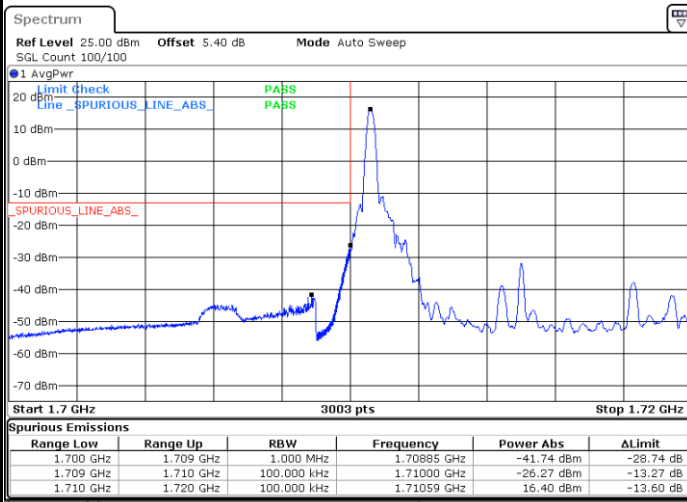




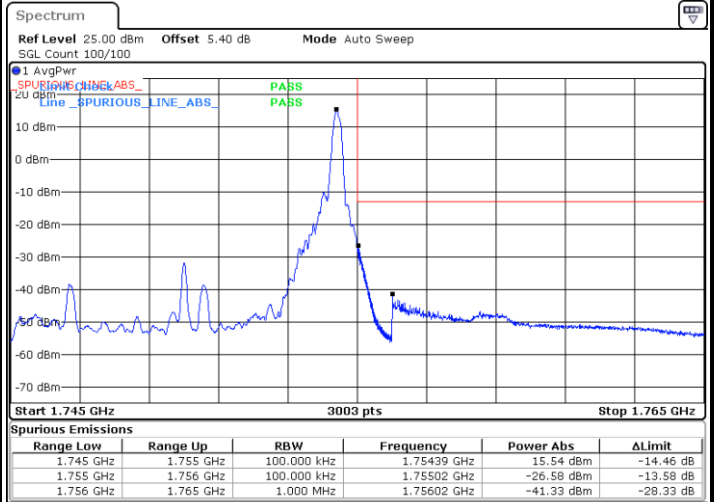
LTE Band 4 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



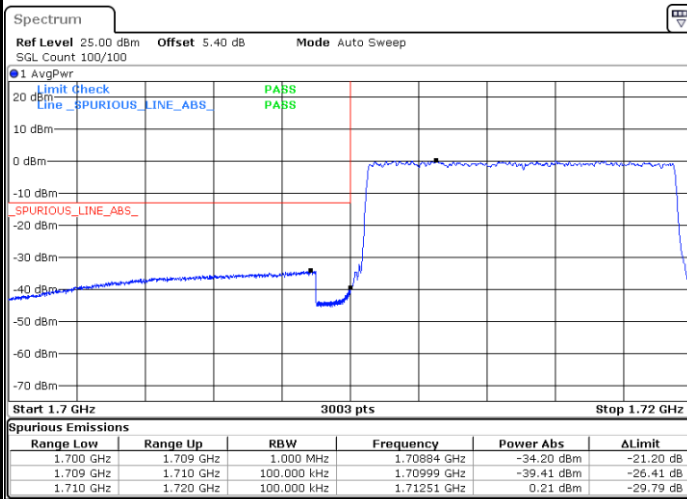
Date: 22.MAR.2022 11:01:44

Highest Band Edge / 1 RB



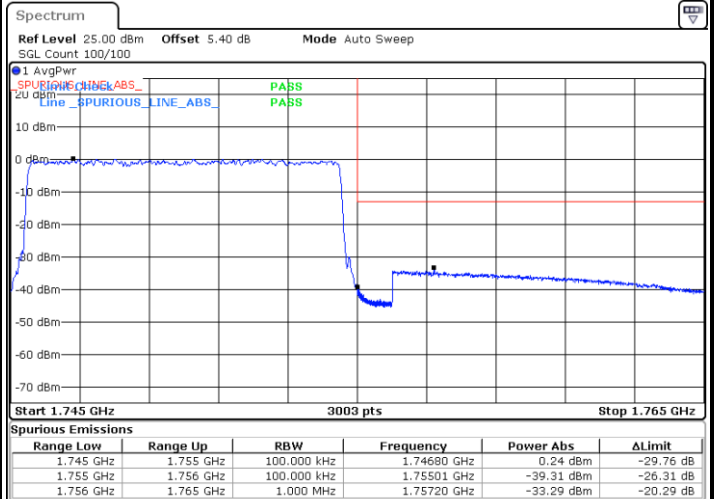
Date: 22.MAR.2022 11:18:25

Lowest Band Edge / Full RB



Date: 22.MAR.2022 11:04:56

Highest Band Edge / Full RB

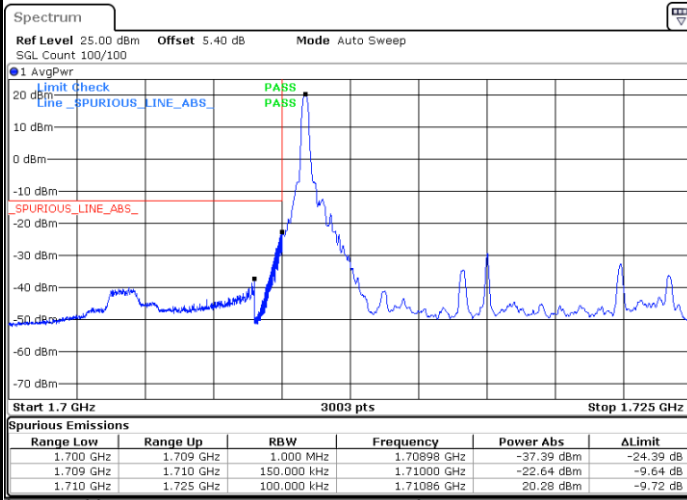


Date: 22.MAR.2022 11:50:52



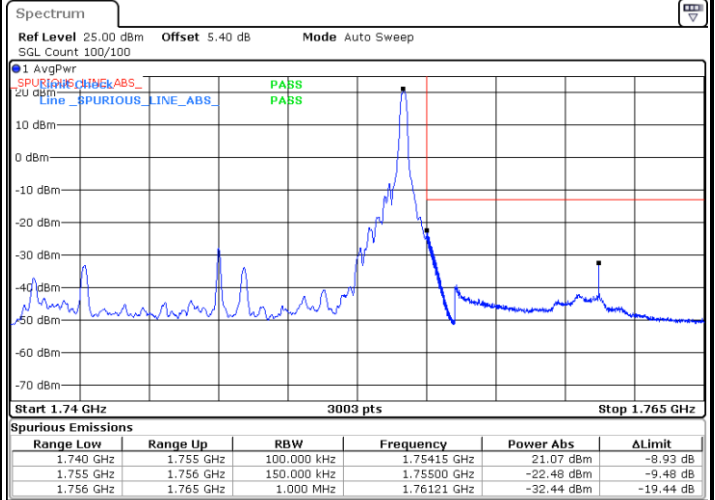
LTE Band 4 / 15MHz / QPSK

Lowest Band Edge / 1 RB



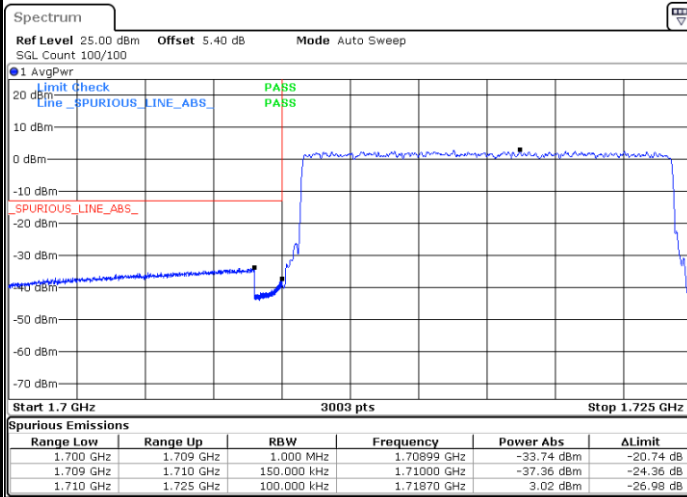
Date: 22.MAR.2022 11:27:12

Highest Band Edge / 1 RB



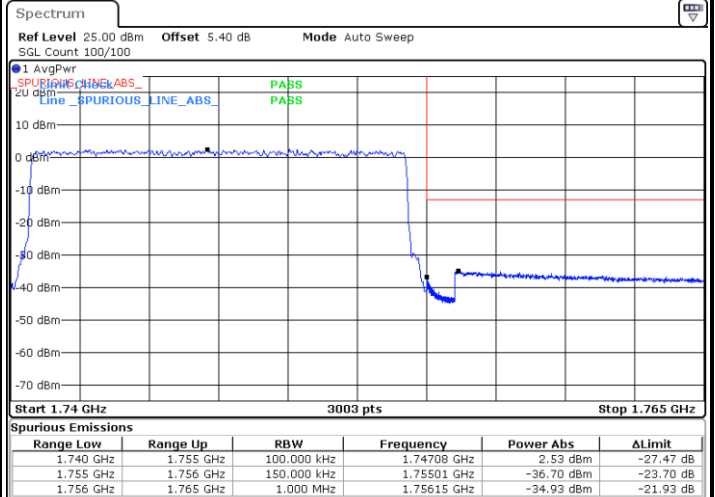
Date: 22.MAR.2022 11:54:24

Lowest Band Edge / Full RB



Date: 22.MAR.2022 11:37:08

Highest Band Edge / Full RB

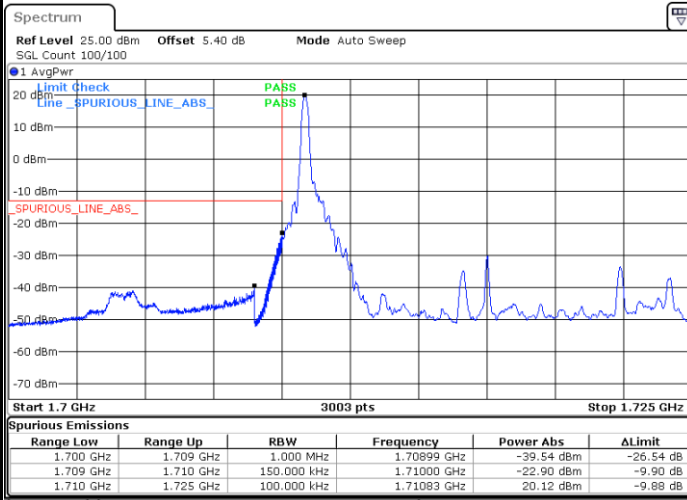


Date: 22.MAR.2022 12:06:02



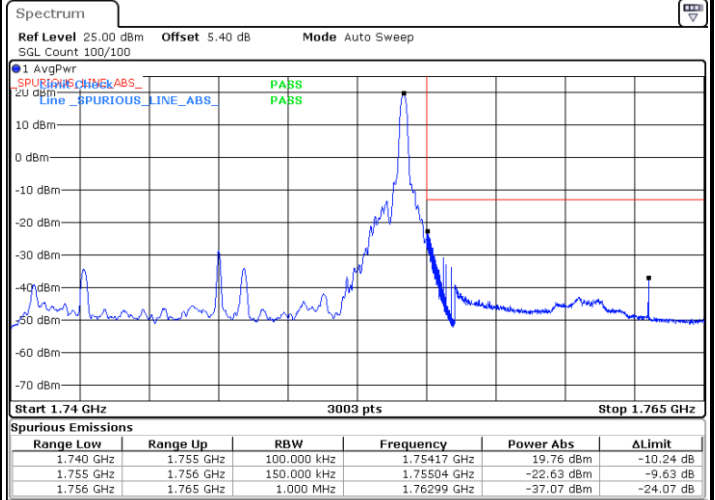
LTE Band 4 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



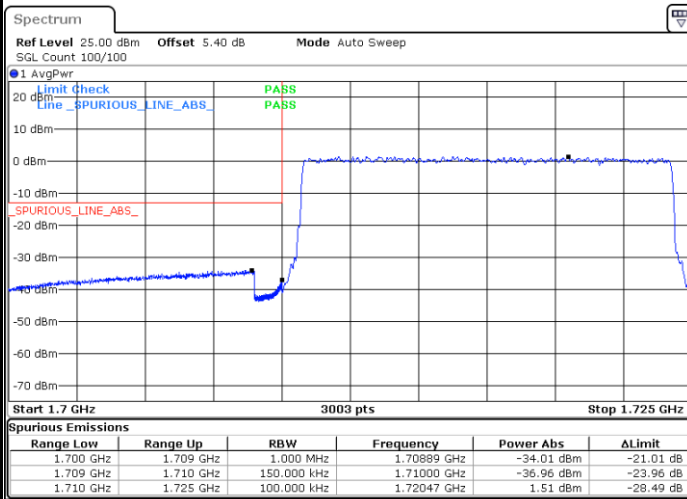
Date: 22.MAR.2022 11:28:37

Highest Band Edge / 1 RB



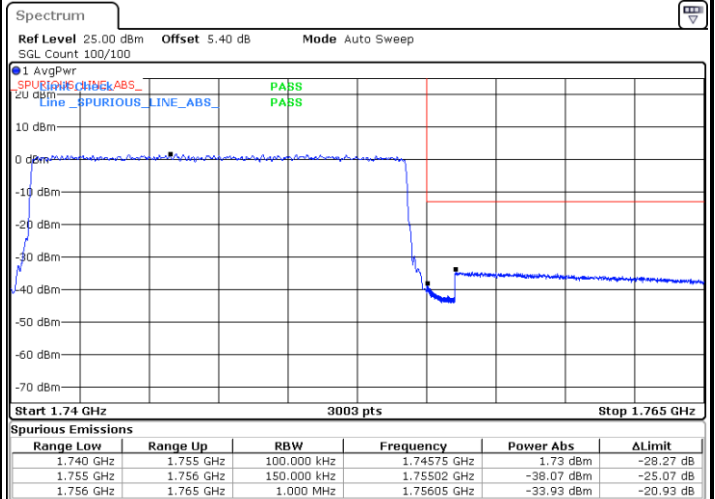
Date: 22.MAR.2022 11:55:48

Lowest Band Edge / Full RB



Date: 22.MAR.2022 11:35:43

Highest Band Edge / Full RB

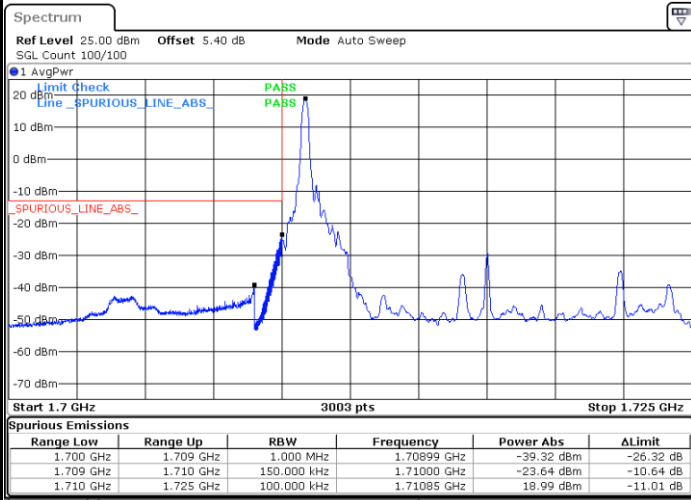


Date: 22.MAR.2022 12:04:38



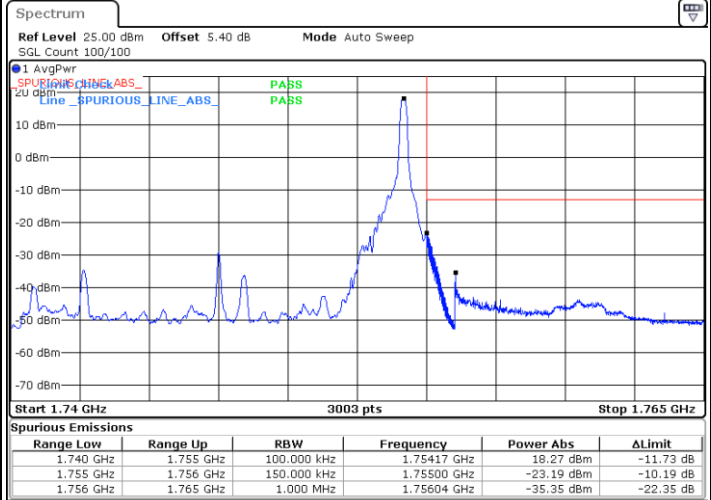
LTE Band 4 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



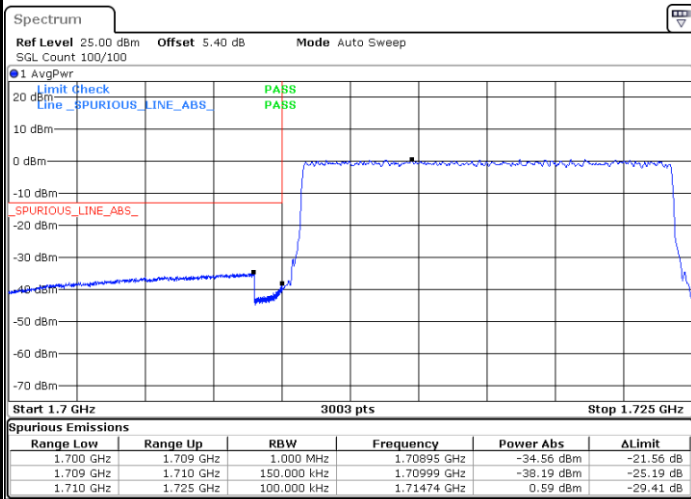
Date: 22.MAR.2022 11:30:02

Highest Band Edge / 1 RB



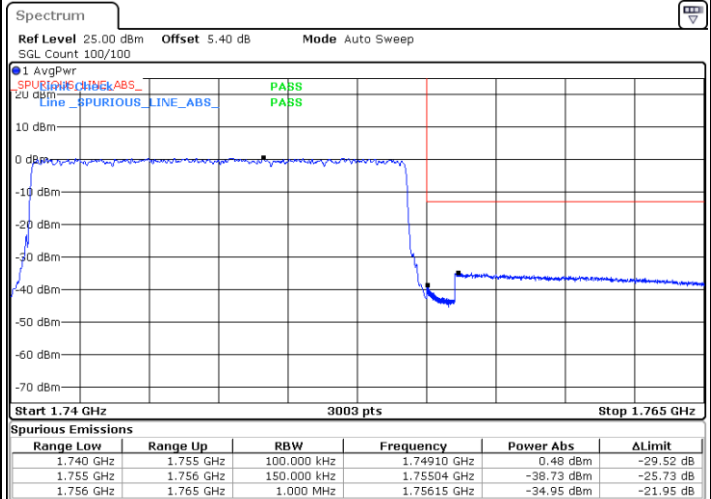
Date: 22.MAR.2022 11:57:13

Lowest Band Edge / Full RB



Date: 22.MAR.2022 11:34:17

Highest Band Edge / Full RB

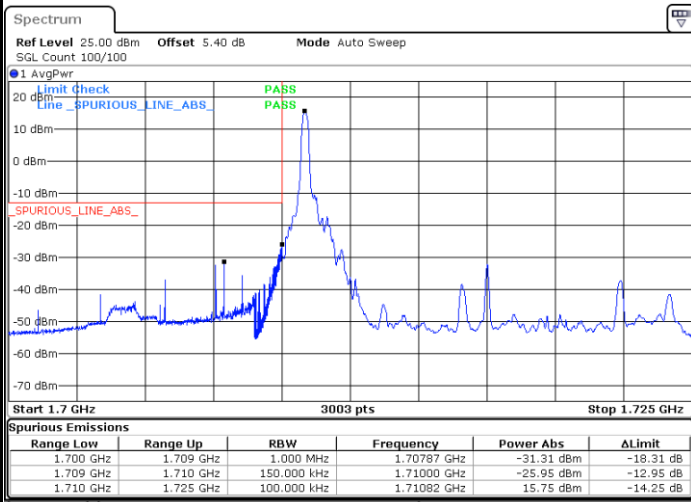


Date: 22.MAR.2022 12:03:14



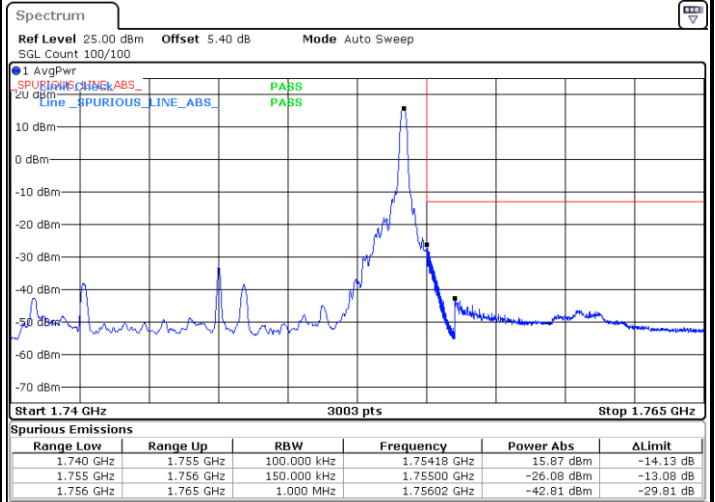
LTE Band 4 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



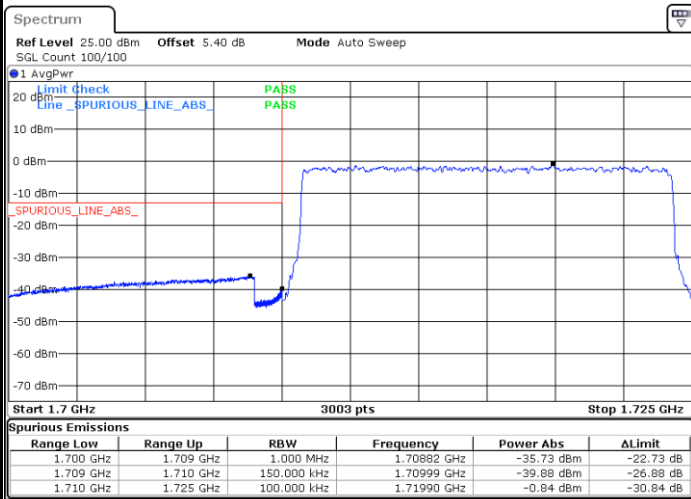
Date: 22.MAR.2022 11:31:27

Highest Band Edge / 1 RB



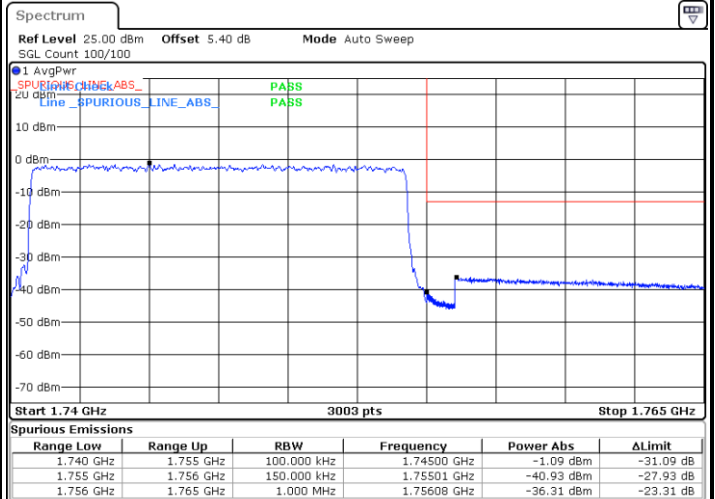
Date: 22.MAR.2022 11:58:38

Lowest Band Edge / Full RB



Date: 22.MAR.2022 11:52:59

Highest Band Edge / Full RB

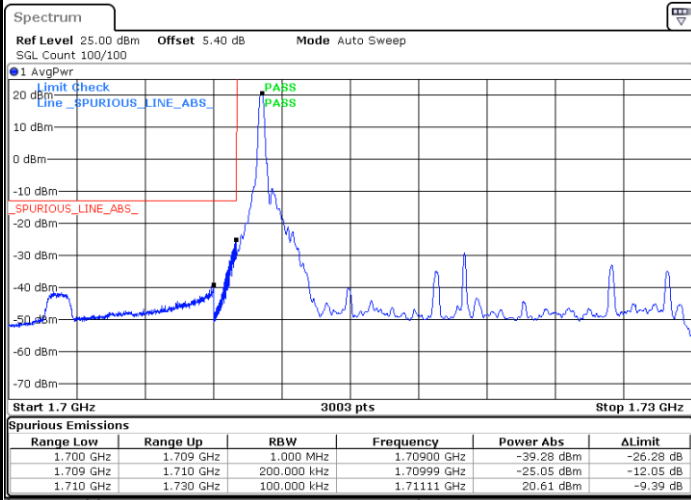


Date: 22.MAR.2022 12:01:50



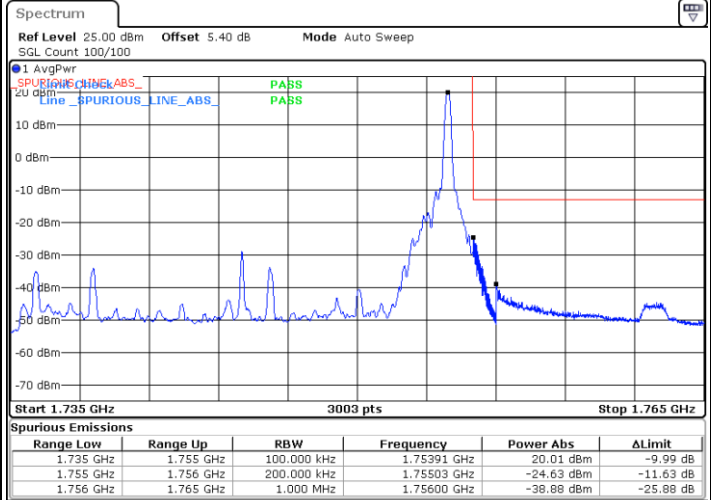
LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / 1 RB



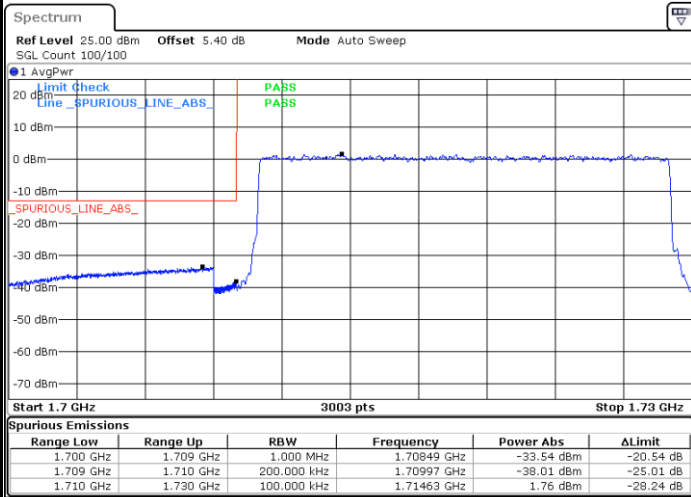
Date: 22.MAR.2022 12:09:03

Highest Band Edge / 1 RB



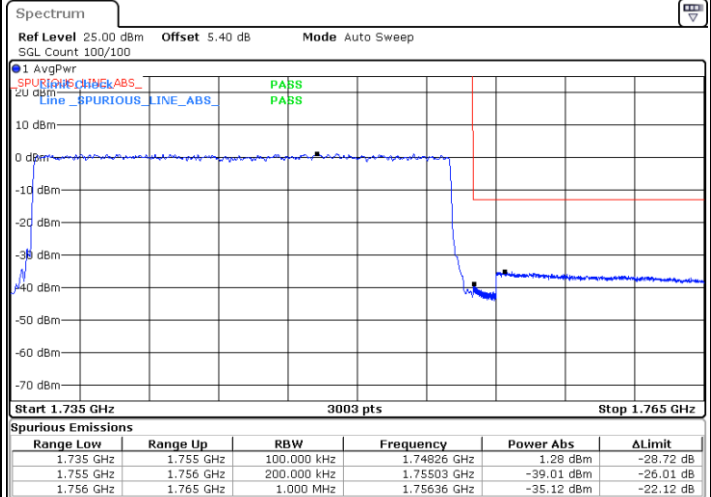
Date: 22.MAR.2022 12:25:38

Lowest Band Edge / Full RB



Date: 22.MAR.2022 12:20:40

Highest Band Edge / Full RB

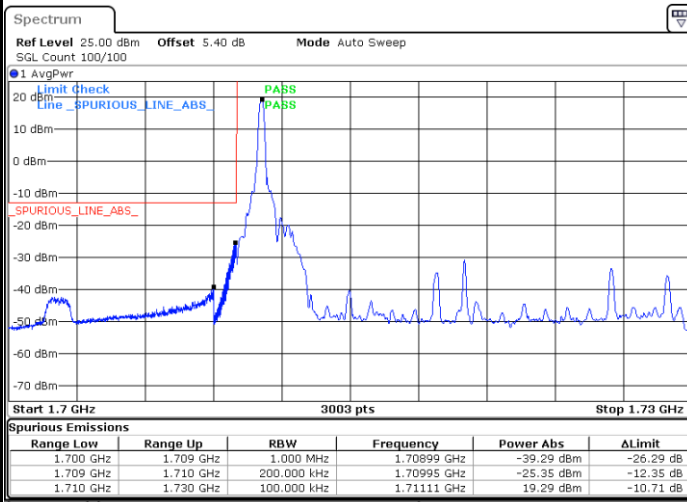


Date: 22.MAR.2022 12:37:18



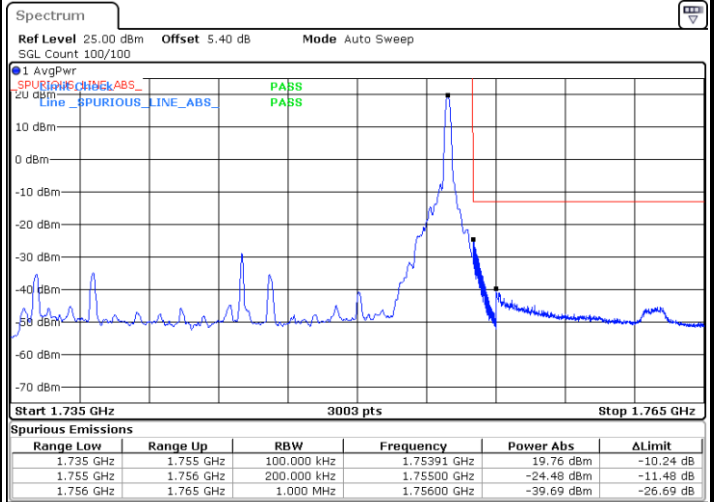
LTE Band 4 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



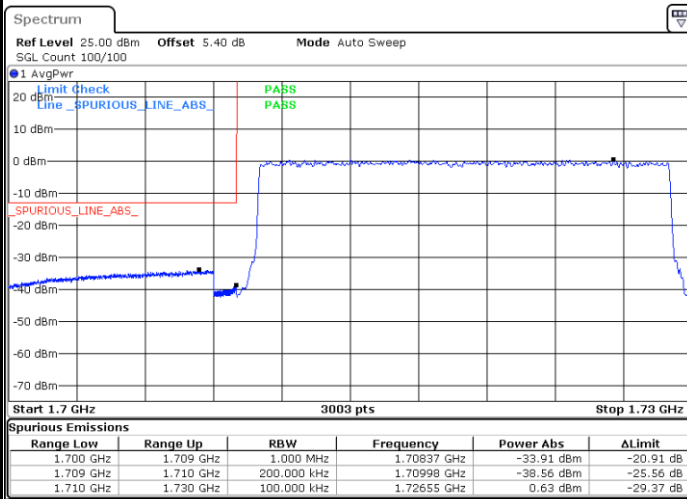
Date: 22.MAR.2022 12:10:27

Highest Band Edge / 1 RB



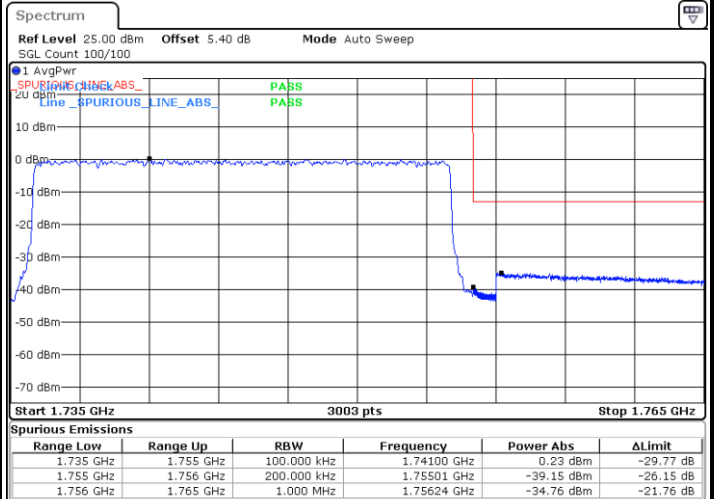
Date: 22.MAR.2022 12:27:02

Lowest Band Edge / Full RB



Date: 22.MAR.2022 12:19:16

Highest Band Edge / Full RB

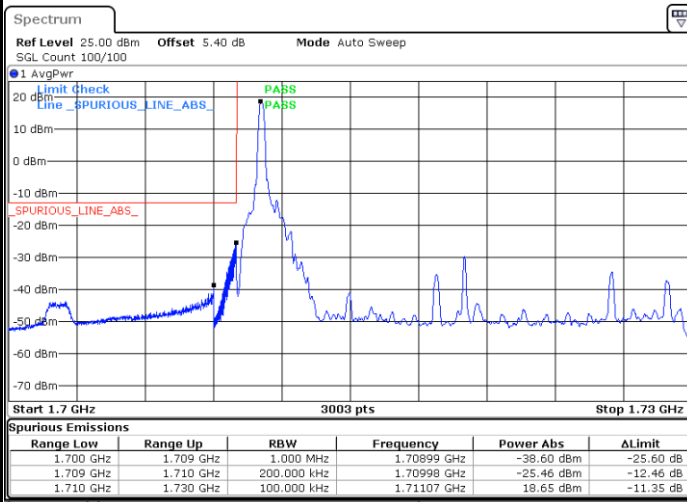


Date: 22.MAR.2022 12:35:53



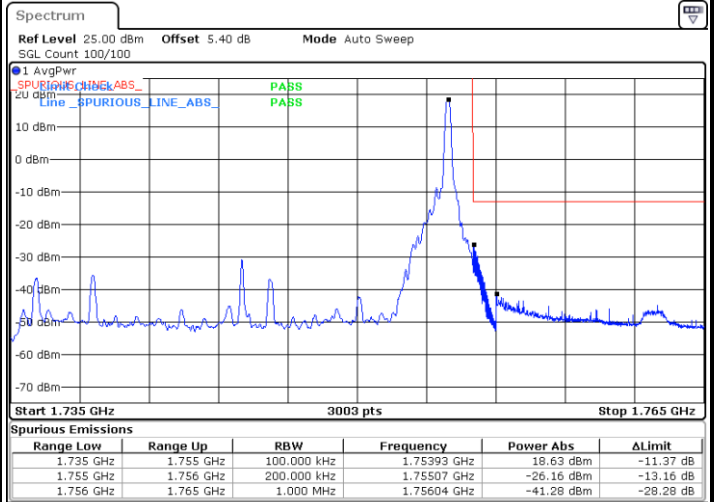
LTE Band 4 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



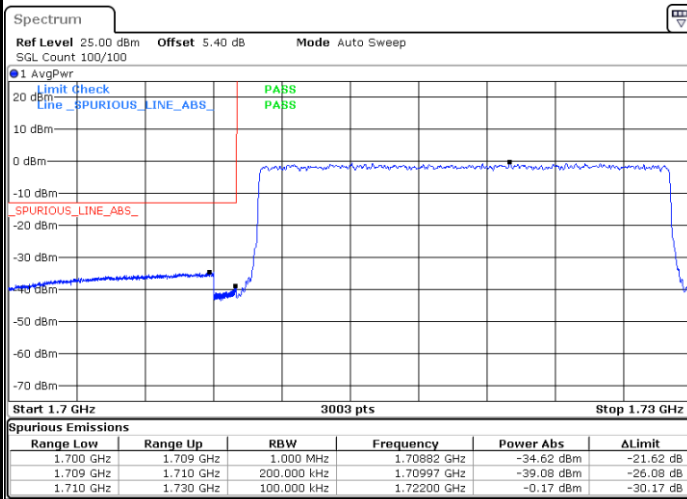
Date: 22.MAR.2022 12:11:52

Highest Band Edge / 1 RB



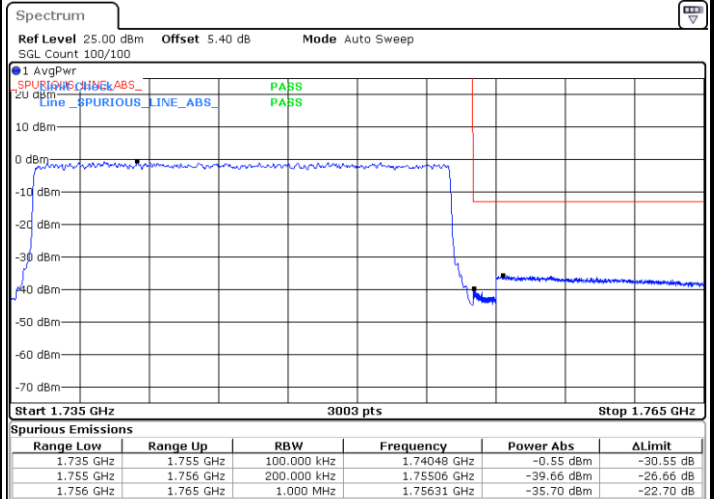
Date: 22.MAR.2022 12:28:27

Lowest Band Edge / Full RB



Date: 22.MAR.2022 12:17:52

Highest Band Edge / Full RB



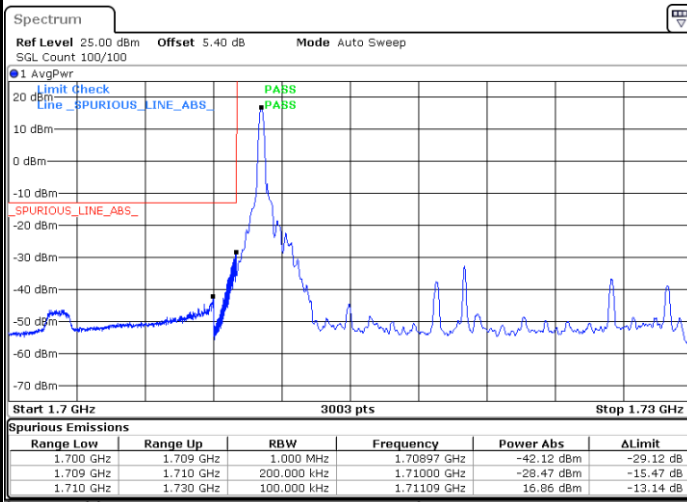
Date: 22.MAR.2022 12:34:28





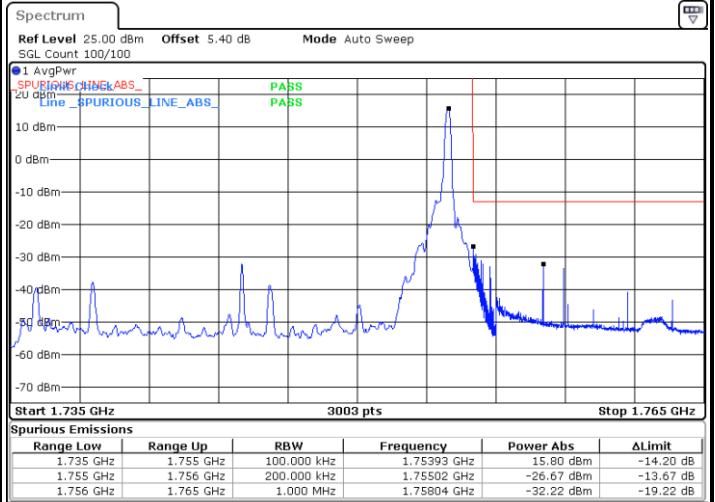
LTE Band 4 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



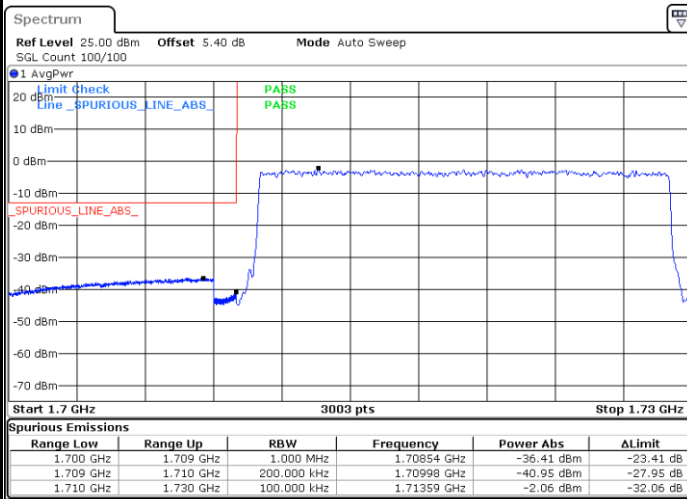
Date: 22.MAR.2022 12:13:17

Highest Band Edge / 1 RB



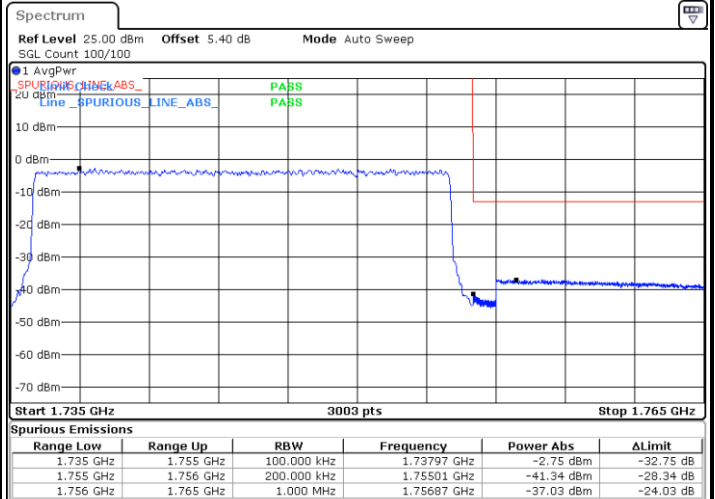
Date: 22.MAR.2022 12:29:52

Lowest Band Edge / Full RB



Date: 22.MAR.2022 12:16:28

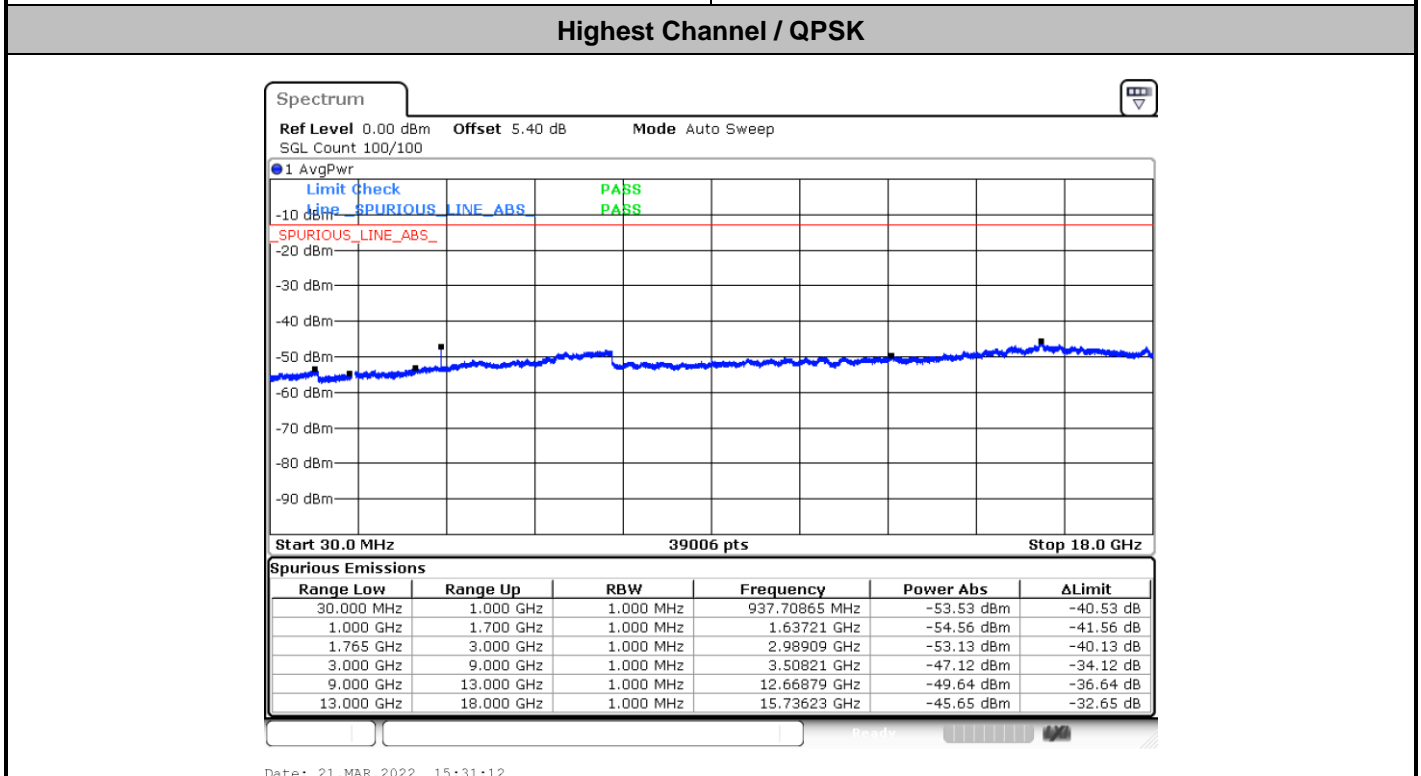
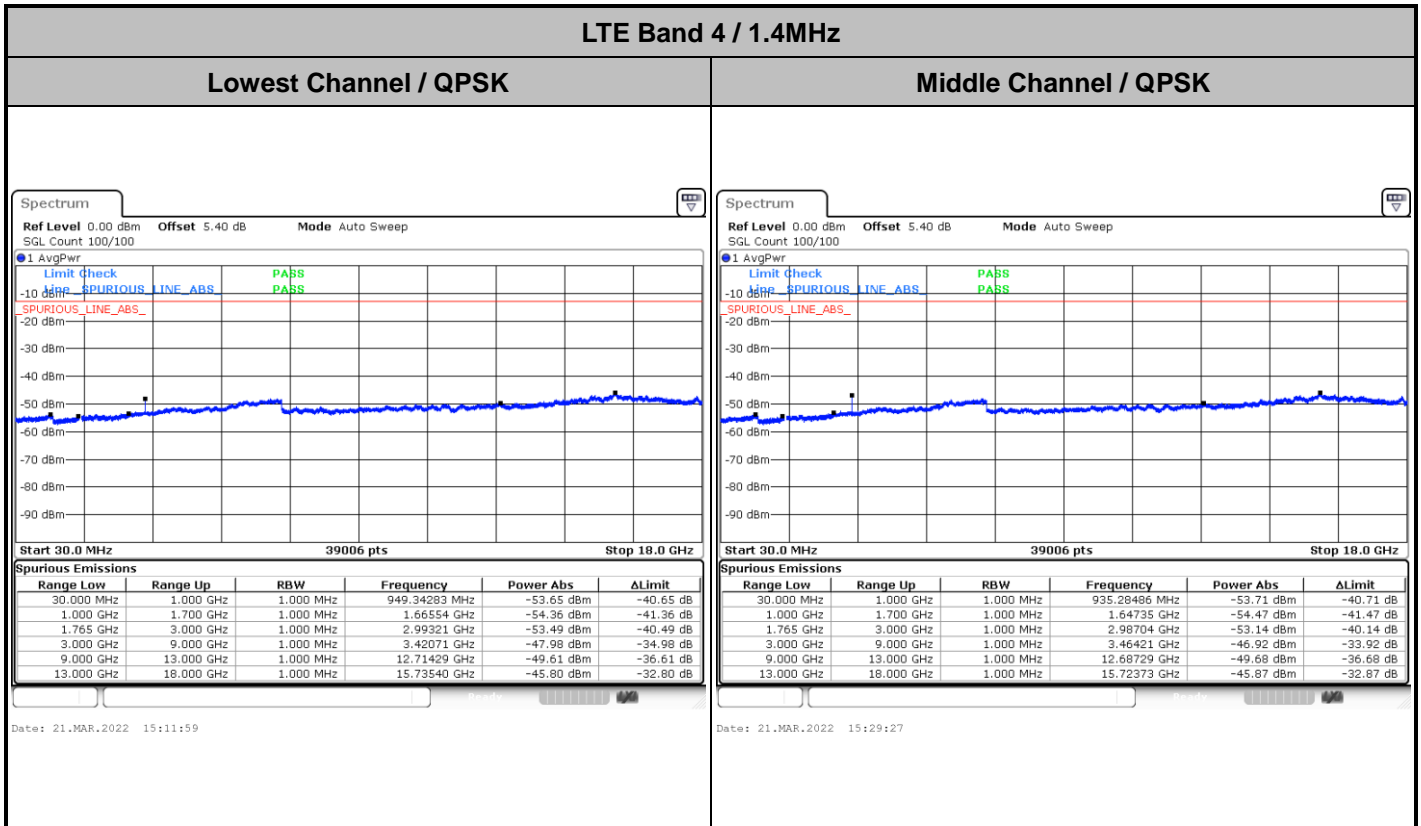
Highest Band Edge / Full RB



Date: 22.MAR.2022 12:33:04



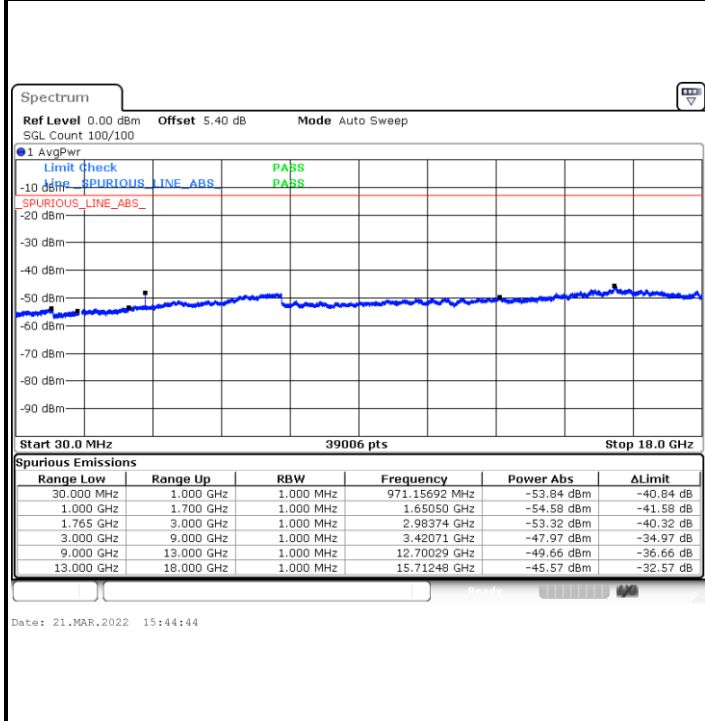
# Conducted Spurious Emission



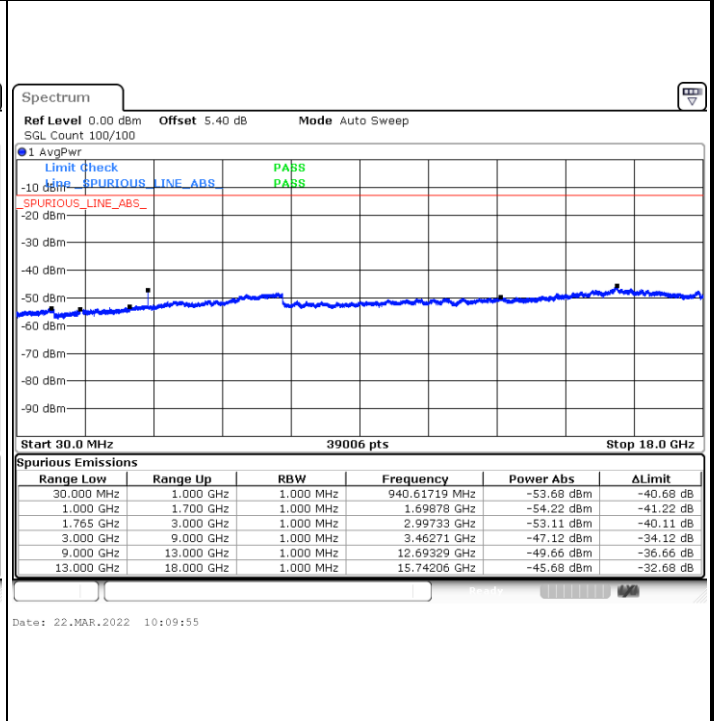


**LTE Band 4 / 3MHz**

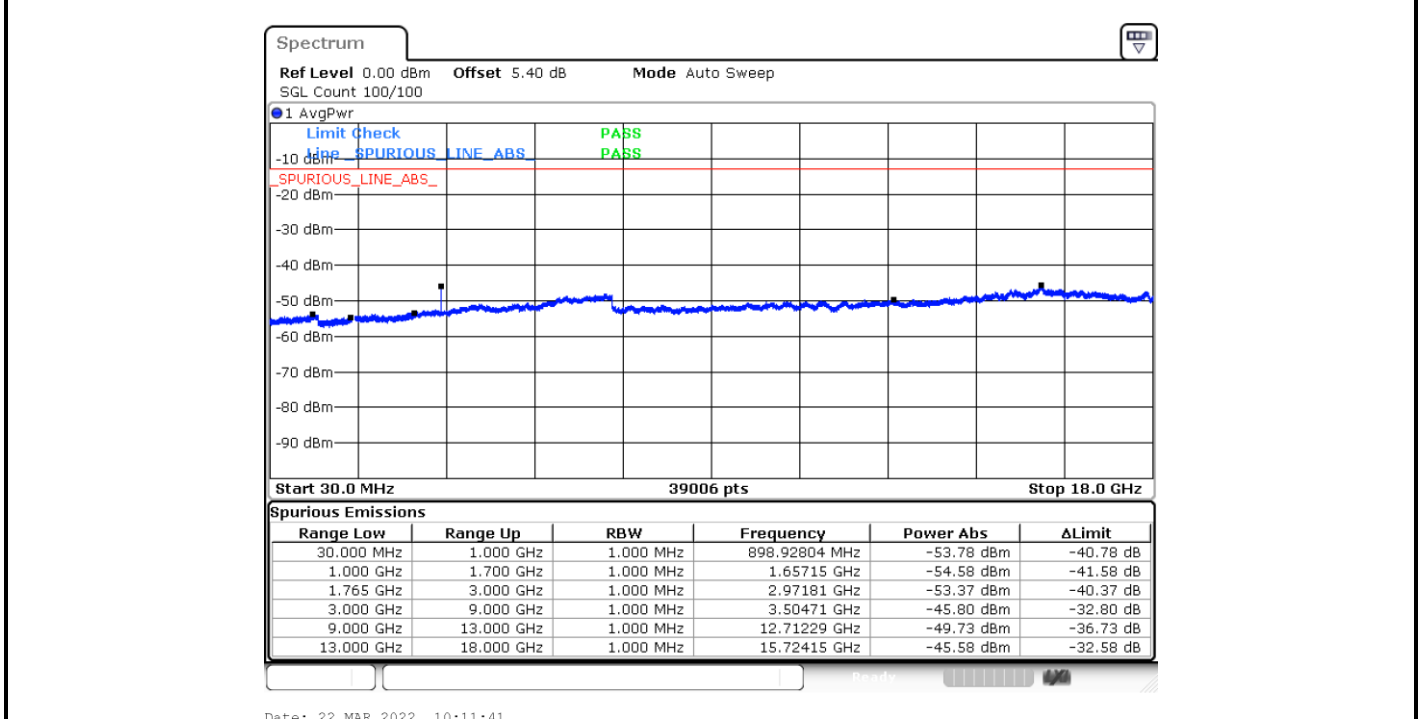
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



**Highest Channel / QPSK**

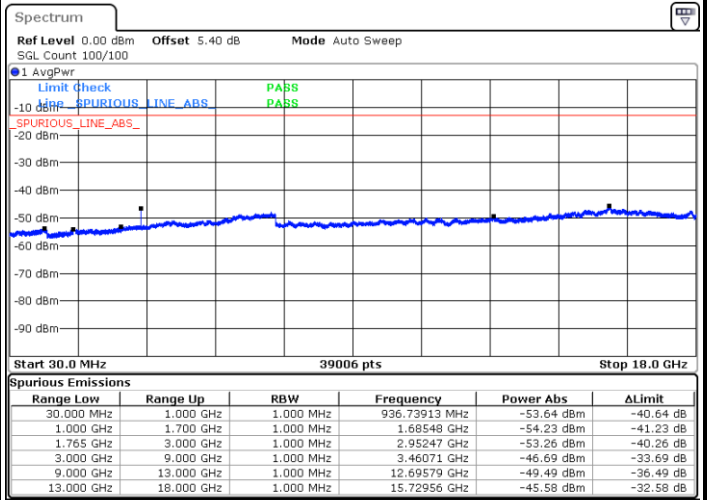
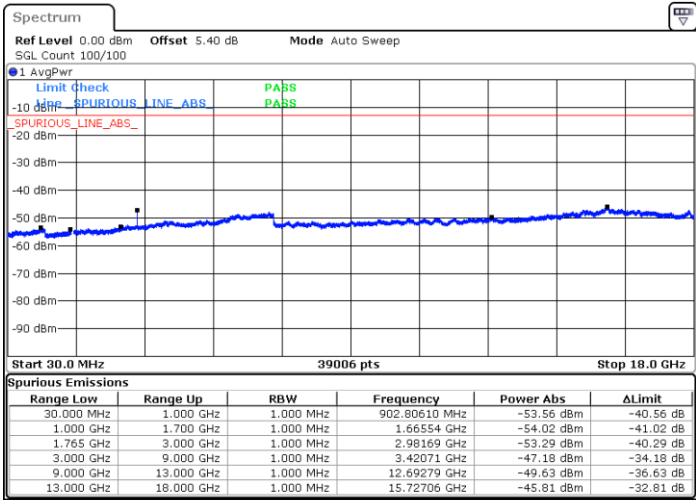




LTE Band 4 / 5MHz

Lowest Channel / QPSK

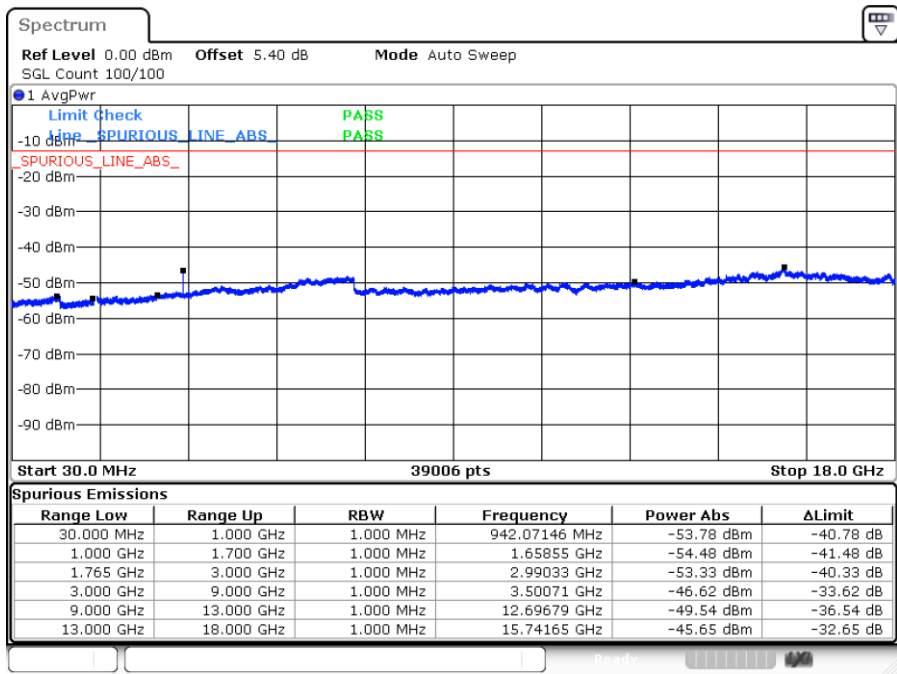
Middle Channel / QPSK



Date: 22.MAR.2022 10:24:56

Date: 22.MAR.2022 10:39:37

Highest Channel / QPSK



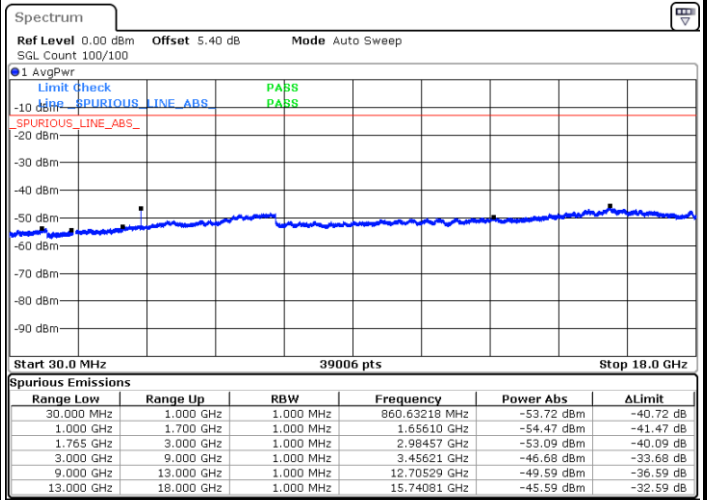
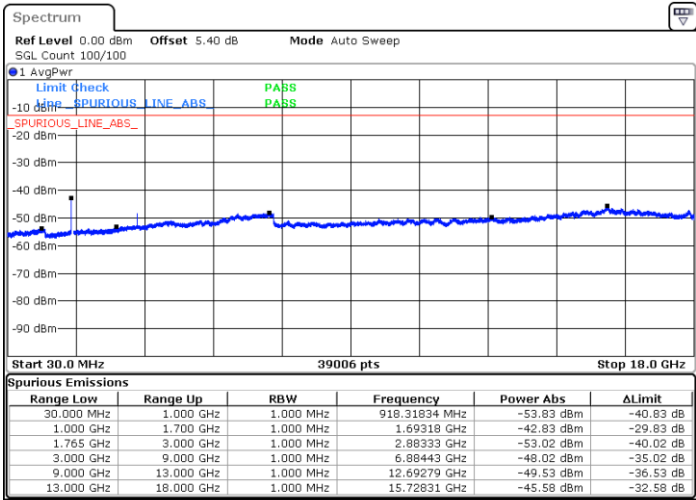
Date: 22.MAR.2022 10:41:23



LTE Band 4 / 10MHz

Lowest Channel / QPSK

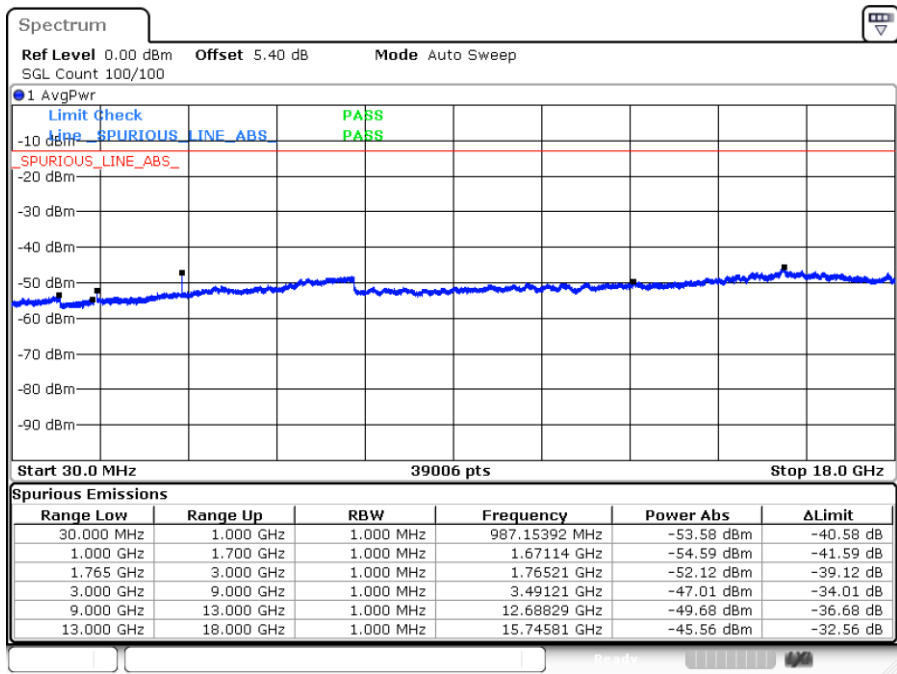
Middle Channel / QPSK



Date: 22.MAR.2022 10:56:16

Date: 22.MAR.2022 11:10:58

Highest Channel / QPSK



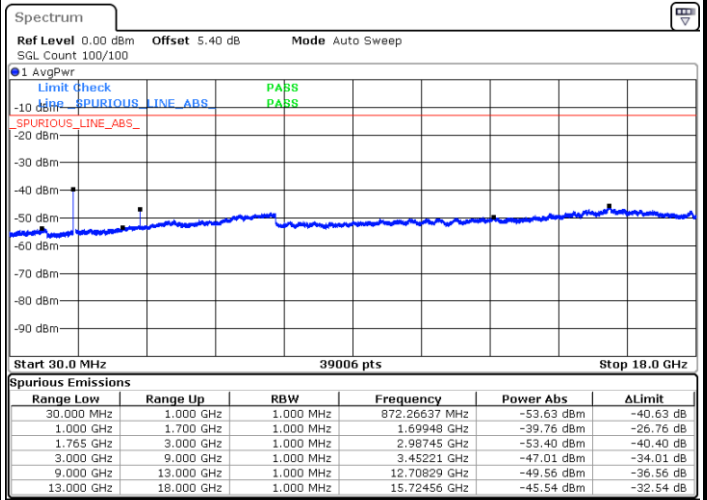
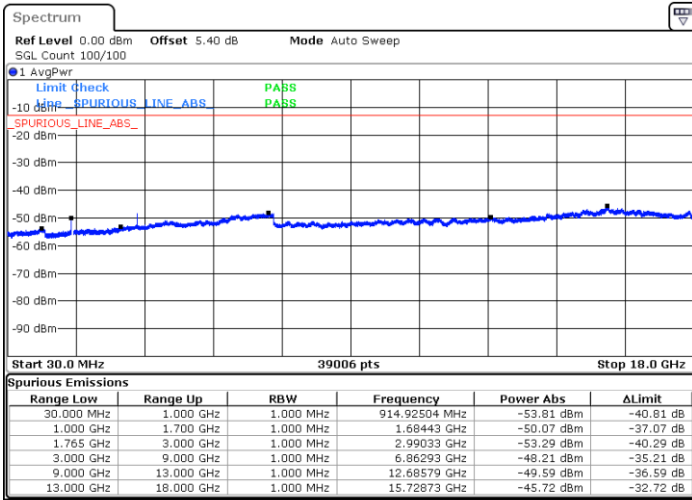
Date: 22.MAR.2022 11:12:45



LTE Band 4 / 15MHz

Lowest Channel / QPSK

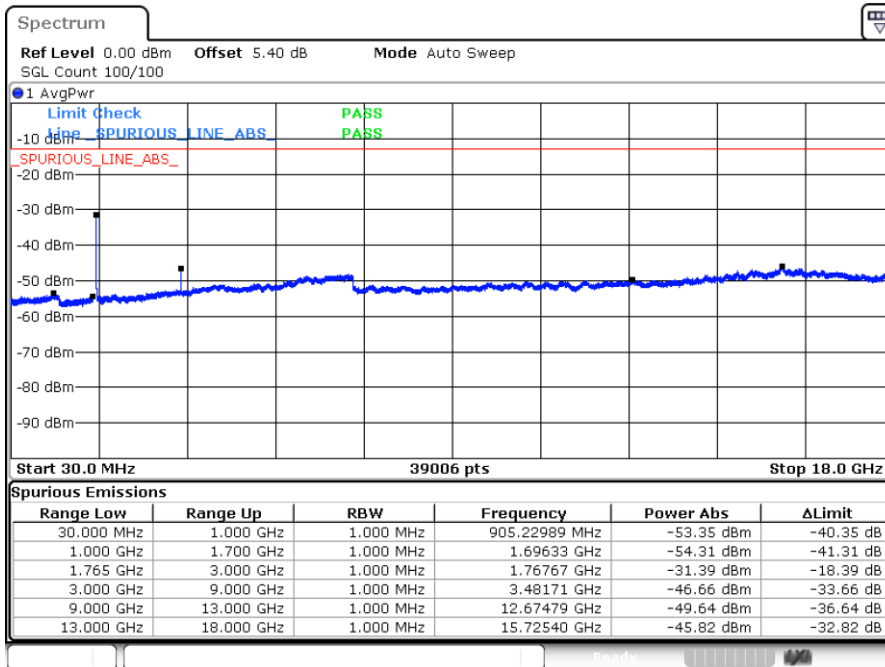
Middle Channel / QPSK



Date: 22.MAR.2022 11:25:58

Date: 22.MAR.2022 11:38:54

Highest Channel / QPSK



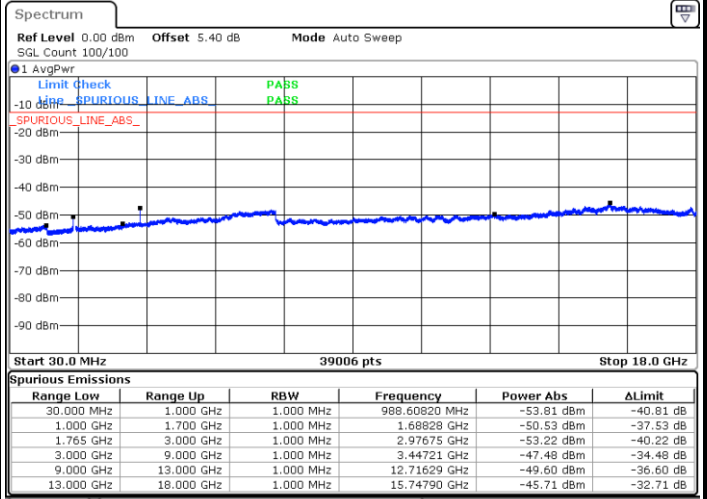
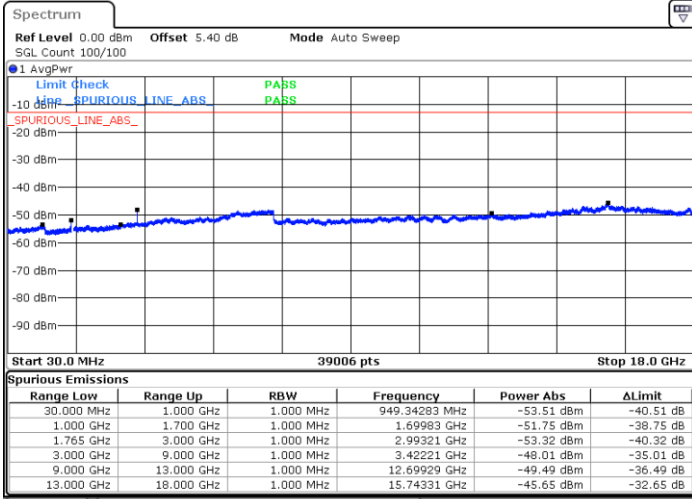
Date: 22.MAR.2022 11:40:41



LTE Band 4 / 20MHz

Lowest Channel / QPSK

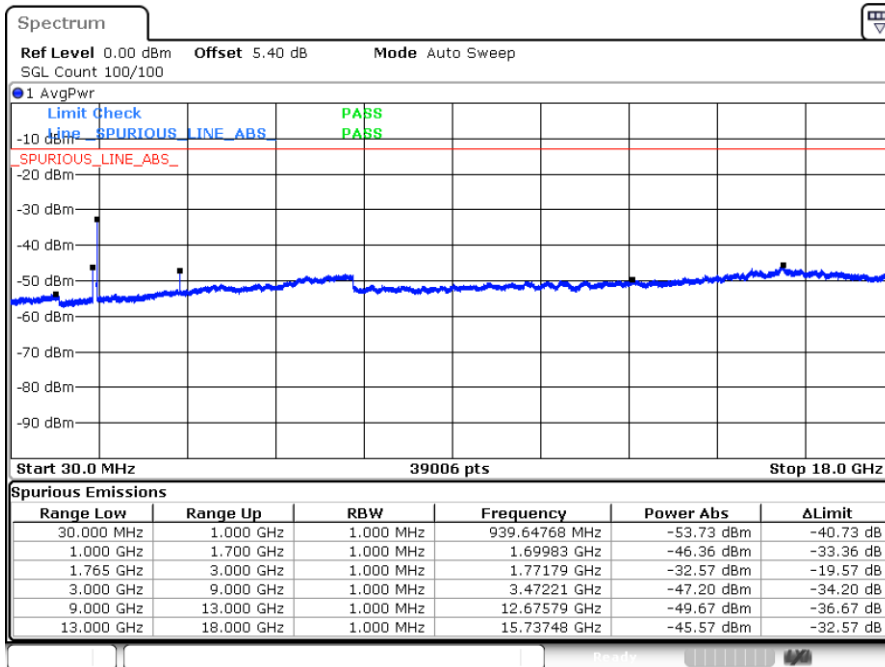
Middle Channel / QPSK



Date: 22.MAR.2022 12:07:49

Date: 22.MAR.2022 12:22:26

Highest Channel / QPSK



Date: 22.MAR.2022 12:24:13



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	0.0035	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0020	
0	Normal Voltage	0.0028	
-10	Normal Voltage	0.0025	
-20	Normal Voltage	0.0038	
-30	Normal Voltage	0.0031	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0012	
20	Battery End Point	0.0018	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

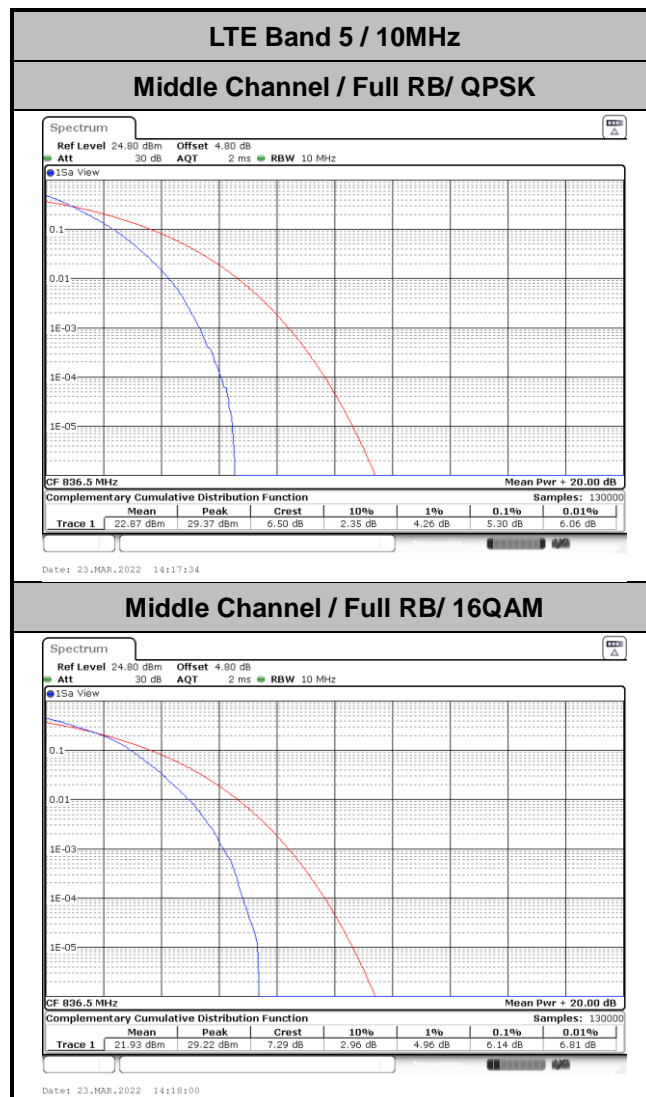


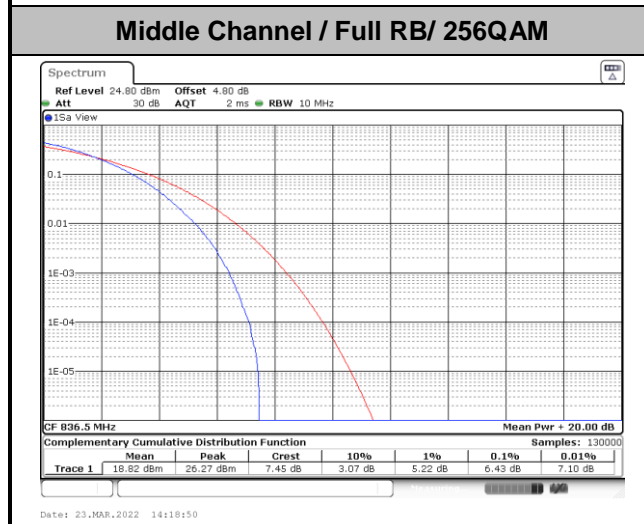
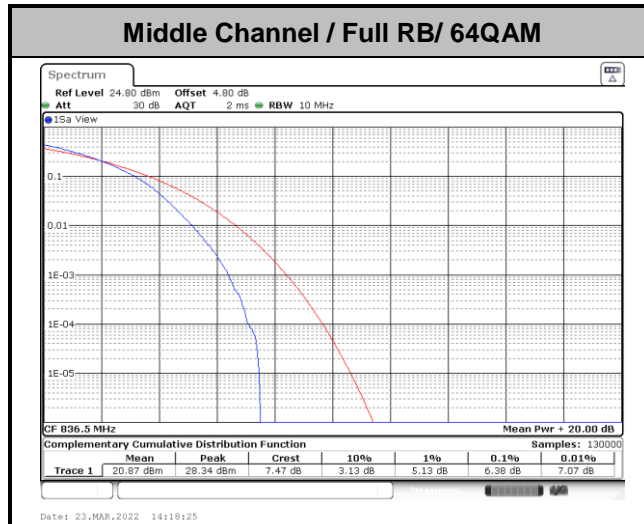


# LTE Band 5

## Peak-to-Average Ratio

Mode	LTE Band 5 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.30	6.14	6.38	6.43	PASS

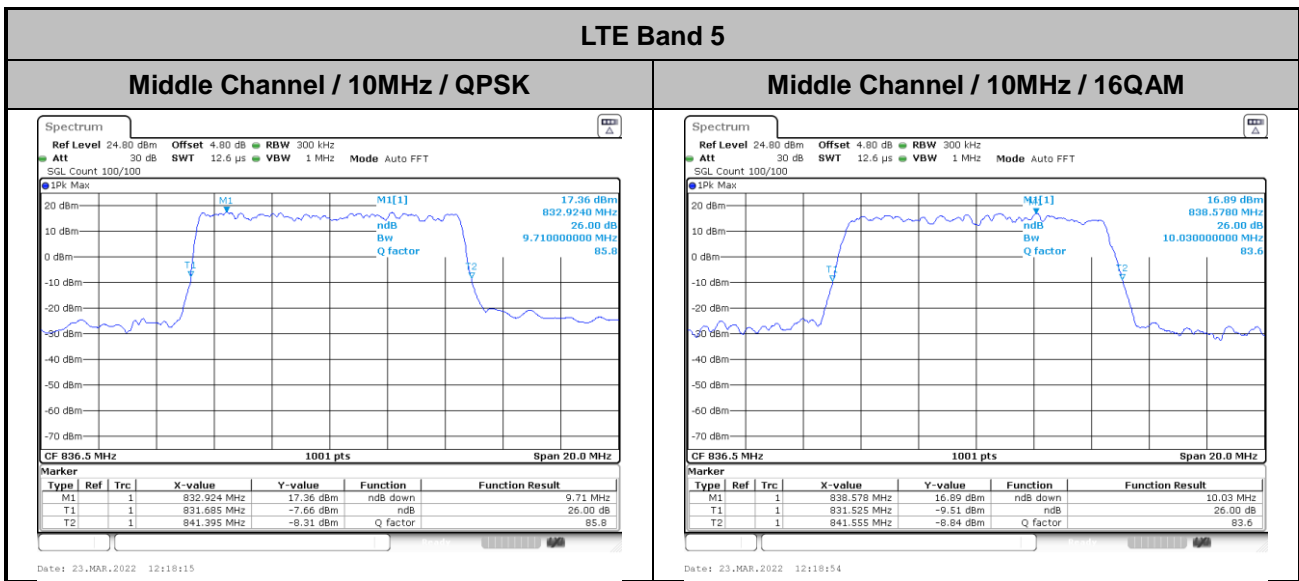






**26dB Bandwidth**

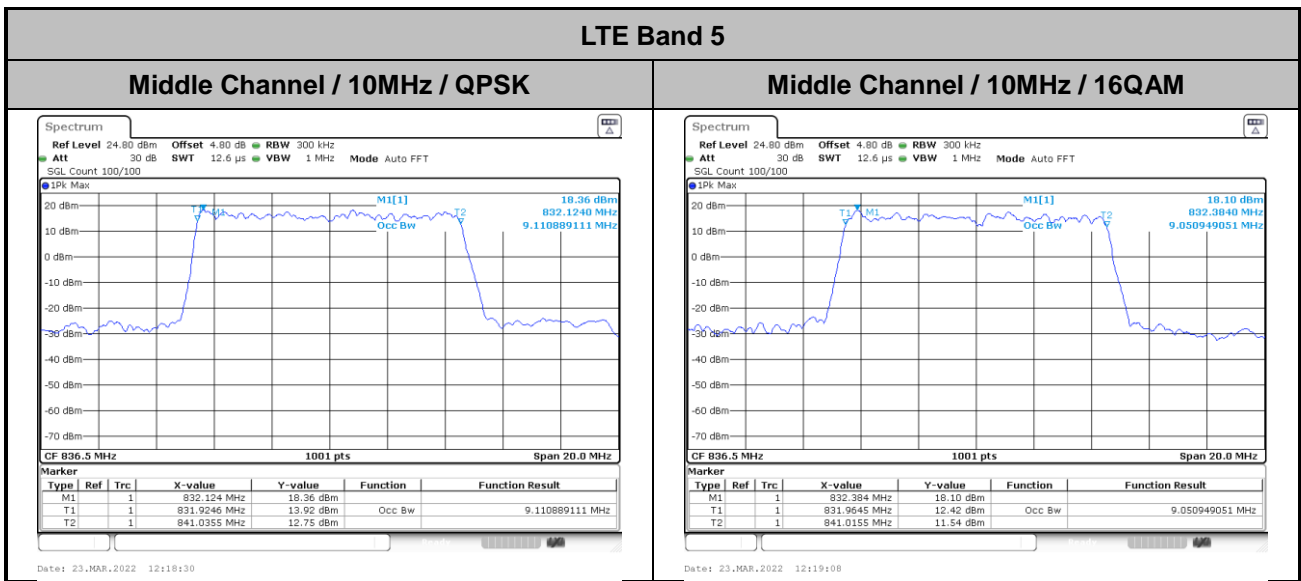
Mode	LTE Band 5 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.71	10.03





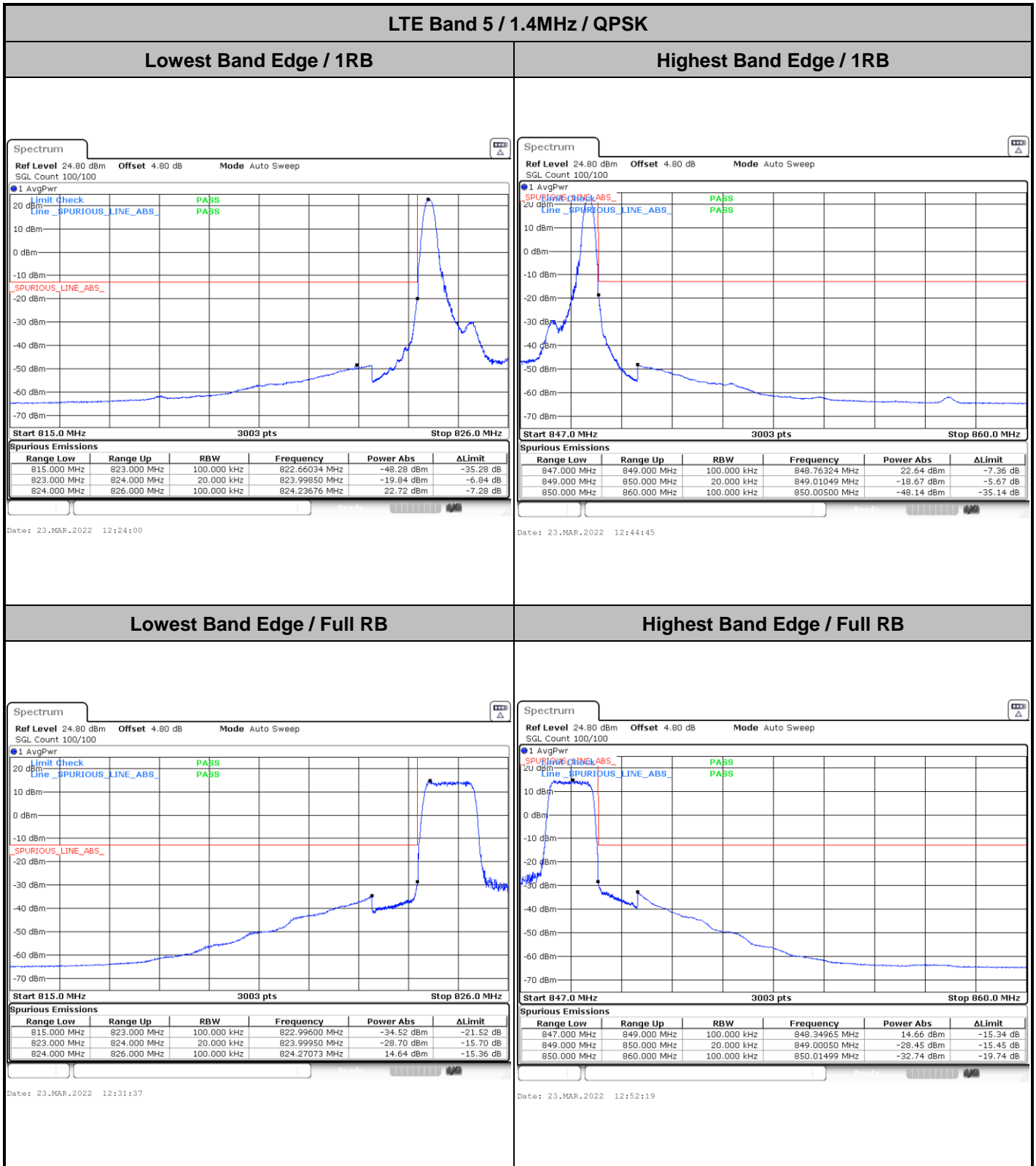
## Occupied Bandwidth

<b>Mode</b>	<b>LTE Band 5 : 99%OBW(MHz)</b>	
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	9.11	9.05





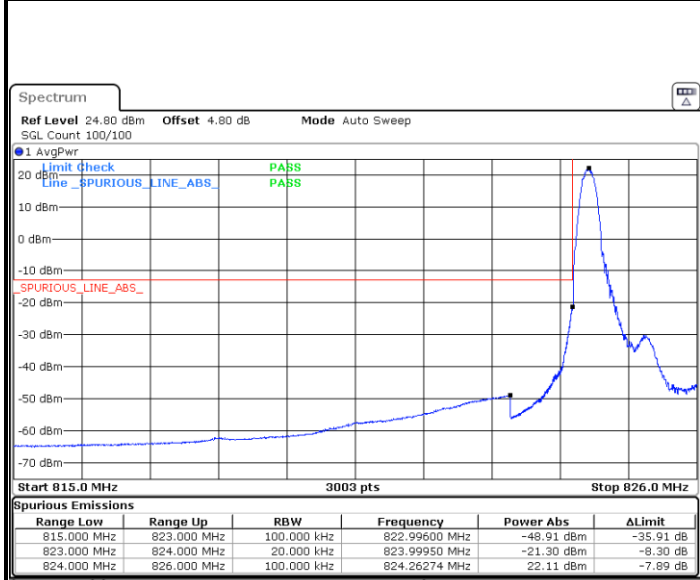
# Conducted Band Edge





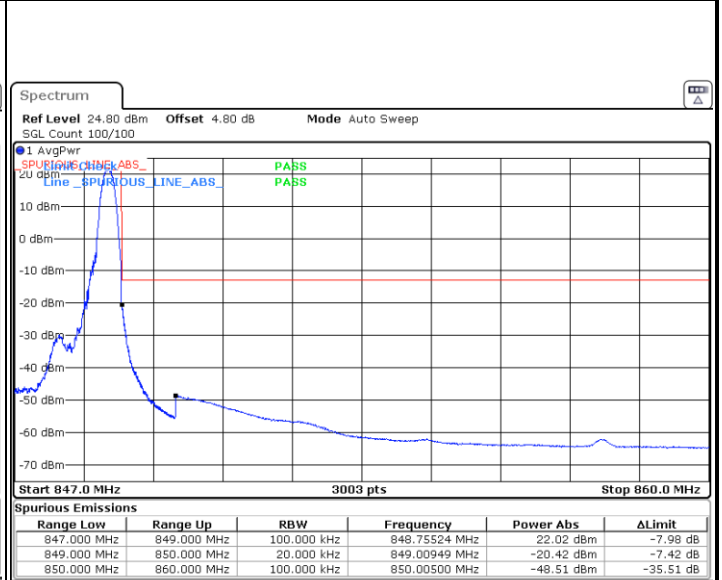
**LTE Band 5 / 1.4MHz / 16QAM**

**Lowest Band Edge / 1 RB**



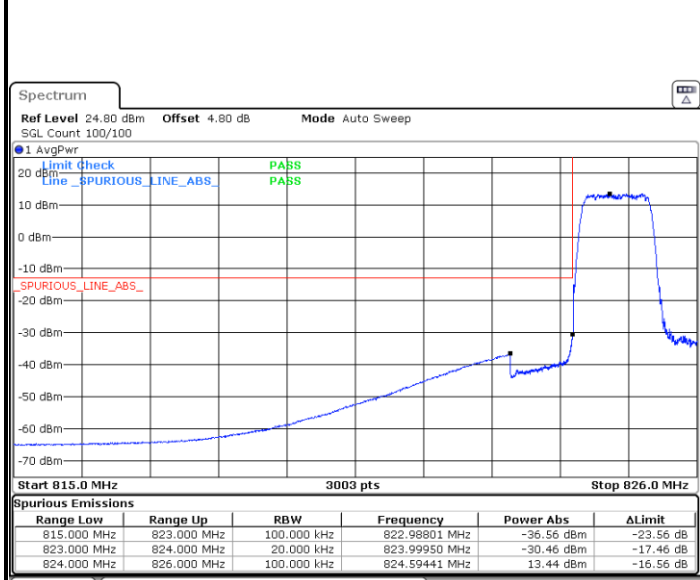
Date: 23.MAR.2022 12:25:56

**Highest Band Edge / 1 RB**



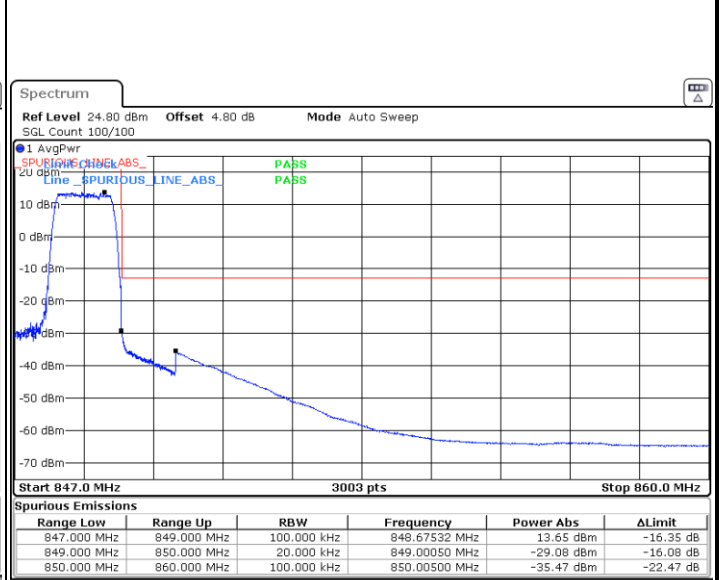
Date: 23.MAR.2022 12:46:39

**Lowest Band Edge / Full RB**



Date: 23.MAR.2022 12:33:31

**Highest Band Edge / Full RB**

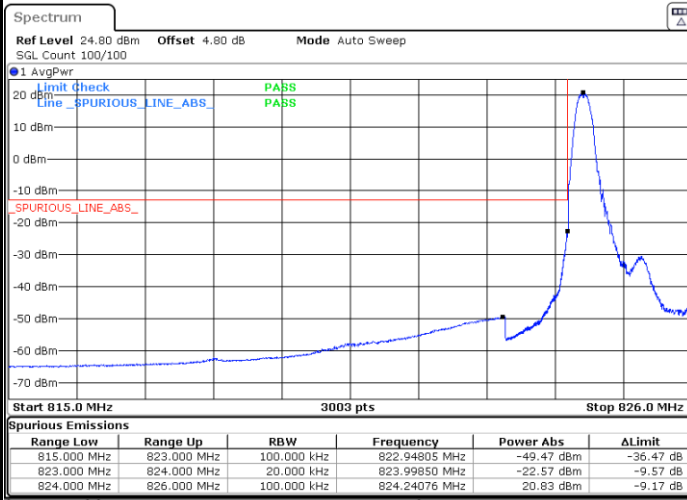


Date: 23.MAR.2022 12:54:13



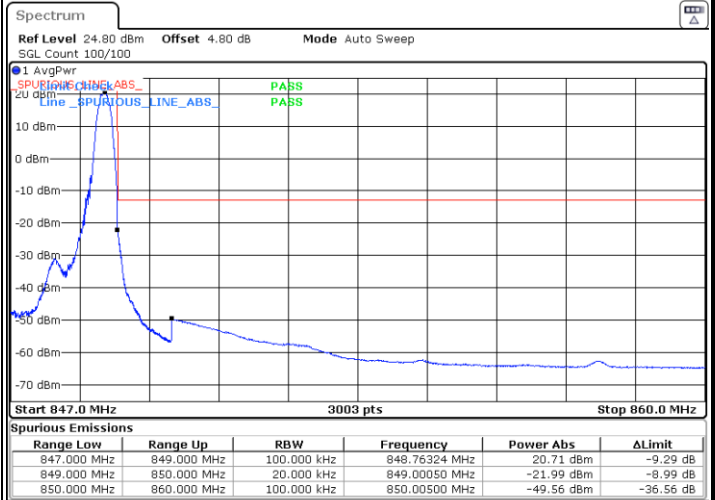
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



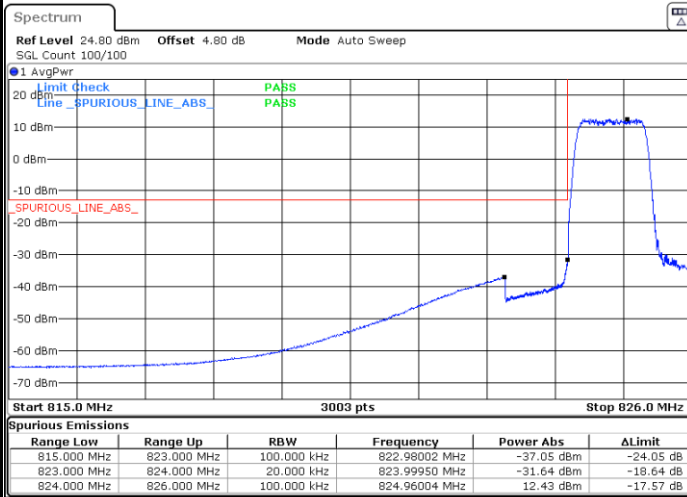
Date: 23.MAR.2022 12:27:50

Highest Band Edge / 1 RB



Date: 23.MAR.2022 12:48:33

Lowest Band Edge / Full RB



Date: 23.MAR.2022 12:35:24

Highest Band Edge / Full RB

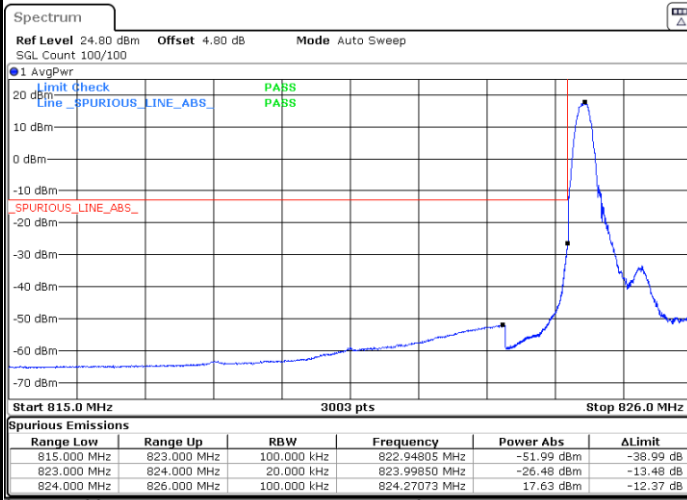


Date: 23.MAR.2022 12:56:06



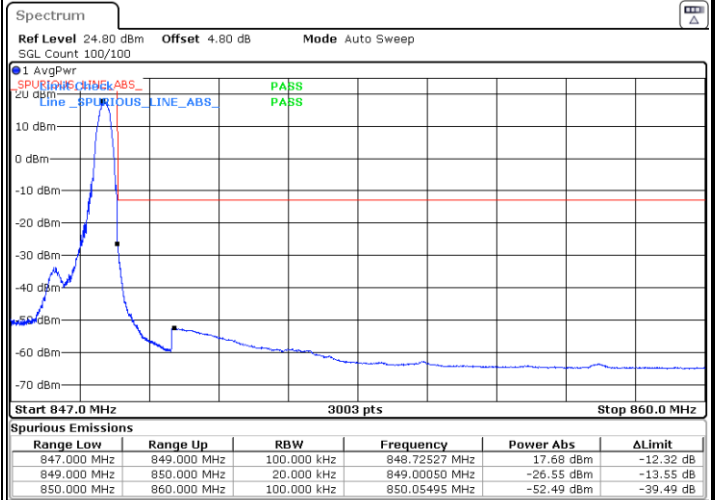
LTE Band 5 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



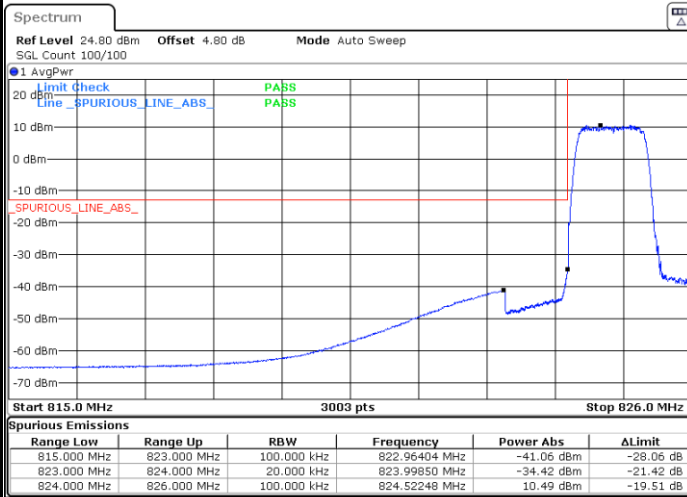
Date: 23.MAR.2022 12:29:44

Highest Band Edge / 1 RB



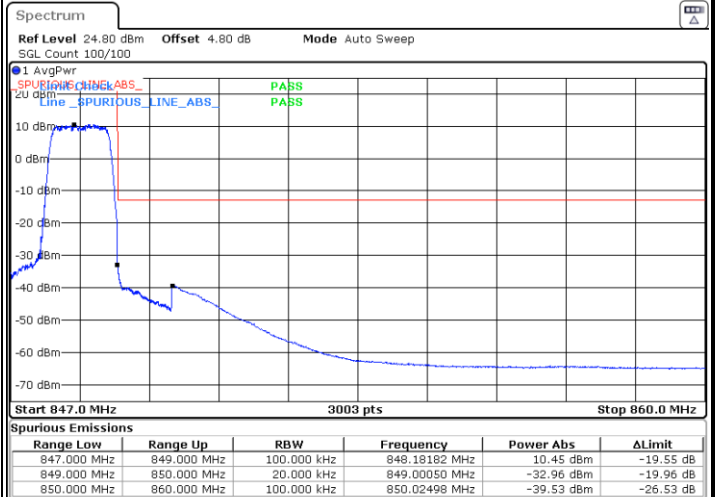
Date: 23.MAR.2022 12:50:26

Lowest Band Edge / Full RB



Date: 23.MAR.2022 12:37:18

Highest Band Edge / Full RB



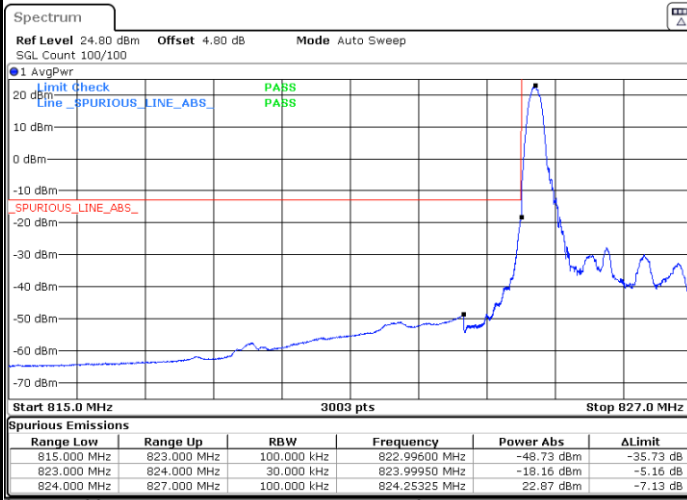
Date: 23.MAR.2022 12:57:59





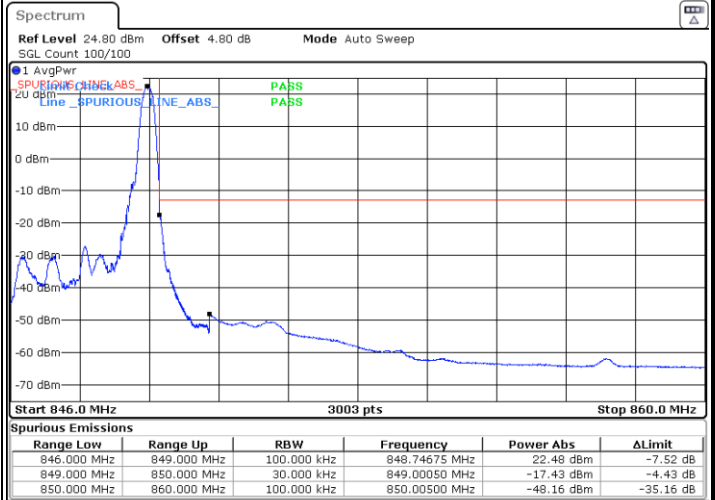
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



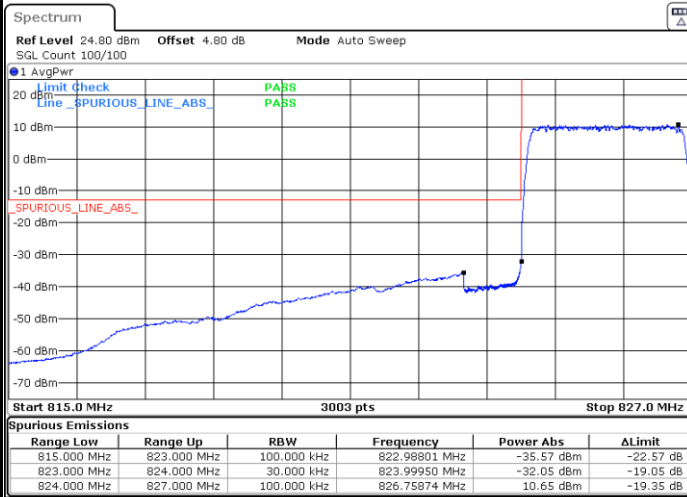
Date: 23.MAR.2022 13:02:36

Highest Band Edge / 1 RB



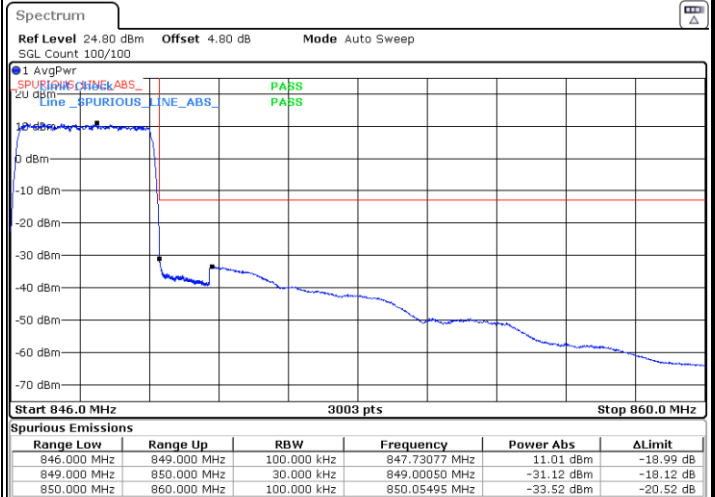
Date: 23.MAR.2022 13:23:17

Lowest Band Edge / Full RB



Date: 23.MAR.2022 13:10:10

Highest Band Edge / Full RB

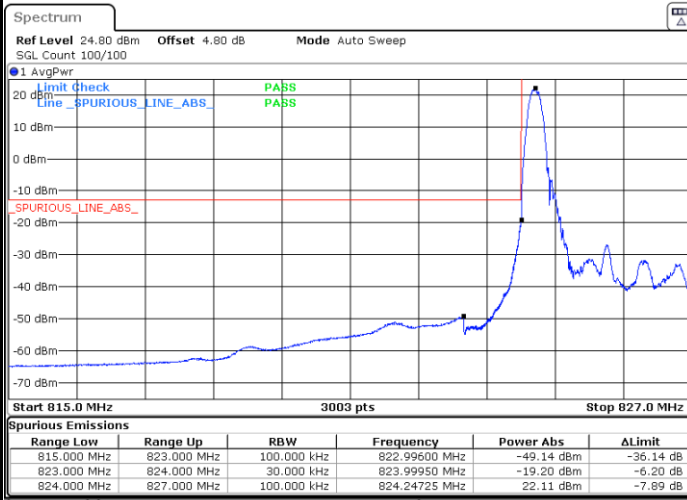


Date: 23.MAR.2022 13:30:50



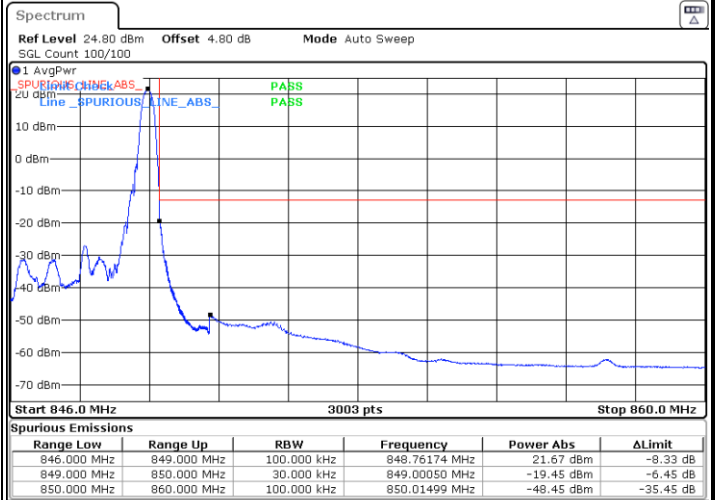
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



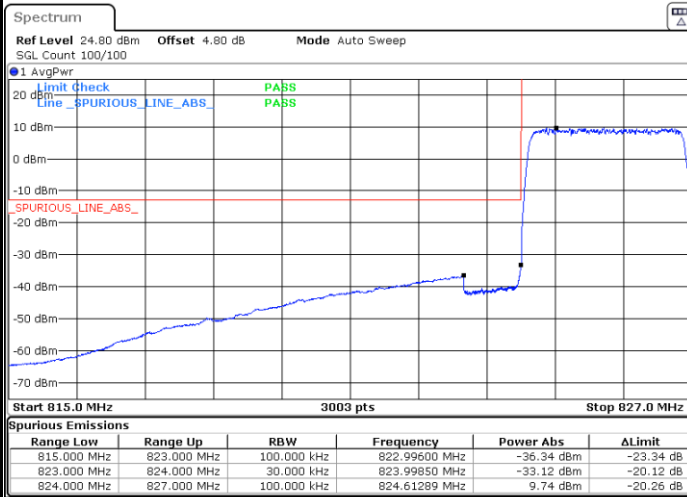
Date: 23.MAR.2022 13:04:29

Highest Band Edge / 1 RB



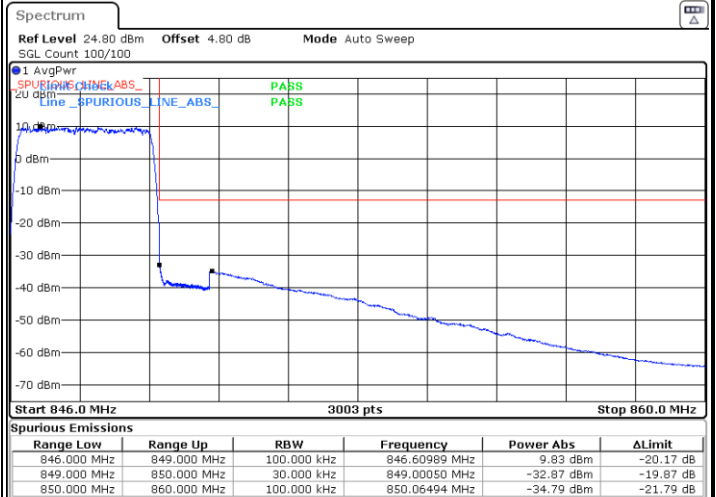
Date: 23.MAR.2022 13:25:10

Lowest Band Edge / Full RB



Date: 23.MAR.2022 13:12:03

Highest Band Edge / Full RB

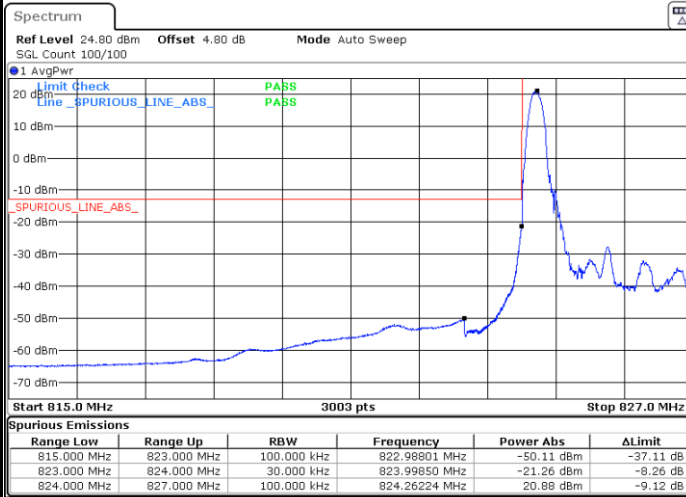


Date: 23.MAR.2022 13:32:44



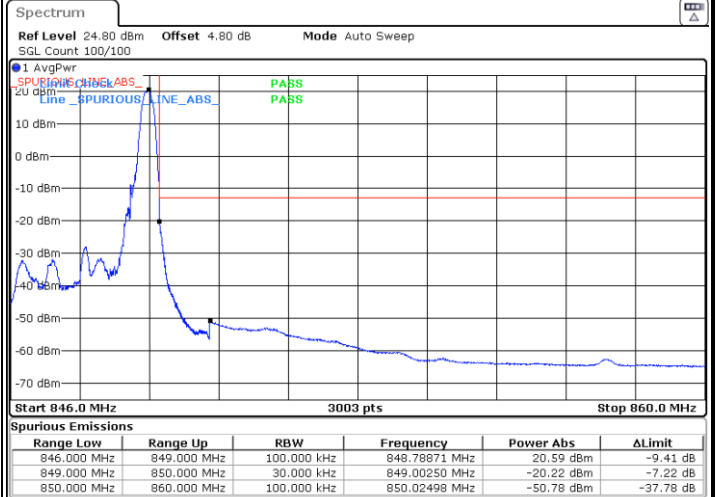
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



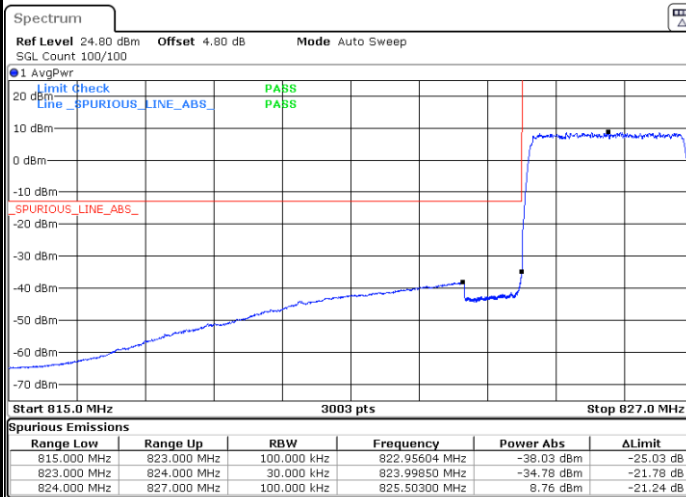
Date: 23.MAR.2022 13:06:23

Highest Band Edge / 1 RB



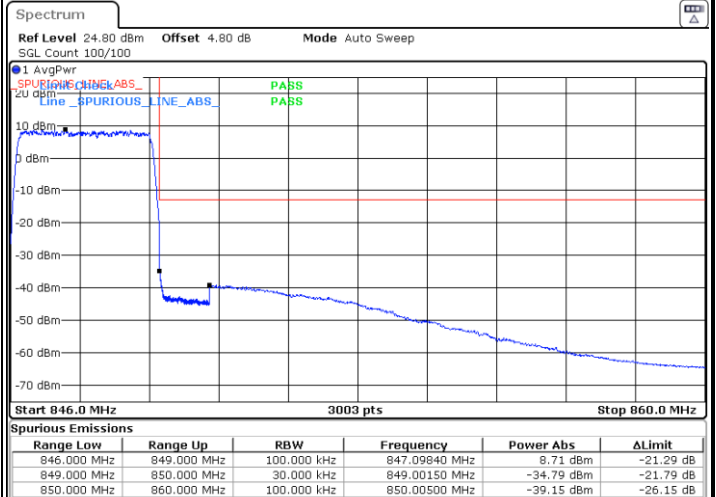
Date: 23.MAR.2022 13:27:04

Lowest Band Edge / Full RB



Date: 23.MAR.2022 13:13:57

Highest Band Edge / Full RB

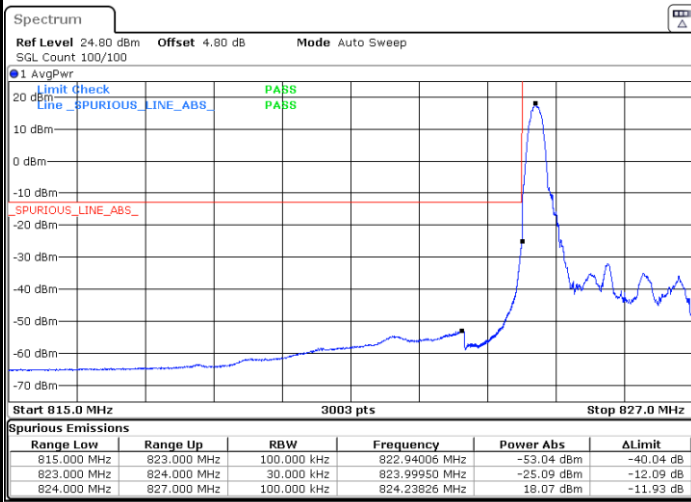


Date: 23.MAR.2022 13:34:37



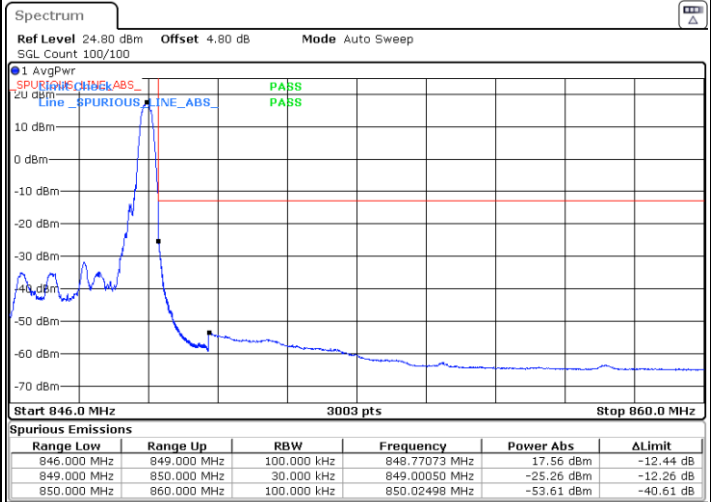
LTE Band 5 / 3MHz / 256QAM

Lowest Band Edge / 1 RB



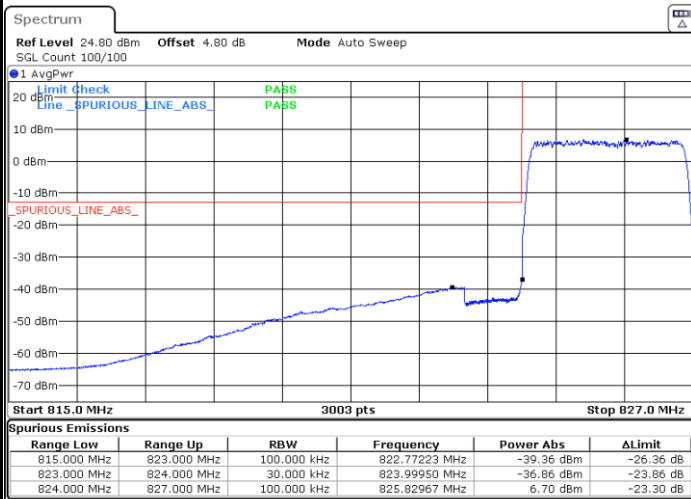
Date: 23.MAR.2022 13:08:16

Highest Band Edge / 1 RB



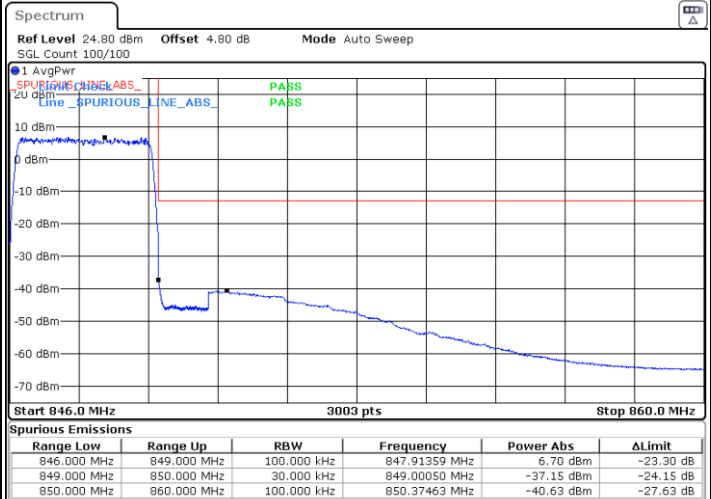
Date: 23.MAR.2022 13:28:57

Lowest Band Edge / Full RB



Date: 23.MAR.2022 13:15:50

Highest Band Edge / Full RB

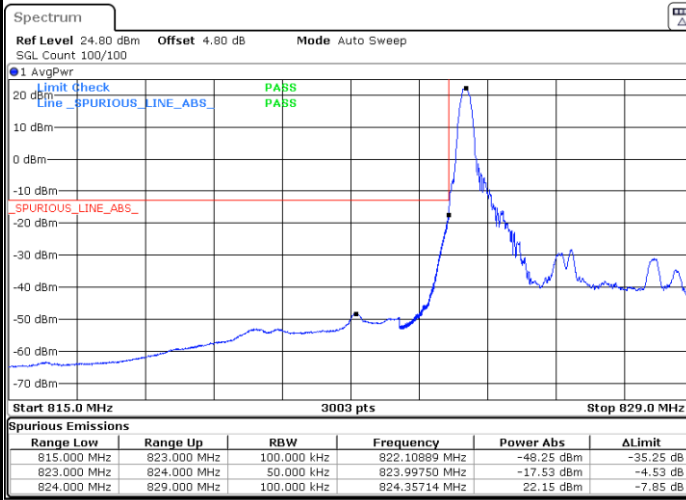


Date: 23.MAR.2022 13:36:30



LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



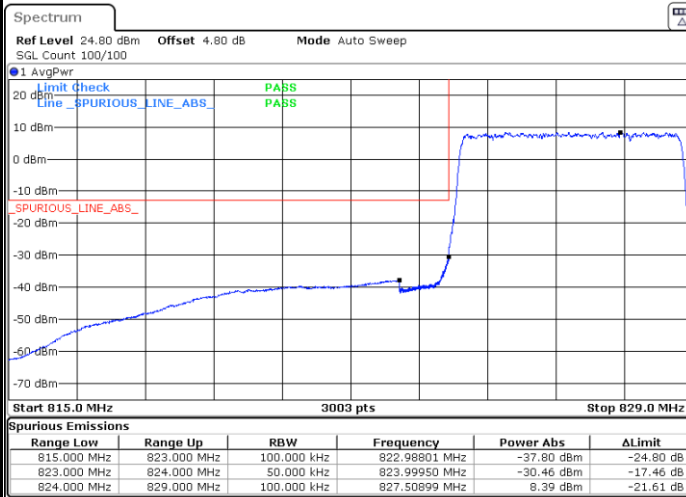
Date: 23.MAR.2022 13:41:07

Highest Band Edge / 1 RB



Date: 23.MAR.2022 13:59:43

Lowest Band Edge / Full RB



Date: 23.MAR.2022 13:48:40

Highest Band Edge / Full RB

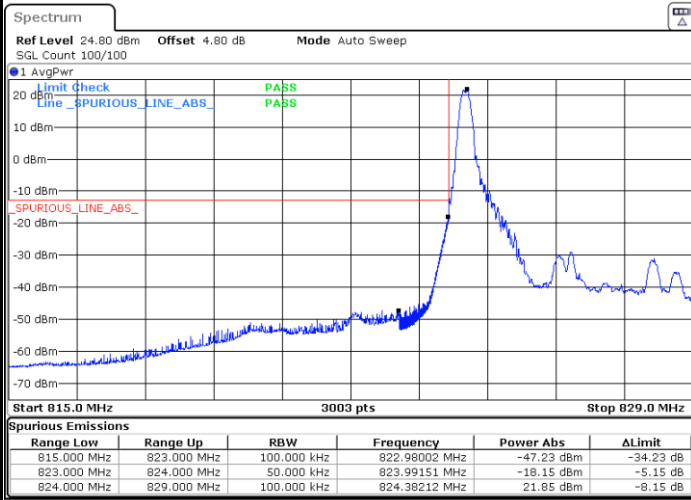


Date: 23.MAR.2022 14:07:16



LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



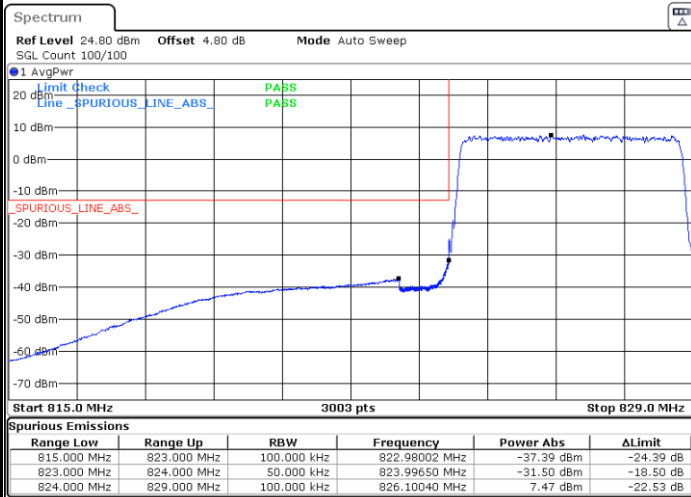
Date: 23.MAR.2022 13:43:00

Highest Band Edge / 1 RB



Date: 23.MAR.2022 14:01:36

Lowest Band Edge / Full RB



Date: 23.MAR.2022 13:50:34

Highest Band Edge / Full RB



Date: 23.MAR.2022 14:09:08