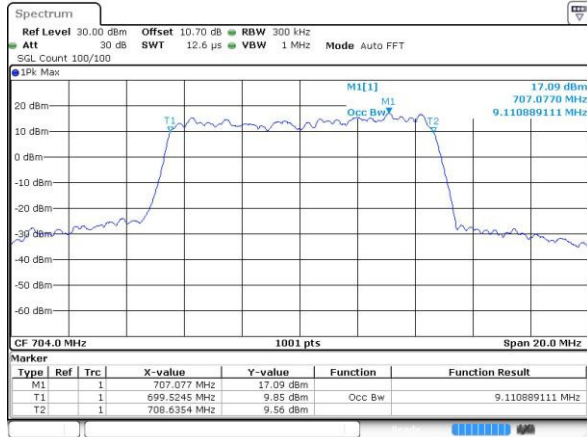


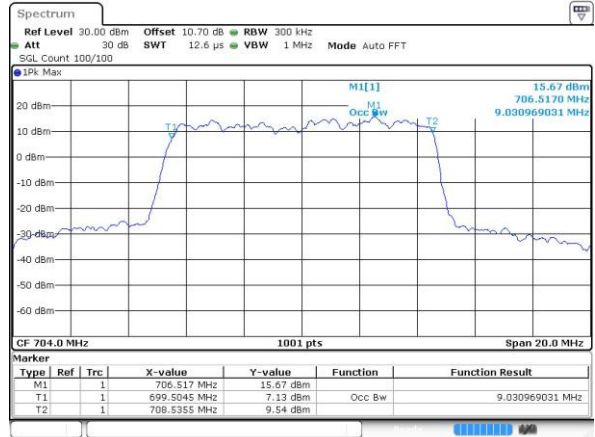


LTE Band 12

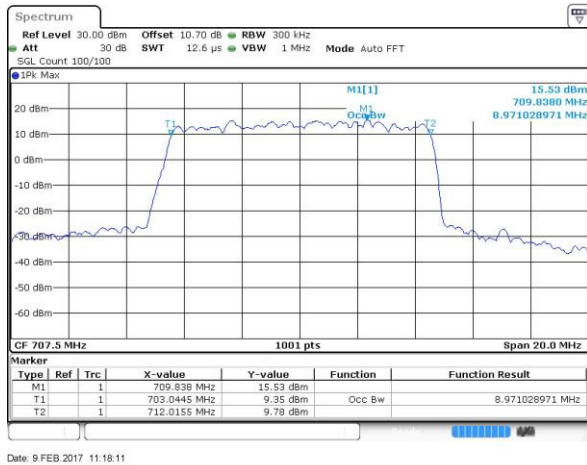
Lowest Channel / 10MHz / QPSK



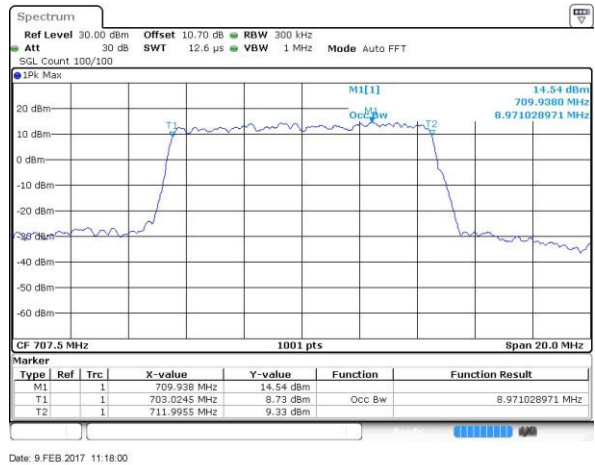
Lowest Channel / 10MHz / 16QAM



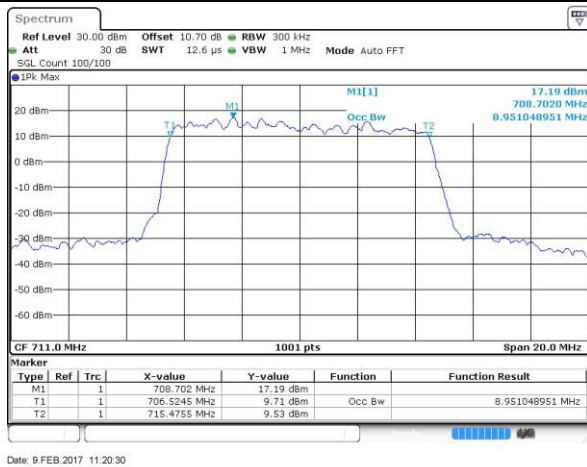
Middle Channel / 10MHz / QPSK



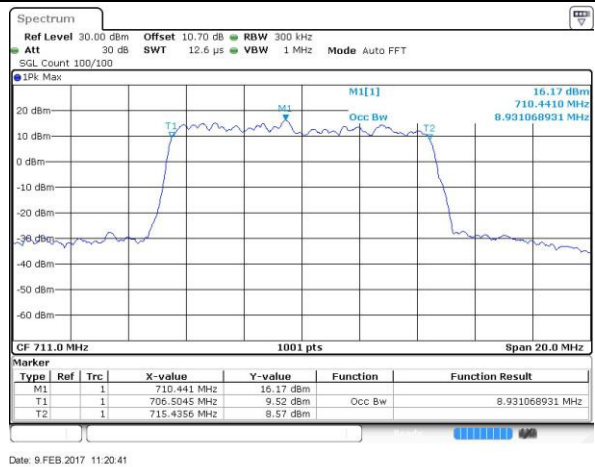
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM



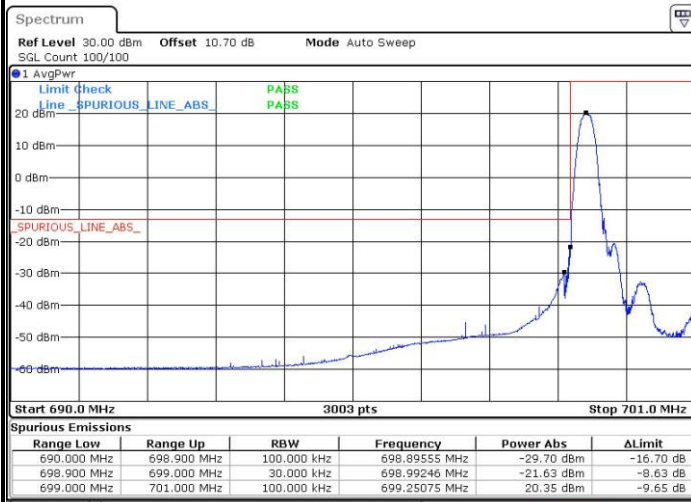


Conducted Band Edge



LTE Band 12 / 1.4MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1RB



Lowest Band Edge / Full RB



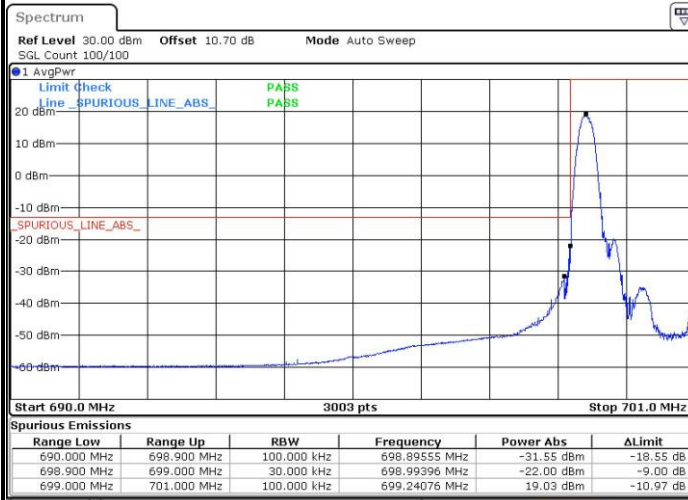
Highest Band Edge / Full RB





LTE Band 12 / 1.4MHz / 16QAM

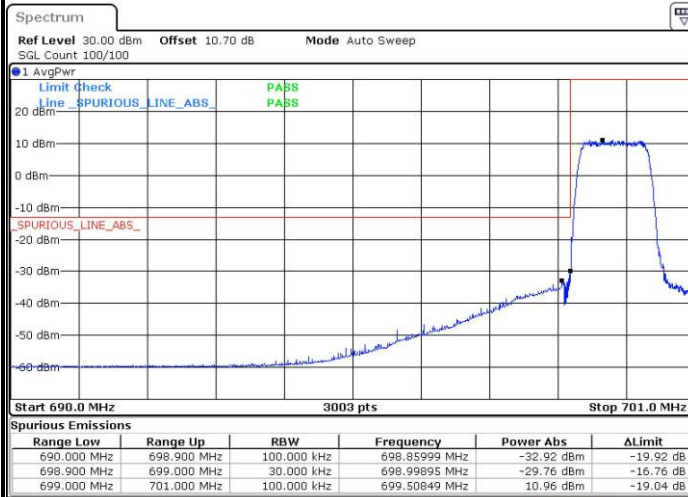
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



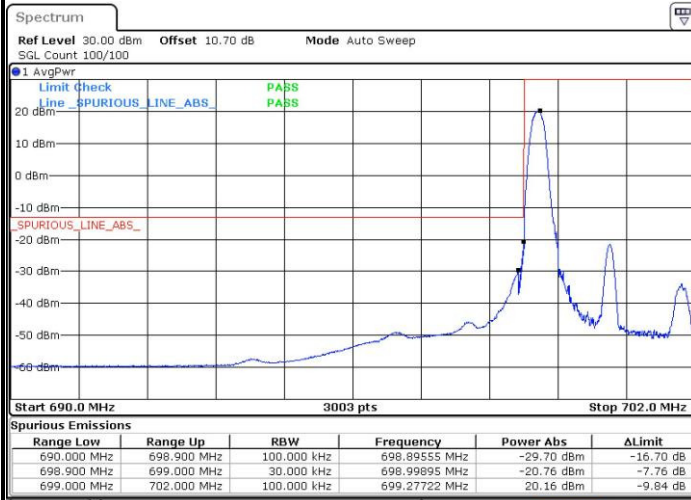
Highest Band Edge / Full RB



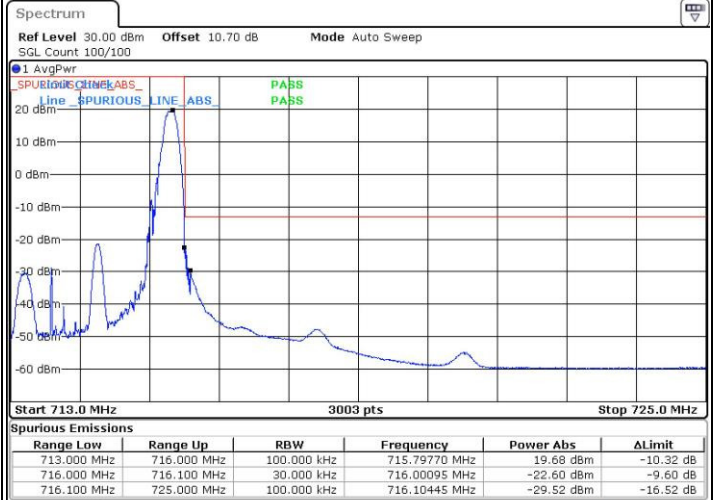


LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



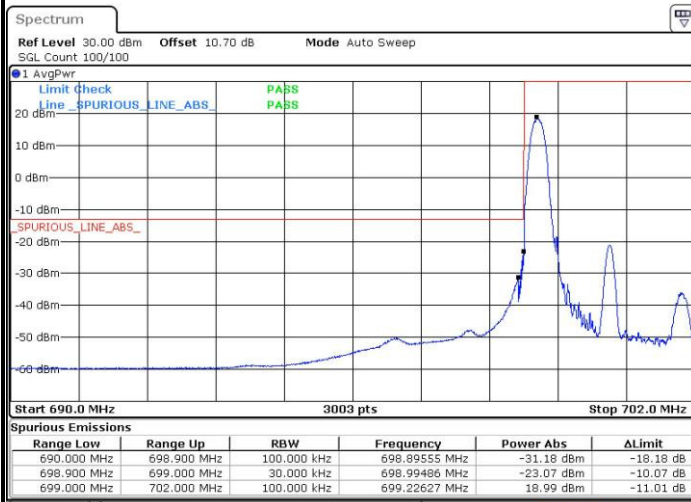
Highest Band Edge / Full RB



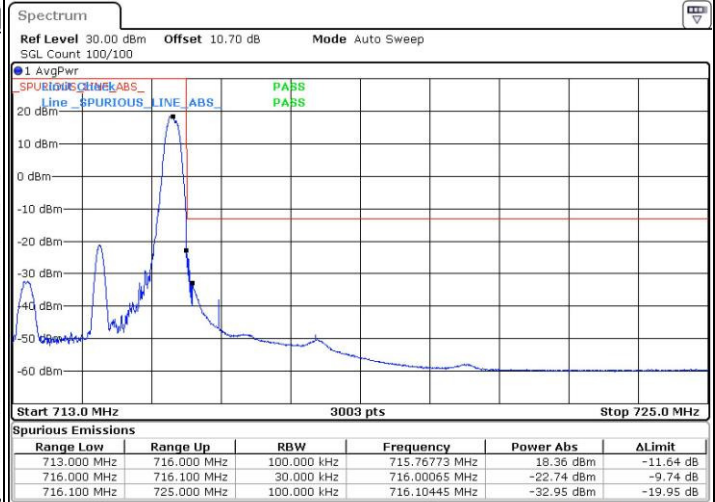


LTE Band 12 / 3MHz / 16QAM

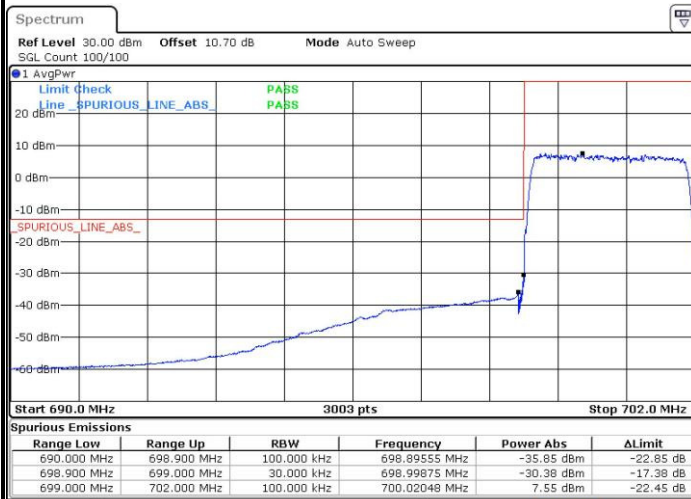
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



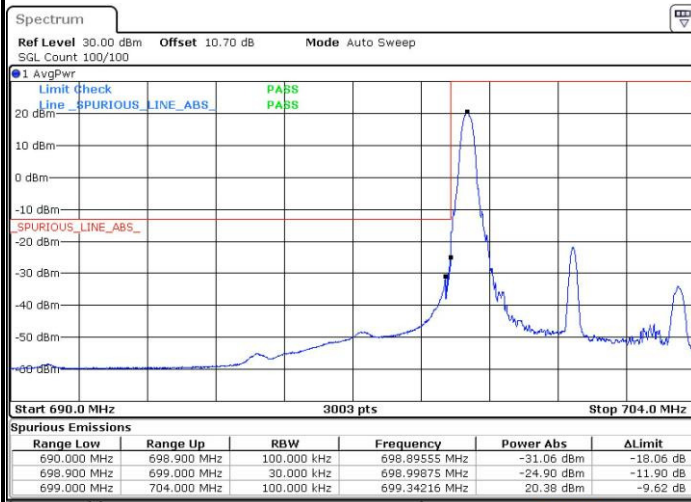
Highest Band Edge / Full RB



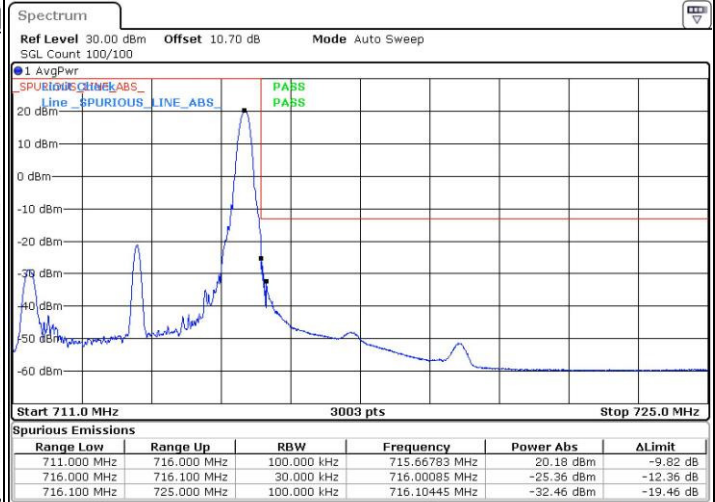


LTE Band 12 / 5MHz / QPSK

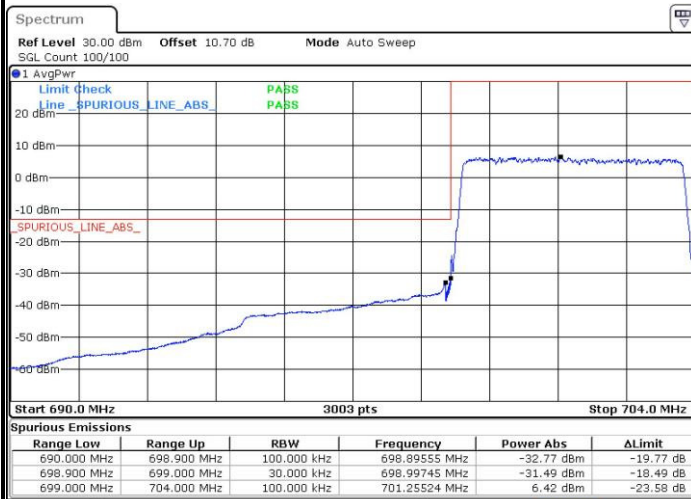
Lowest Band Edge / 1 RB



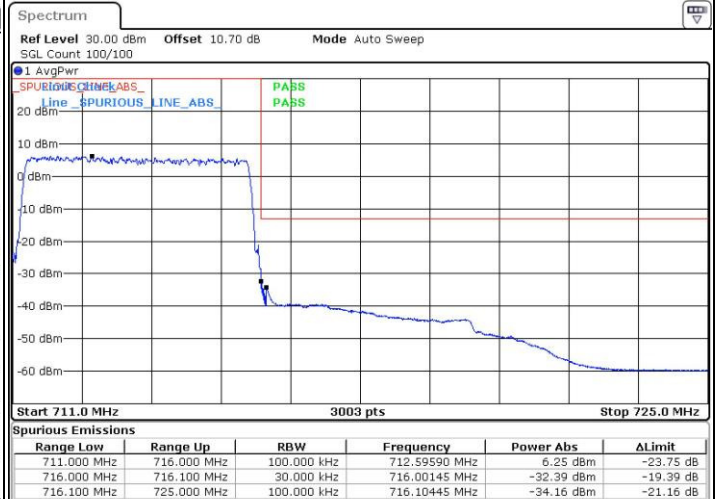
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



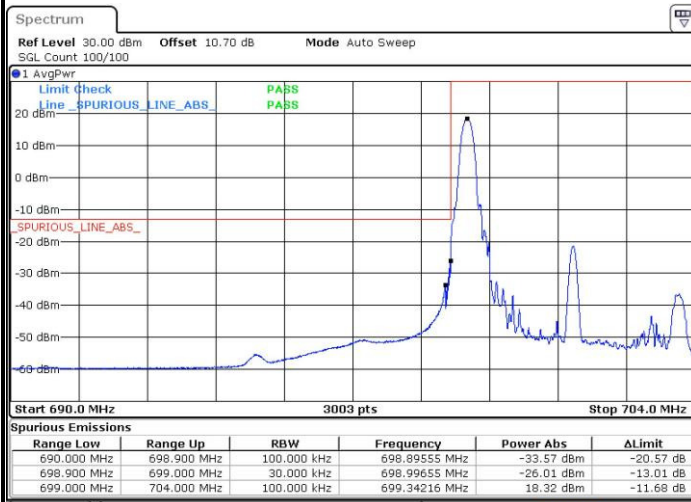
Highest Band Edge / Full RB



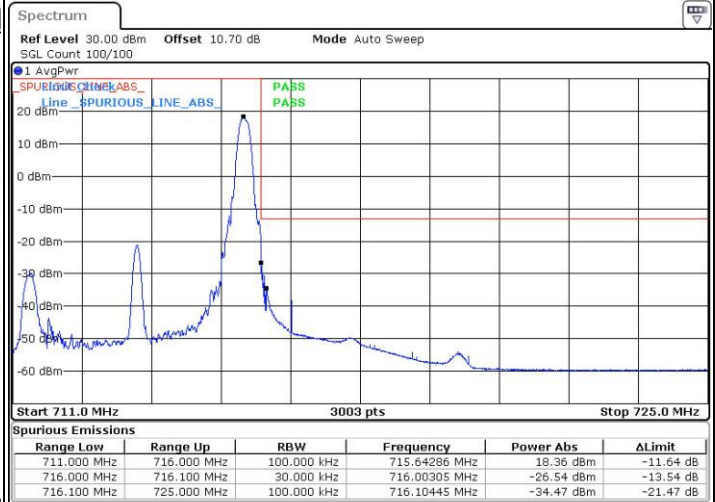


LTE Band 12 / 5MHz / 16QAM

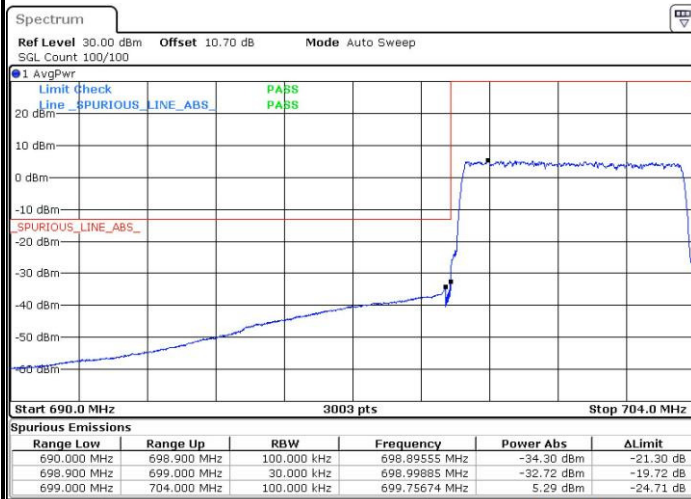
Lowest Band Edge / 1RB



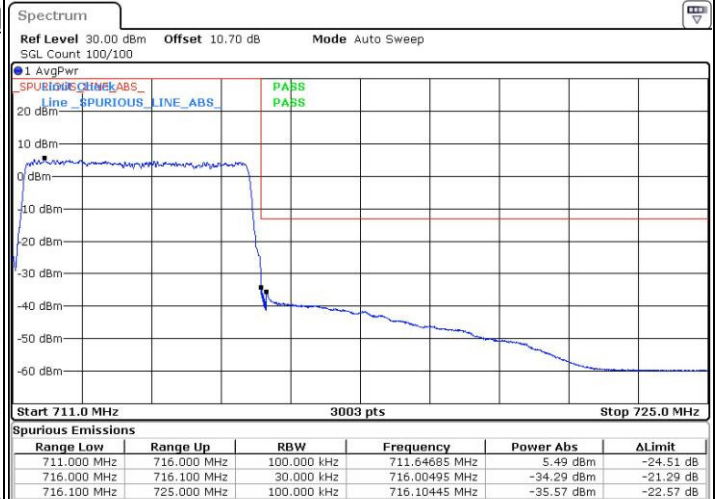
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



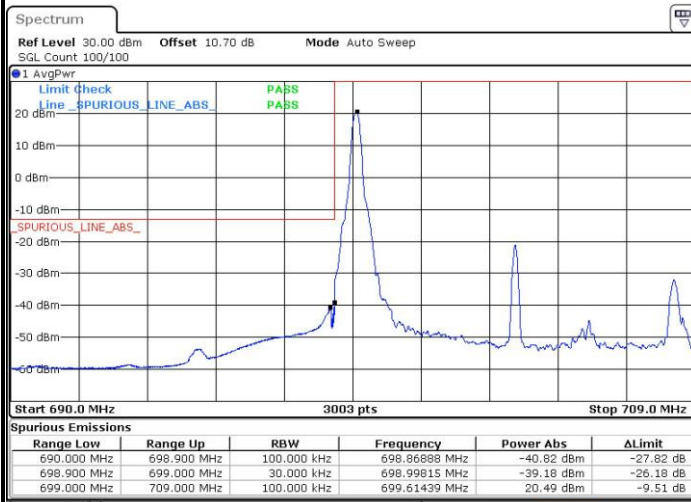
Highest Band Edge / Full RB



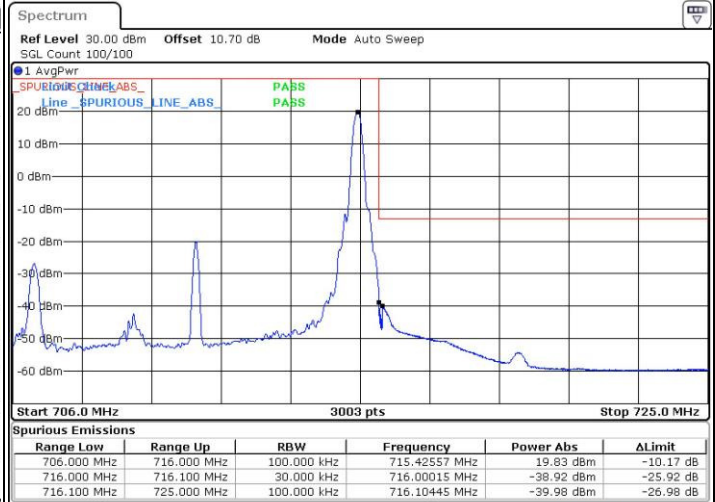


LTE Band 12 / 10MHz / QPSK

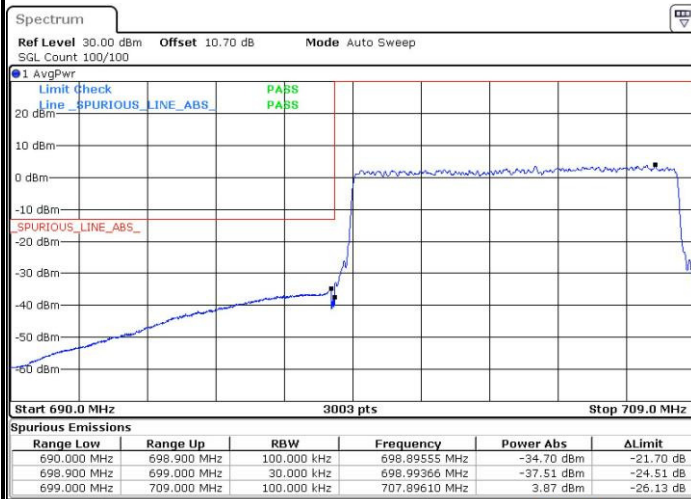
Lowest Band Edge / 1 RB



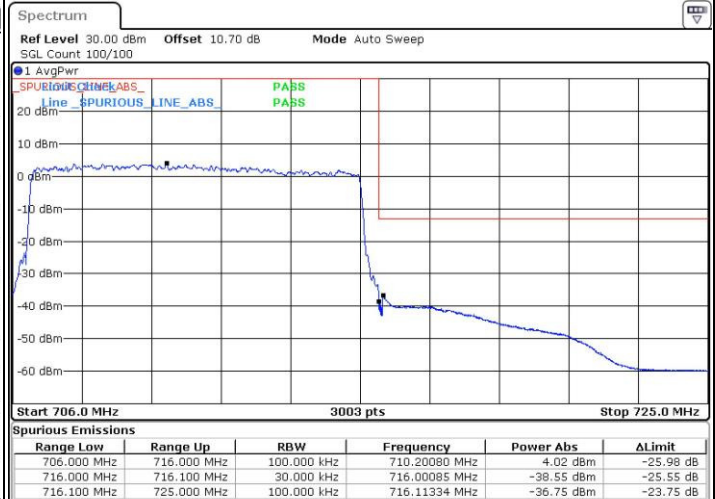
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



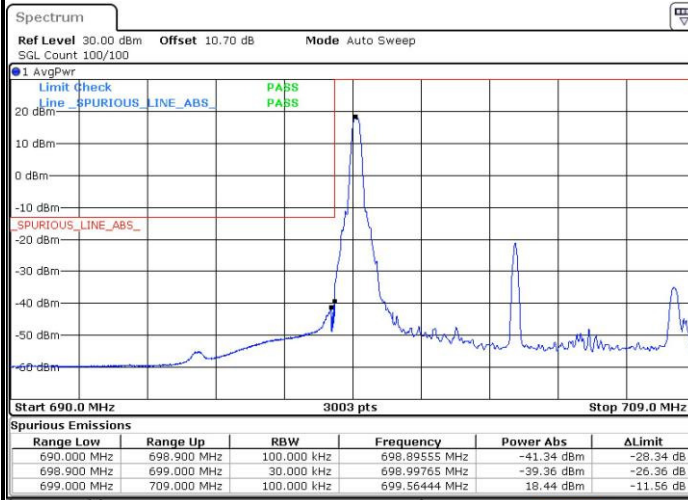
Highest Band Edge / Full RB



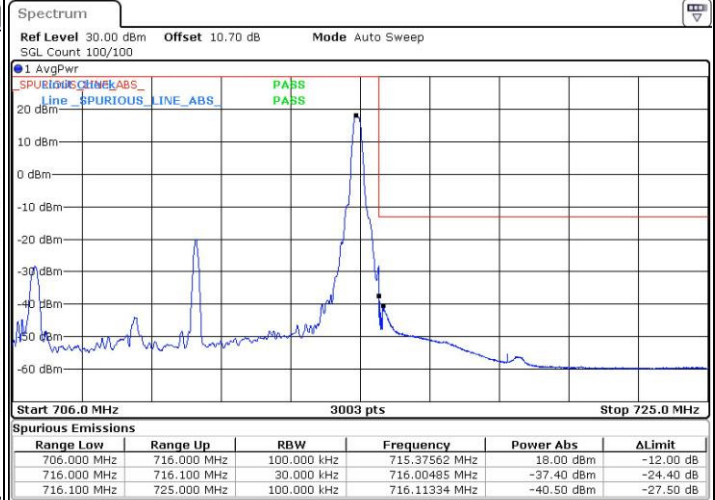


LTE Band 12 / 10MHz / 16QAM

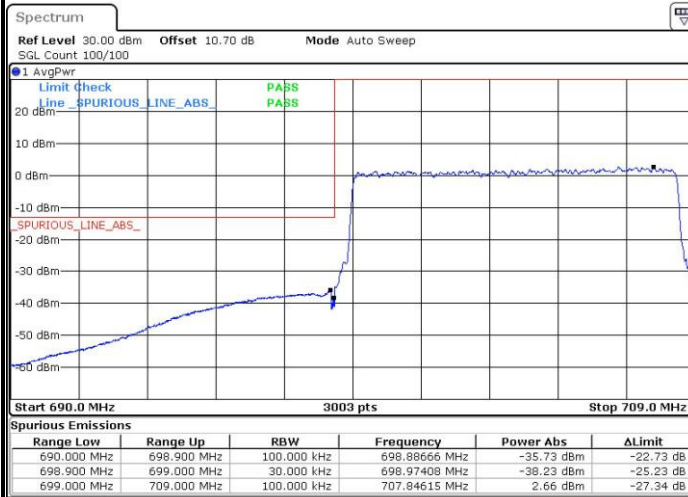
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



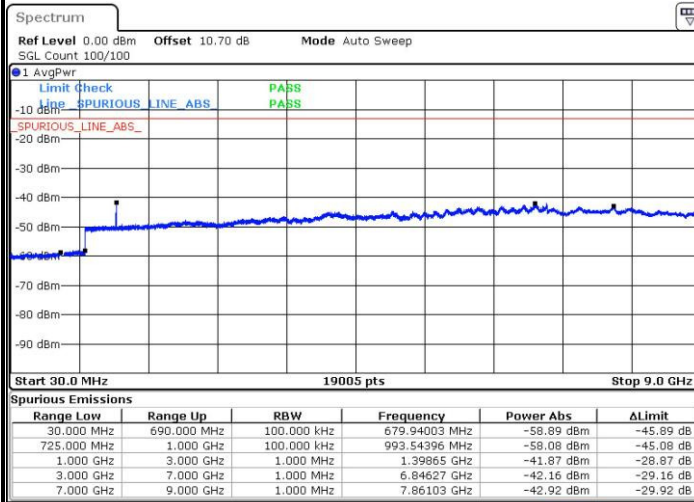


Conducted Spurious Emission



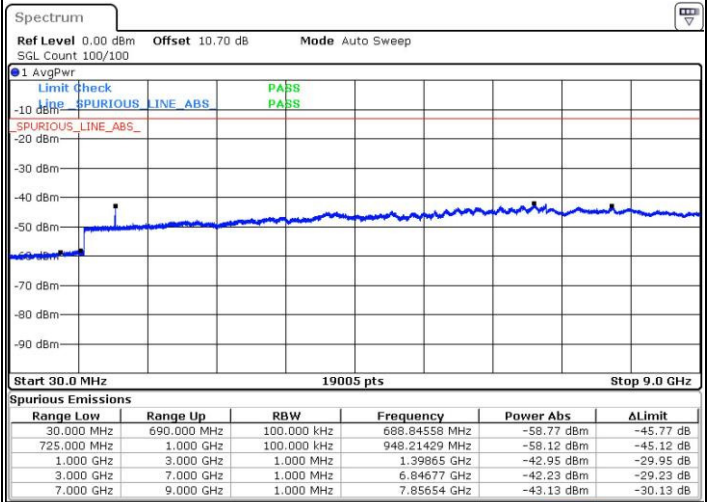
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



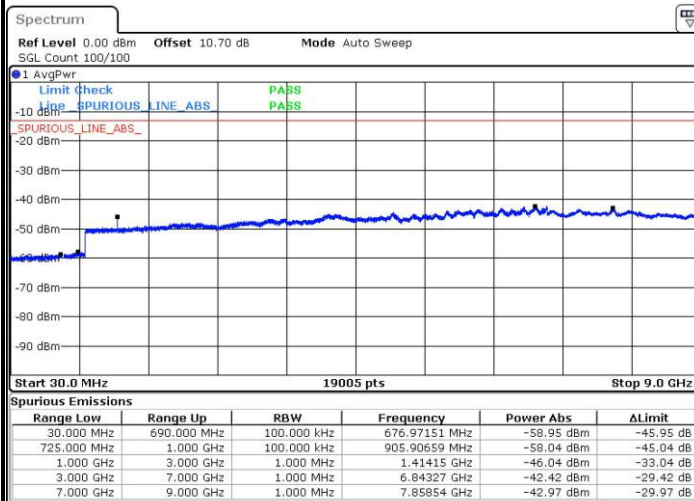
Date: 9 FEB 2017 12:00:05

Lowest Channel / 16QAM



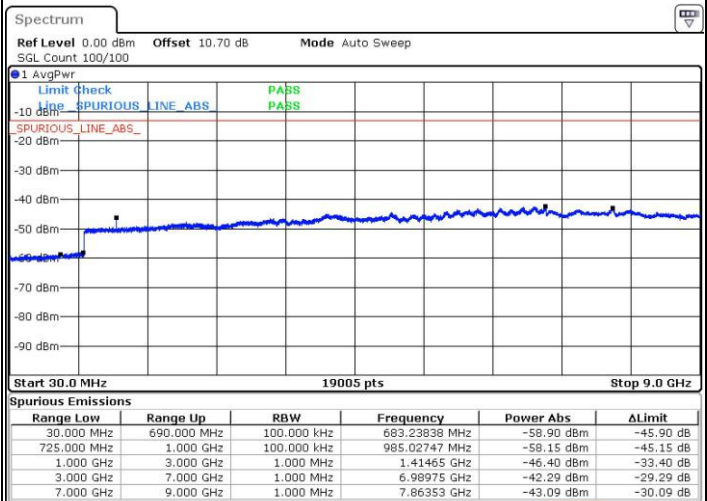
Date: 9 FEB 2017 12:00:59

Middle Channel / QPSK



Date: 9 FEB 2017 12:03:29

Middle Channel / 16QAM

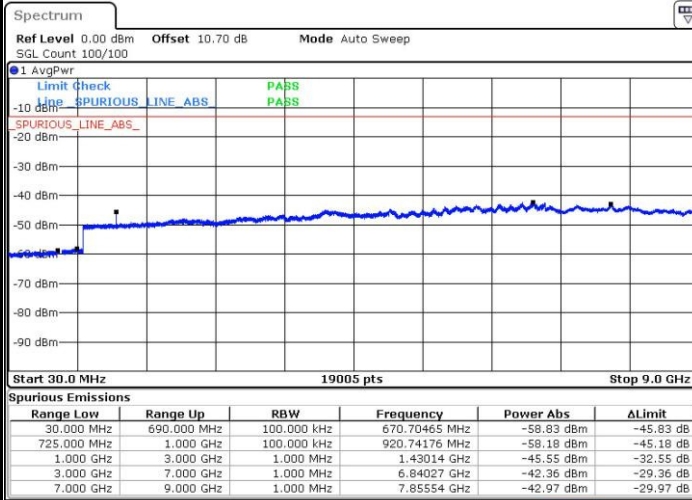


Date: 9 FEB 2017 12:02:35



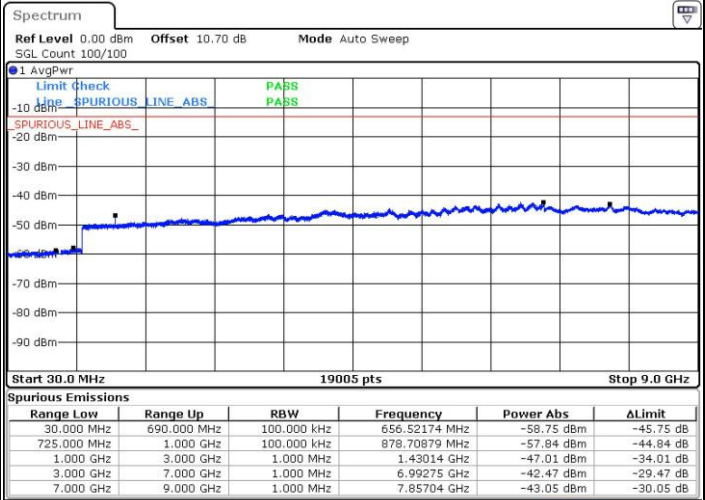
LTE Band 12 / 1.4MHz

Highest Channel / QPSK



Date: 9 FEB 2017 12:09:42

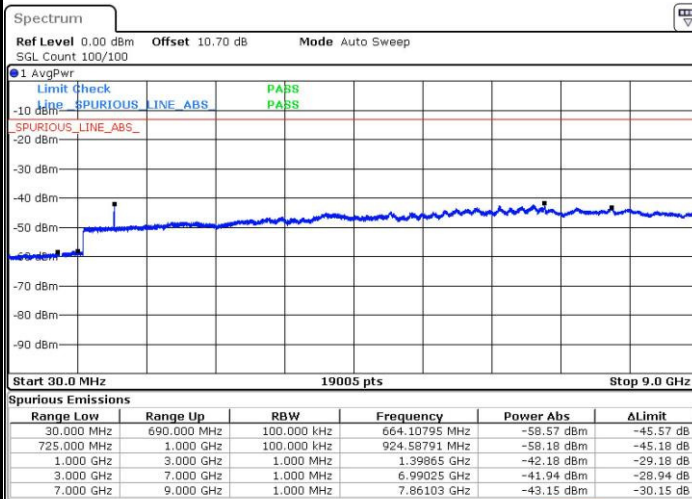
Highest Channel / 16QAM



Date: 9 FEB 2017 12:10:37

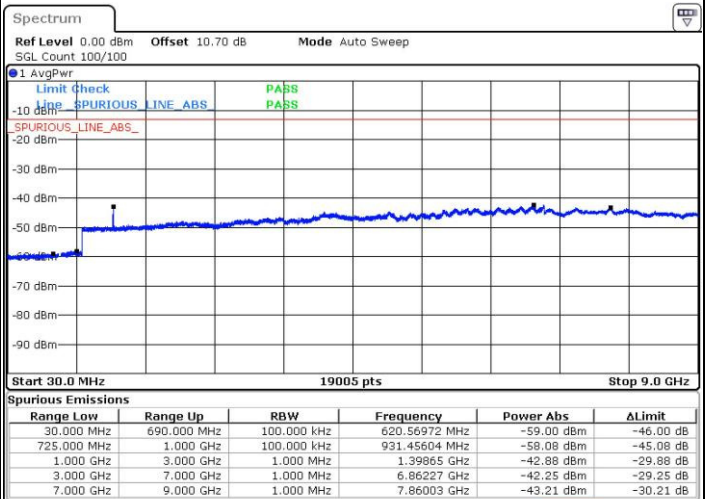
LTE Band 12 / 3MHz

Lowest Channel / QPSK



Date: 9 FEB 2017 10:34:34

Lowest Channel / 16QAM

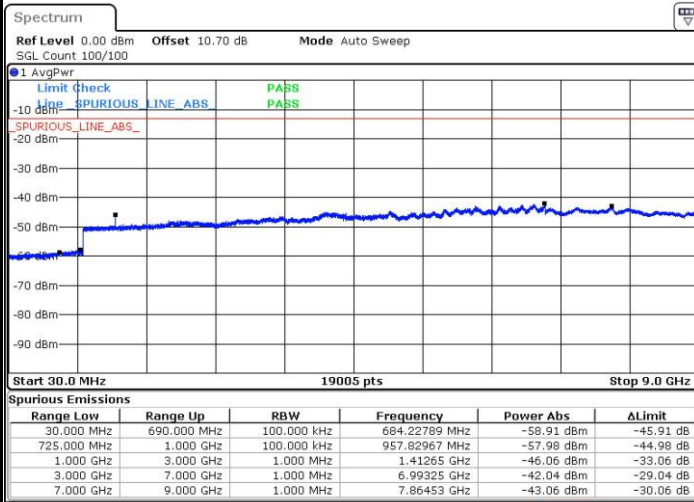


Date: 9 FEB 2017 10:35:28



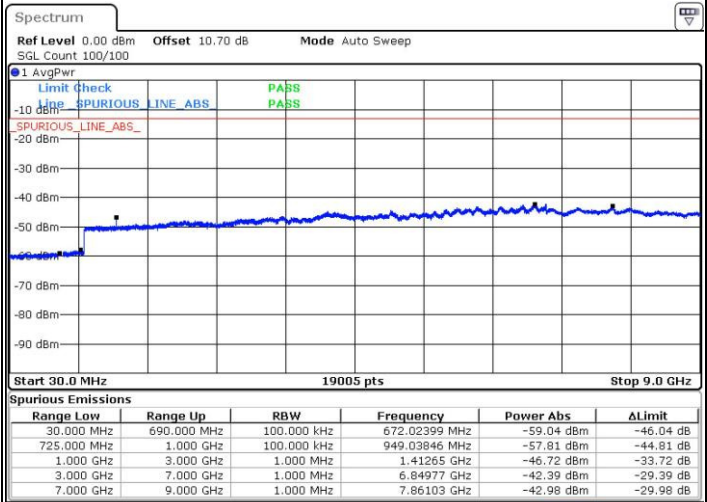
LTE Band 12 / 3MHz

Middle Channel / QPSK



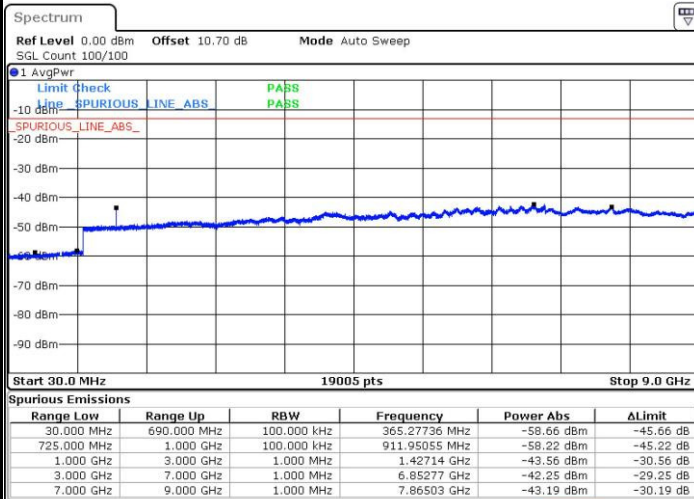
Date: 9 FEB 2017 10:37:59

Middle Channel / 16QAM



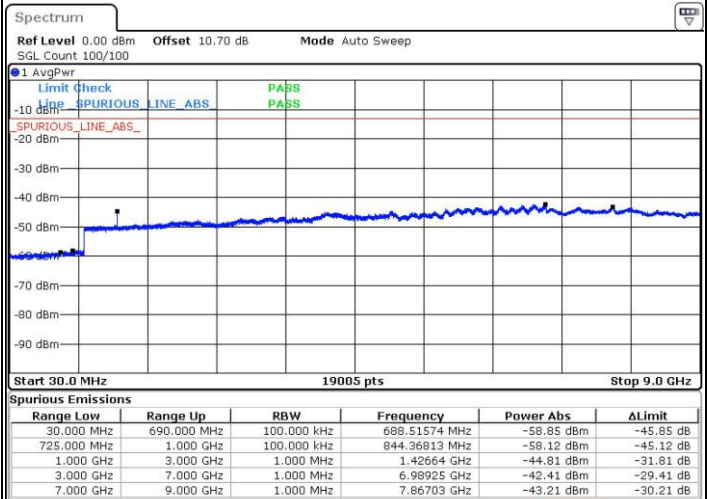
Date: 9 FEB 2017 10:37:05

Highest Channel / QPSK



Date: 9 FEB 2017 10:44:12

Highest Channel / 16QAM

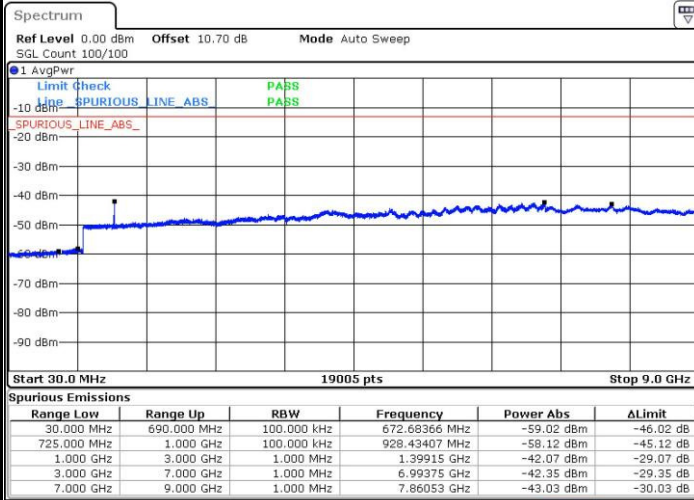


Date: 9 FEB 2017 10:45:06



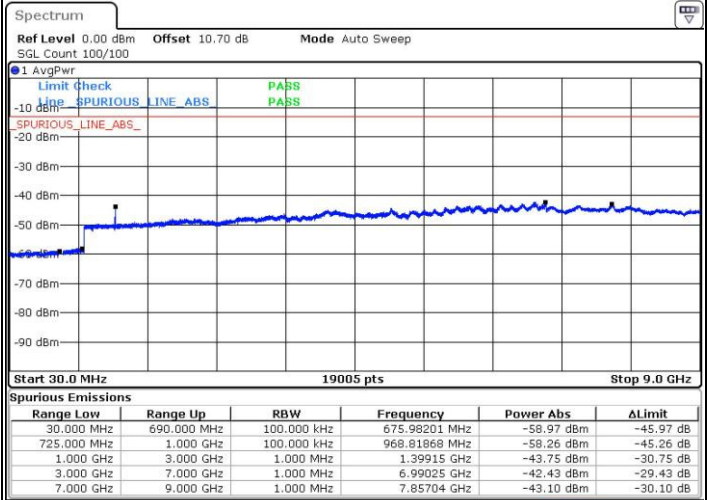
LTE Band 12 / 5MHz

Lowest Channel / QPSK



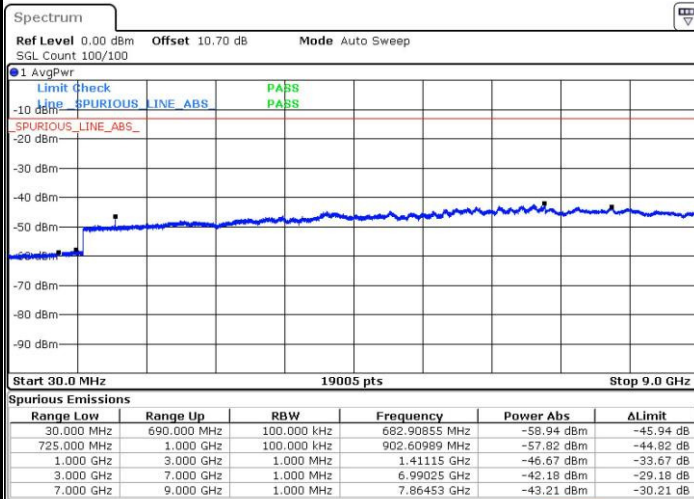
Date: 9 FEB 2017 10:51:20

Lowest Channel / 16QAM



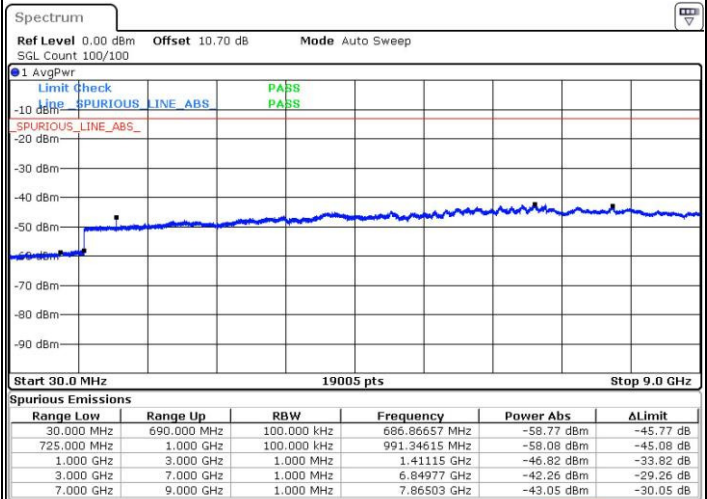
Date: 9 FEB 2017 10:52:14

Middle Channel / QPSK



Date: 9 FEB 2017 10:54:44

Middle Channel / 16QAM

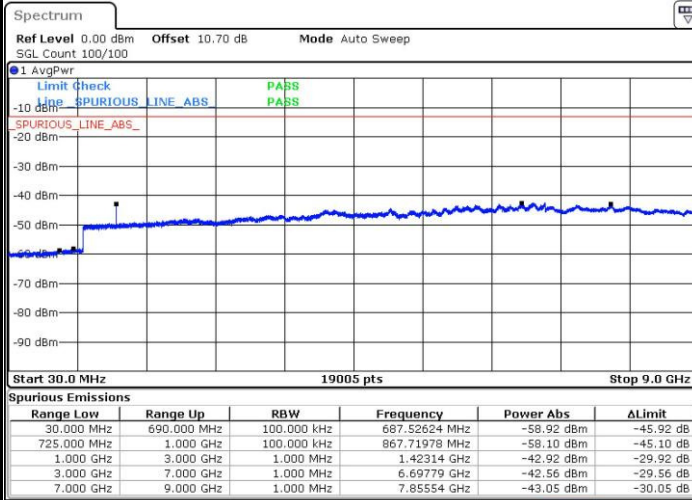


Date: 9 FEB 2017 10:53:50



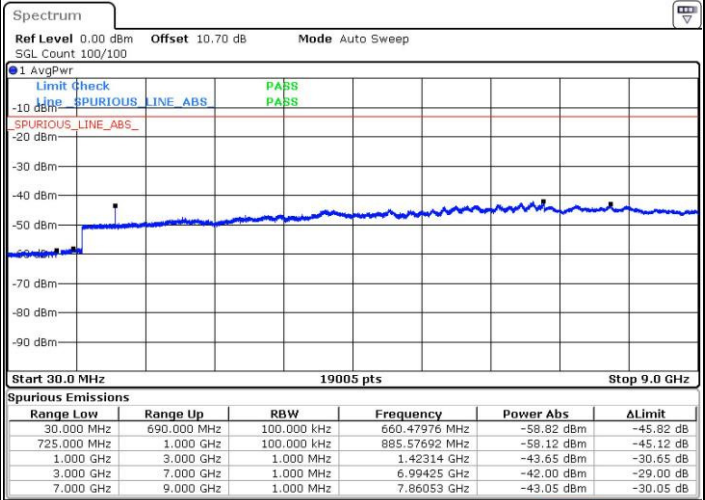
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 9 FEB 2017 11:10:43

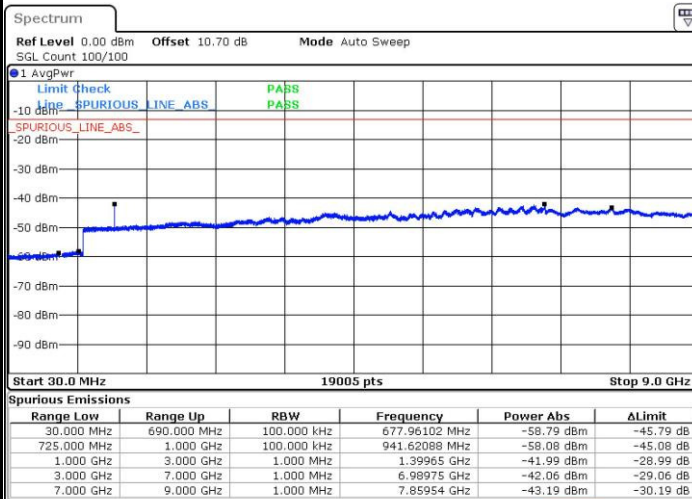
Highest Channel / 16QAM



Date: 9 FEB 2017 11:09:49

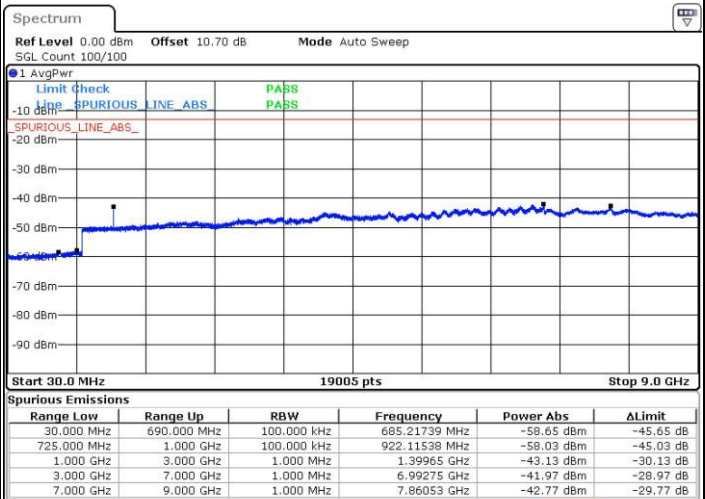
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 9 FEB 2017 11:16:56

Lowest Channel / 16QAM

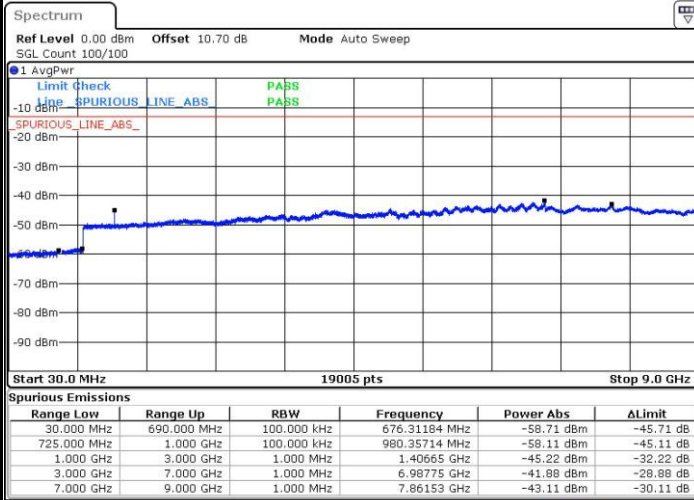


Date: 9 FEB 2017 11:17:50



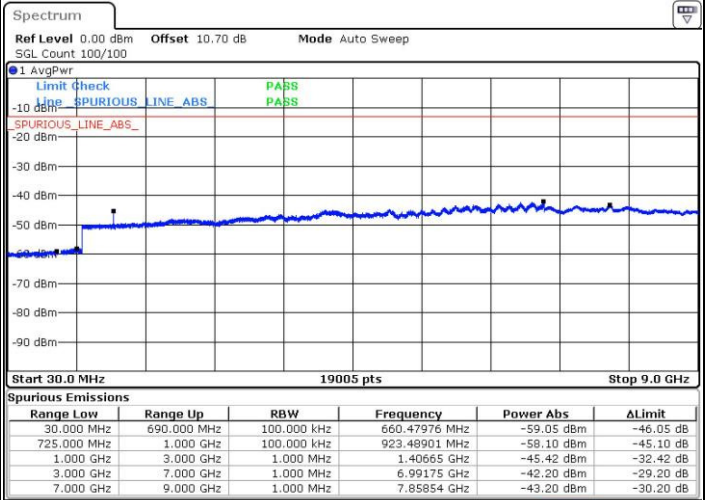
LTE Band 12 / 10MHz

Middle Channel / QPSK



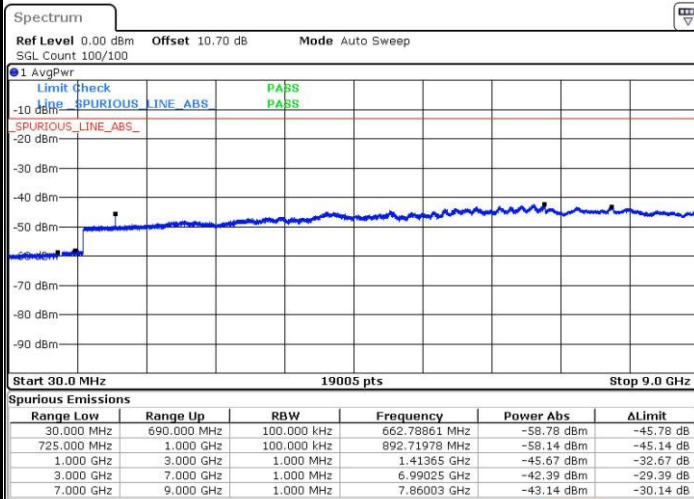
Date: 9 FEB 2017 11:20:20

Middle Channel / 16QAM



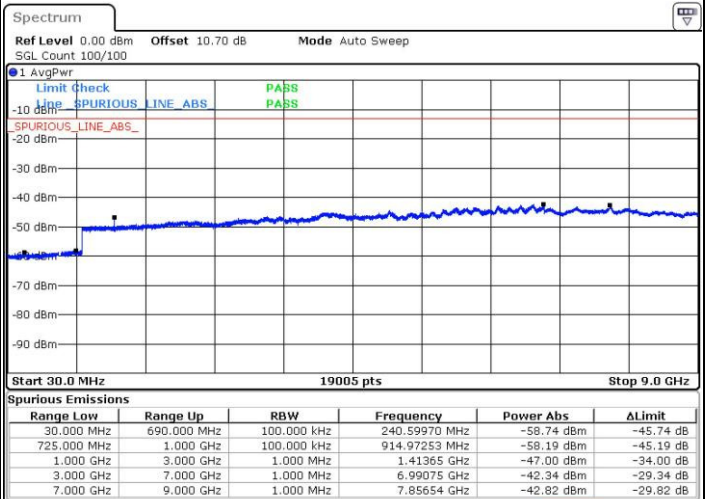
Date: 9 FEB 2017 11:19:26

Highest Channel / QPSK



Date: 9 FEB 2017 11:26:32

Highest Channel / 16QAM



Date: 9 FEB 2017 11:47:42

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	0.0051	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0061	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0090	
20	Maximum Voltage	0.0052	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 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	4.72	4.84	5.57	5.86	PASS
Middle CH	4.75	4.81	5.39	5.83	
Highest CH	4.72	4.9	5.86	5.83	

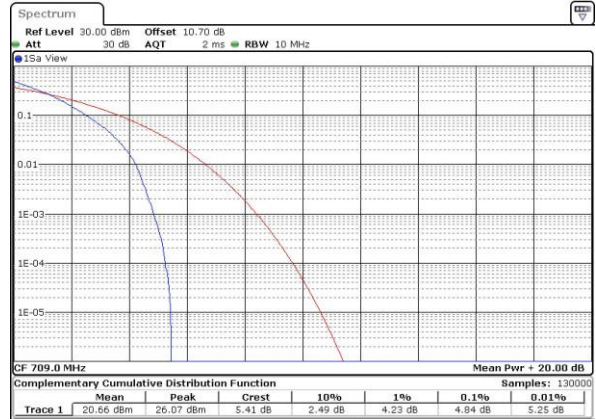


LTE Band 17 / 10MHz / QPSK

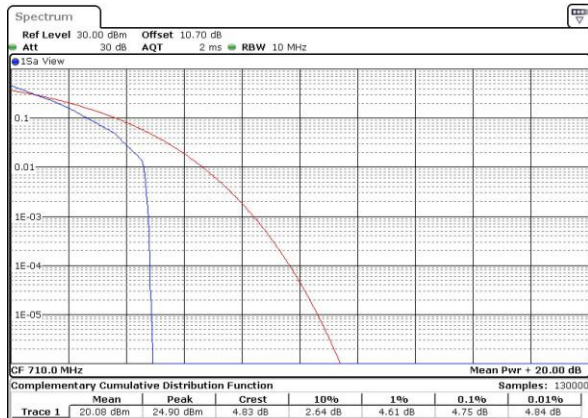
Lowest Channel / 1RB



Lowest Channel / Full RB



Middle Channel/ 1RB



Middle Channel / Full RB



Highest Channel/ 1RB



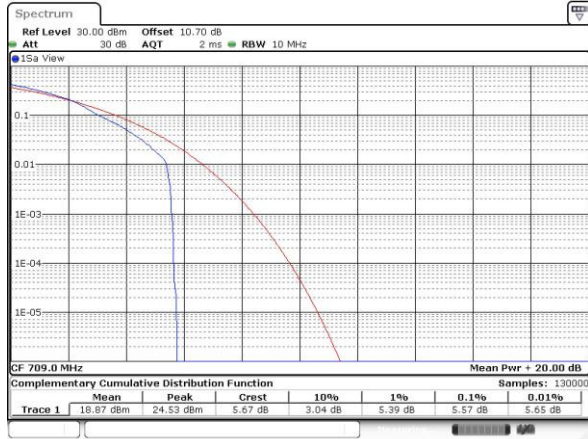
Highest Channel / Full RB



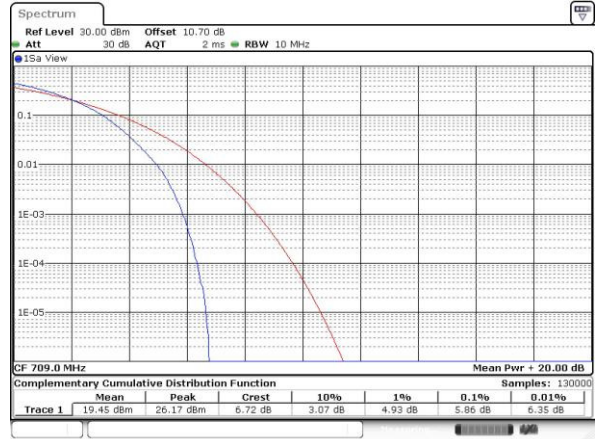


LTE Band 17 / 10MHz / 16QAM

Lowest Channel / 1RB



Lowest Channel / Full RB



Middle Channel/ 1RB



Middle Channel / Full RB



Highest Channel/ 1RB



Highest Channel / Full RB



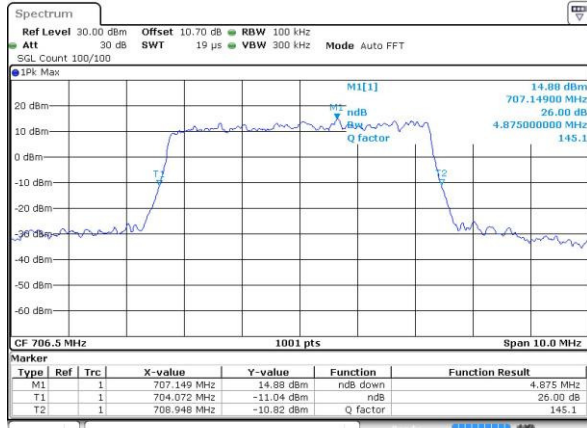
**26dB Bandwidth**

Mode	LTE Band 17 : 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	-	-	-	-	4.875	4.885	9.79	9.77	-	-	-	-
Middle CH	-	-	-	-	4.855	4.875	9.73	9.73	-	-	-	-
Highest CH	-	-	-	-	4.945	4.905	9.79	9.71	-	-	-	-



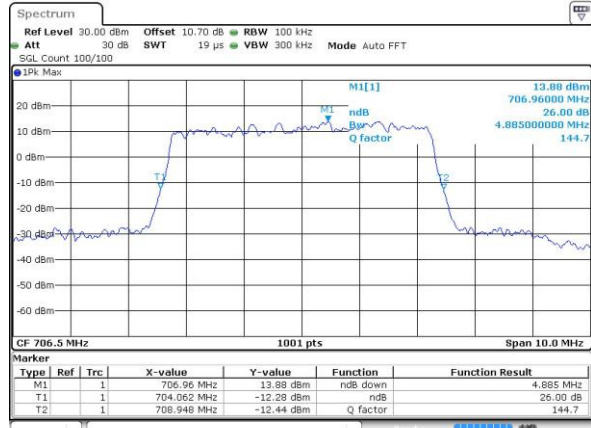
LTE Band 17

Lowest Channel / 5MHz / QPSK



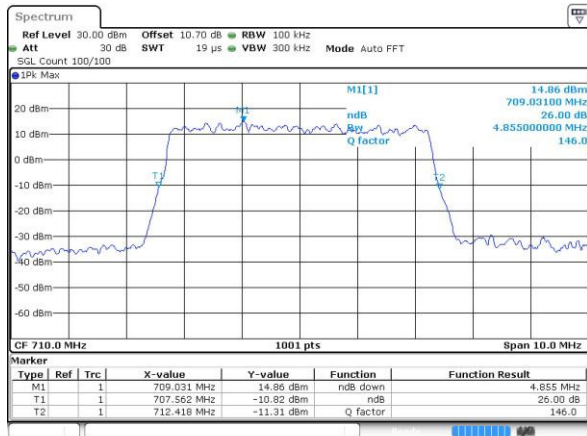
Date: 9 FEB 2017 01:17:56

Lowest Channel / 5MHz / 16QAM



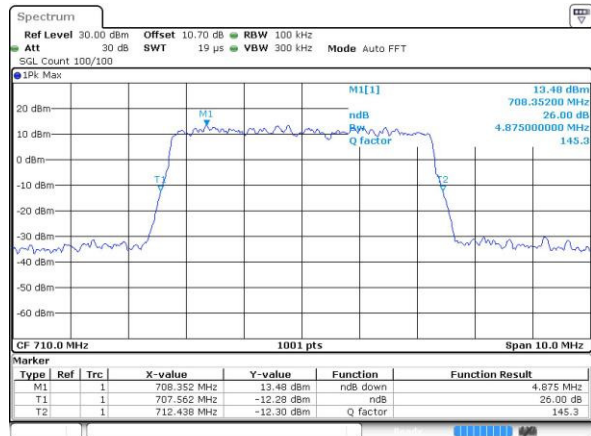
Date: 9 FEB 2017 01:18:07

Middle Channel / 5MHz / QPSK



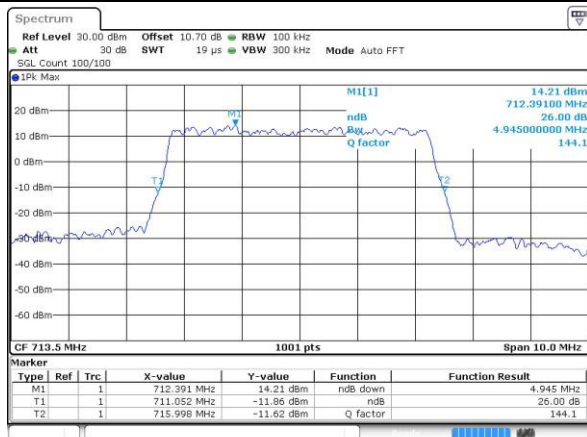
Date: 9 FEB 2017 01:25:03

Middle Channel / 5MHz / 16QAM



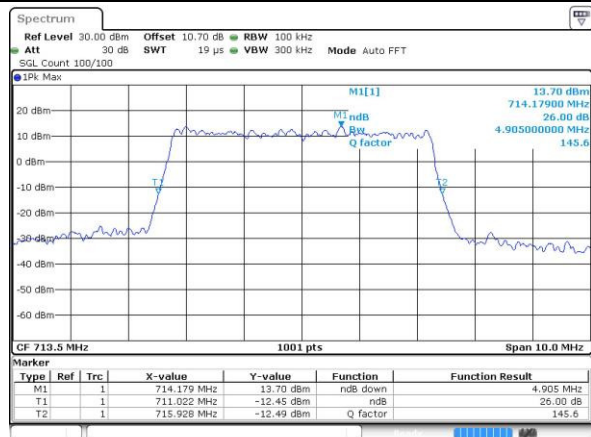
Date: 9 FEB 2017 01:25:13

Highest Channel / 5MHz / QPSK



Date: 9 FEB 2017 01:27:33

Highest Channel / 5MHz / 16QAM



Date: 9 FEB 2017 01:27:43