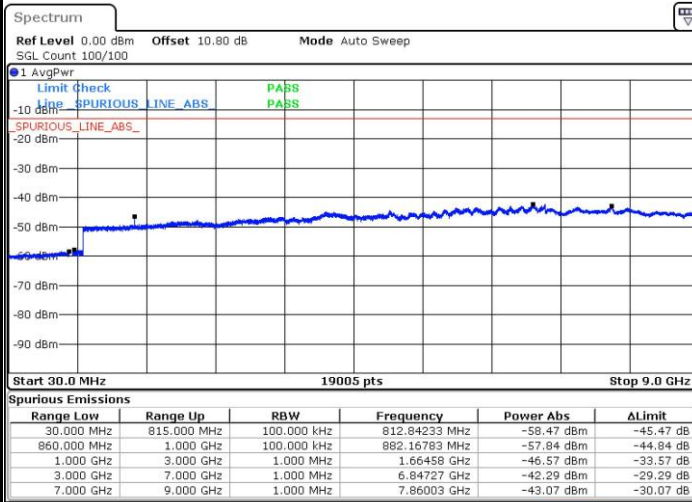


Date: 2 MAY 2017 16:24:01



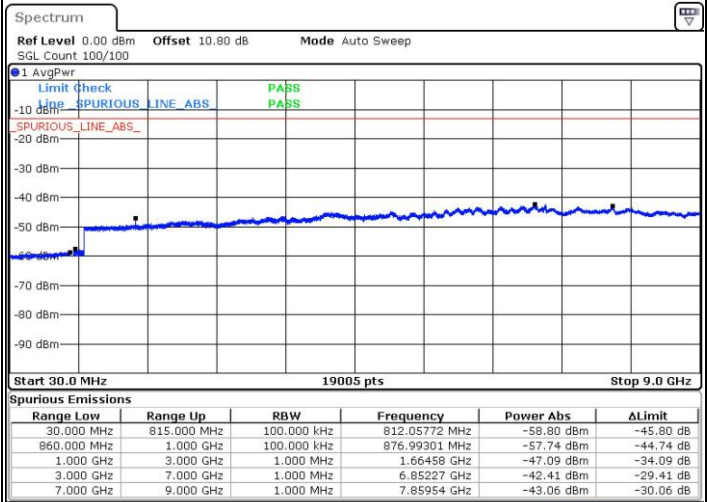
LTE Band 5 / 10MHz

Middle Channel / QPSK



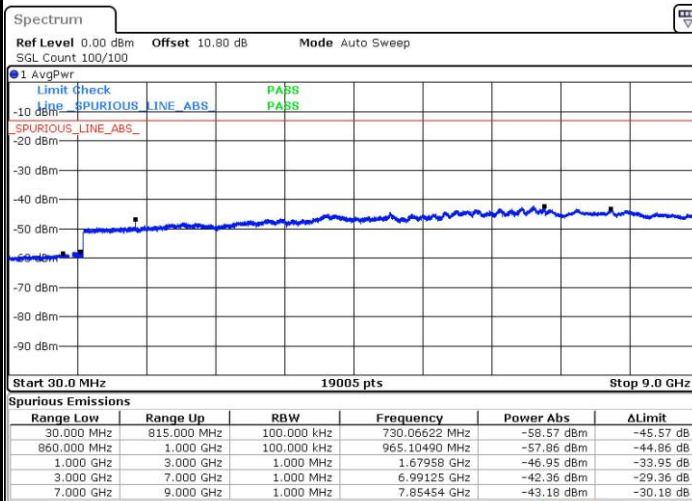
Date: 2 MAY 2017 16:25:36

Middle Channel / 16QAM



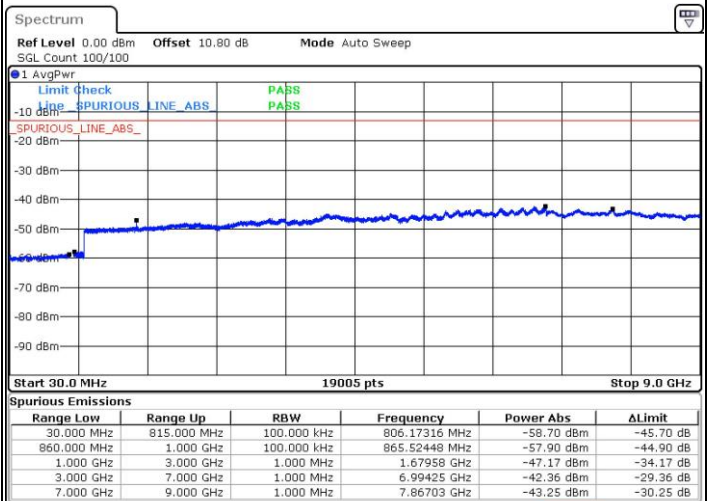
Date: 2 MAY 2017 16:26:30

Highest Channel / QPSK



Date: 2 MAY 2017 16:34:41

Highest Channel / 16QAM



Date: 2 MAY 2017 16:35:35

Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0111	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0100	
0	Normal Voltage	0.0000	
-10	Normal Voltage	0.0114	
-20	Normal Voltage	0.0110	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0000	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage =4.0 V. ; Battery End Point (BEP) =3.7 V. ; Maximum Voltage =4.0 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



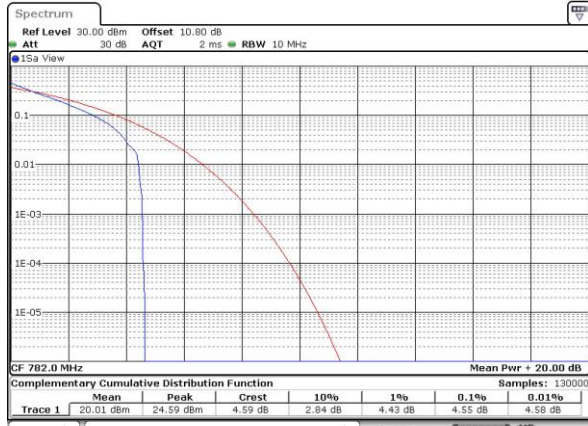
LTE Band 13

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	4.55	4.96	5.54	5.86	
Highest CH	-	-	-	-	

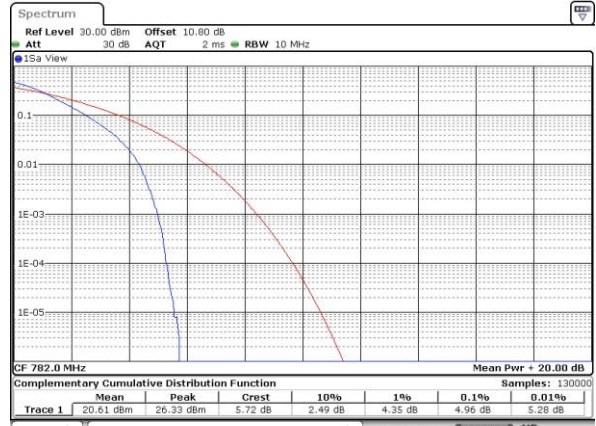
LTE Band 13 / 10MHz / QPSK

Middle Channel/ 1RB



Date: 2 MAY 2017 15:31:15

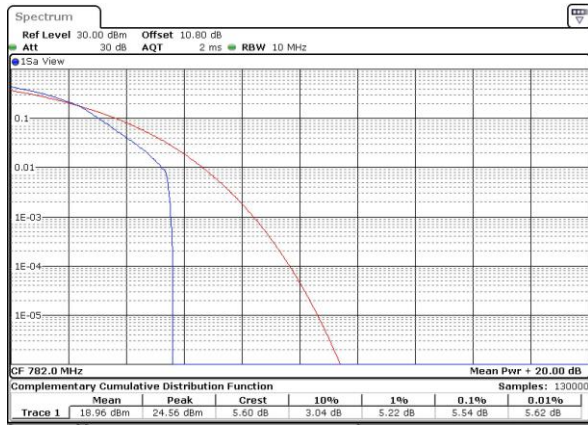
Middle Channel / Full RB



Date: 2 MAY 2017 15:31:25

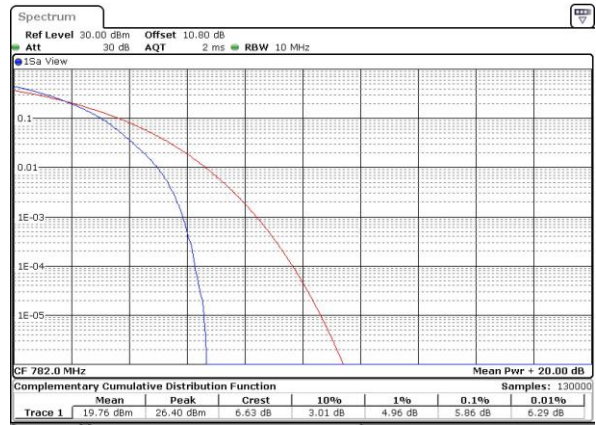
LTE Band 13 / 10MHz / 16QAM

Middle Channel/ 1RB



Date: 2 MAY 2017 15:30:45

Middle Channel / Full RB



Date: 2 MAY 2017 15:31:05



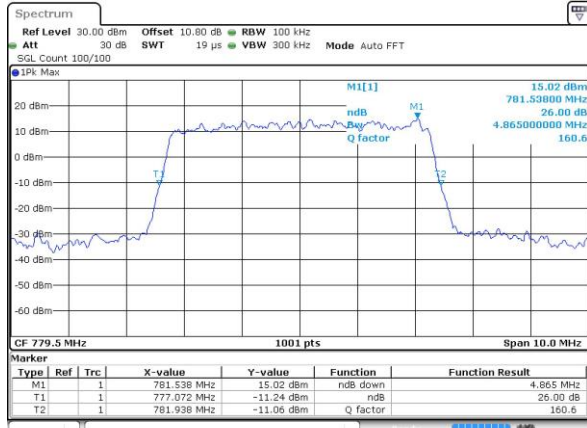
26dB Bandwidth

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	-	-	-	-	4.865	4.895	-	-	-	-	-	-
Middle CH	-	-	-	-	4.895	4.835	9.75	9.79	-	-	-	-
Highest CH	-	-	-	-	4.925	4.985	-	-	-	-	-	-



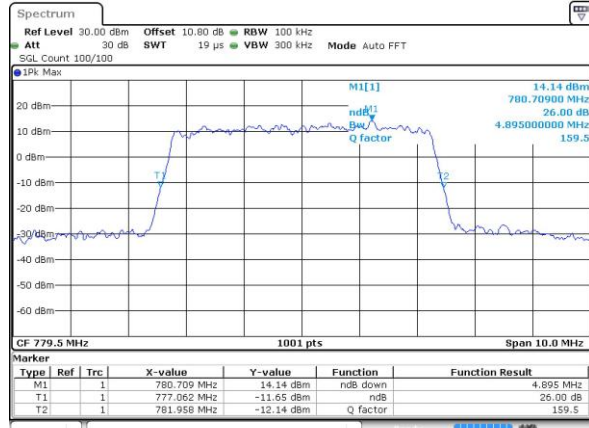
LTE Band 13

Lowest Channel / 5MHz / QPSK



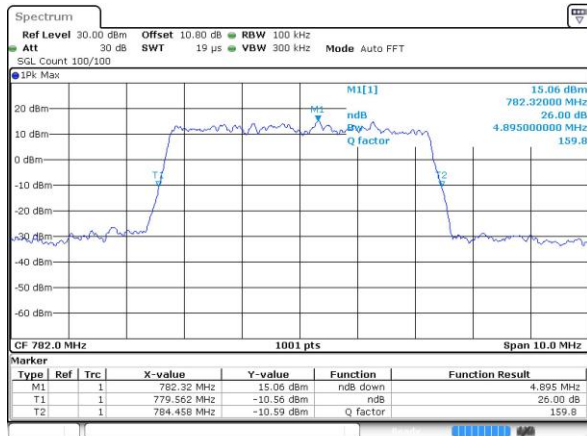
Date: 2 MAY 2017 14:07:15

Lowest Channel / 5MHz / 16QAM



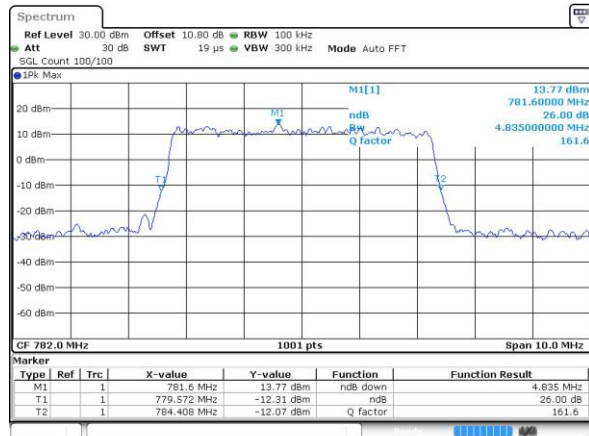
Date: 2 MAY 2017 14:07:05

Middle Channel / 5MHz / QPSK



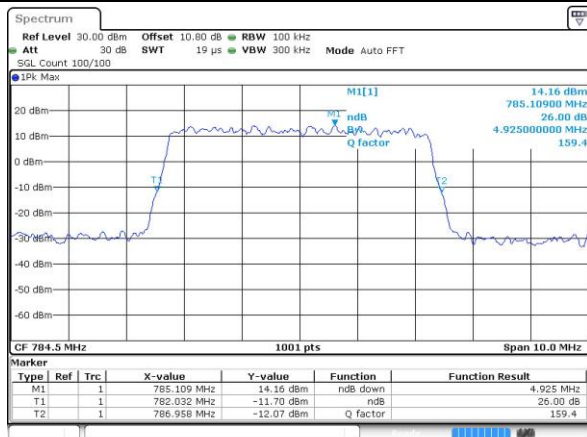
Date: 2 MAY 2017 14:17:39

Middle Channel / 5MHz / 16QAM



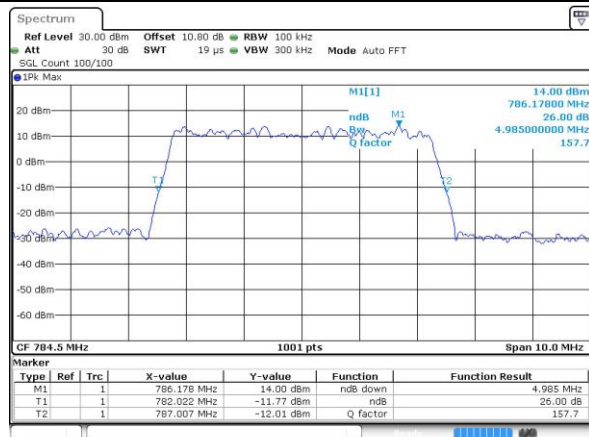
Date: 2 MAY 2017 14:17:49

Highest Channel / 5MHz / QPSK



Date: 2 MAY 2017 14:18:51

Highest Channel / 5MHz / 16QAM

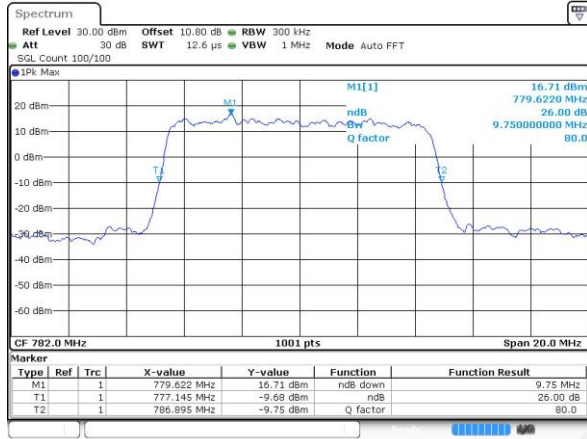


Date: 2 MAY 2017 14:18:41



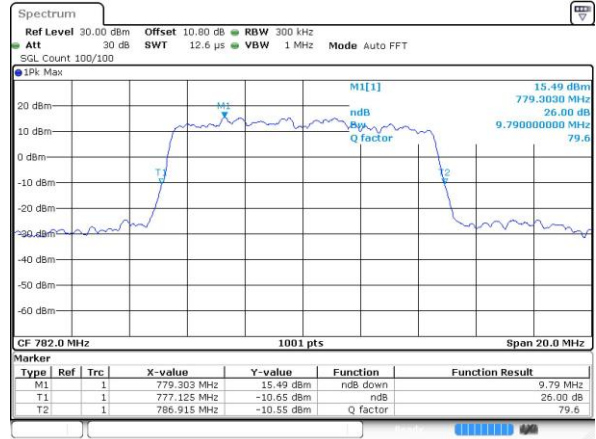
LTE Band 13

Middle Channel / 10MHz / QPSK



Date: 2 MAY 2017 14:27:59

Middle Channel / 10MHz / 16QAM



Date: 2 MAY 2017 14:27:48



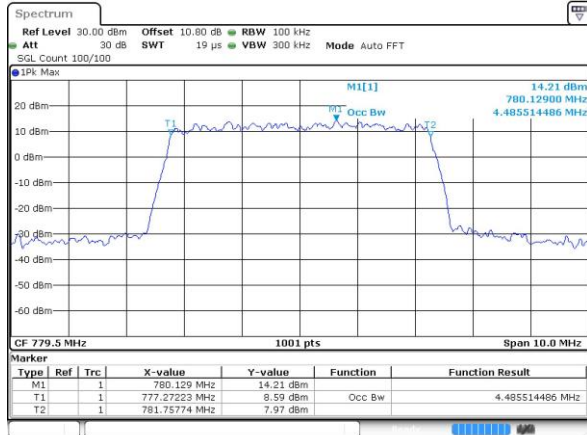
Occupied Bandwidth

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	-	-	-	-	4.49	4.46	-	-	-	-	-	-
Middle CH	-	-	-	-	4.47	4.49	8.99	8.97	-	-	-	-
Highest CH	-	-	-	-	4.5	4.51	-	-	-	-	-	-

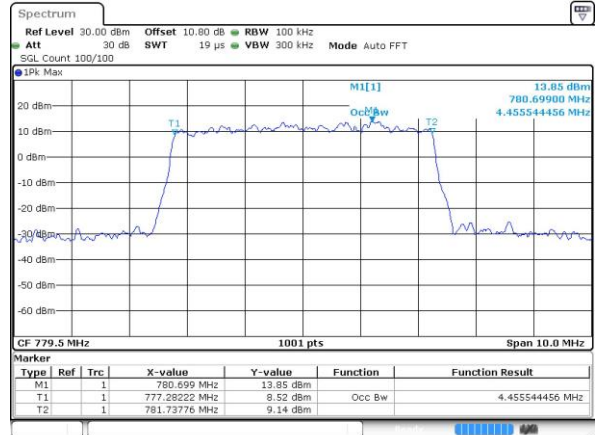


LTE Band 13

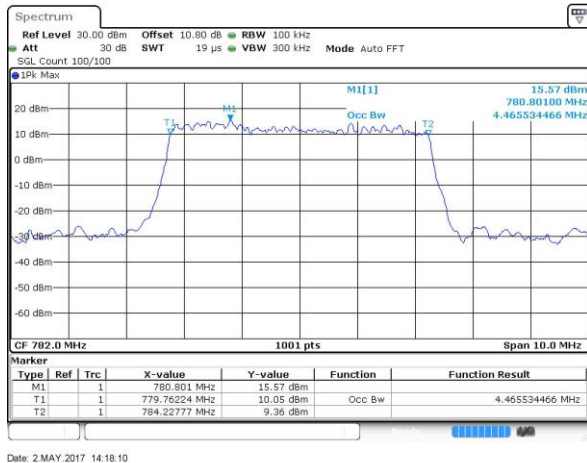
Lowest Channel / 5MHz / QPSK



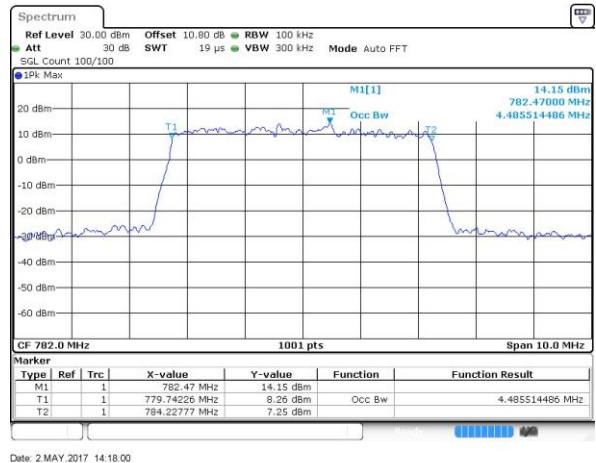
Lowest Channel / 5MHz / 16QAM



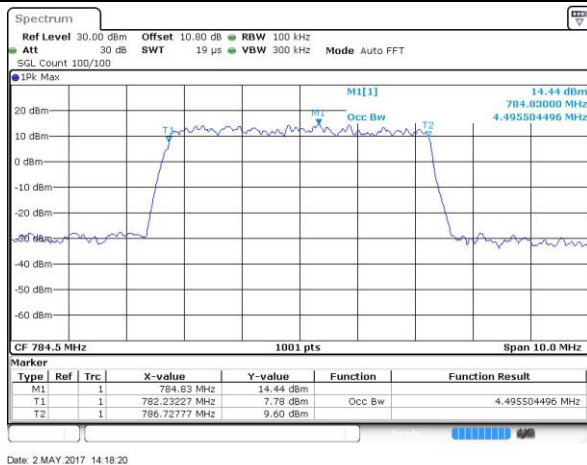
Middle Channel / 5MHz / QPSK



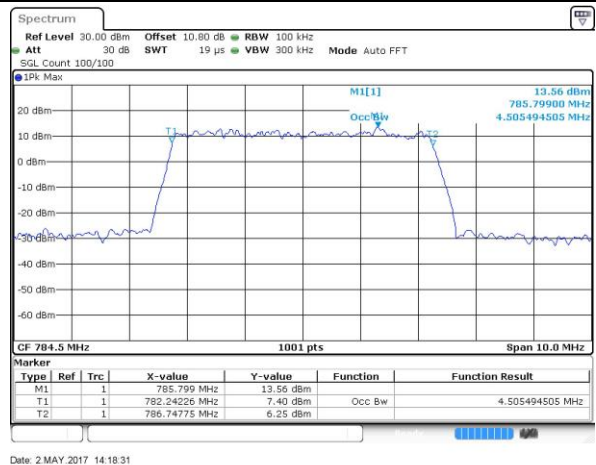
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



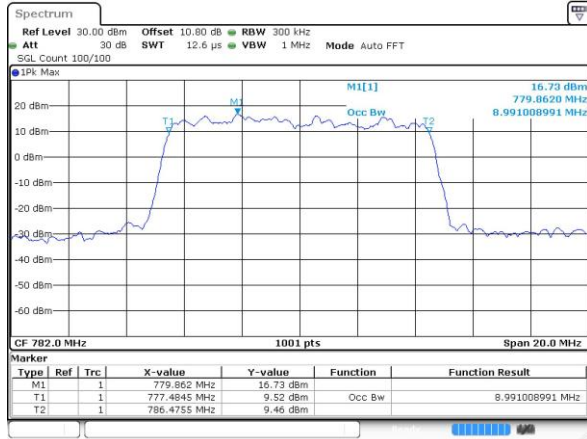
Highest Channel / 5MHz / 16QAM





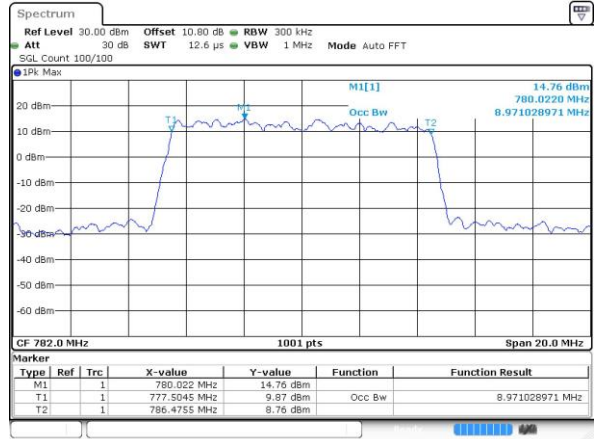
LTE Band 13

Middle Channel / 10MHz / QPSK

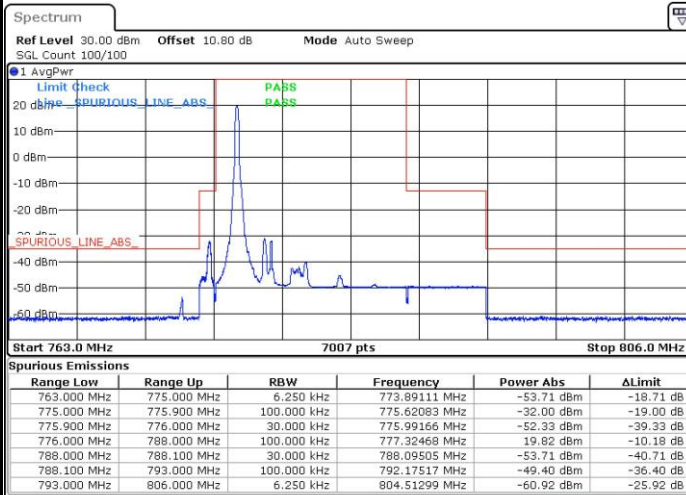
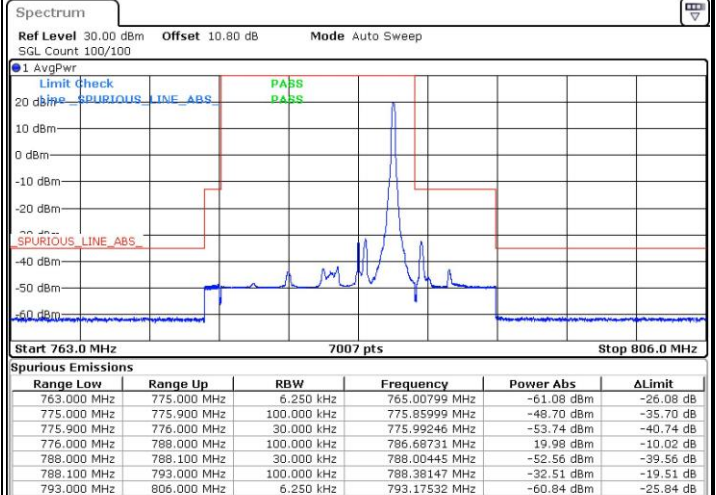
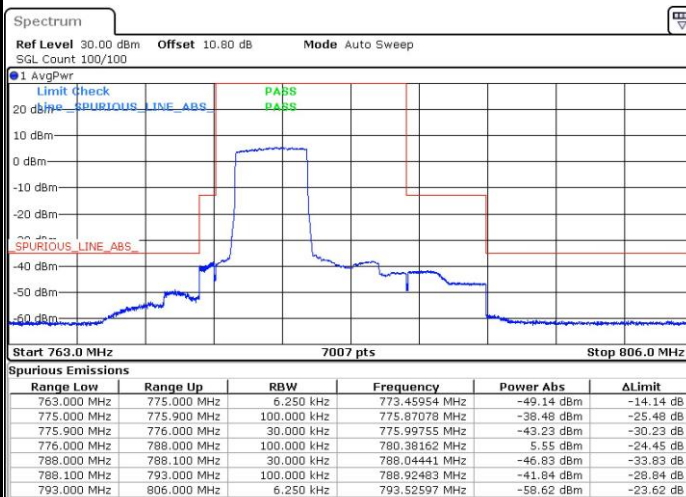
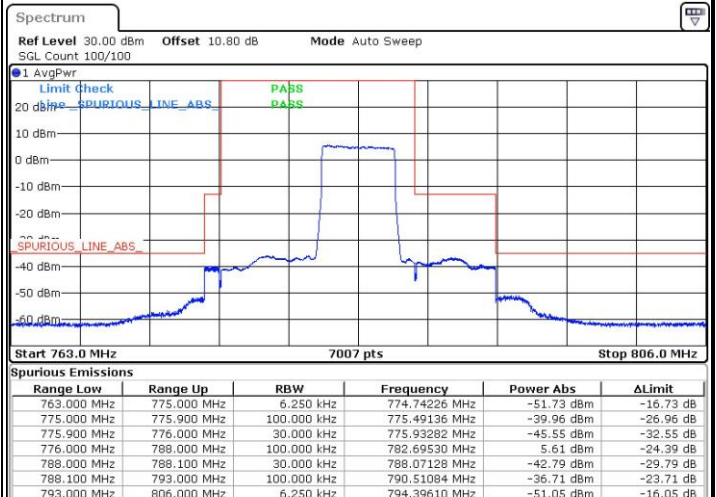


Date: 2 MAY 2017 14:27:28

Middle Channel / 10MHz / 16QAM



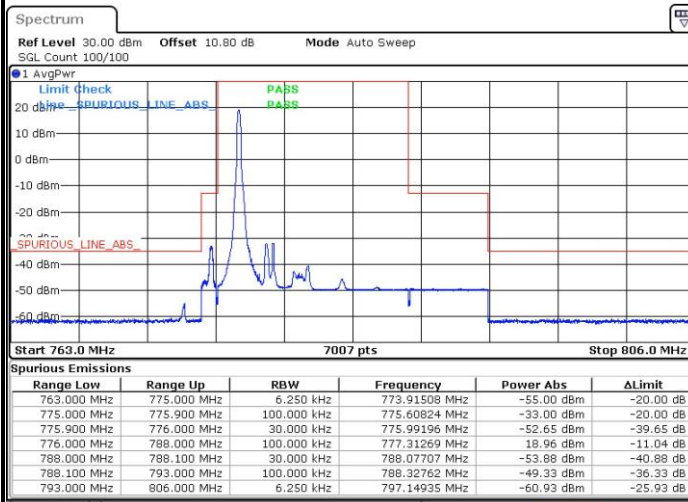
Date: 2 MAY 2017 14:27:38

**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**

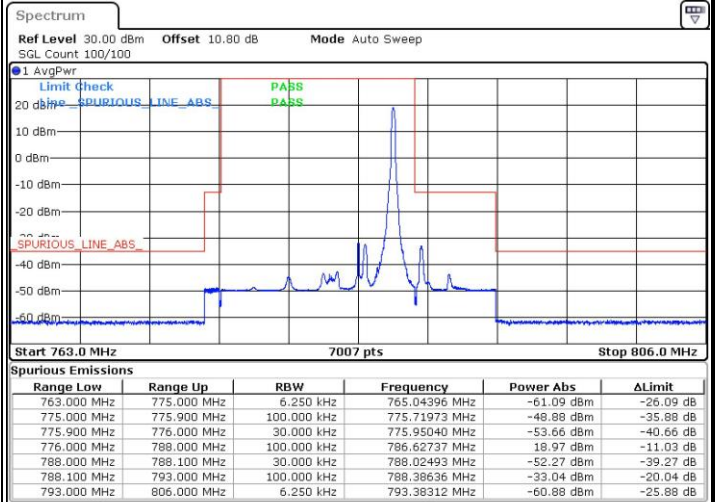


LTE Band 13 / 5MHz / 16QAM

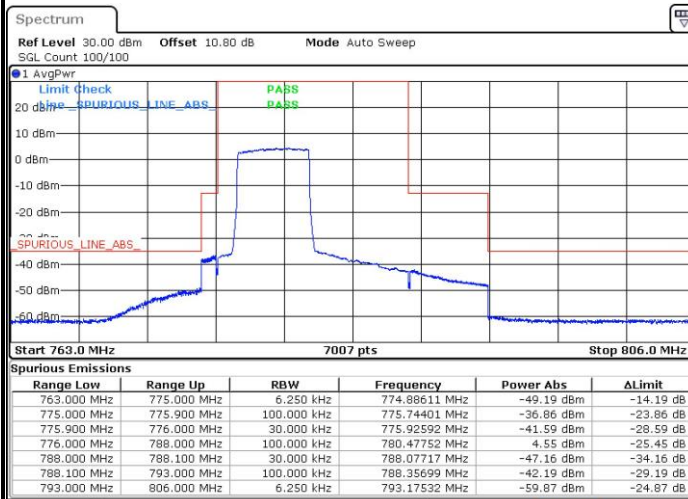
Lowest Band Edge / 1 RB



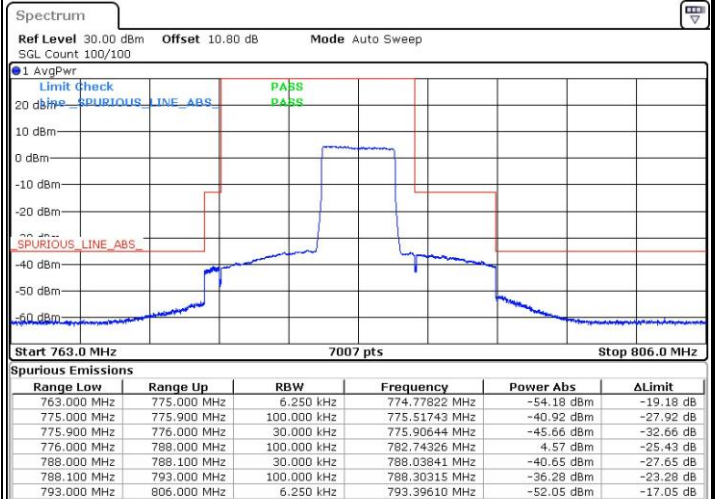
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



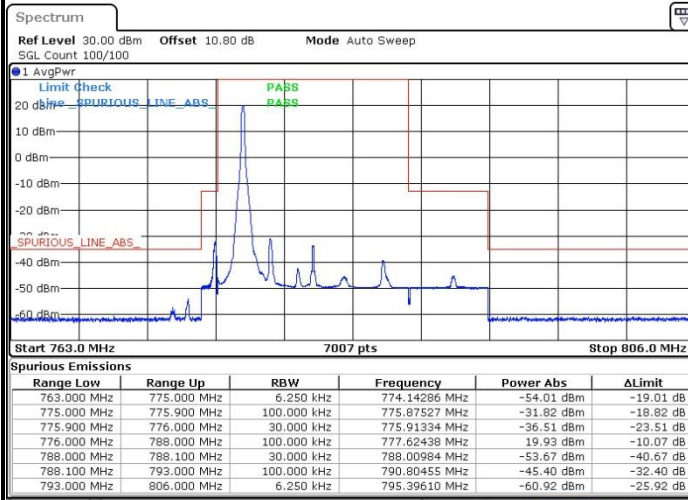
Highest Band Edge / Full RB





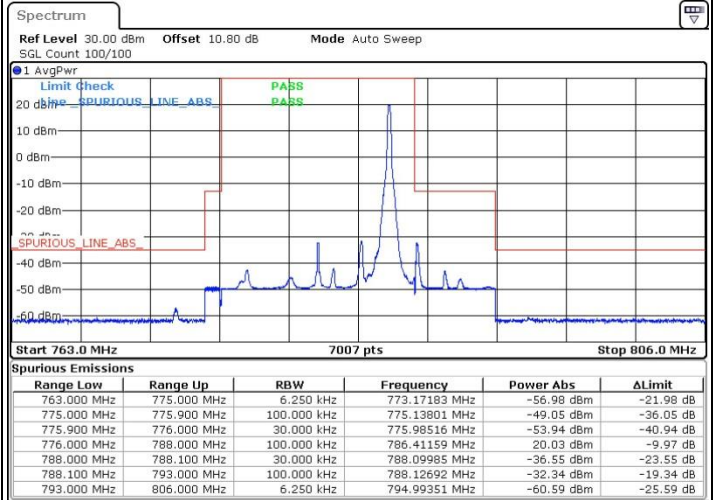
LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB



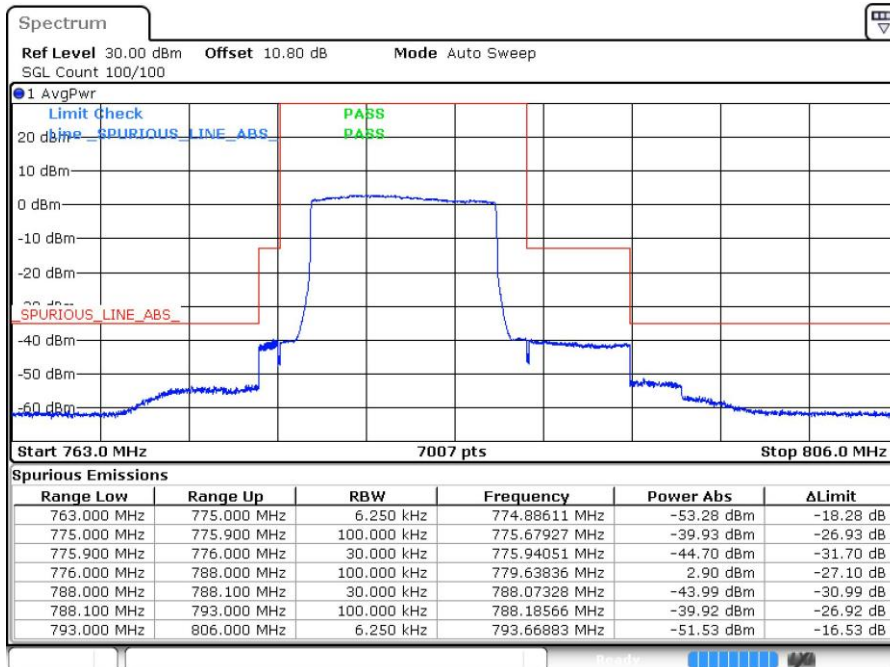
Date: 2 MAY 2017 14:34:35

Highest Band Edge / 1 RB



Date: 2 MAY 2017 14:36:15

Band Edge / Full RB

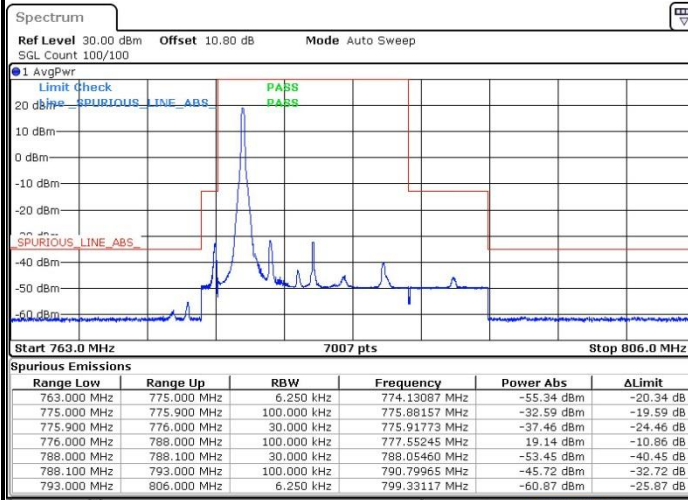


Date: 2 MAY 2017 14:29:37



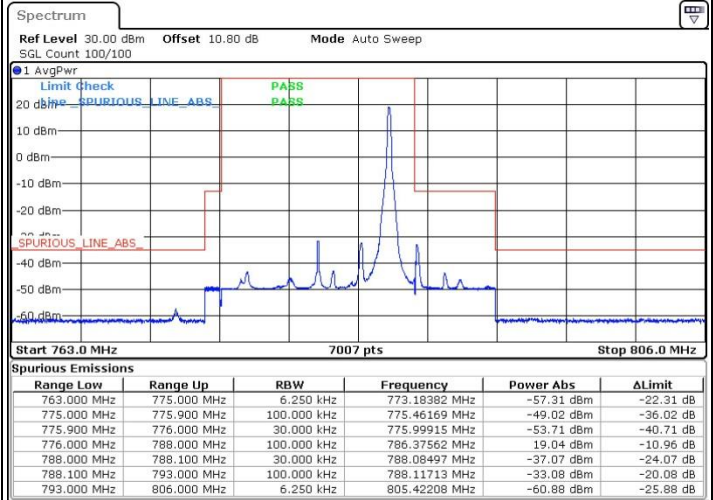
LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



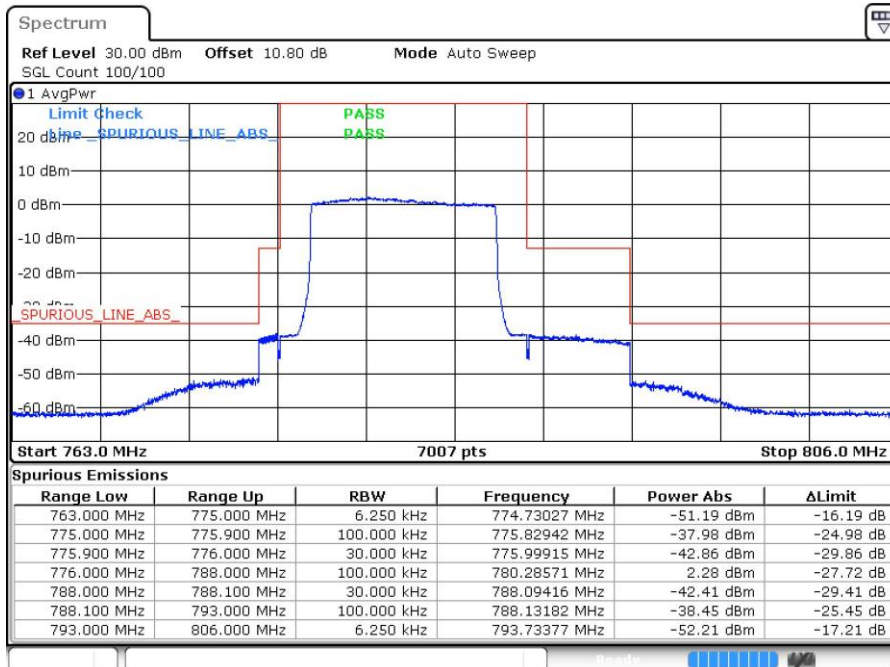
Date: 2 MAY 2017 14:32:56

Highest Band Edge / 1 RB



Date: 2 MAY 2017 14:37:54

Band Edge / Full RB



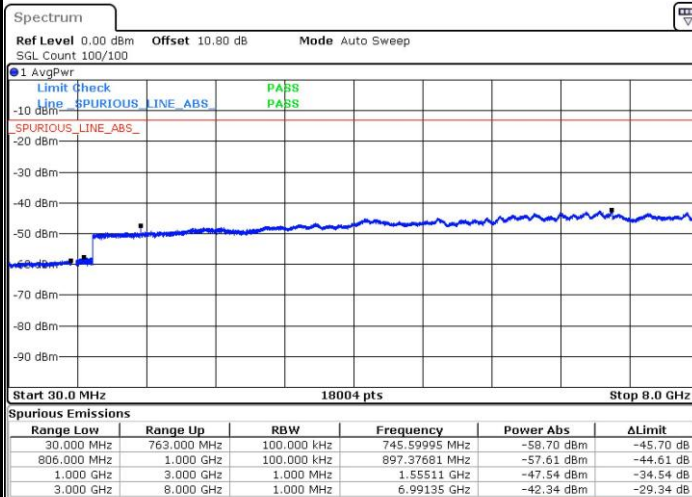
Date: 2 MAY 2017 14:31:17



Conducted Spurious Emission

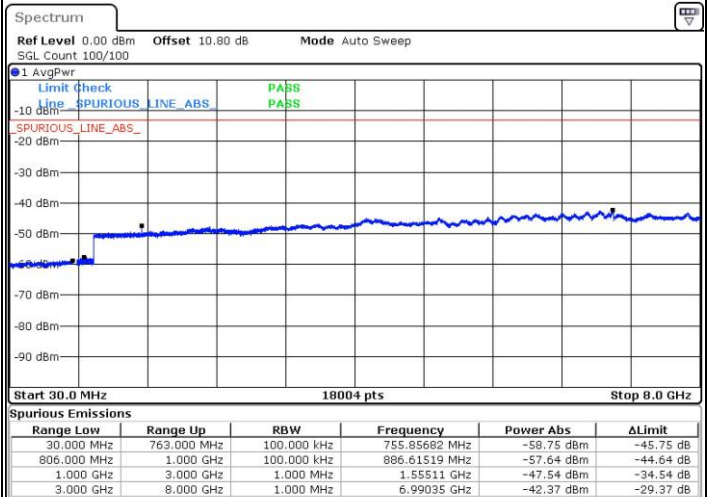
LTE Band 13 / 5MHz

Lowest Channel / QPSK



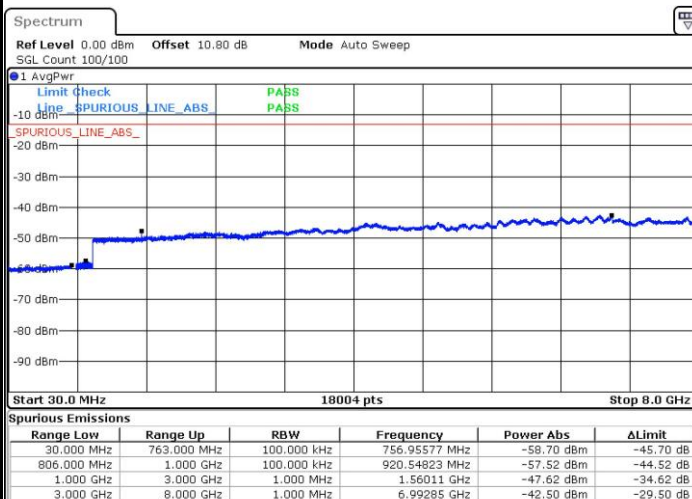
Date: 2 MAY 2017 14:14:47

Lowest Channel / 16QAM



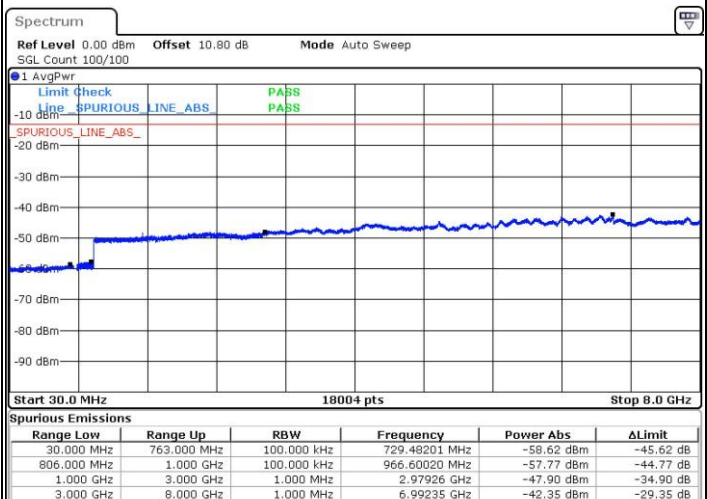
Date: 2 MAY 2017 14:15:41

Middle Channel / QPSK



Date: 2 MAY 2017 14:17:29

Middle Channel / 16QAM

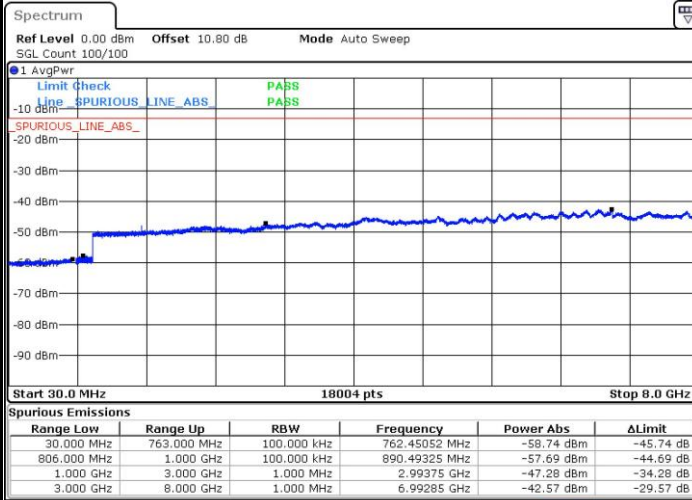


Date: 2 MAY 2017 14:16:35



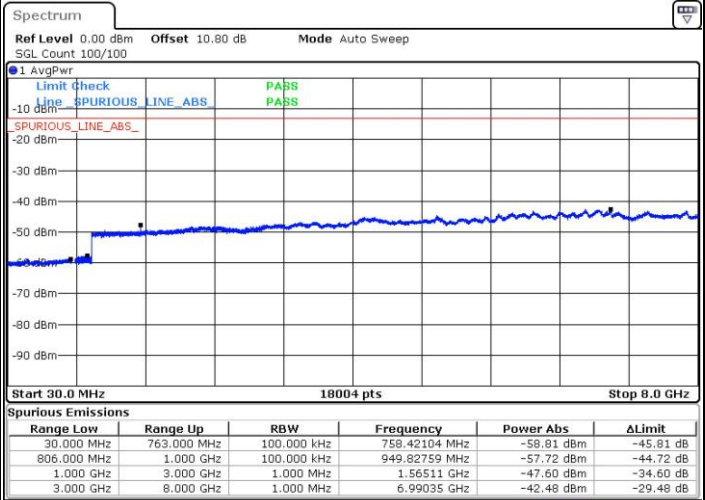
LTE Band 13 / 5MHz

Highest Channel / QPSK



Date: 2 MAY 2017 14:26:23

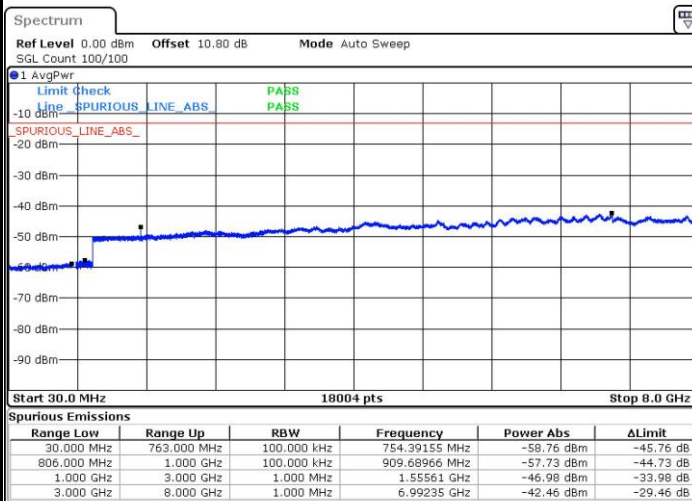
Highest Channel / 16QAM



Date: 2 MAY 2017 14:27:17

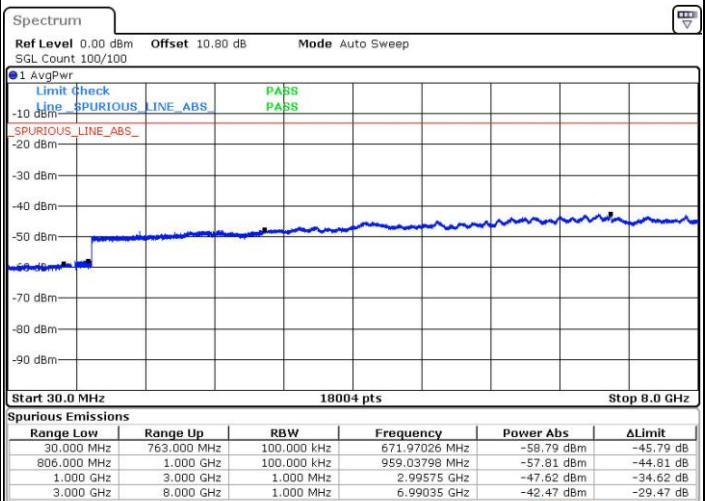
LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 2 MAY 2017 14:39:43

Middle Channel / 16QAM



Date: 2 MAY 2017 14:38:49