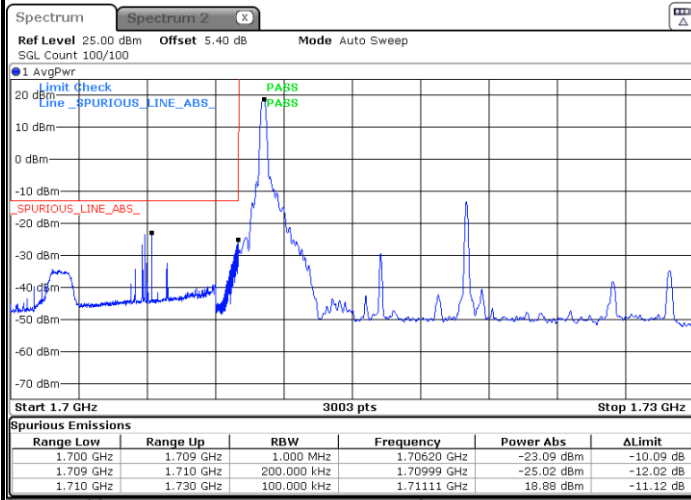




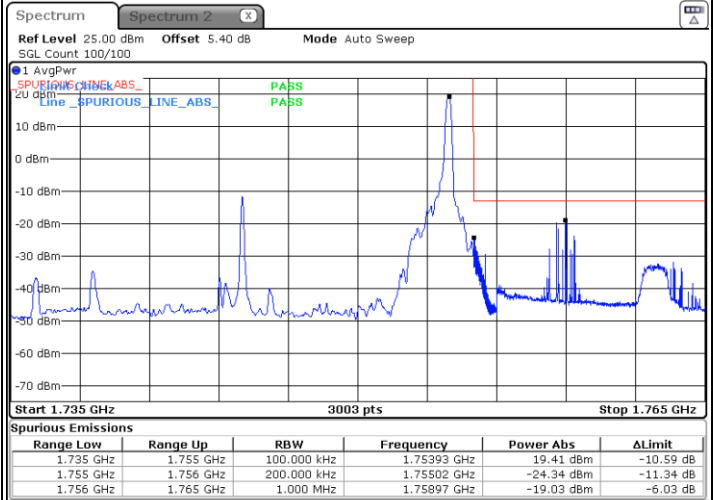
LTE Band 4 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



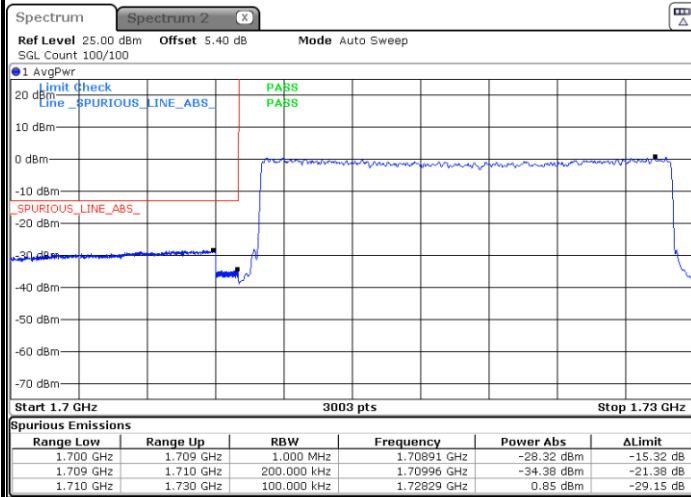
Date: 18.AUG.2022 17:22:54

Highest Band Edge / 1 RB



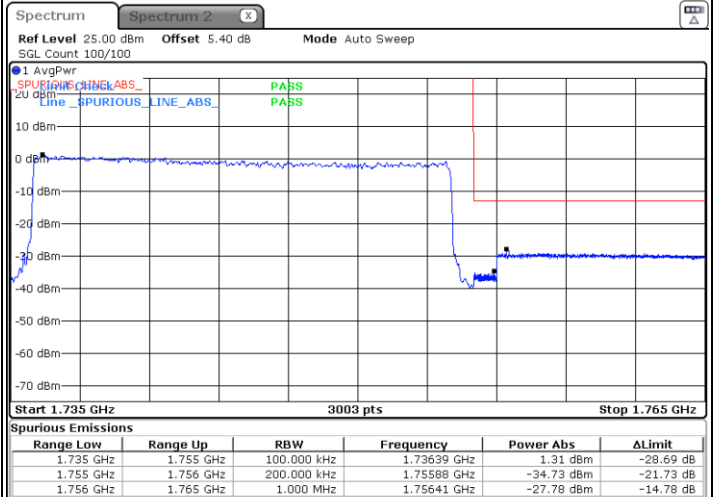
Date: 18.AUG.2022 17:30:37

Lowest Band Edge / Full RB



Date: 18.AUG.2022 17:25:23

Highest Band Edge / Full RB

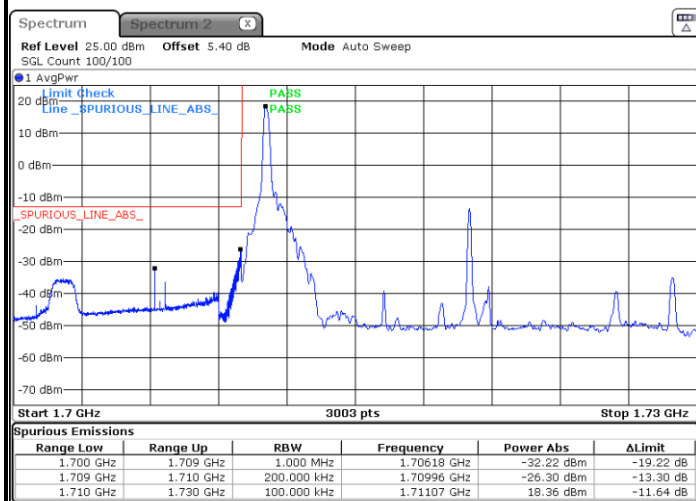


Date: 18.AUG.2022 17:33:07

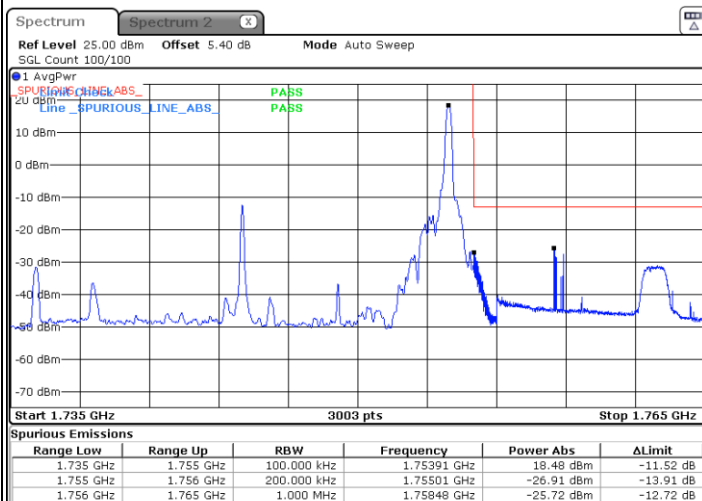


LTE Band 4 / 20MHz / 64QAM

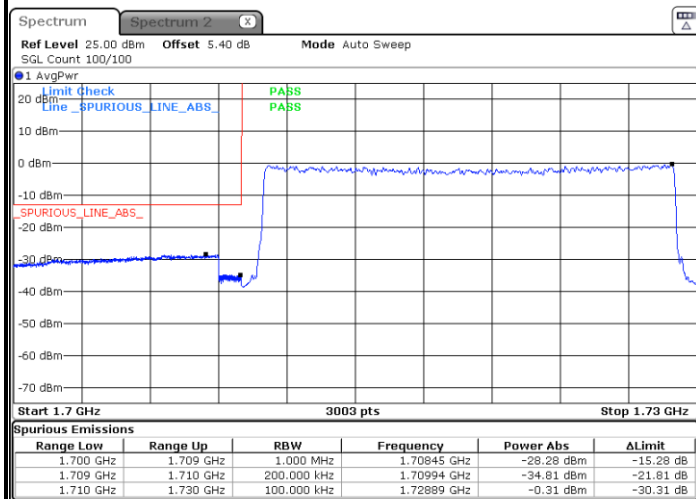
Lowest Band Edge / 1 RB



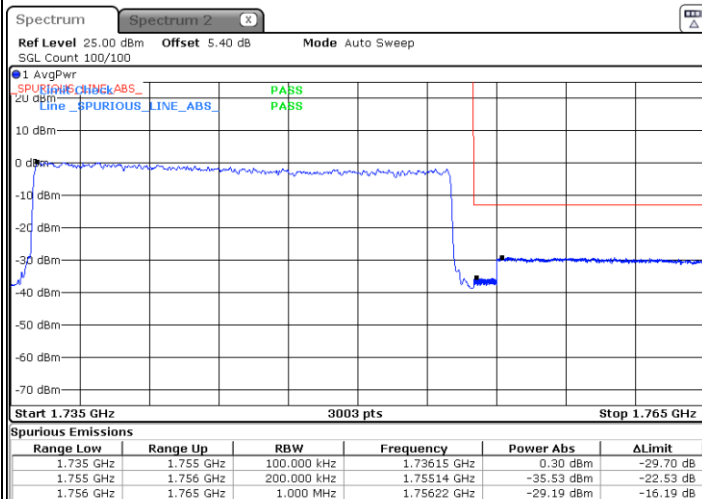
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

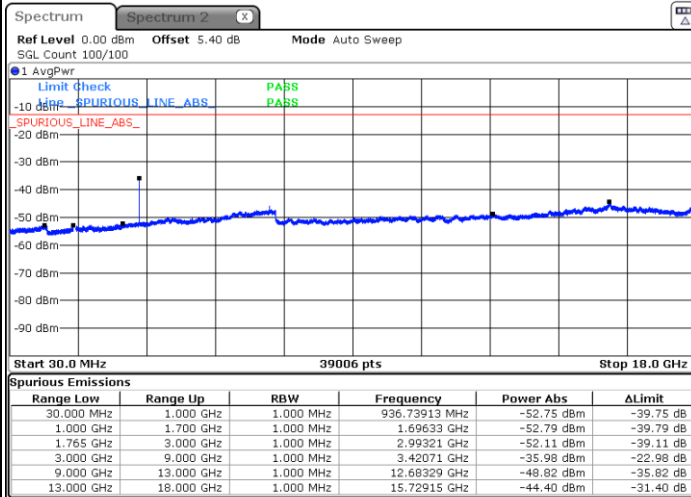




Conducted Spurious Emission

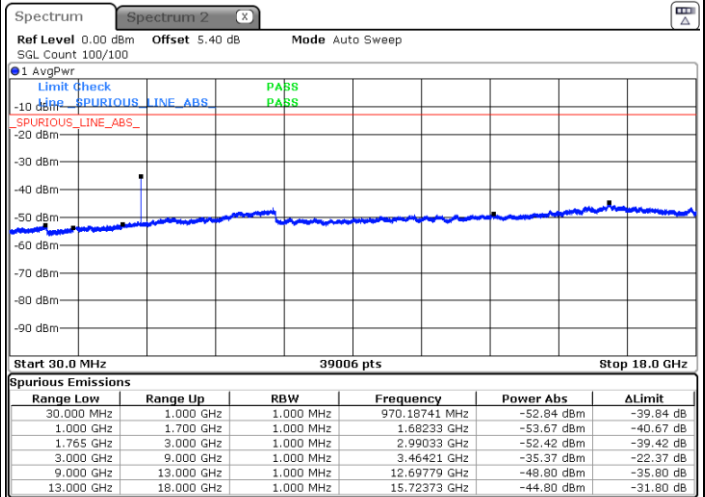
LTE Band 4 / 1.4MHz

Lowest Channel / QPSK



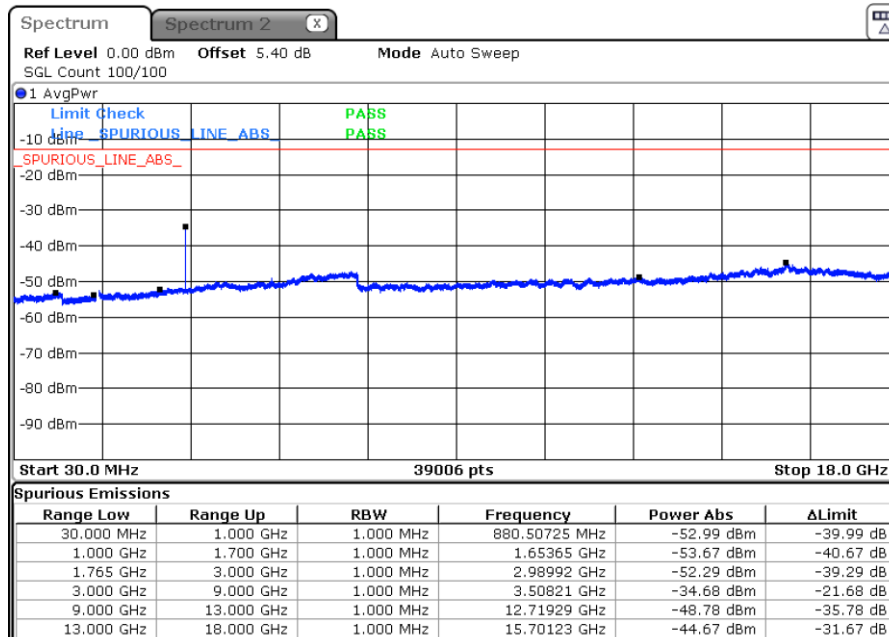
Date: 18.AUG.2022 15:34:47

Middle Channel / QPSK



Date: 18.AUG.2022 15:44:59

Highest Channel / QPSK

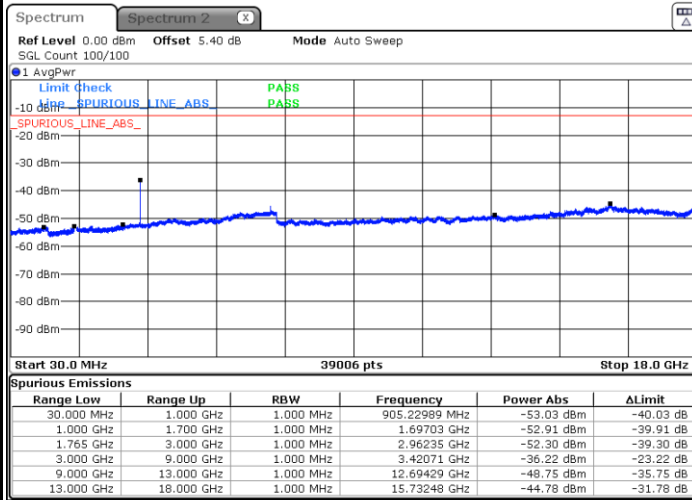


Date: 18.AUG.2022 15:46:21



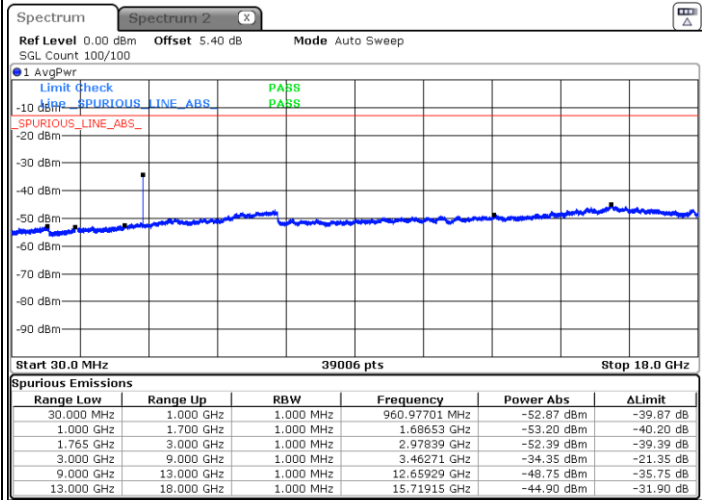
LTE Band 4 / 3MHz

Lowest Channel / QPSK



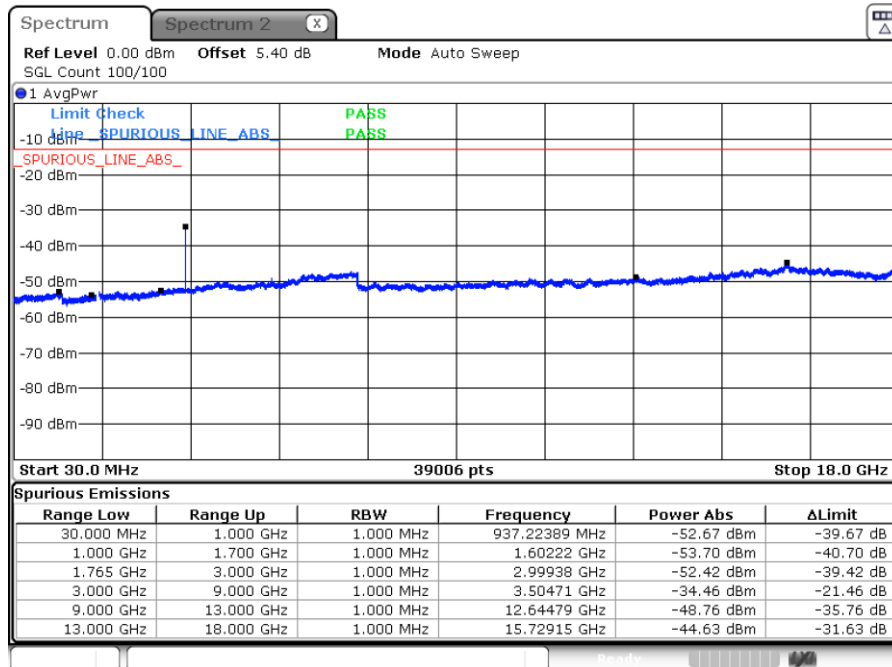
Date: 18.AUG.2022 15:56:33

Middle Channel / QPSK



Date: 18.AUG.2022 16:06:44

Highest Channel / QPSK

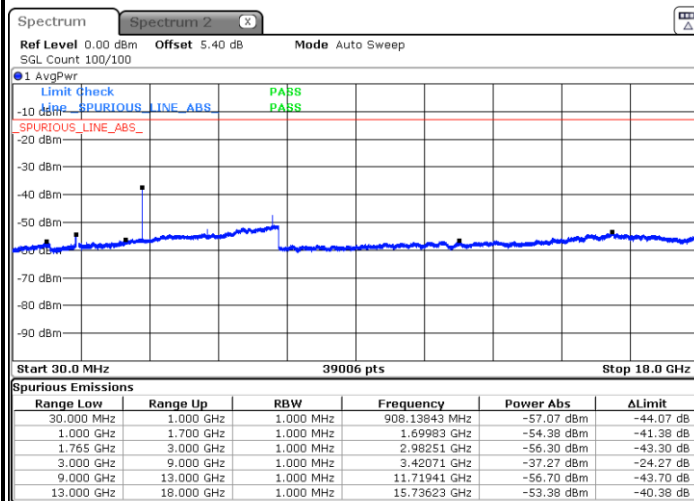


Date: 18.AUG.2022 16:08:06



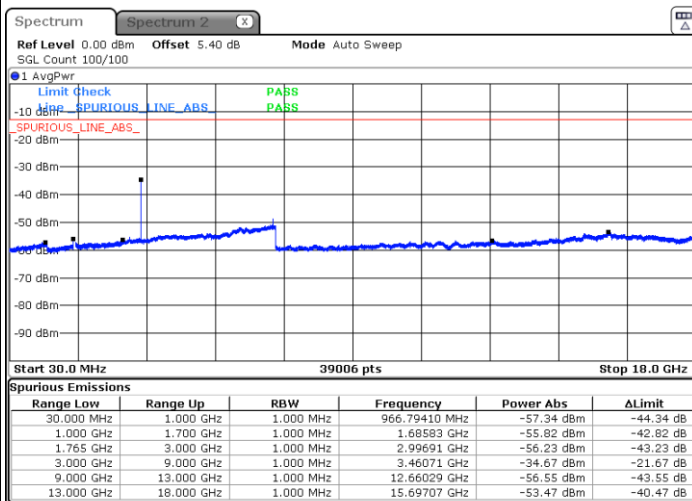
LTE Band 4 / 5MHz

Lowest Channel / QPSK



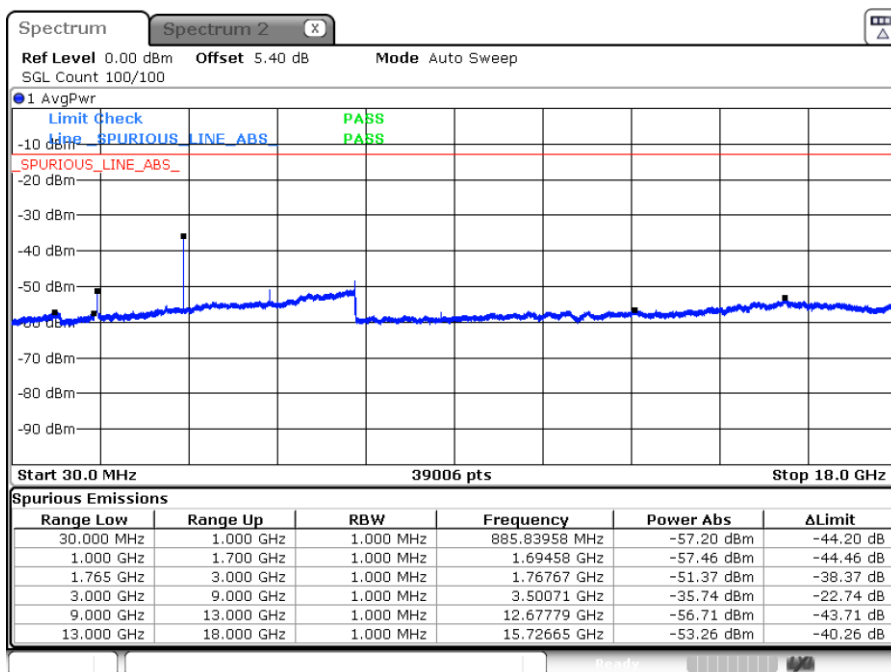
Date: 18.AUG.2022 16:18:17

Middle Channel / QPSK



Date: 18.AUG.2022 16:28:29

Highest Channel / QPSK

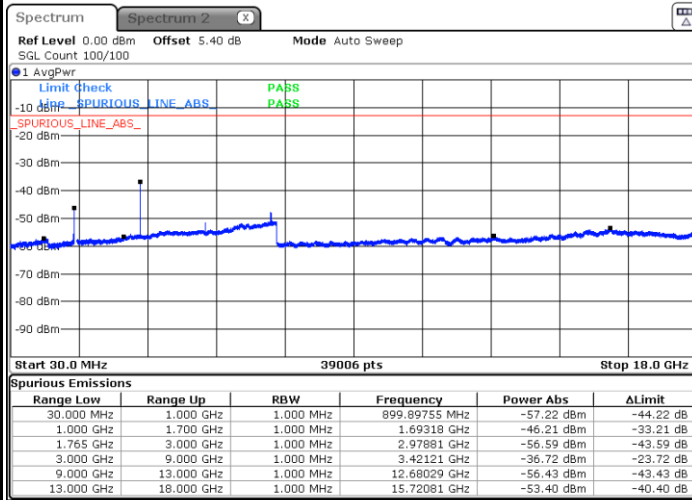


Date: 18.AUG.2022 16:29:51



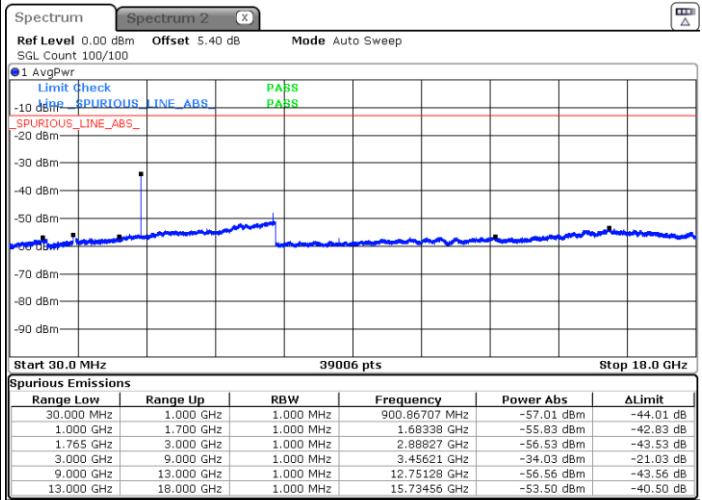
LTE Band 4 / 10MHz

Lowest Channel / QPSK



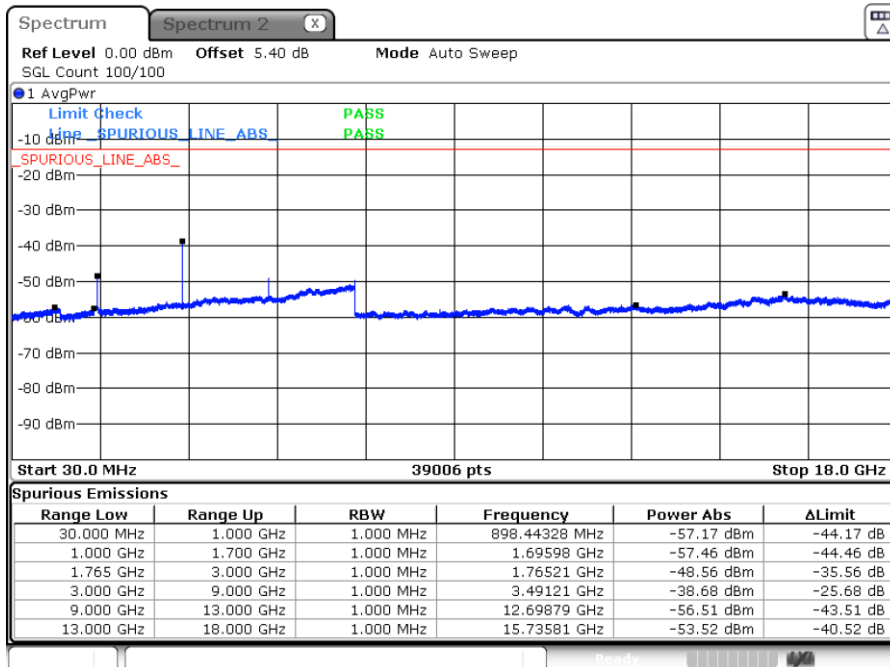
Date: 18.AUG.2022 16:38:39

Middle Channel / QPSK



Date: 18.AUG.2022 16:45:01

Highest Channel / QPSK

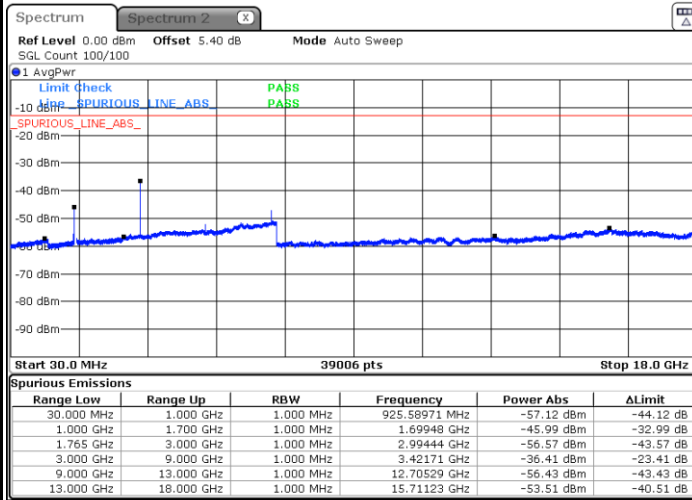


Date: 18.AUG.2022 16:46:23



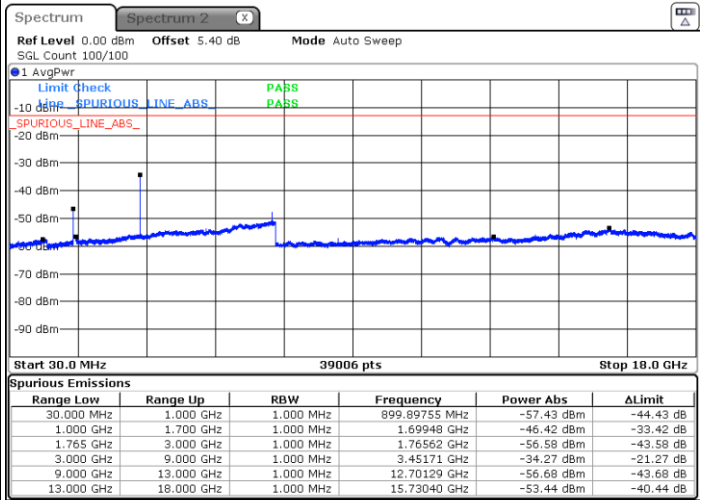
LTE Band 4 / 15MHz

Lowest Channel / QPSK



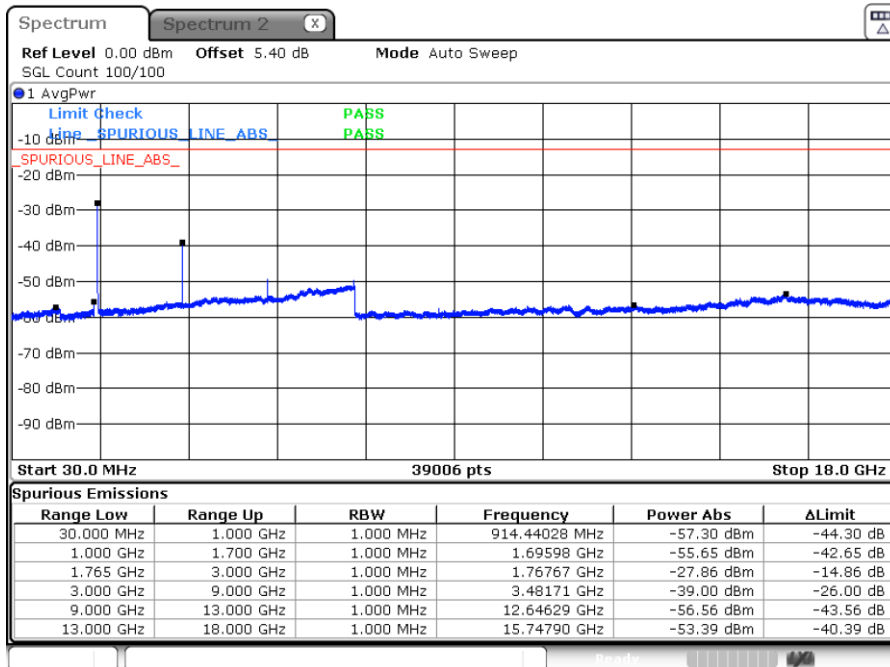
Date: 18.AUG.2022 16:52:46

Middle Channel / QPSK



Date: 18.AUG.2022 16:59:08

Highest Channel / QPSK

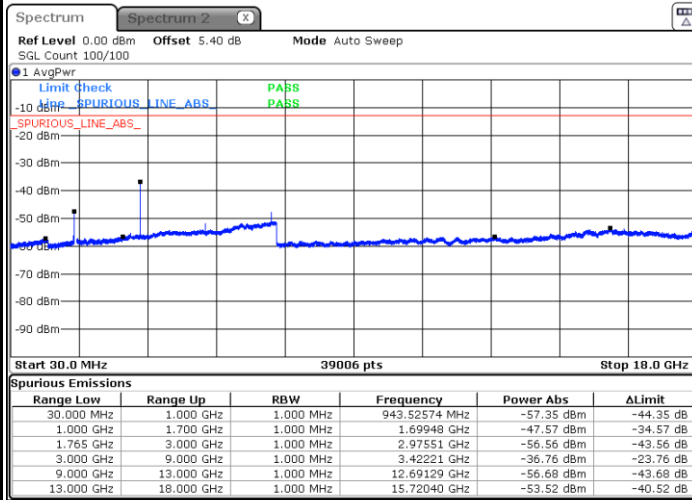


Date: 18.AUG.2022 17:00:30



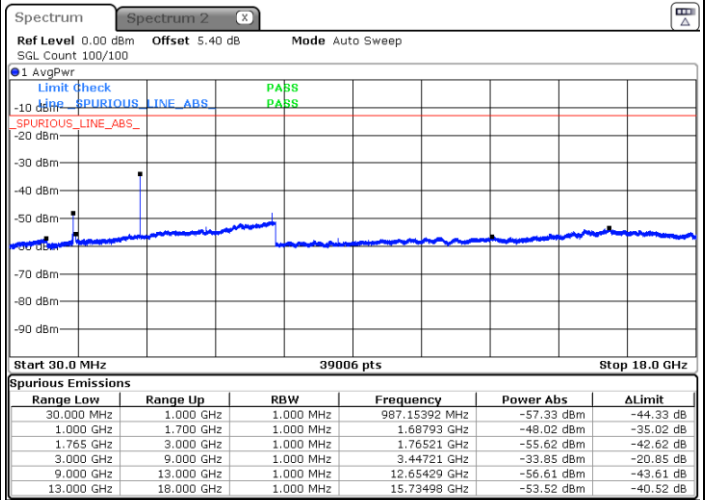
LTE Band 4 / 20MHz

Lowest Channel / QPSK



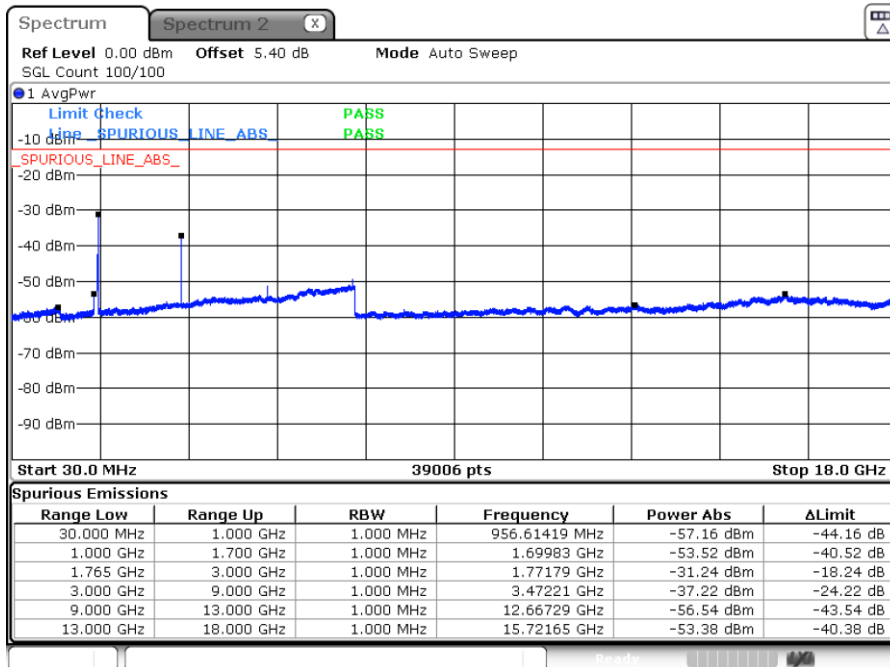
Date: 18.AUG.2022 17:06:52

Middle Channel / QPSK



Date: 18.AUG.2022 17:27:35

Highest Channel / QPSK



Date: 18.AUG.2022 17:28:57

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	0.0025	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0019	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0008	
20	Battery End Point	0.0014	

Note:

1. Normal Voltage =3.86 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



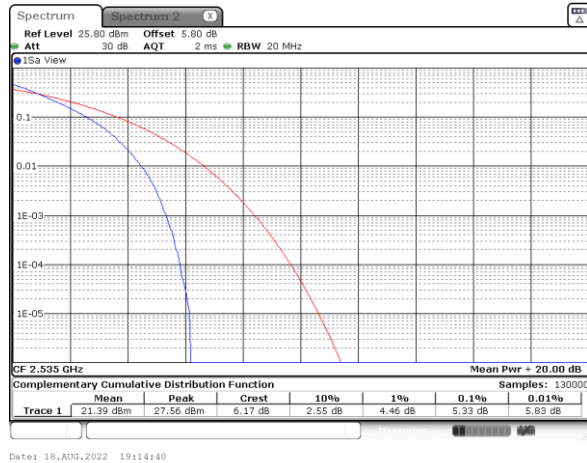
LTE Band 7

Peak-to-Average Ratio

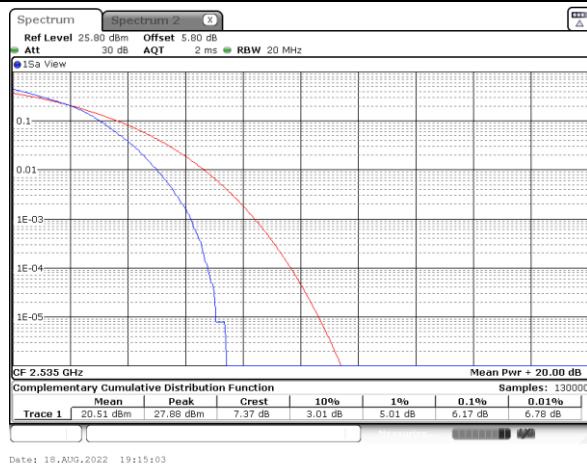
Mode	LTE Band 7 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.33	6.17	6.49	PASS

LTE Band 7 / 20MHz

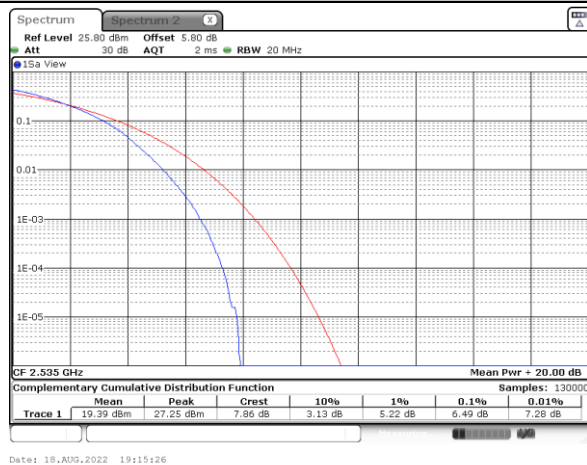
Middle Channel / Full RB / QPSK



Middle Channel / Full RB / 16QAM

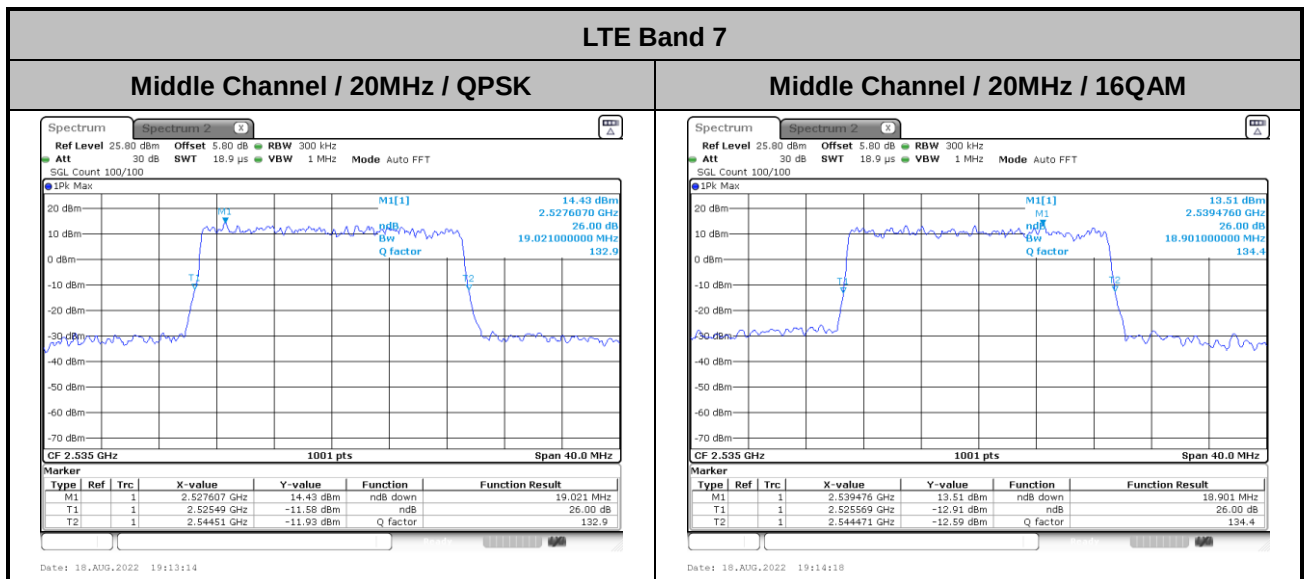


Middle Channel / Full RB / 64QAM



**26dB Bandwidth**

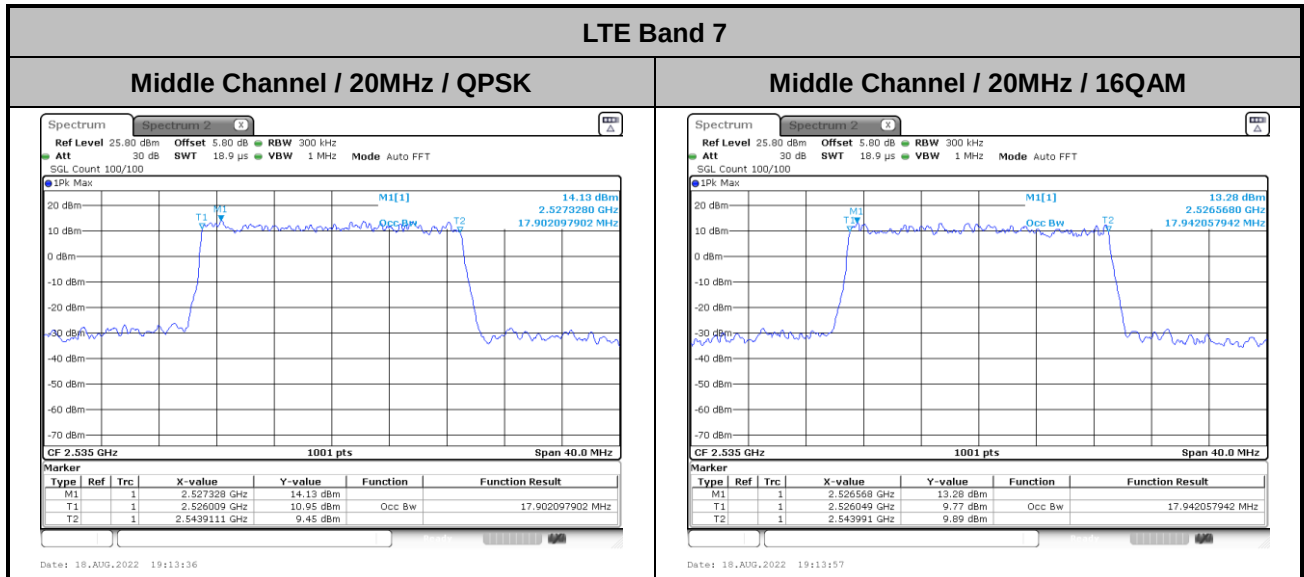
Mode	LTE Band 7 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.02	18.90





Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.90	17.94

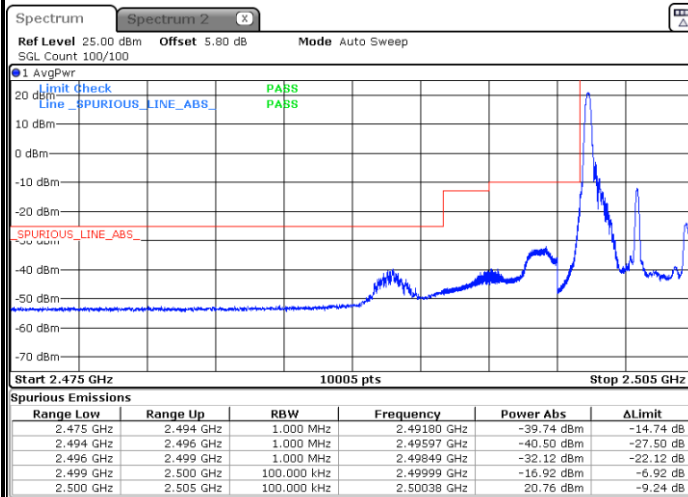




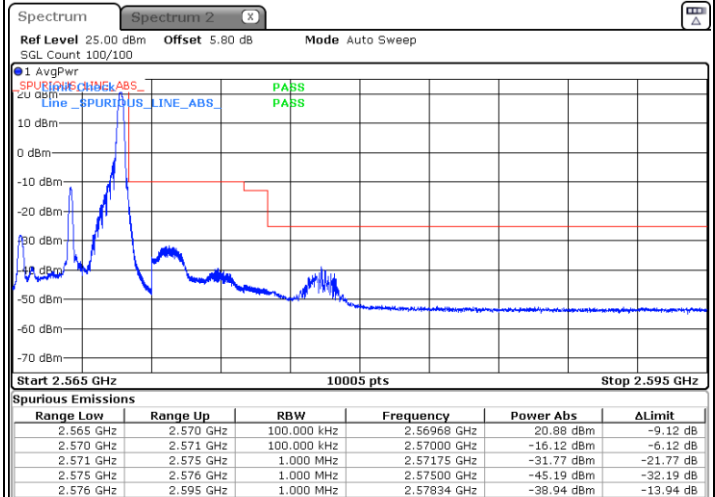
Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

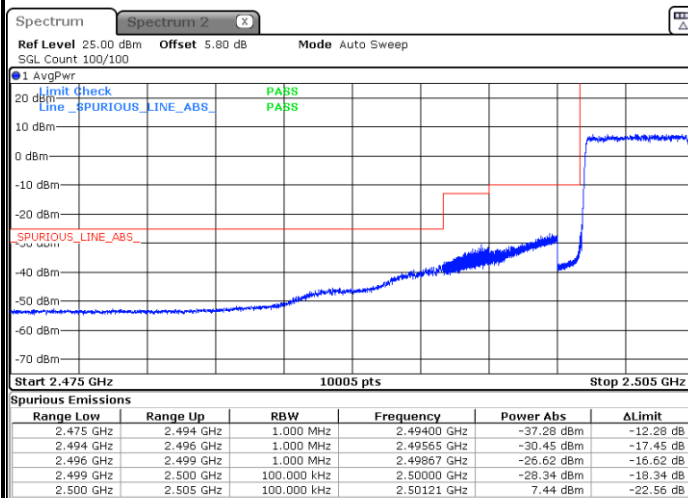
Lowest Band Edge / 1 RB



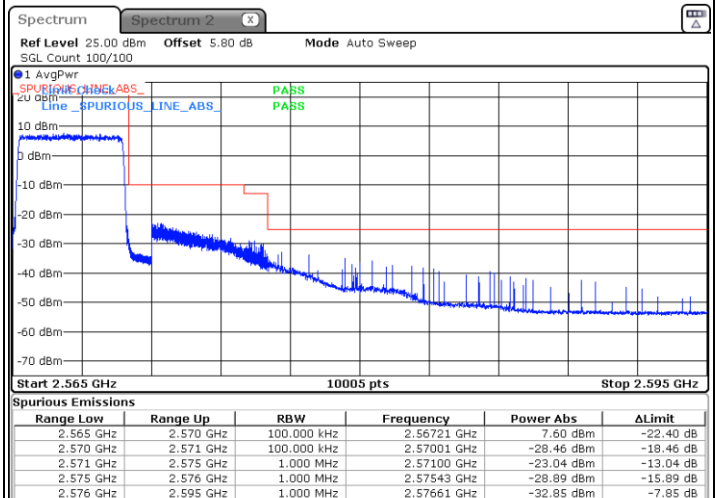
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



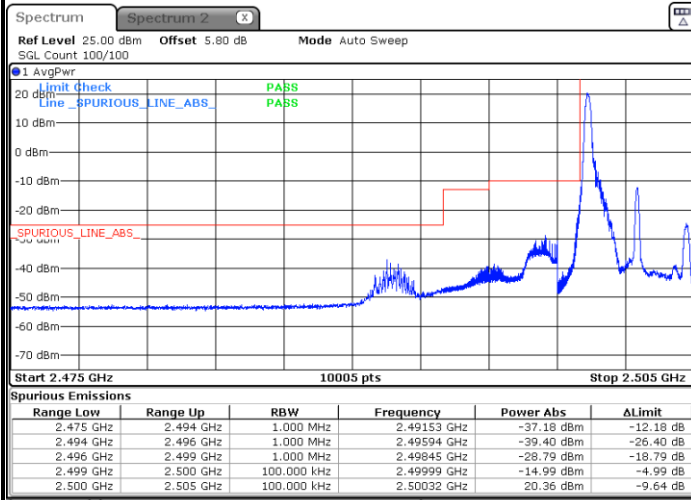
Highest Band Edge / Full RB



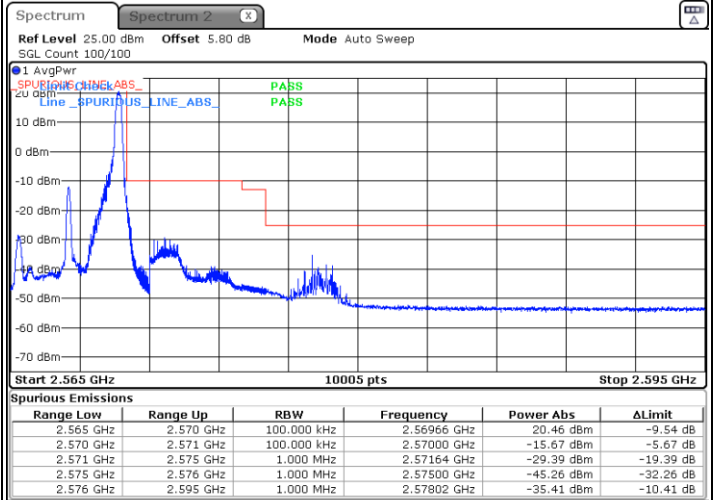


LTE Band 7 / 5MHz / 16QAM

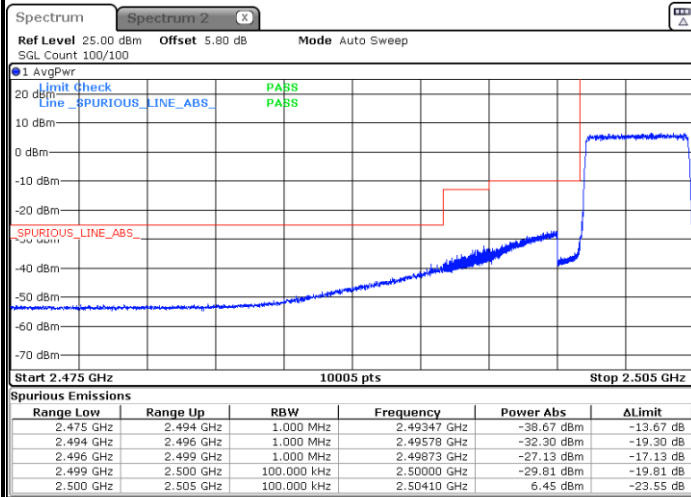
Lowest Band Edge / 1RB



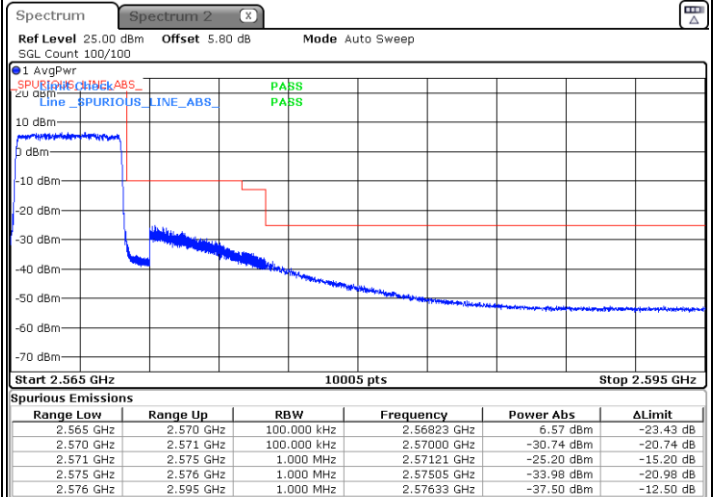
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



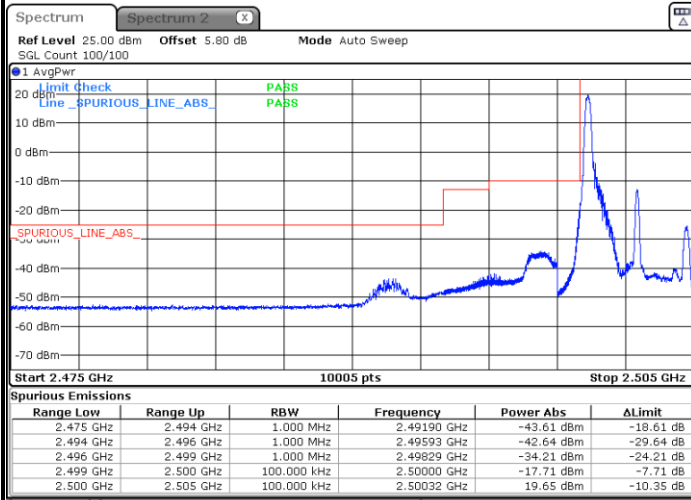
Highest Band Edge / Full RB



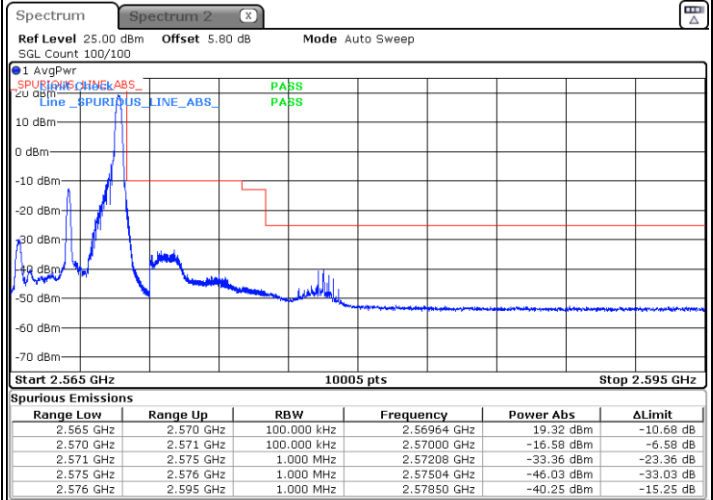


LTE Band 7 / 5MHz / 64QAM

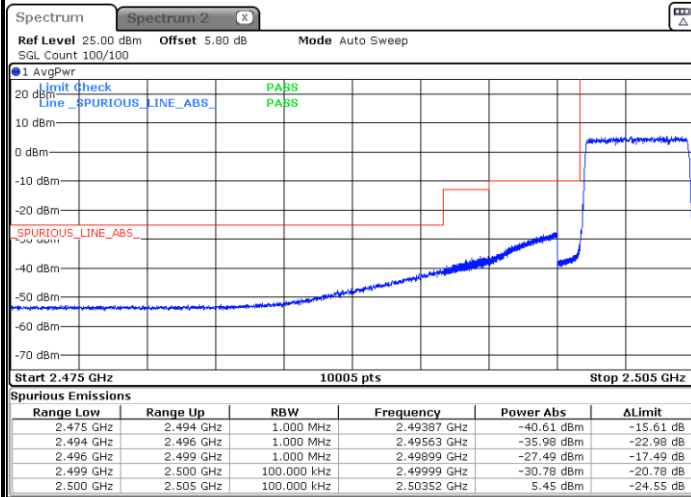
Lowest Band Edge / 1RB



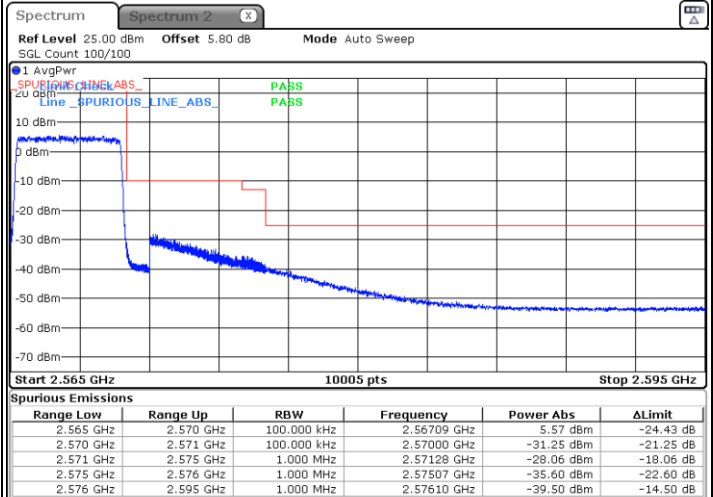
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



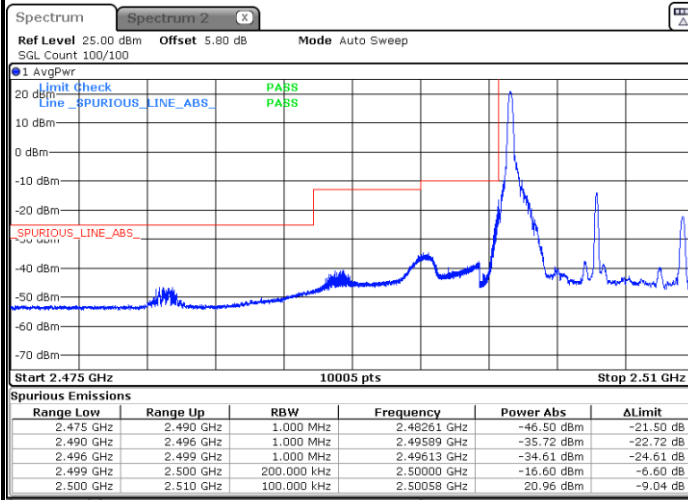
Highest Band Edge / Full RB



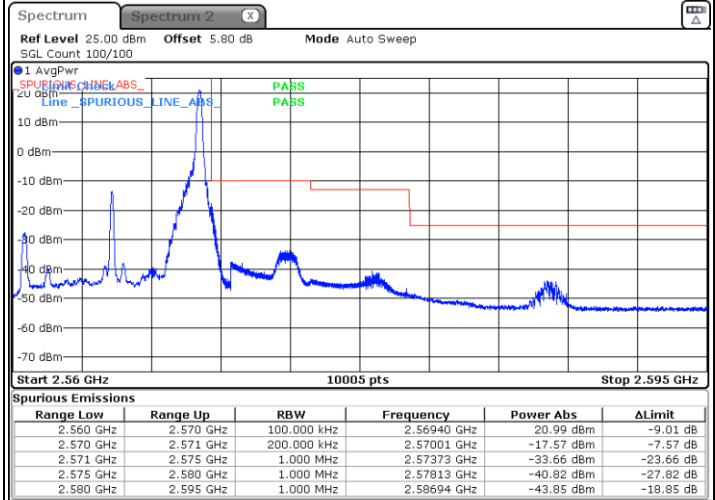


LTE Band 7 / 10MHz / QPSK

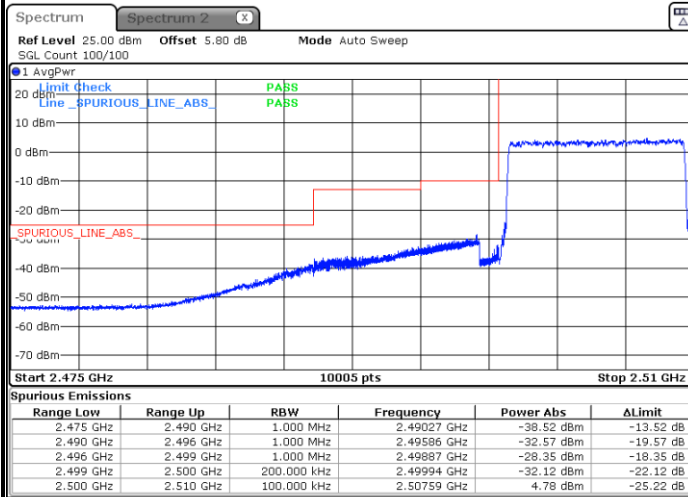
Lowest Band Edge / 1 RB



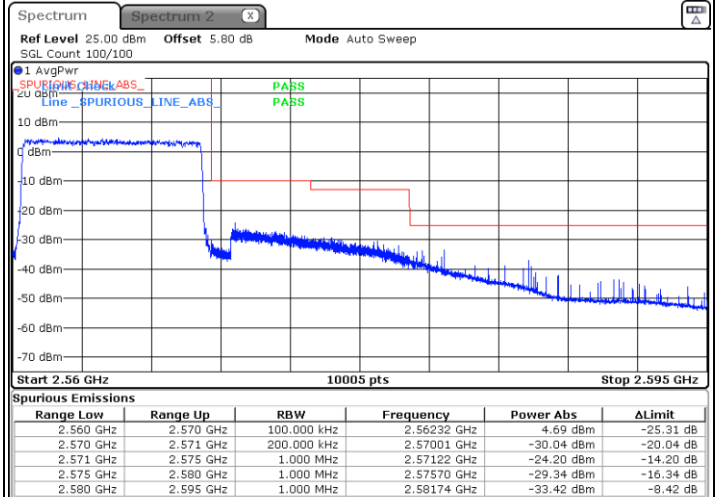
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



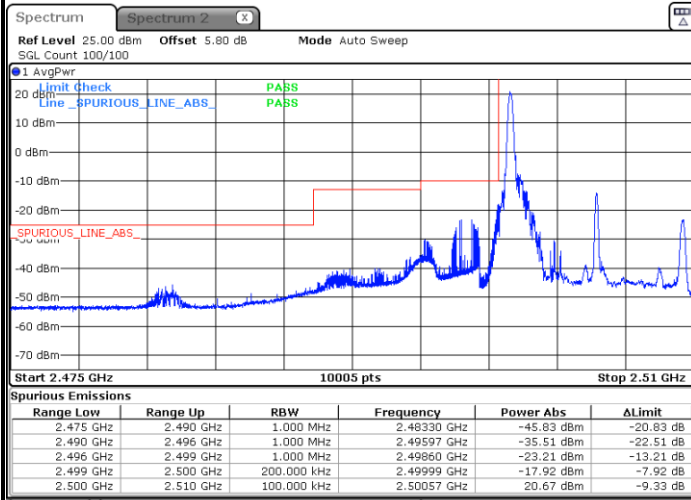
Highest Band Edge / Full RB



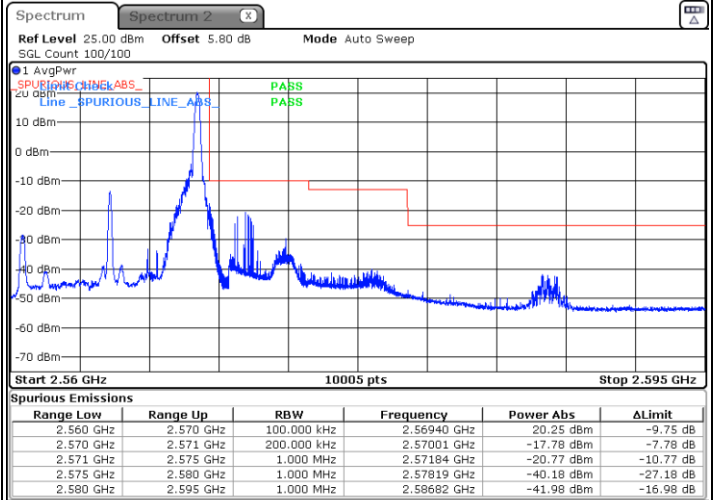


LTE Band 7 / 10MHz / 16QAM

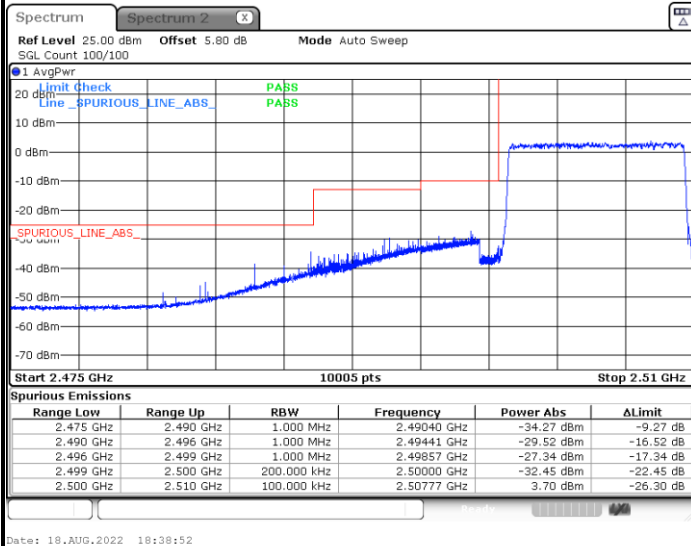
Lowest Band Edge / 1 RB



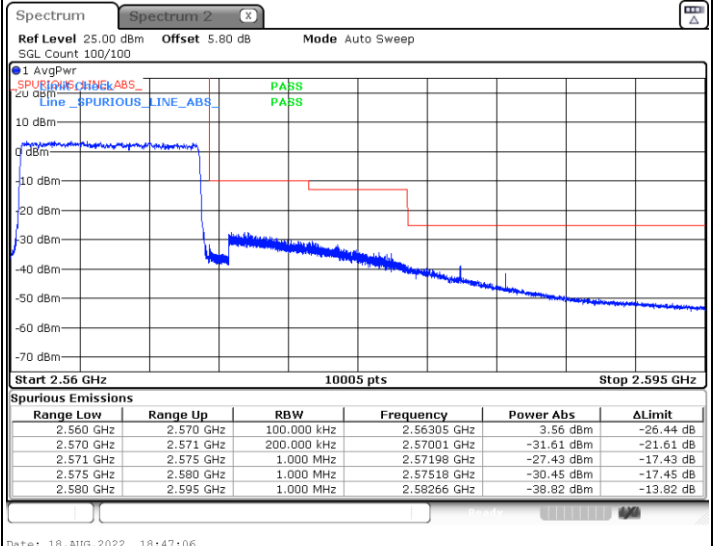
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



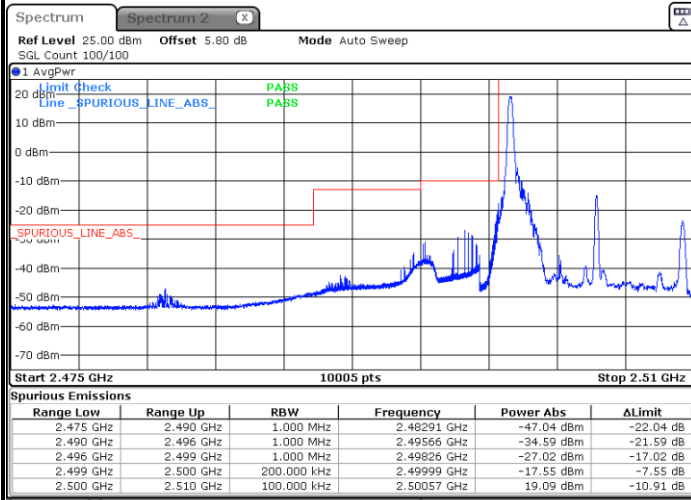
Highest Band Edge / Full RB



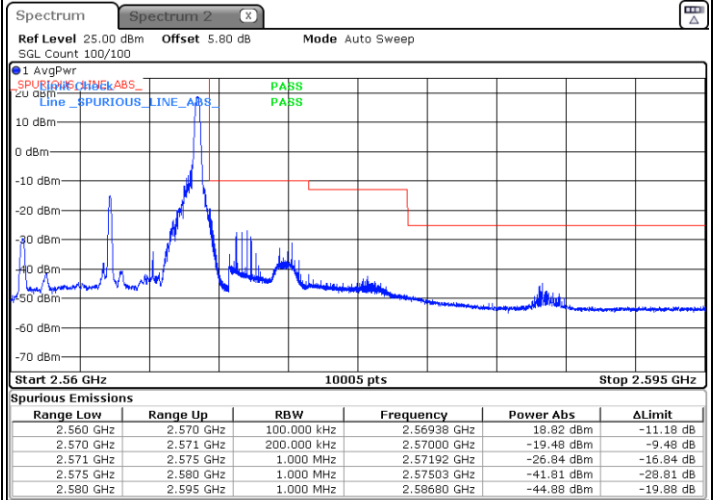


LTE Band 7 / 10MHz / 64QAM

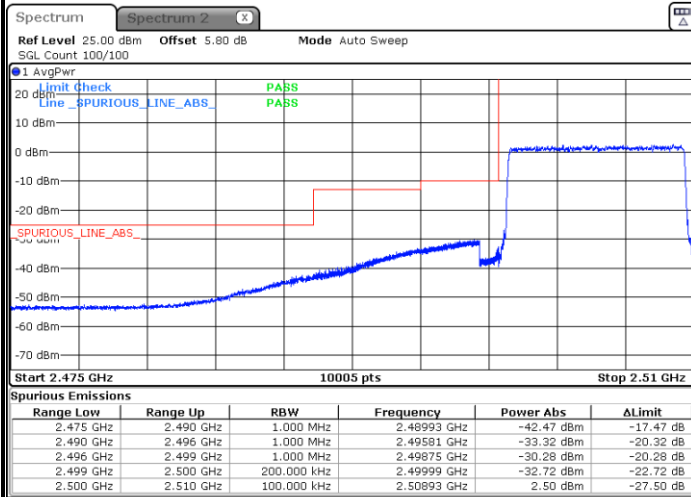
Lowest Band Edge / 1 RB



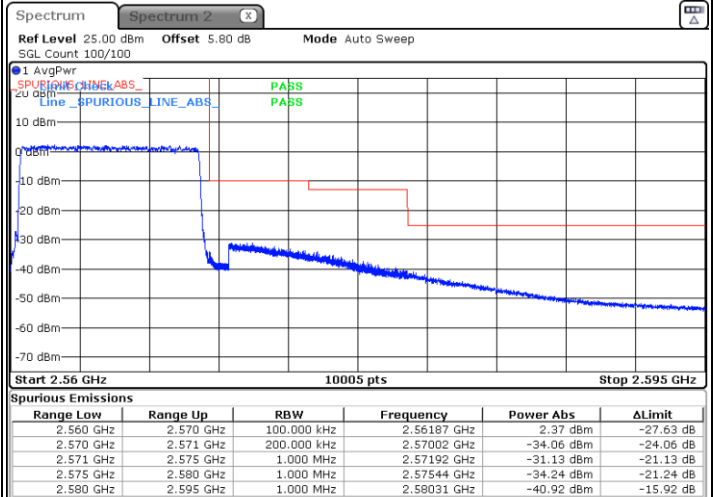
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



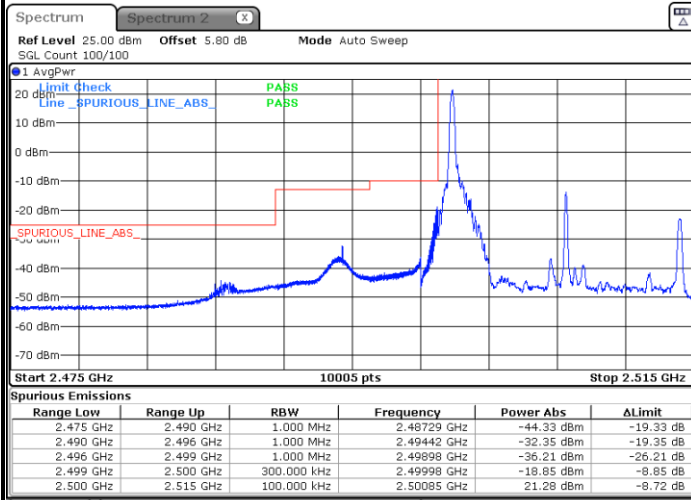
Highest Band Edge / Full RB



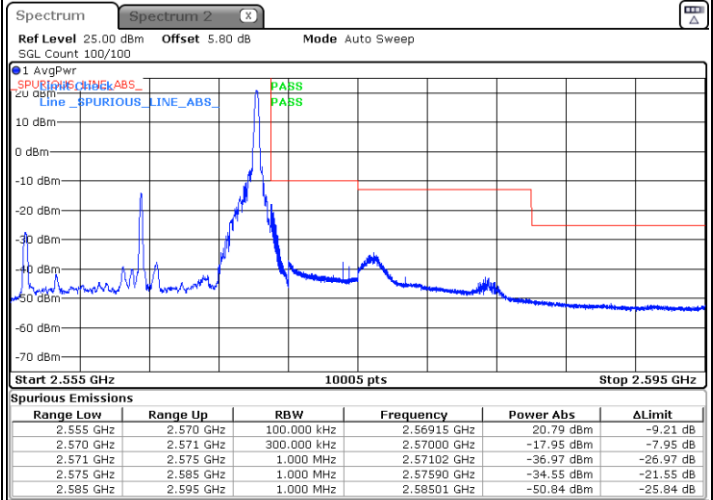


LTE Band 7 / 15MHz / QPSK

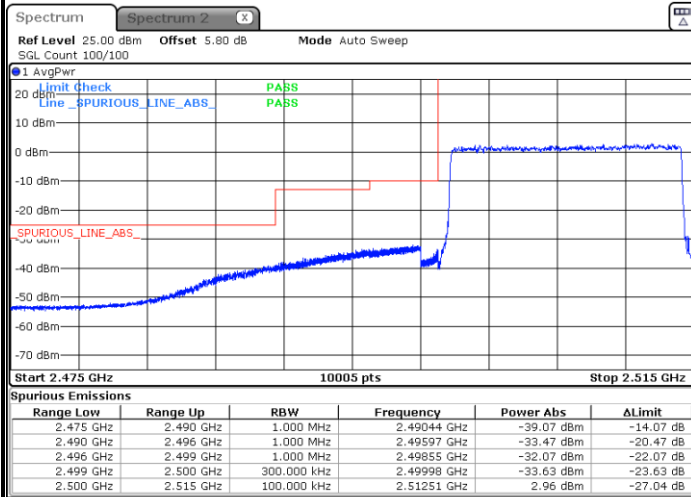
Lowest Band Edge / 1 RB



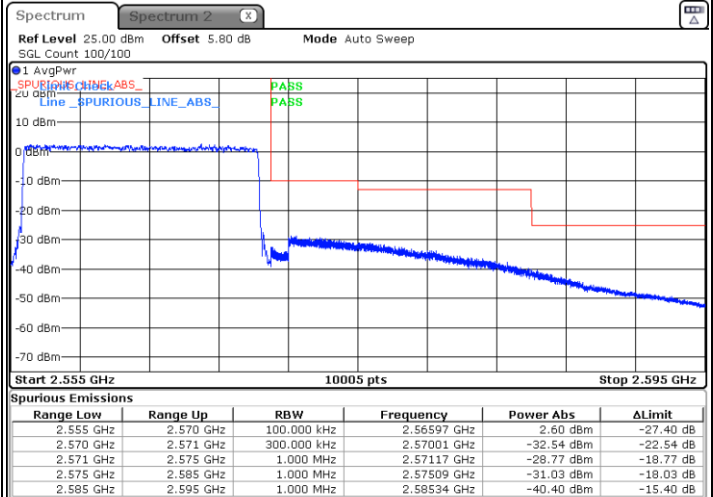
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



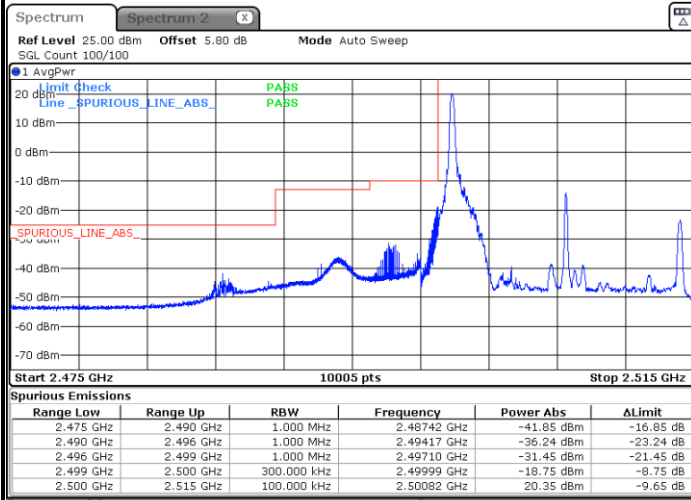
Highest Band Edge / Full RB





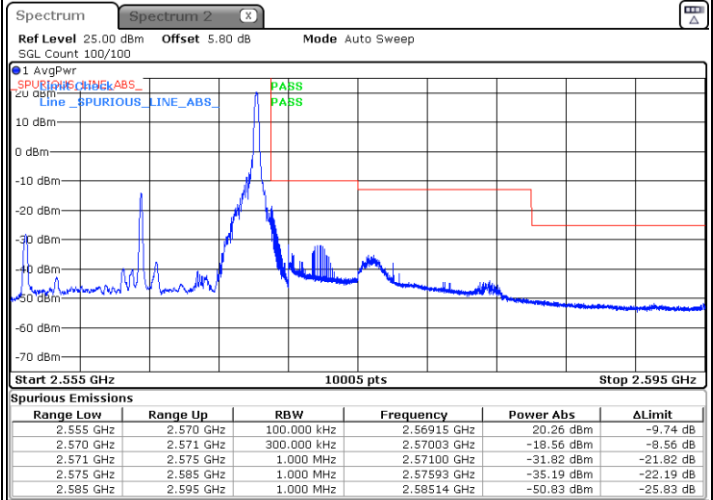
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



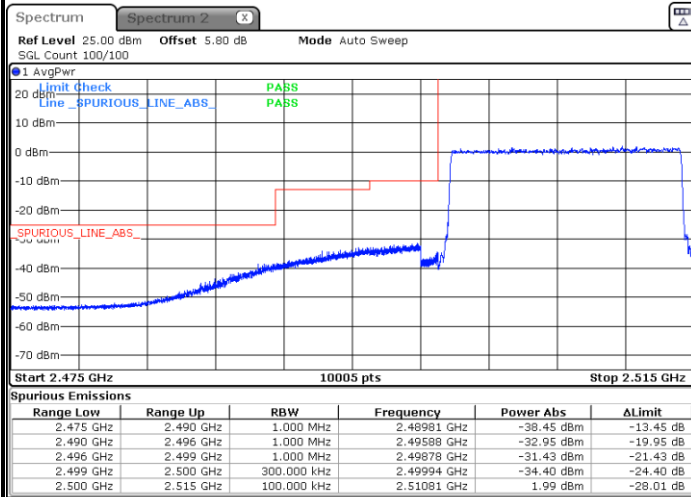
Date: 18.AUG.2022 18:51:14

Highest Band Edge / 1 RB



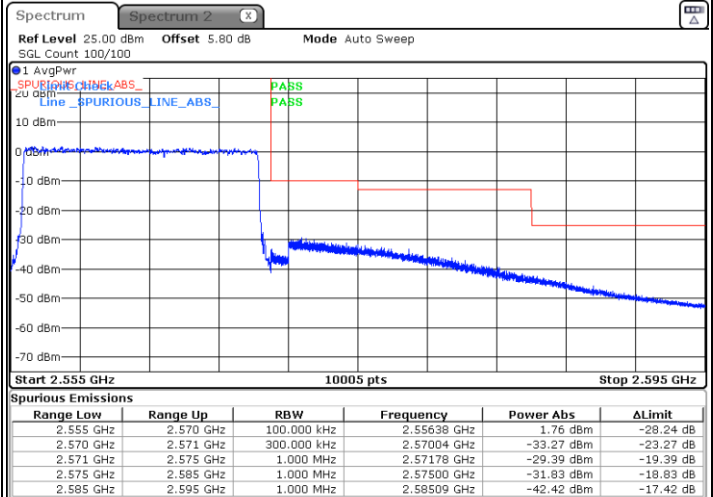
Date: 18.AUG.2022 18:59:26

Lowest Band Edge / Full RB



Date: 18.AUG.2022 18:54:00

Highest Band Edge / Full RB

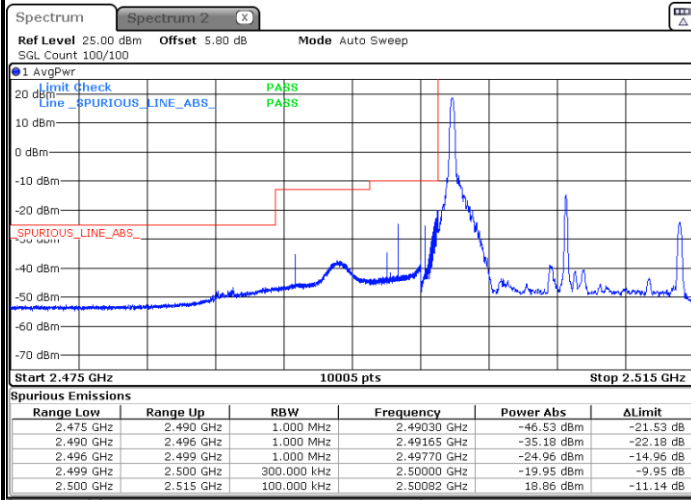


Date: 18.AUG.2022 19:02:16

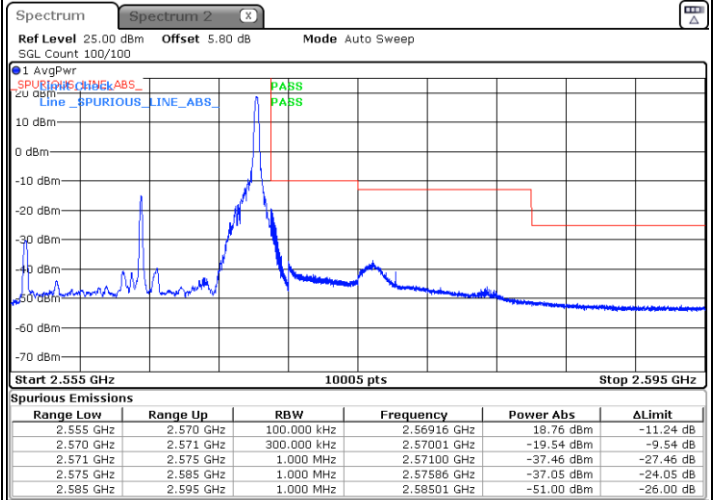


LTE Band 7 / 15MHz / 64QAM

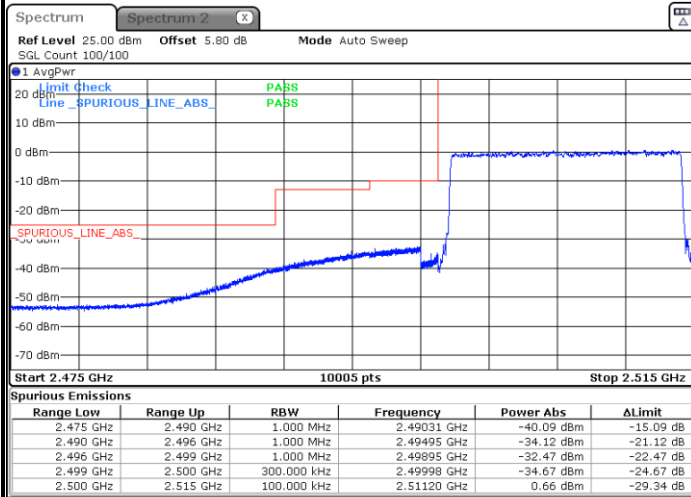
Lowest Band Edge / 1 RB



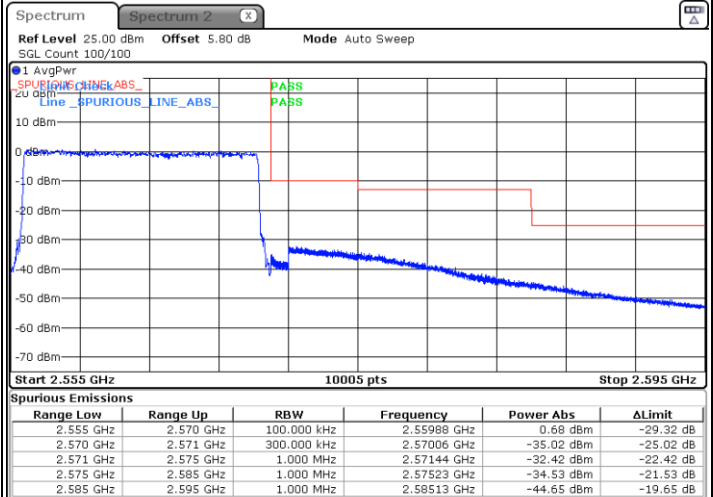
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



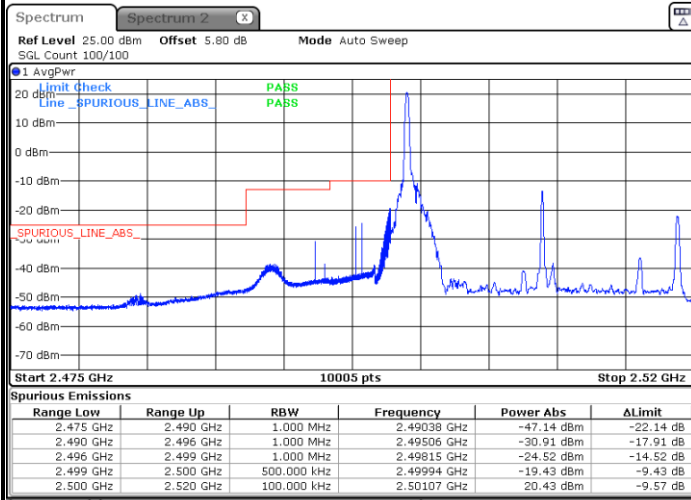
Highest Band Edge / Full RB





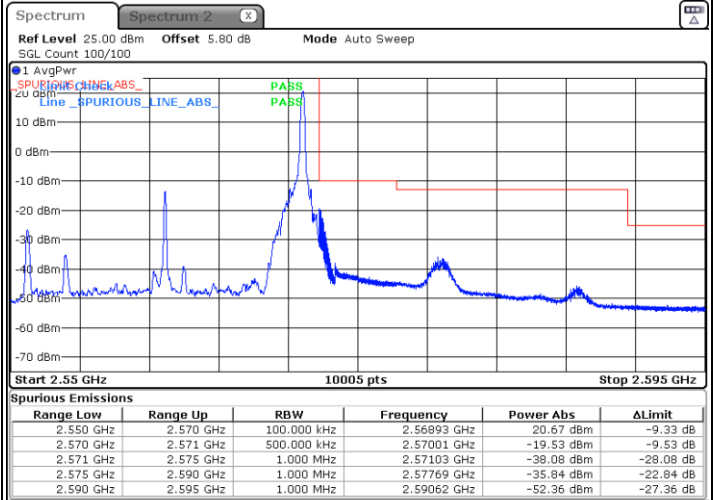
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



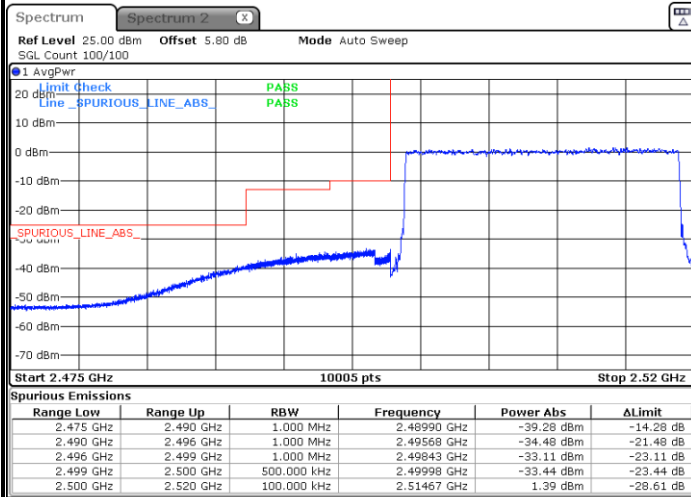
Date: 18.AUG.2022 19:04:38

Highest Band Edge / 1 RB



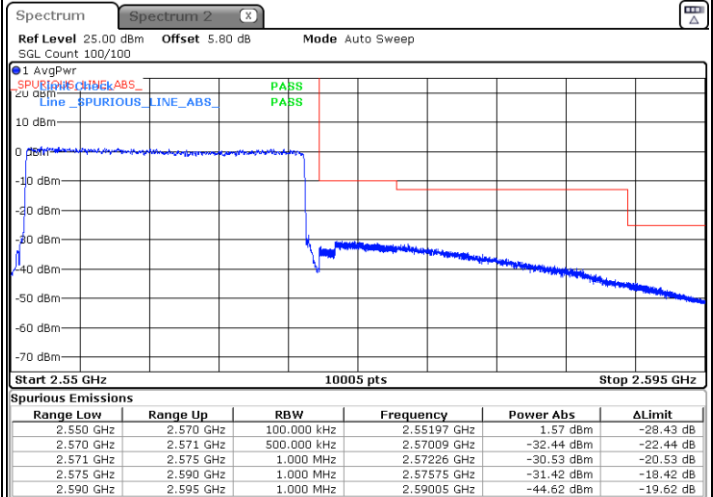
Date: 18.AUG.2022 19:10:21

Lowest Band Edge / Full RB



Date: 18.AUG.2022 19:07:11

Highest Band Edge / Full RB

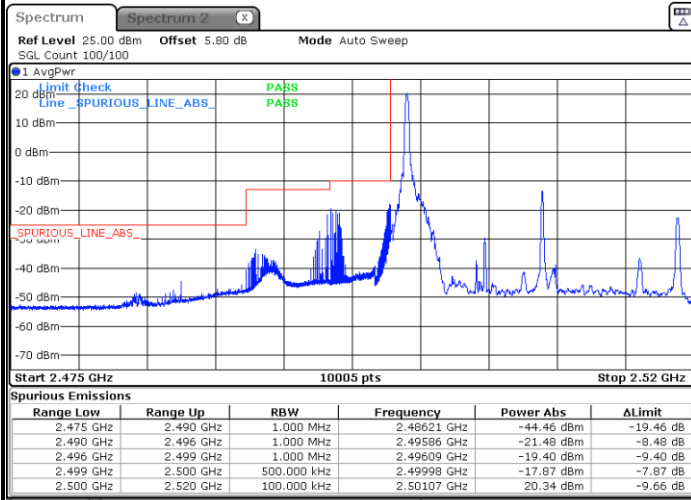


Date: 18.AUG.2022 19:12:53

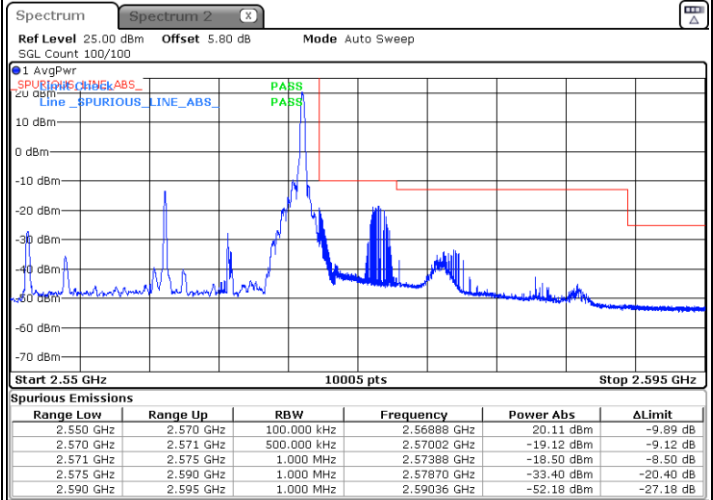


LTE Band 7 / 20MHz / 16QAM

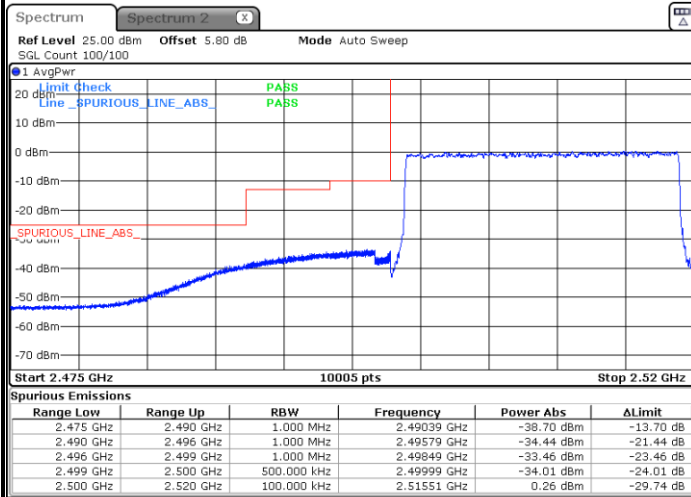
Lowest Band Edge / 1 RB



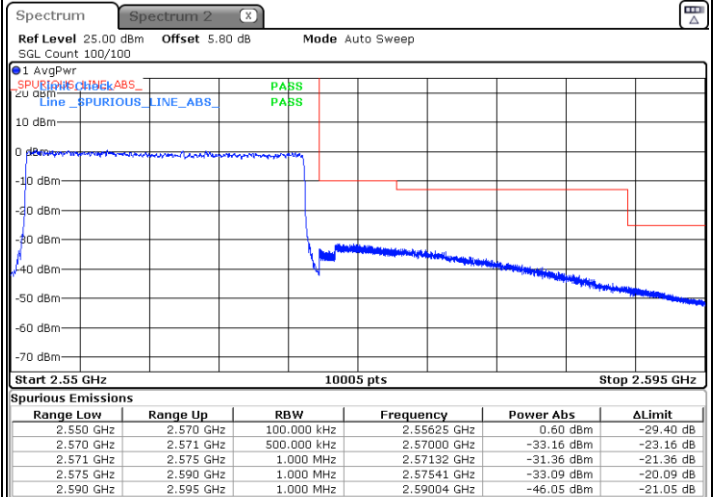
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB





Highest Band Edge / 1 RB



Highest Band Edge / Full RB





Lowest Channel / QPSK



Date: 18.AUG.2022 18:26:01

Date: 18.AUG.2022 18:27:21