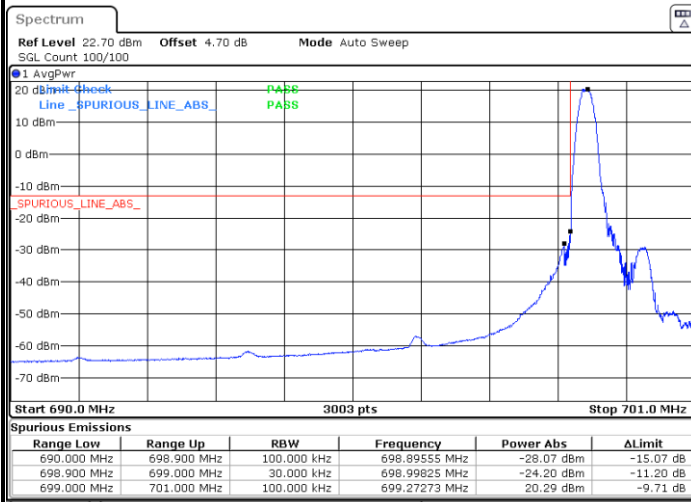


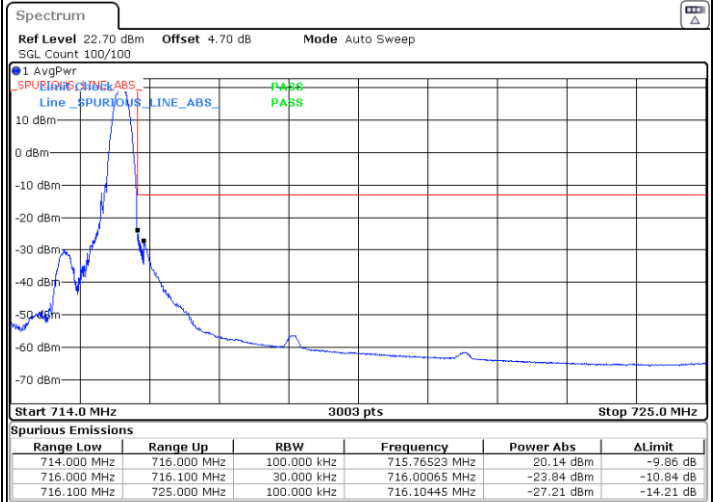


LTE Band 12 / 1.4MHz / 16QAM

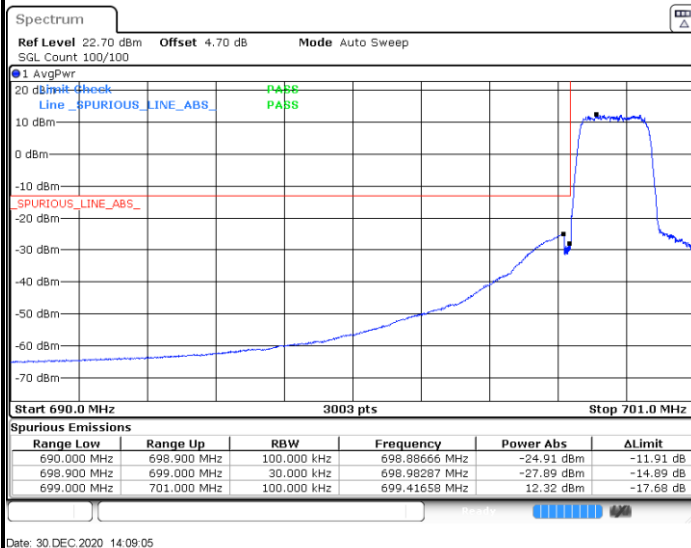
Lowest Band Edge / 1 RB



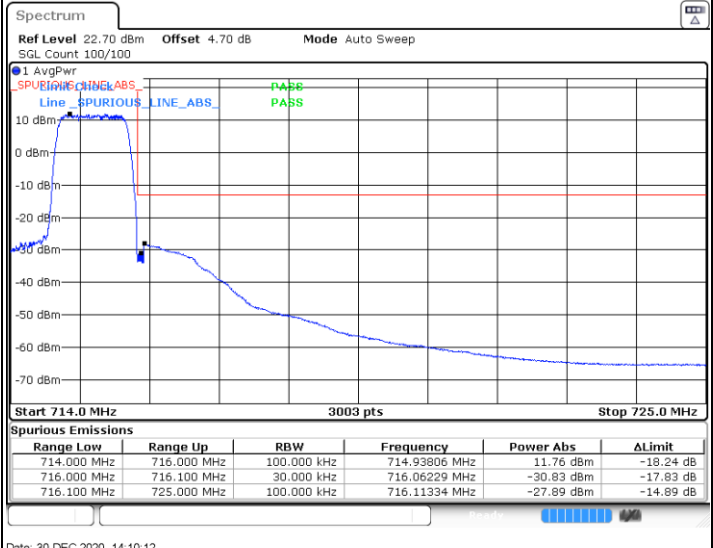
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



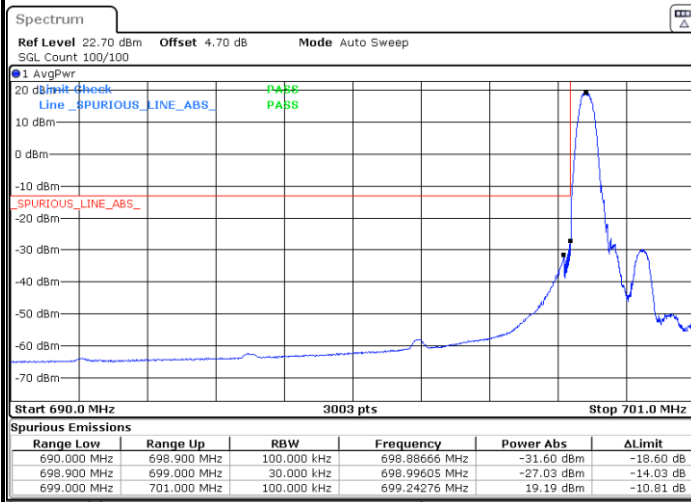
Highest Band Edge / Full RB





LTE Band 12 / 1.4MHz / 64QAM

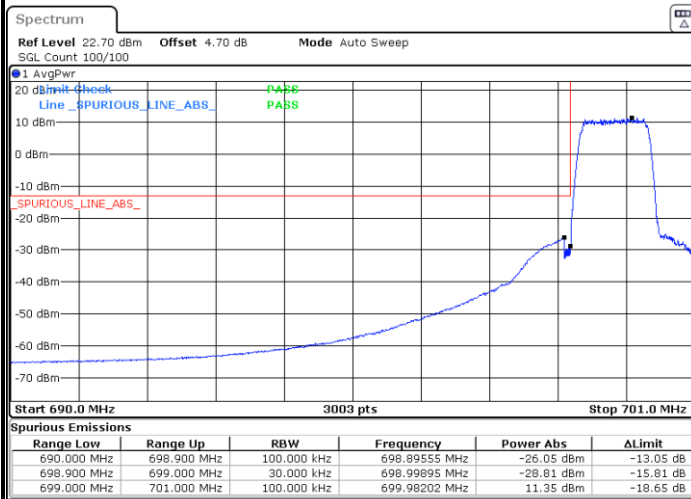
Lowest Band Edge / 1 RB



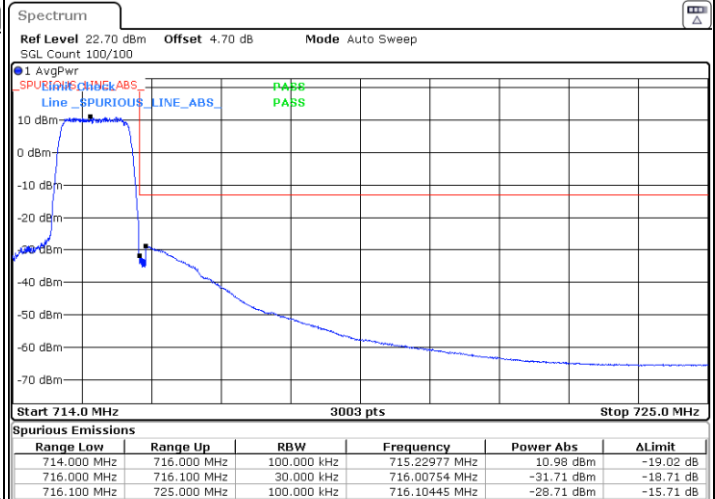
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



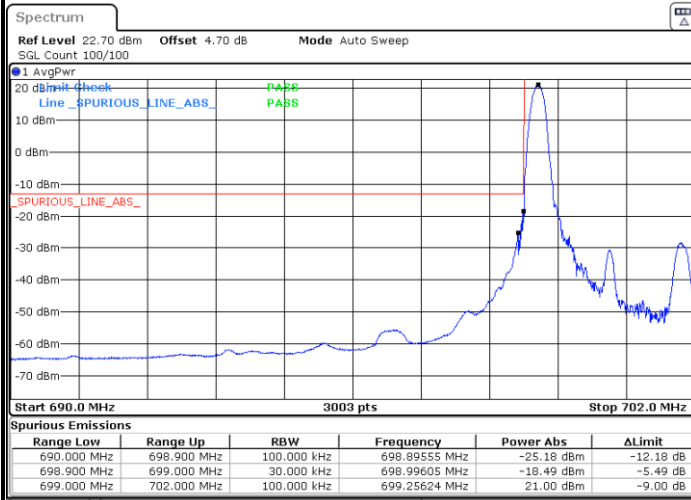
Highest Band Edge / Full RB



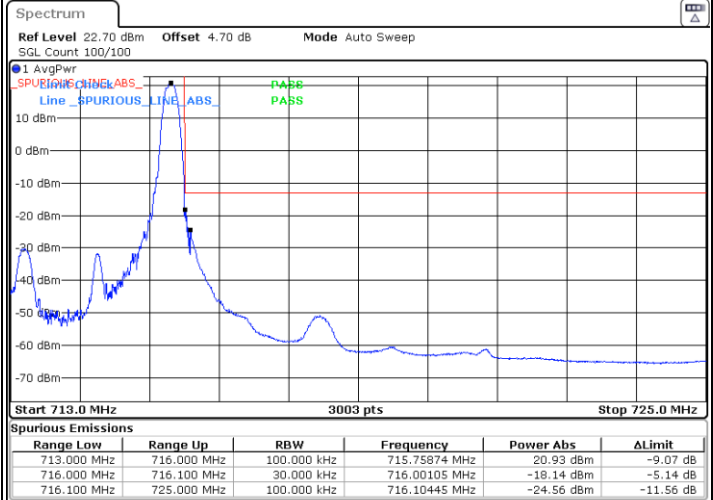


LTE Band 12 / 3MHz / QPSK

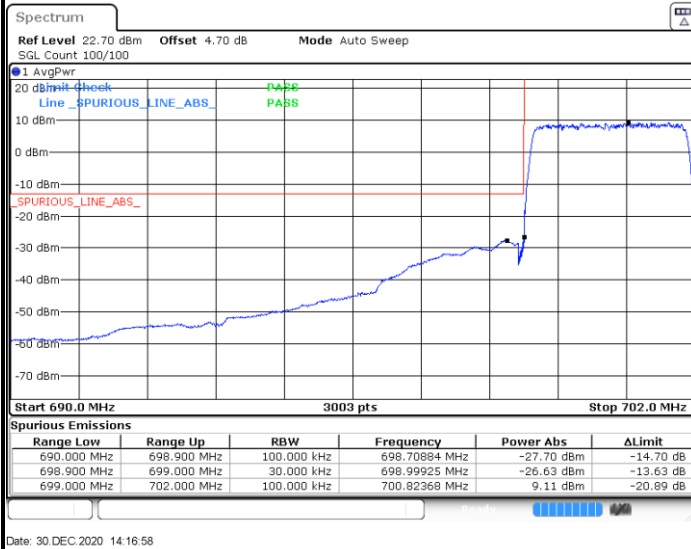
Lowest Band Edge / 1RB



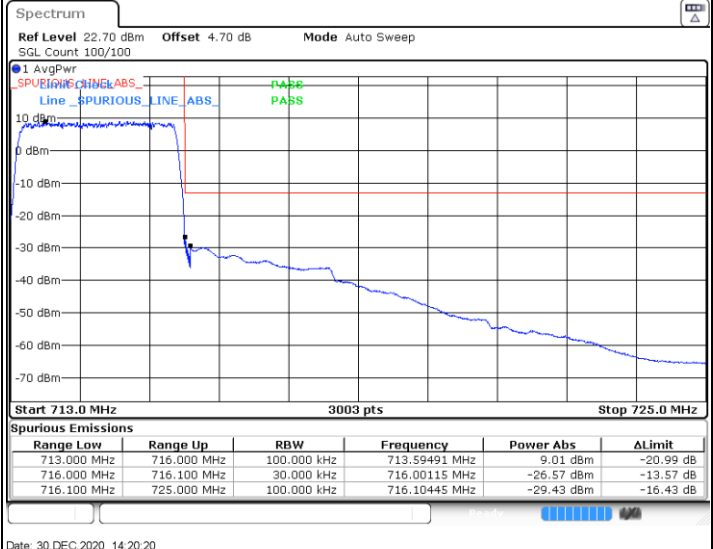
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



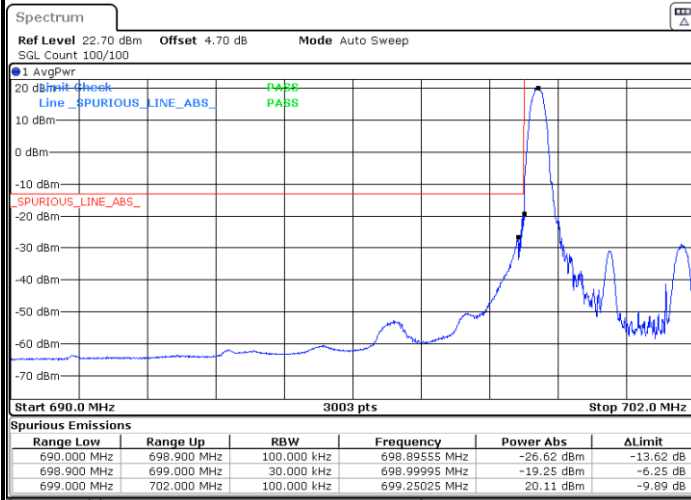
Highest Band Edge / Full RB



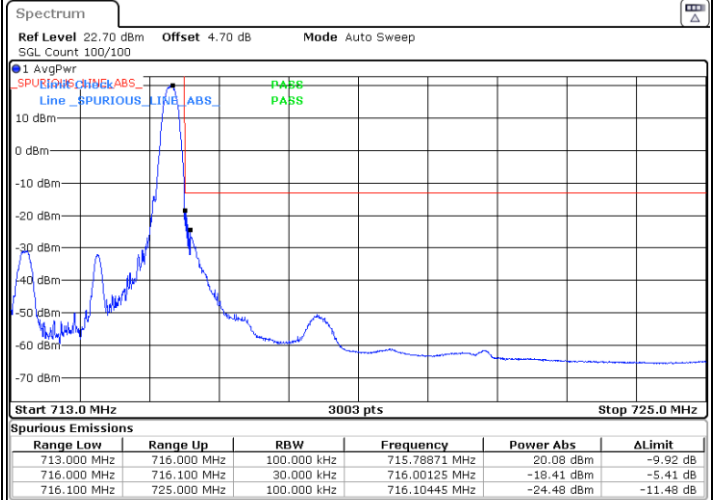


LTE Band 12 / 3MHz / 16QAM

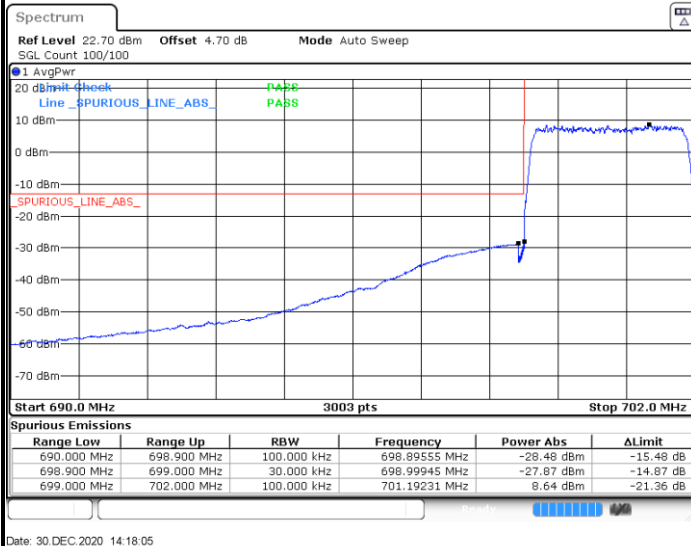
Lowest Band Edge / 1 RB



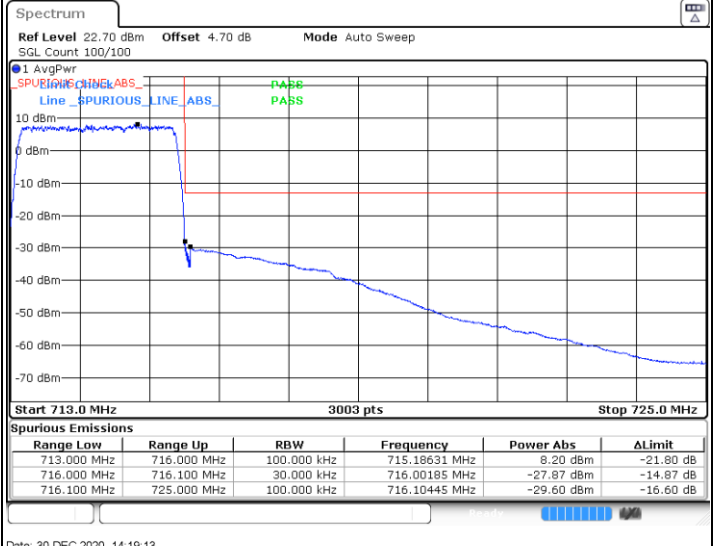
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



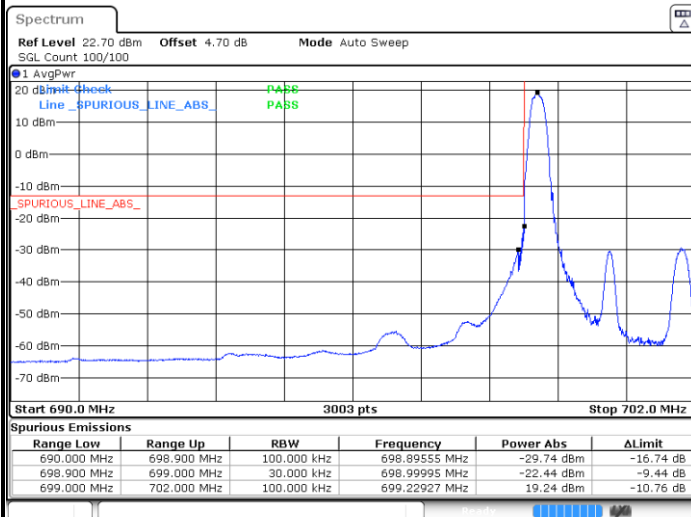
Highest Band Edge / Full RB



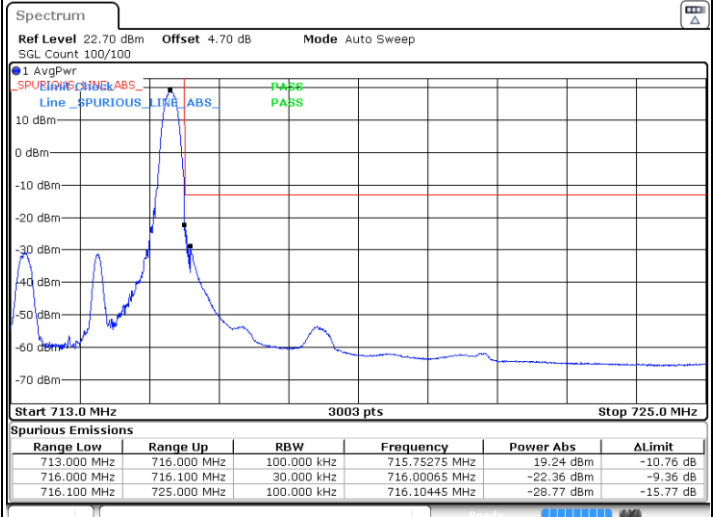


LTE Band 12 / 3MHz / 64QAM

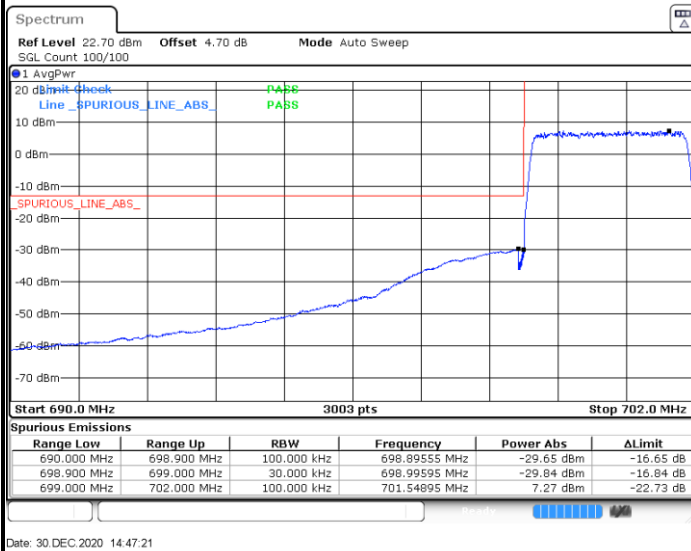
Lowest Band Edge / 1 RB



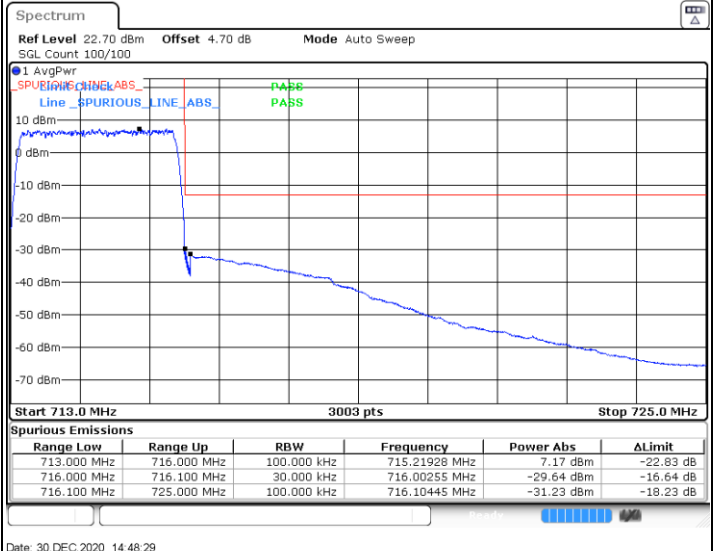
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



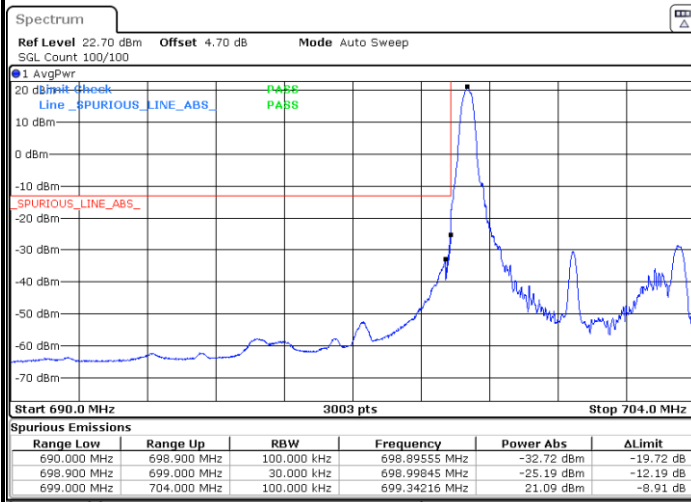
Highest Band Edge / Full RB



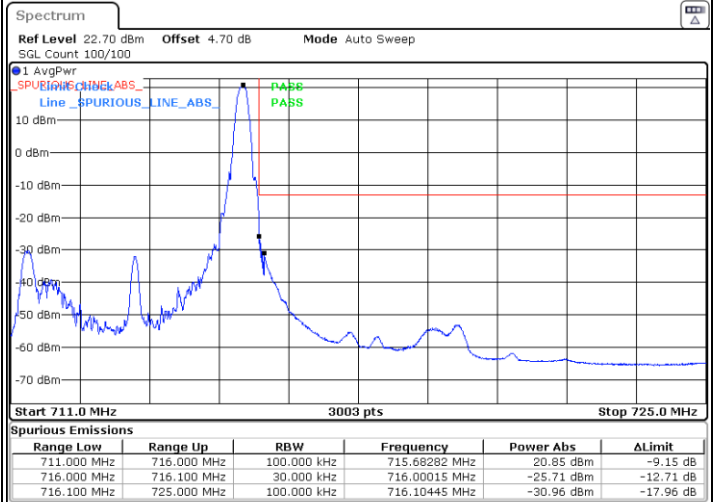


LTE Band 12 / 5MHz / QPSK

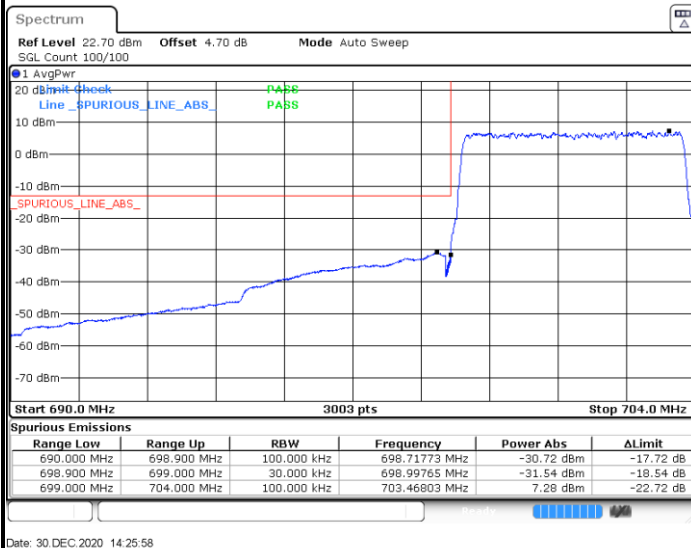
Lowest Band Edge / 1 RB



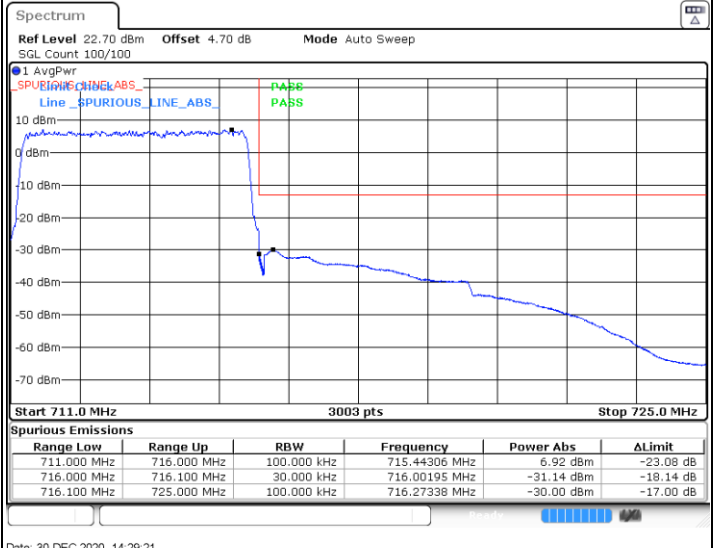
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



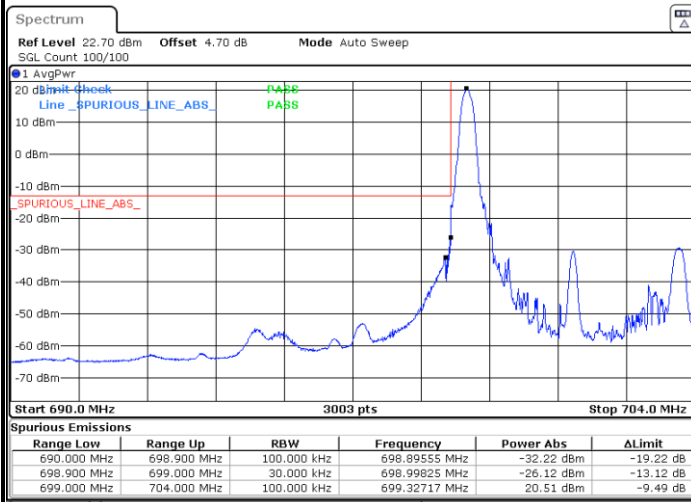
Highest Band Edge / Full RB





LTE Band 12 / 5MHz / 16QAM

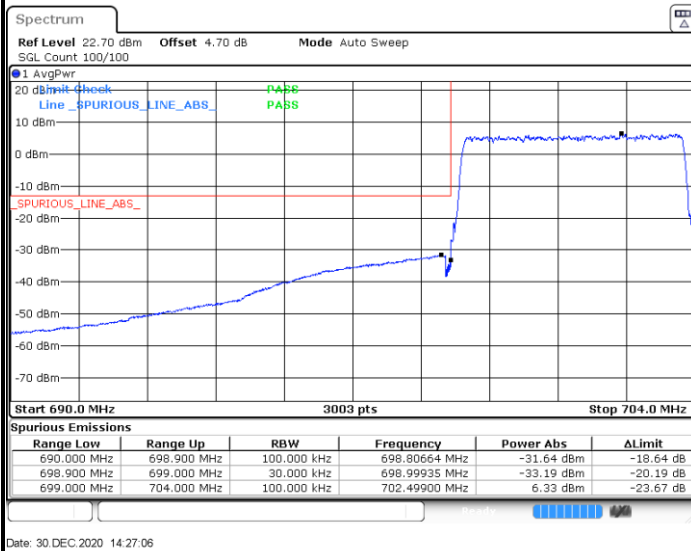
Lowest Band Edge / 1RB



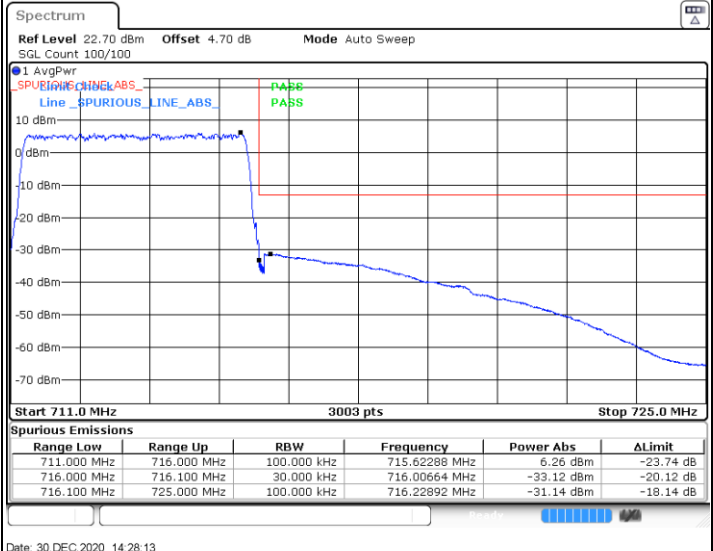
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



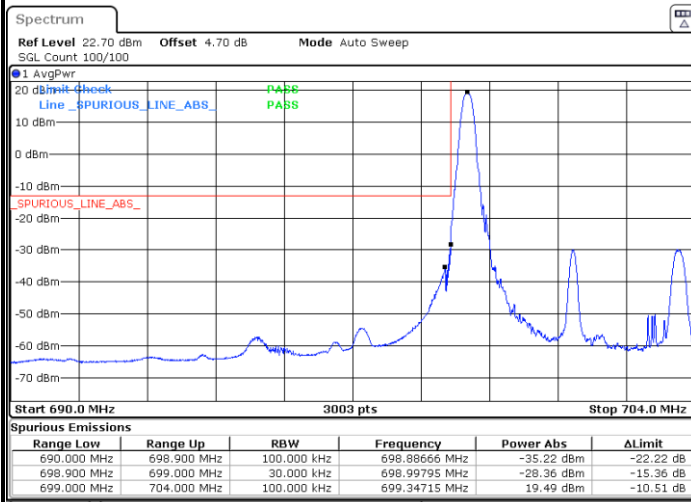
Highest Band Edge / Full RB



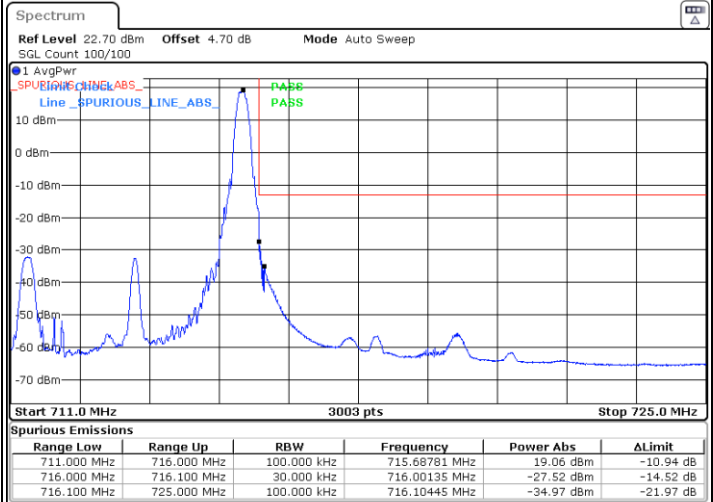


LTE Band 12 / 5MHz / 64QAM

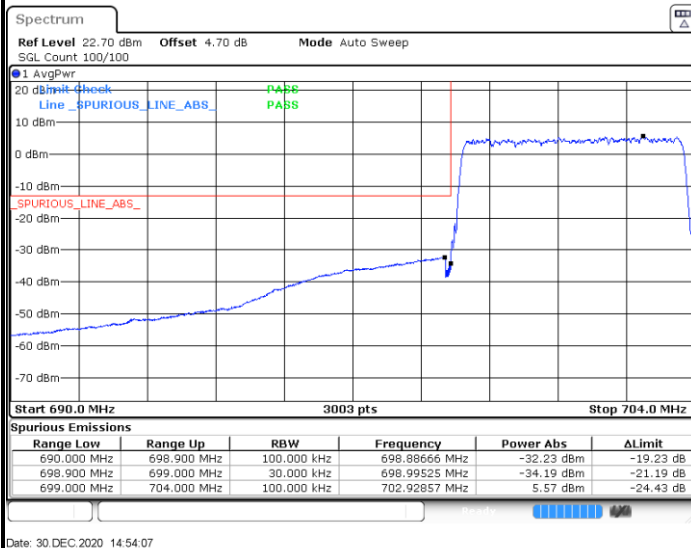
Lowest Band Edge / 1RB



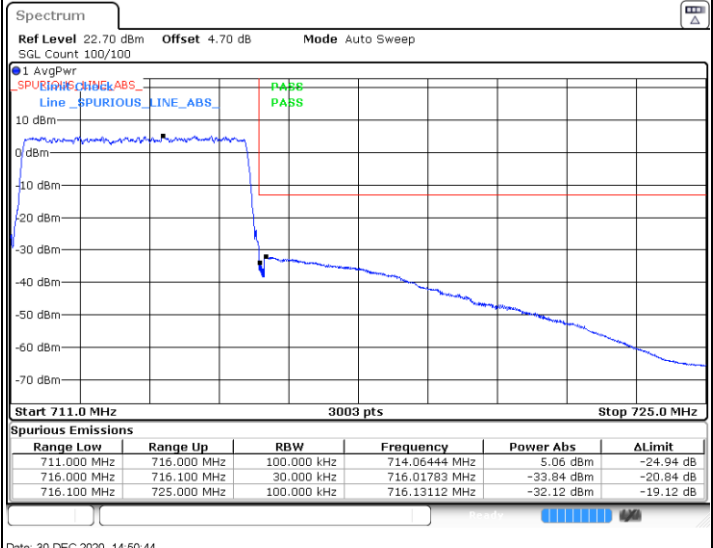
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



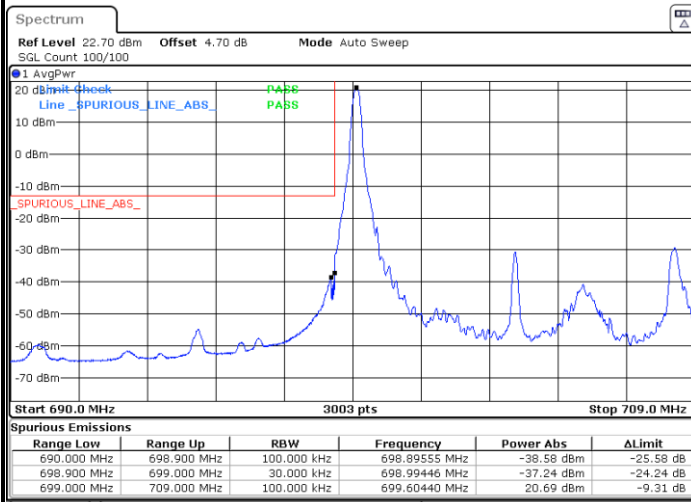
Highest Band Edge / Full RB



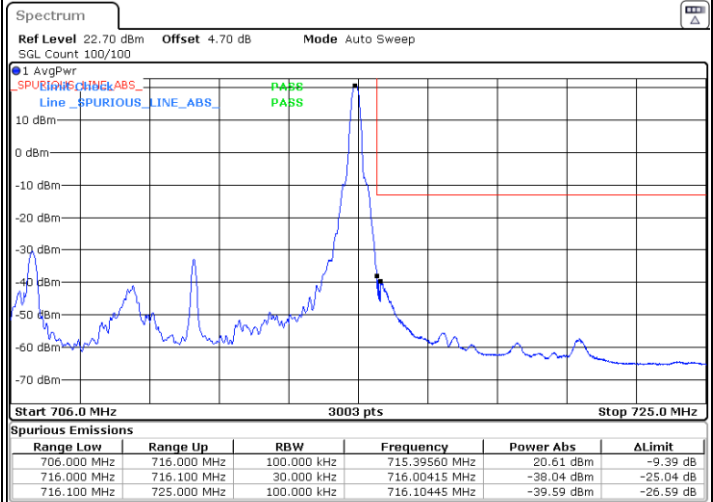


LTE Band 12 / 10MHz / QPSK

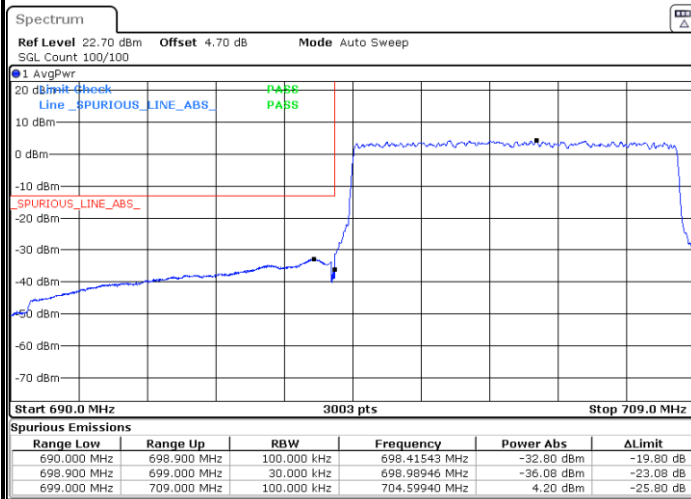
Lowest Band Edge / 1 RB



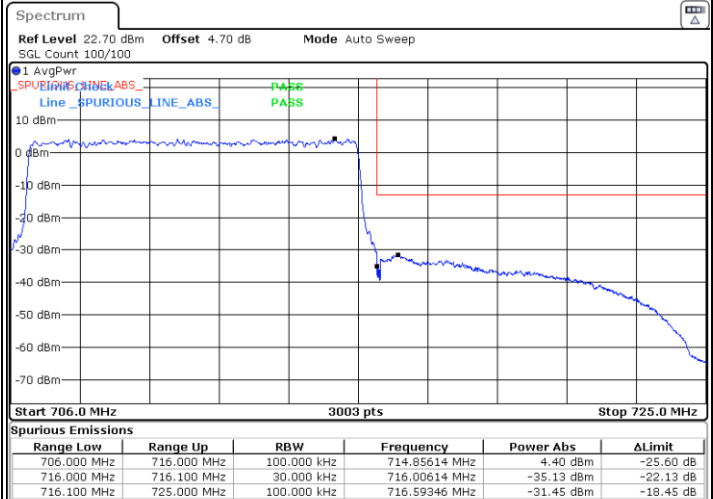
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



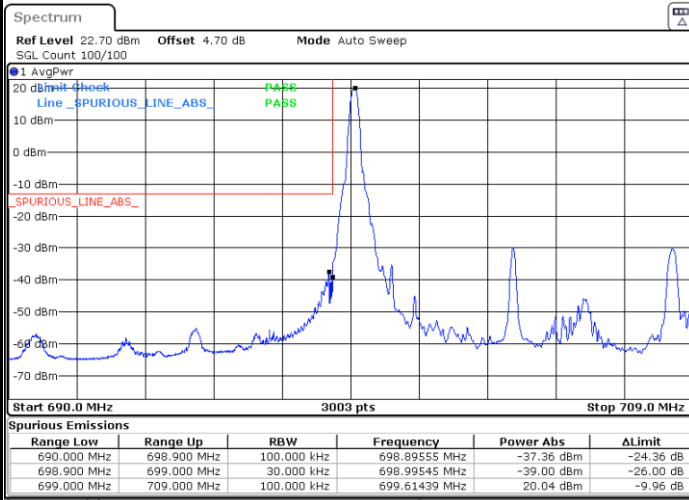
Highest Band Edge / Full RB



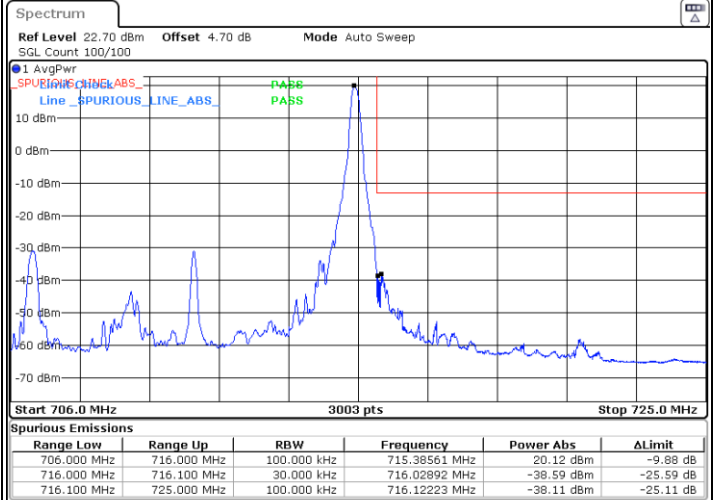


LTE Band 12 / 10MHz / 16QAM

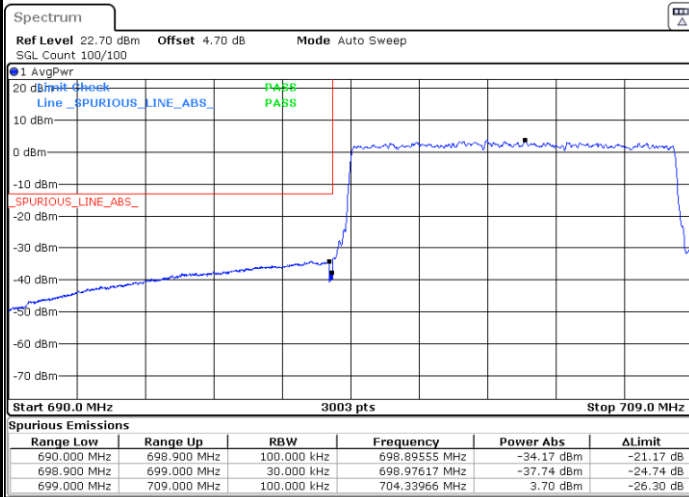
Lowest Band Edge / 1 RB



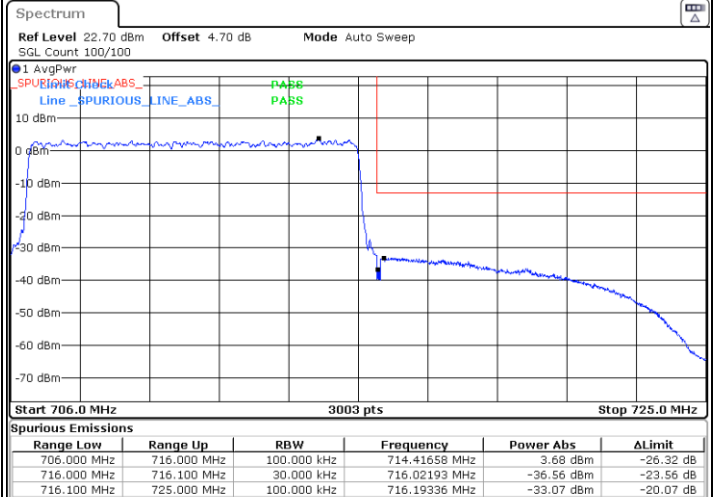
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



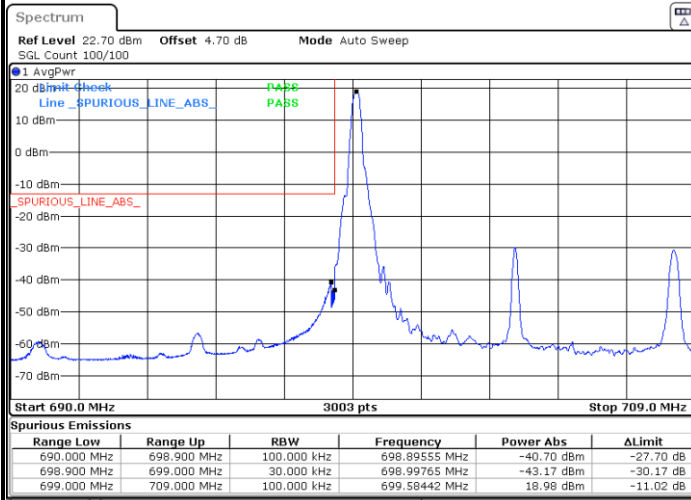
Highest Band Edge / Full RB



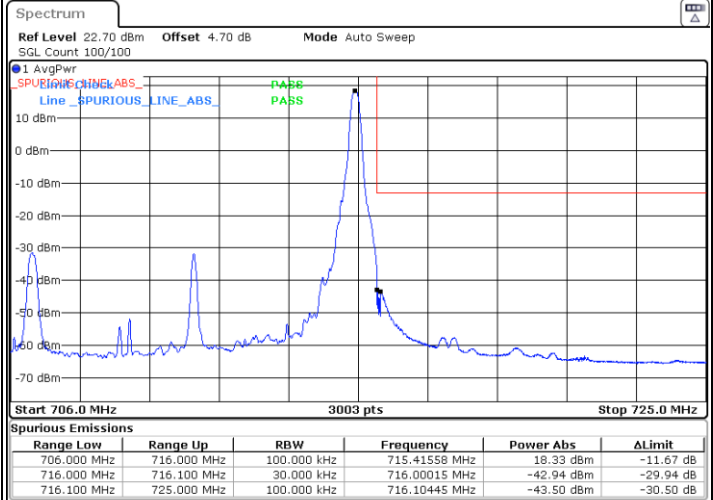


LTE Band 12 / 10MHz / 64QAM

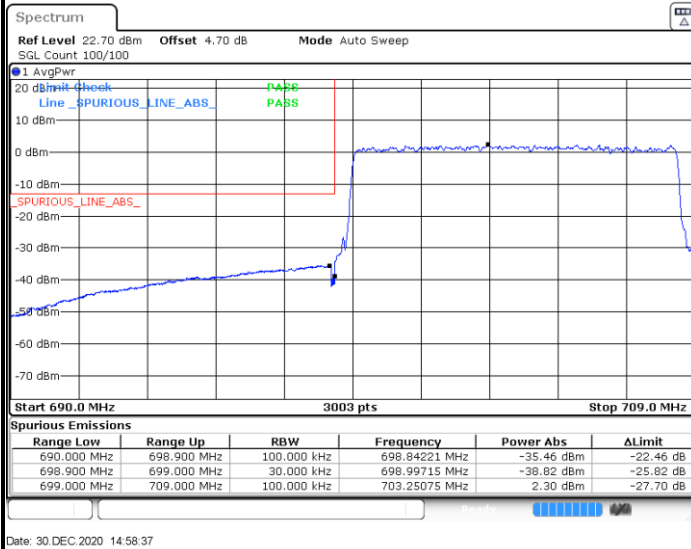
Lowest Band Edge / 1 RB



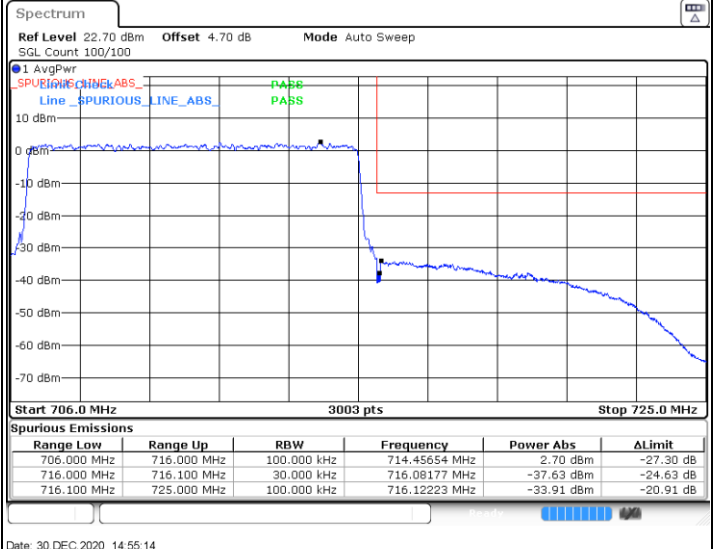
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



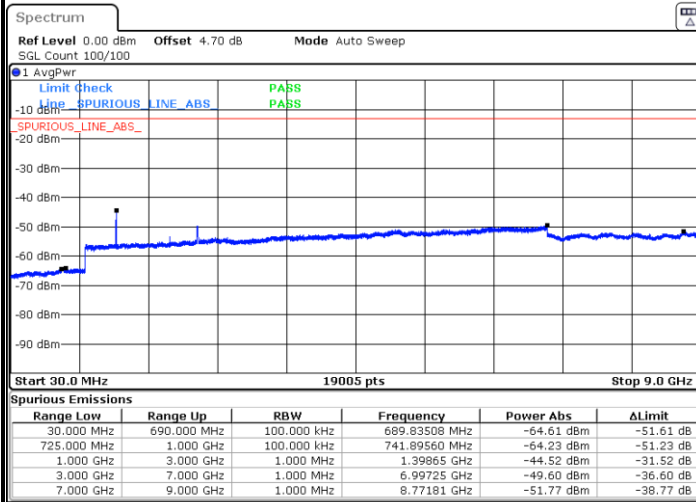


Conducted Spurious Emission



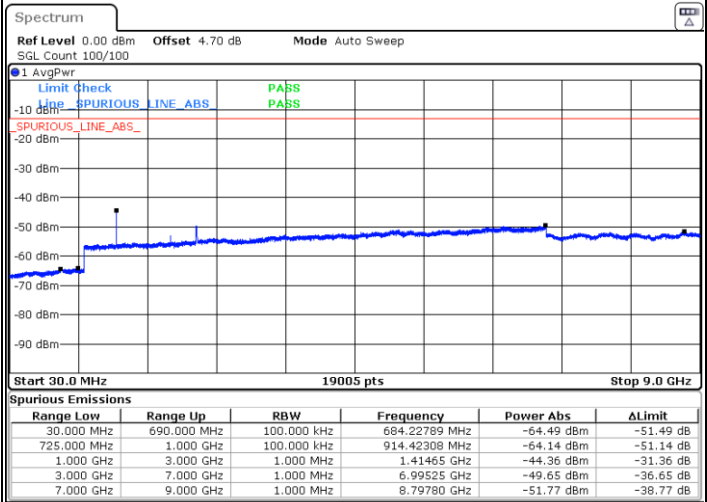
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



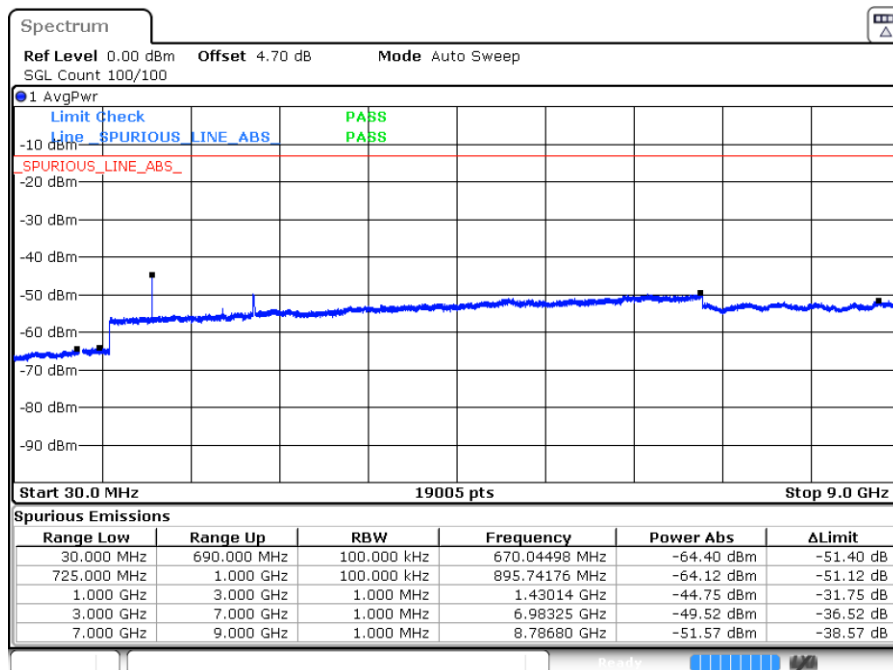
Date: 30 DEC 2020 15:05:00

Middle Channel / QPSK



Date: 30 DEC 2020 15:03:48

Highest Channel / QPSK

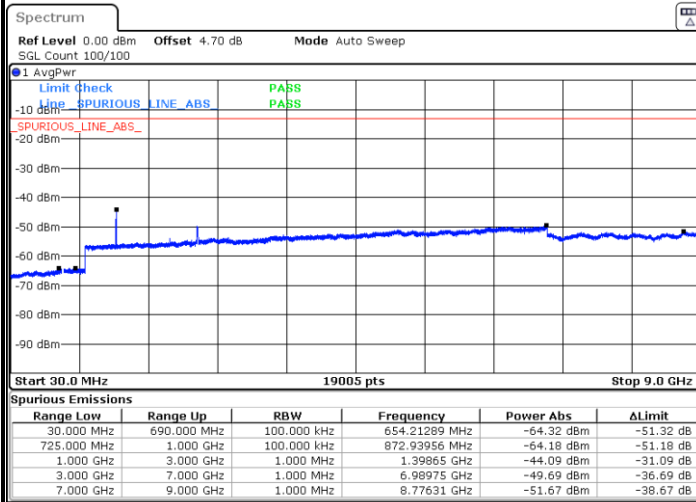


Date: 30 DEC 2020 15:05:32



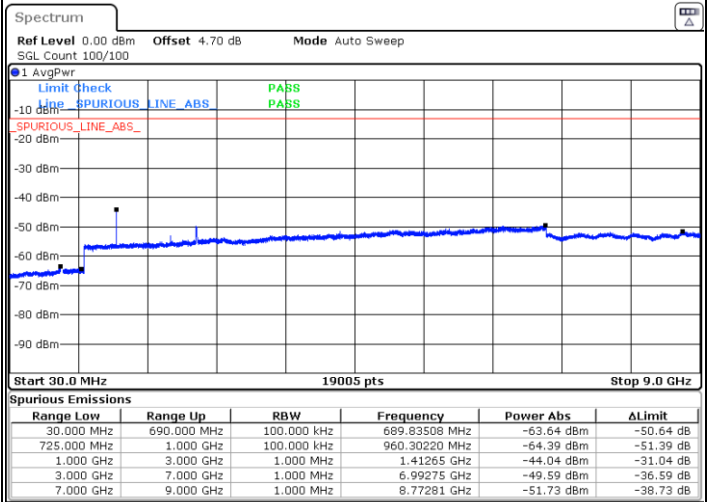
LTE Band 12 / 3MHz

Lowest Channel / QPSK



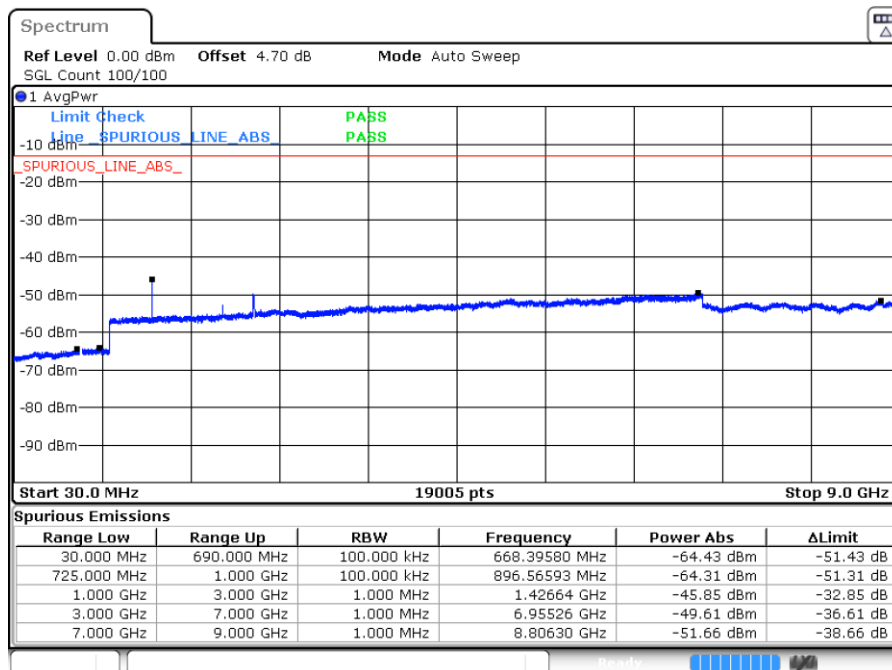
Date: 30 DEC 2020 15:06:37

Middle Channel / QPSK



Date: 30 DEC 2020 15:06:10

Highest Channel / QPSK

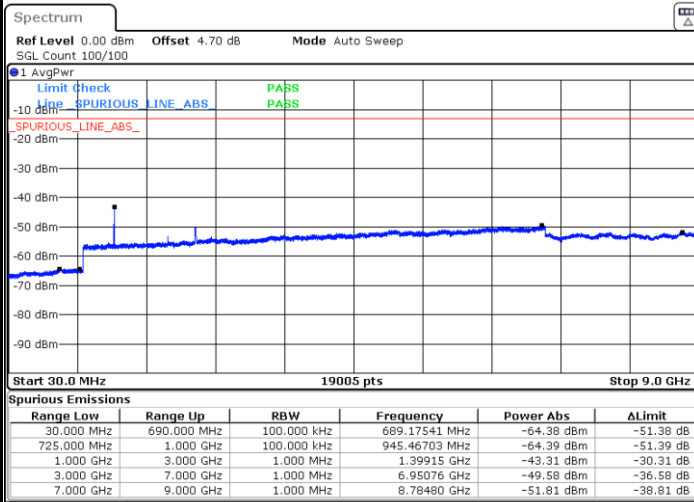


Date: 30 DEC 2020 15:07:09



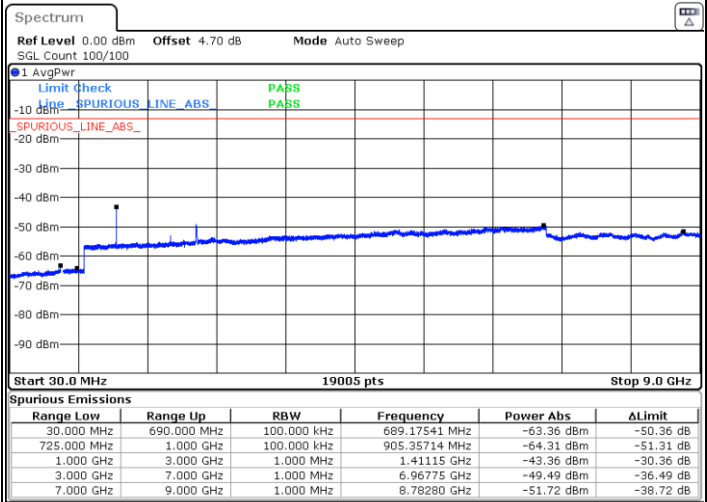
LTE Band 12 / 5MHz

Lowest Channel / QPSK



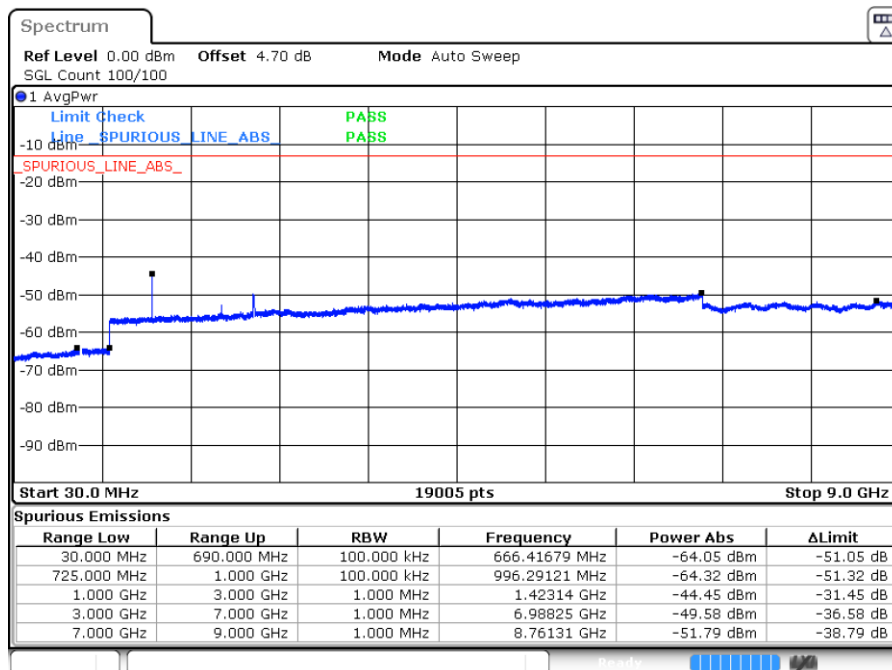
Date: 30 DEC 2020 15:08:18

Middle Channel / QPSK



Date: 30 DEC 2020 15:07:51

Highest Channel / QPSK

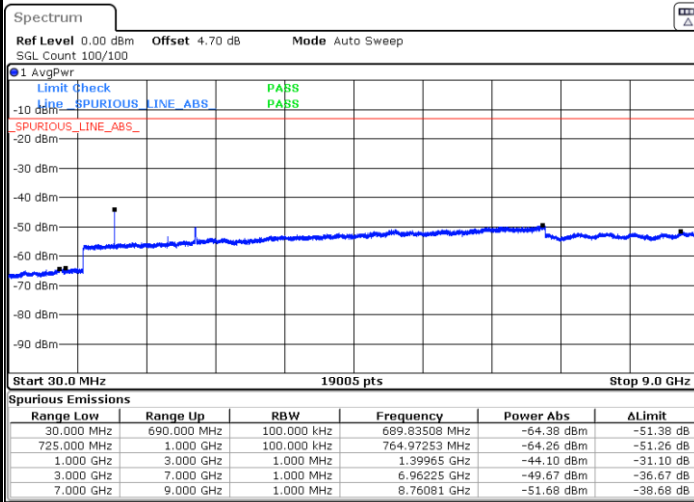


Date: 30 DEC 2020 15:08:48



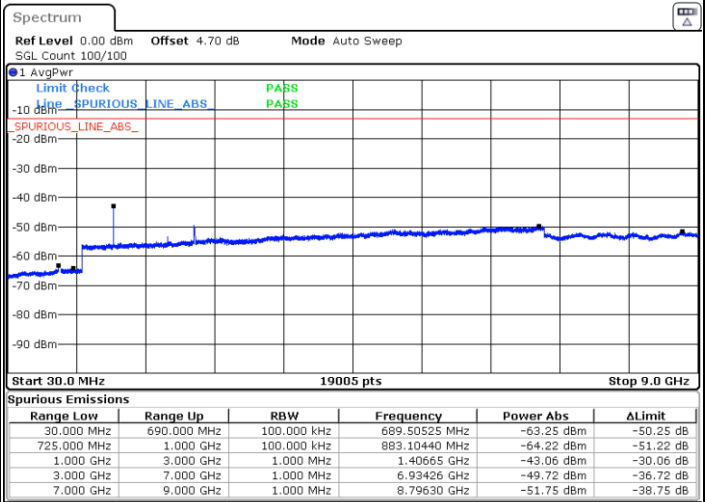
LTE Band 12 / 10MHz

Lowest Channel / QPSK



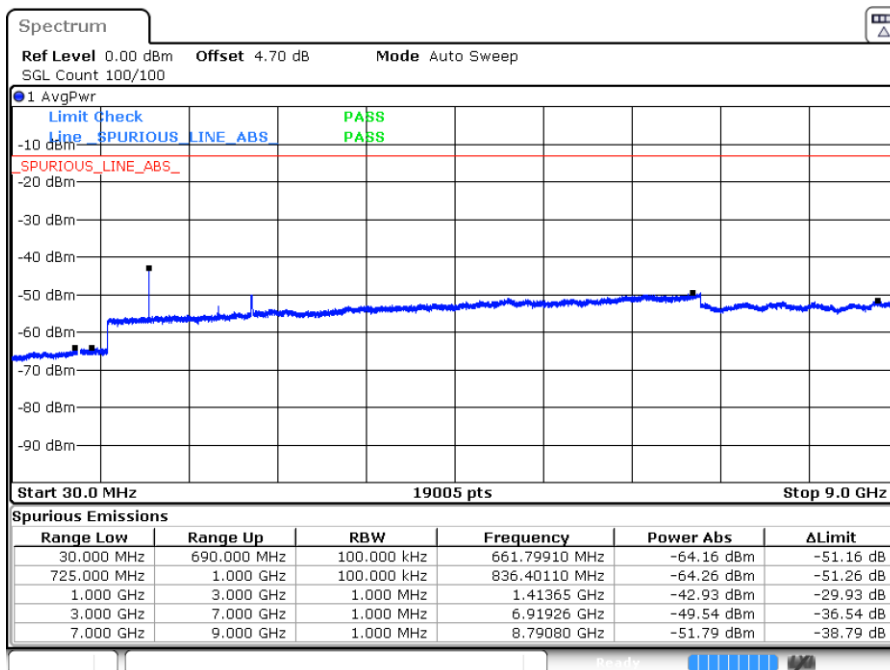
Date: 30 DEC 2020 15:00:09

Middle Channel / QPSK



Date: 30 DEC 2020 15:01:33

Highest Channel / QPSK



Date: 30 DEC 2020 15:00:40

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	0.0015	PASS
40	Normal Voltage	0.0034	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0023	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0031	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0015	

Note:

1. Normal Voltage =4 V. ; Battery End Point (BEP) =3.8 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

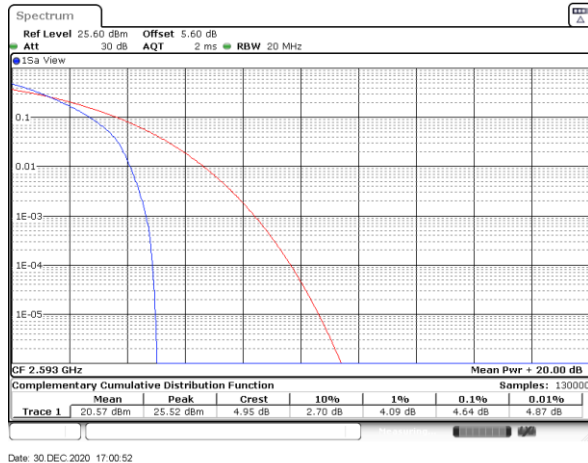
Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.64	6.55	6.64	PASS

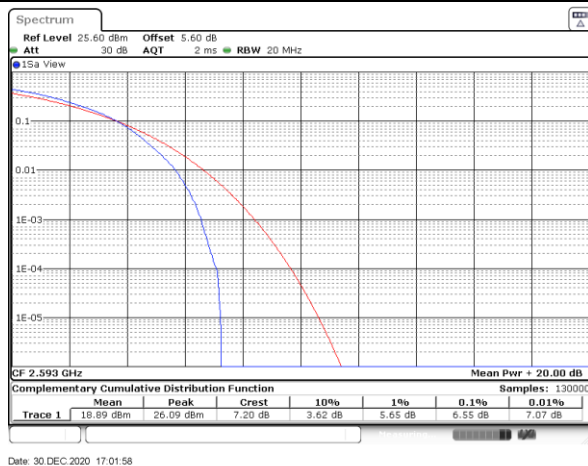


LTE Band 41 / 20MHz

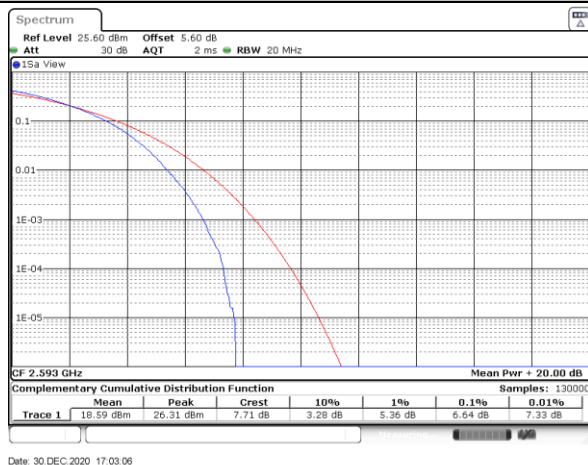
Middle Channel / Full RB/ QPSK



Middle Channel / Full RB/ 16QAM

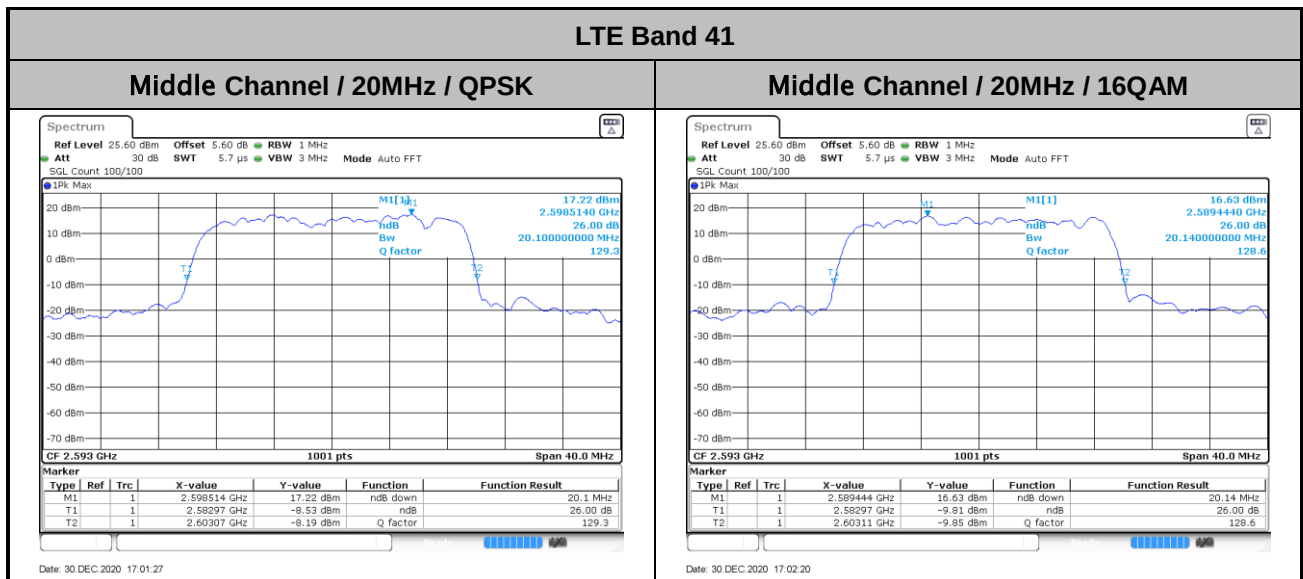


Middle Channel / Full RB/ 64QAM



**26dB Bandwidth**

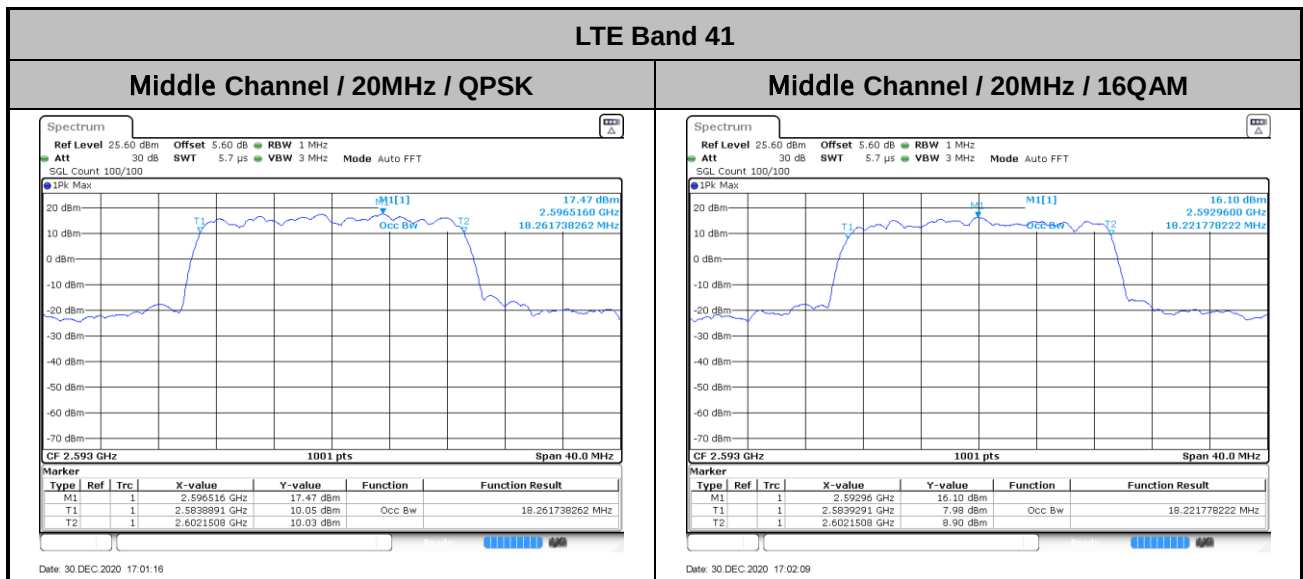
Mode	LTE Band 41 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	20.10	20.14





Occupied Bandwidth

Mode	LTE Band 41 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.26	18.22



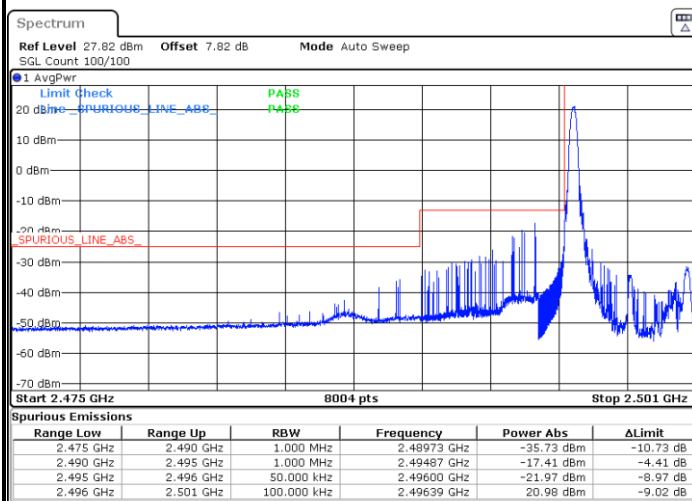


Conducted Band Edge

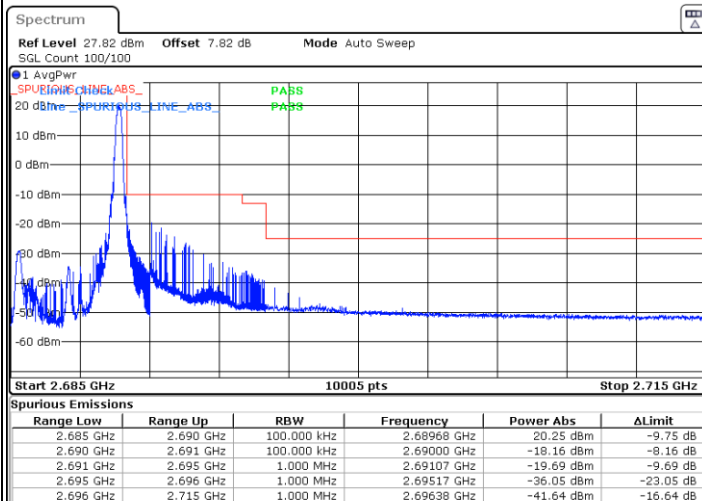


LTE Band 41 / 5MHz / QPSK

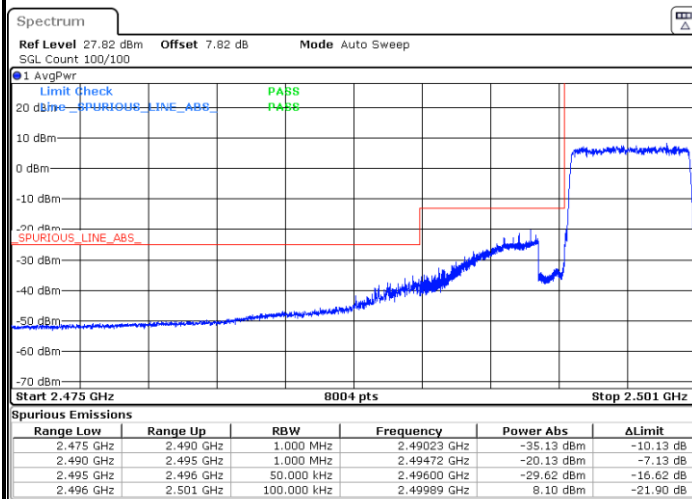
Lowest Band Edge / 1RB



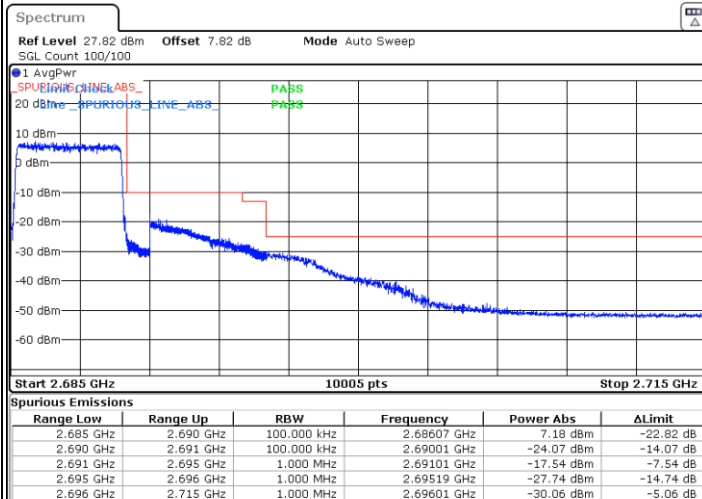
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



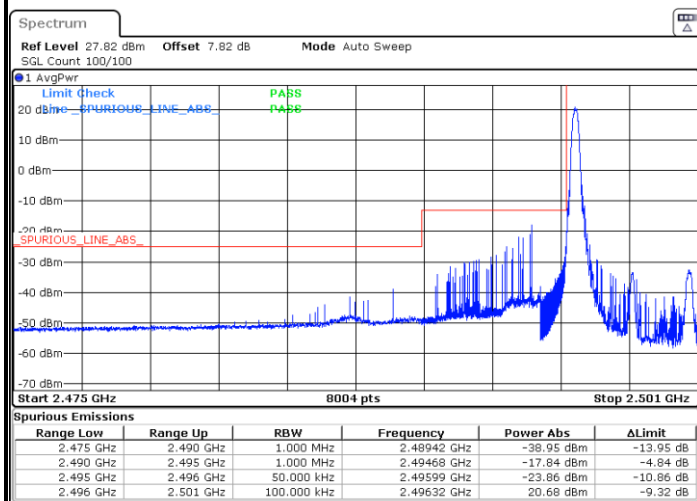
Highest Band Edge / Full RB



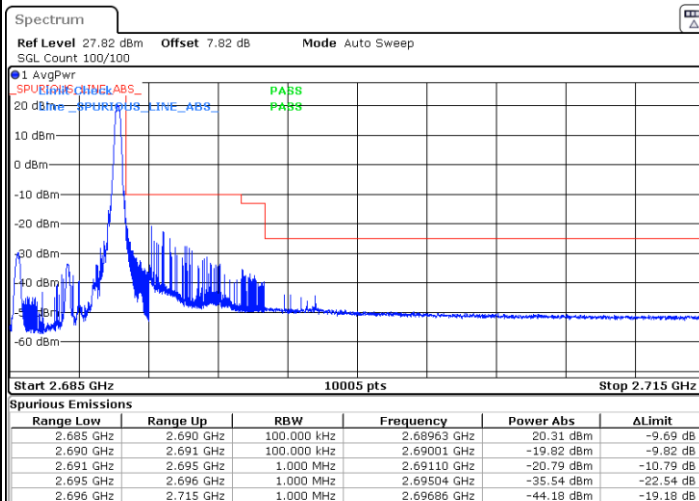


LTE Band 41 / 5MHz / 16QAM

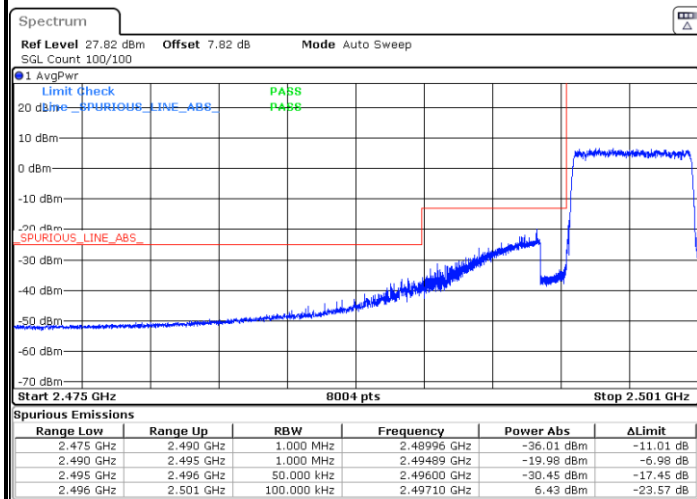
Lowest Band Edge / 1 RB



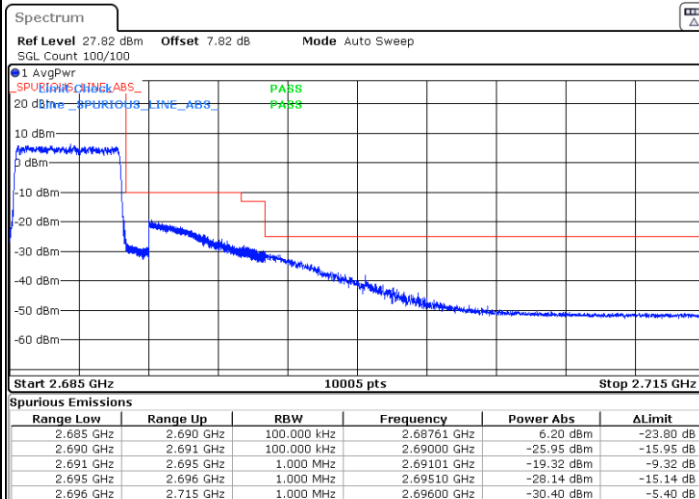
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



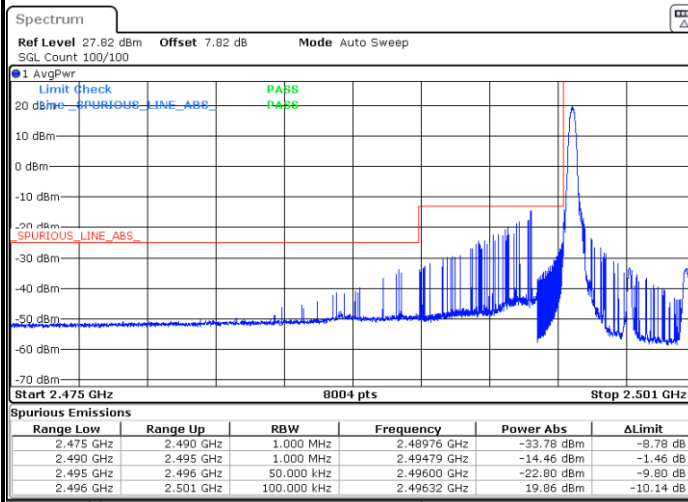
Highest Band Edge / Full RB





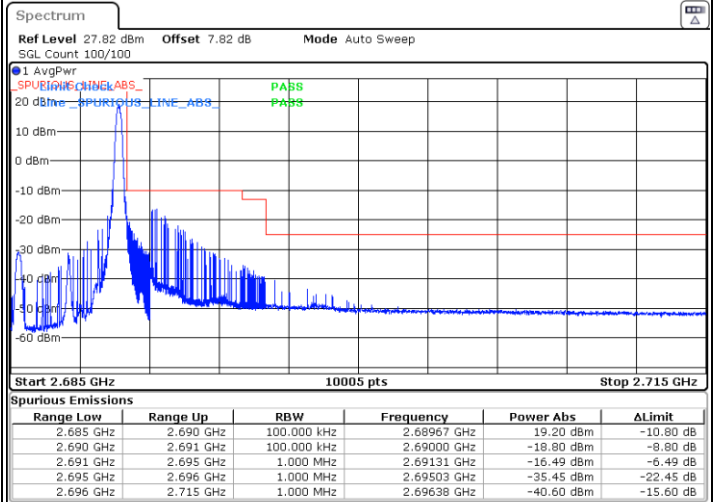
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



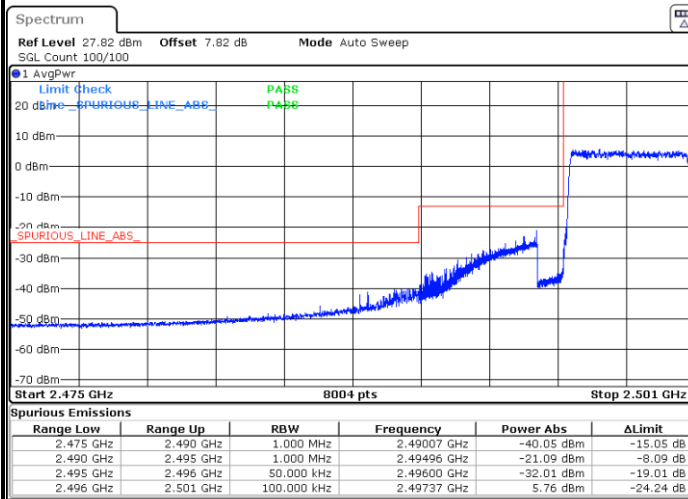
Date: 30 DEC 2020 16:16:33

Highest Band Edge / 1 RB



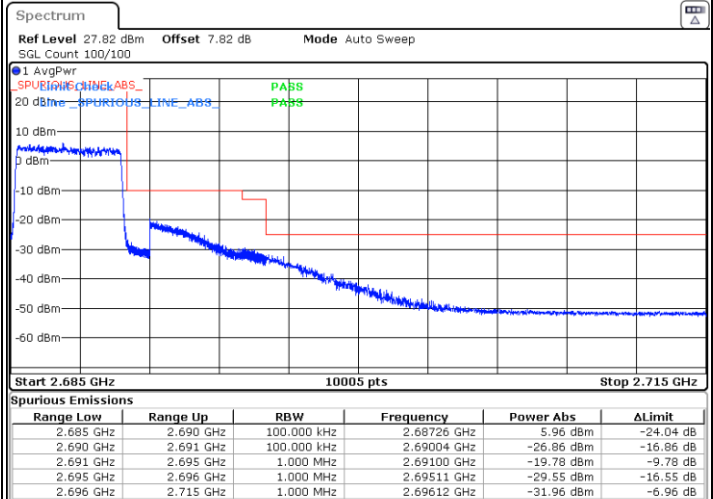
Date: 30 DEC 2020 16:19:57

Lowest Band Edge / Full RB



Date: 30 DEC 2020 16:17:41

Highest Band Edge / Full RB

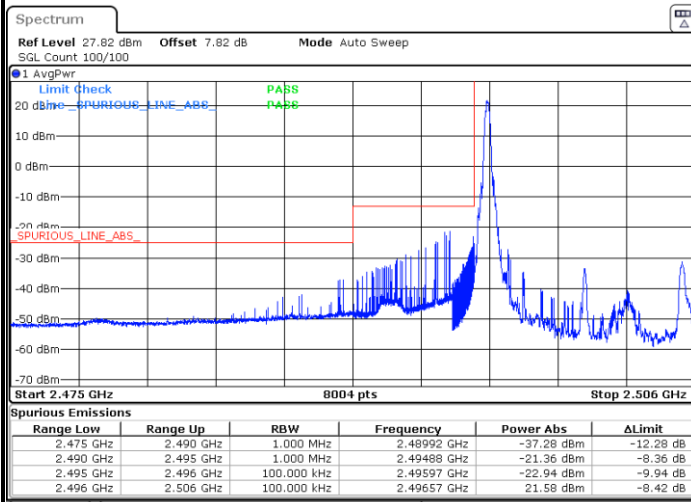


Date: 30 DEC 2020 16:18:49

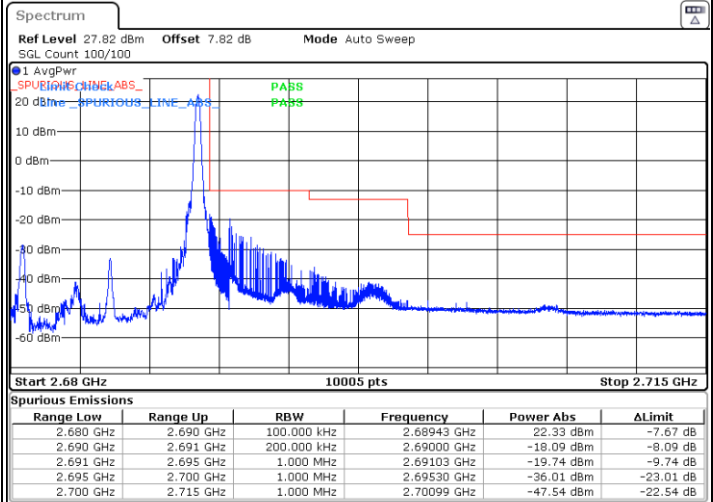


LTE Band 41 / 10MHz / QPSK

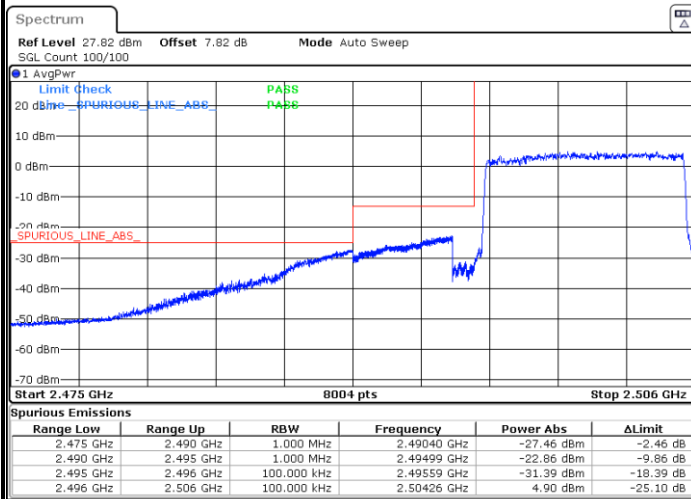
Lowest Band Edge / 1RB



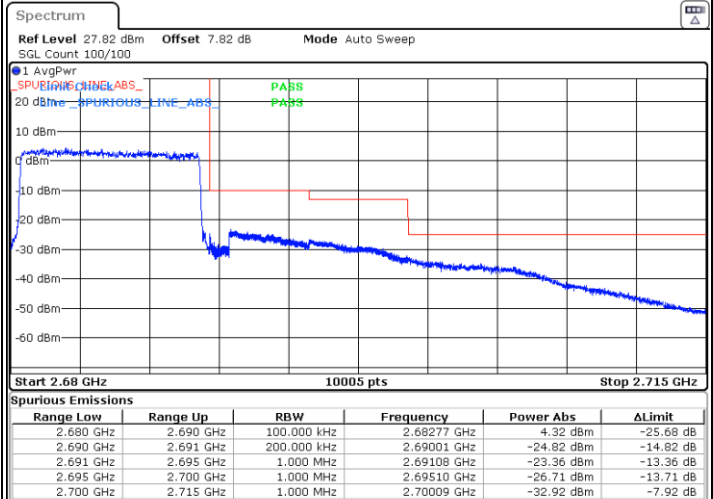
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



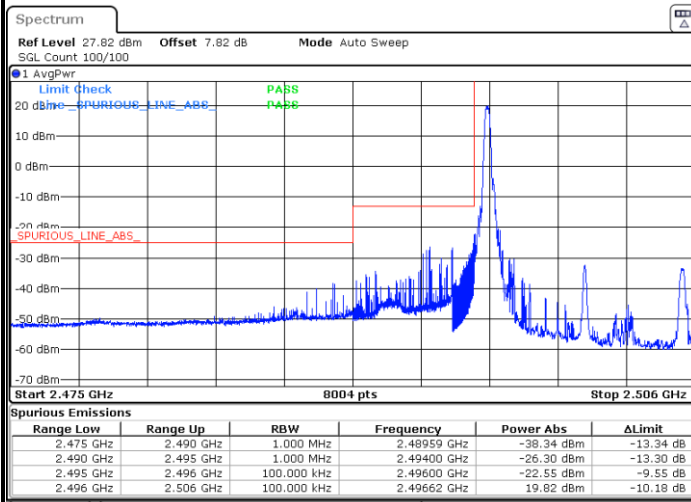
Highest Band Edge / Full RB





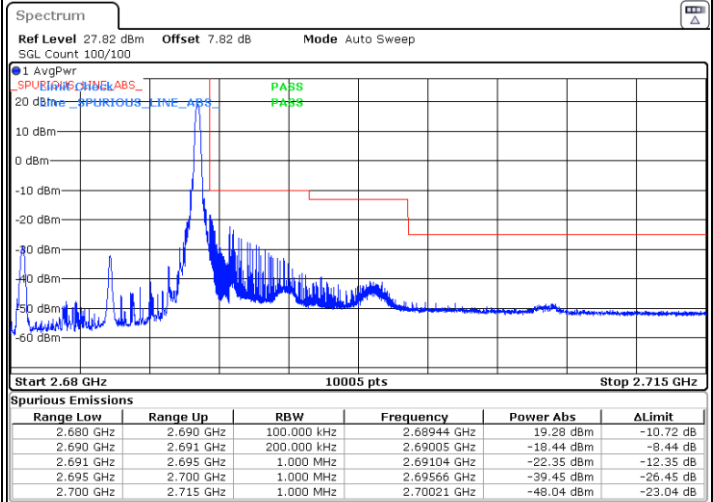
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



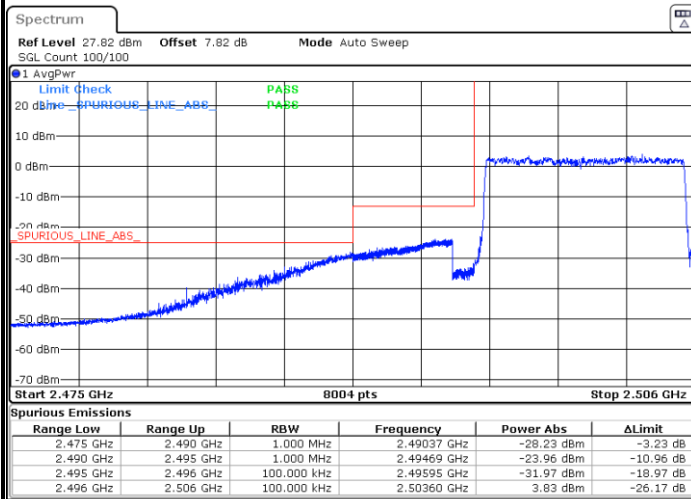
Date: 30 DEC 2020 15:54:57

Highest Band Edge / 1 RB



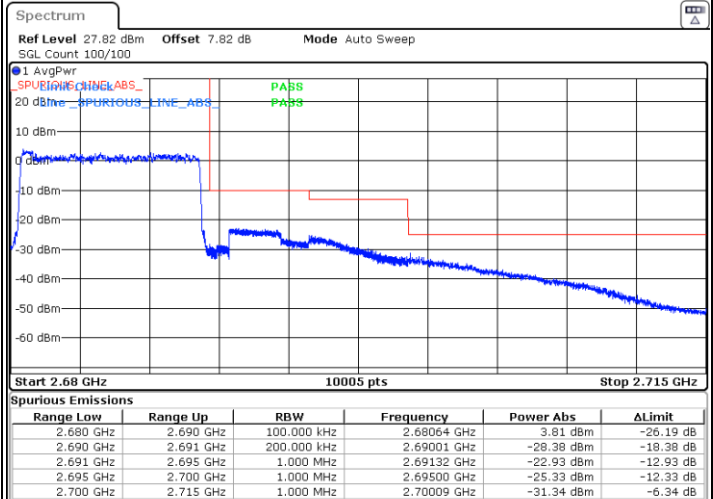
Date: 30 DEC 2020 15:59:30

Lowest Band Edge / Full RB



Date: 30 DEC 2020 15:57:14

Highest Band Edge / Full RB

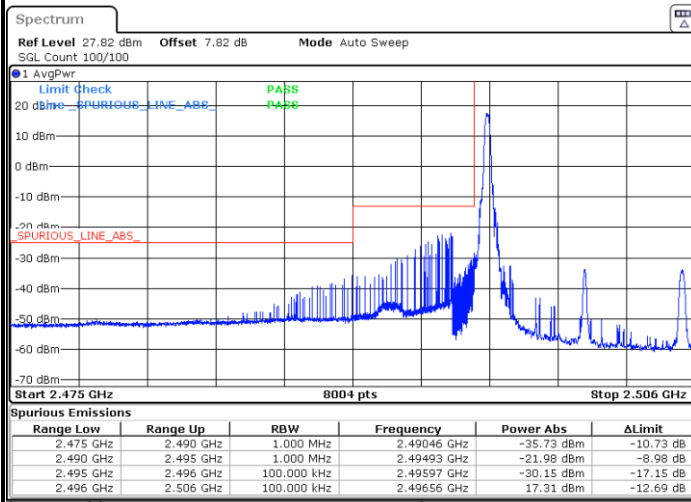


Date: 30 DEC 2020 16:01:46



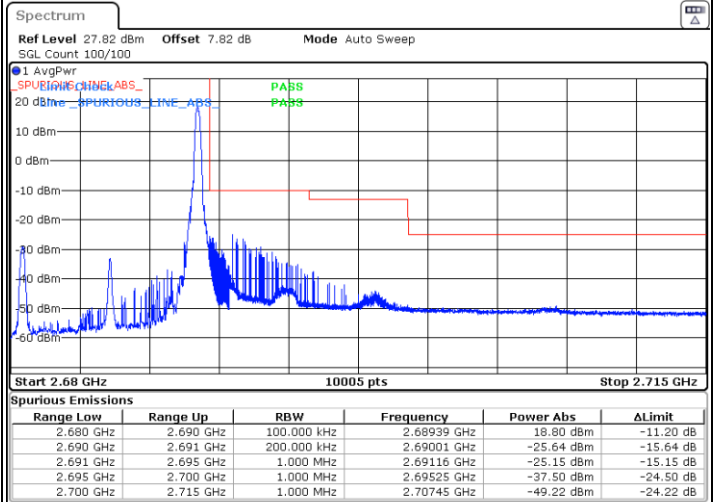
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



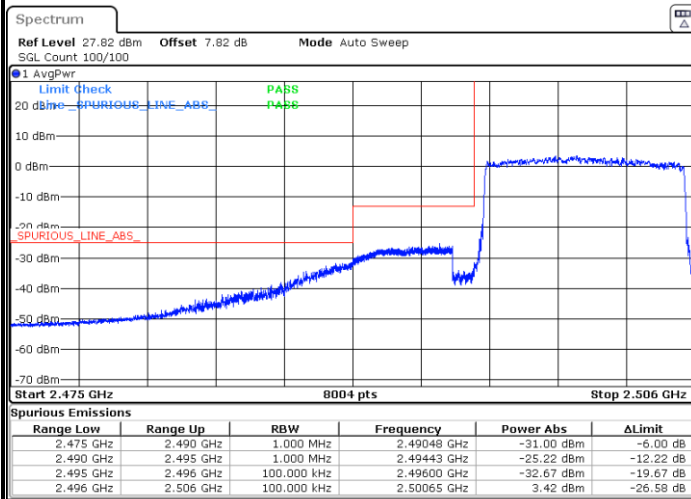
Date: 30 DEC 2020 16:21:06

Highest Band Edge / 1 RB



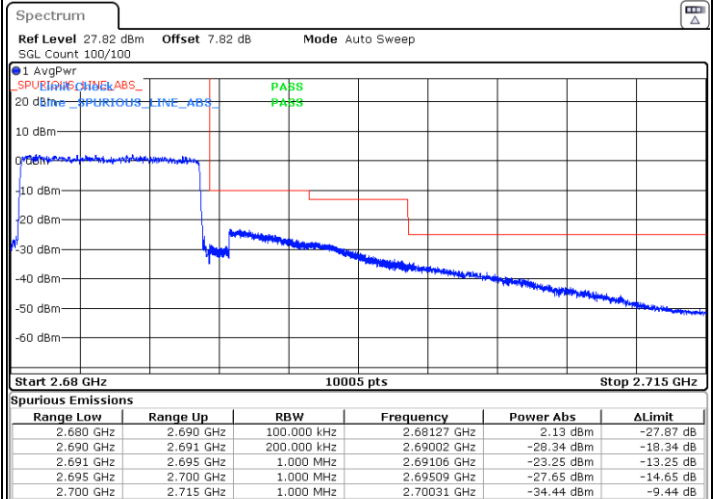
Date: 30 DEC 2020 16:24:30

Lowest Band Edge / Full RB



Date: 30 DEC 2020 16:22:14

Highest Band Edge / Full RB

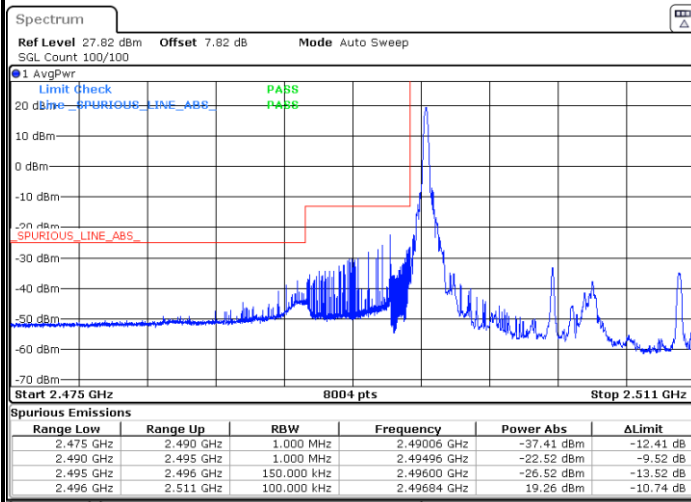


Date: 30 DEC 2020 16:23:22

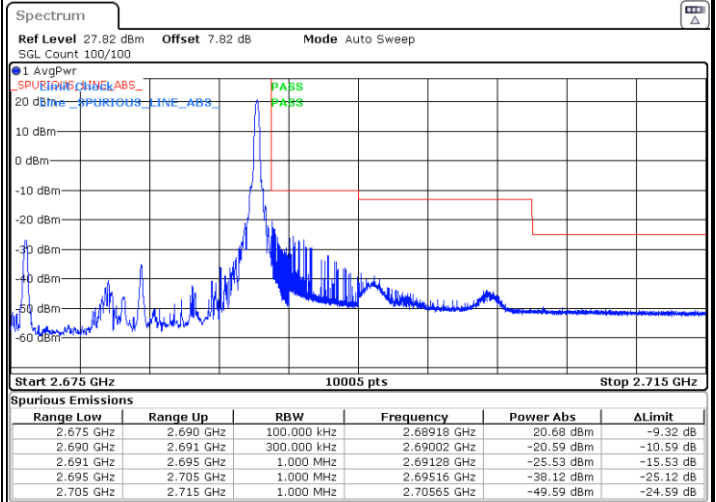


LTE Band 41 / 15MHz / QPSK

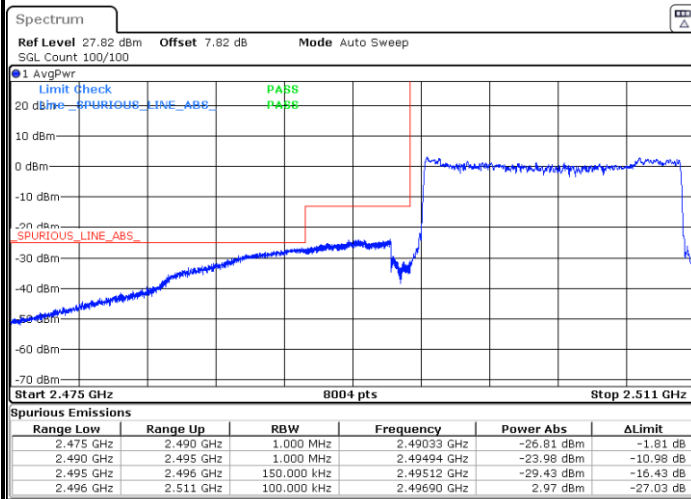
Lowest Band Edge / 1 RB



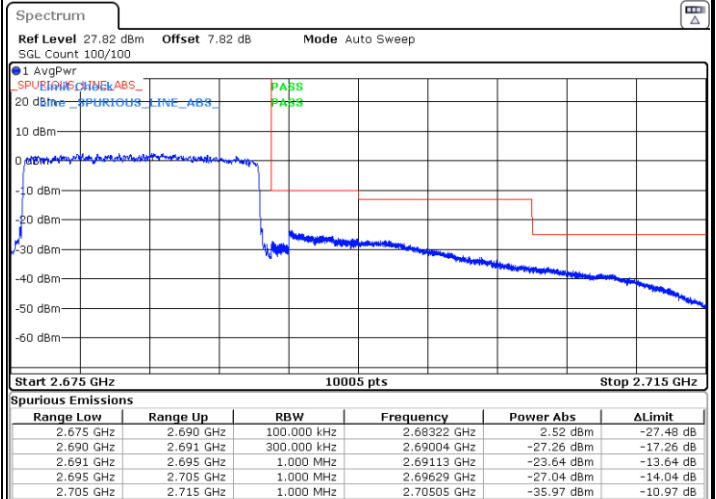
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



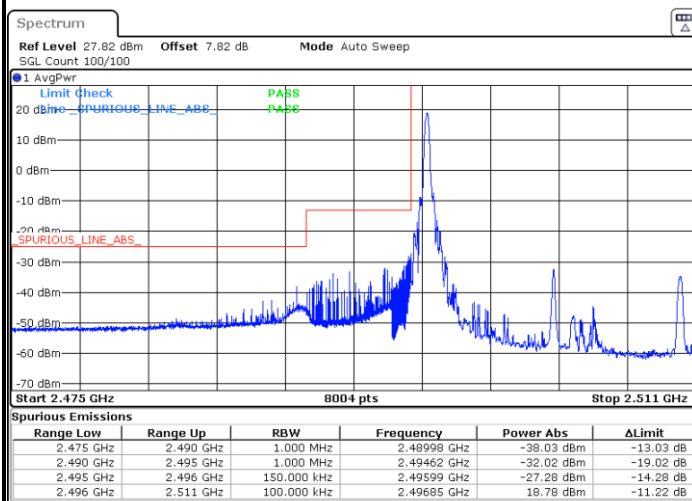
Highest Band Edge / Full RB





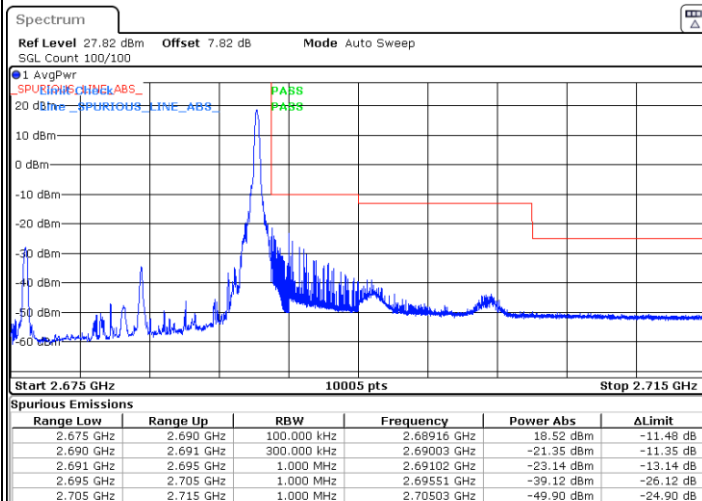
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1RB



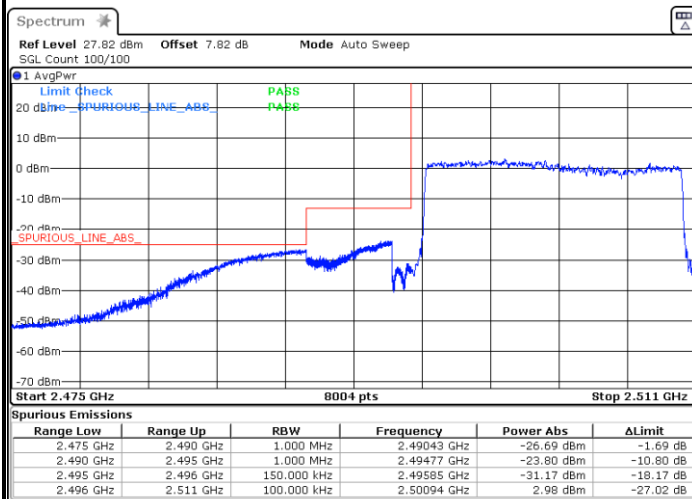
Date: 30 DEC 2020 16:04:03

Highest Band Edge / 1 RB



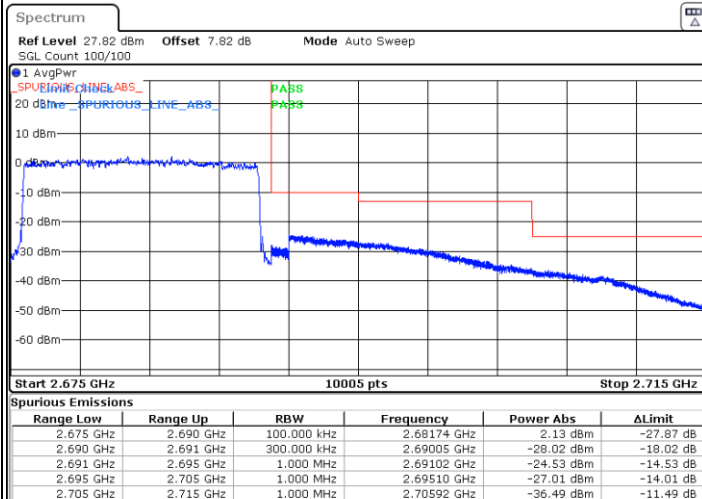
Date: 30 DEC 2020 16:08:36

Lowest Band Edge / Full RB



Date: 30 DEC 2020 16:38:43

Highest Band Edge / Full RB

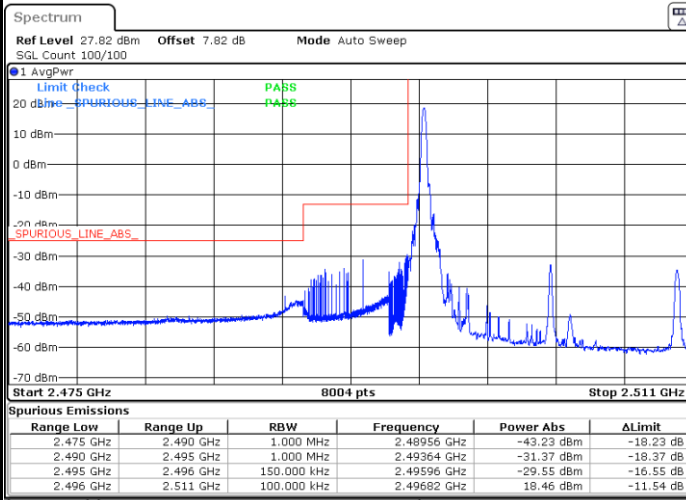


Date: 30 DEC 2020 16:10:52



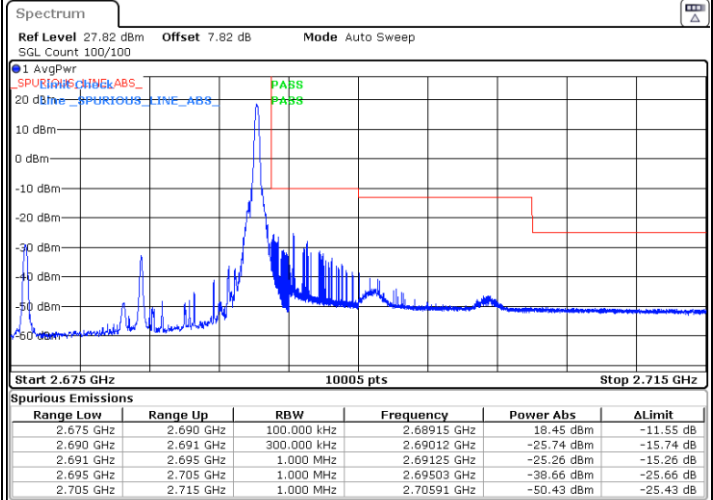
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1RB



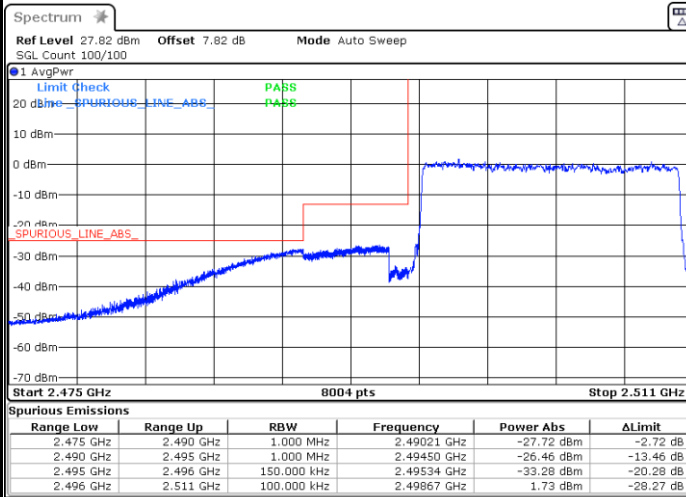
Date: 30 DEC 2020 16:25:38

Highest Band Edge / 1 RB



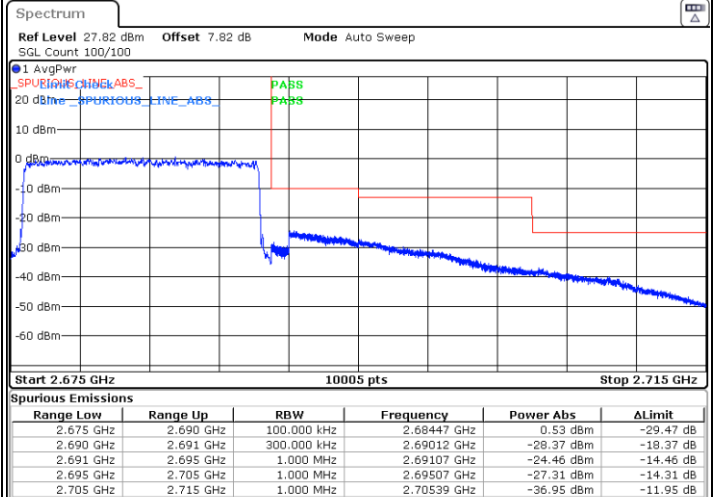
Date: 30 DEC 2020 16:29:03

Lowest Band Edge / Full RB



Date: 30 DEC 2020 16:40:29

Highest Band Edge / Full RB

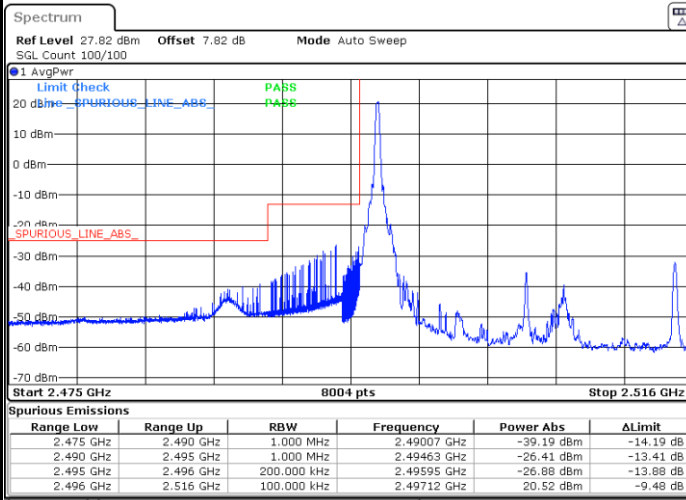


Date: 30 DEC 2020 16:27:55

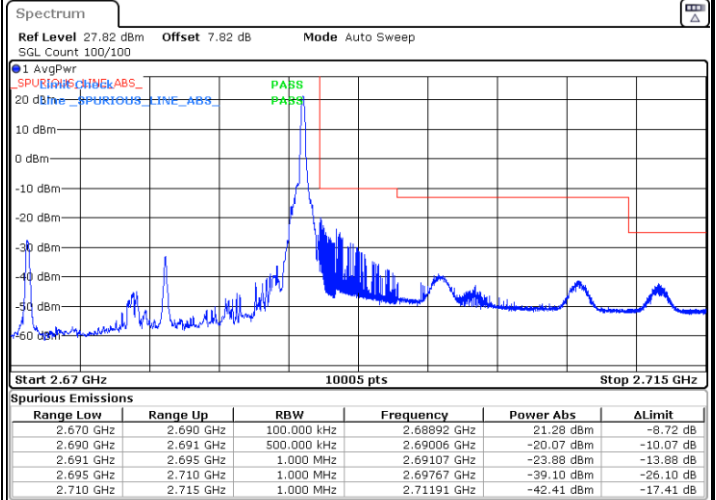


LTE Band 41 / 20MHz / QPSK

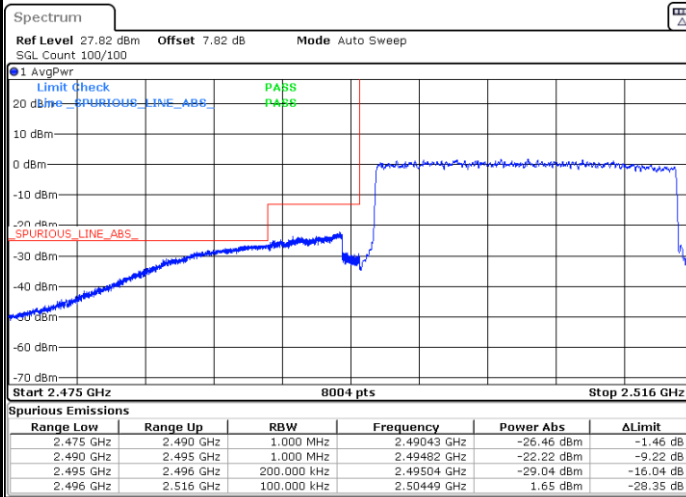
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

