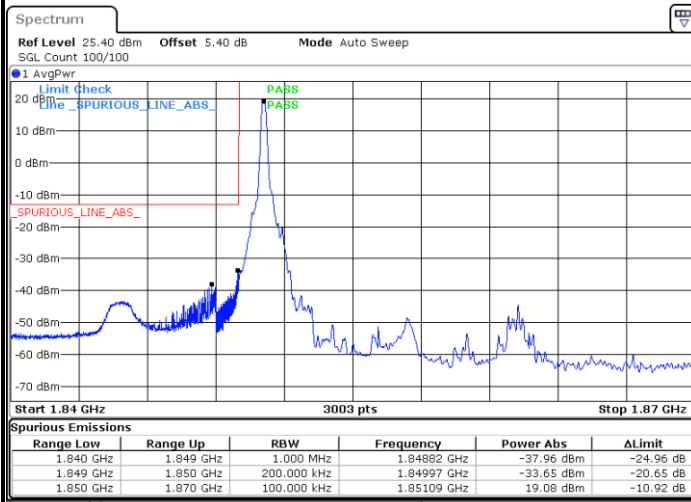




LTE Band 2 / 20MHz / 16QAM

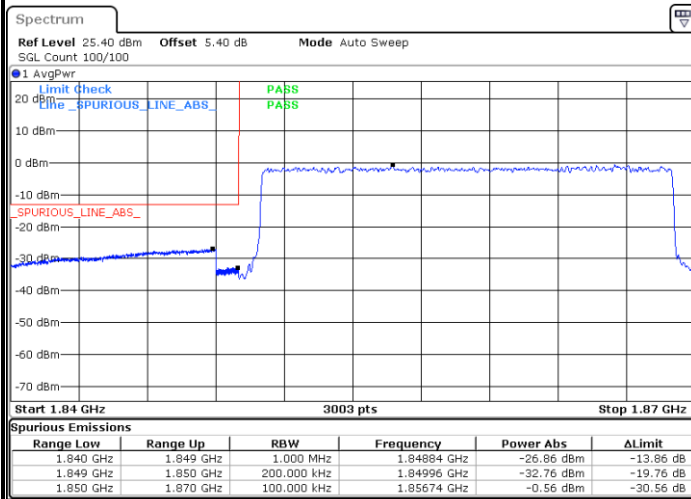
Lowest Band Edge / 1 RB



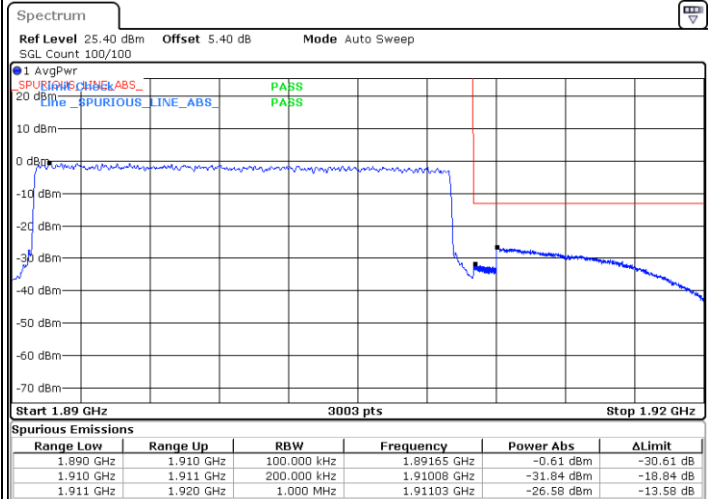
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



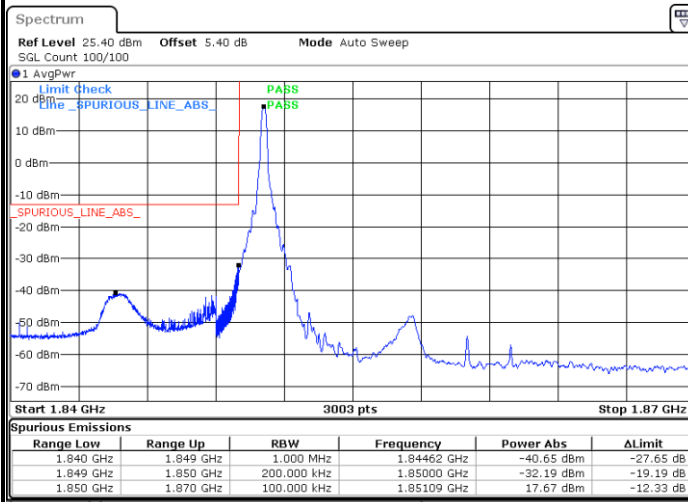
Highest Band Edge / Full RB



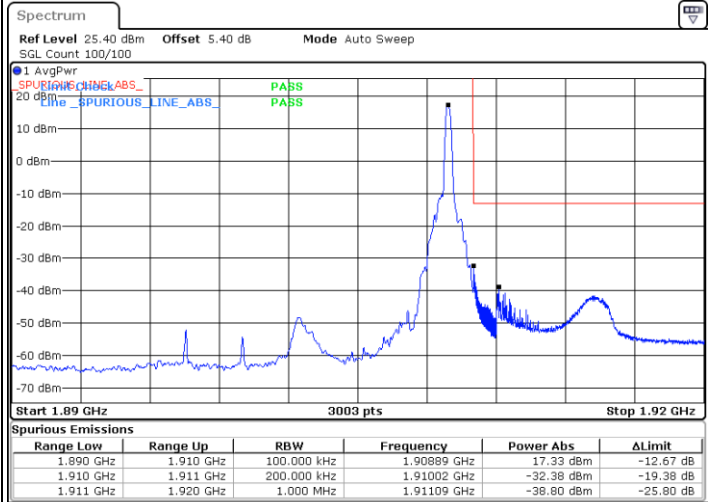


LTE Band 2 / 20MHz / 64QAM

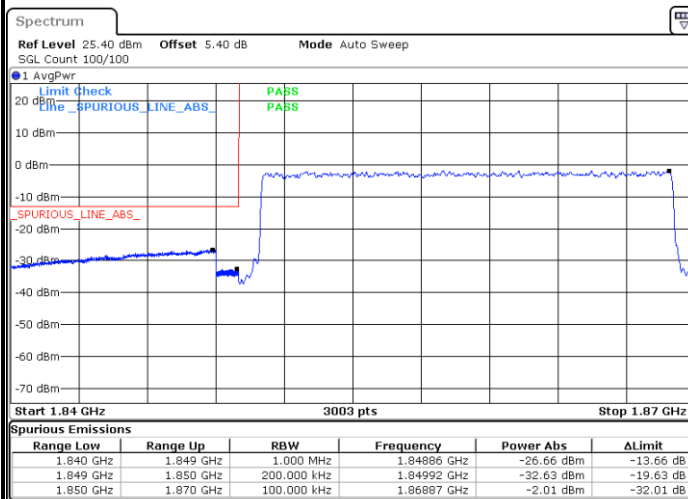
Lowest Band Edge / 1 RB



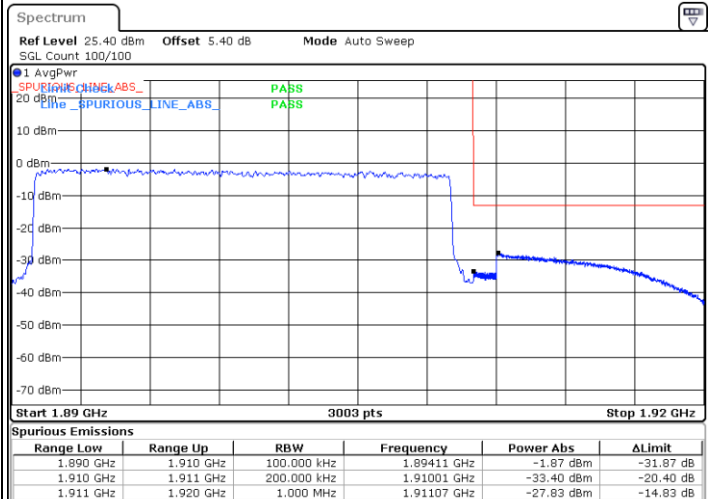
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



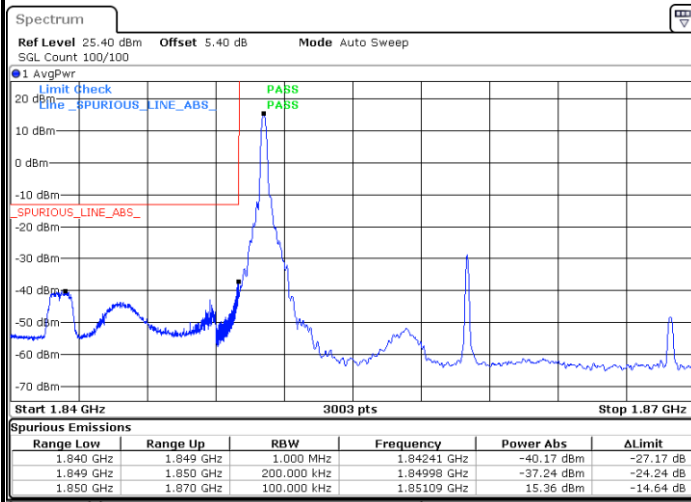
Highest Band Edge / Full RB



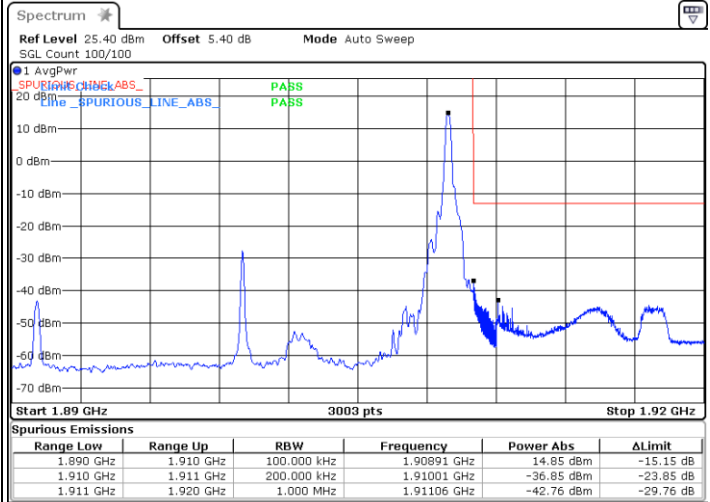


LTE Band 2 / 20MHz / 256QAM

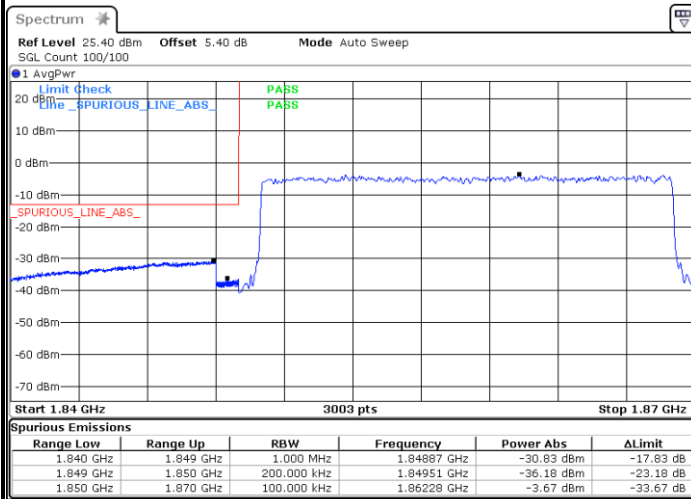
Lowest Band Edge / 1 RB



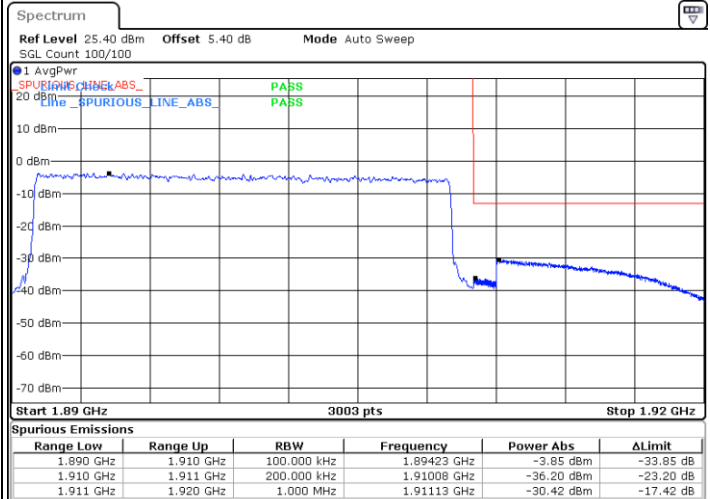
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



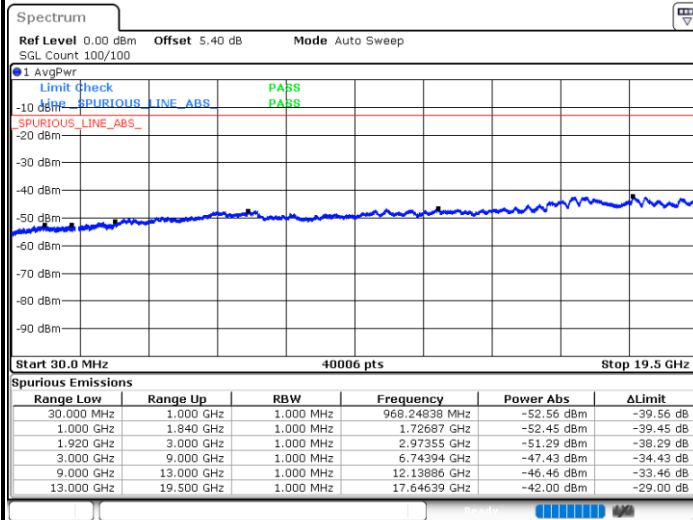


Conducted Spurious Emission



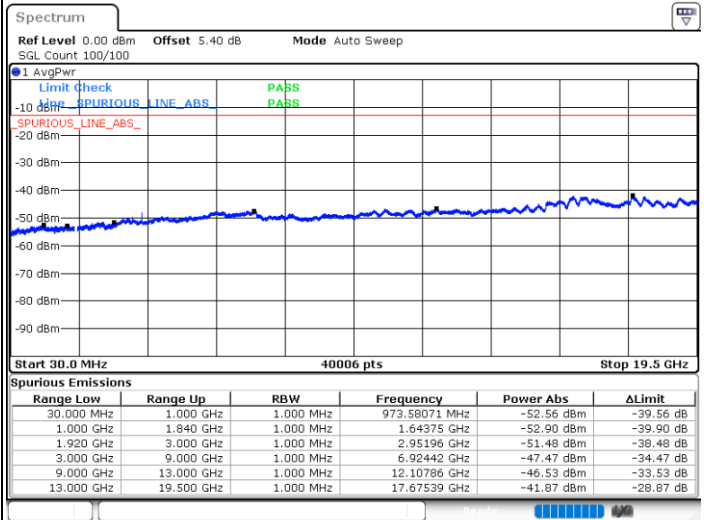
LTE Band 2 / 1.4MHz

Lowest Channel / QPSK



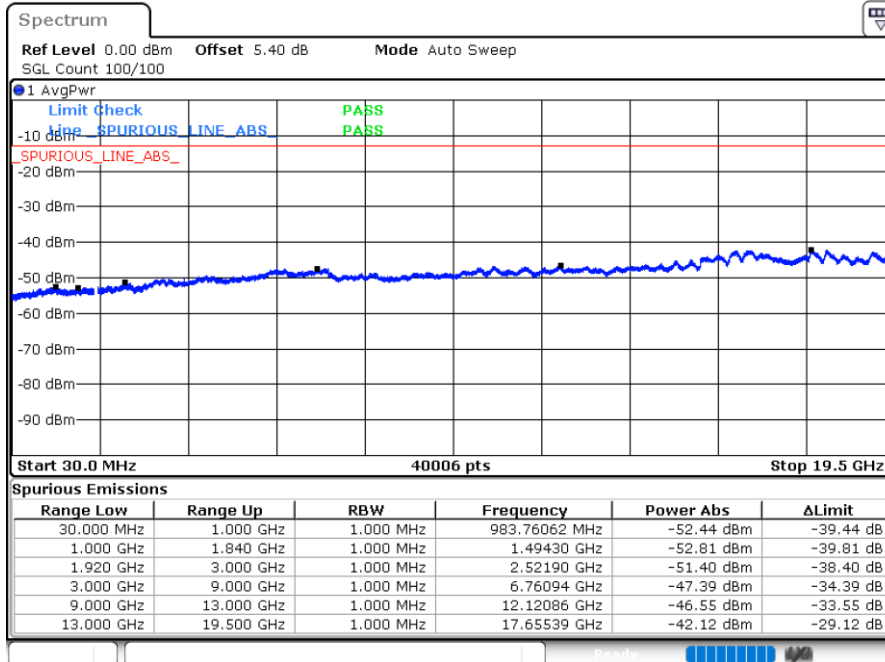
Date: 27.AUG.2021 12:16:29

Middle Channel / QPSK



Date: 27.AUG.2021 12:21:06

Highest Channel / QPSK

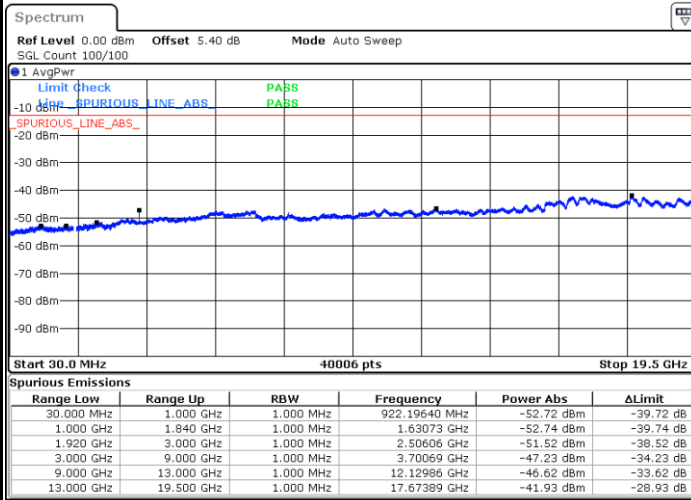


Date: 27.AUG.2021 12:25:53



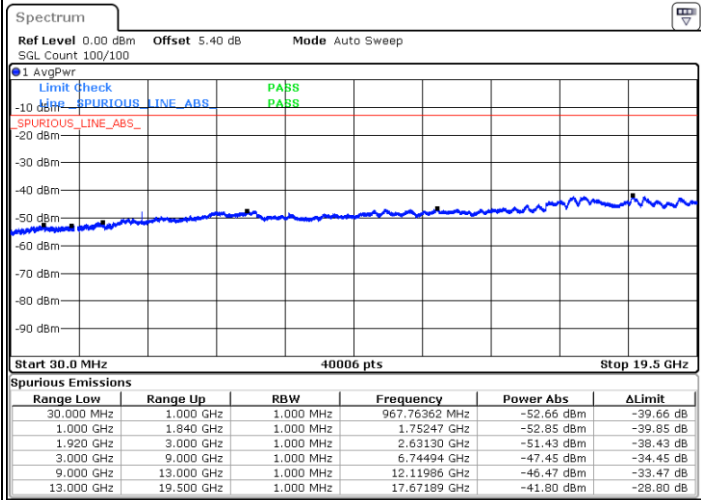
LTE Band 2 / 3MHz

Lowest Channel / QPSK



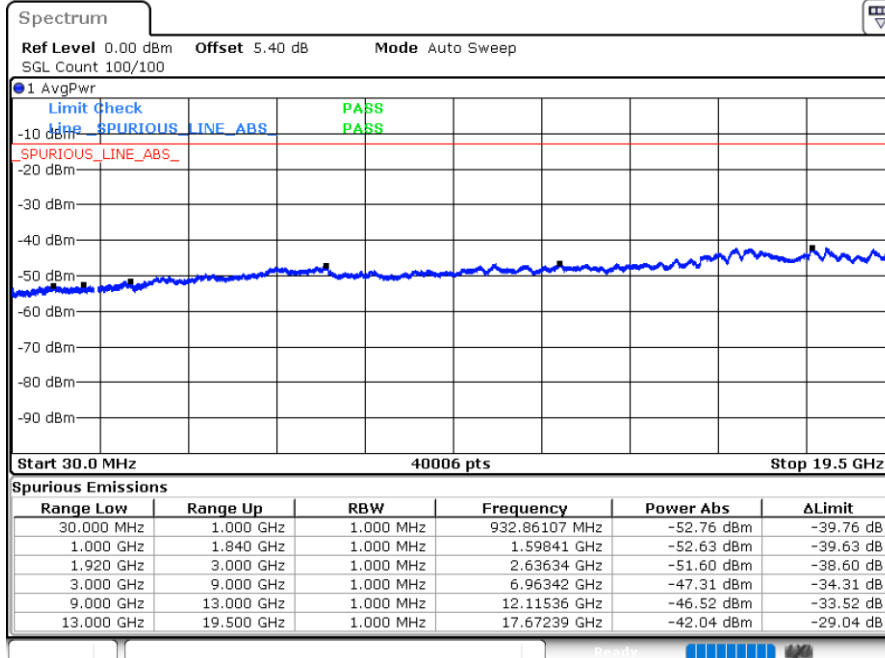
Date: 27.AUG.2021 12:30:56

Middle Channel / QPSK



Date: 27.AUG.2021 12:31:36

Highest Channel / QPSK

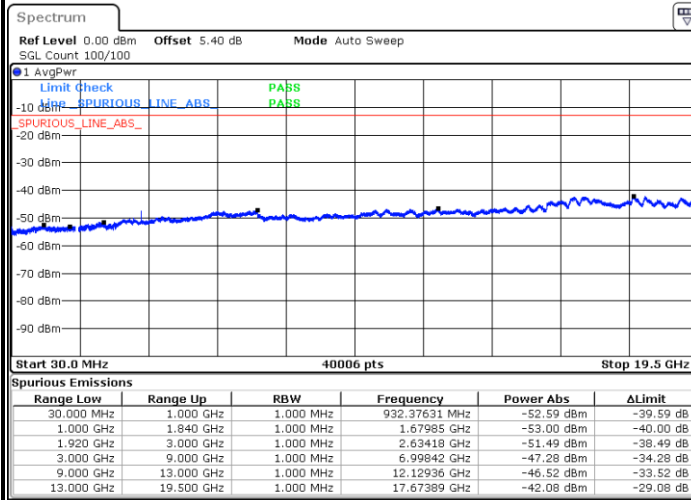


Date: 27.AUG.2021 13:14:44



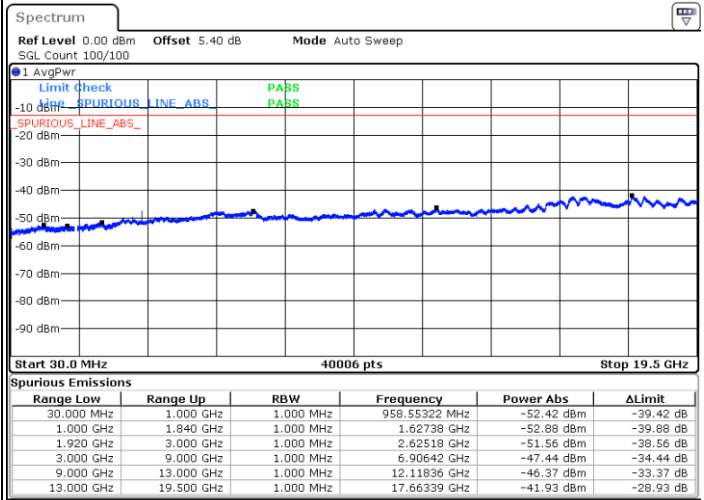
LTE Band 2 / 5MHz

Lowest Channel / QPSK



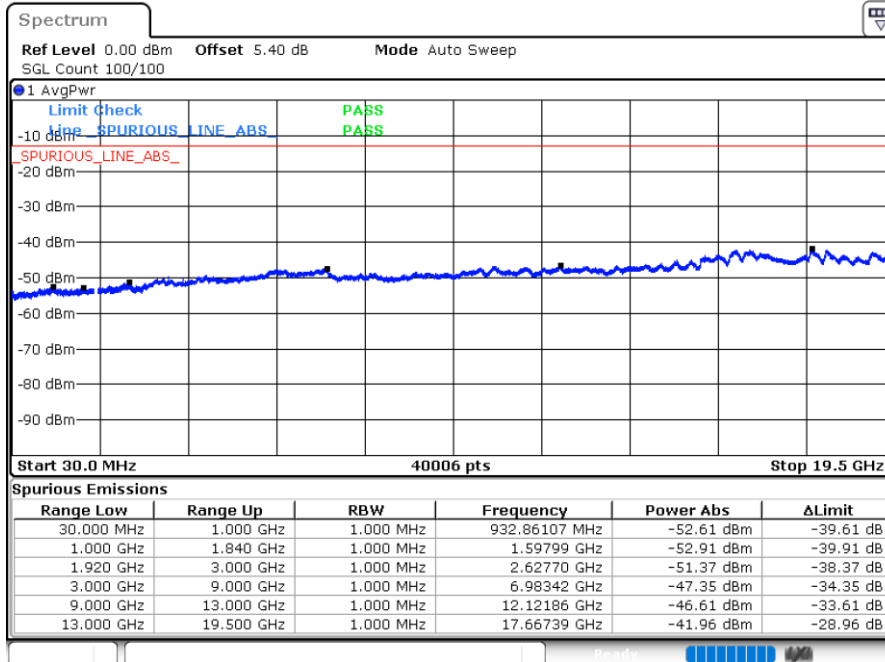
Date: 27.AUG.2021 13:19:38

Middle Channel / QPSK



Date: 27.AUG.2021 13:20:17

Highest Channel / QPSK

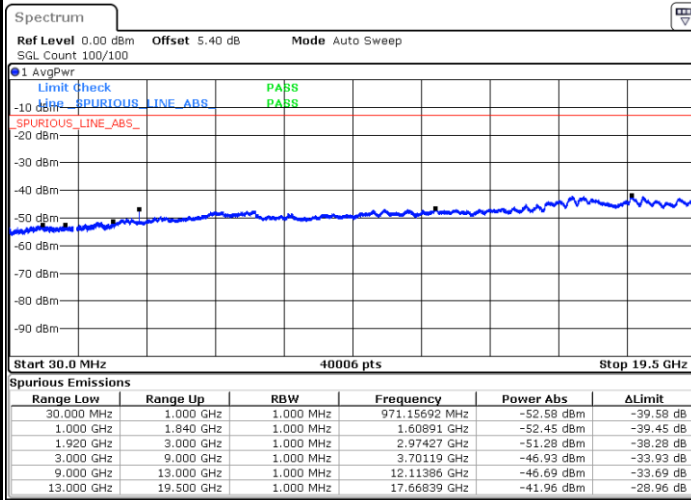


Date: 27.AUG.2021 13:24:52



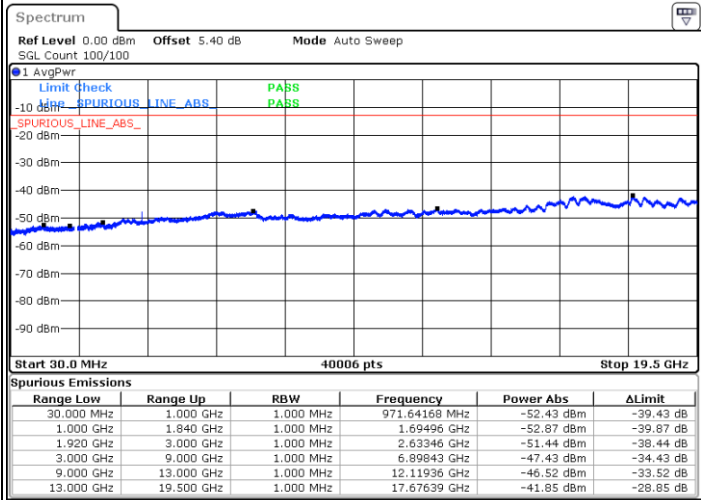
LTE Band 2 / 10MHz

Lowest Channel / QPSK



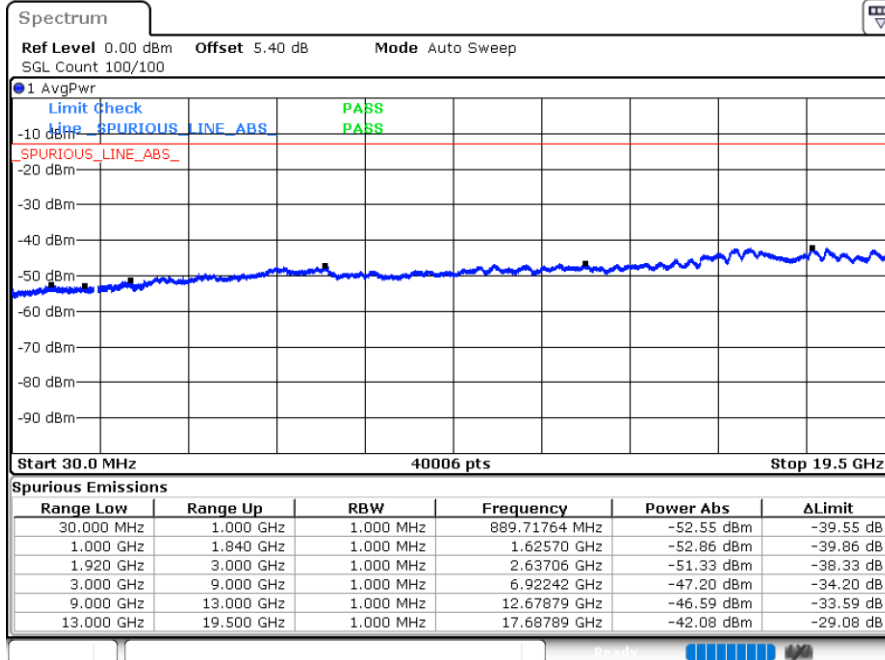
Date: 27.AUG.2021 13:29:59

Middle Channel / QPSK



Date: 27.AUG.2021 13:30:38

Highest Channel / QPSK

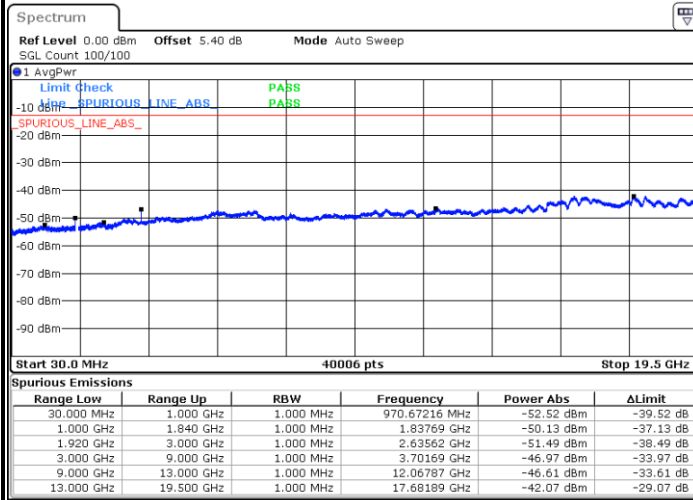


Date: 27.AUG.2021 13:35:13



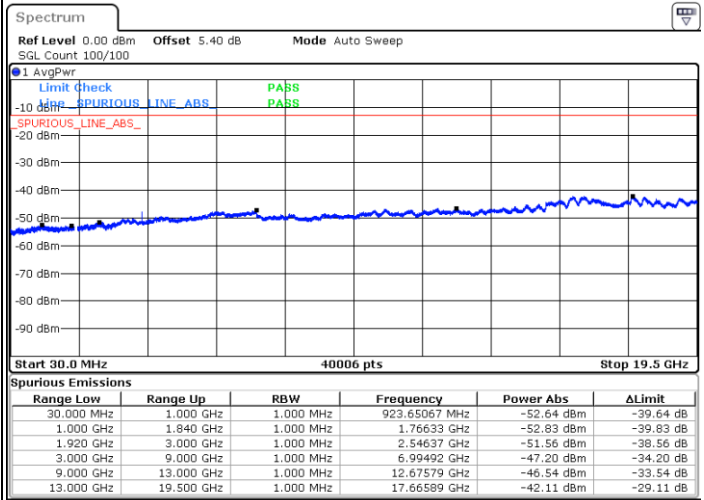
LTE Band 2 / 15MHz

Lowest Channel / QPSK



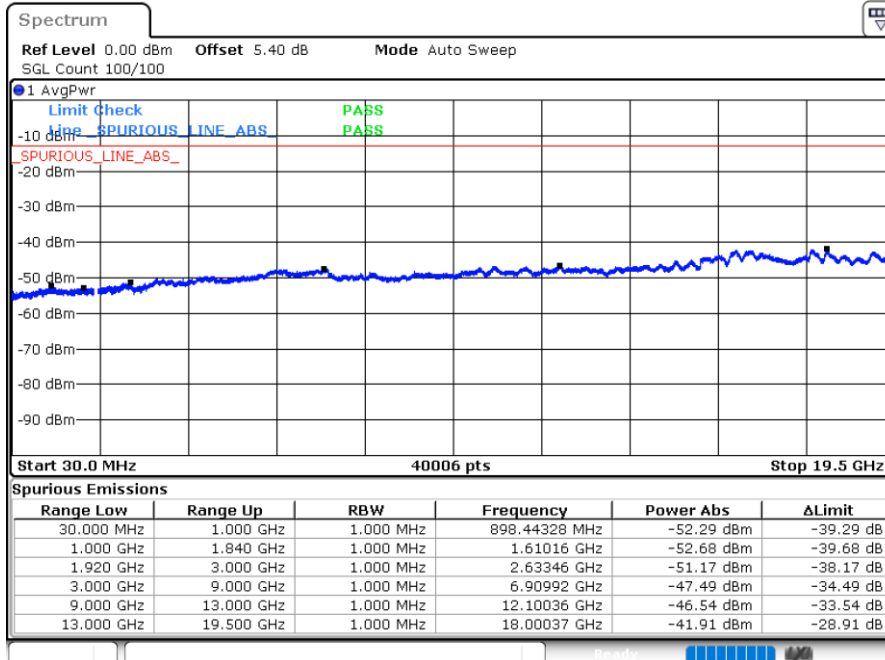
Date: 27.AUG.2021 13:41:31

Middle Channel / QPSK



Date: 27.AUG.2021 13:42:11

Highest Channel / QPSK

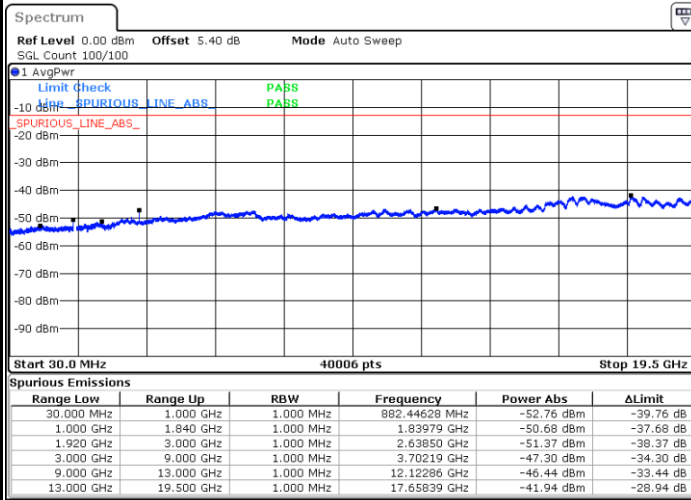


Date: 27.AUG.2021 13:46:45



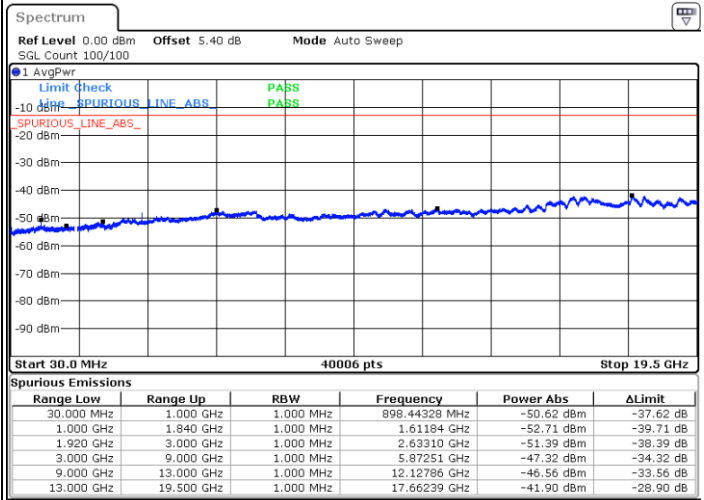
LTE Band 2 / 20MHz

Lowest Channel / QPSK



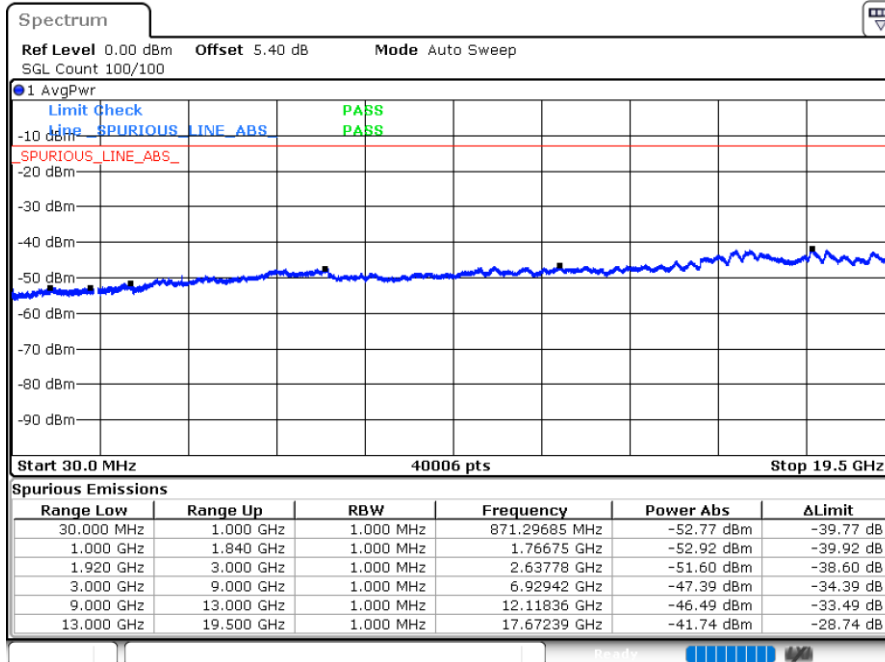
Date: 27.AUG.2021 13:51:39

Middle Channel / QPSK



Date: 27.AUG.2021 13:53:02

Highest Channel / QPSK



Date: 27.AUG.2021 13:57:36

Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0008	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0016	
20	Battery End Point	0.0009	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



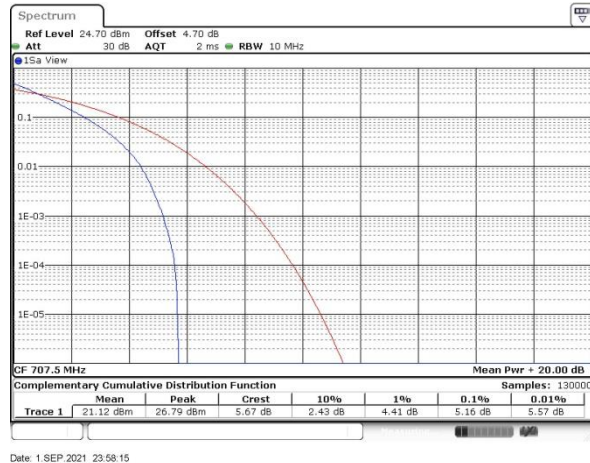
LTE Band 12

Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.16	6.03	6.64	6.87	PASS

LTE Band 12 / 10MHz

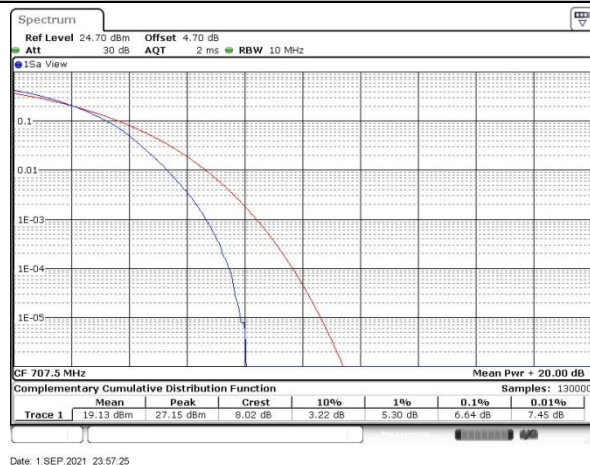
Middle Channel / Full RB/ QPSK

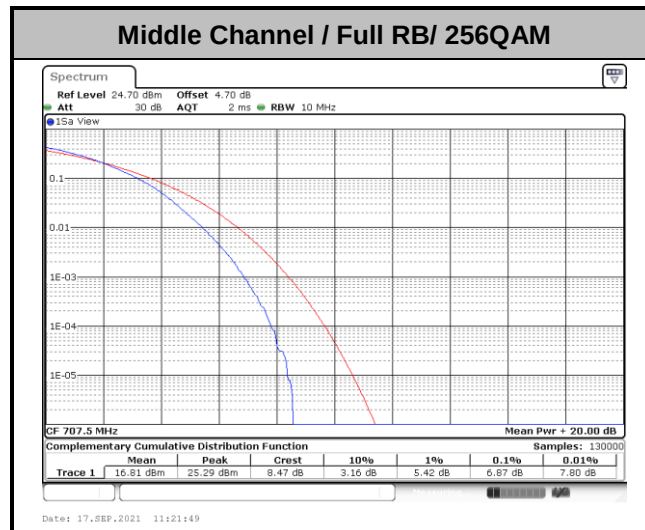


Middle Channel / Full RB/ 16QAM



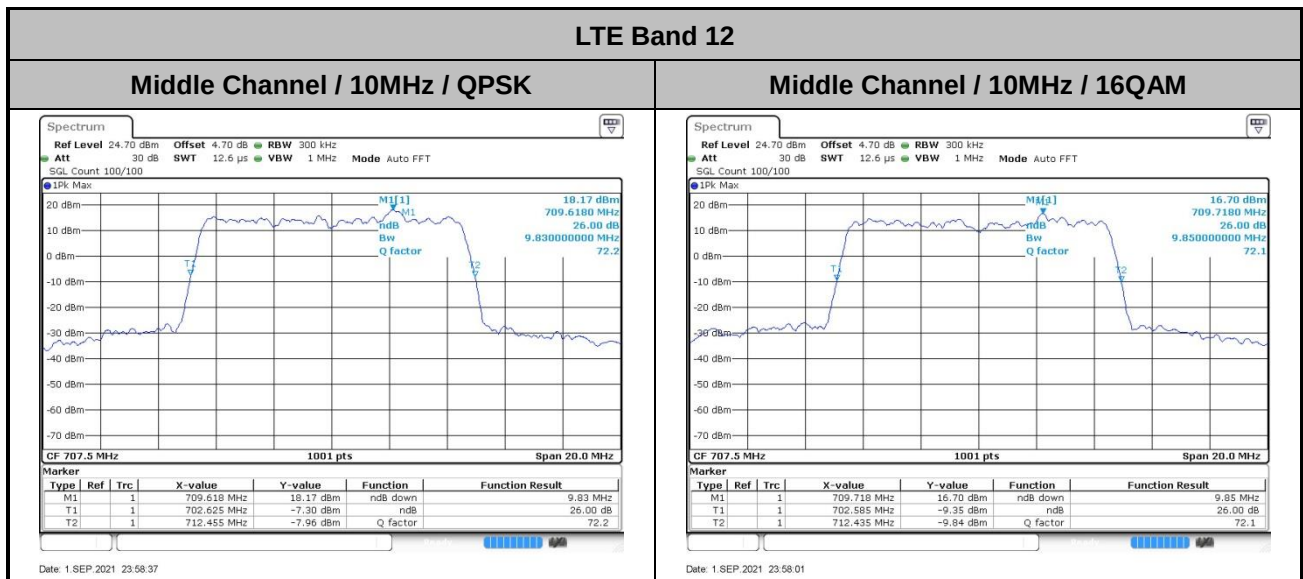
Middle Channel / Full RB/ 64QAM





**26dB Bandwidth**

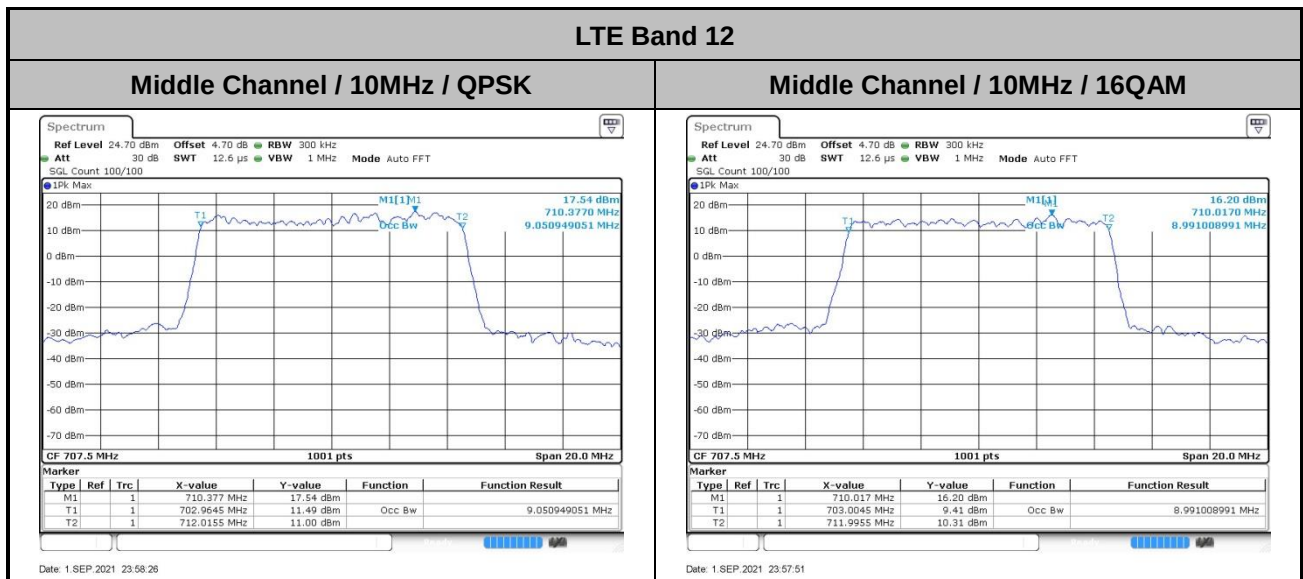
Mode	LTE Band 12 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.83	9.85





Occupied Bandwidth

Mode	LTE Band 12 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.05	8.99





Conducted Band Edge



LTE Band 12 / 1.4MHz / QPSK

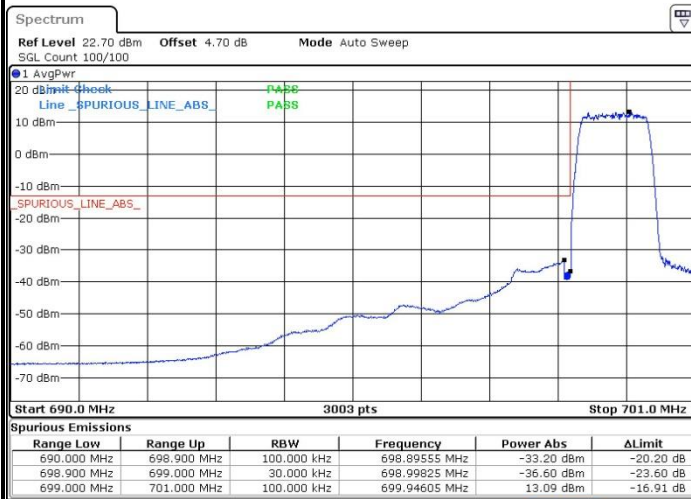
Lowest Band Edge / 1RB



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 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



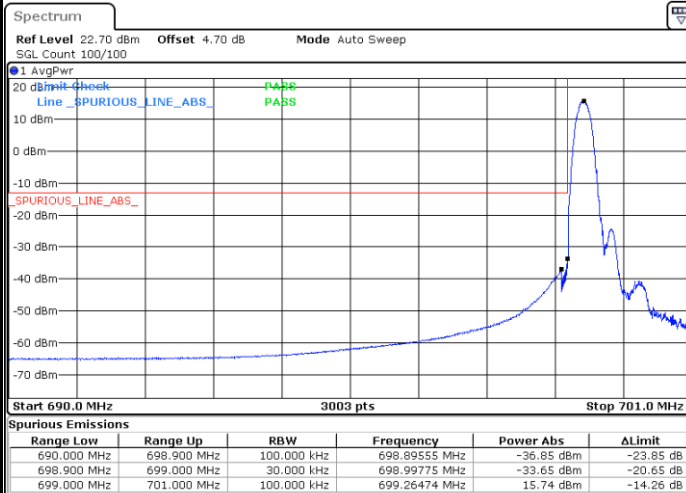
Highest Band Edge / Full RB



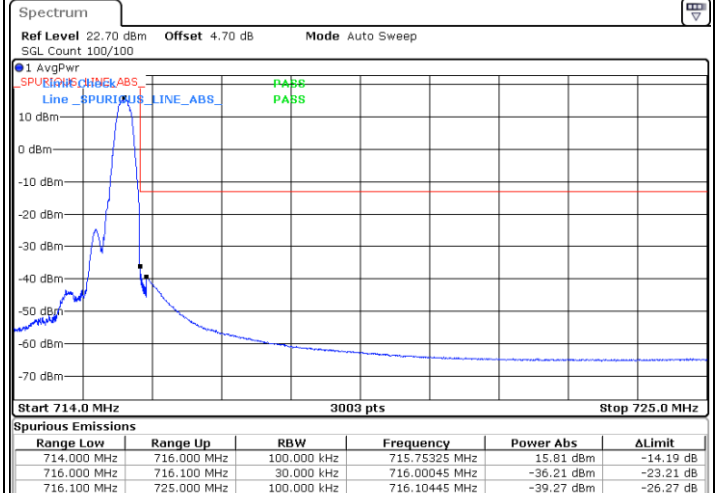


LTE Band 12 / 1.4MHz / 256QAM

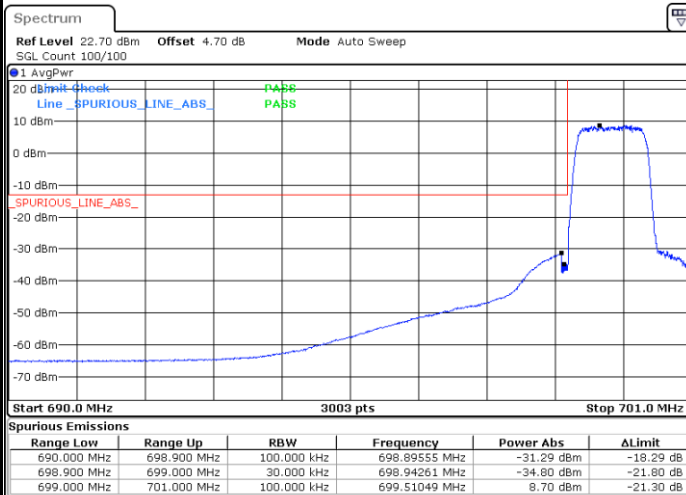
Lowest Band Edge / 1 RB



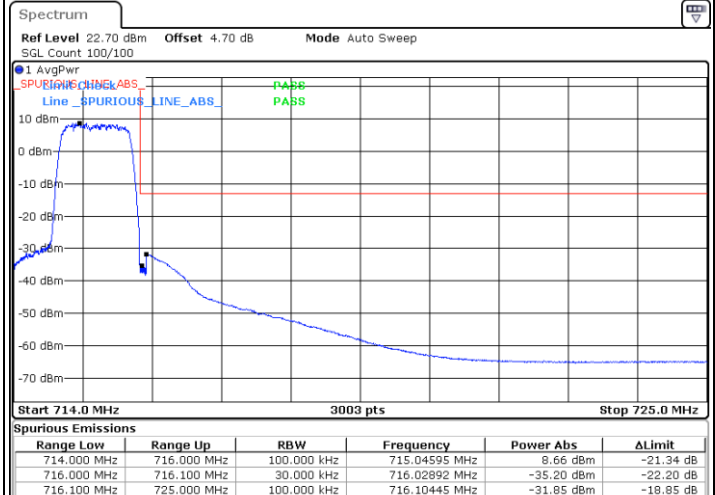
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



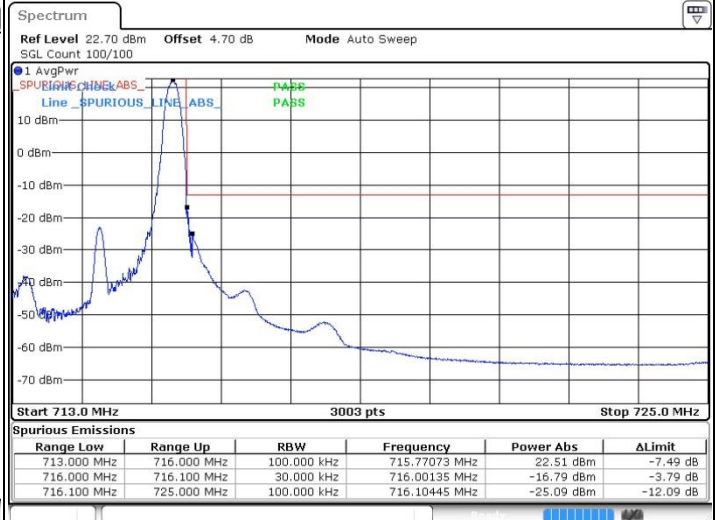
LTE Band 12 / 3MHz / QPSK



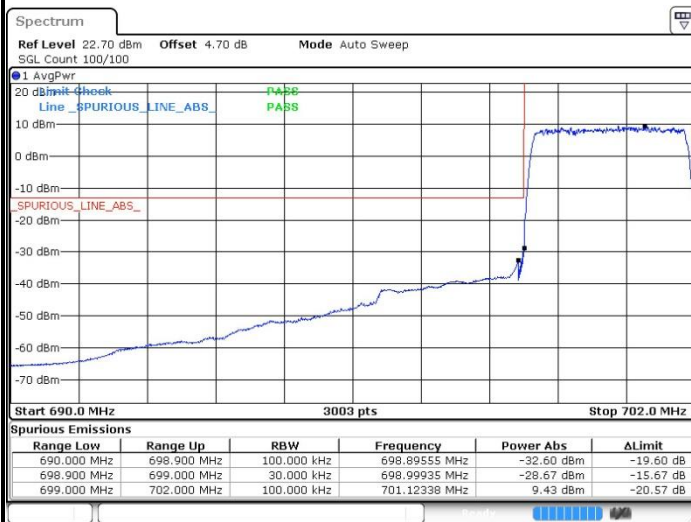
Lowest Band Edge / 1RB



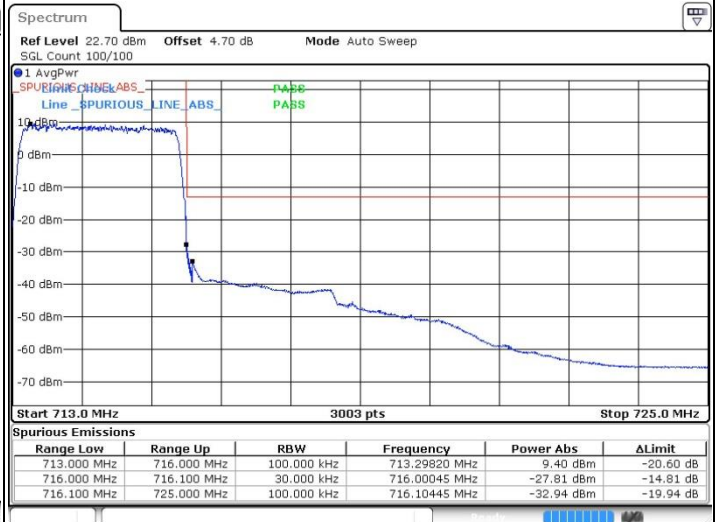
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



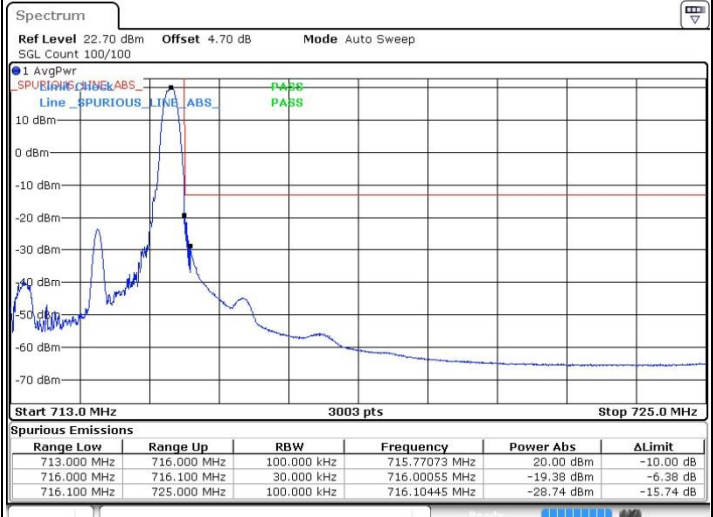


LTE Band 12 / 3MHz / 16QAM

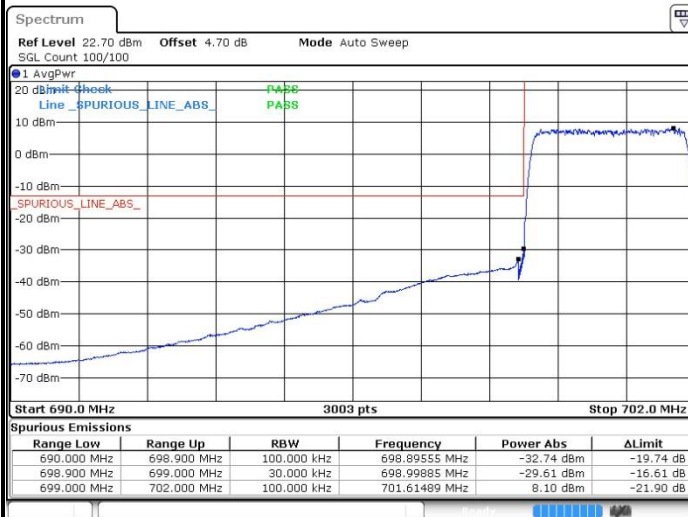
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



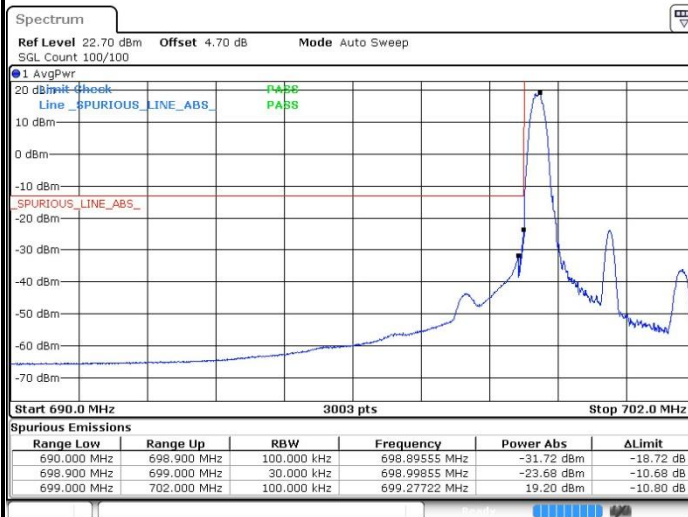
Highest Band Edge / Full RB



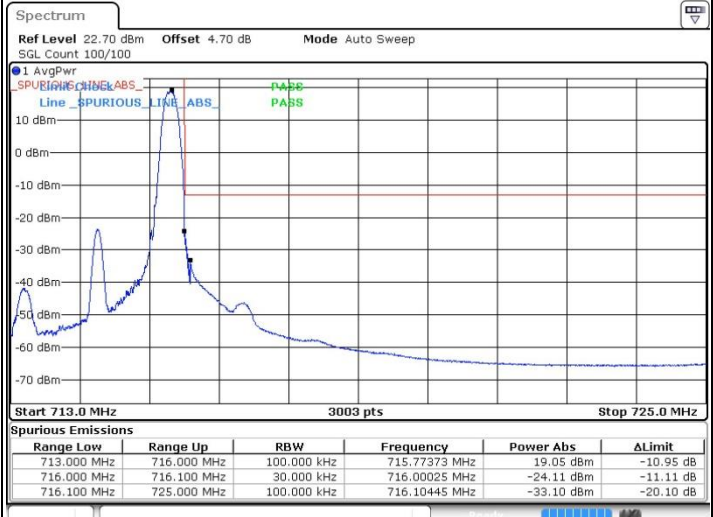


LTE Band 12 / 3MHz / 64QAM

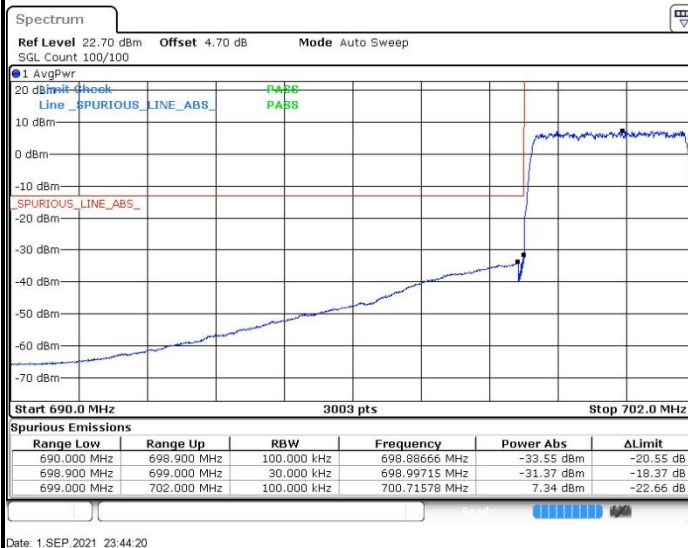
Lowest Band Edge / 1 RB



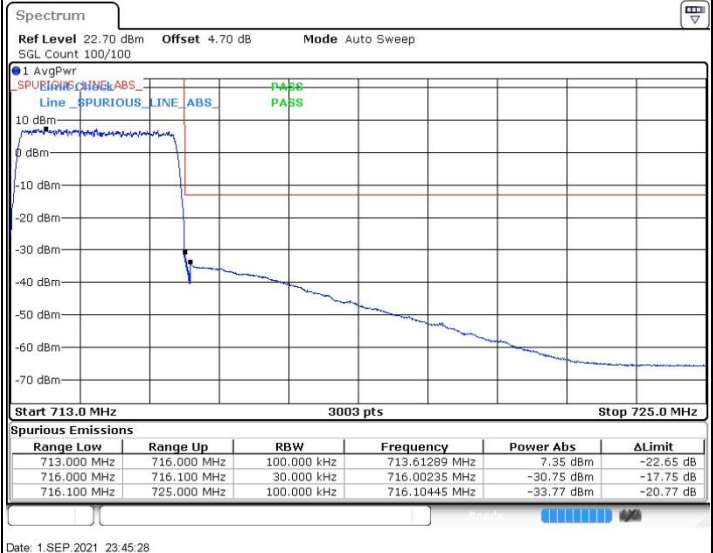
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



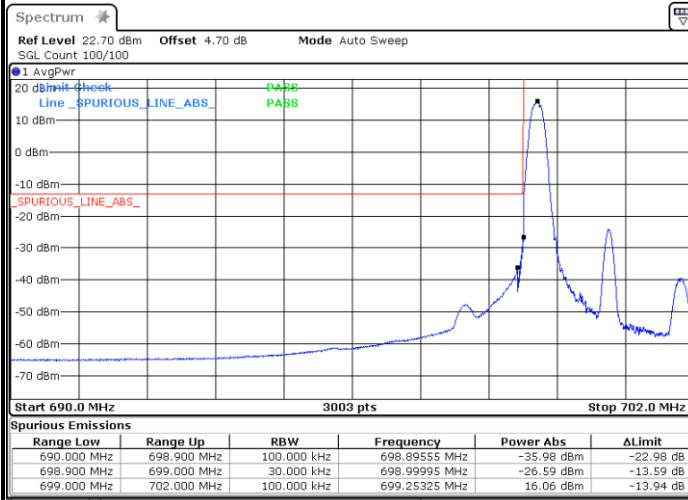
Highest Band Edge / Full RB



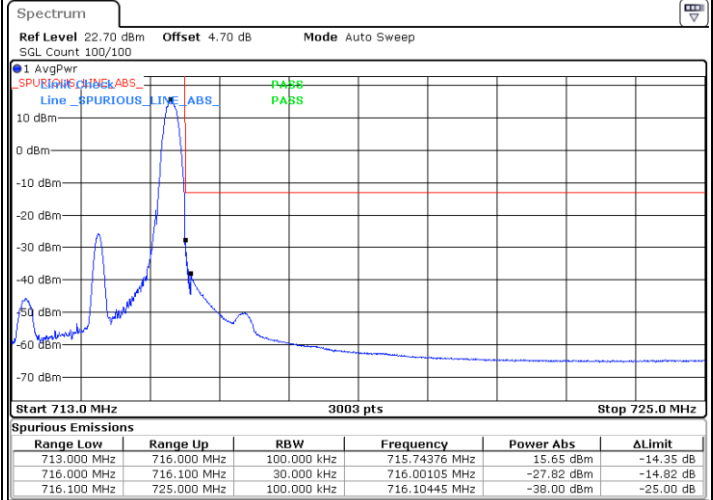


LTE Band 12 / 3MHz / 256QAM

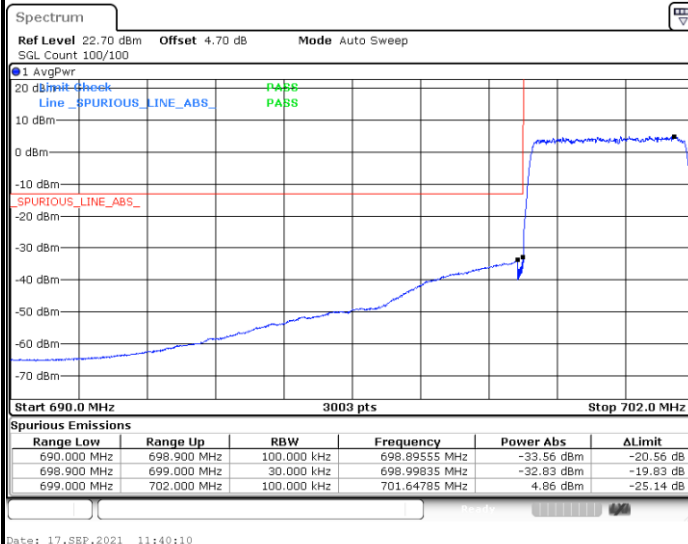
Lowest Band Edge / 1 RB



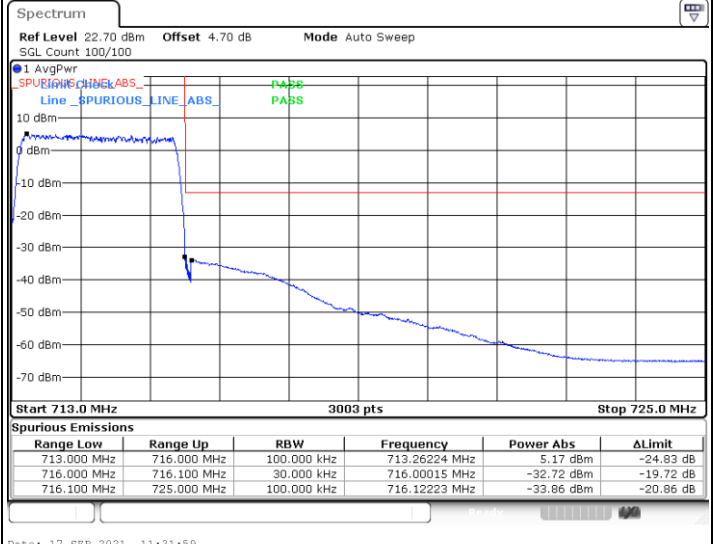
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



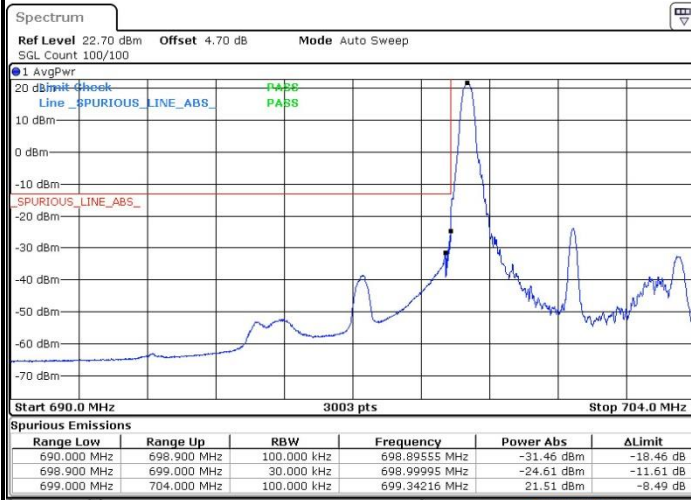
Highest Band Edge / Full RB



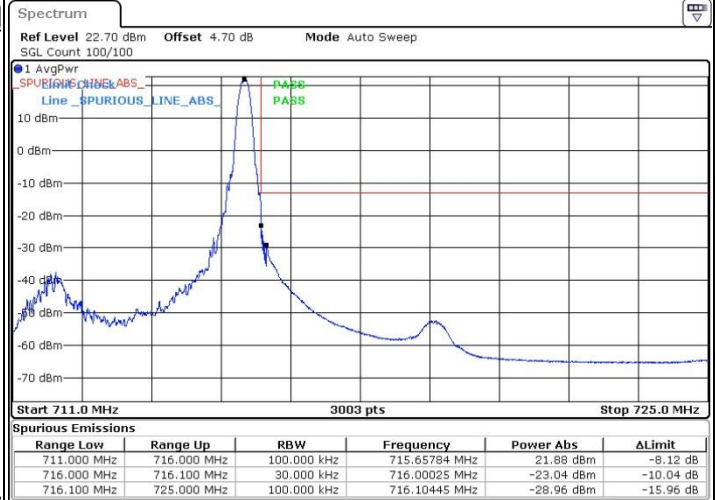


LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



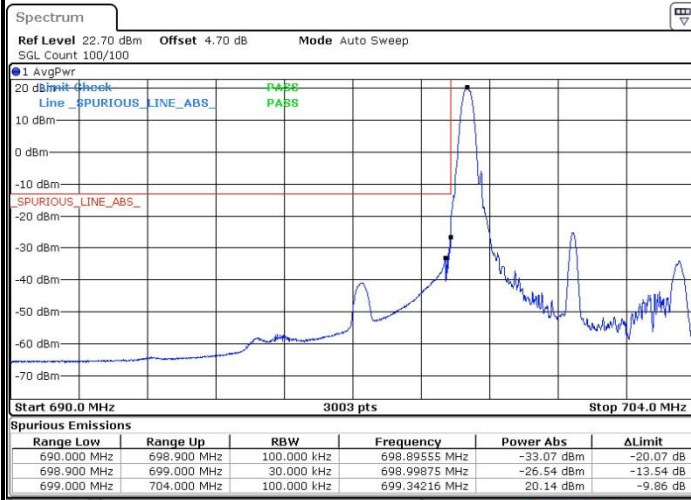
Highest Band Edge / Full RB



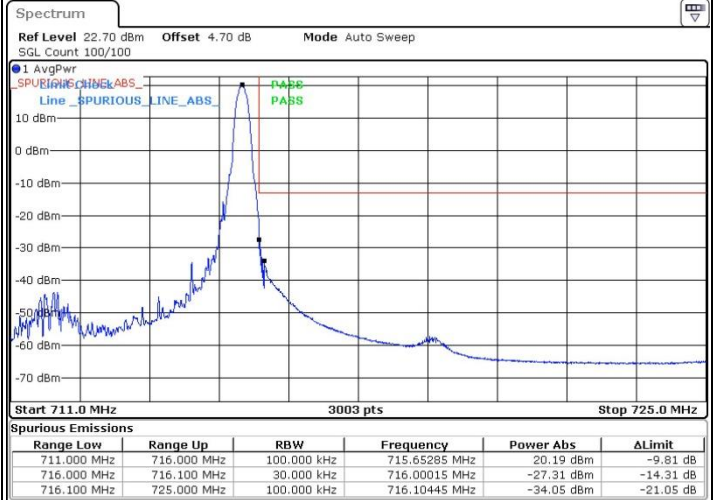


LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

