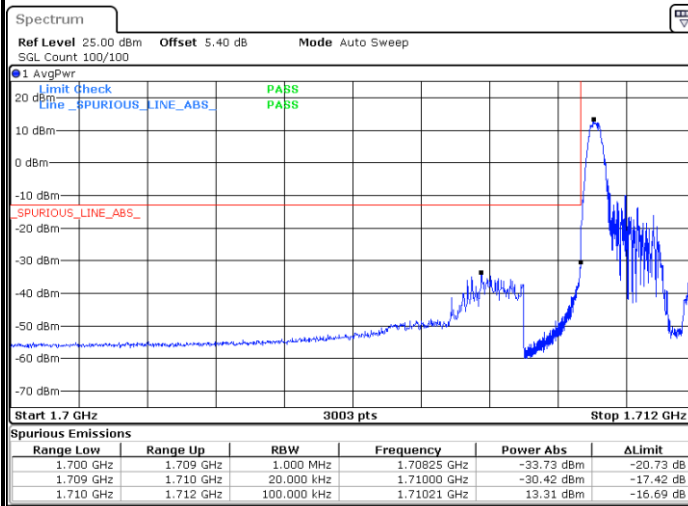




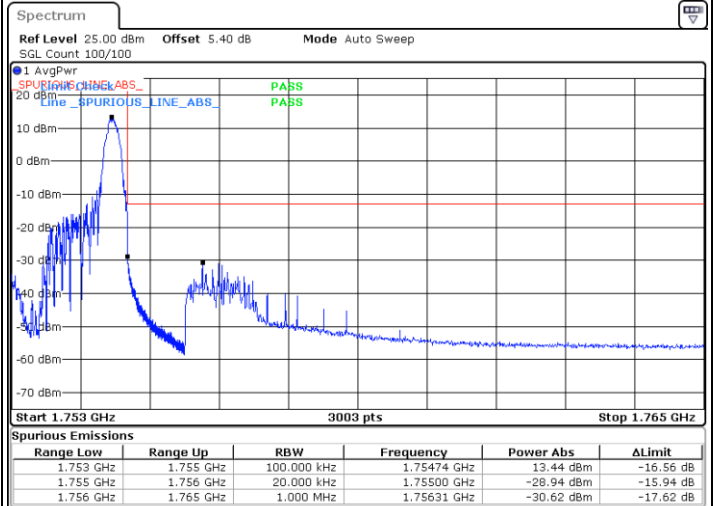
LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



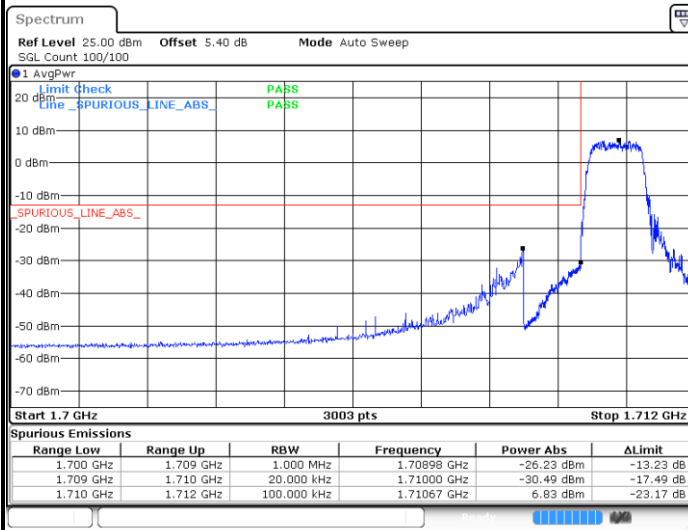
Date: 17.OCT.2022 20:30:24

Highest Band Edge / 1 RB



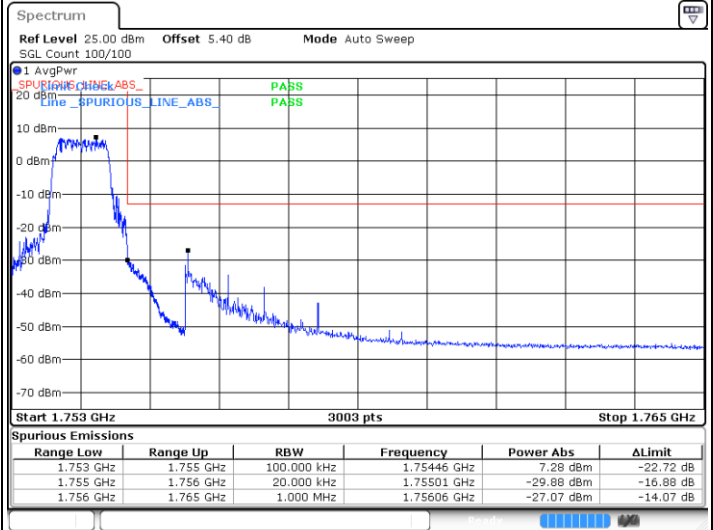
Date: 17.OCT.2022 20:38:50

Lowest Band Edge / Full RB



Date: 17.OCT.2022 20:28:17

Highest Band Edge / Full RB



Date: 17.OCT.2022 20:40:17

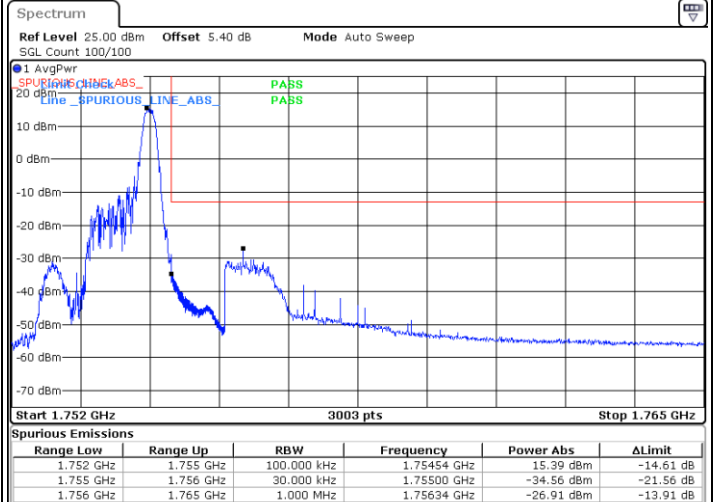


LTE Band 4 / 3MHz / QPSK

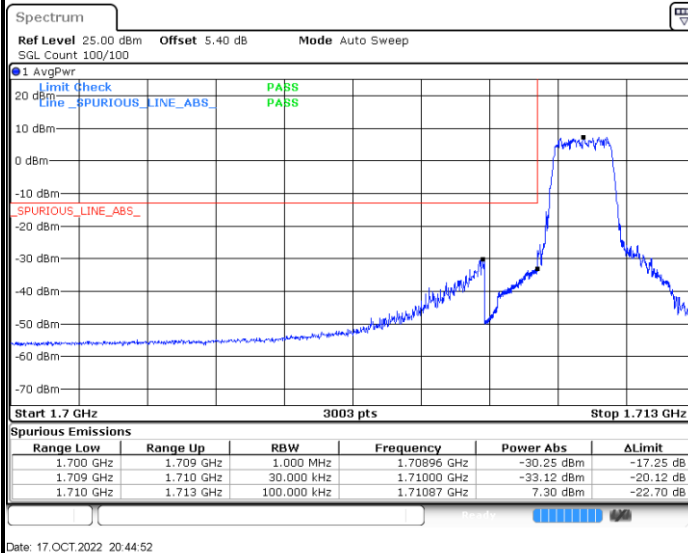
Lowest Band Edge / 1RB



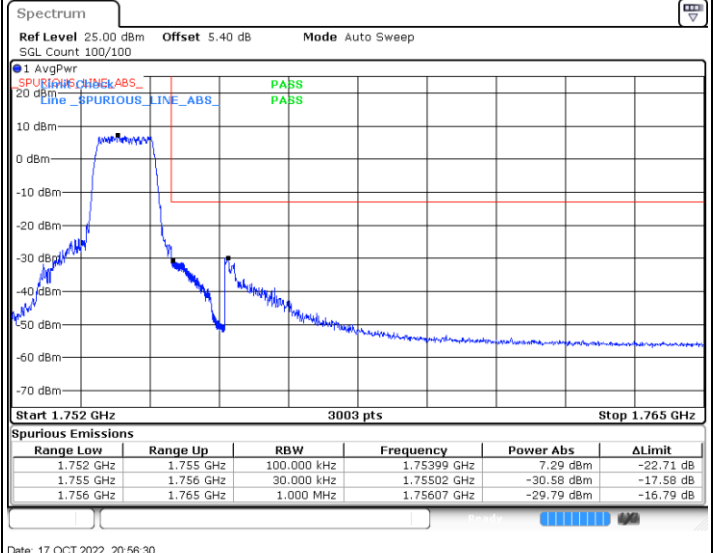
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



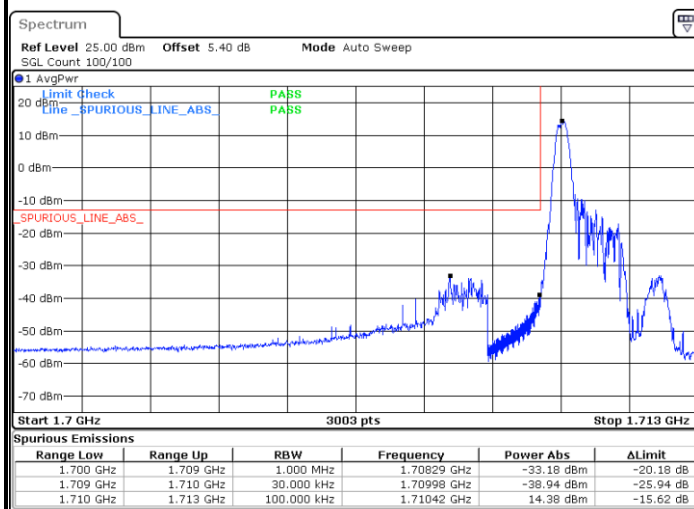
Highest Band Edge / Full RB



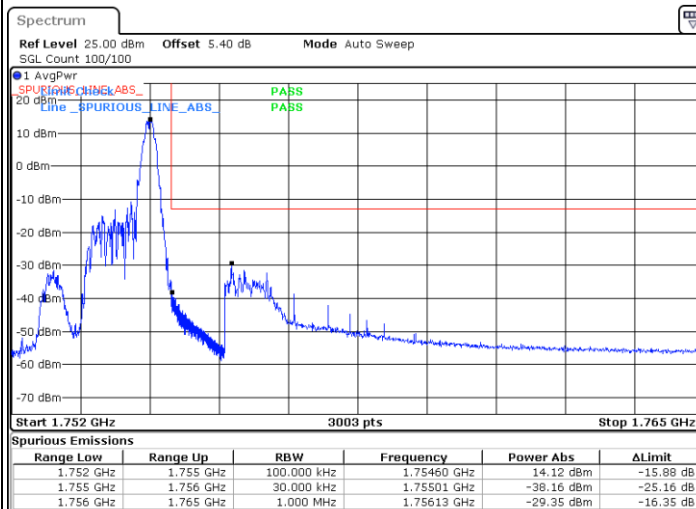


LTE Band 4 / 3MHz / 16QAM

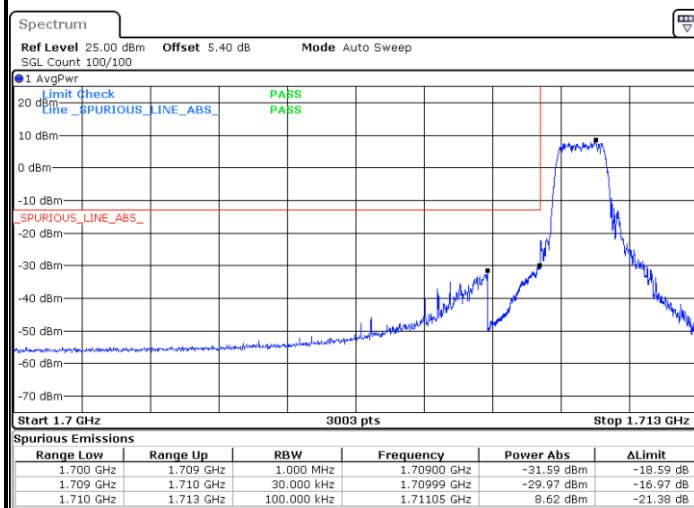
Lowest Band Edge / 1 RB



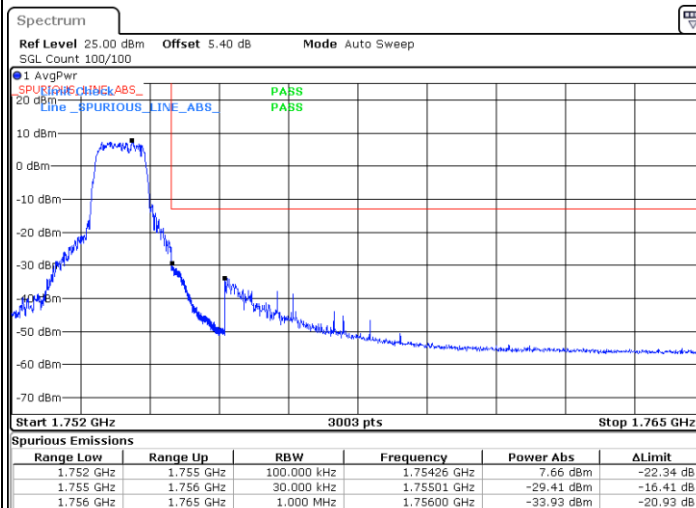
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



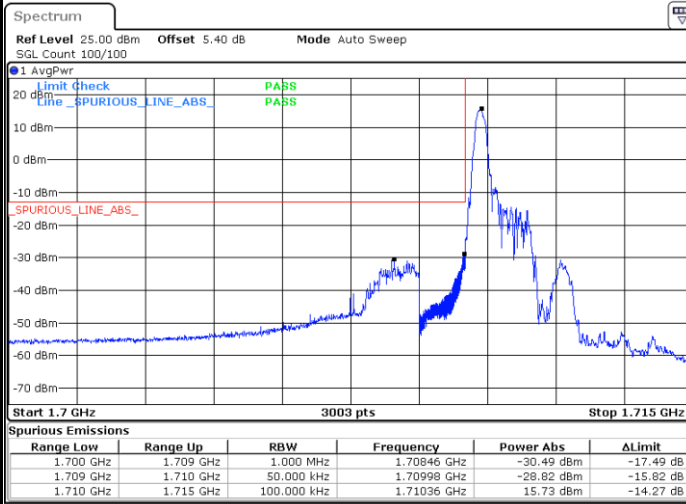
Highest Band Edge / Full RB



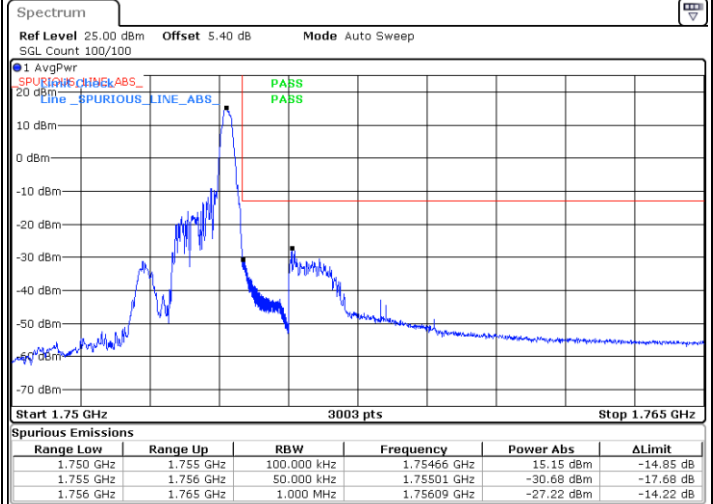


LTE Band 4 / 5MHz / QPSK

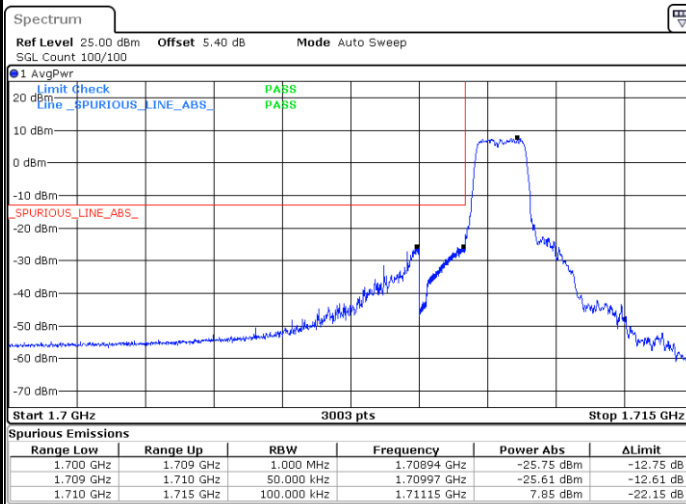
Lowest Band Edge / 1 RB



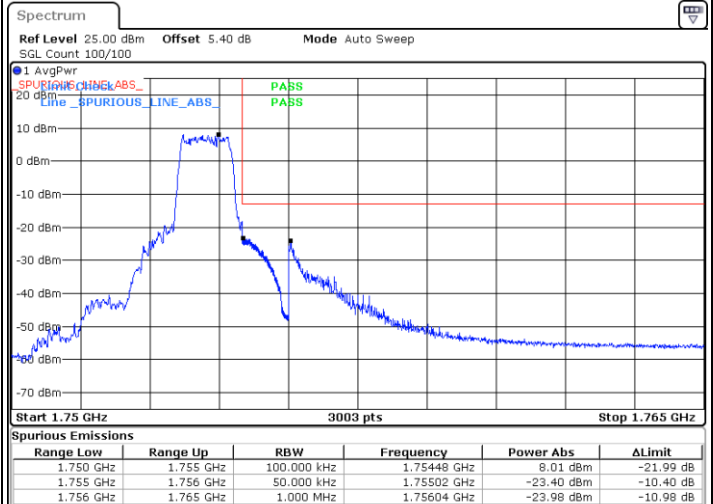
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



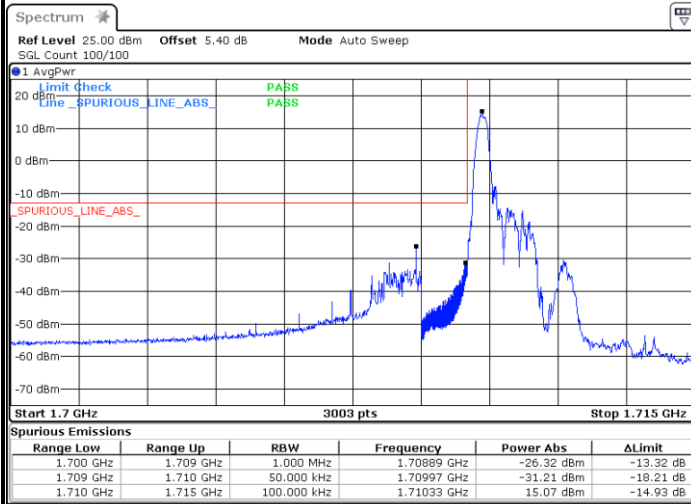
Highest Band Edge / Full RB





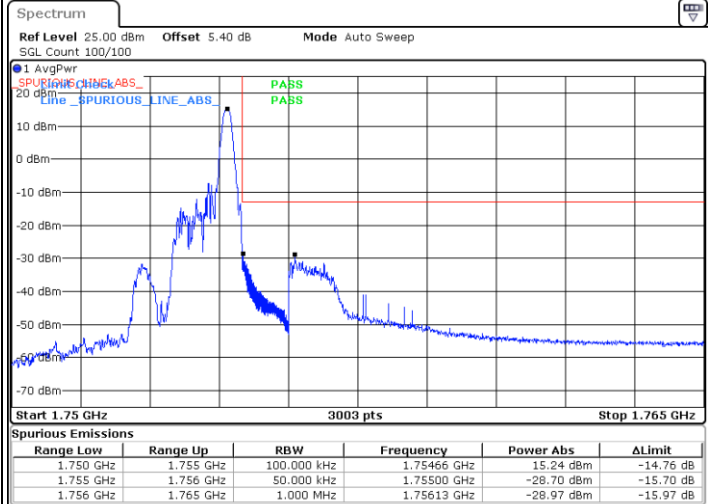
LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / 1RB



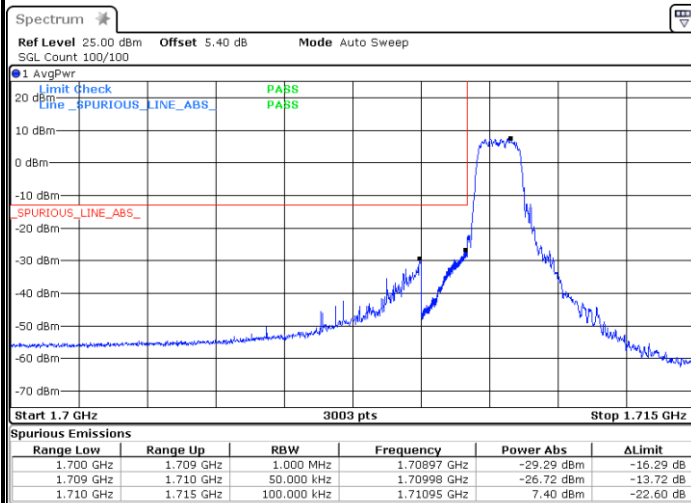
Date: 17.OCT.2022 21:01:37

Highest Band Edge / 1 RB



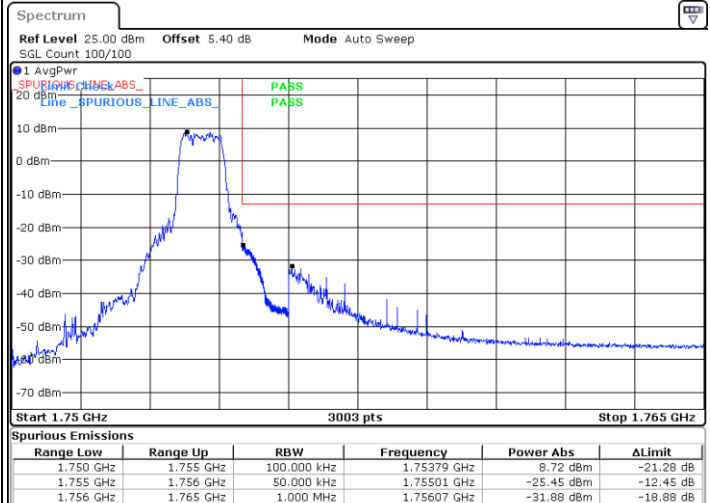
Date: 17.OCT.2022 21:09:38

Lowest Band Edge / Full RB



Date: 17.OCT.2022 21:00:25

Highest Band Edge / Full RB

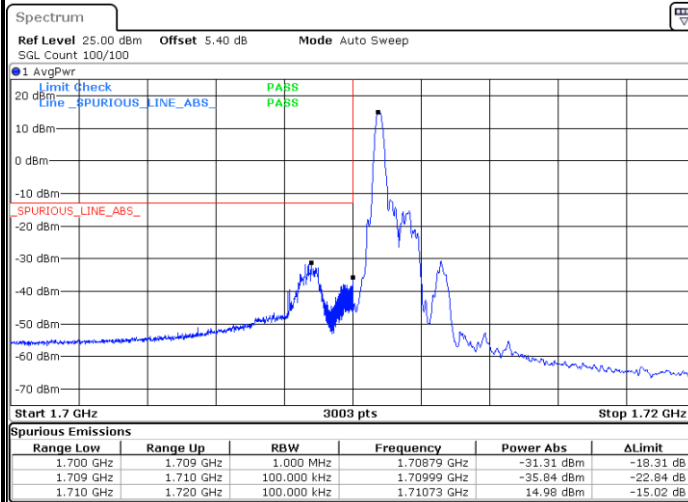


Date: 17.OCT.2022 21:11:31

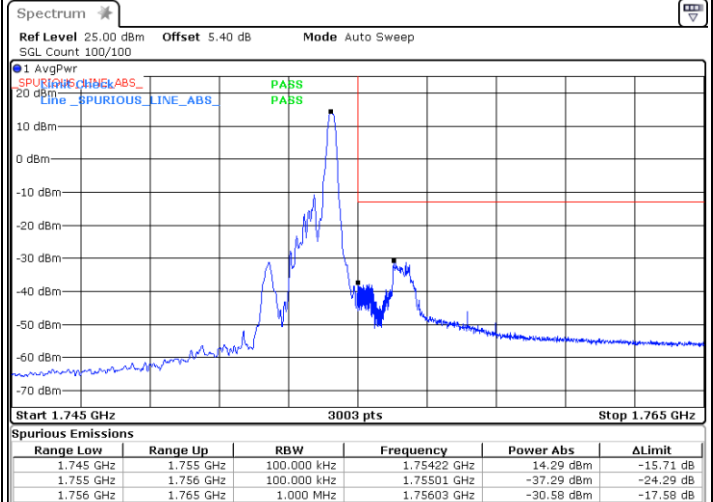


LTE Band 4 / 10MHz / QPSK

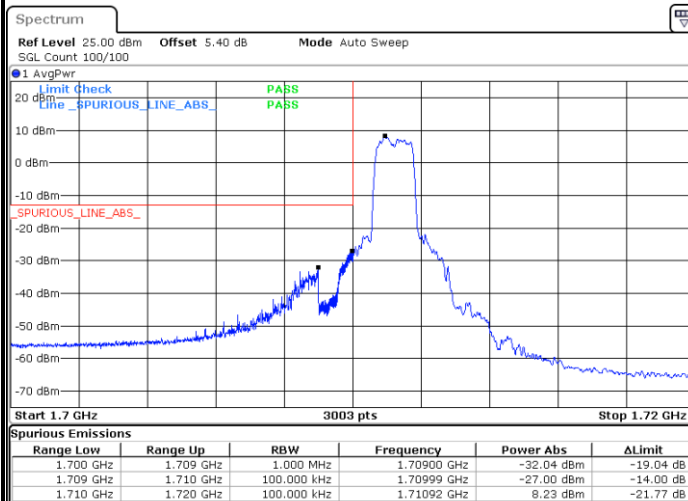
Lowest Band Edge / 1 RB



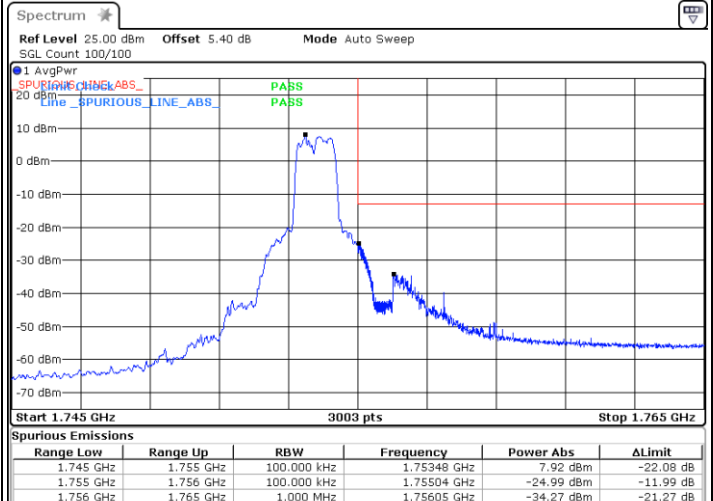
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



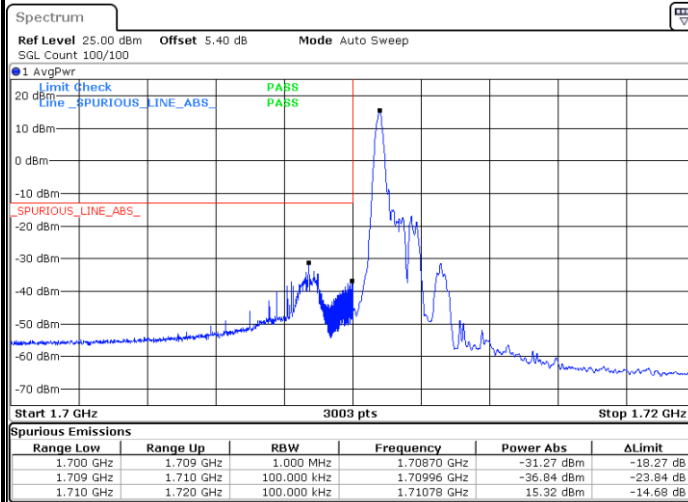
Highest Band Edge / Full RB



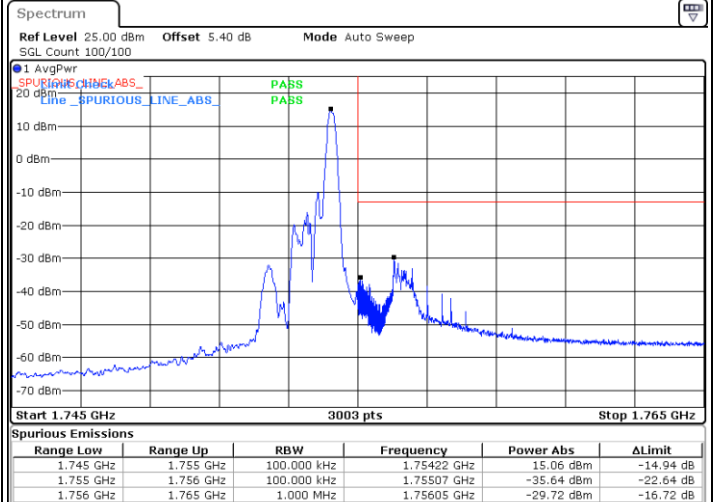


LTE Band 4 / 10MHz / 16QAM

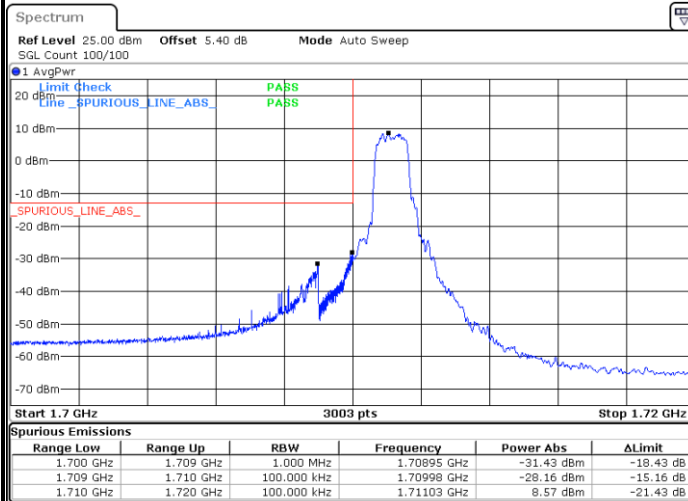
Lowest Band Edge / 1 RB



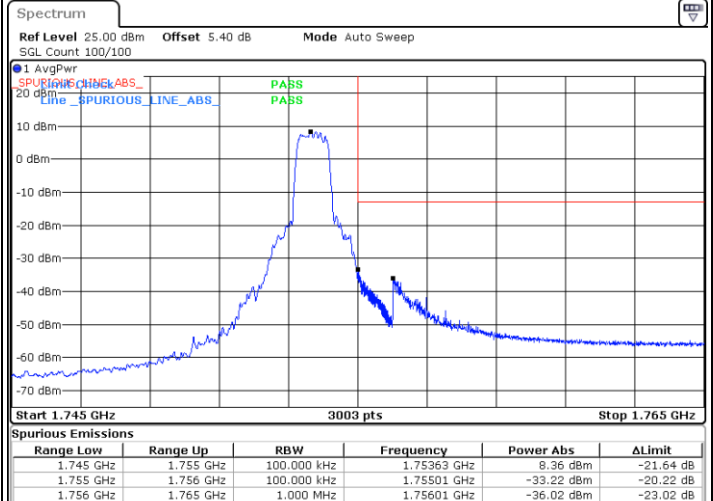
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



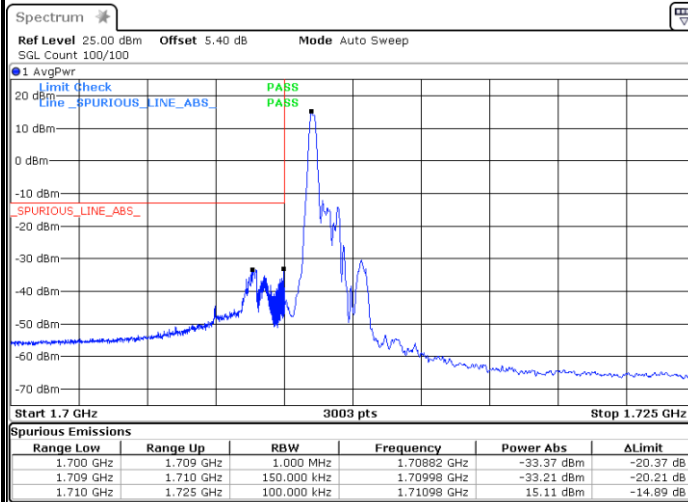
Highest Band Edge / Full RB



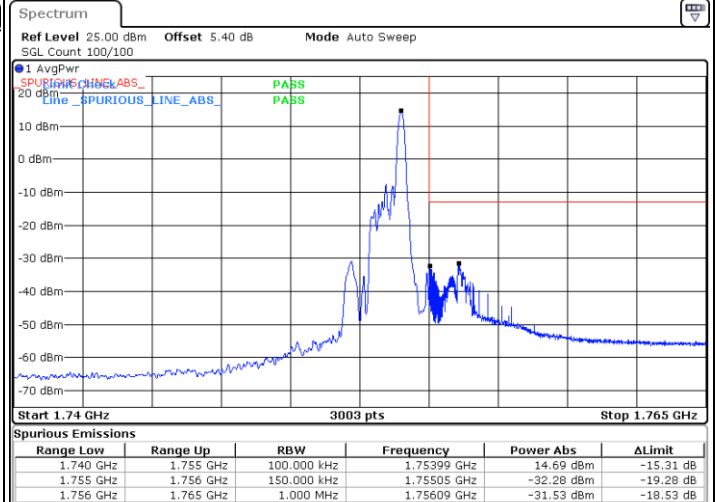


LTE Band 4 / 15MHz / QPSK

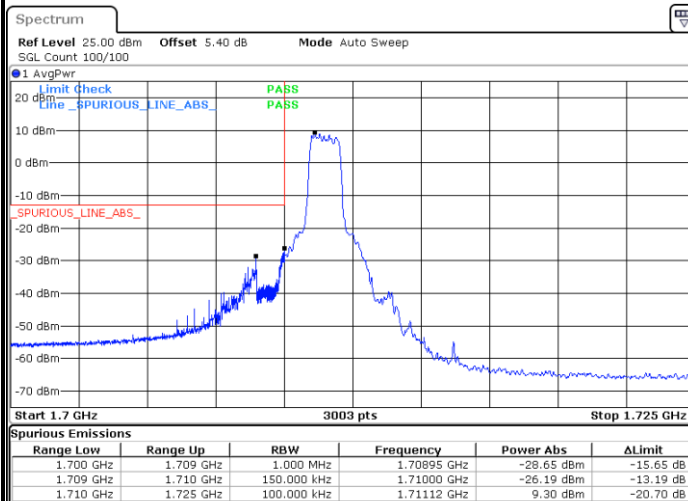
Lowest Band Edge / 1 RB



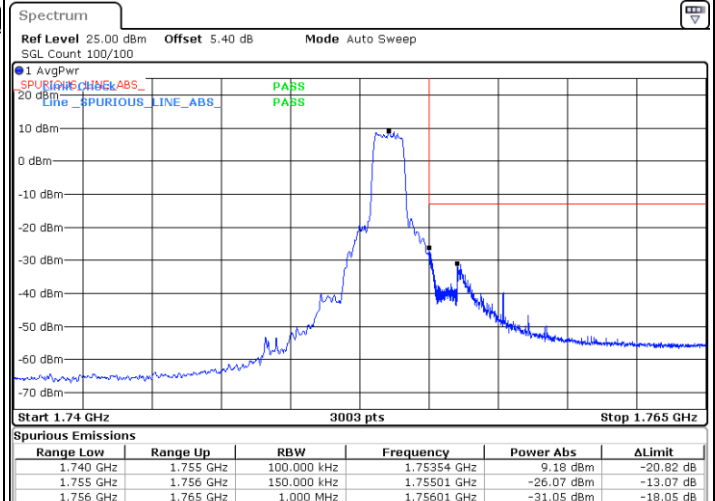
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



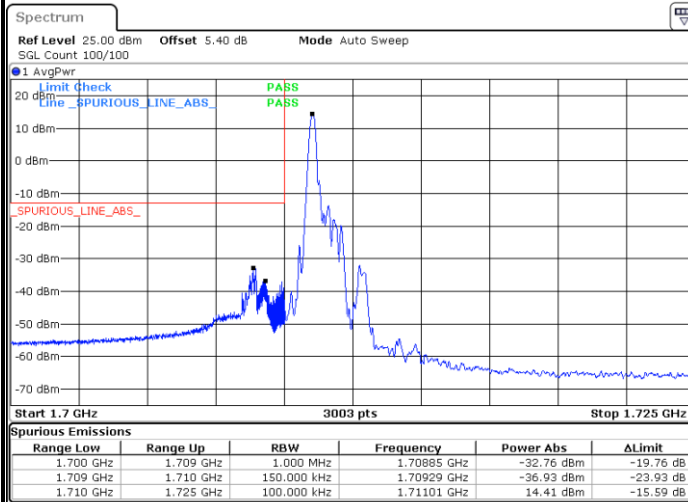
Highest Band Edge / Full RB



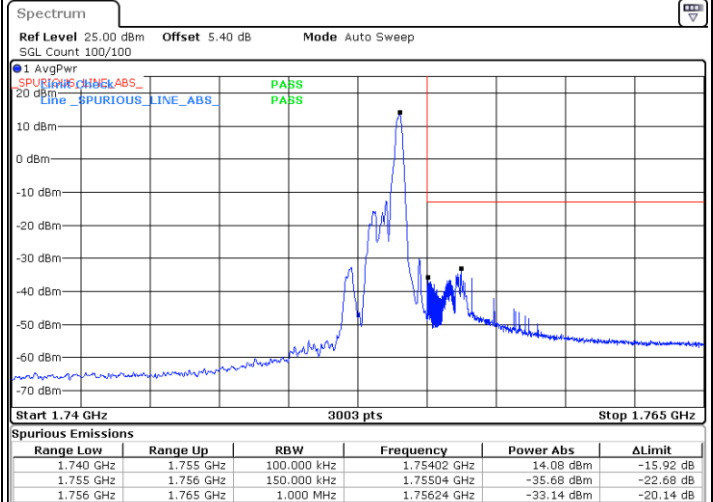


LTE Band 4 / 15MHz / 16QAM

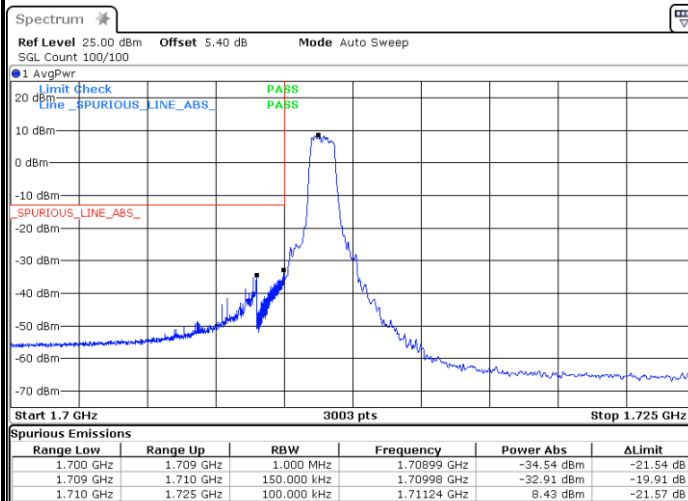
Lowest Band Edge / 1 RB



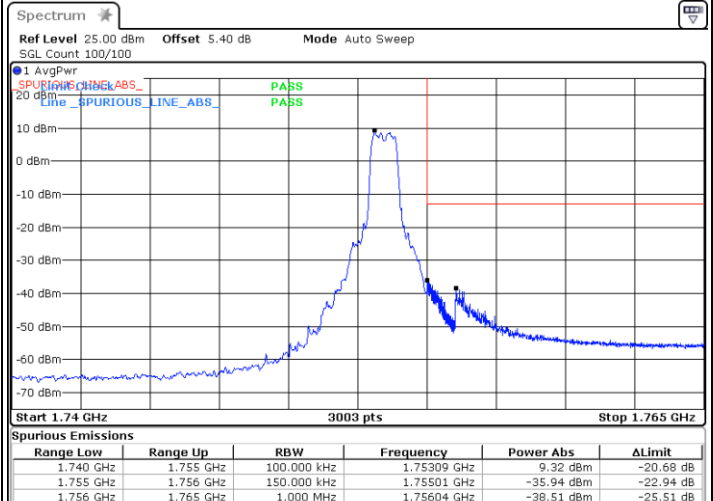
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



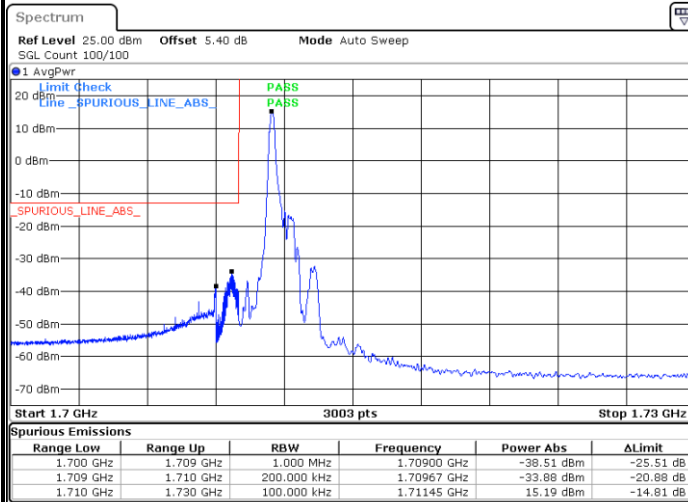
Highest Band Edge / Full RB



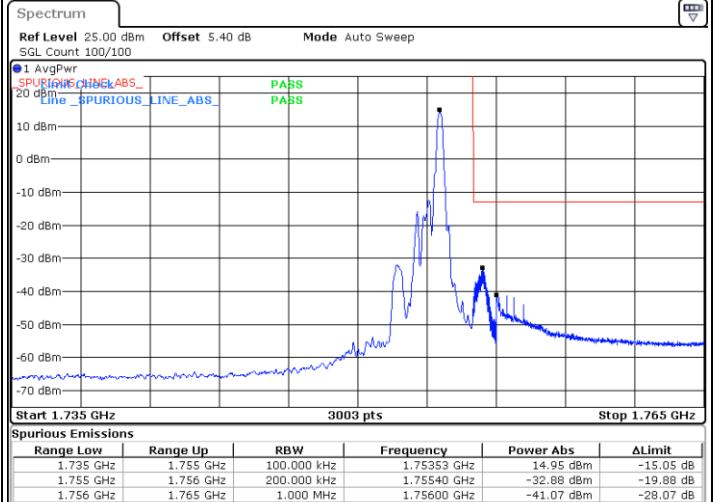


LTE Band 4 / 20MHz / QPSK

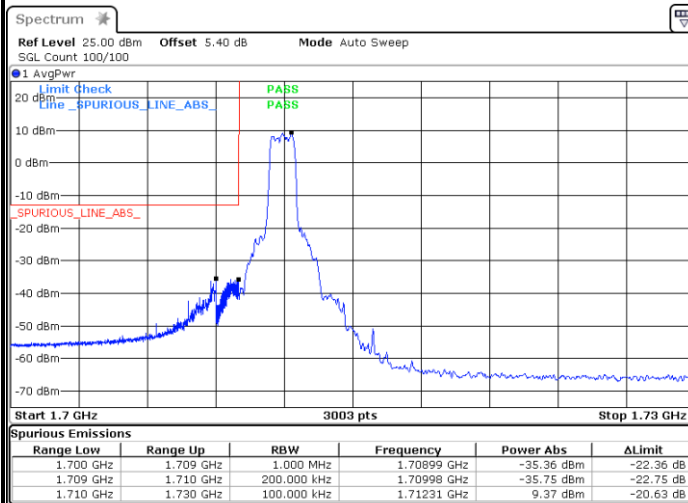
Lowest Band Edge / 1 RB



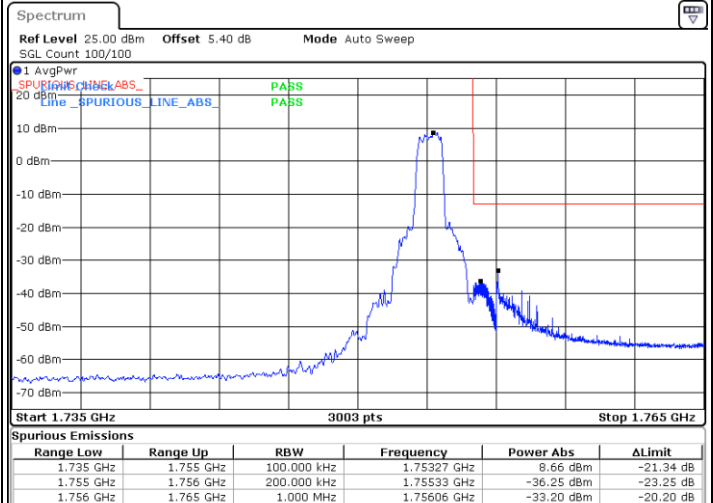
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



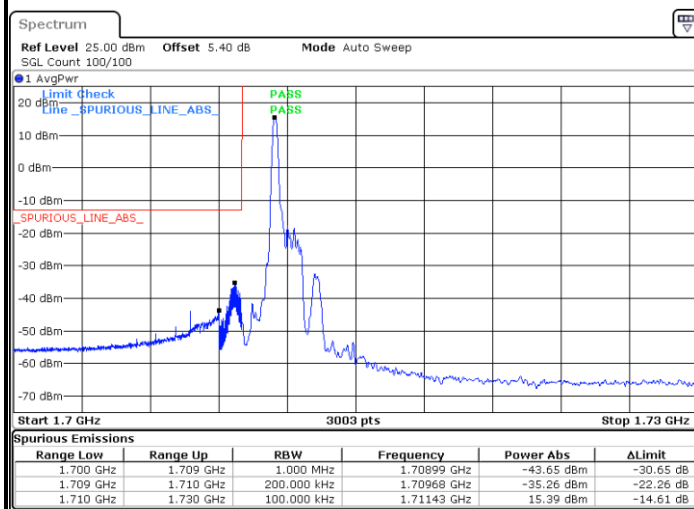
Highest Band Edge / Full RB



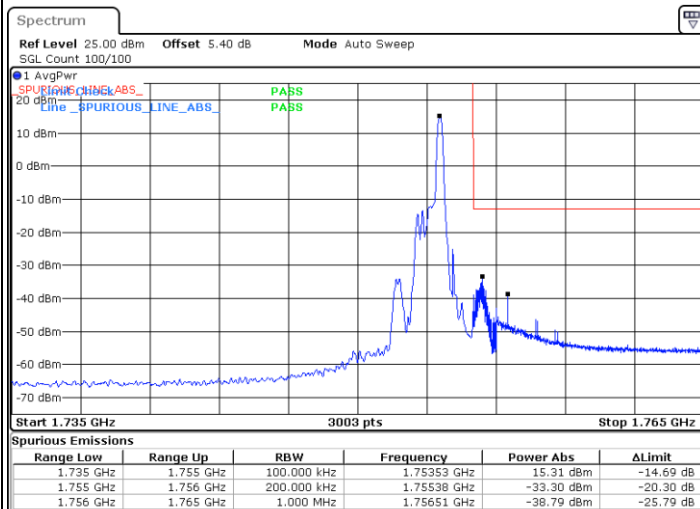


LTE Band 4 / 20MHz / 16QAM

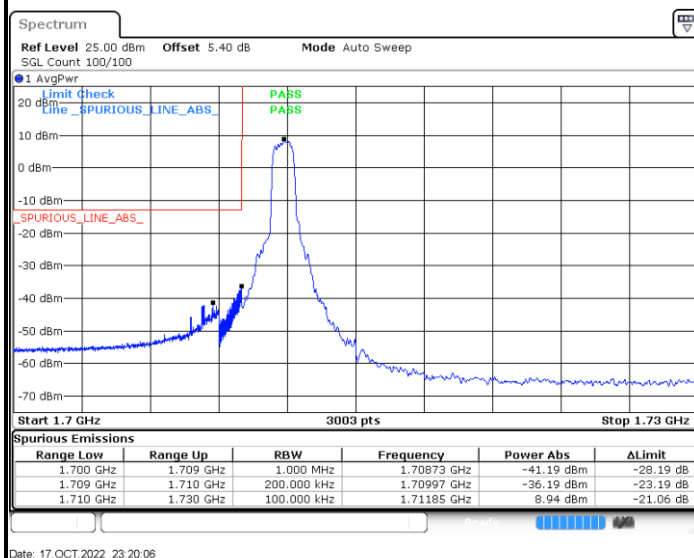
Lowest Band Edge / 1 RB



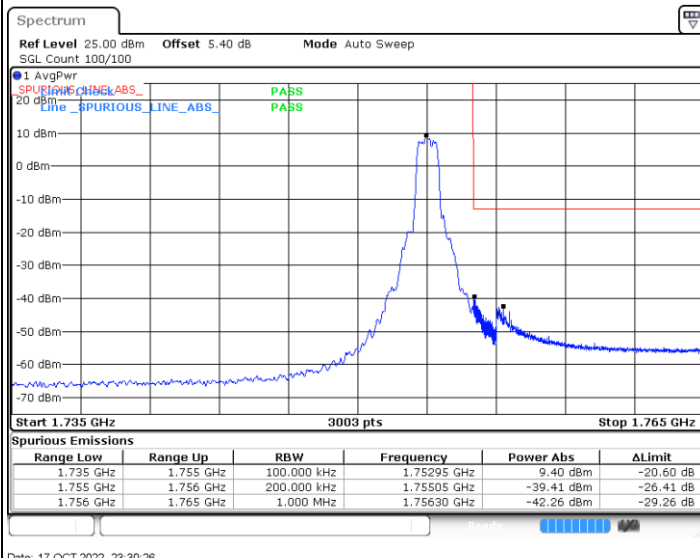
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

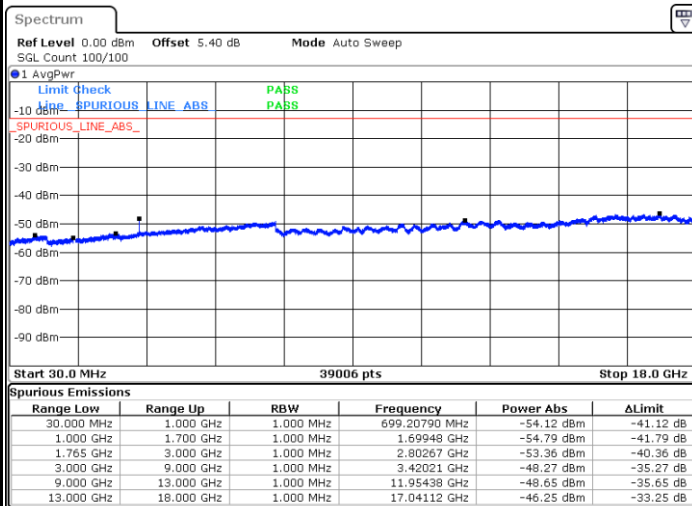




Conducted Spurious Emission

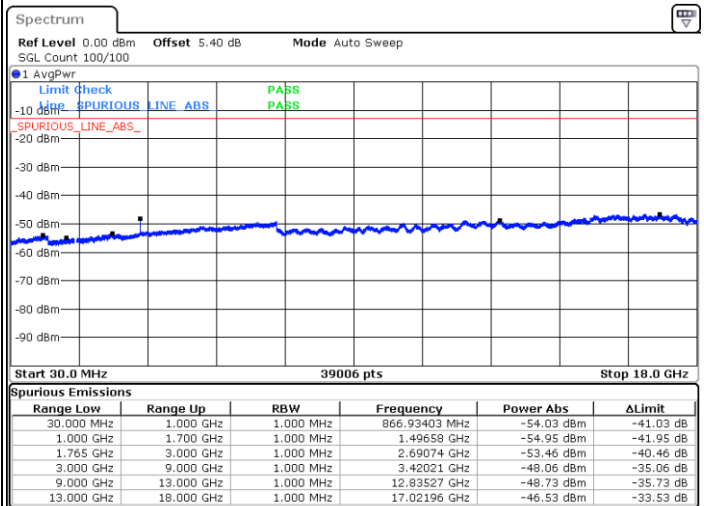
LTE Band 4 / 1.4MHz

Lowest Channel / QPSK



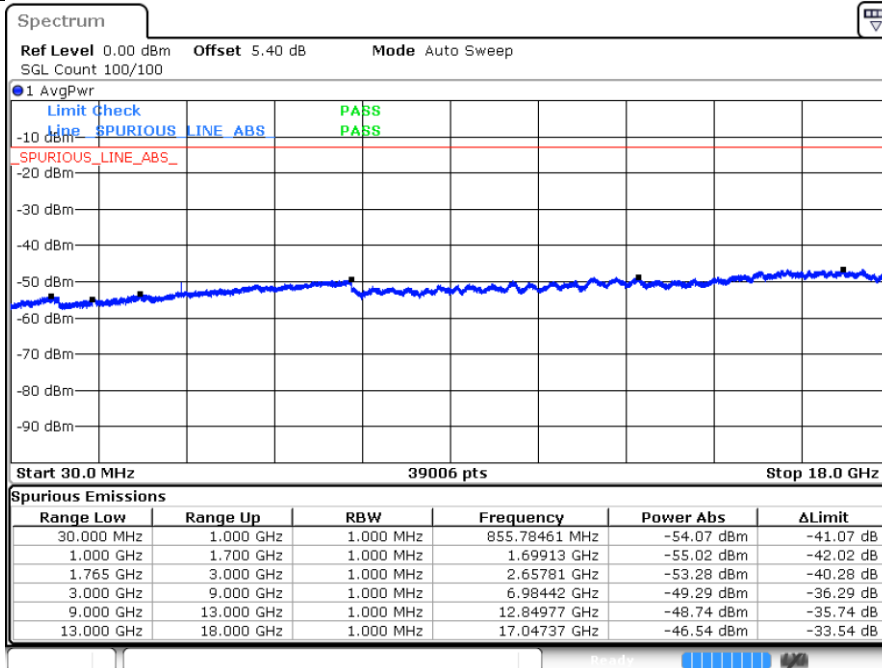
Date: 17.OCT.2022 20:32:45

Middle Channel / QPSK



Date: 17.OCT.2022 20:34:30

Highest Channel / QPSK



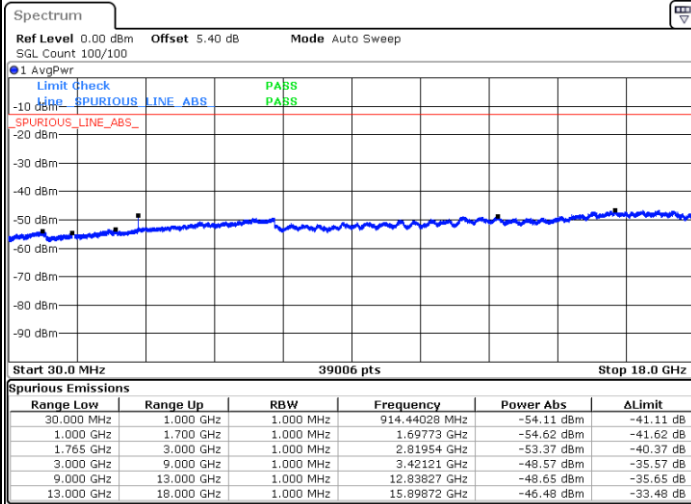
Date: 17.OCT.2022 20:35:44



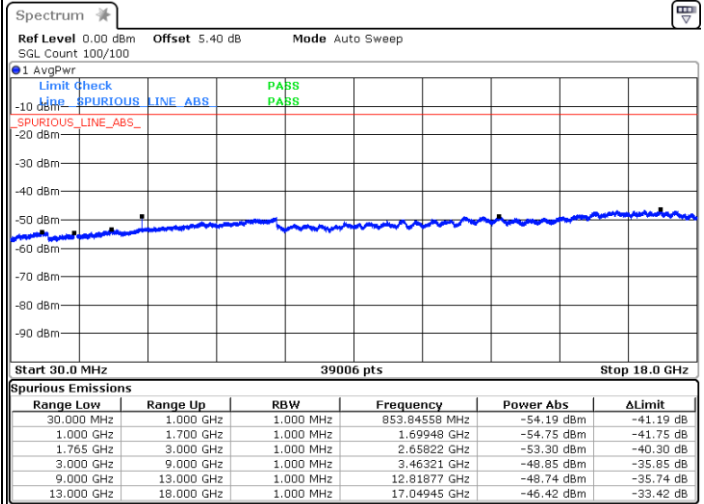
LTE Band 4 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

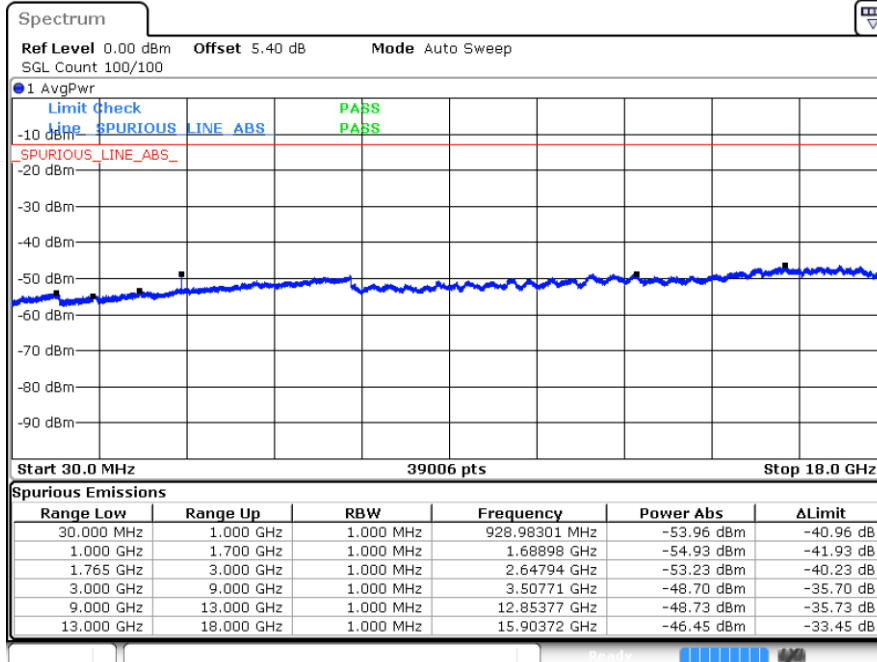


Date: 17.OCT.2022 20:49:33



Date: 17.OCT.2022 20:50:41

Highest Channel / QPSK

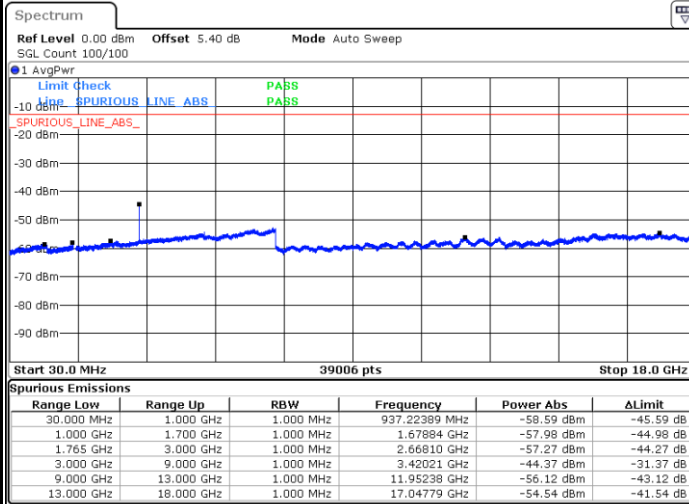


Date: 17.OCT.2022 20:51:56



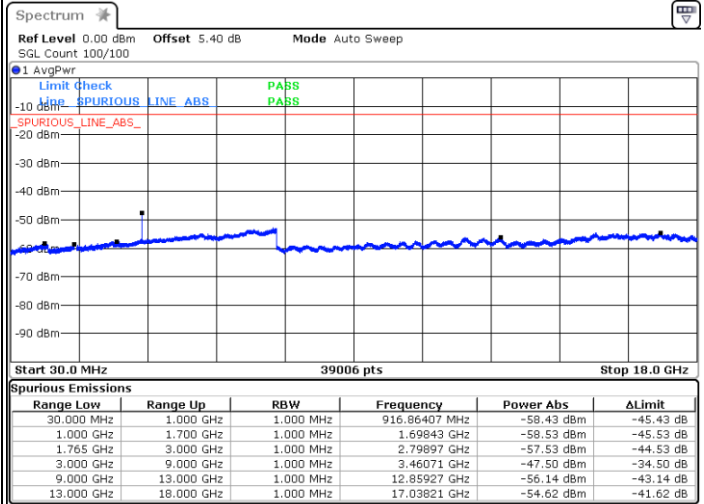
LTE Band 4 / 5MHz

Lowest Channel / QPSK



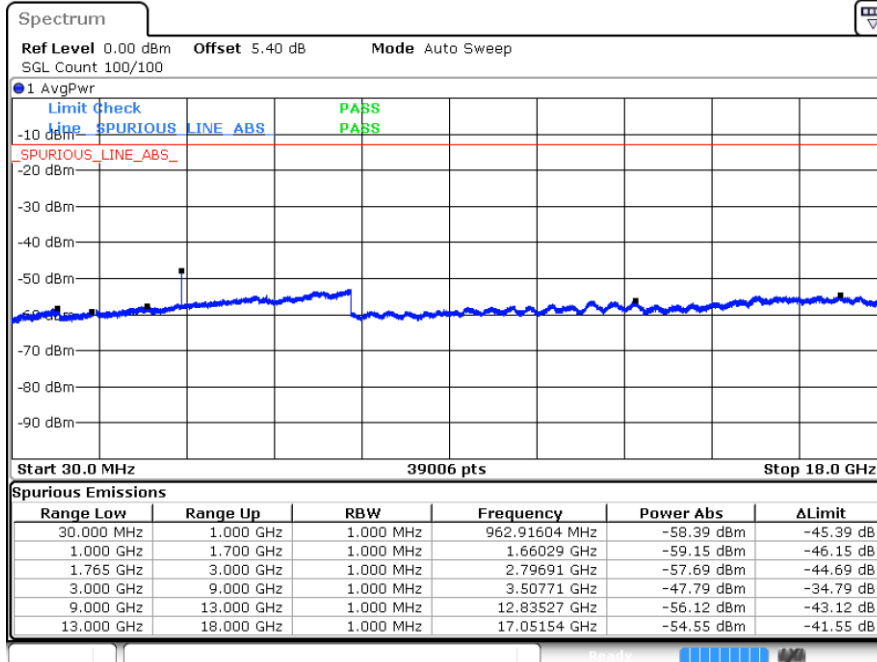
Date: 17.OCT.2022 21:02:57

Middle Channel / QPSK



Date: 17.OCT.2022 21:04:28

Highest Channel / QPSK

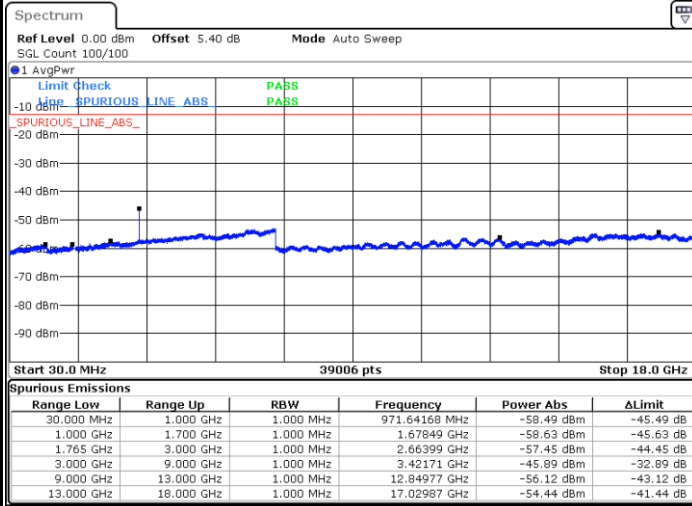


Date: 17.OCT.2022 21:06:06



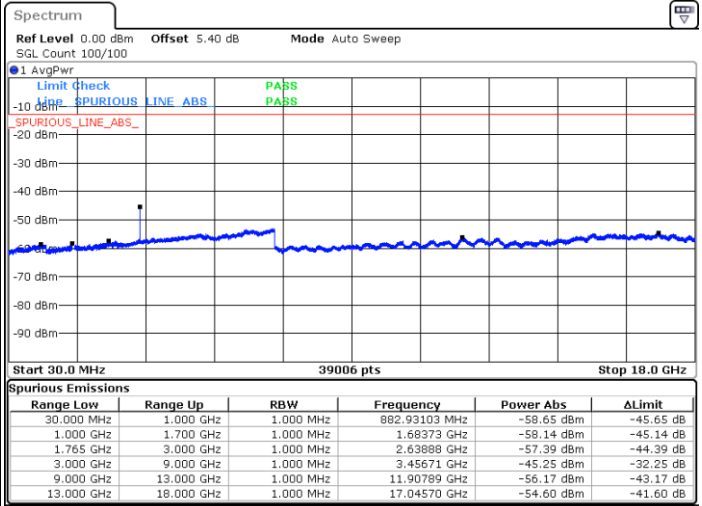
LTE Band 4 / 10MHz

Lowest Channel / QPSK



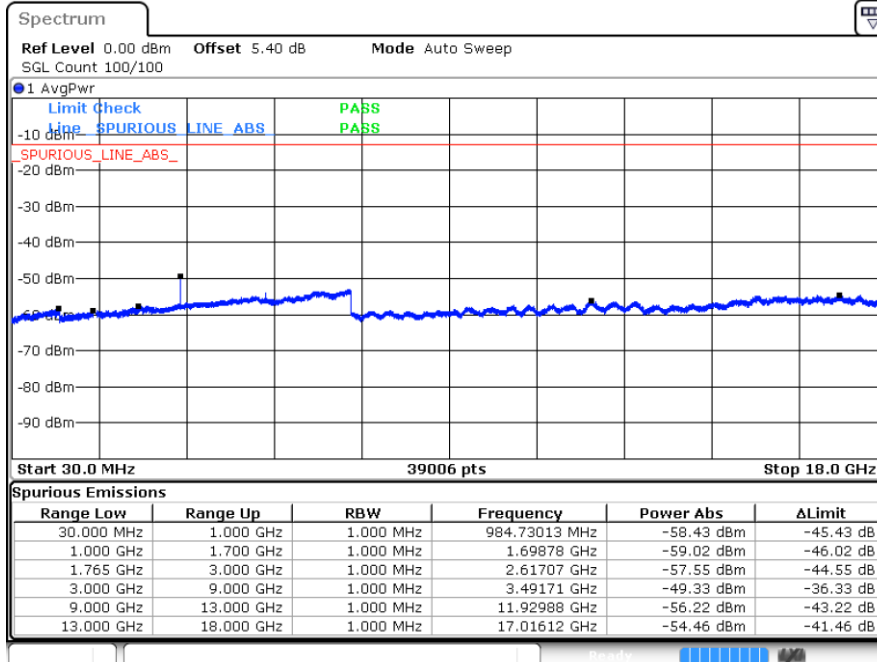
Date: 17.OCT.2022 21:19:48

Middle Channel / QPSK



Date: 17.OCT.2022 21:21:02

Highest Channel / QPSK

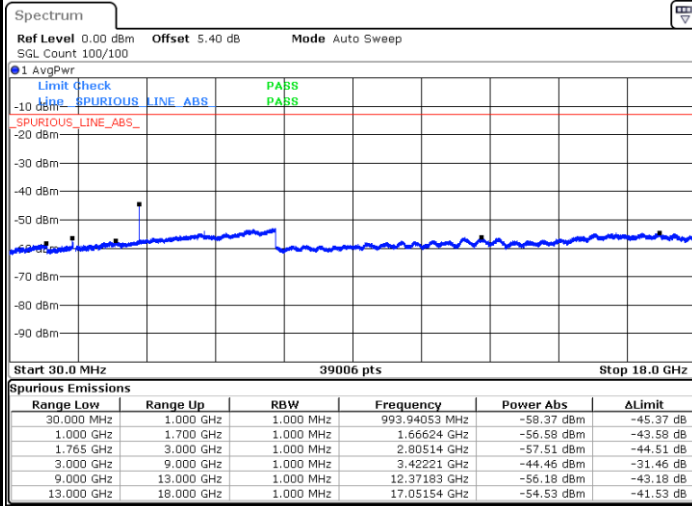


Date: 17.OCT.2022 21:22:55



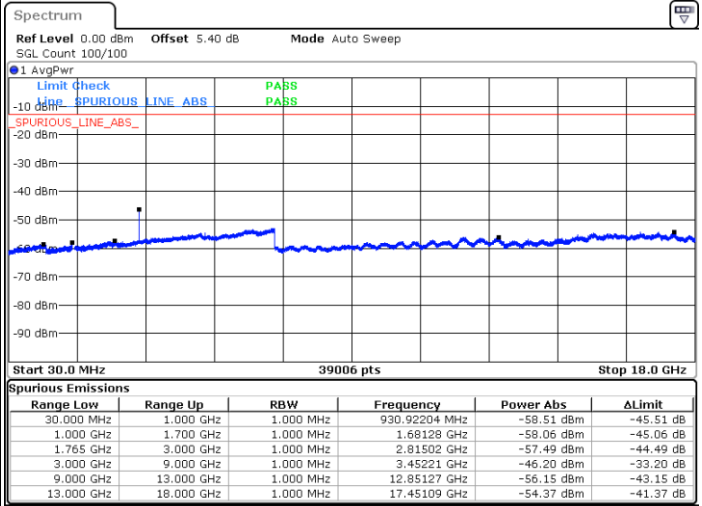
LTE Band 4 / 15MHz

Lowest Channel / QPSK



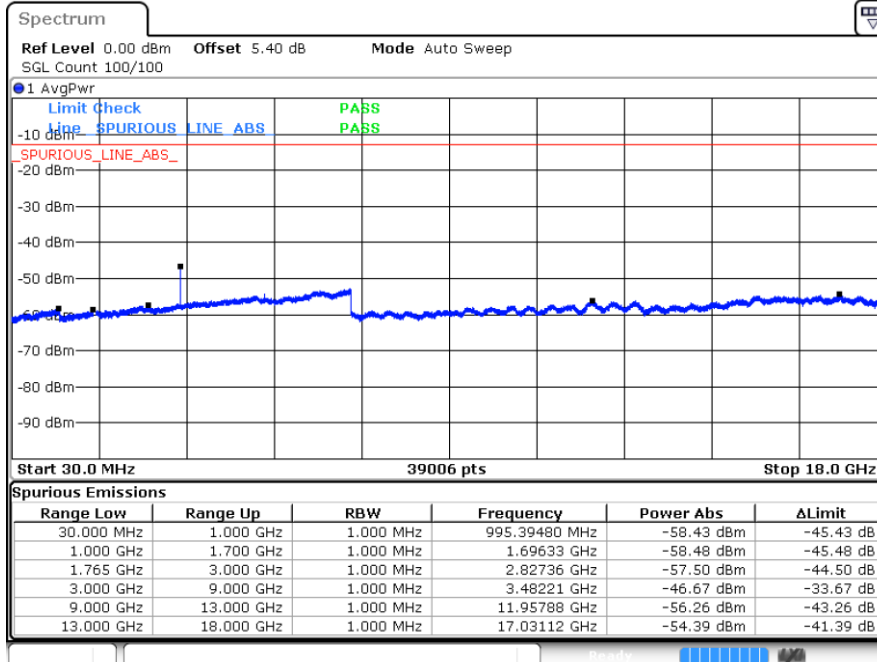
Date: 17.OCT.2022 22:54:56

Middle Channel / QPSK



Date: 17.OCT.2022 23:05:57

Highest Channel / QPSK

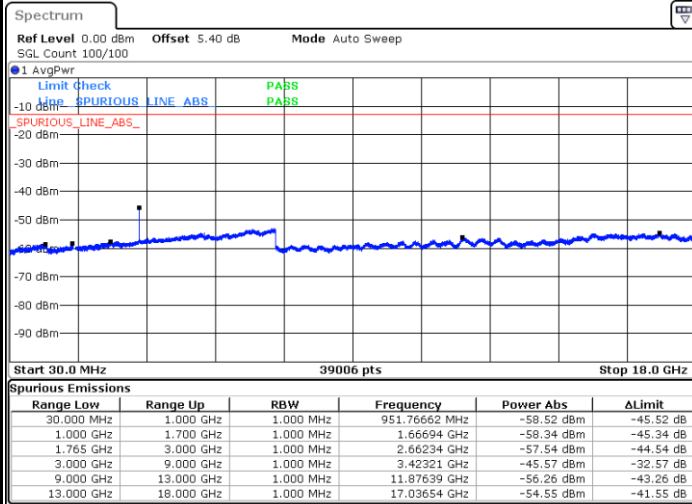


Date: 17.OCT.2022 23:07:05



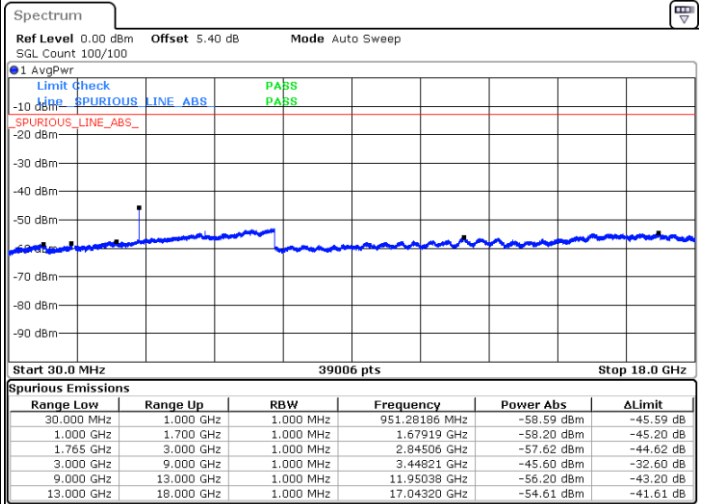
LTE Band 4 / 20MHz

Lowest Channel / QPSK



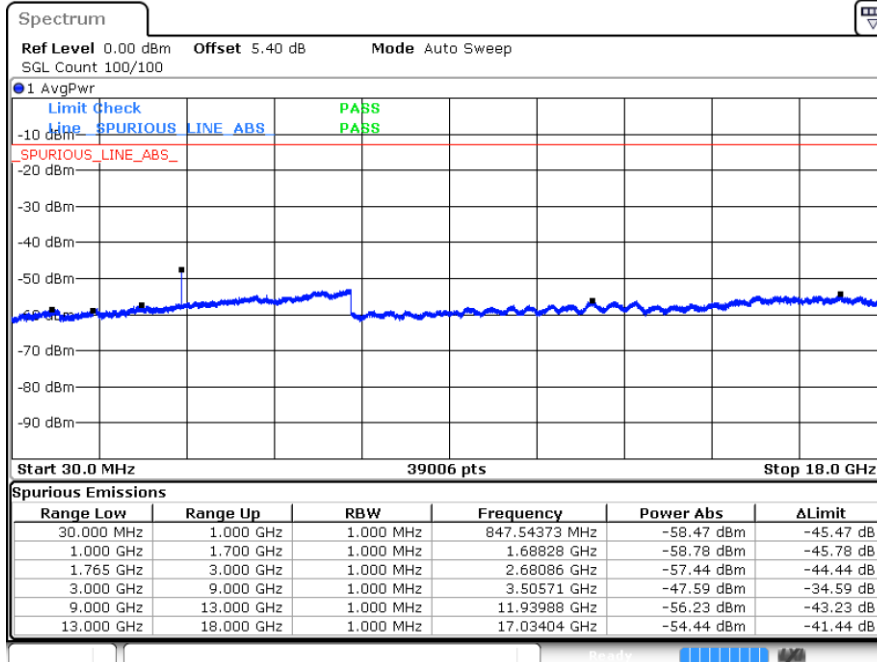
Date: 17.OCT.2022 23:14:58

Middle Channel / QPSK



Date: 17.OCT.2022 23:23:27

Highest Channel / QPSK



Date: 17.OCT.2022 23:25:16

Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0027	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0023	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0029	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0015	

Note:

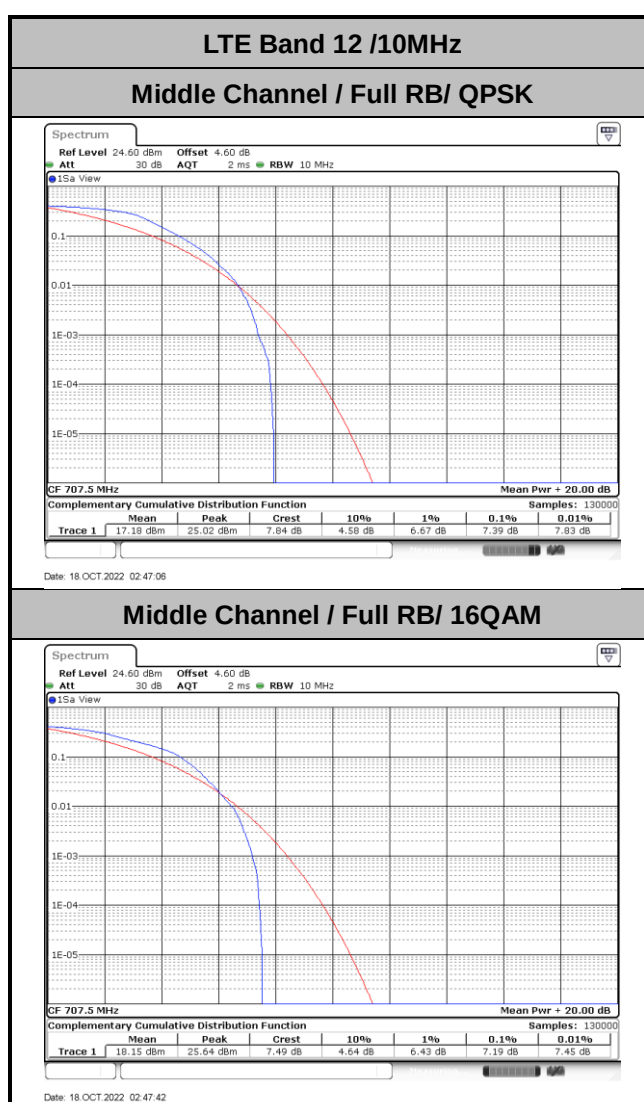
1. Normal Voltage =3.8V. ; Battery End Point (BEP) =3.0 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 12

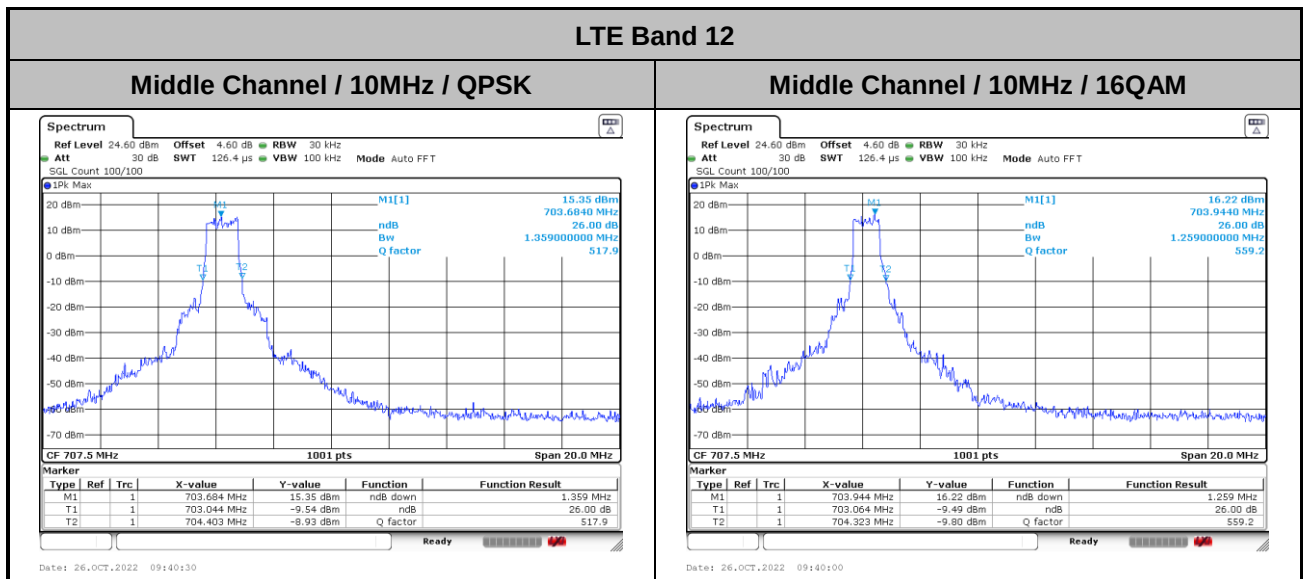
Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz				
Mod.	QPSK	16QAM			Limit: 13dB
RB Size	Full RB	Full RB			Result
Middle CH	7.39	7.19			PASS



**26dB Bandwidth**

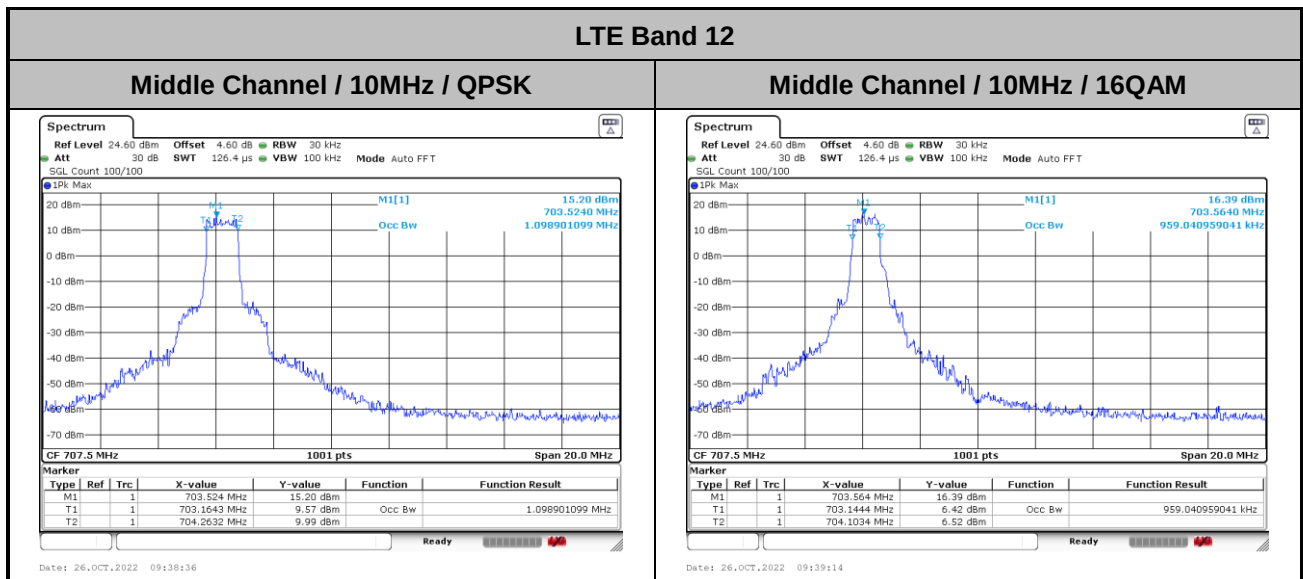
Mode	LTE Band12 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	1.359	1.259





Occupied Bandwidth

Mode	LTE Band 12 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	1.099	0.959

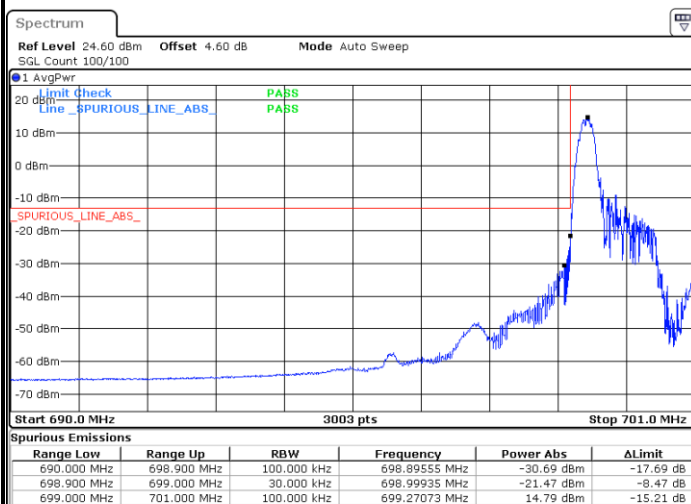




Conducted Band Edge

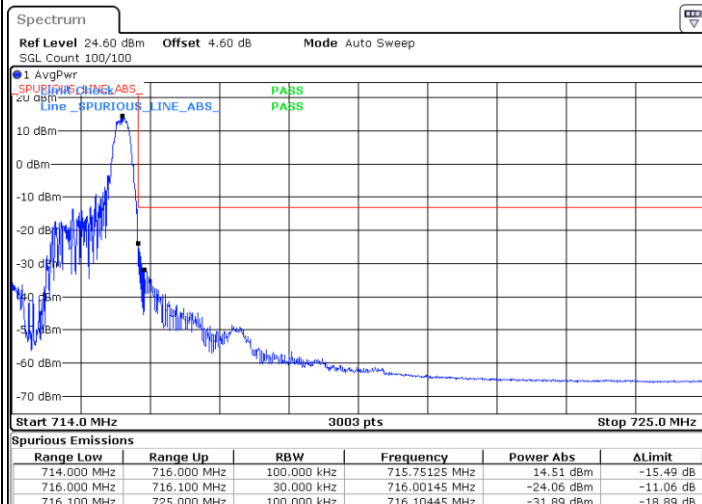
LTE Band 12 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



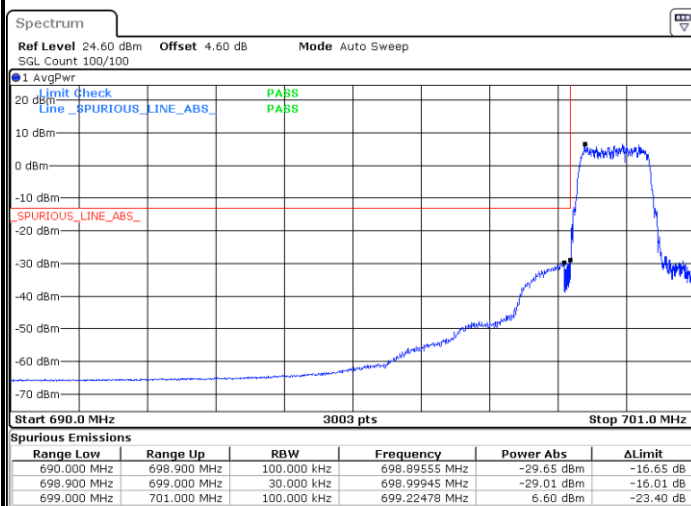
Date: 18.OCT.2022 00:37:42

Highest Band Edge / 1RB



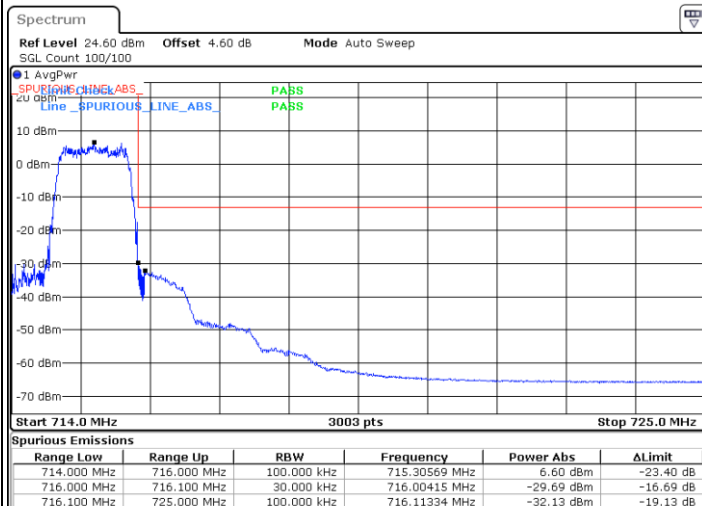
Date: 18.OCT.2022 00:50:06

Lowest Band Edge / Full RB



Date: 18.OCT.2022 00:41:22

Highest Band Edge / Full RB

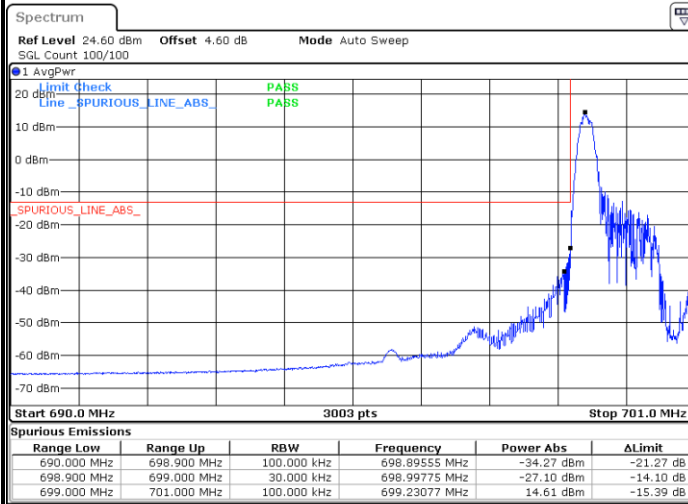


Date: 18.OCT.2022 00:54:36



LTE Band 12 / 1.4MHz / 16QAM

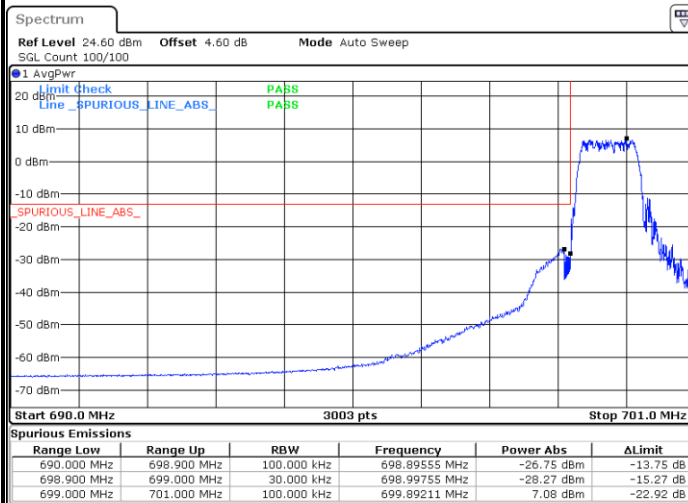
Lowest Band Edge / 1 RB



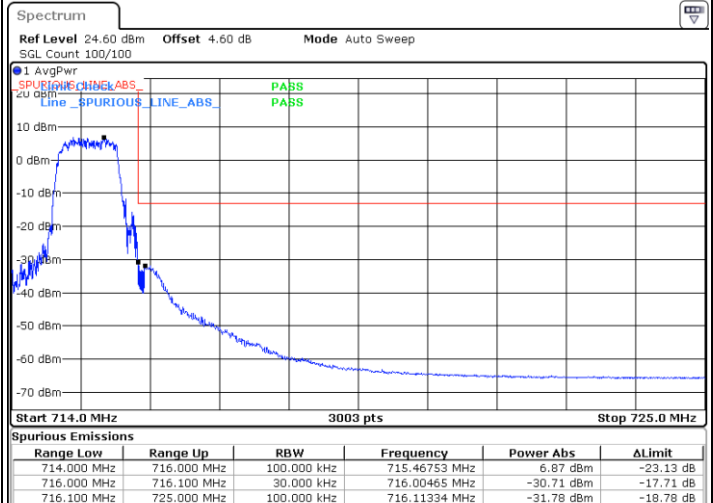
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



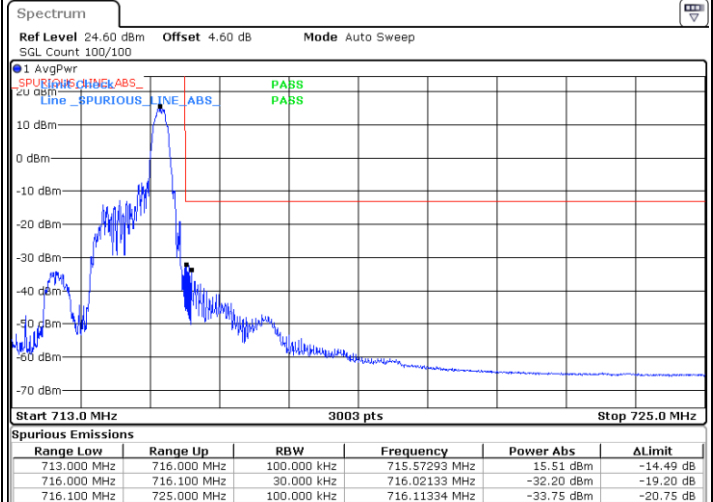


LTE Band 12 / 3MHz / QPSK

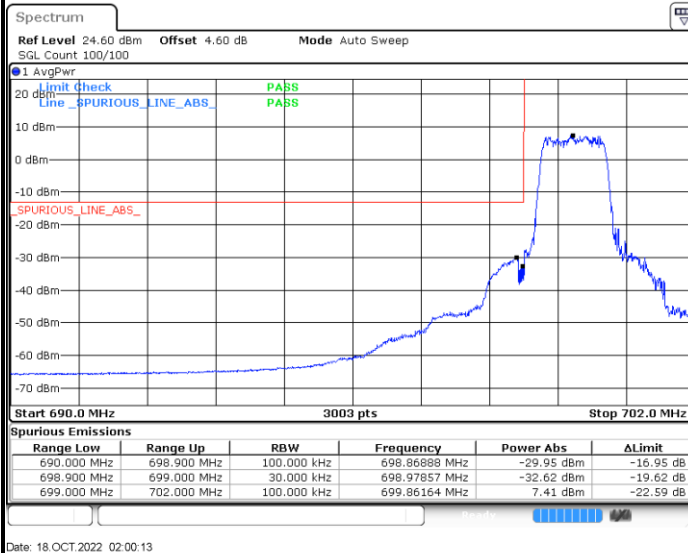
Lowest Band Edge / 1RB



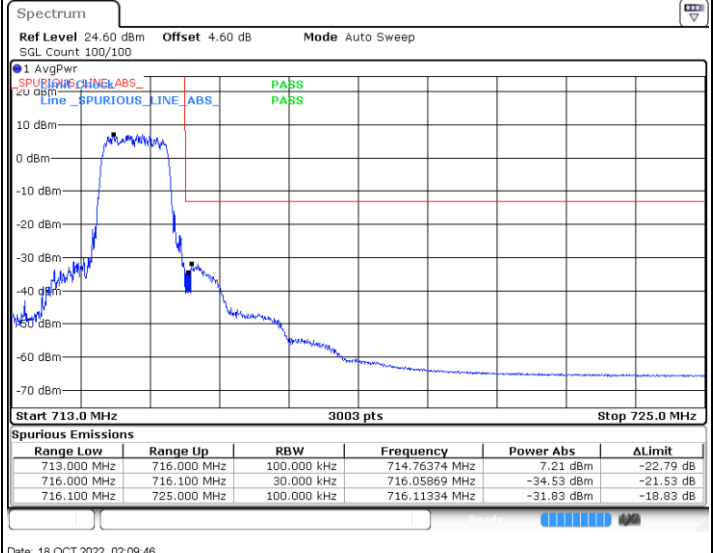
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



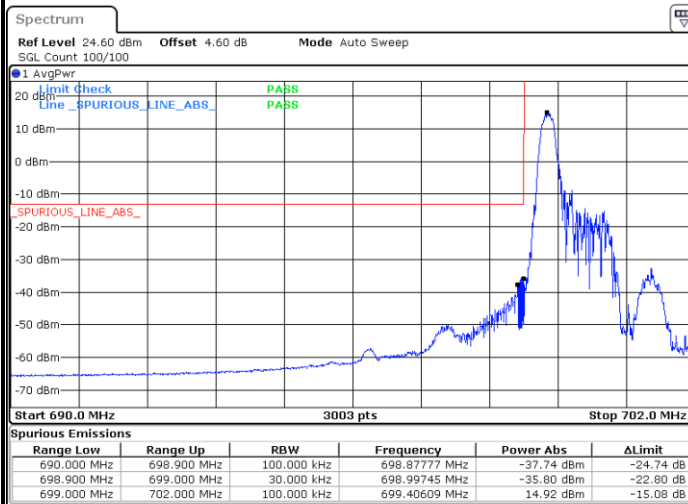
Highest Band Edge / Full RB



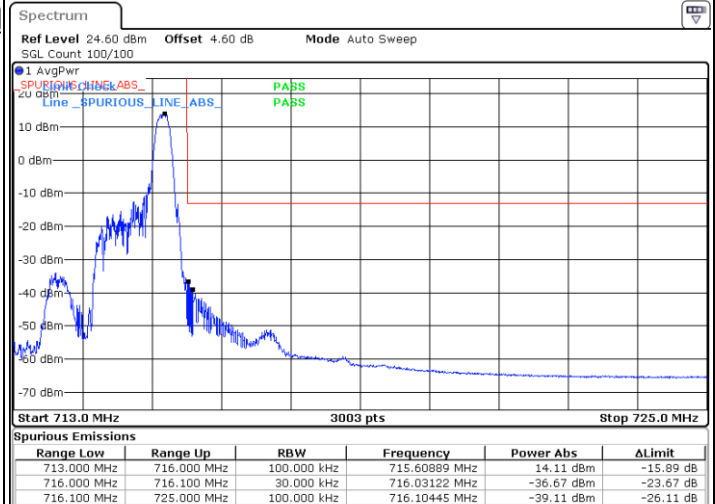


LTE Band 12 / 3MHz / 16QAM

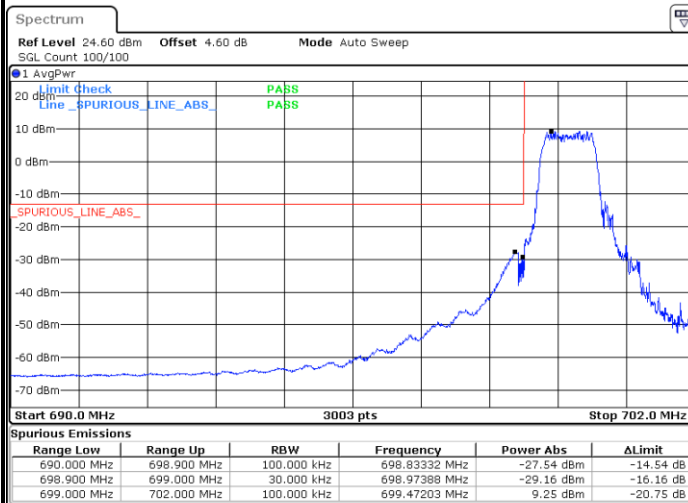
Lowest Band Edge / 1 RB



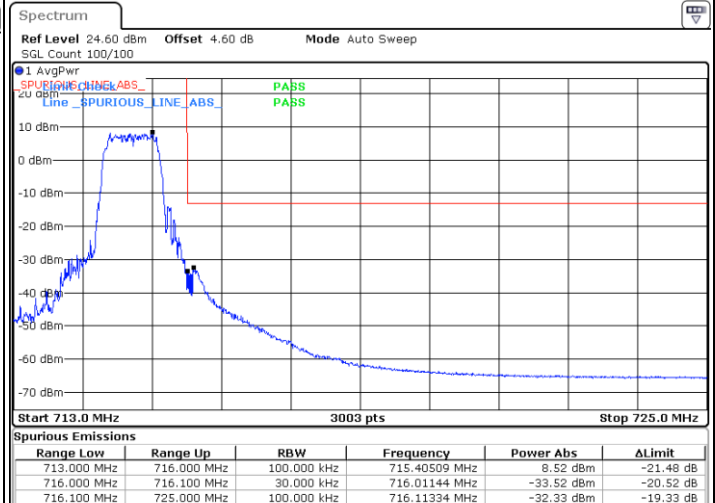
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



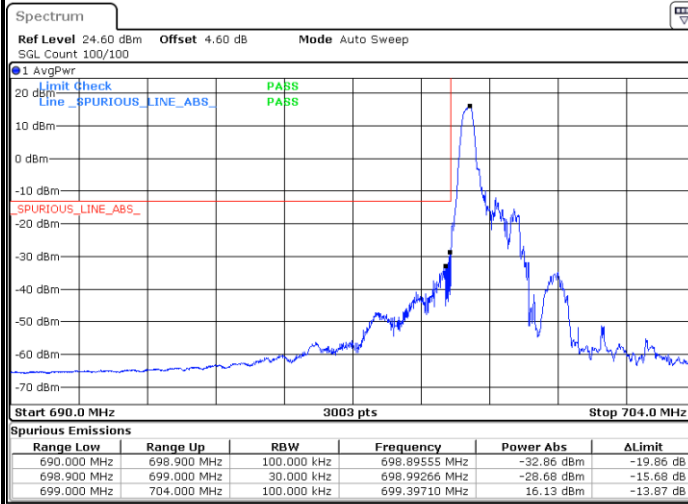
Highest Band Edge / Full RB





LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB



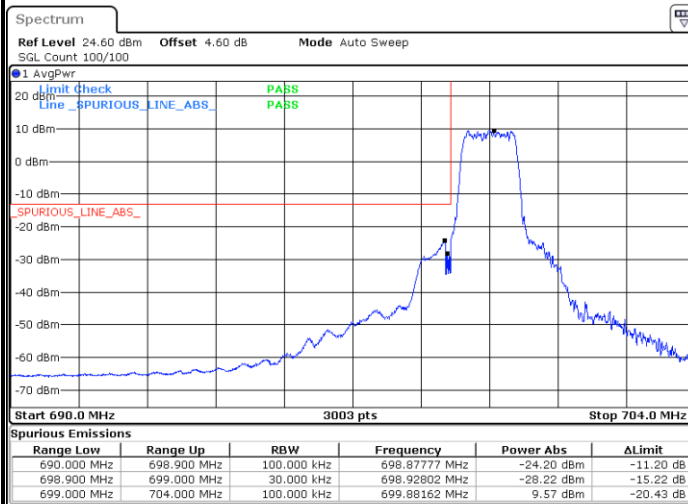
Date: 18.OCT.2022 02:14:57

Highest Band Edge / 1 RB



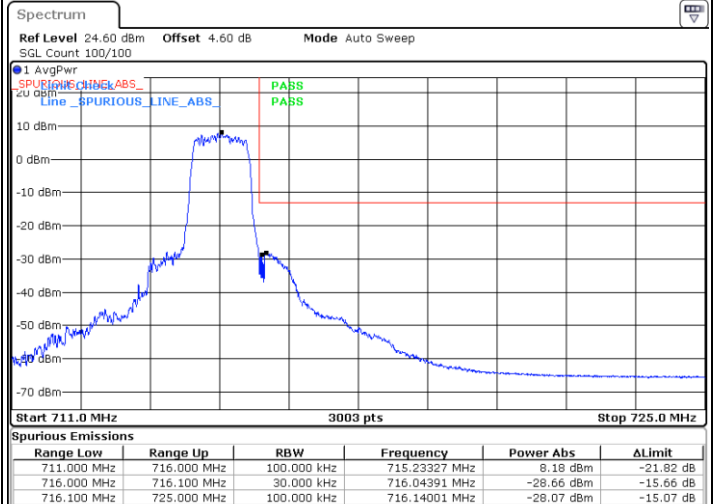
Date: 18.OCT.2022 02:23:51

Lowest Band Edge / Full RB



Date: 18.OCT.2022 02:18:39

Highest Band Edge / Full RB

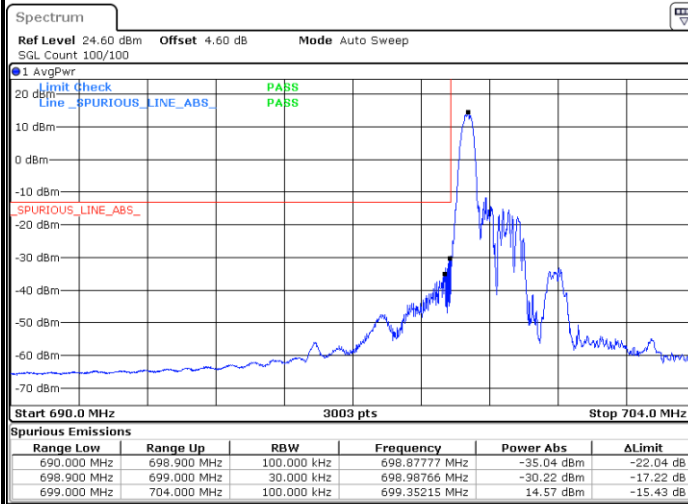


Date: 18.OCT.2022 02:28:34



LTE Band 12 / 5MHz / 16QAM

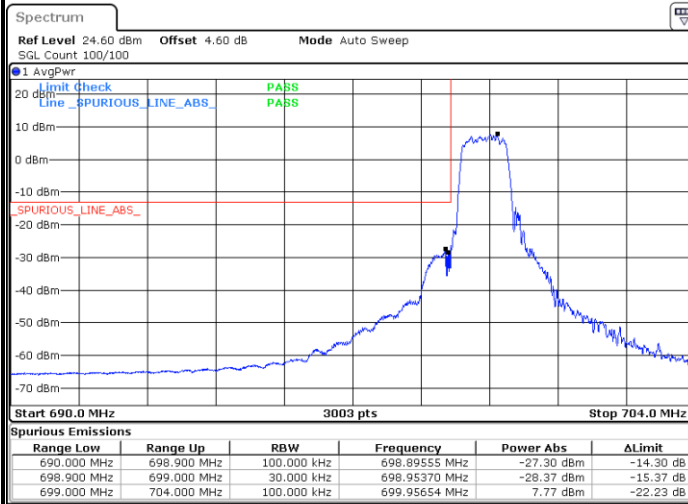
Lowest Band Edge / 1RB



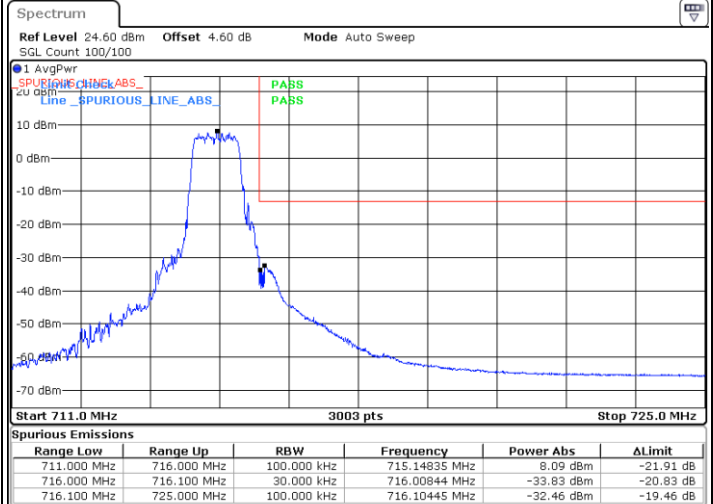
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



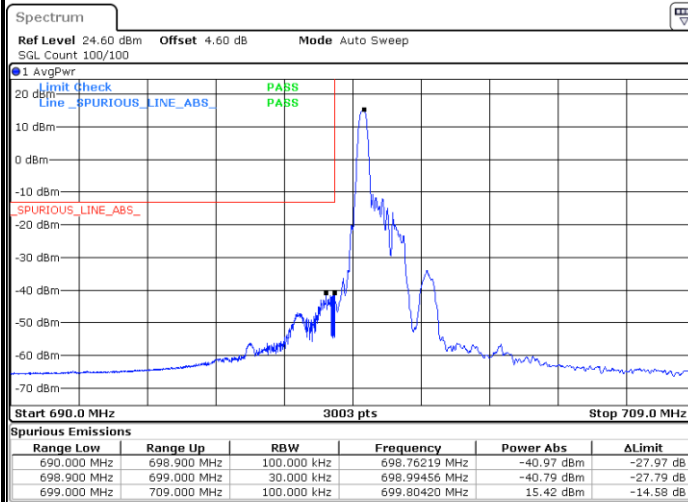
Highest Band Edge / Full RB





LTE Band 12 / 10MHz / QPSK

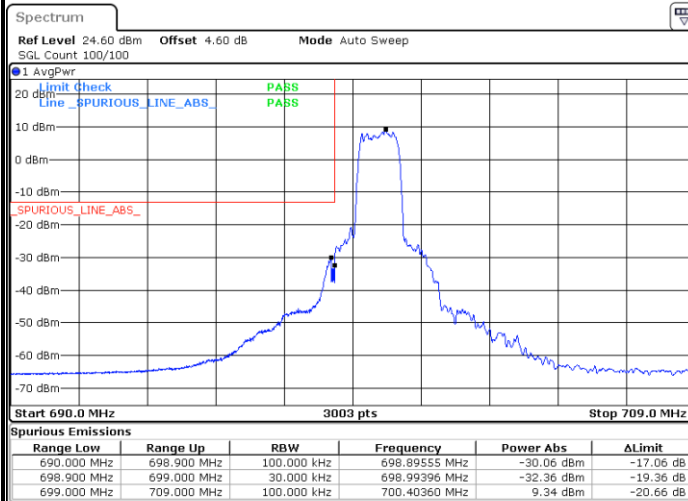
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

