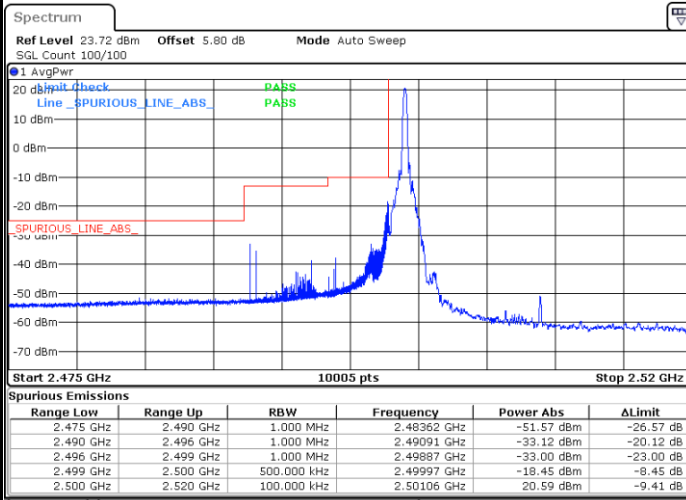




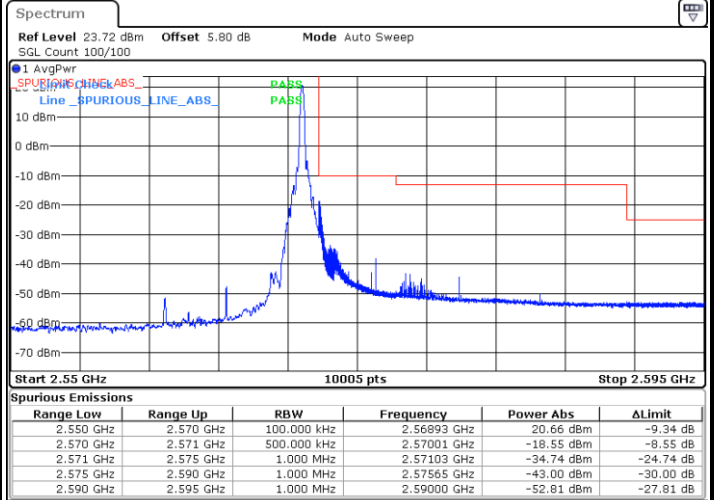
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



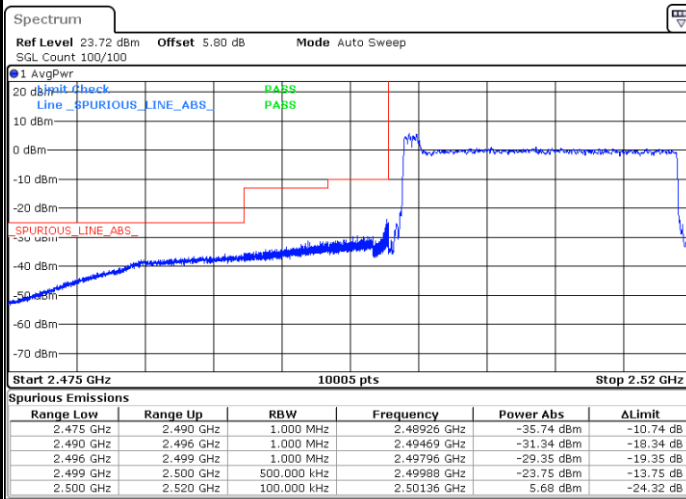
Date: 25.NOV.2021 02:22:27

Highest Band Edge / 1 RB



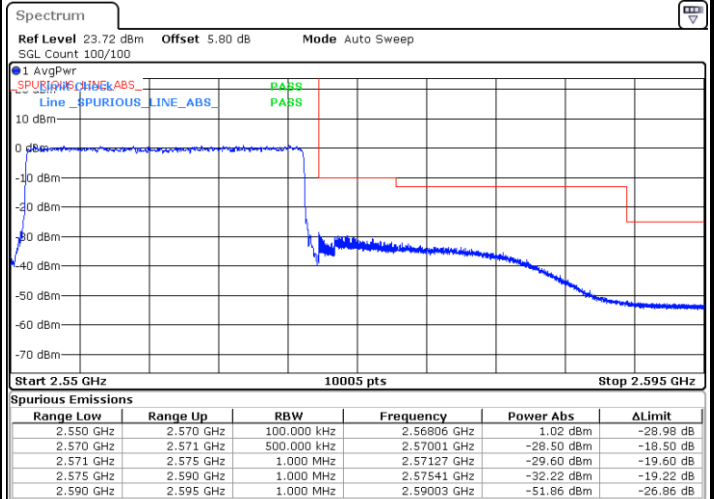
Date: 25.NOV.2021 02:30:53

Lowest Band Edge / Full RB



Date: 25.NOV.2021 02:21:03

Highest Band Edge / Full RB

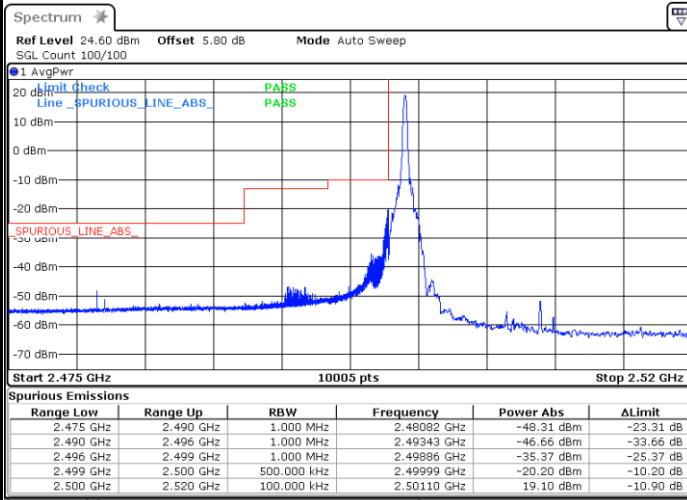


Date: 25.NOV.2021 02:29:29



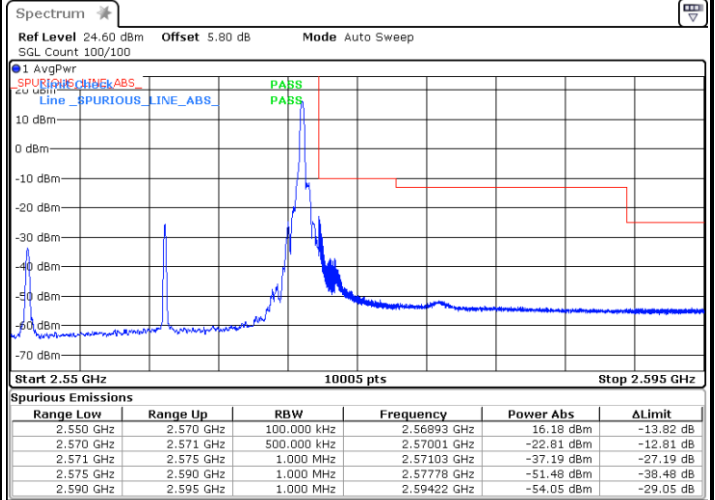
LTE Band 7 / 20MHz / 256QAM

Lowest Band Edge / 1RB



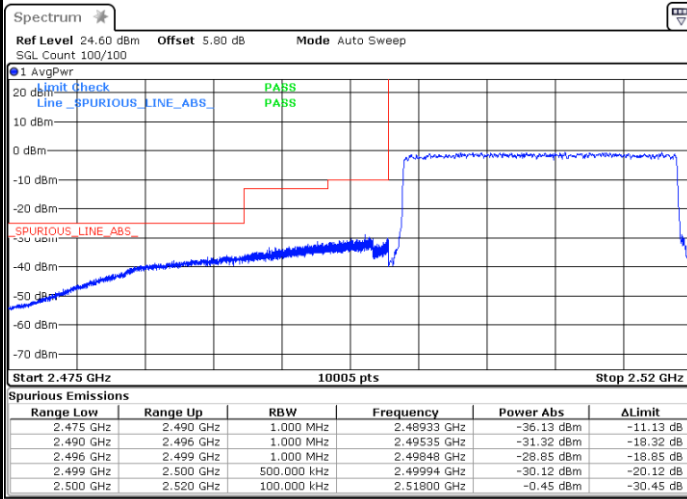
Date: 27.NOV.2021 00:08:10

Highest Band Edge / 1 RB



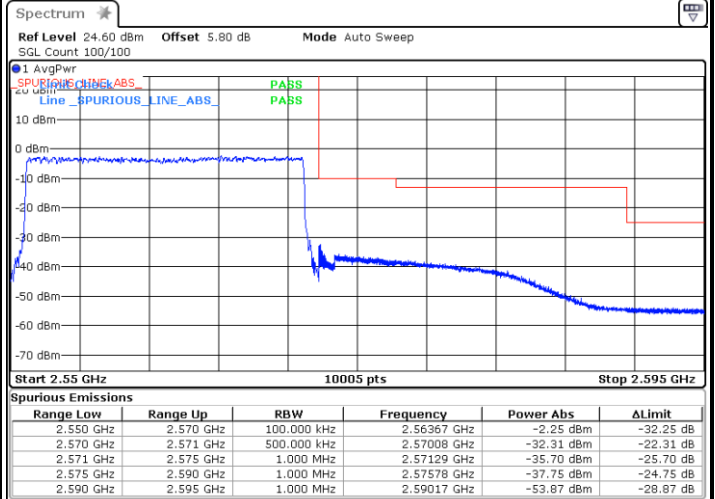
Date: 27.NOV.2021 00:19:40

Lowest Band Edge / Full RB



Date: 27.NOV.2021 00:02:25

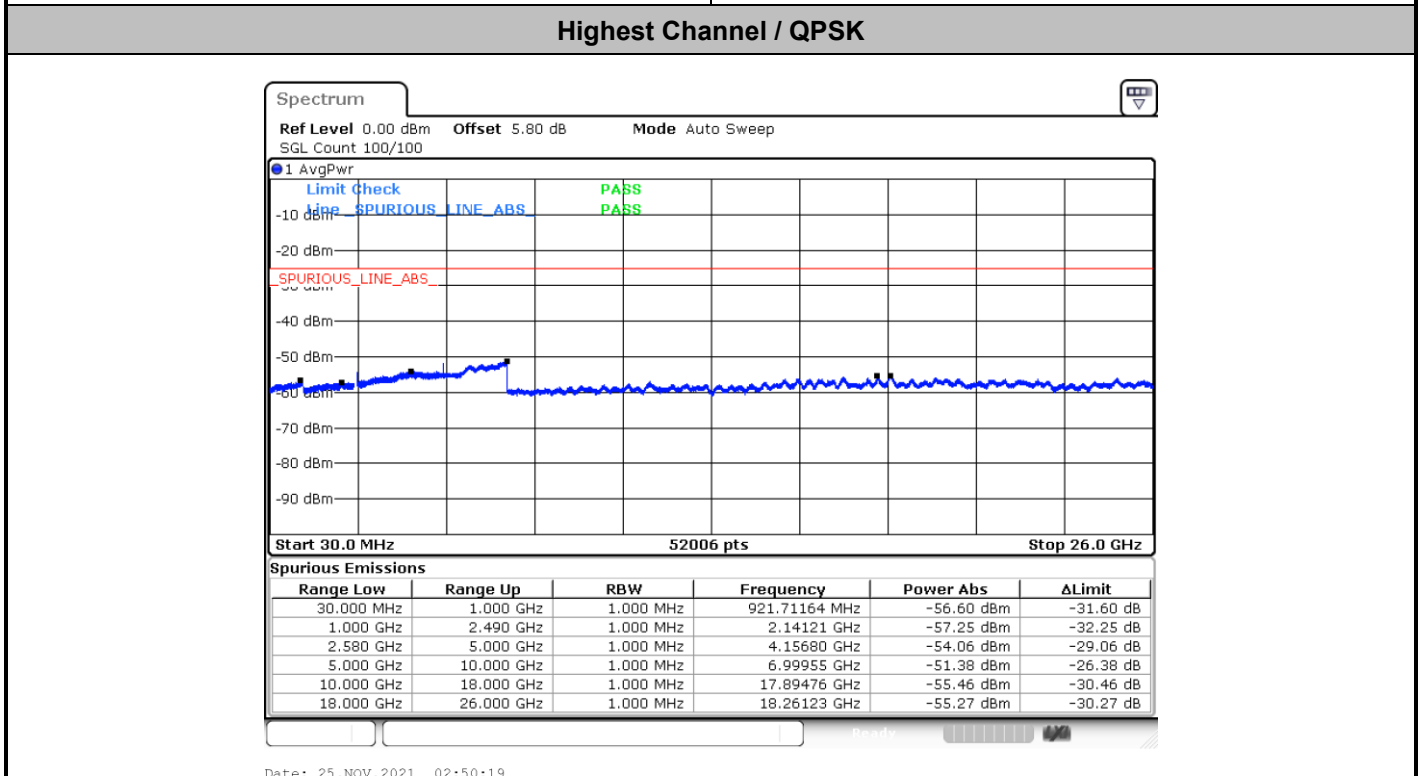
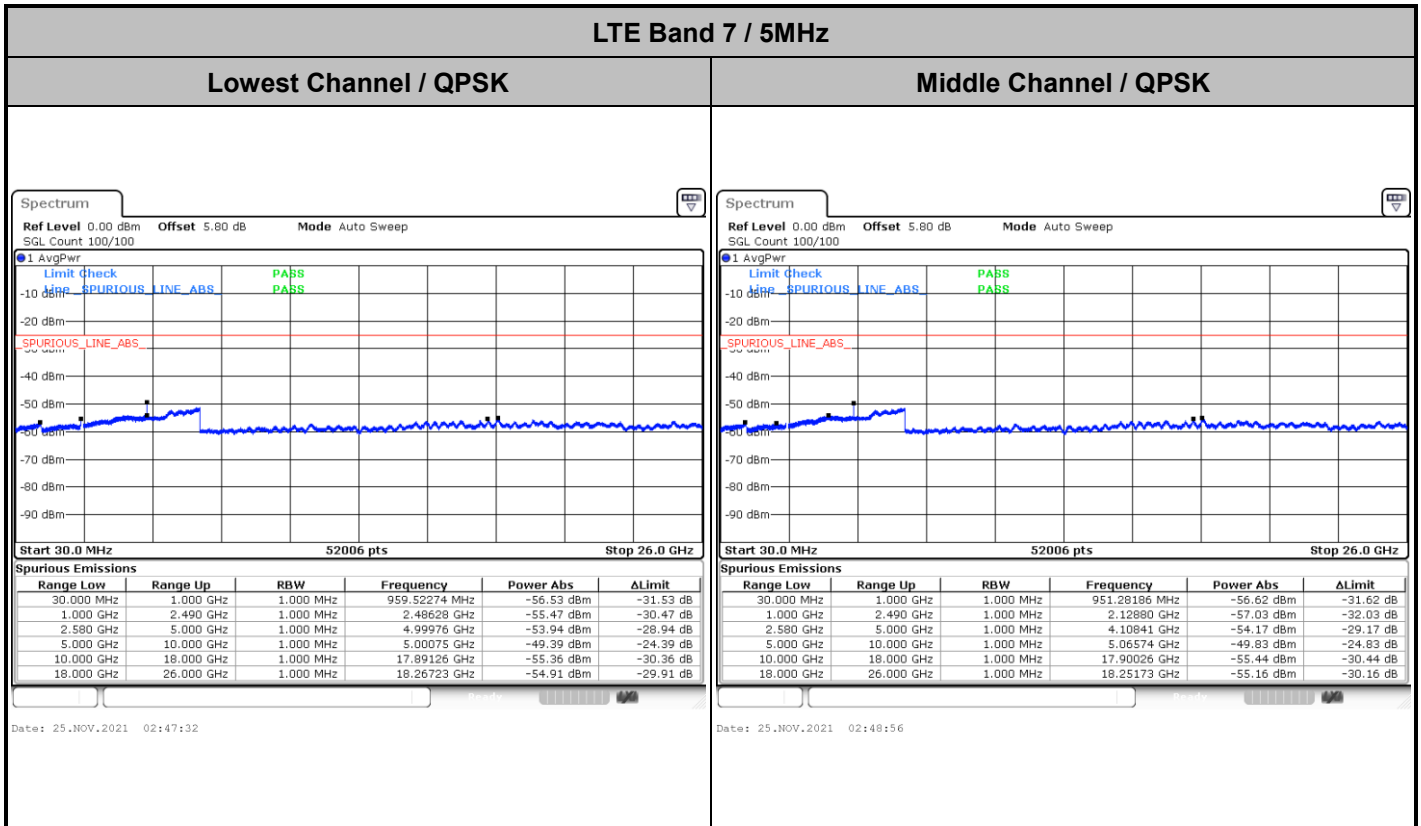
Highest Band Edge / Full RB



Date: 27.NOV.2021 00:18:15



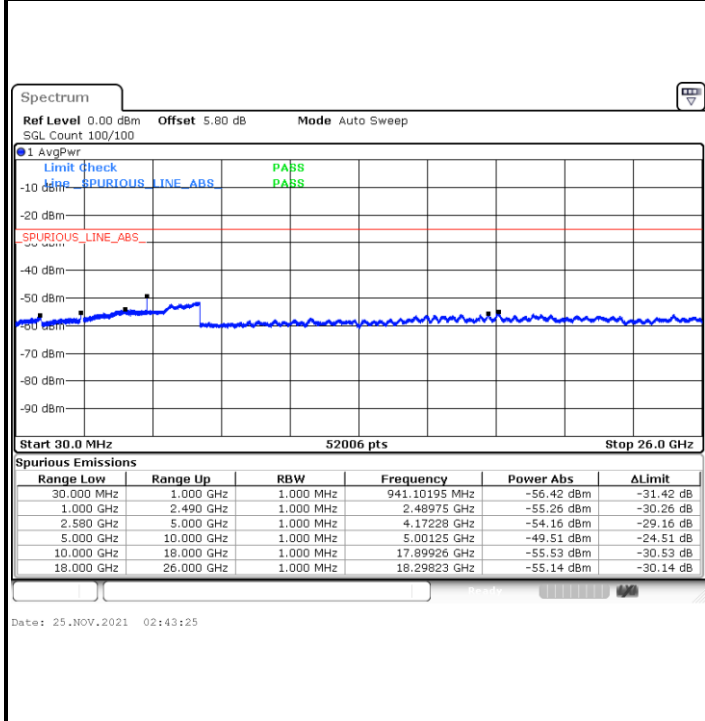
# Conducted Spurious Emission



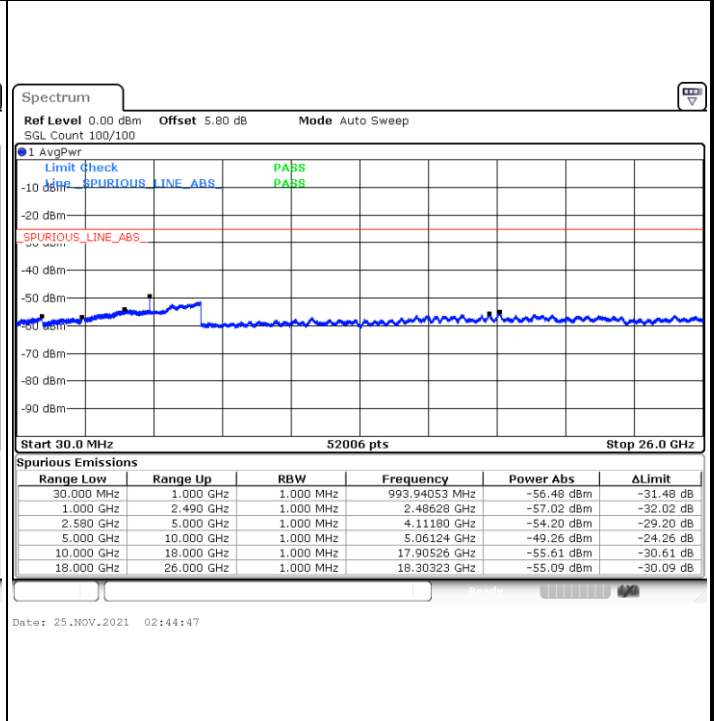


**LTE Band 7 / 10MHz**

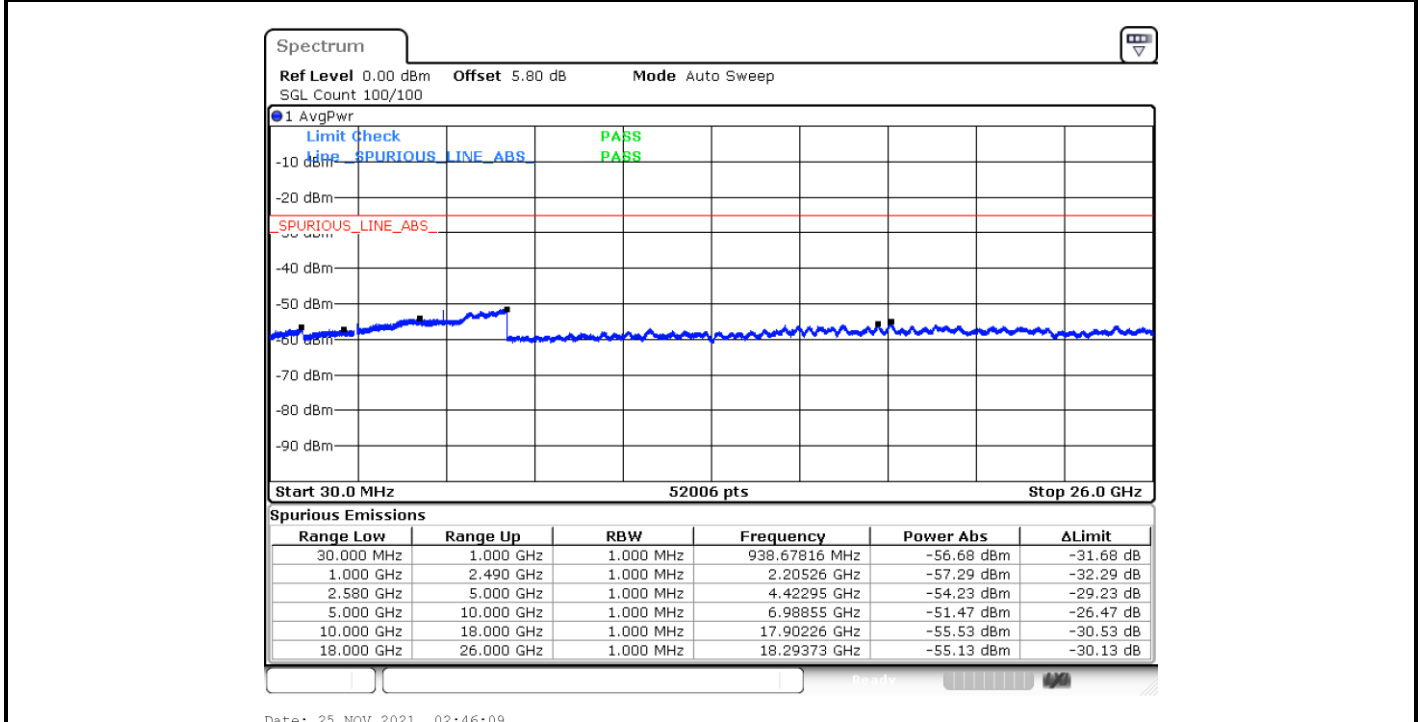
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



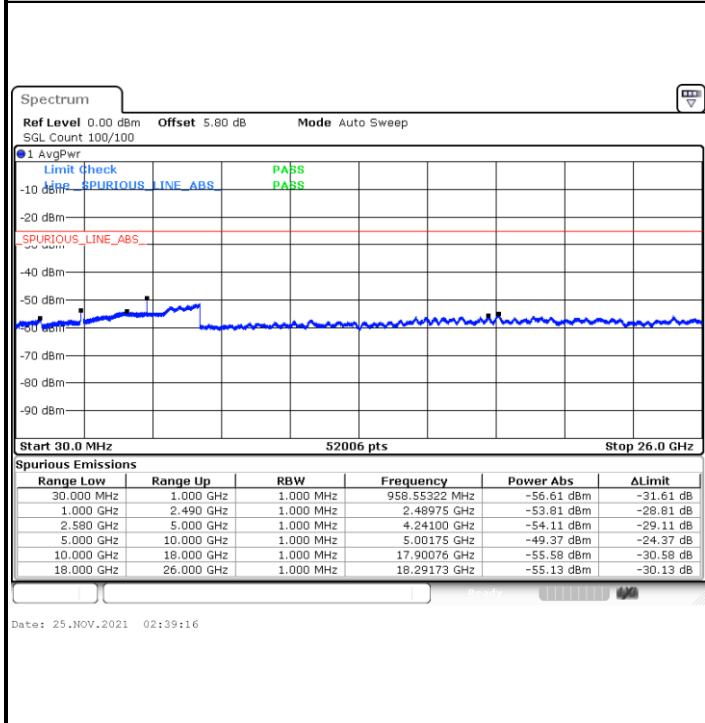
**Highest Channel / QPSK**



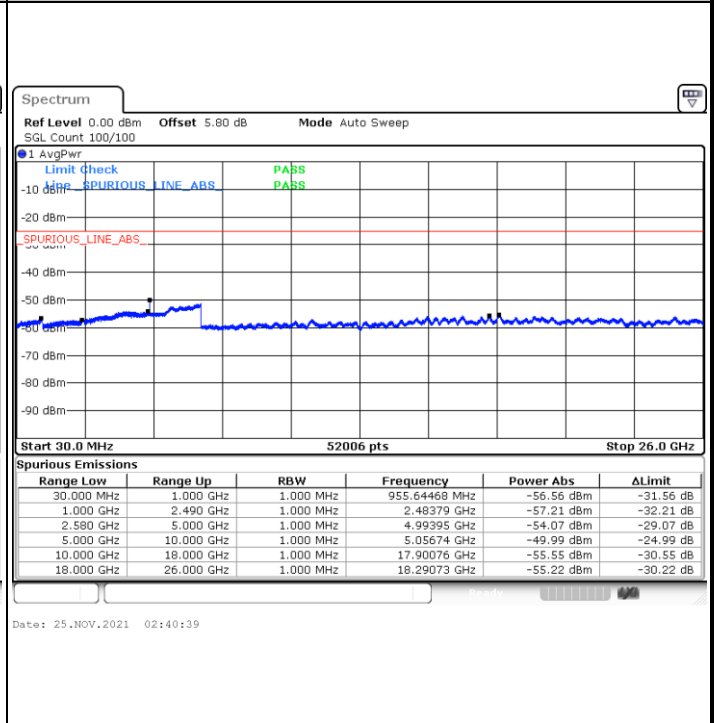


**LTE Band 7 / 15MHz**

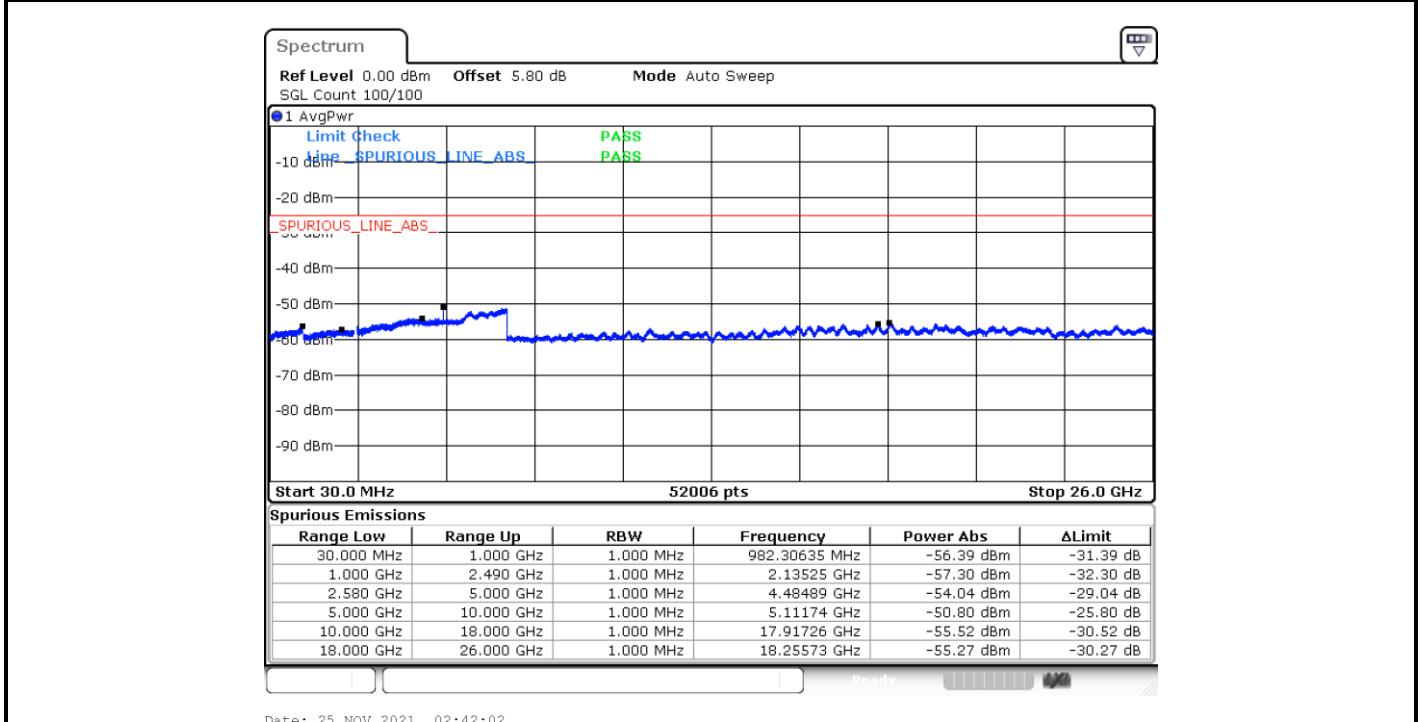
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



**Highest Channel / QPSK**

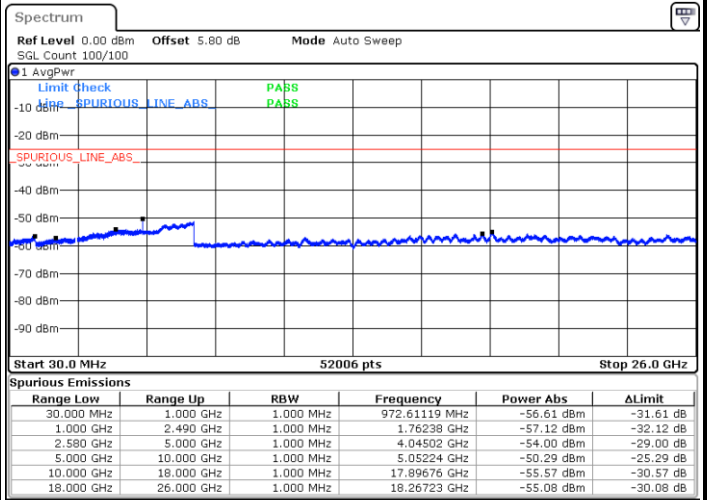
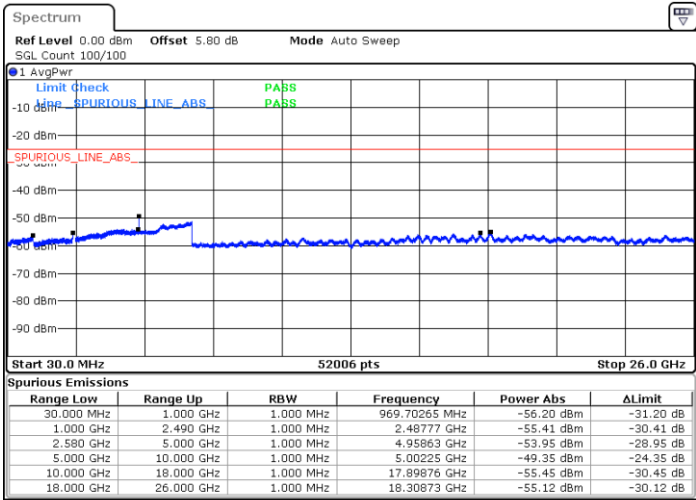




LTE Band 7 / 20MHz

Lowest Channel / QPSK

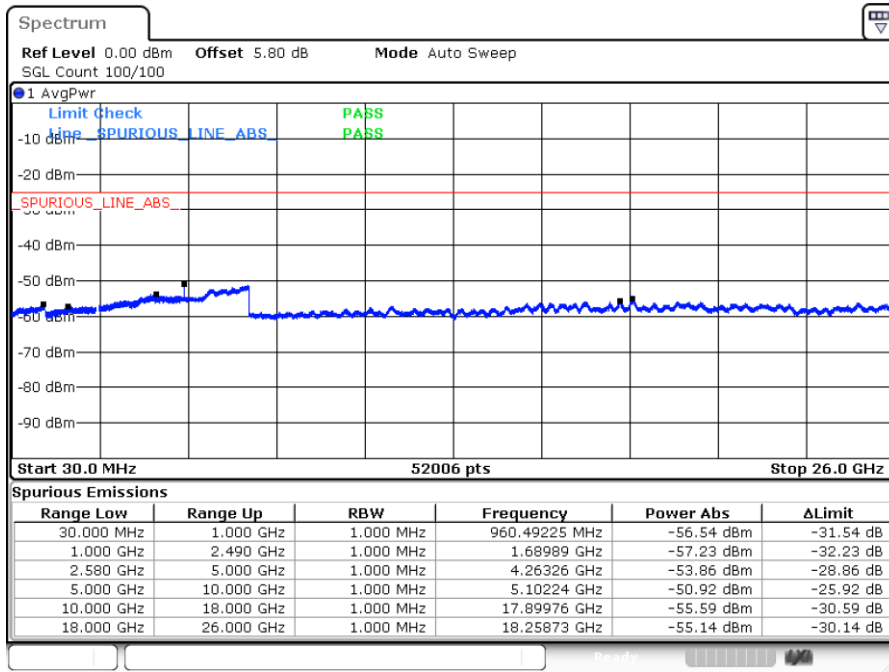
Middle Channel / QPSK



Date: 25.NOV.2021 02:35:07

Date: 25.NOV.2021 02:36:30

Highest Channel / QPSK



Date: 25.NOV.2021 02:37:52



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0015	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0018	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0016	
20	Battery End Point	0.0013	

Note:

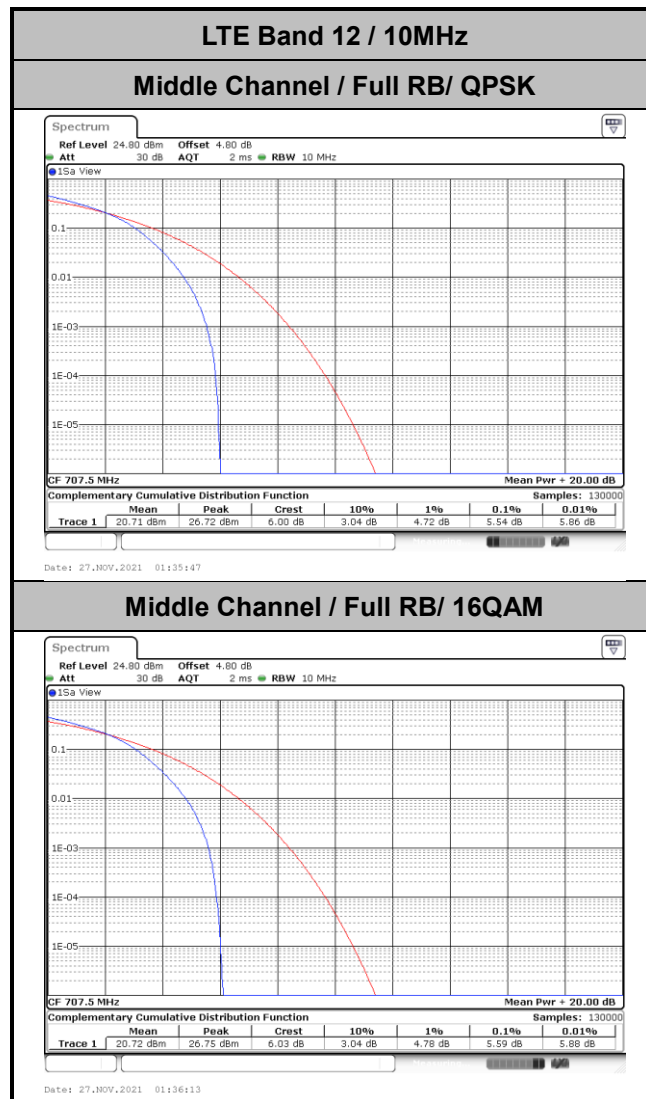
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.45V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

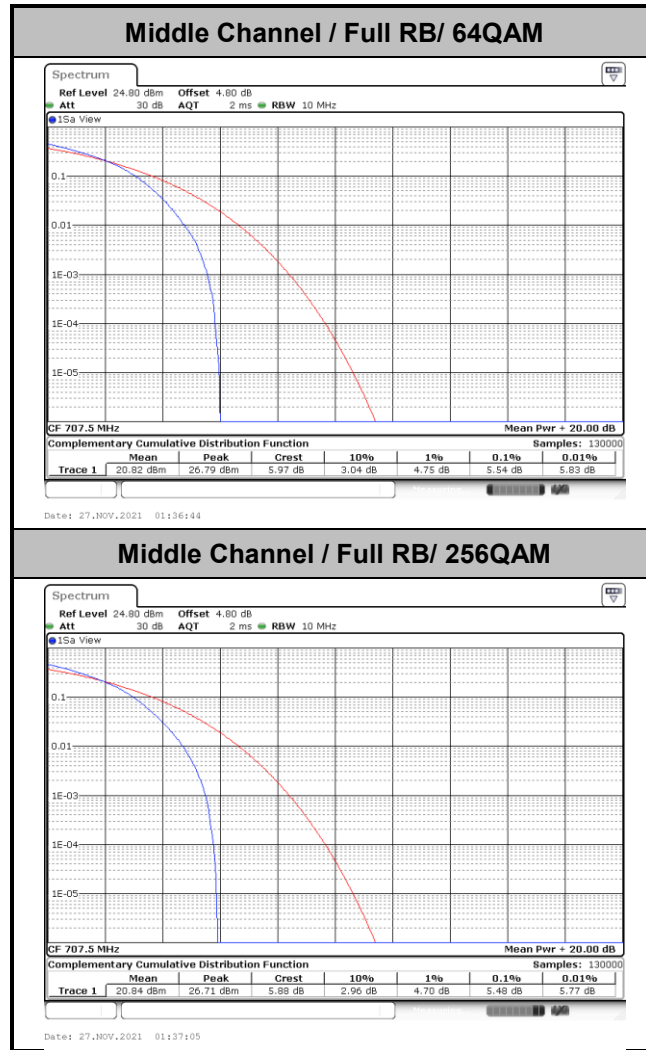


# LTE Band 12

## 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	5.54	5.59	5.54	5.48	PASS

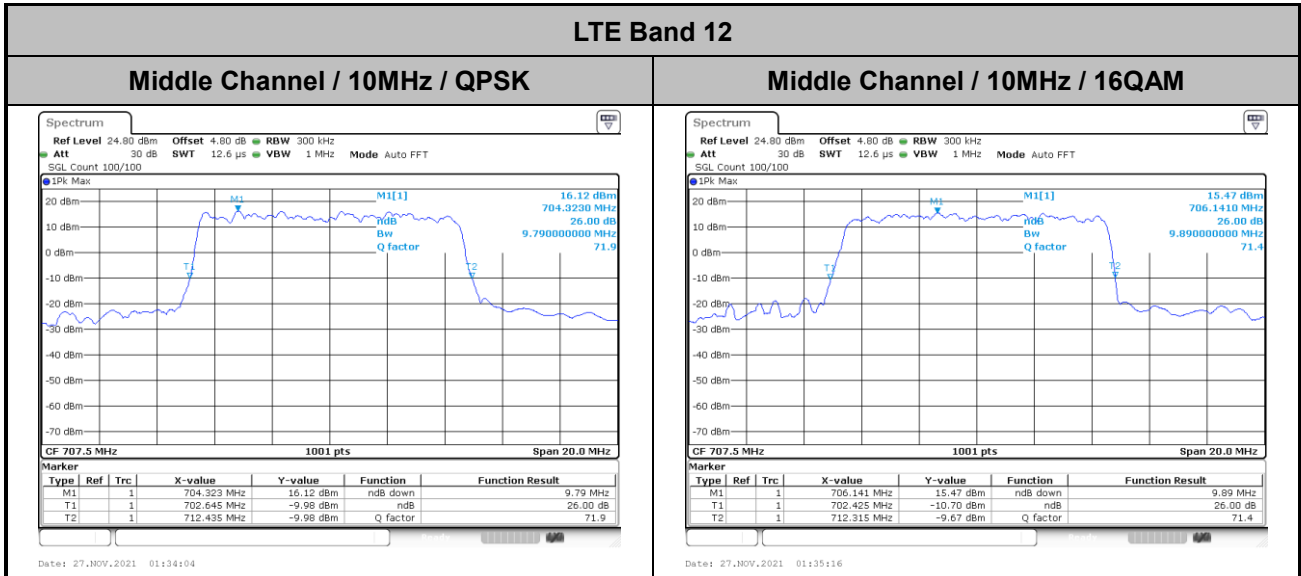






## 26dB Bandwidth

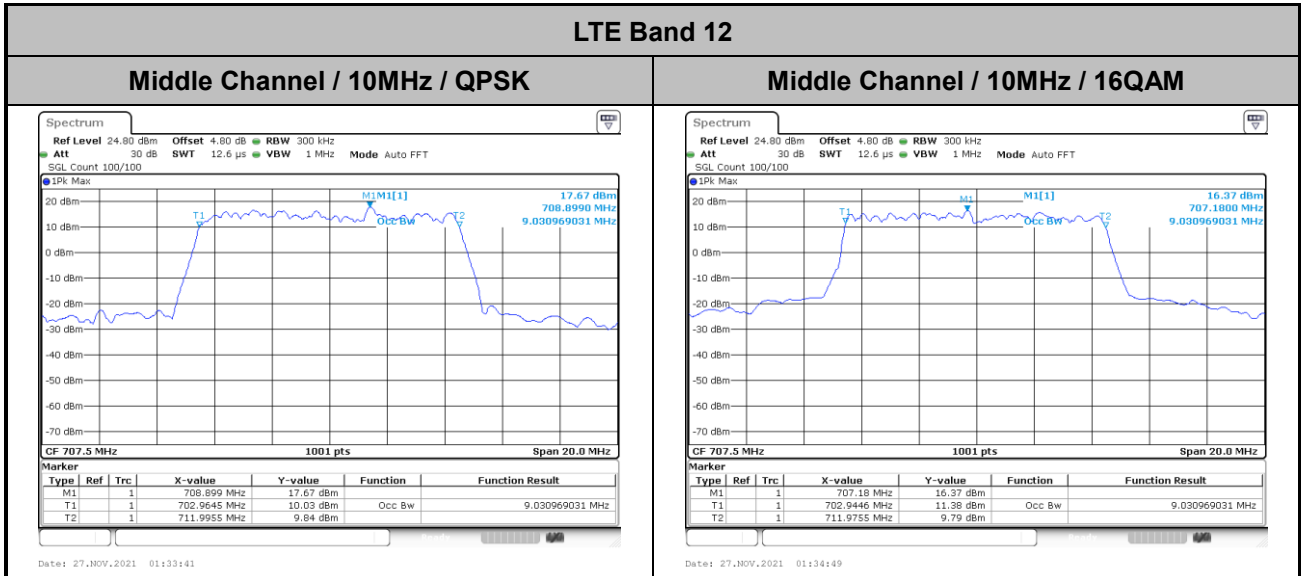
<b>Mode</b>	<b>LTE Band 12 : 26dB BW(MHz)</b>	
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	9.79	9.89





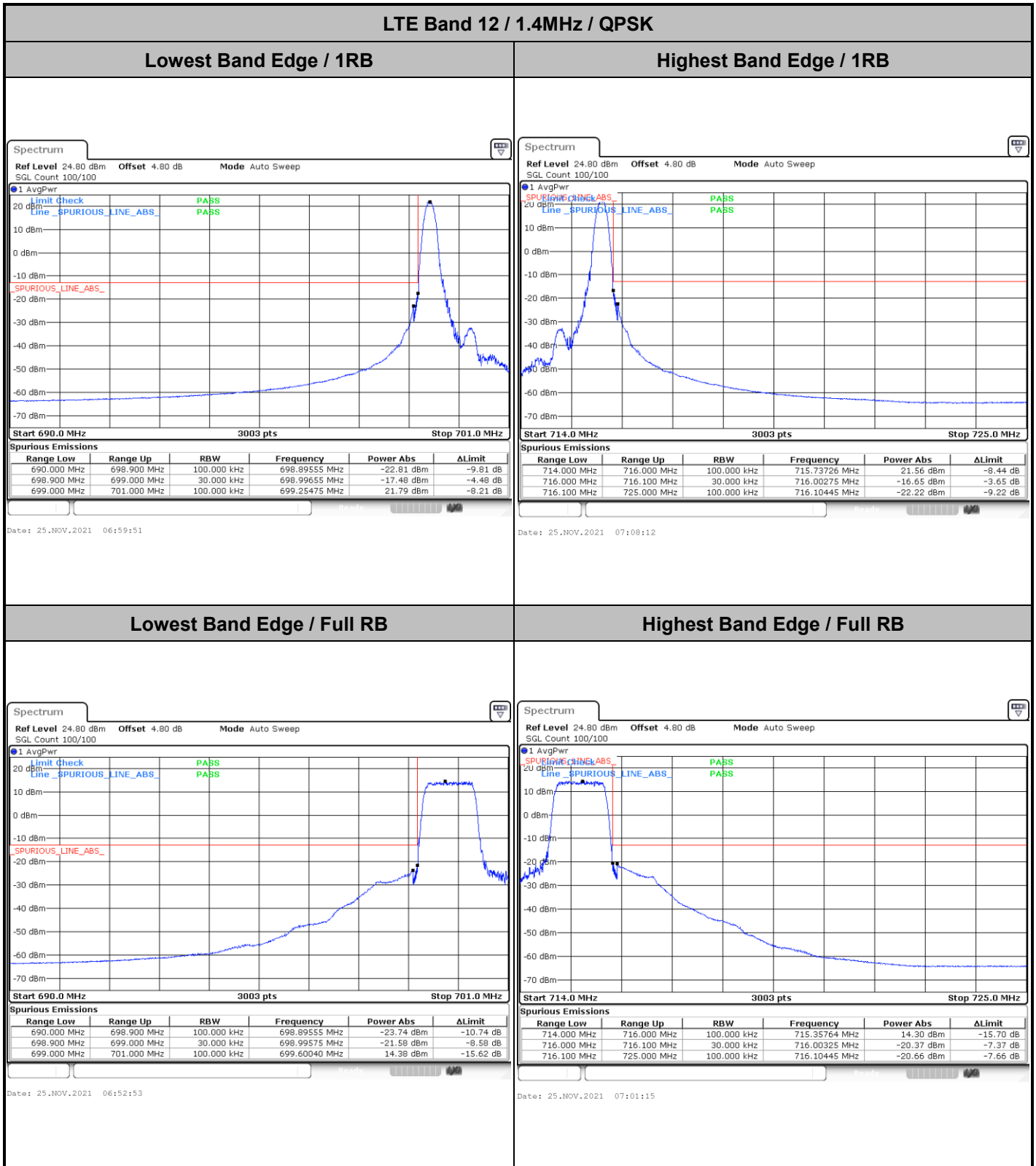
# Occupied Bandwidth

Mode	LTE Band 12 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.03	9.03





# Conducted Band Edge

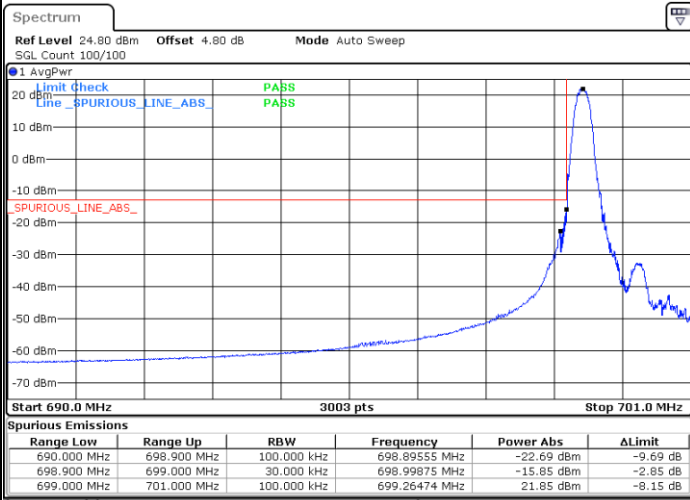




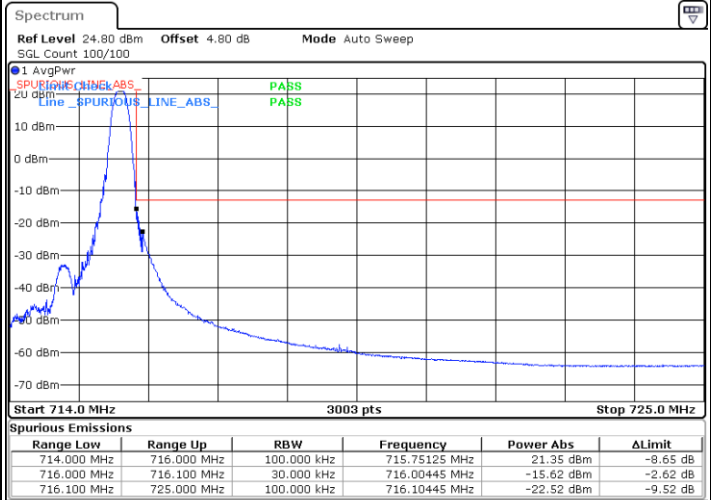
LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



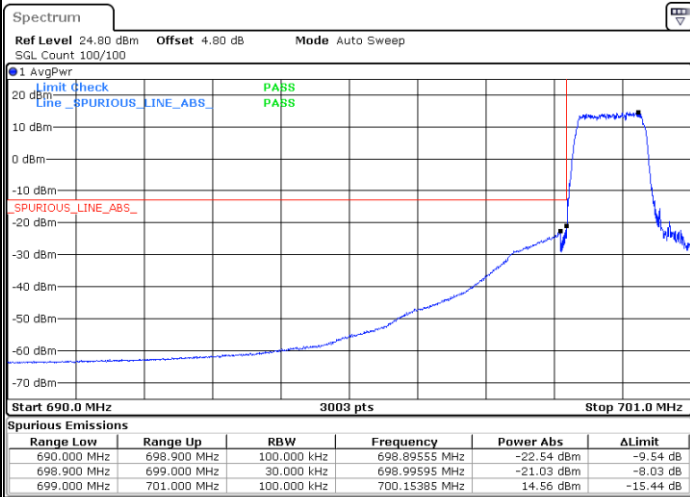
Date: 25.NOV.2021 06:58:27



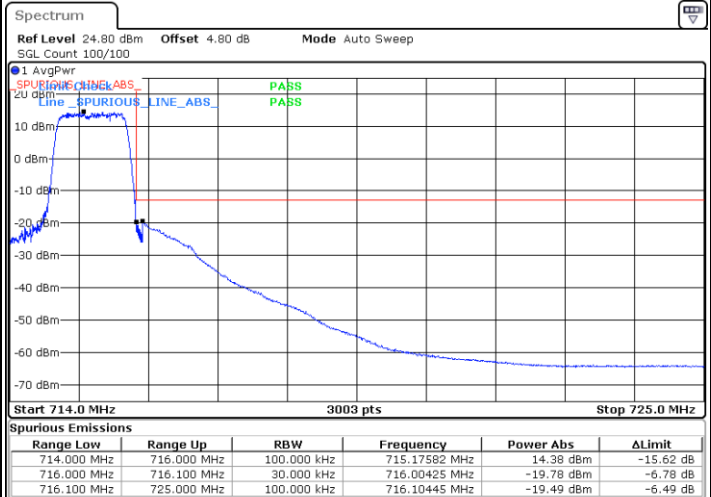
Date: 25.NOV.2021 07:06:49

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.NOV.2021 06:54:16

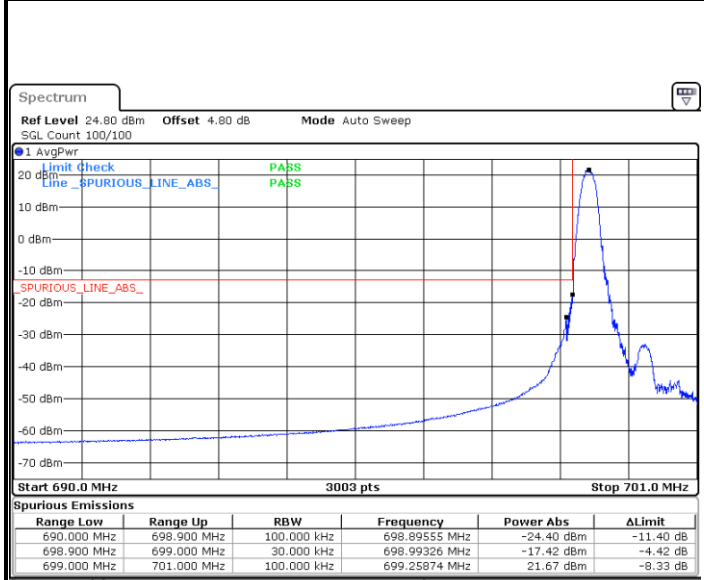


Date: 25.NOV.2021 07:02:39



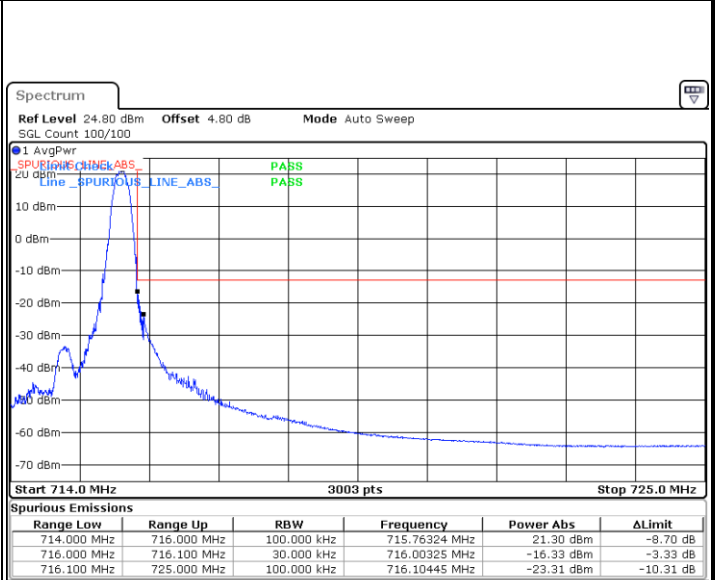
**LTE Band 12 / 1.4MHz / 64QAM**

**Lowest Band Edge / 1 RB**



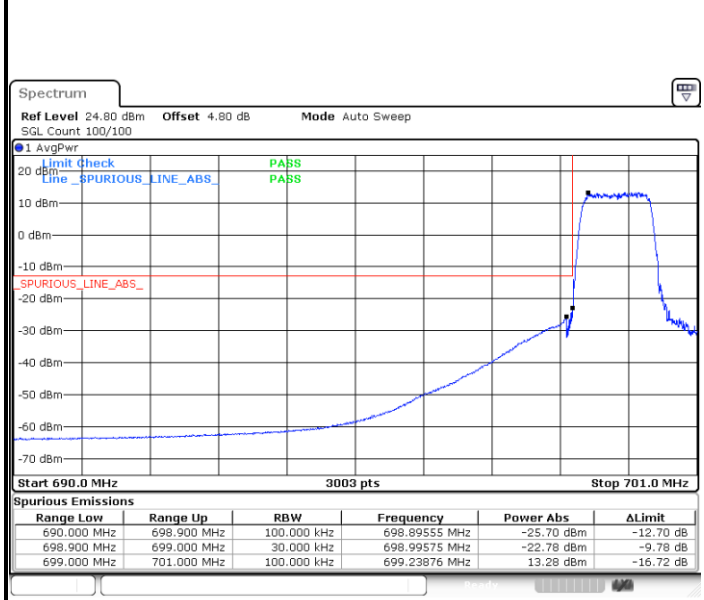
Date: 25.NOV.2021 06:57:02

**Highest Band Edge / 1 RB**



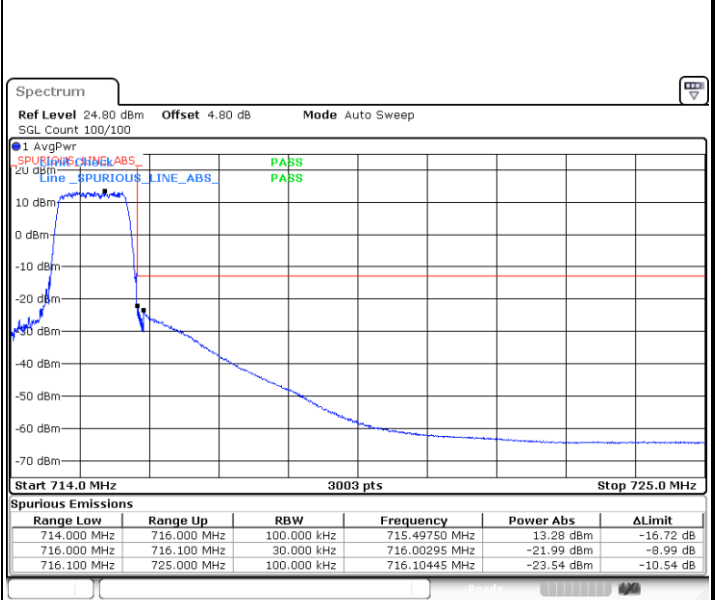
Date: 25.NOV.2021 07:05:26

**Lowest Band Edge / Full RB**



Date: 25.NOV.2021 06:55:39

**Highest Band Edge / Full RB**

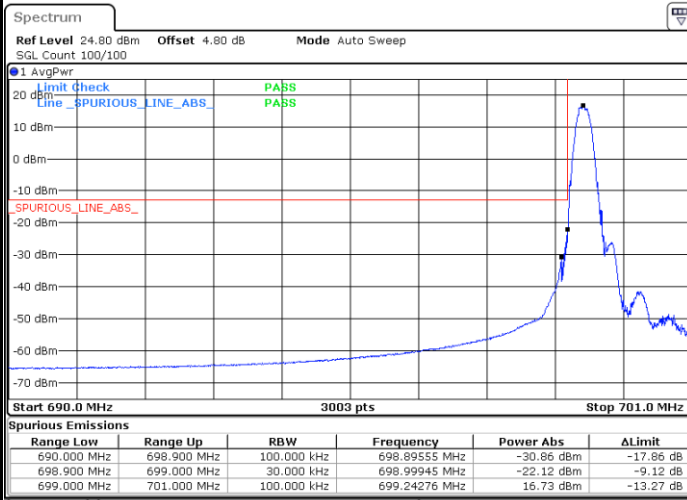


Date: 25.NOV.2021 07:04:02



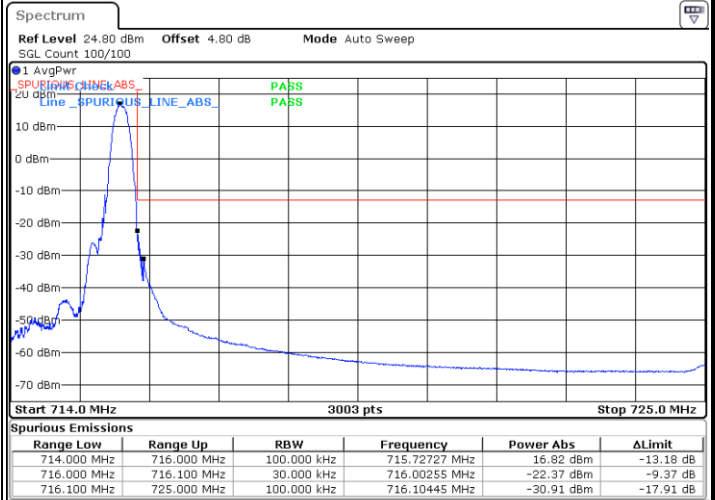
LTE Band 12 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



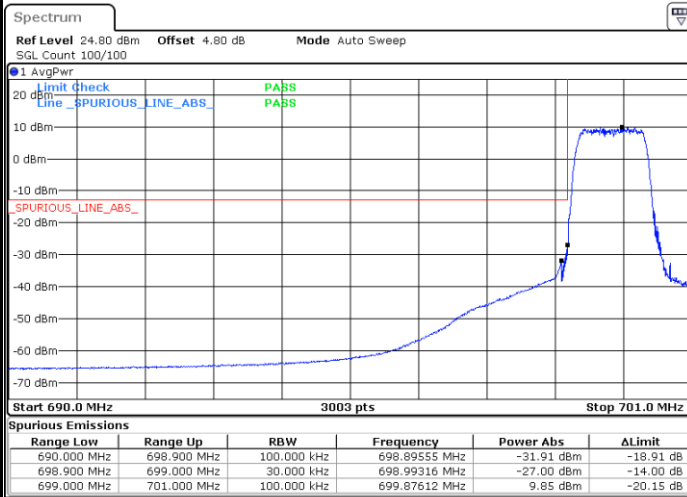
Date: 27.NOV.2021 01:10:03

Highest Band Edge / 1 RB



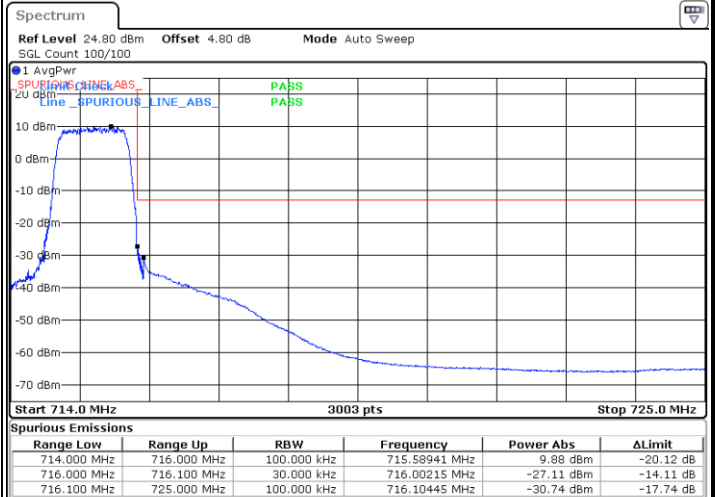
Date: 27.NOV.2021 01:11:03

Lowest Band Edge / Full RB



Date: 27.NOV.2021 01:08:55

Highest Band Edge / Full RB

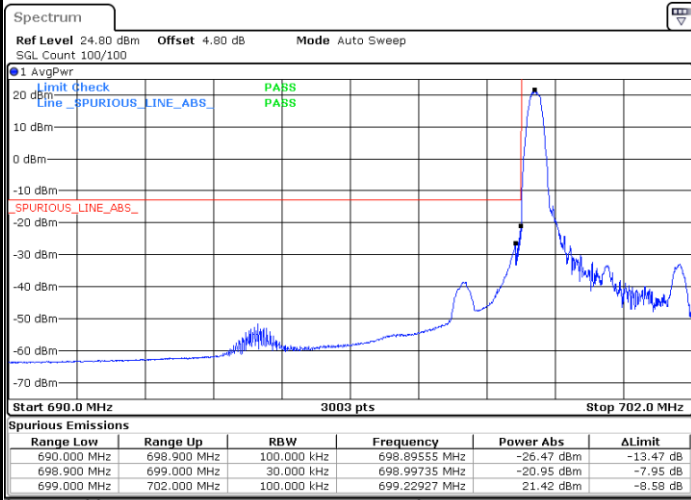


Date: 27.NOV.2021 01:11:53



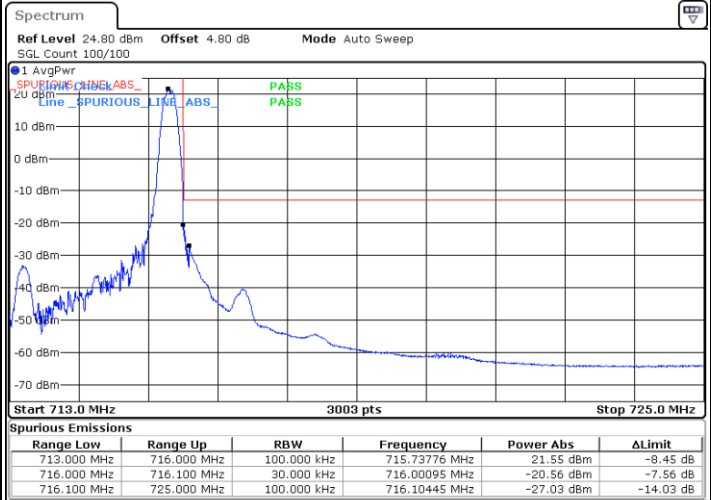
LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB



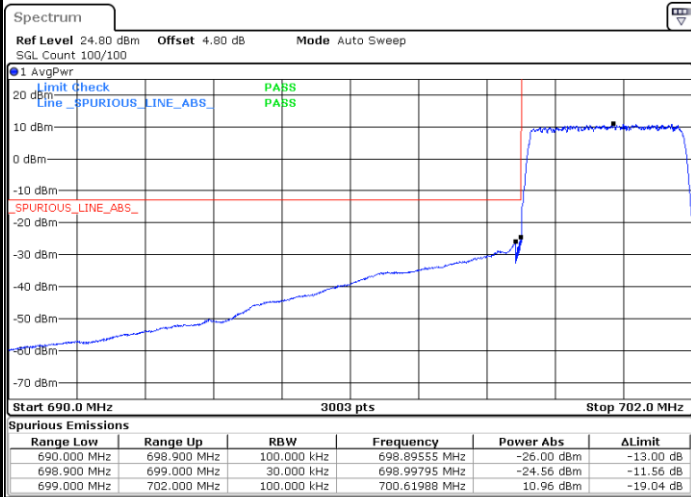
Date: 25.NOV.2021 05:20:50

Highest Band Edge / 1 RB



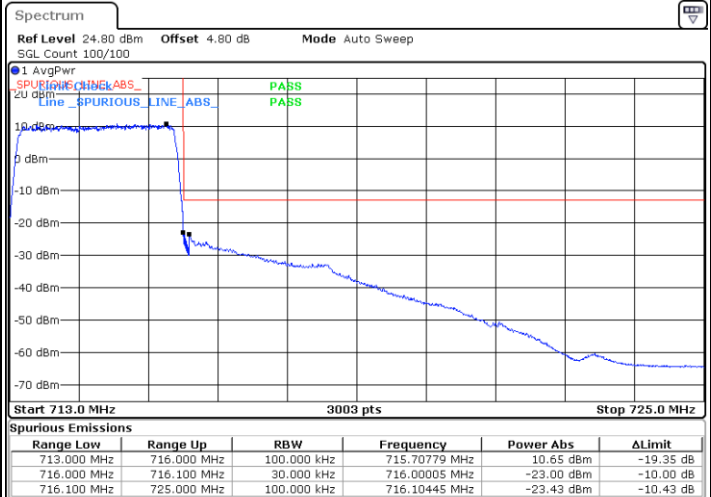
Date: 25.NOV.2021 05:26:24

Lowest Band Edge / Full RB



Date: 25.NOV.2021 05:16:39

Highest Band Edge / Full RB



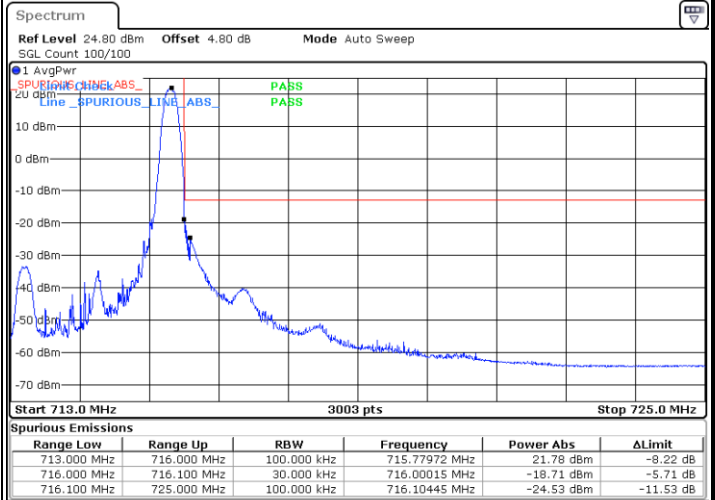
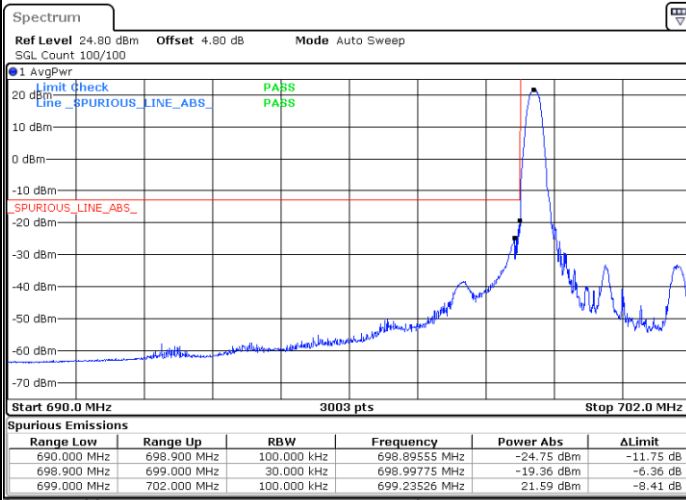
Date: 25.NOV.2021 05:22:14



LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

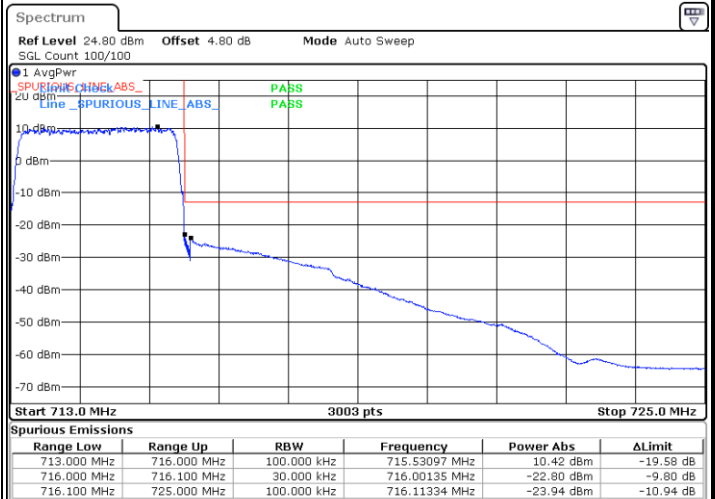
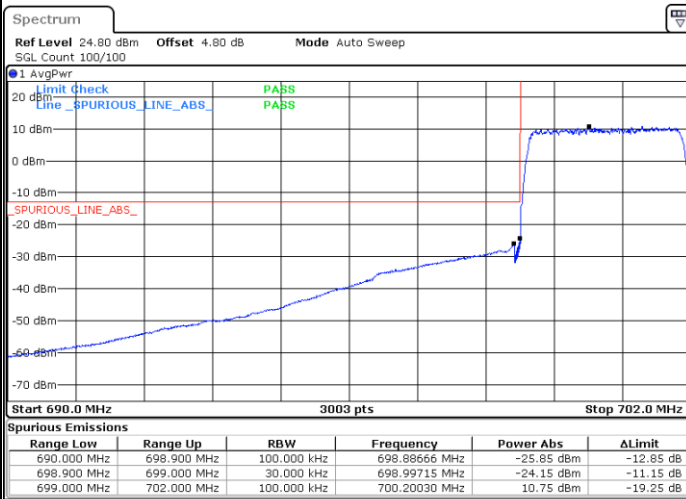


Date: 25.NOV.2021 05:19:26

Date: 25.NOV.2021 05:25:01

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.NOV.2021 05:18:03

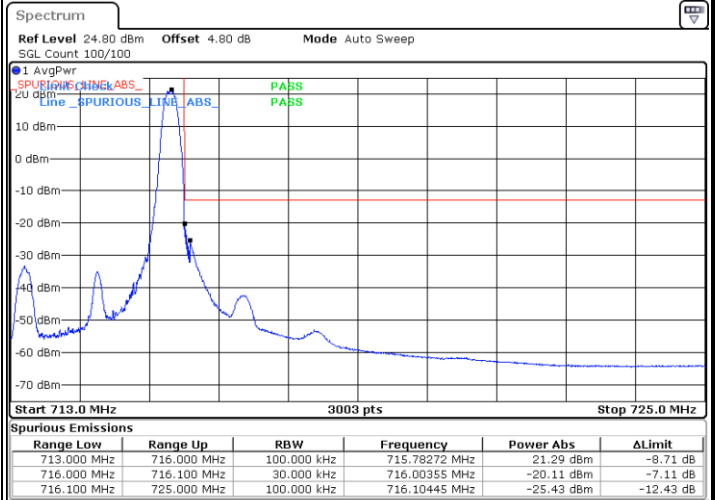
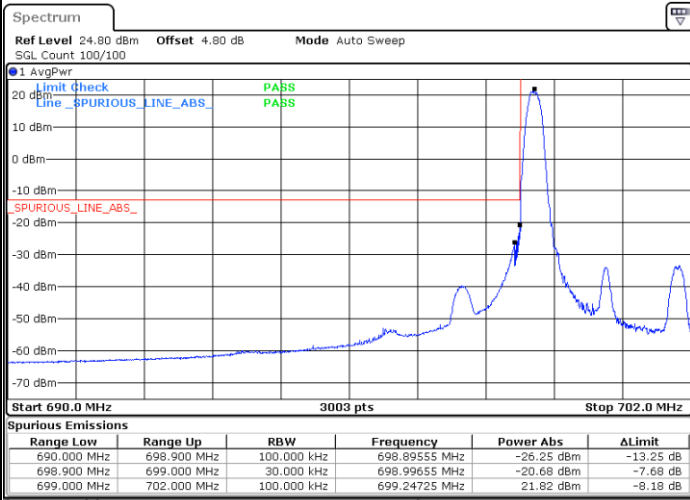
Date: 25.NOV.2021 05:23:37



LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

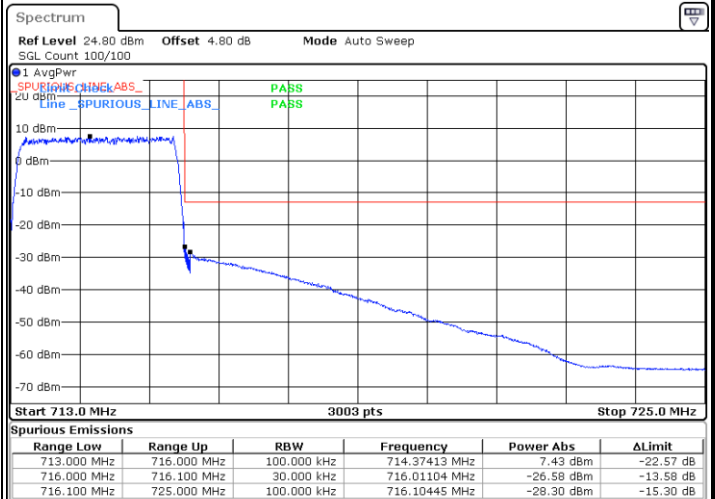
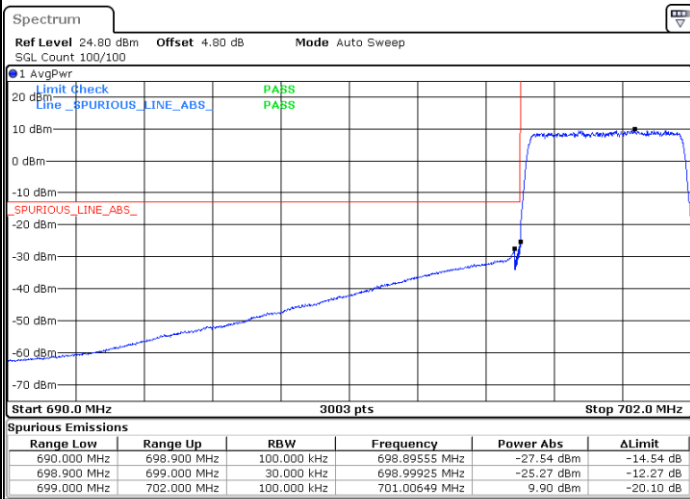


Date: 25.NOV.2021 07:22:24

Date: 25.NOV.2021 07:21:00

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.NOV.2021 06:00:43

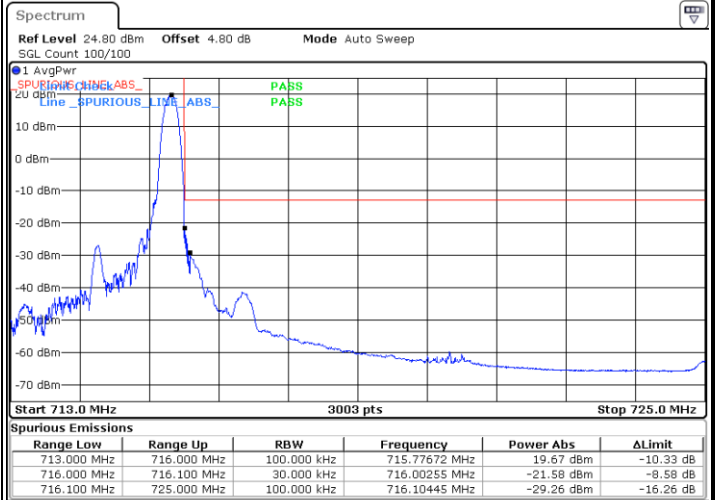
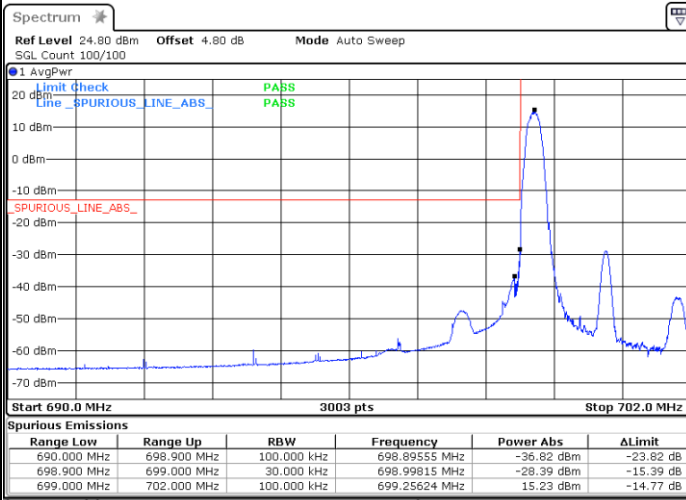
Date: 25.NOV.2021 06:06:58



LTE Band 12 / 3MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

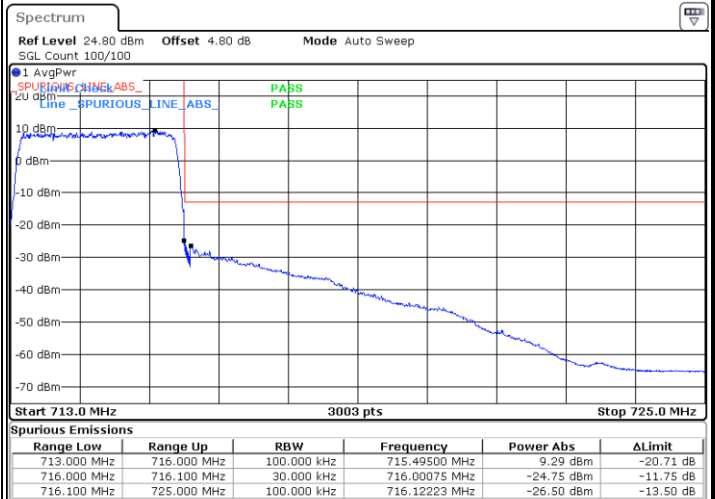
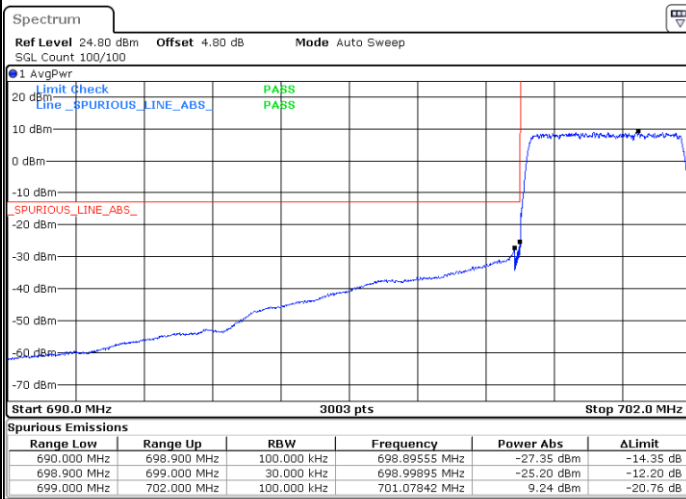


Date: 27.NOV.2021 15:07:35

Date: 27.NOV.2021 01:16:24

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



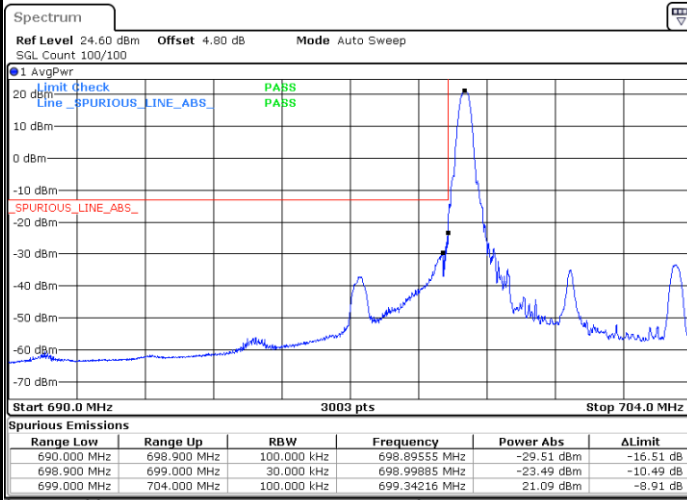
Date: 27.NOV.2021 01:13:34

Date: 27.NOV.2021 01:15:28



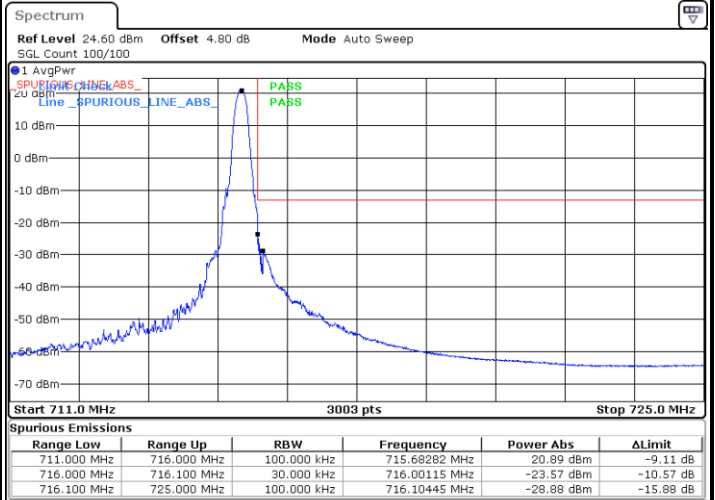
LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB



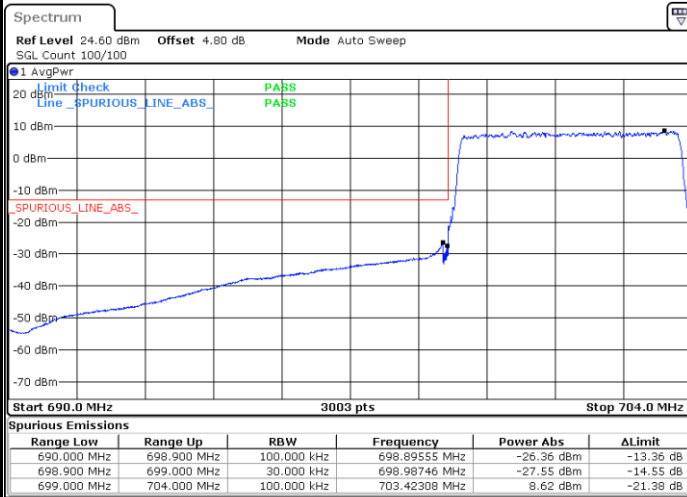
Date: 25.NOV.2021 05:31:59

Highest Band Edge / 1 RB



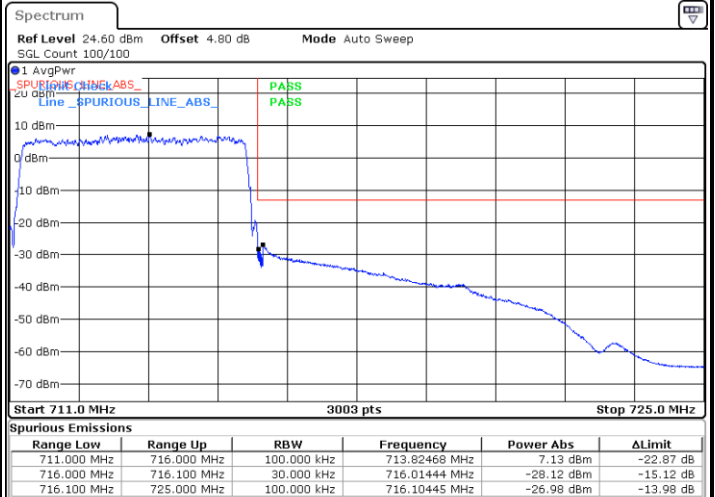
Date: 25.NOV.2021 05:38:30

Lowest Band Edge / Full RB



Date: 25.NOV.2021 05:27:48

Highest Band Edge / Full RB

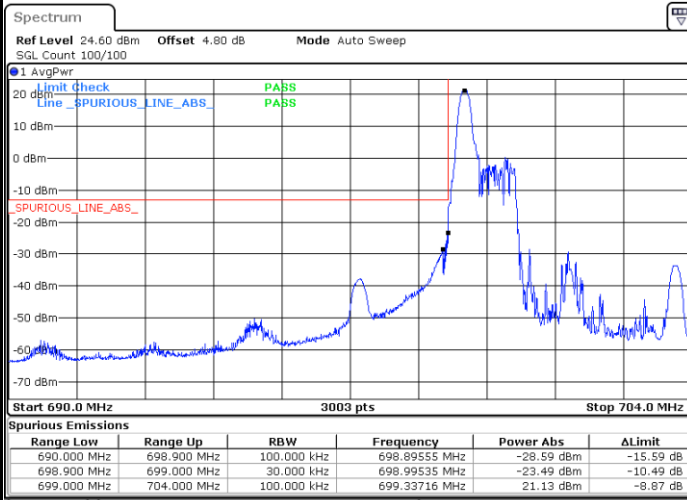


Date: 25.NOV.2021 05:33:59



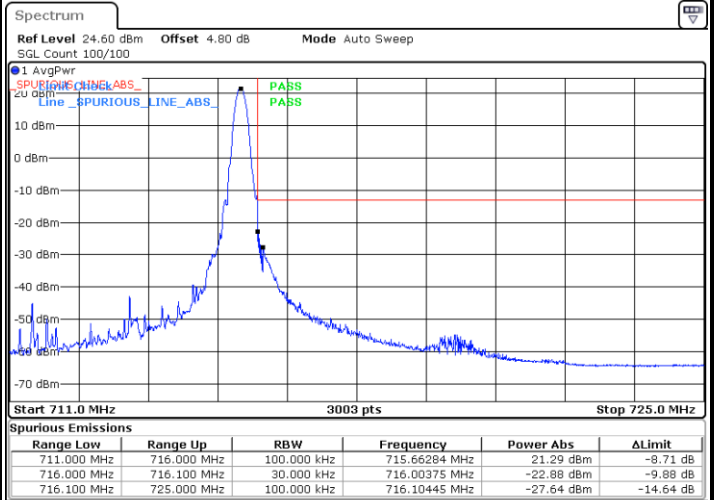
LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



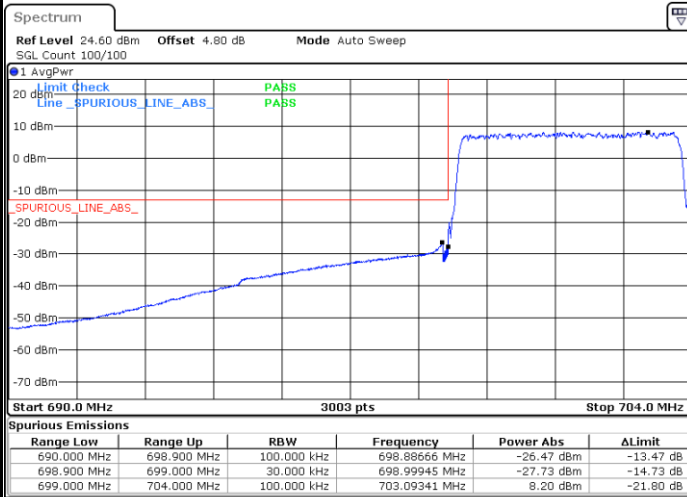
Date: 25.NOV.2021 05:30:35

Highest Band Edge / 1 RB



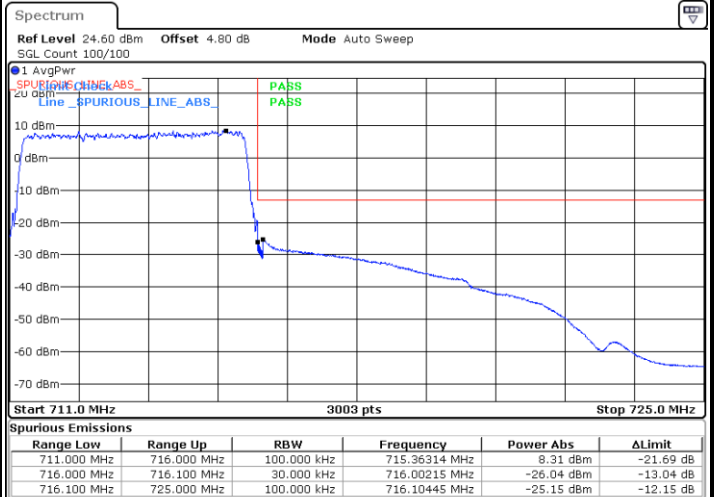
Date: 25.NOV.2021 05:39:53

Lowest Band Edge / Full RB



Date: 25.NOV.2021 05:29:12

Highest Band Edge / Full RB

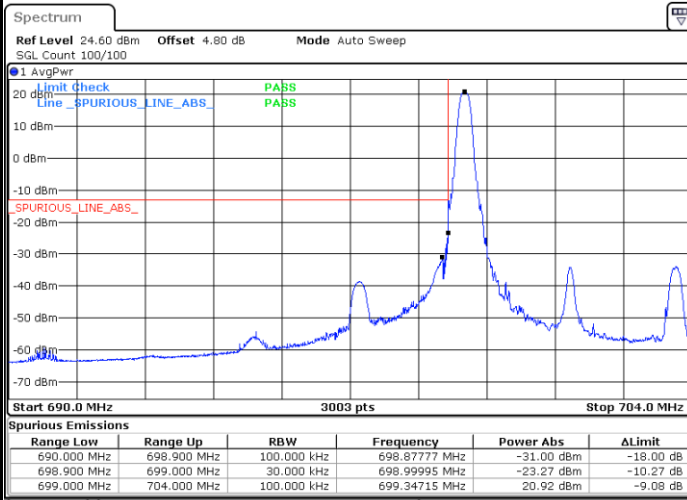


Date: 25.NOV.2021 05:37:06



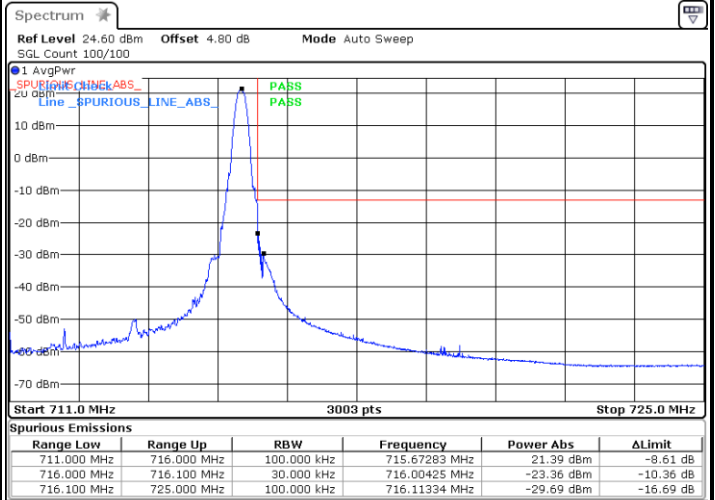
LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB



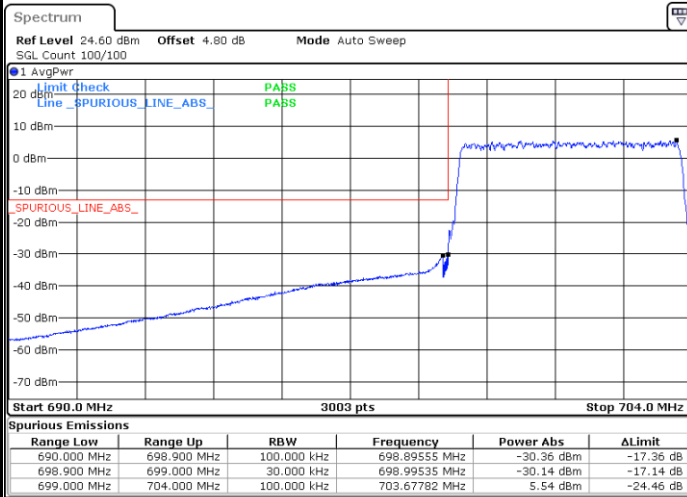
Date: 25.NOV.2021 07:23:48

Highest Band Edge / 1 RB



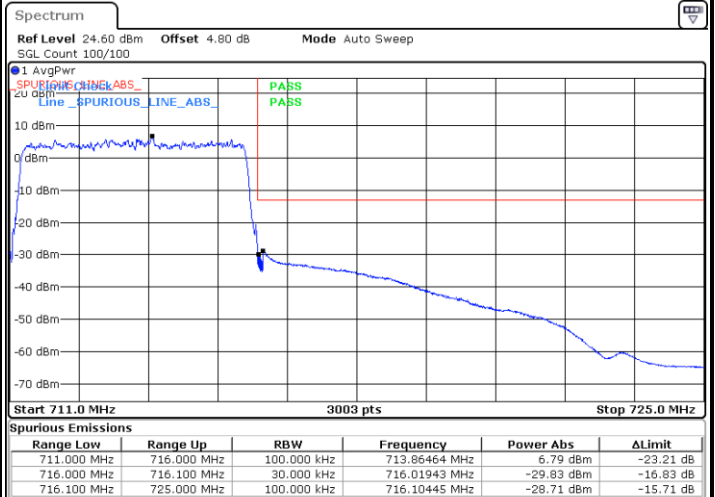
Date: 25.NOV.2021 07:25:16

Lowest Band Edge / Full RB



Date: 25.NOV.2021 06:13:16

Highest Band Edge / Full RB

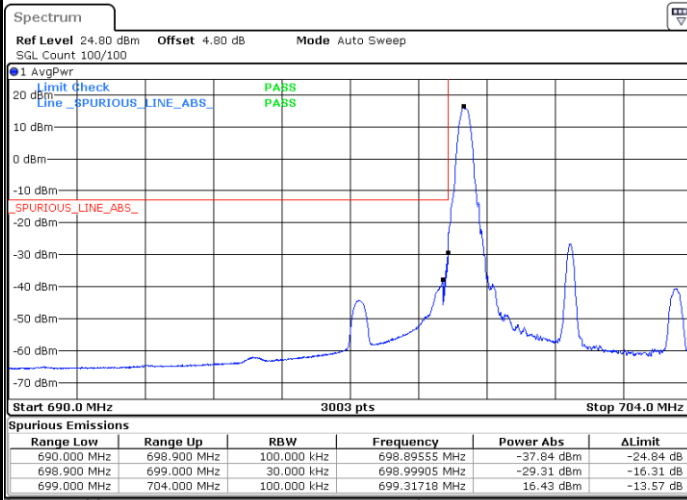


Date: 25.NOV.2021 06:18:25



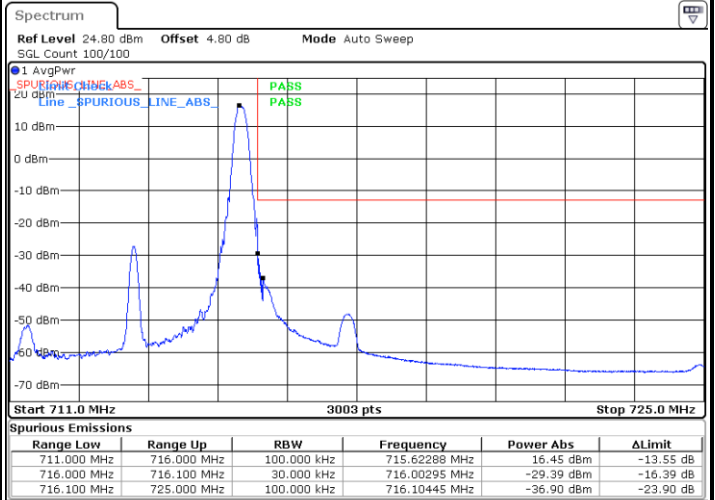
LTE Band 12 / 5MHz / 256QAM

Lowest Band Edge / 1 RB



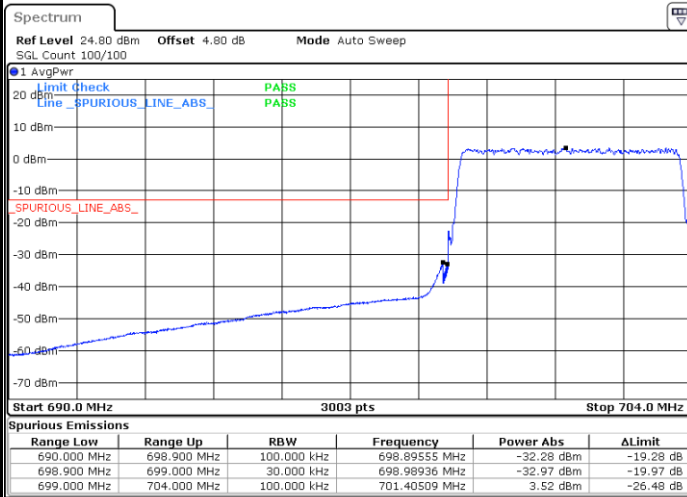
Date: 27.NOV.2021 01:18:57

Highest Band Edge / 1 RB



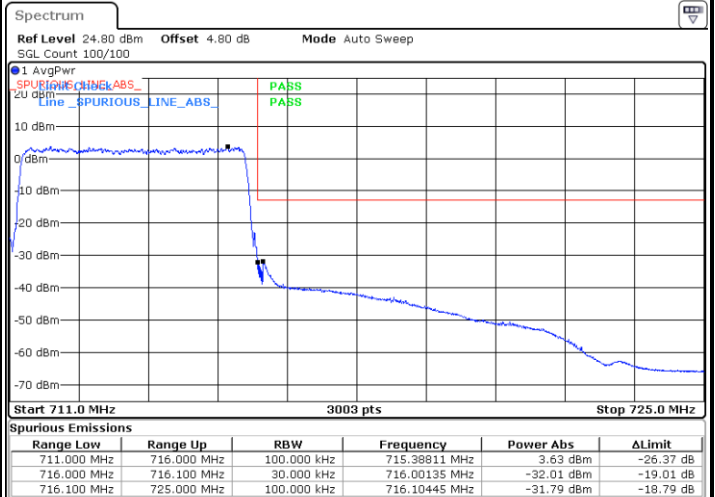
Date: 27.NOV.2021 01:20:48

Lowest Band Edge / Full RB



Date: 27.NOV.2021 01:18:08

Highest Band Edge / Full RB



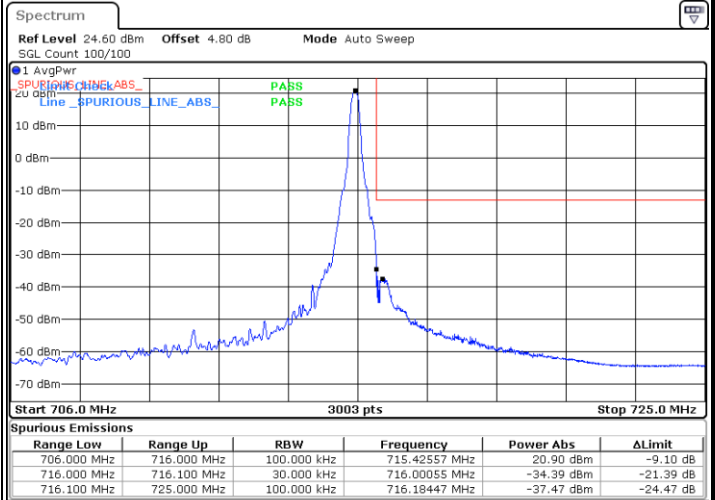
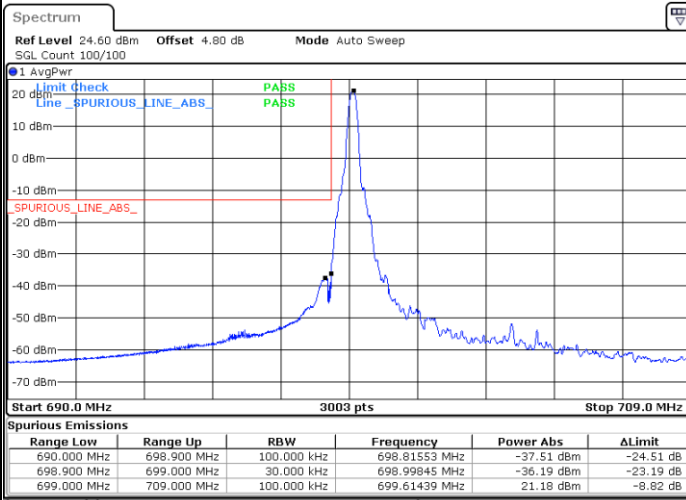
Date: 27.NOV.2021 01:25:20



LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

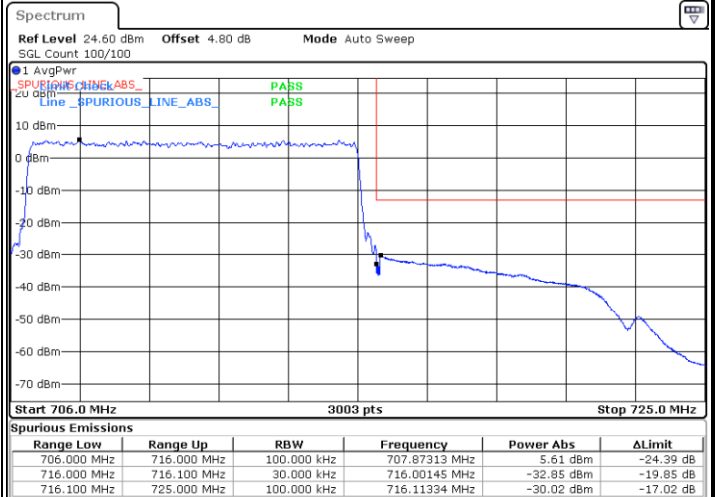
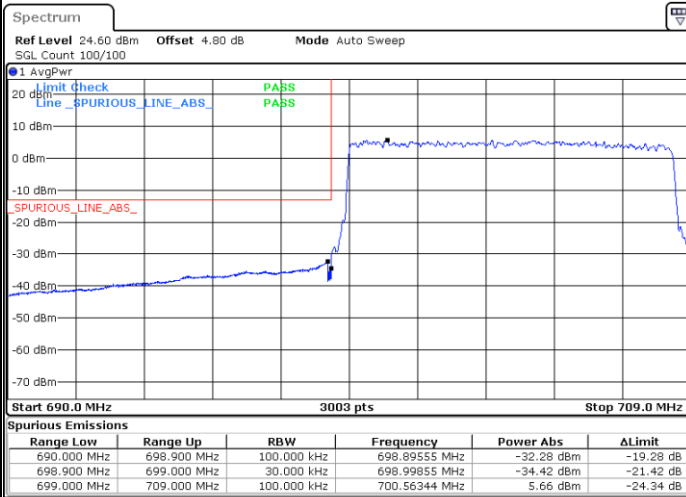


Date: 25.NOV.2021 05:45:28

Date: 25.NOV.2021 05:51:02

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



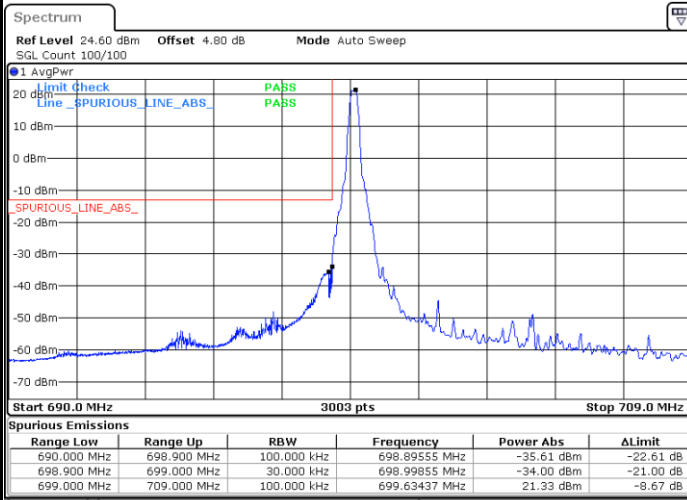
Date: 25.NOV.2021 05:41:18

Date: 25.NOV.2021 05:46:52



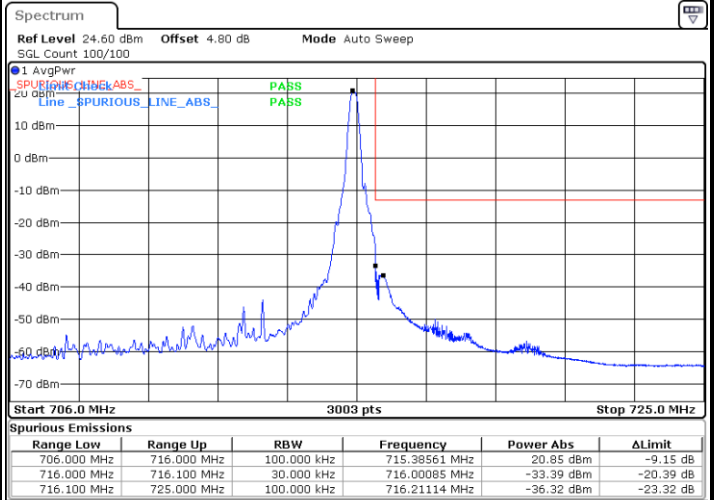
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



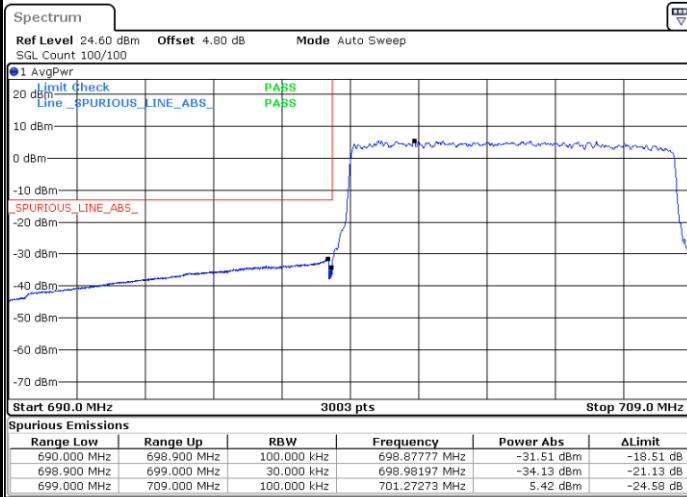
Date: 25.NOV.2021 05:44:05

Highest Band Edge / 1 RB



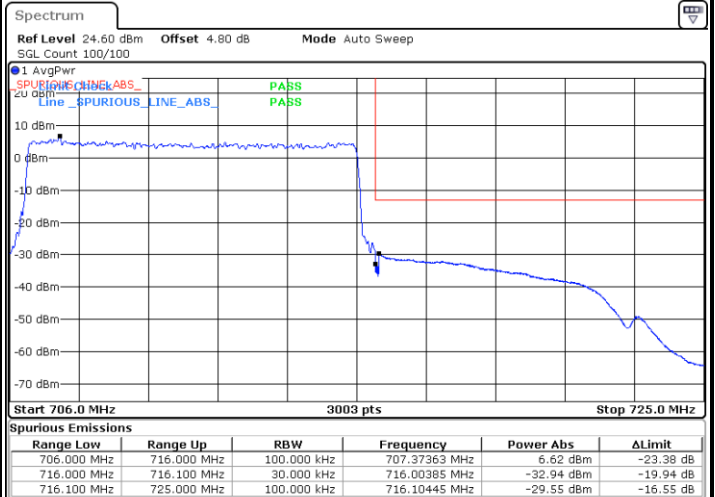
Date: 25.NOV.2021 05:49:39

Lowest Band Edge / Full RB



Date: 25.NOV.2021 05:42:41

Highest Band Edge / Full RB

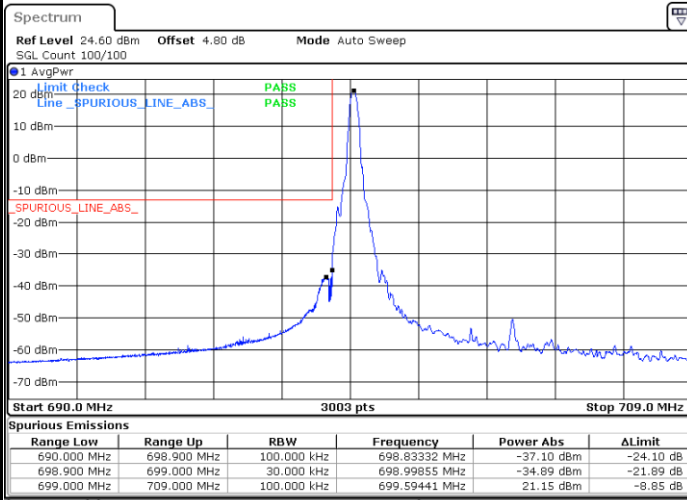


Date: 25.NOV.2021 05:48:15



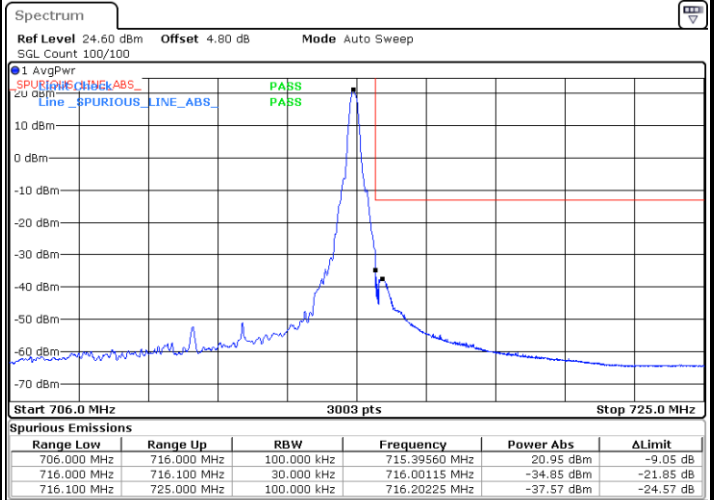
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



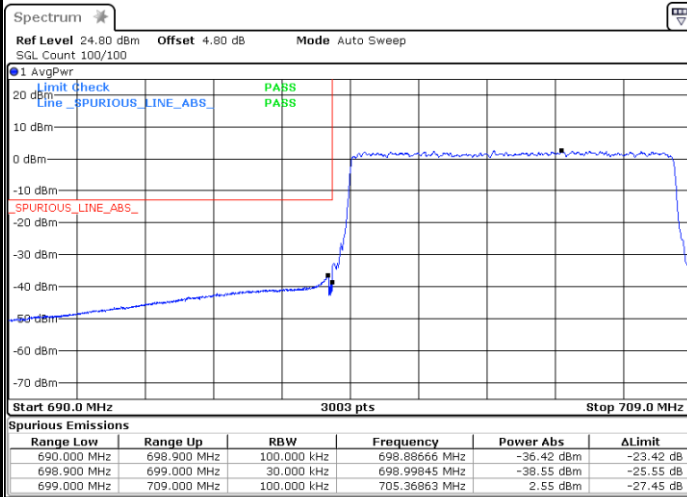
Date: 25.NOV.2021 07:30:44

Highest Band Edge / 1 RB



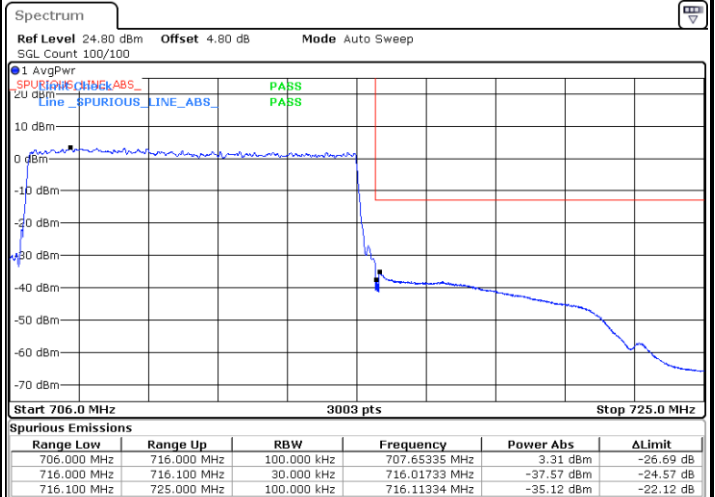
Date: 25.NOV.2021 06:26:21

Lowest Band Edge / Full RB



Date: 27.NOV.2021 02:35:55

Highest Band Edge / Full RB



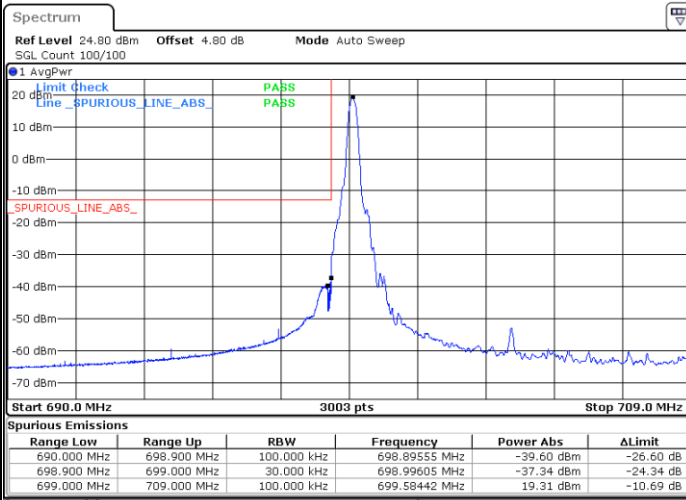
Date: 27.NOV.2021 15:12:24



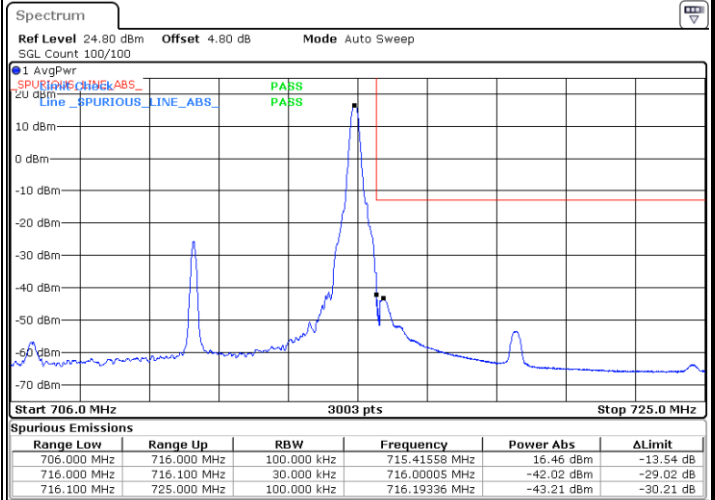
LTE Band 12 / 10MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



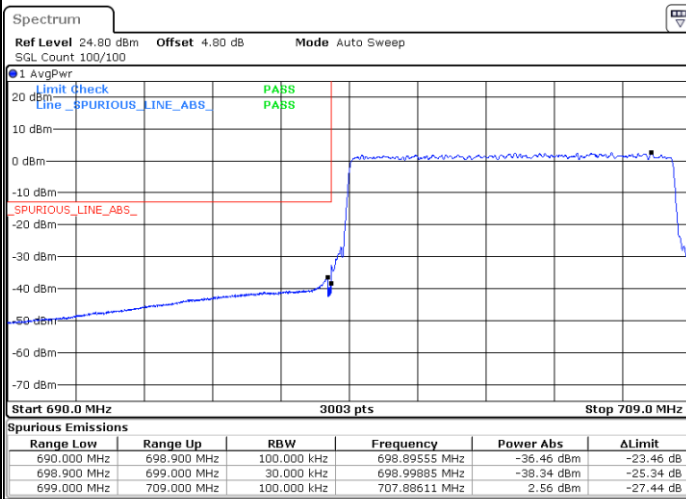
Date: 27.NOV.2021 01:29:38



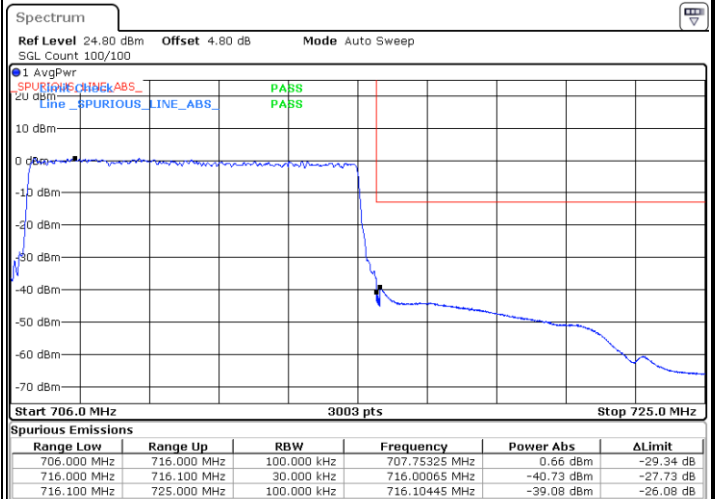
Date: 27.NOV.2021 01:31:53

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27.NOV.2021 01:27:47



Date: 27.NOV.2021 01:30:54



# Conducted Spurious Emission

