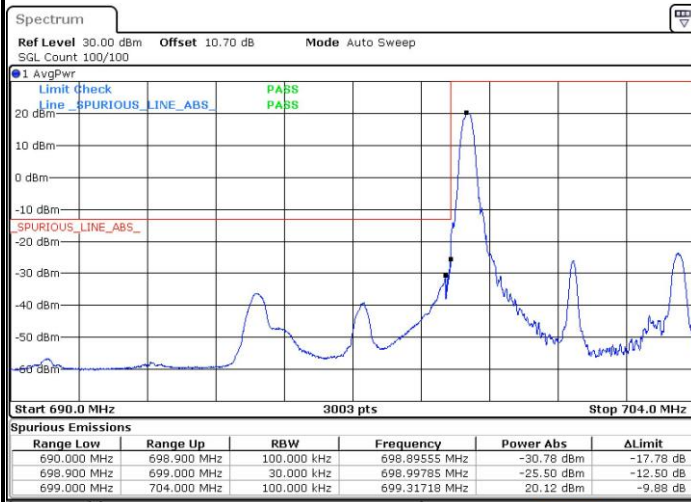


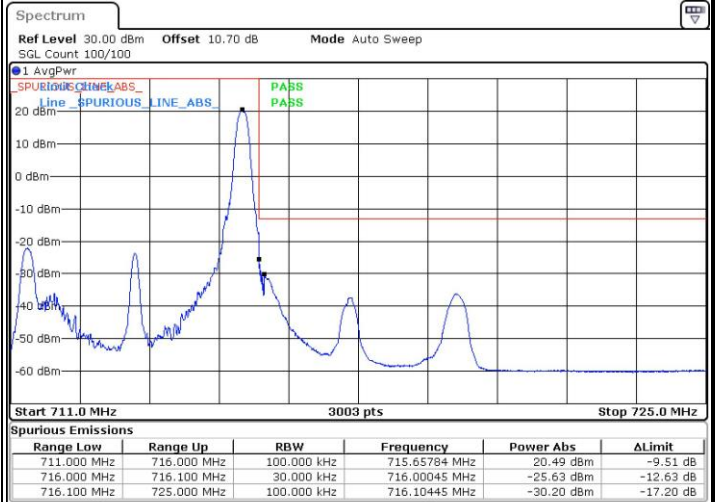


LTE Band 12 / 5MHz / QPSK

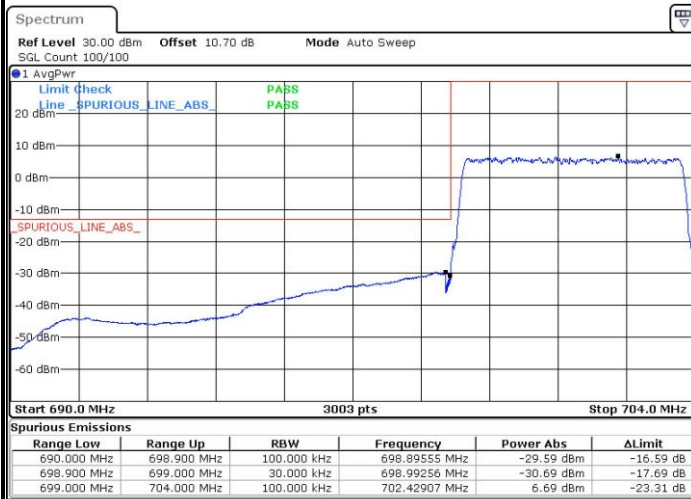
Lowest Band Edge / 1 RB



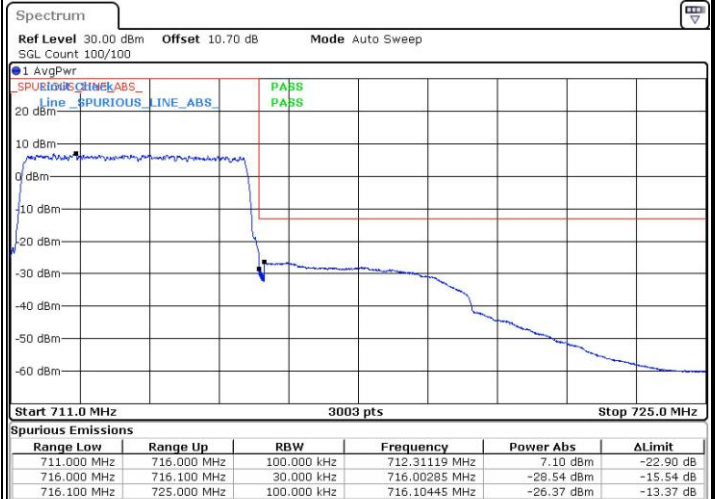
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



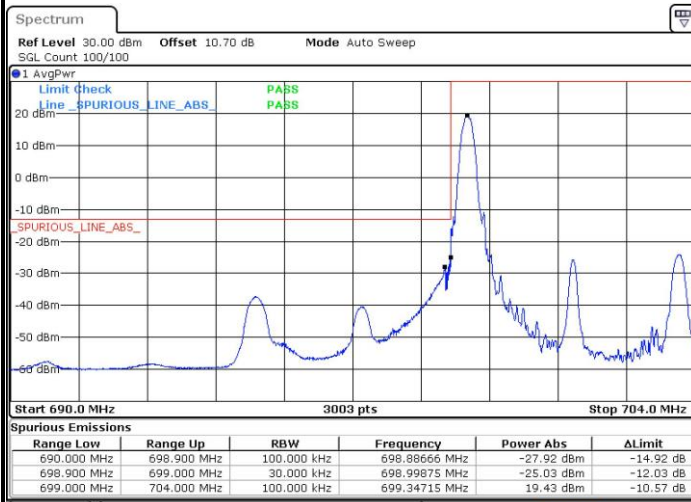
Highest Band Edge / Full RB



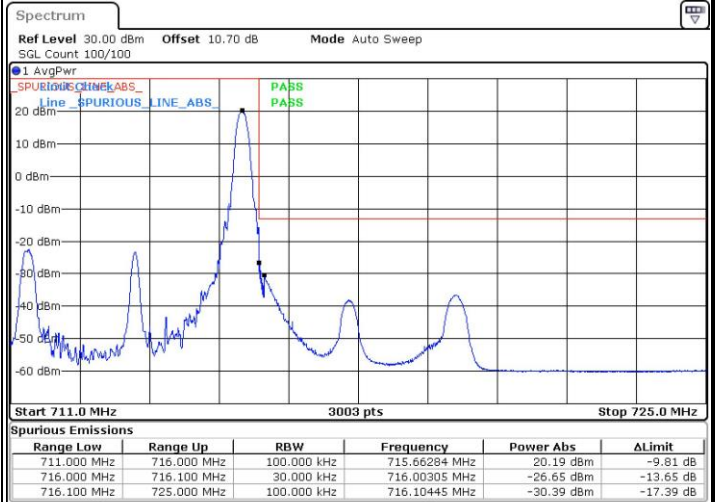


LTE Band 12 / 5MHz / 16QAM

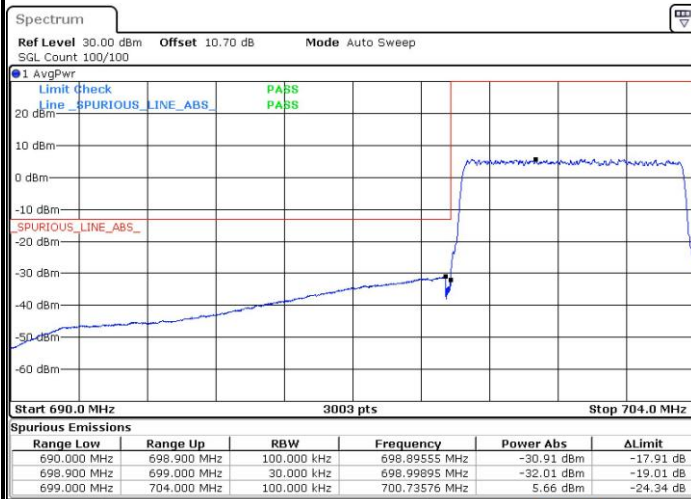
Lowest Band Edge / 1RB



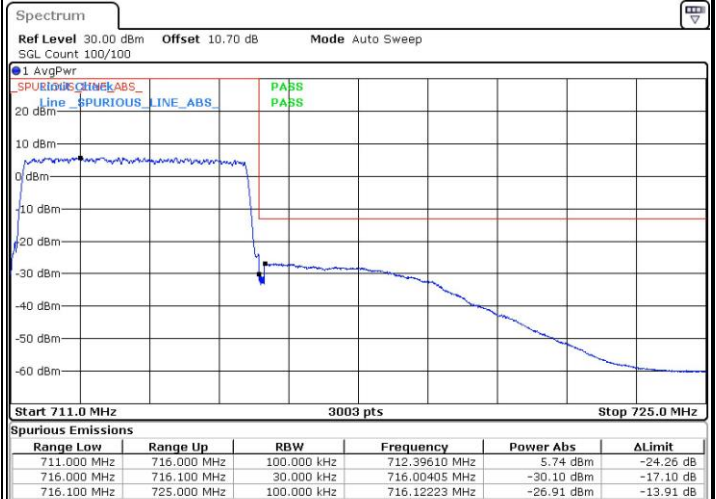
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



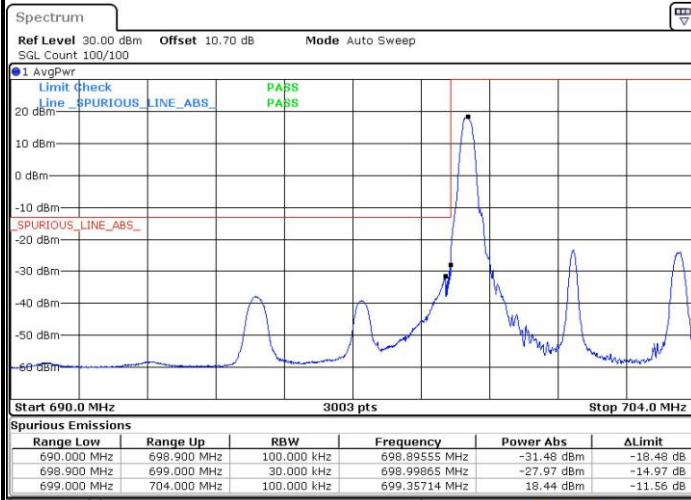
Highest Band Edge / Full RB



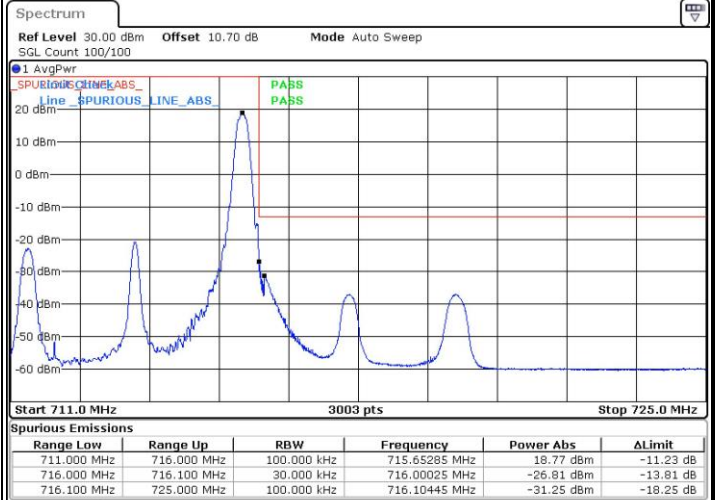


LTE Band 12 / 5MHz / 64QAM

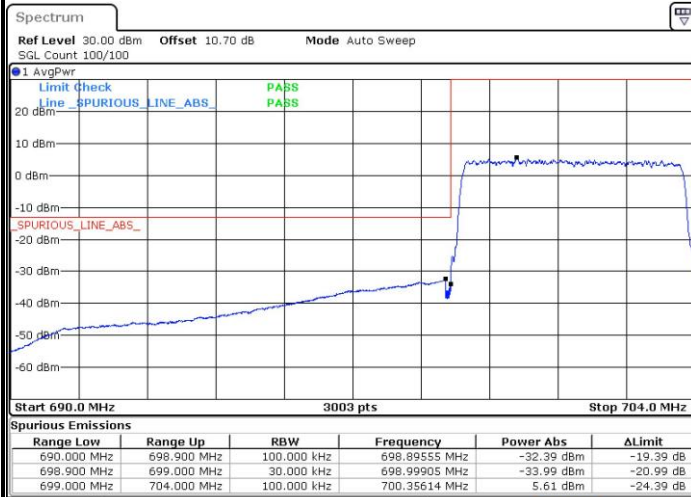
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



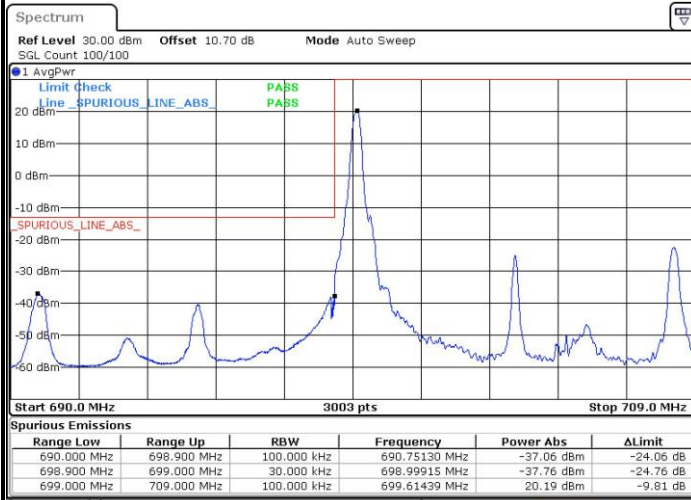
Highest Band Edge / Full RB



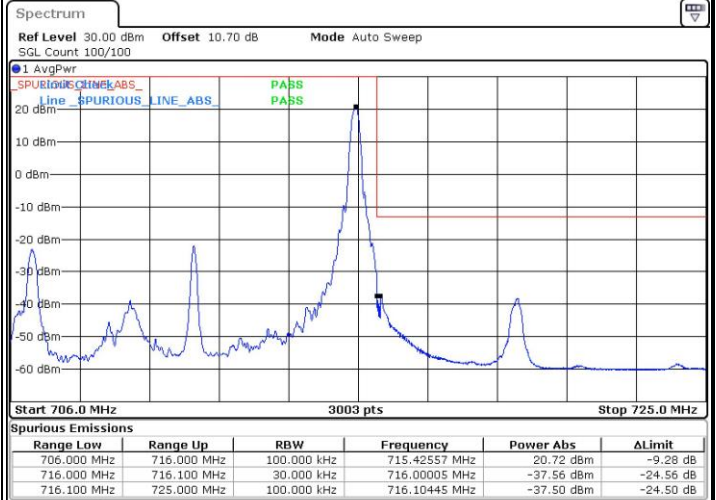


LTE Band 12 / 10MHz / QPSK

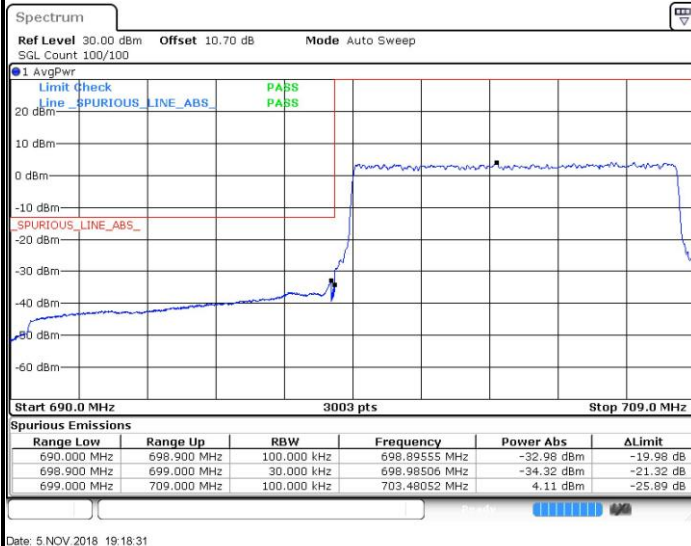
Lowest Band Edge / 1 RB



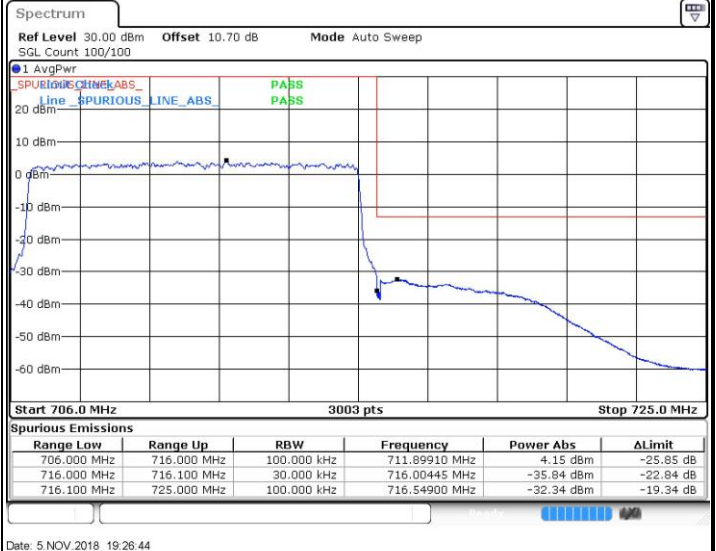
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



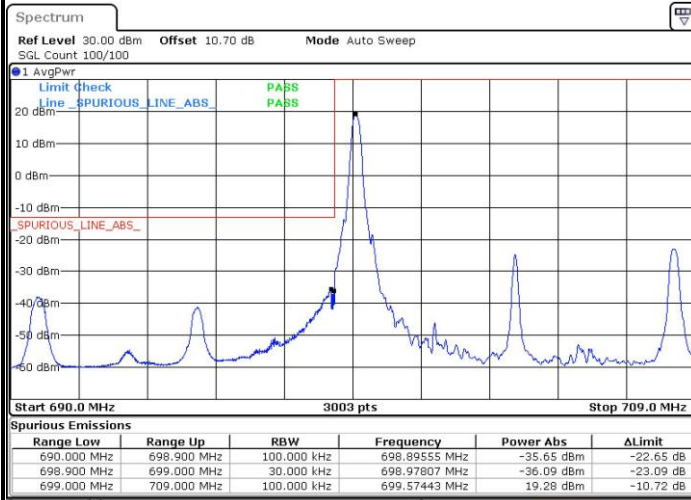
Highest Band Edge / Full RB



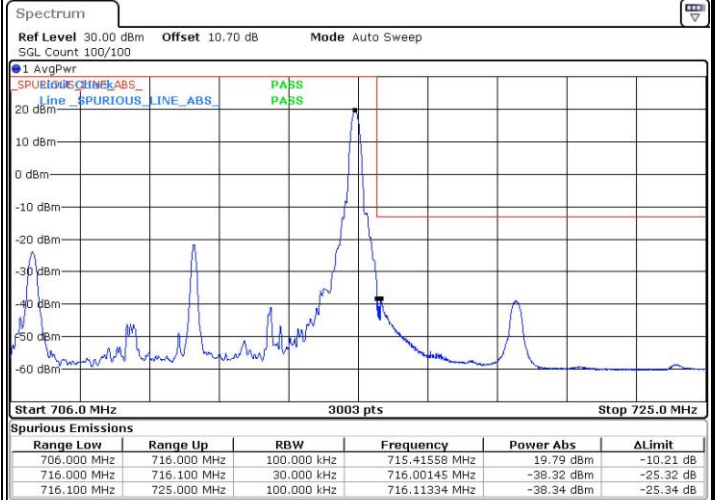


LTE Band 12 / 10MHz / 16QAM

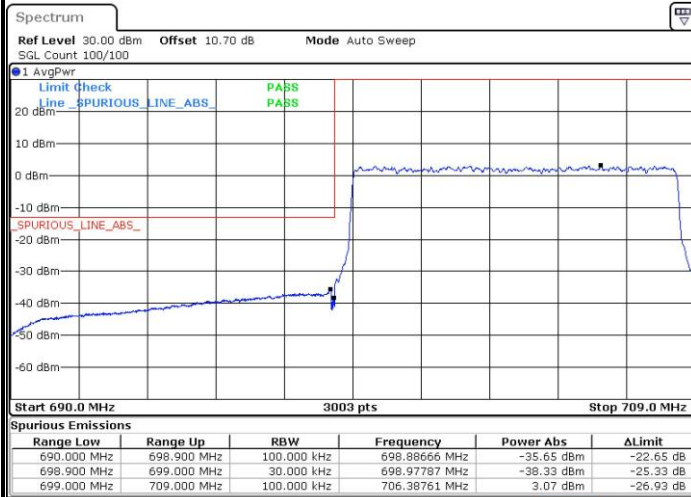
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



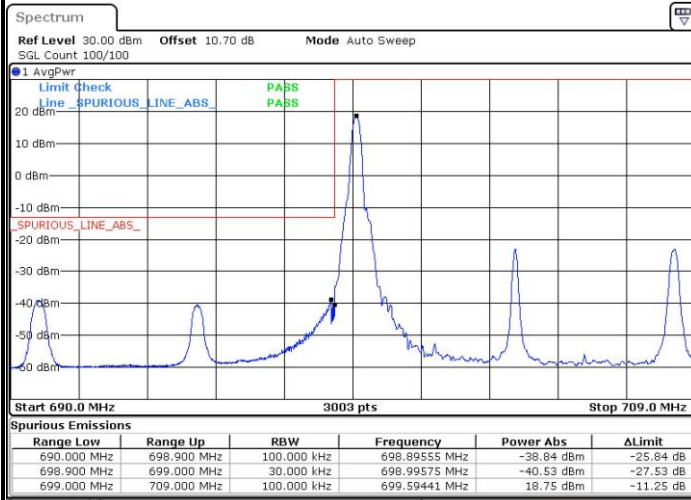
Highest Band Edge / Full RB



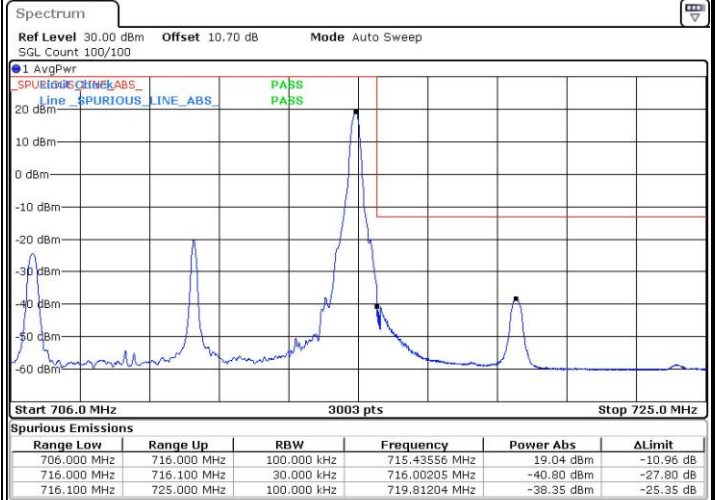


LTE Band 12 / 10MHz / 64QAM

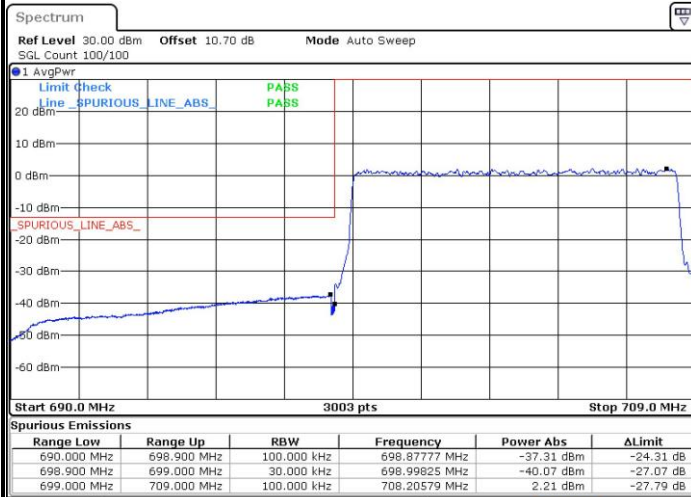
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



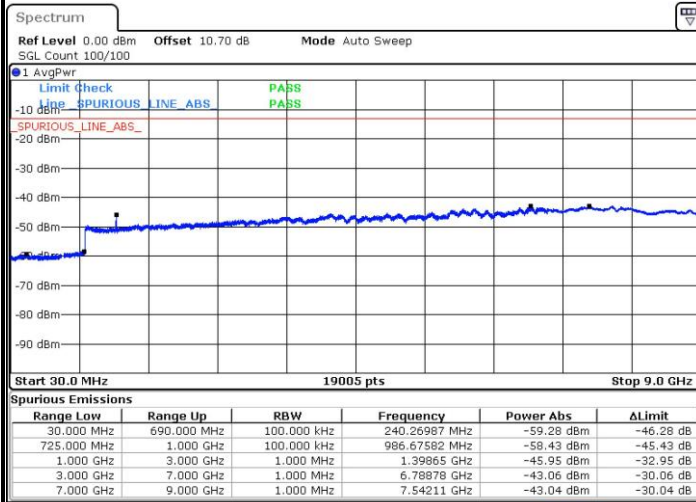


Conducted Spurious Emission



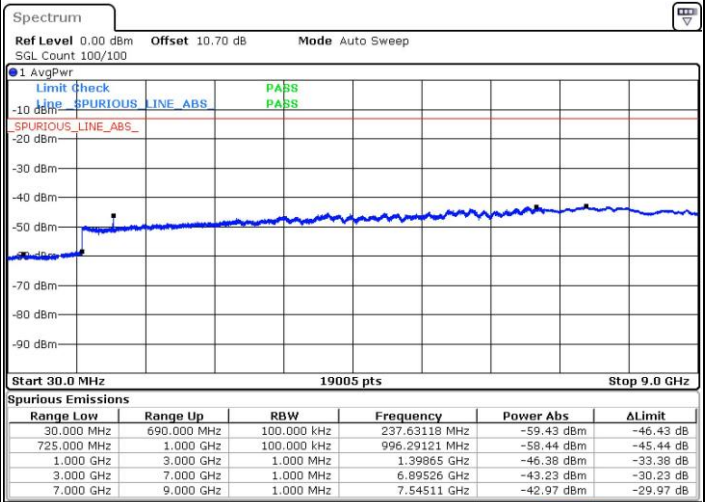
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



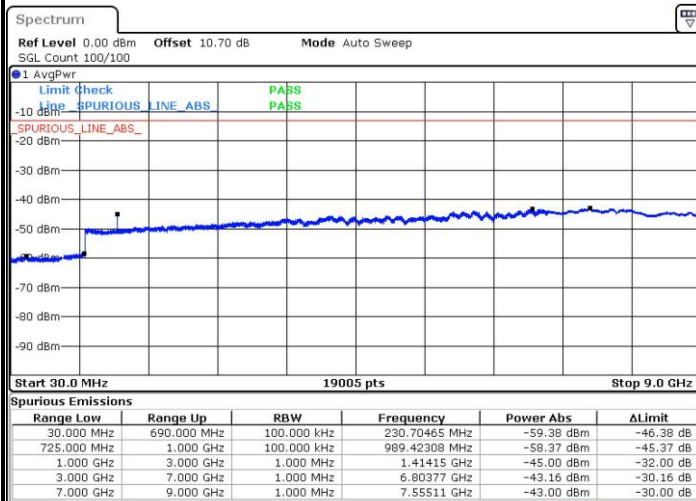
Date: 5.NOV.2018 19:36:31

Lowest Channel / 16QAM



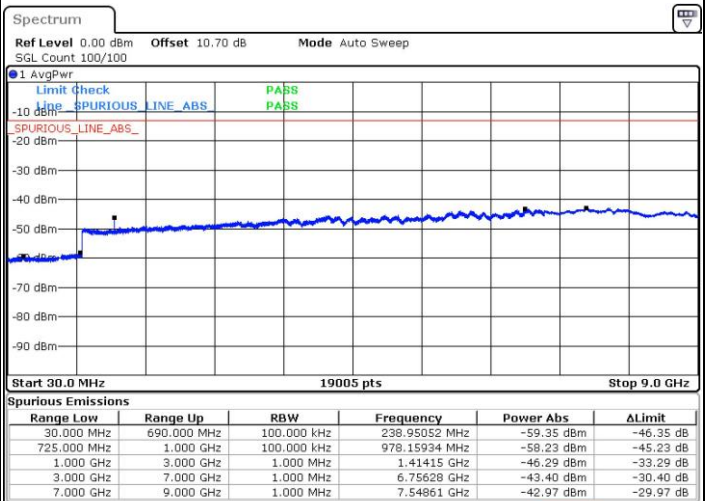
Date: 5.NOV.2018 19:37:11

Middle Channel / QPSK



Date: 5.NOV.2018 19:39:18

Middle Channel / 16QAM

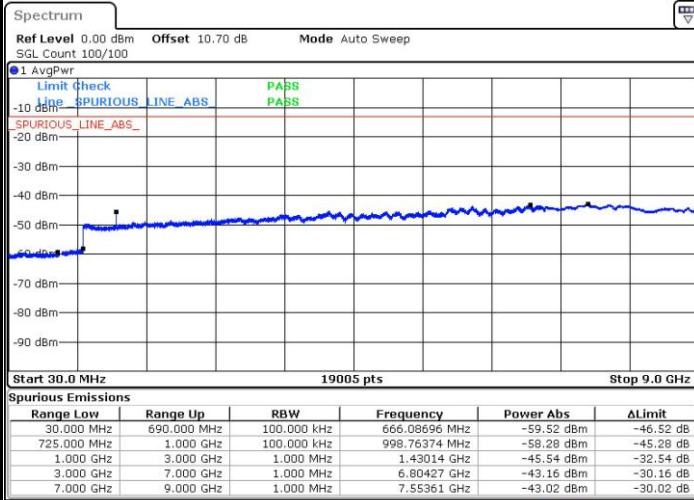


Date: 5.NOV.2018 19:38:37



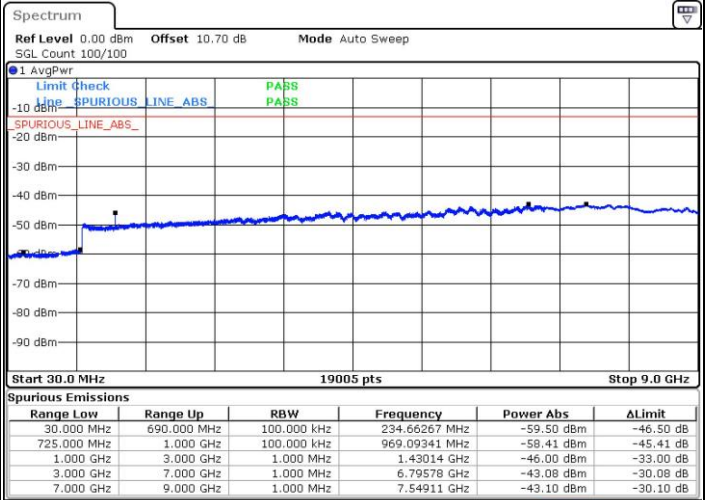
LTE Band 12 / 1.4MHz

Highest Channel / QPSK



Date: 5.NOV.2018 19:44:44

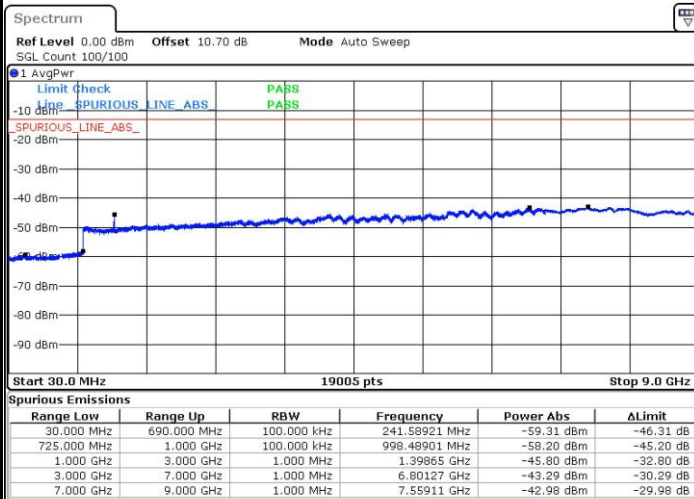
Highest Channel / 16QAM



Date: 5.NOV.2018 19:45:24

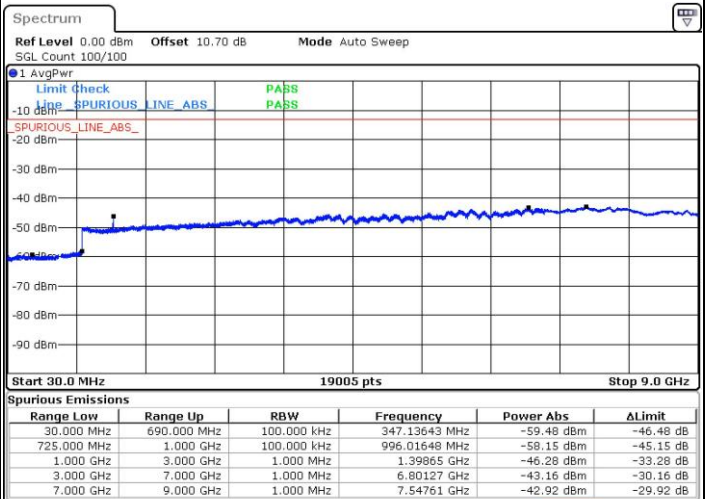
LTE Band 12 / 3MHz

Lowest Channel / QPSK



Date: 5.NOV.2018 18:53:34

Lowest Channel / 16QAM

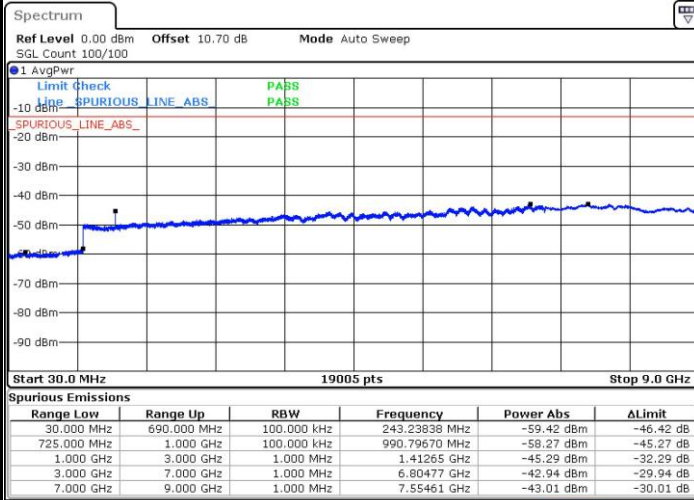


Date: 5.NOV.2018 18:54:14



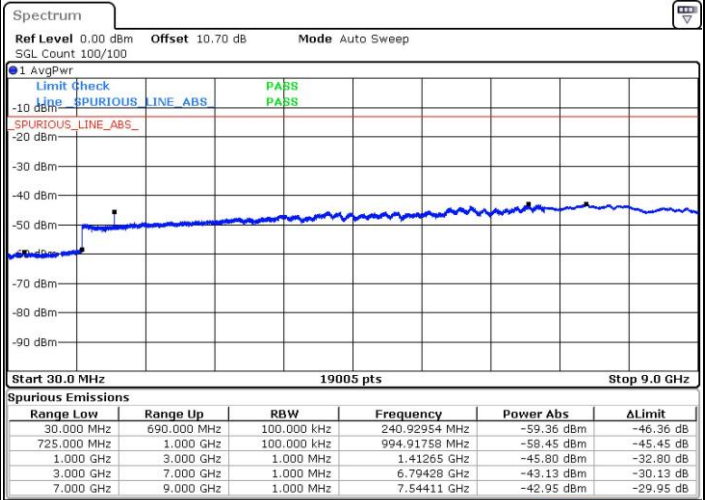
LTE Band 12 / 3MHz

Middle Channel / QPSK



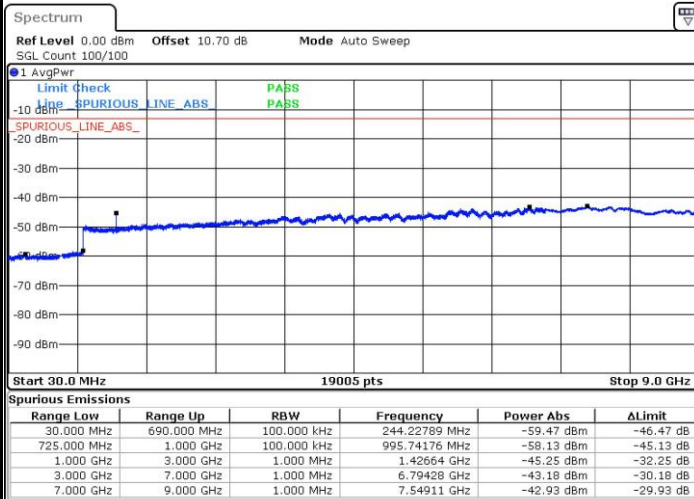
Date: 5.NOV.2018 18:58:20

Middle Channel / 16QAM



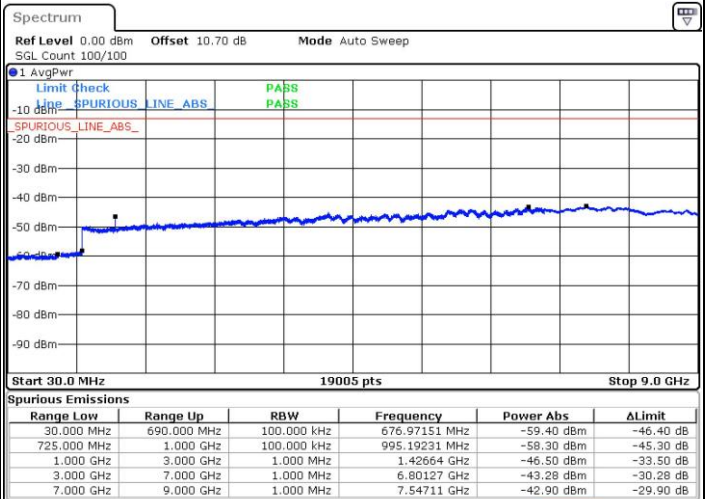
Date: 5.NOV.2018 18:55:40

Highest Channel / QPSK



Date: 5.NOV.2018 19:01:46

Highest Channel / 16QAM

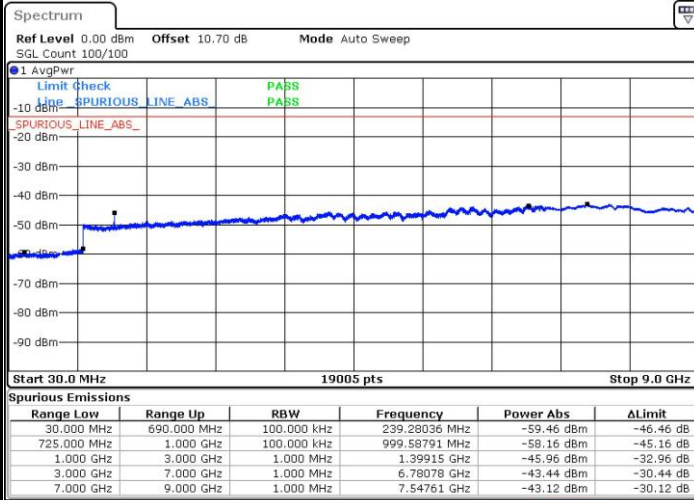


Date: 5.NOV.2018 19:02:26



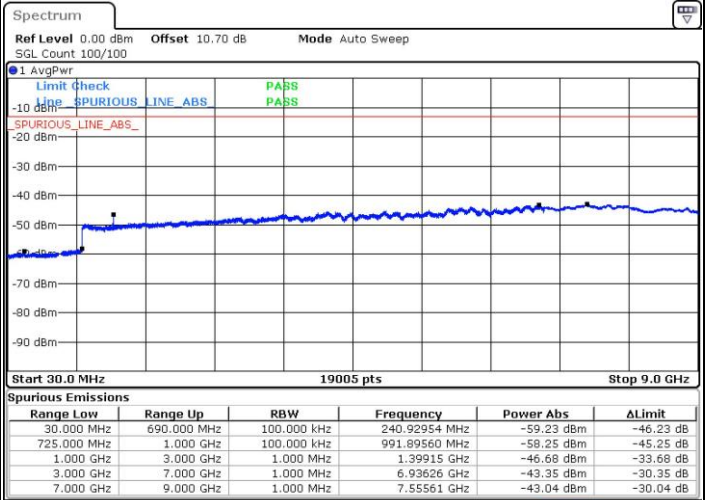
LTE Band 12 / 5MHz

Lowest Channel / QPSK



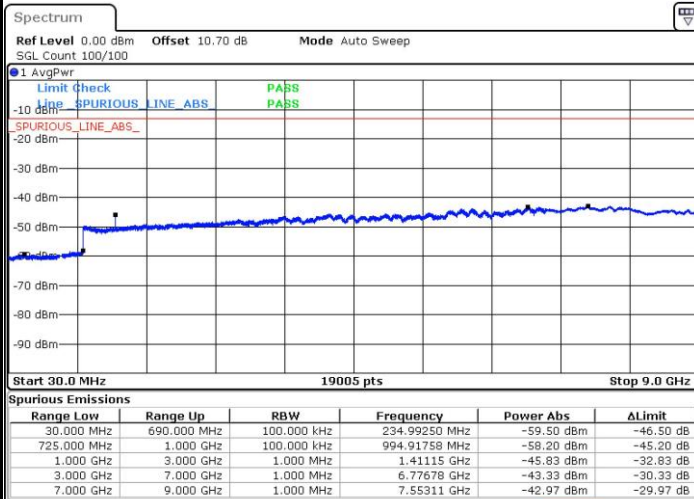
Date: 5.NOV.2018 19:07:53

Lowest Channel / 16QAM



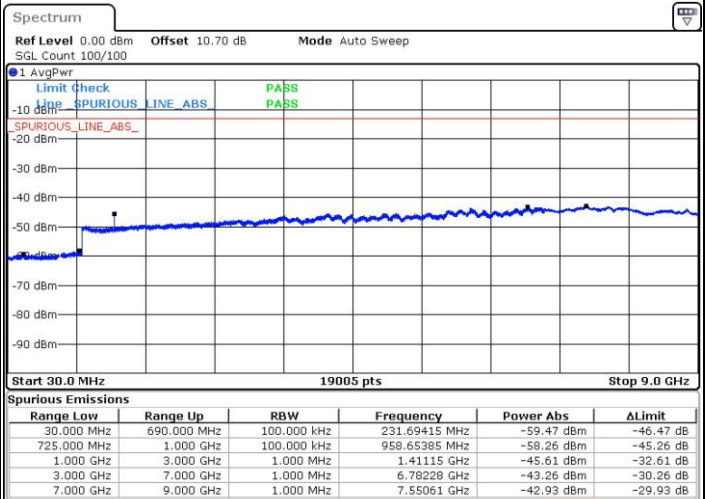
Date: 5.NOV.2018 19:08:33

Middle Channel / QPSK



Date: 5.NOV.2018 19:10:39

Middle Channel / 16QAM

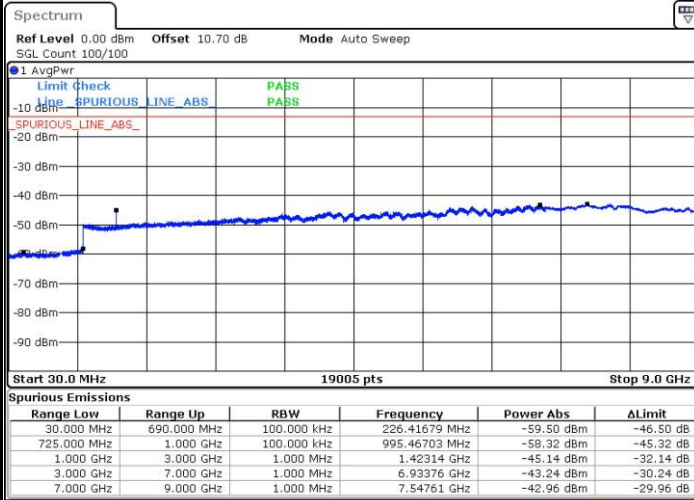


Date: 5.NOV.2018 19:09:59



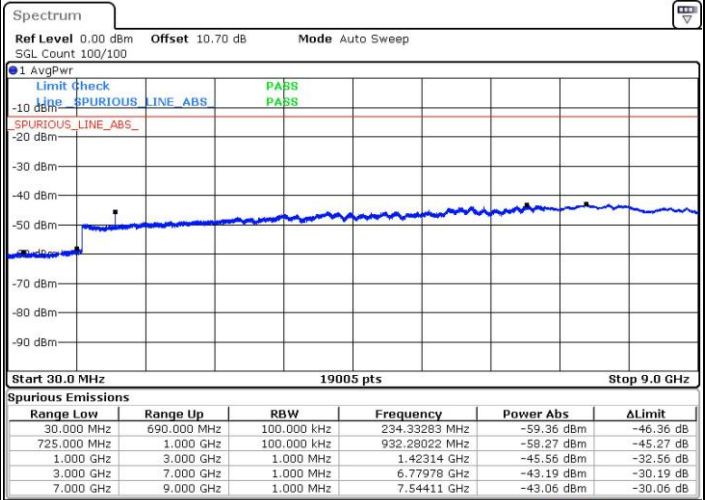
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 5.NOV.2018 19:16:45

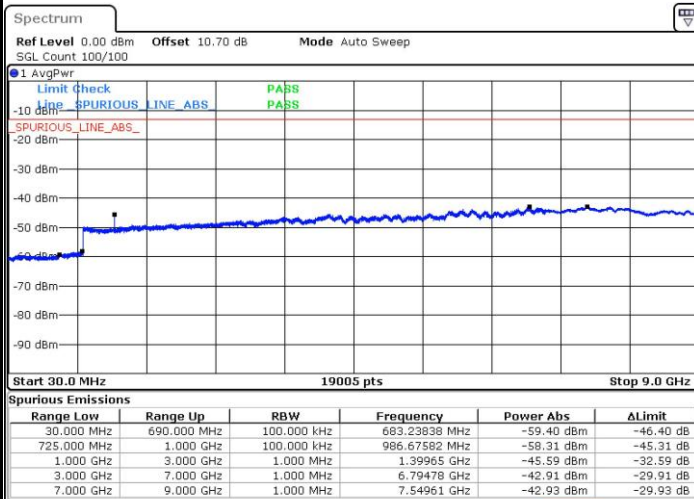
Highest Channel / 16QAM



Date: 5.NOV.2018 19:16:05

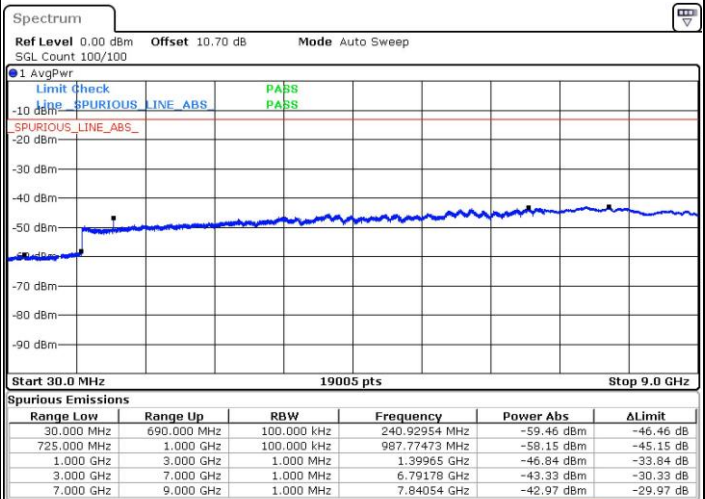
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 5.NOV.2018 19:22:12

Lowest Channel / 16QAM

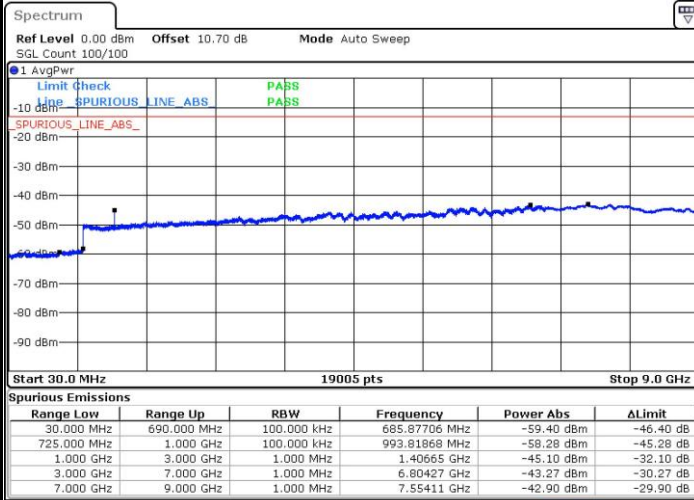


Date: 5.NOV.2018 19:22:52



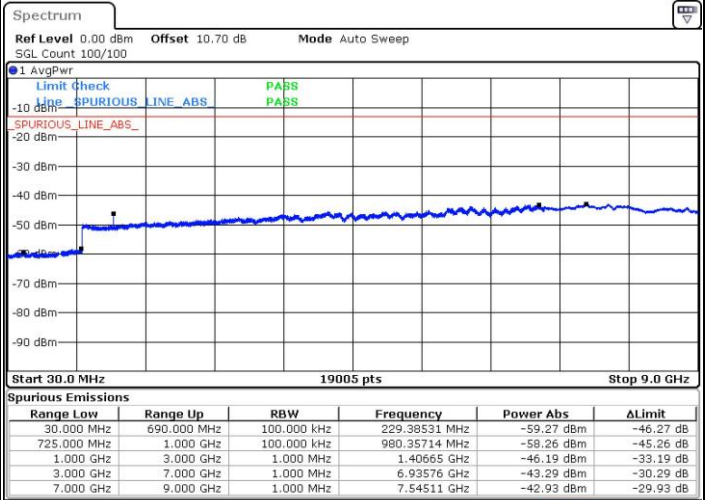
LTE Band 12 / 10MHz

Middle Channel / QPSK



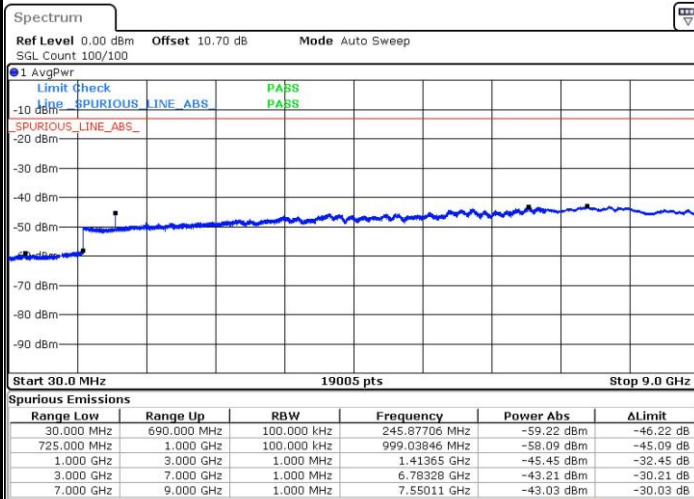
Date: 5.NOV.2018 19:24:58

Middle Channel / 16QAM



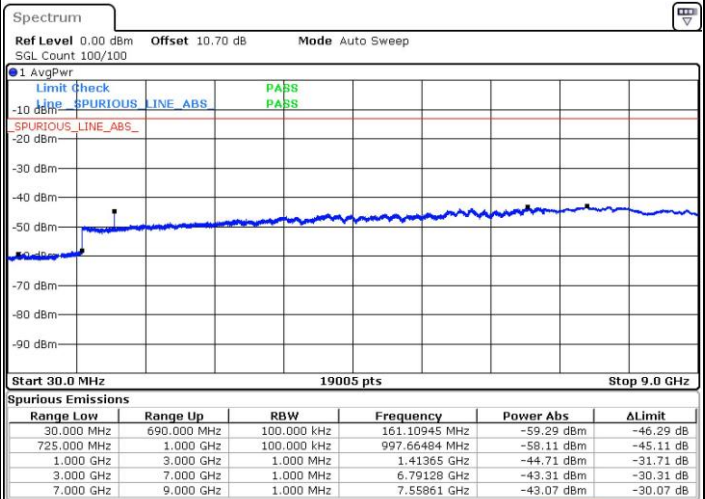
Date: 5.NOV.2018 19:24:18

Highest Channel / QPSK



Date: 5.NOV.2018 19:30:25

Highest Channel / 16QAM

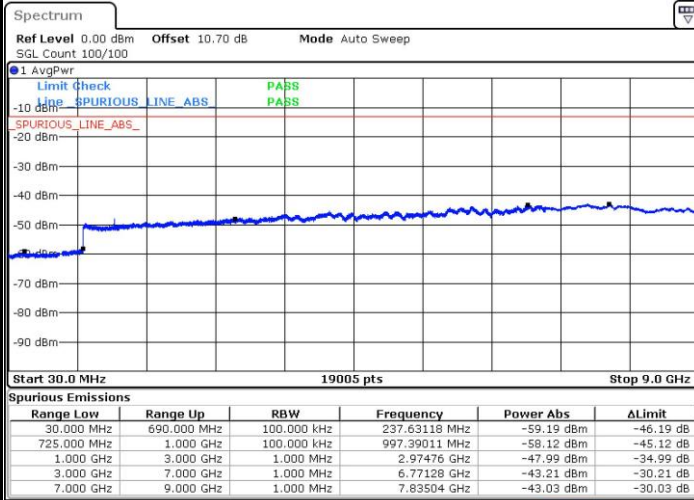


Date: 5.NOV.2018 19:31:05



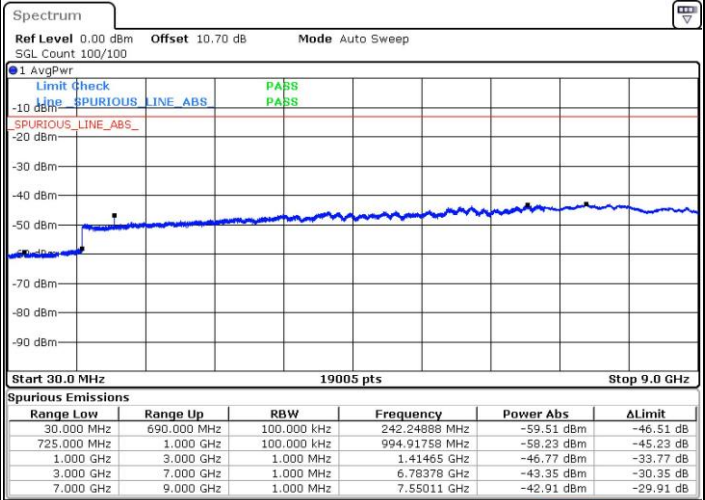
LTE Band 12 / 1.4MHz

Lowest Channel / 64QAM



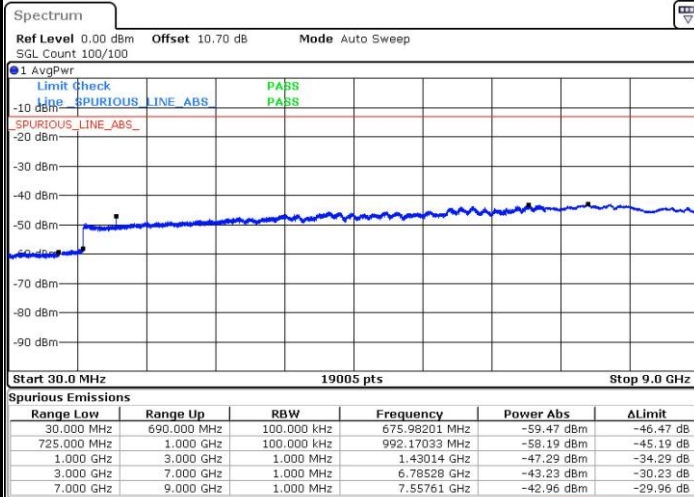
Date: 5.NOV.2018 21:00:48

Middle Channel / 64QAM



Date: 5.NOV.2018 21:01:51

Highest Channel / 64QAM

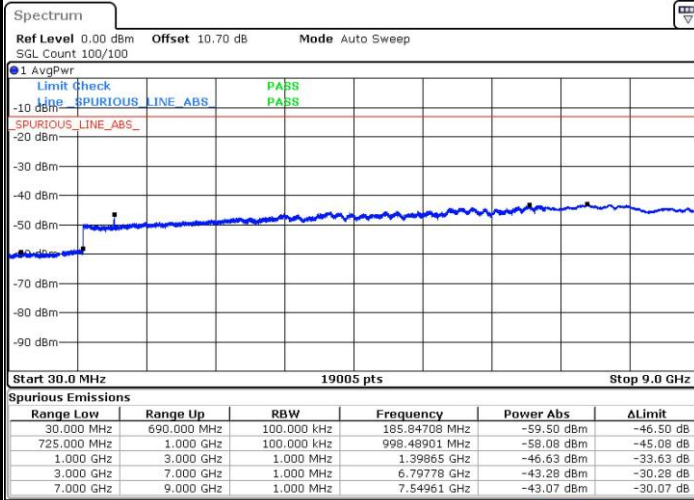


Date: 5.NOV.2018 21:04:54



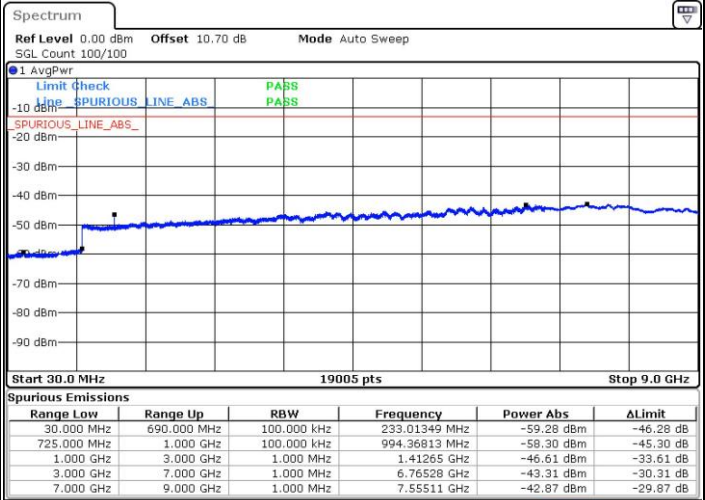
LTE Band 12 / 3MHz

Lowest Channel / 64QAM



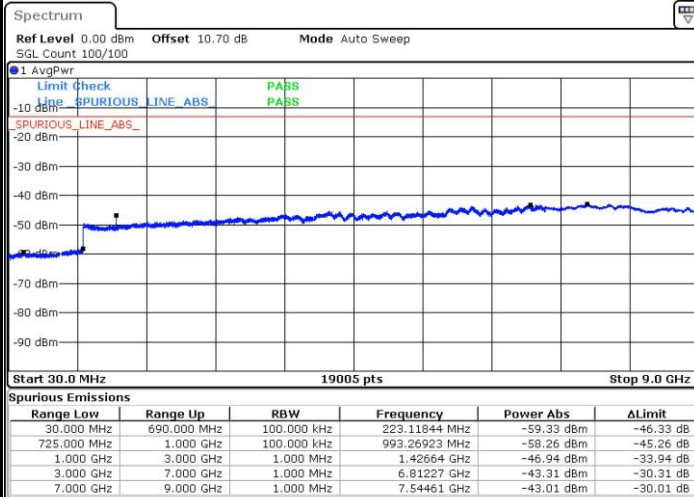
Date: 5.NOV.2018 20:31:09

Middle Channel / 64QAM



Date: 5.NOV.2018 20:32:12

Highest Channel / 64QAM

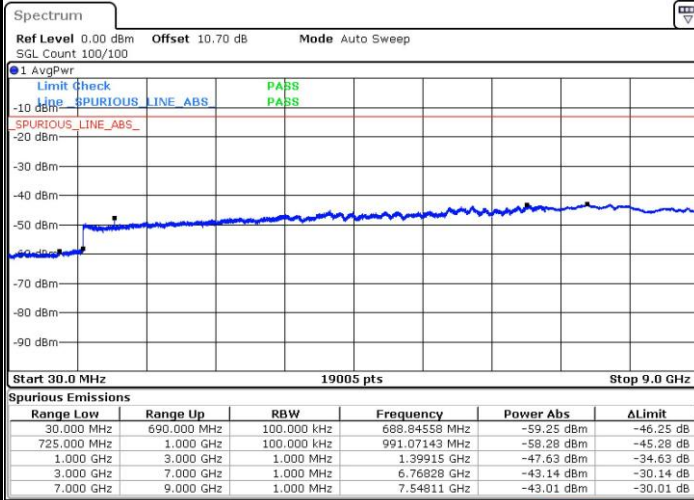


Date: 5.NOV.2018 20:35:15



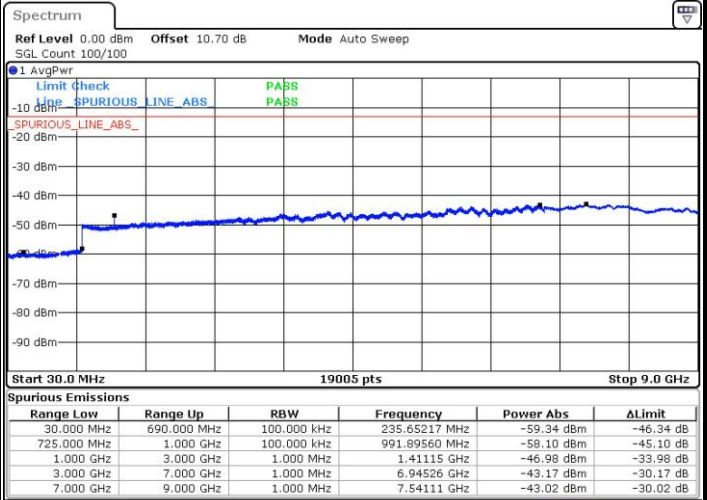
LTE Band 12 / 5MHz

Lowest Channel / 64QAM



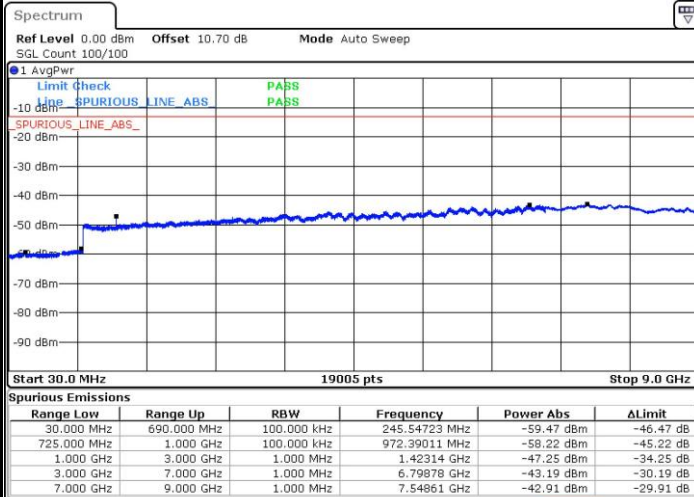
Date: 5.NOV.2018 20:38:18

Middle Channel / 64QAM



Date: 5.NOV.2018 20:39:21

Highest Channel / 64QAM

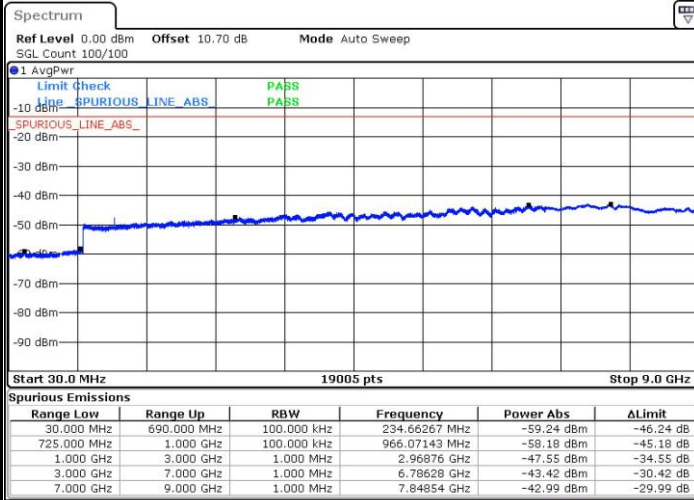


Date: 5.NOV.2018 20:42:25



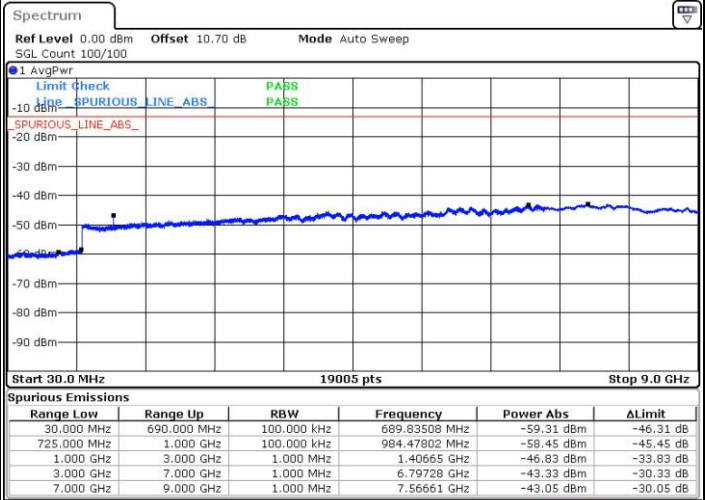
LTE Band 12 / 10MHz

Lowest Channel / 64QAM



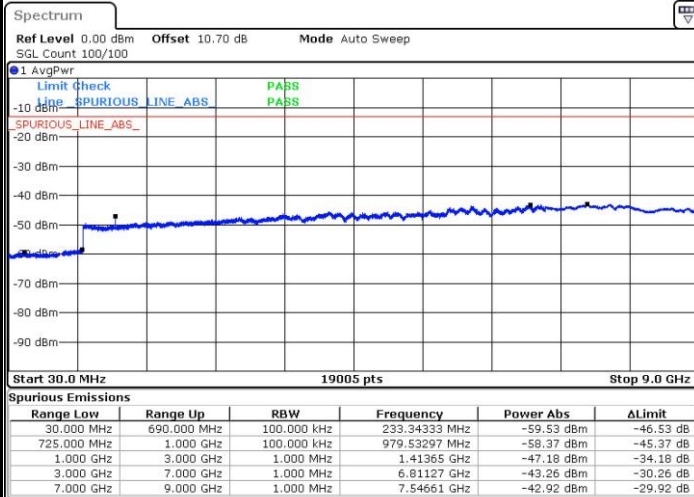
Date: 5 NOV. 2018 20:45:28

Middle Channel / 64QAM



Date: 5 NOV. 2018 20:46:31

Highest Channel / 64QAM



Date: 5 NOV. 2018 20:49:35

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	0.0052	PASS
40	Normal Voltage	0.0035	
30	Normal Voltage	0.0030	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0047	
-10	Normal Voltage	0.0033	
-20	Normal Voltage	0.0058	
-30	Normal Voltage	0.0051	
20	Maximum Voltage	0.0069	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0048	

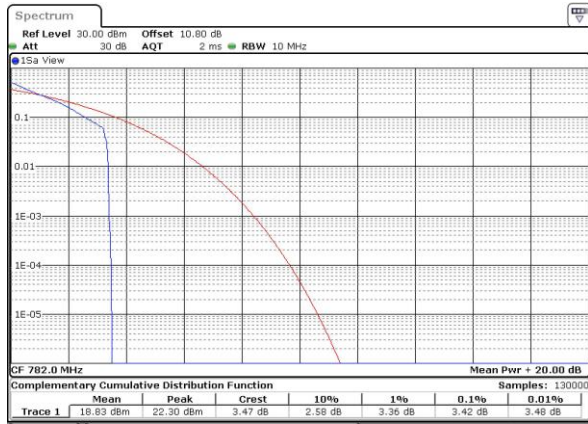
Note:

1. Normal Voltage =3.9 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

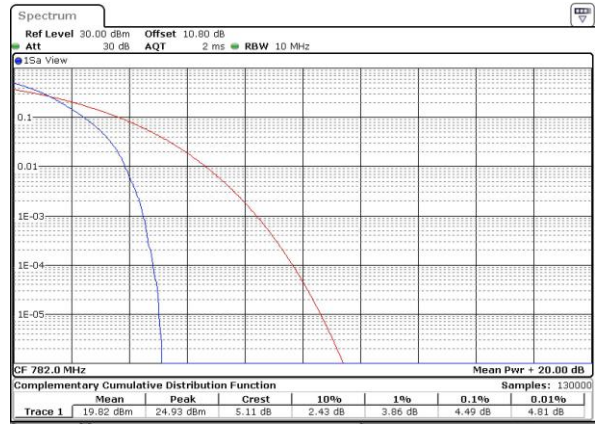
LTE Band 13

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	3.42	4.49	4.46	5.88	
Highest CH	-	-	-	-	
Mode	LTE Band 13 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	-	-	-	-	PASS
Middle CH	5.25	6.38	-	-	
Highest CH	-	-	-	-	

LTE Band 13 / 10MHz / QPSK
Middle Channel / 1RB


Date: 7.NOV.2018 20:26:42

Middle Channel / Full RB


Date: 7.NOV.2018 20:26:53

LTE Band 13 / 10MHz / 16QAM
Middle Channel / 1RB


Date: 7.NOV.2018 20:26:22

Middle Channel / Full RB


Date: 7.NOV.2018 20:26:32

LTE Band 13 / 10MHz / 64QAM
Middle Channel / 1RB


Date: 7.NOV.2018 20:23:33

Middle Channel / Full RB


Date: 7.NOV.2018 20:26:12