

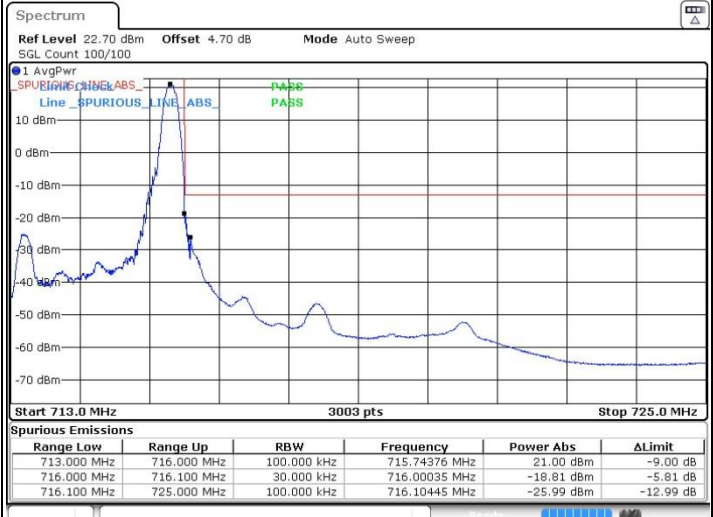


LTE Band 12 / 3MHz / QPSK

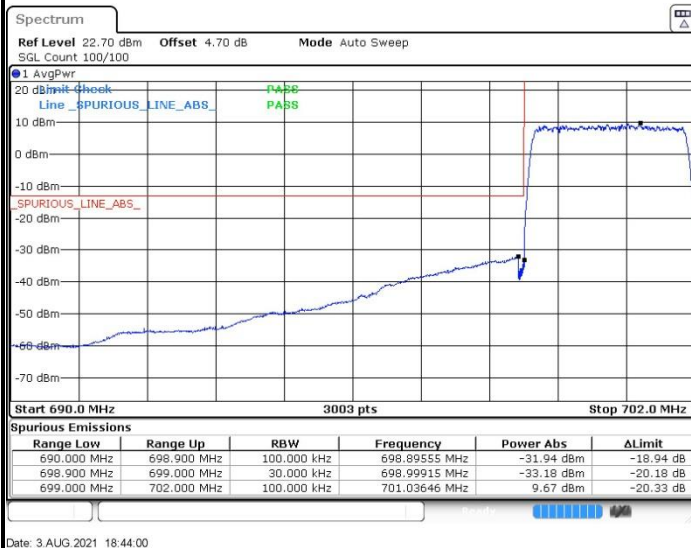
Lowest Band Edge / 1RB



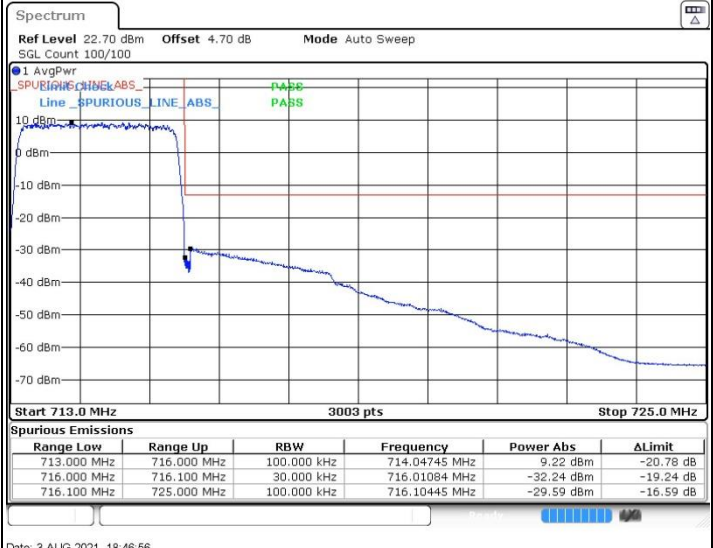
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



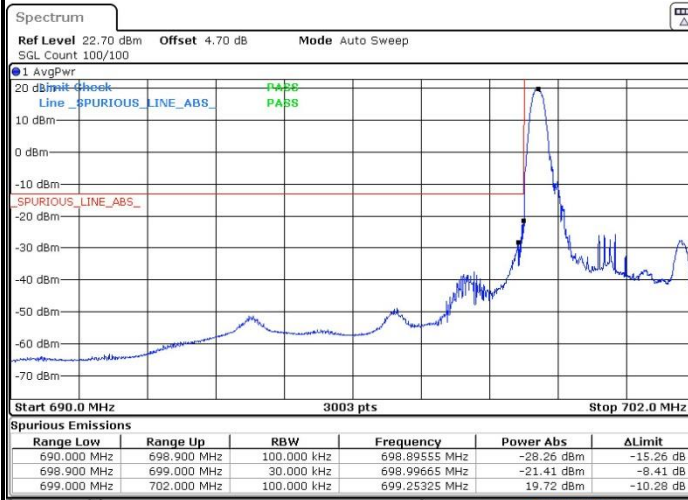
Highest Band Edge / Full RB



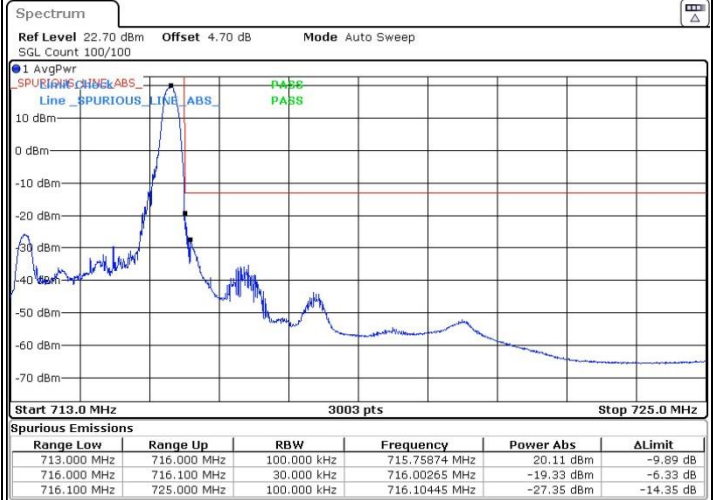


LTE Band 12 / 3MHz / 16QAM

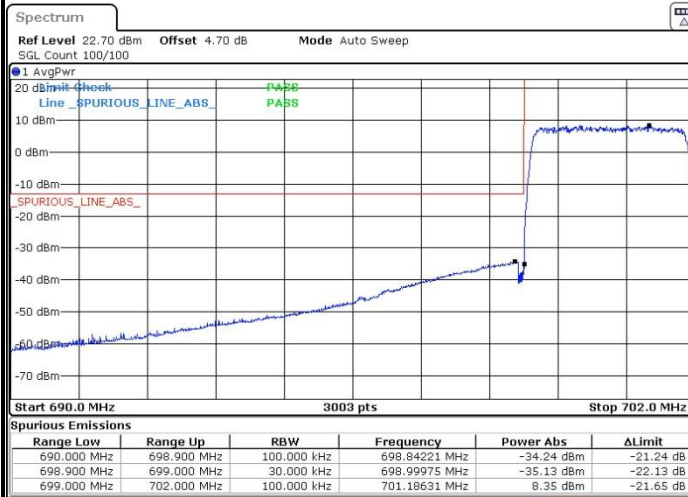
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



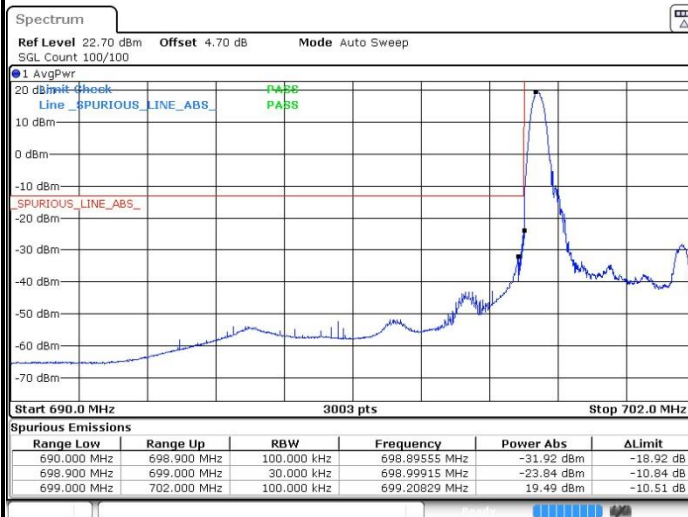
Highest Band Edge / Full RB



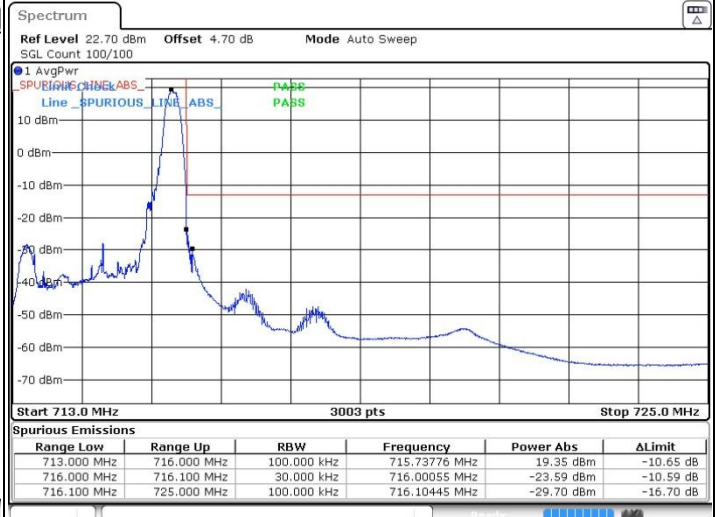


LTE Band 12 / 3MHz / 64QAM

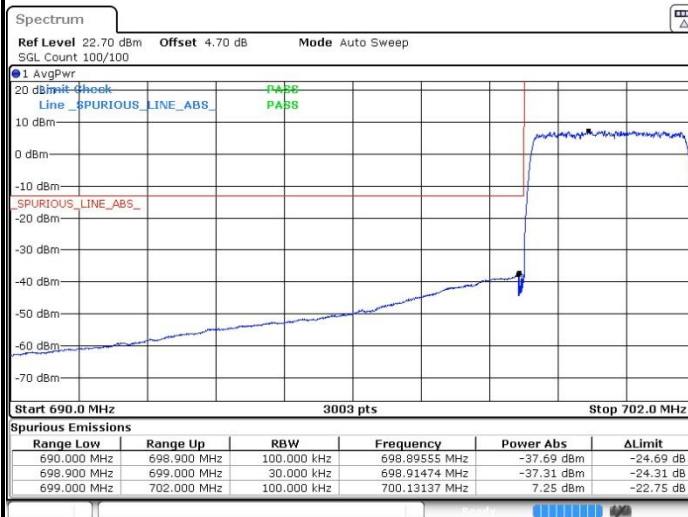
Lowest Band Edge / 1 RB



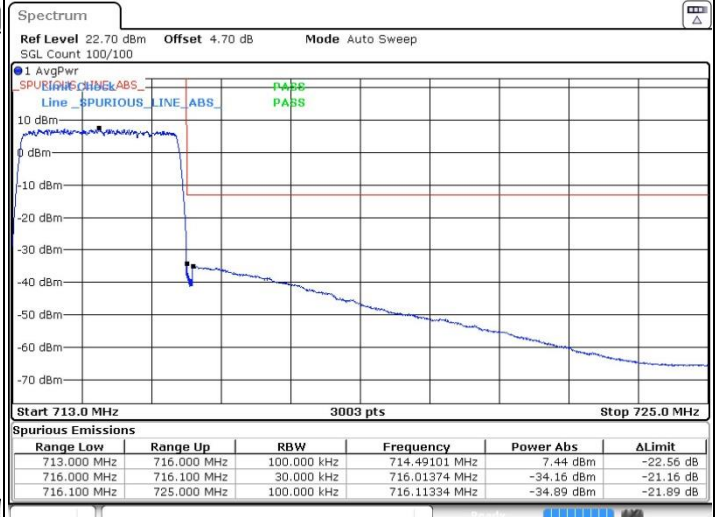
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



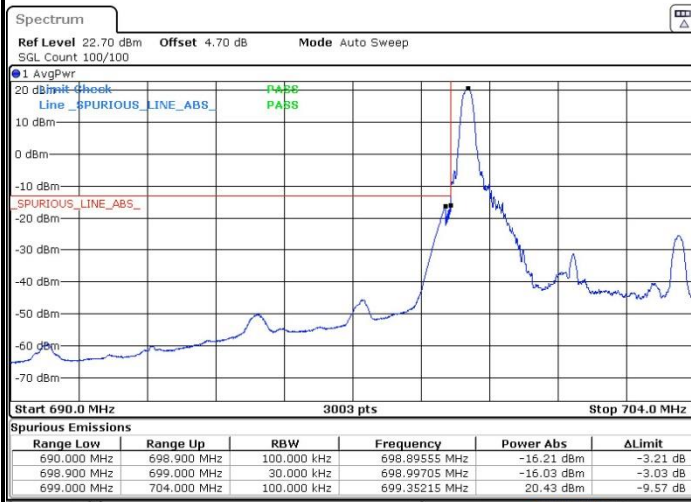
Highest Band Edge / Full RB





LTE Band 12 / 5MHz / QPSK

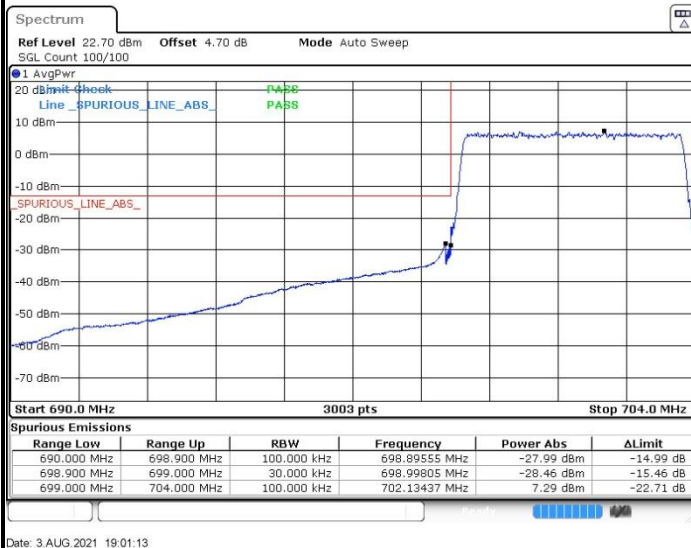
Lowest Band Edge / 1 RB



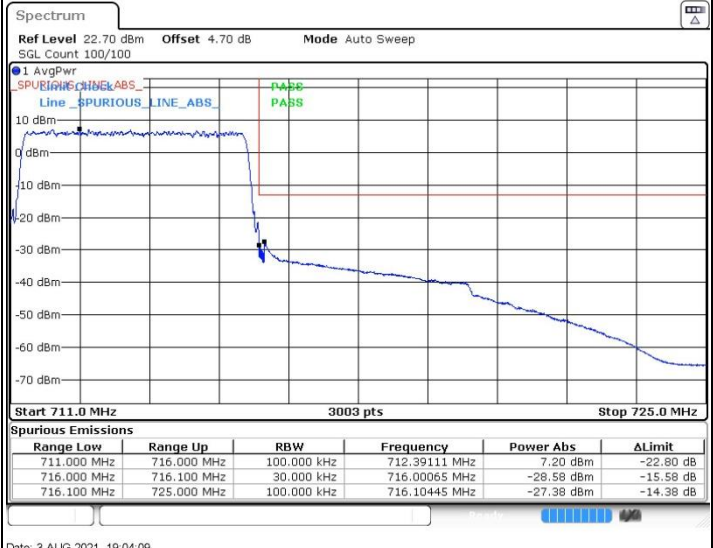
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



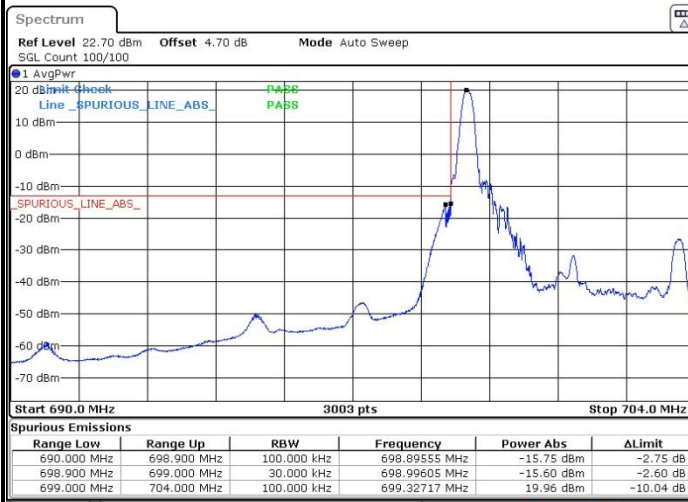
Highest Band Edge / Full RB





LTE Band 12 / 5MHz / 16QAM

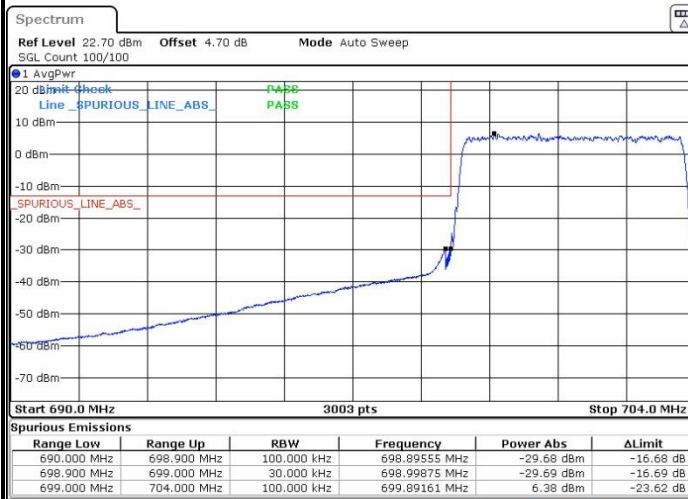
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



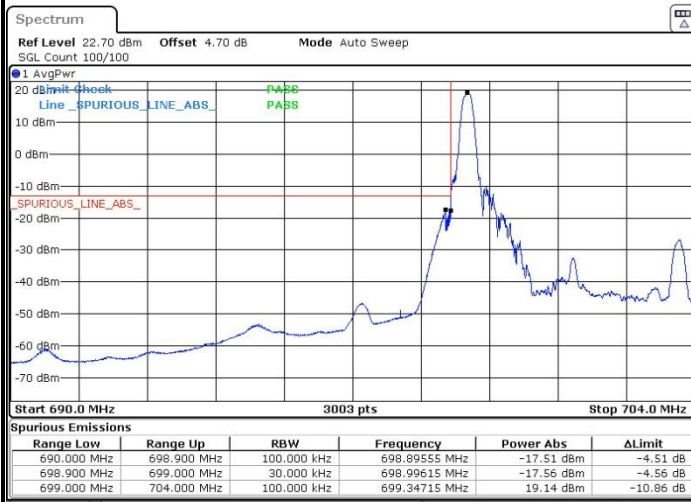
Highest Band Edge / Full RB





LTE Band 12 / 5MHz / 64QAM

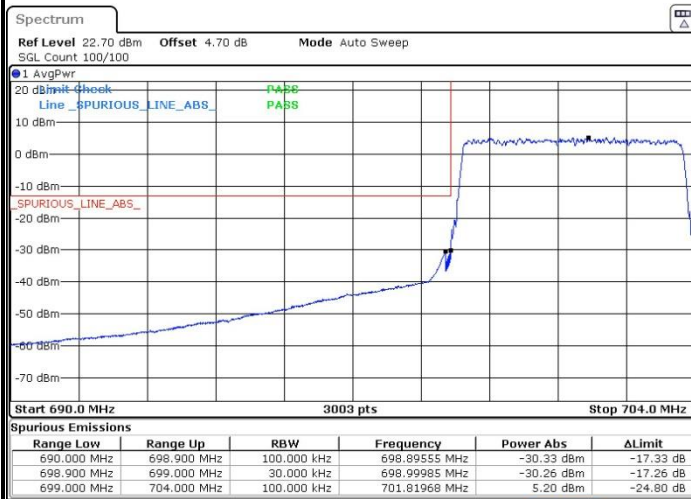
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



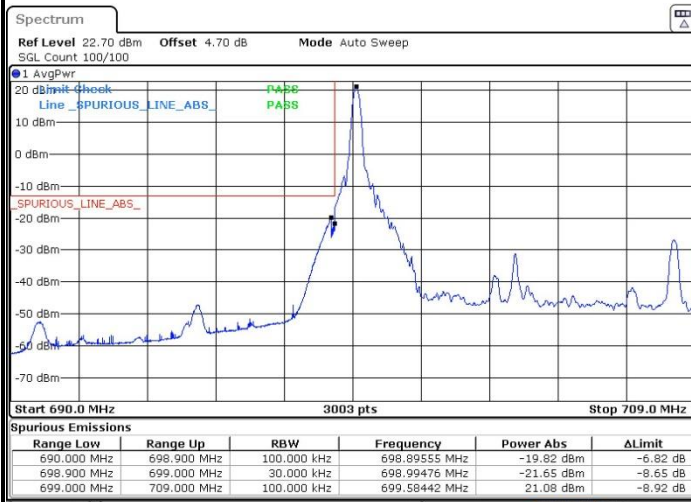
Highest Band Edge / Full RB



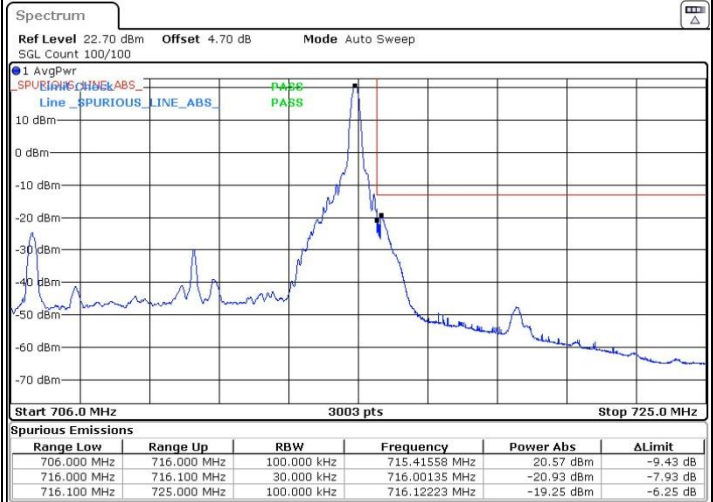


LTE Band 12 / 10MHz / QPSK

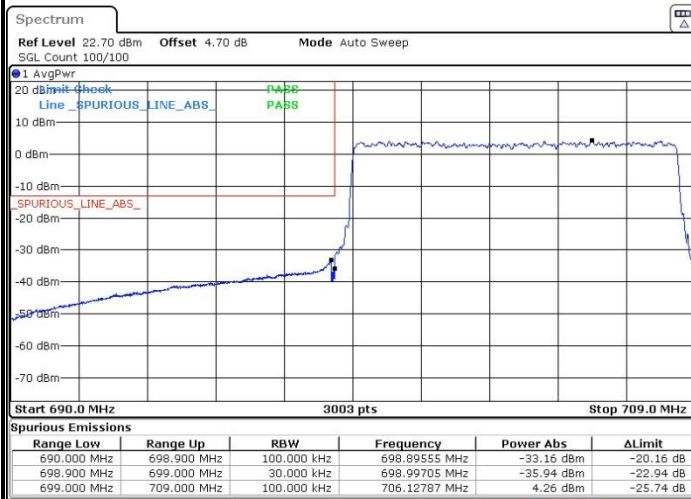
Lowest Band Edge / 1 RB



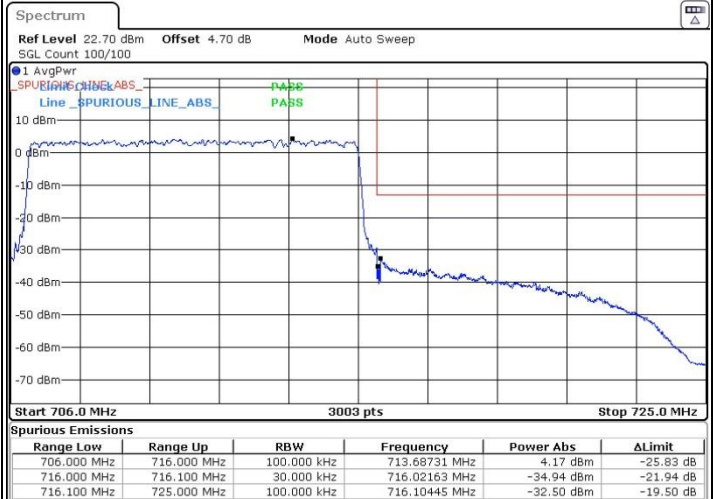
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



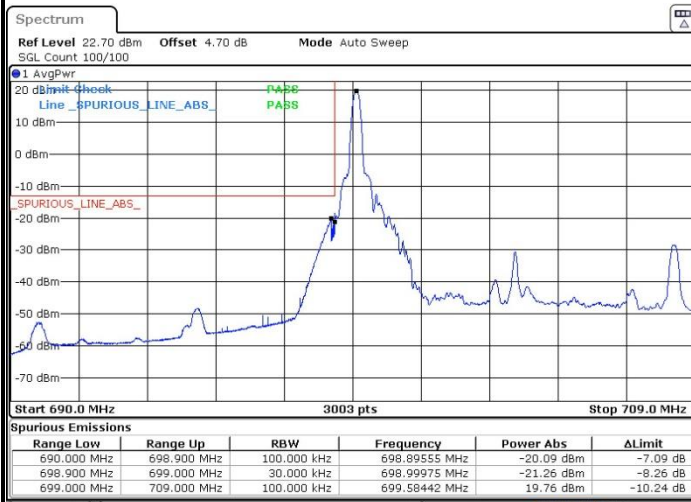
Highest Band Edge / Full RB



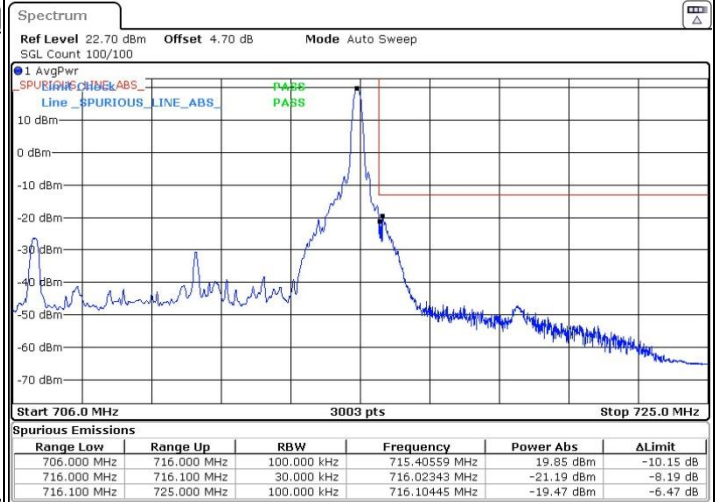


LTE Band 12 / 10MHz / 16QAM

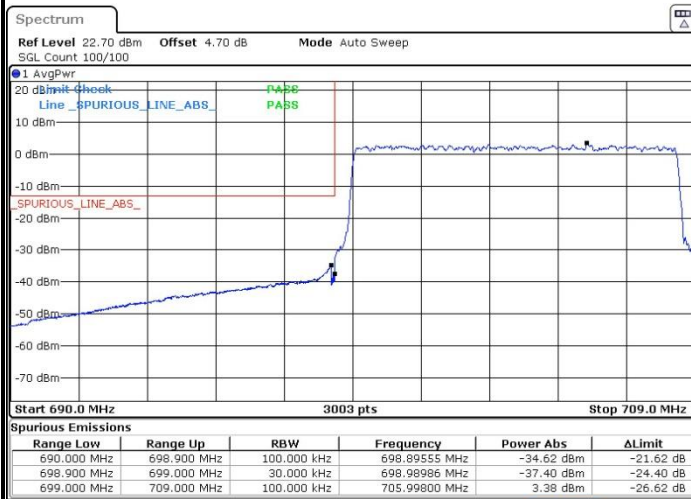
Lowest Band Edge / 1 RB



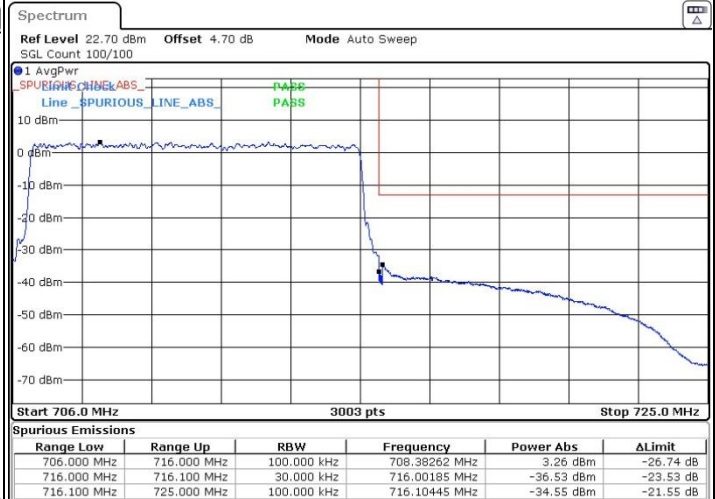
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



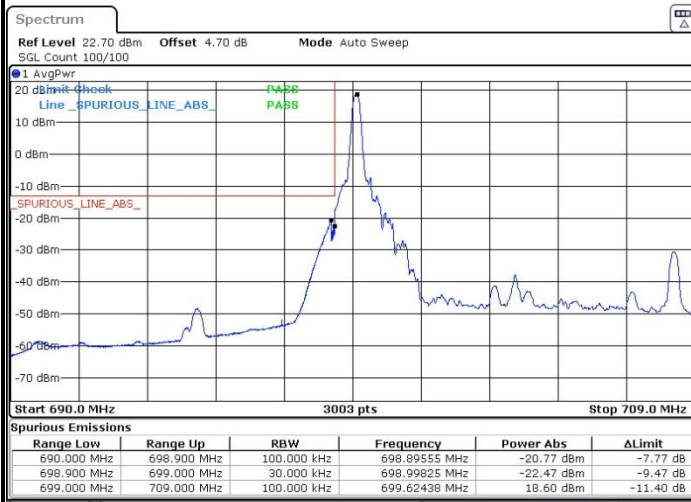
Highest Band Edge / Full RB



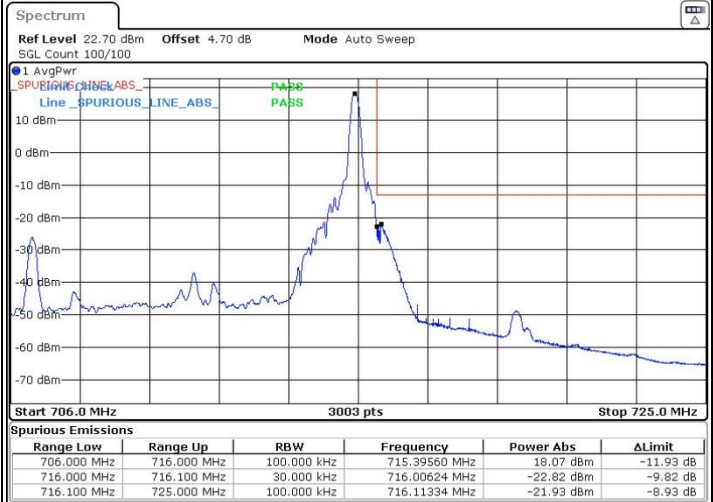


LTE Band 12 / 10MHz / 64QAM

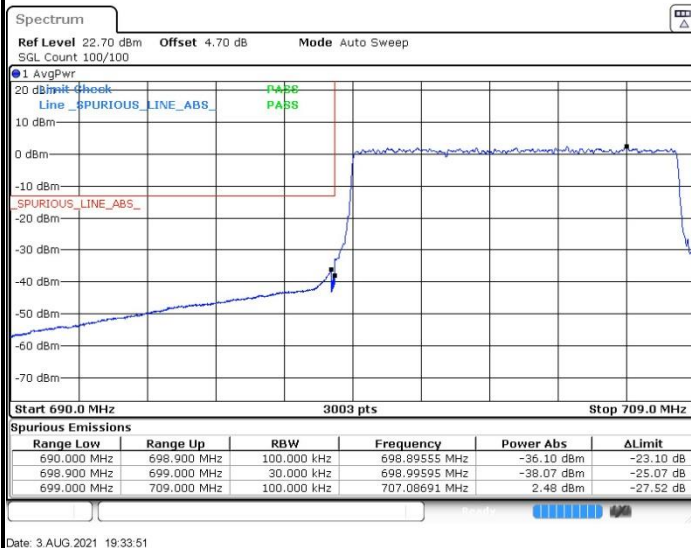
Lowest Band Edge / 1 RB



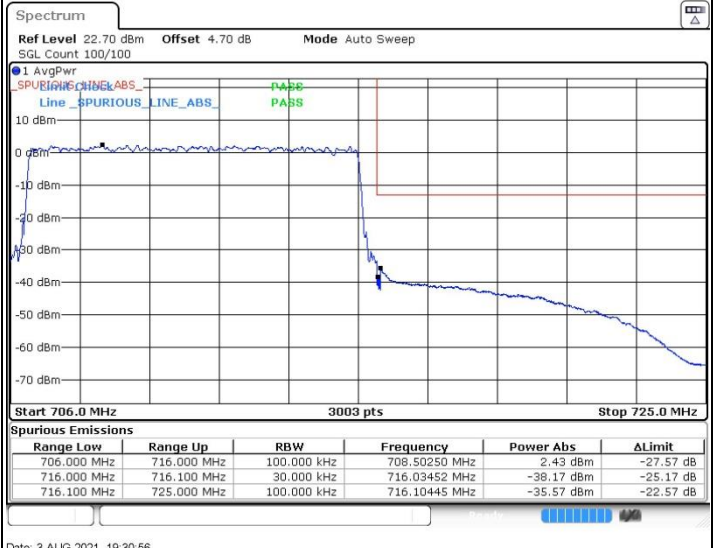
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

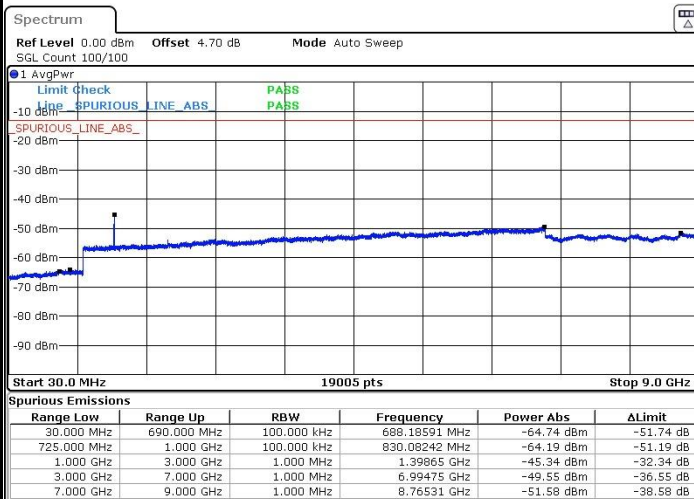




Conducted Spurious Emission

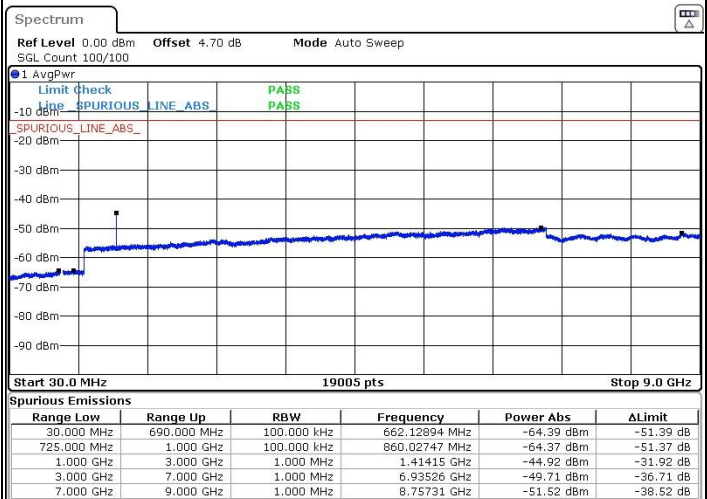
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



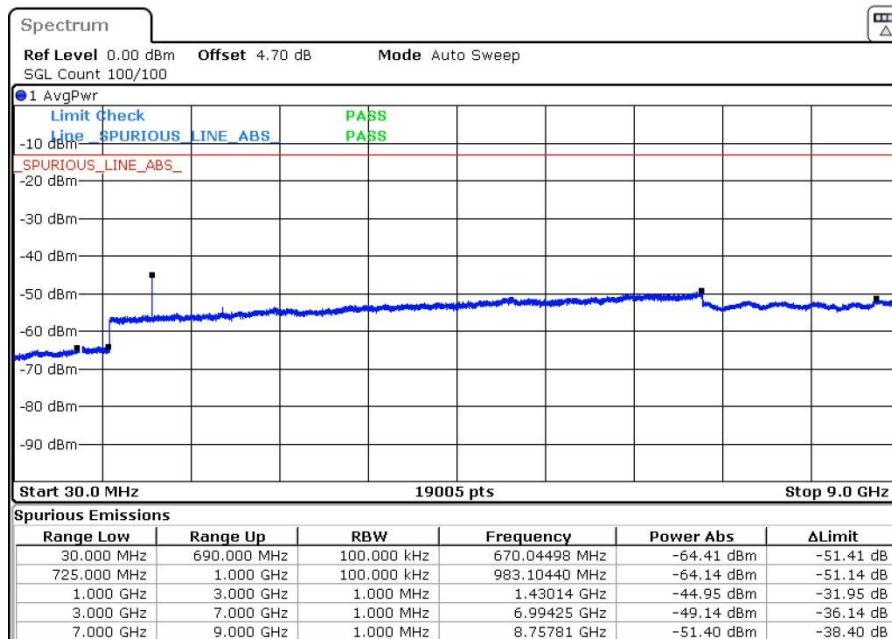
Date: 3 AUG 2021 18:22:52

Middle Channel / QPSK



Date: 3 AUG 2021 18:23:14

Highest Channel / QPSK

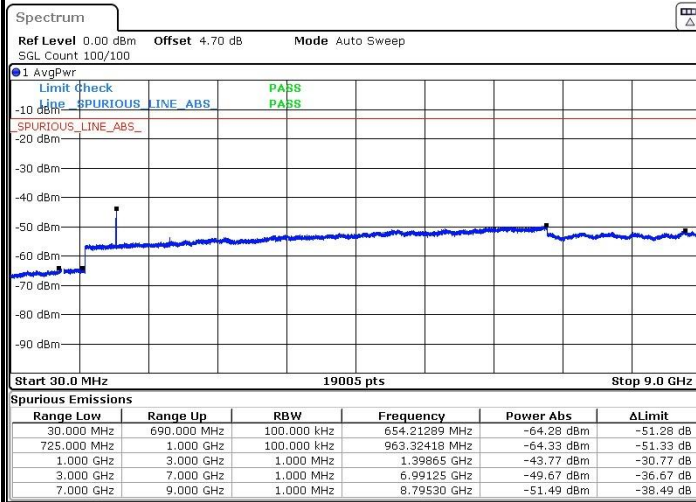


Date: 3 AUG 2021 18:23:37



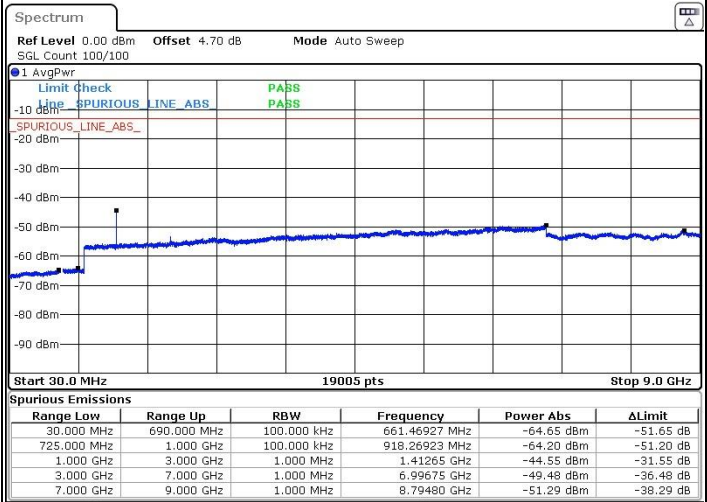
LTE Band 12 / 3MHz

Lowest Channel / QPSK



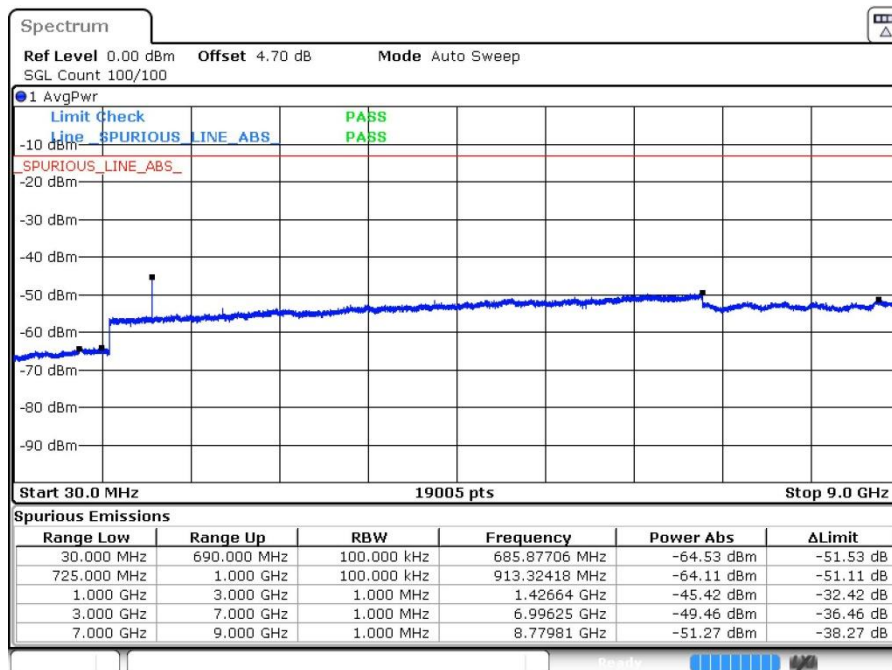
Date: 3 AUG 2021 18:40:19

Middle Channel / QPSK



Date: 3 AUG 2021 18:40:41

Highest Channel / QPSK

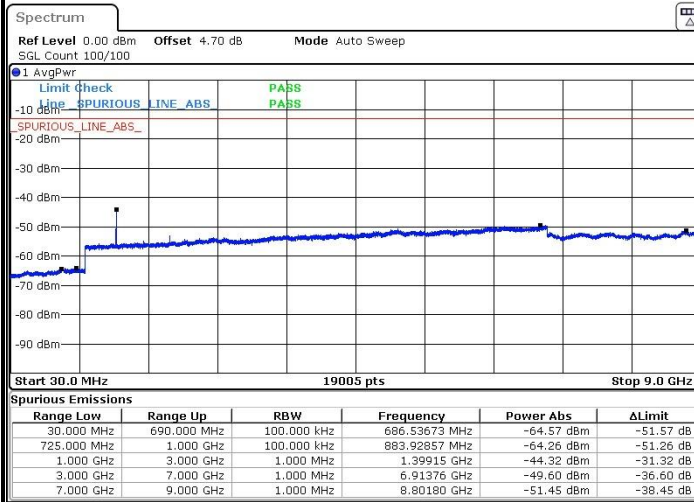


Date: 3 AUG 2021 18:41:04



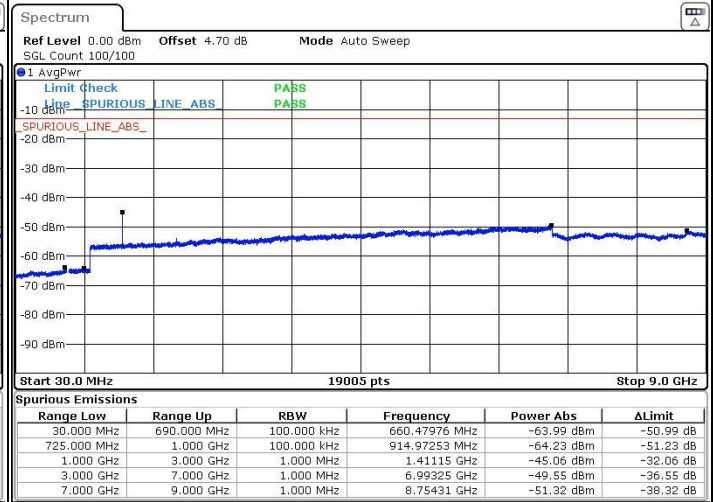
LTE Band 12 / 5MHz

Lowest Channel / QPSK



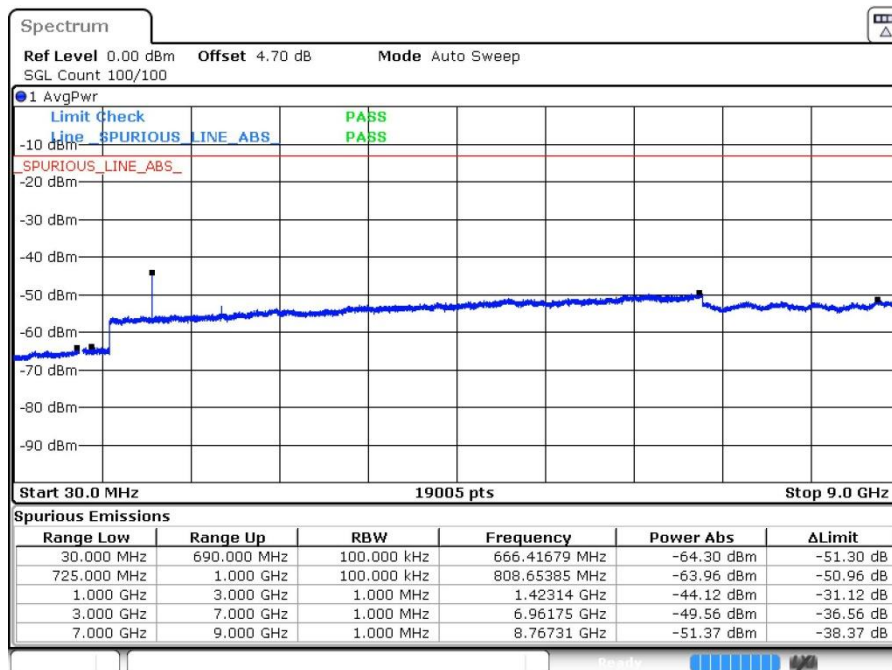
Date: 3 AUG 2021 18:57:32

Middle Channel / QPSK



Date: 3 AUG 2021 18:57:54

Highest Channel / QPSK

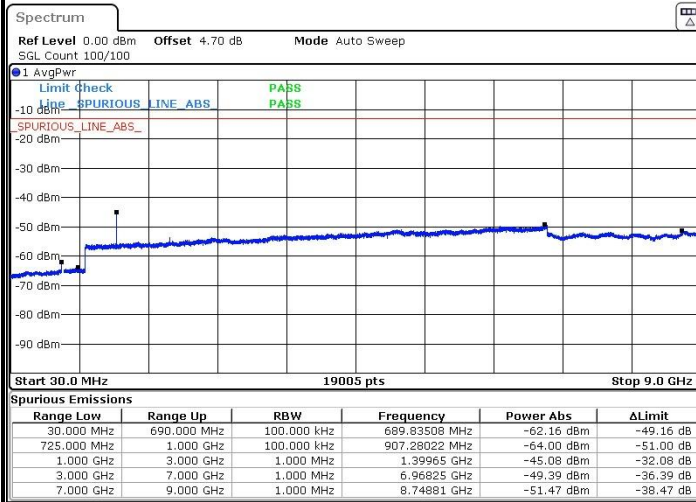


Date: 3 AUG 2021 18:58:17



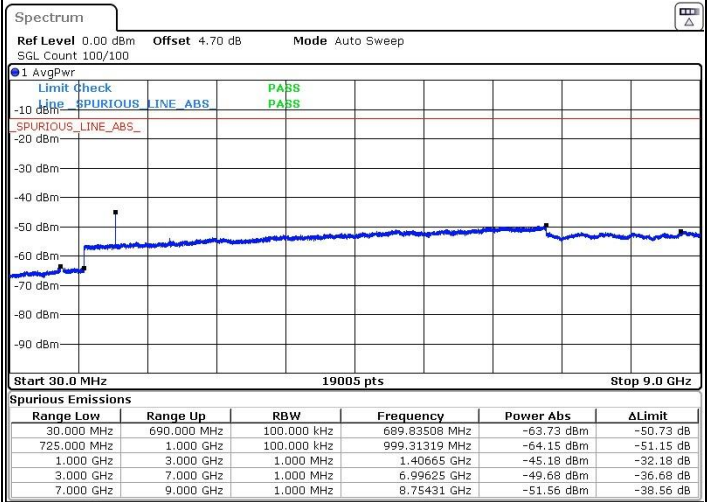
LTE Band 12 / 10MHz

Lowest Channel / QPSK



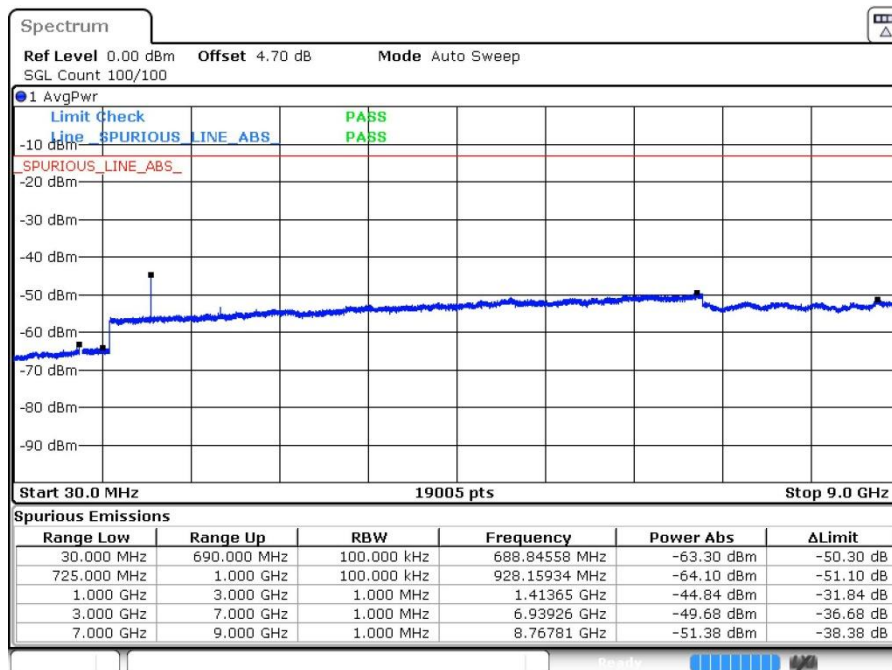
Date: 3 AUG 2021 19:07:22

Middle Channel / QPSK



Date: 3 AUG 2021 19:07:45

Highest Channel / QPSK



Date: 3 AUG 2021 19:08:07

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	0.0012	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0013	
20	Battery End Point	0.0006	

Note:

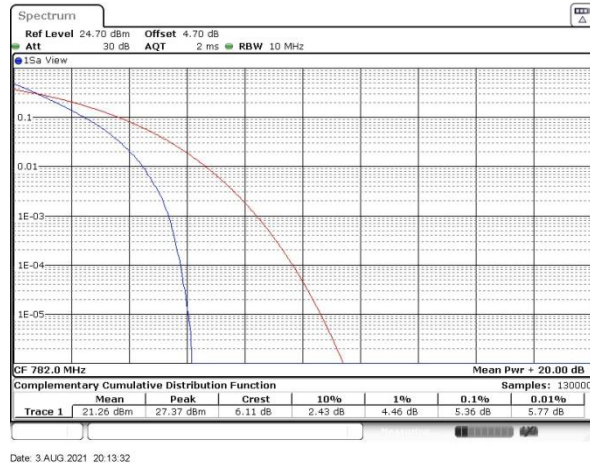
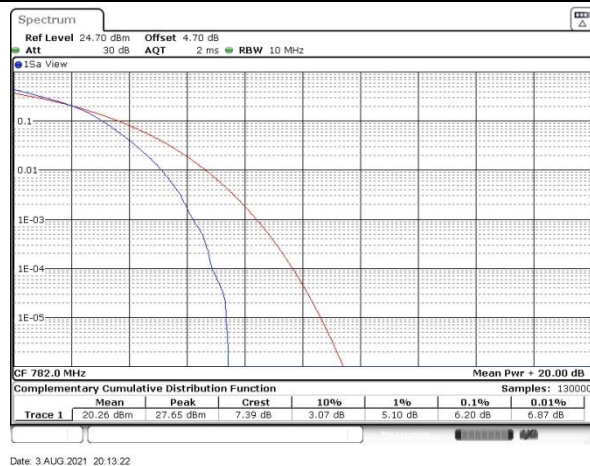
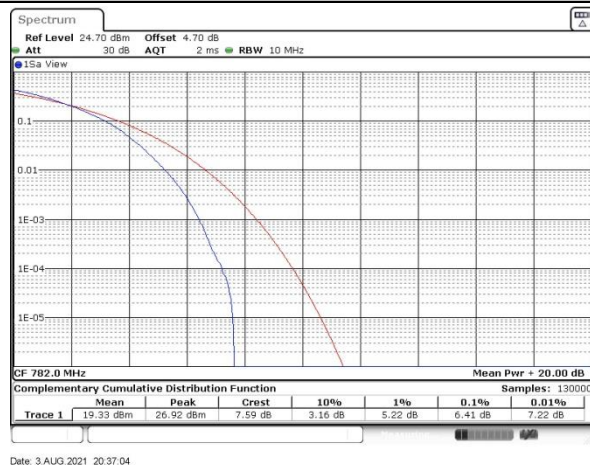
1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13

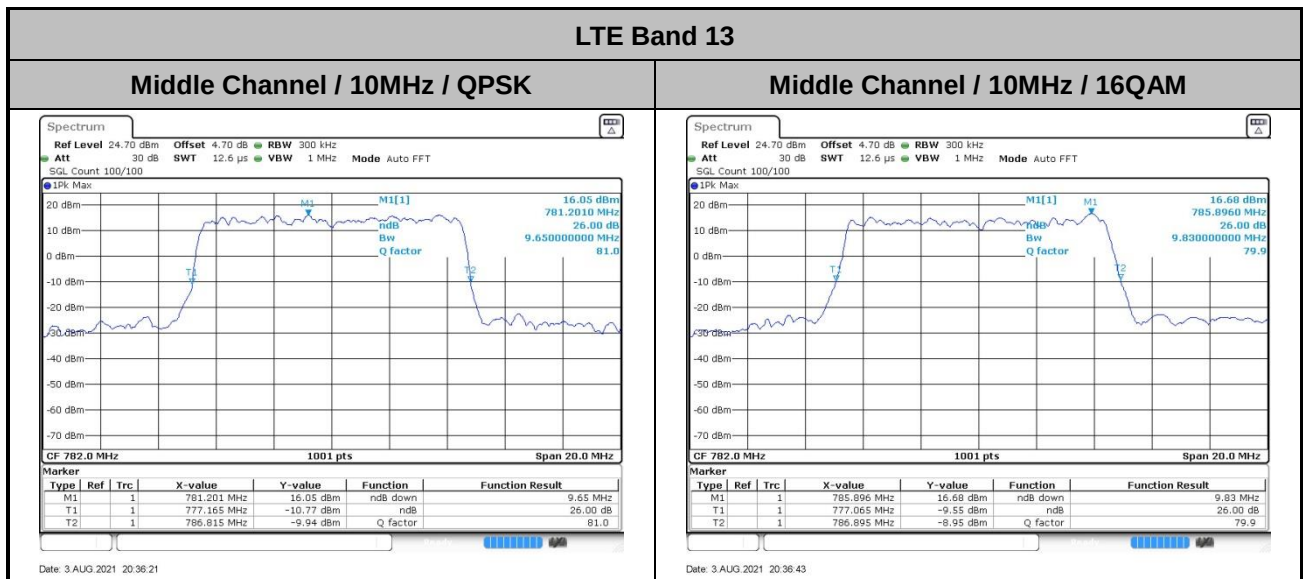
Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.36	6.20	6.41	PASS

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

Middle Channel / Full RB/ 16QAM

Middle Channel / Full RB/ 64QAM


**26dB Bandwidth**

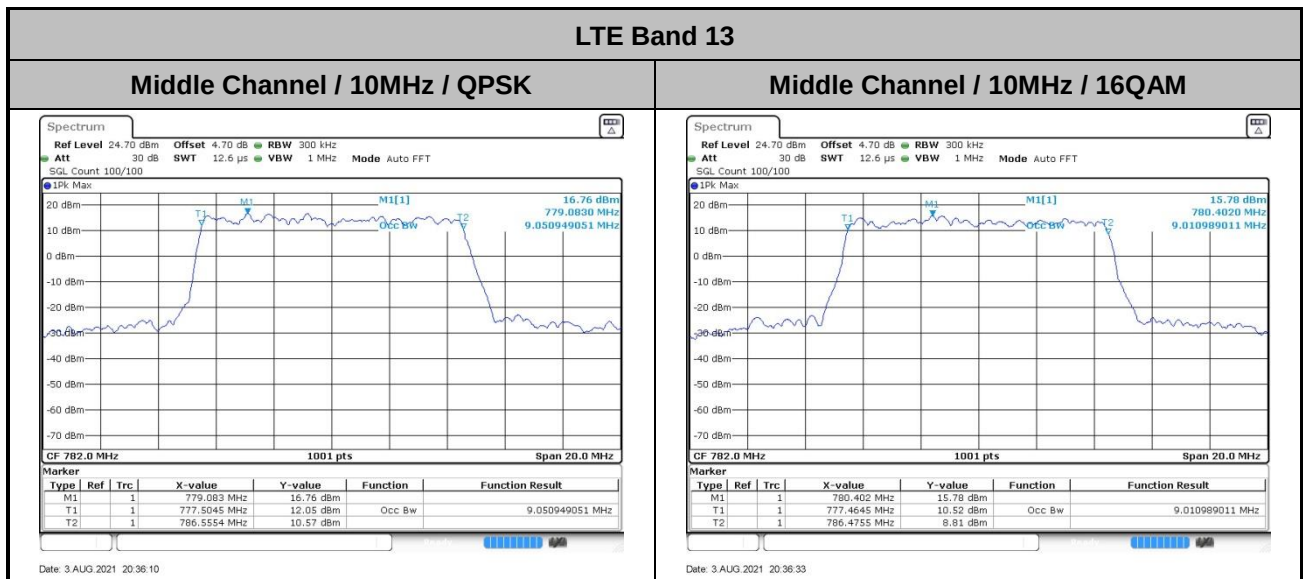
Mode	LTE Band 13 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.65	9.83

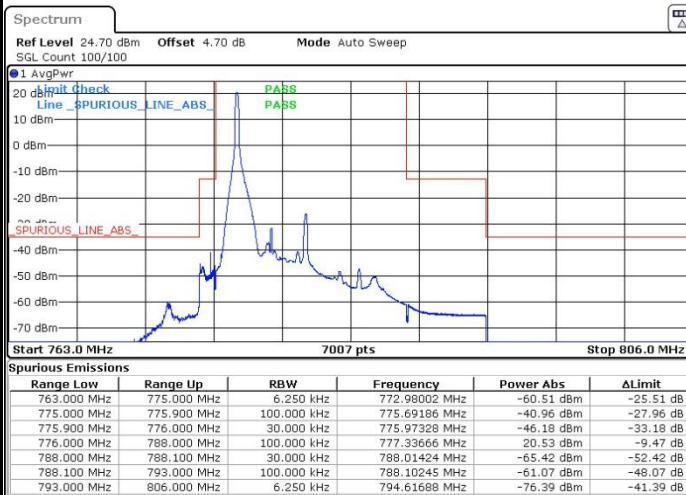




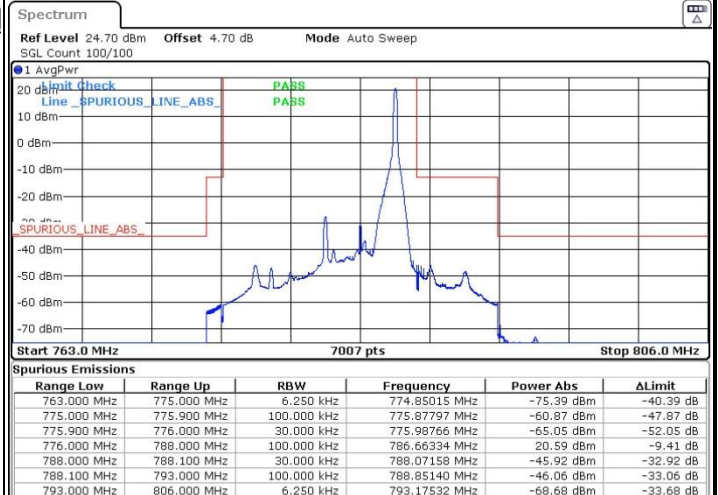
Occupied Bandwidth

Mode	LTE Band 13 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.05	9.01

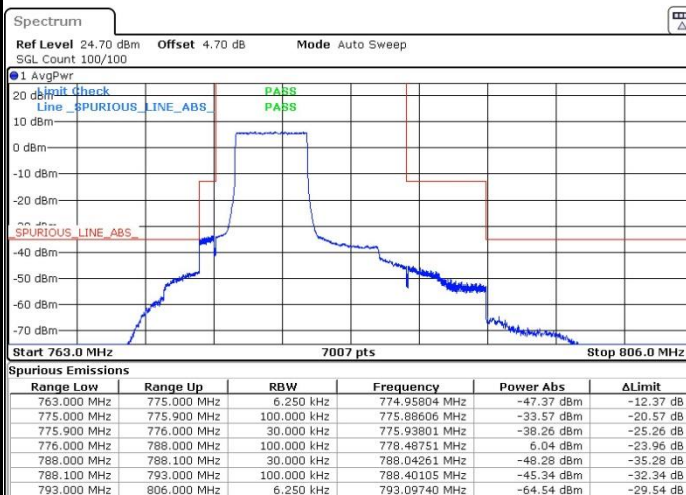


**Conducted Band Edge****LTE Band 13 / 5MHz / QPSK****Lowest Band Edge / 1 RB**

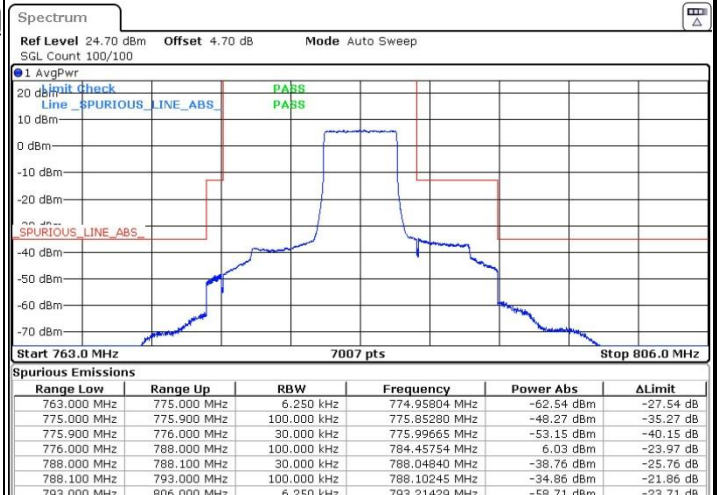
Date: 3.AUG.2021 19:48:57

Highest Band Edge / 1 RB

Date: 3.AUG.2021 19:56:15

Lowest Band Edge / Full RB

Date: 3.AUG.2021 19:47:19

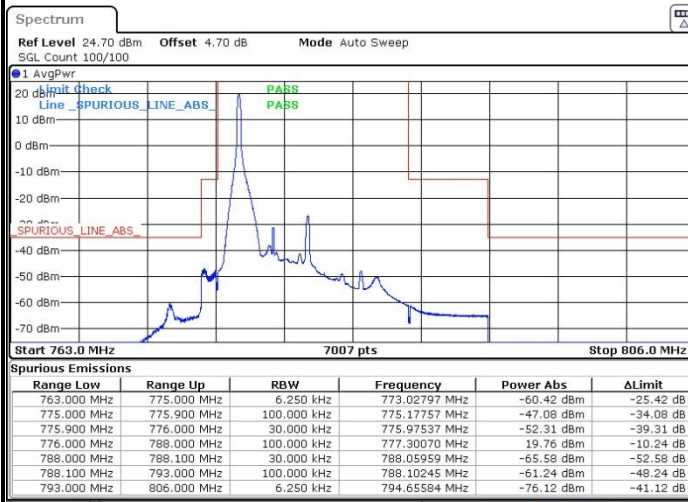
Highest Band Edge / Full RB

Date: 3.AUG.2021 19:54:36

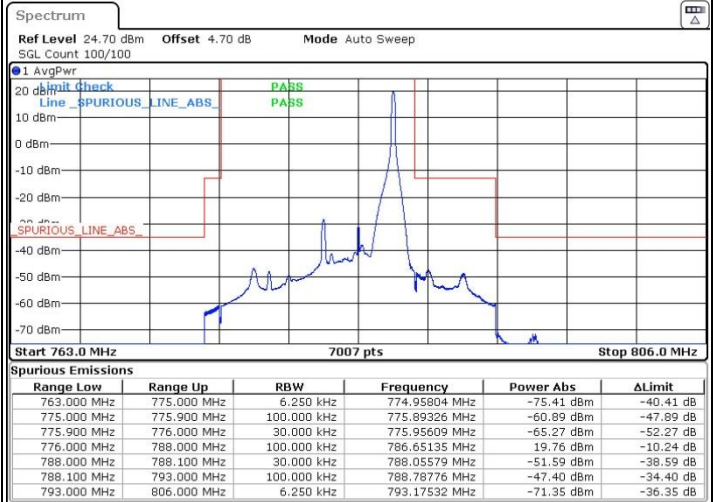


LTE Band 13 / 5MHz / 16QAM

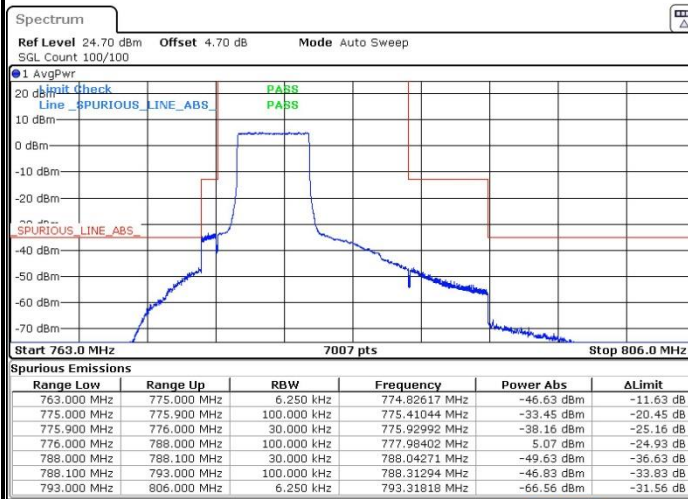
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

