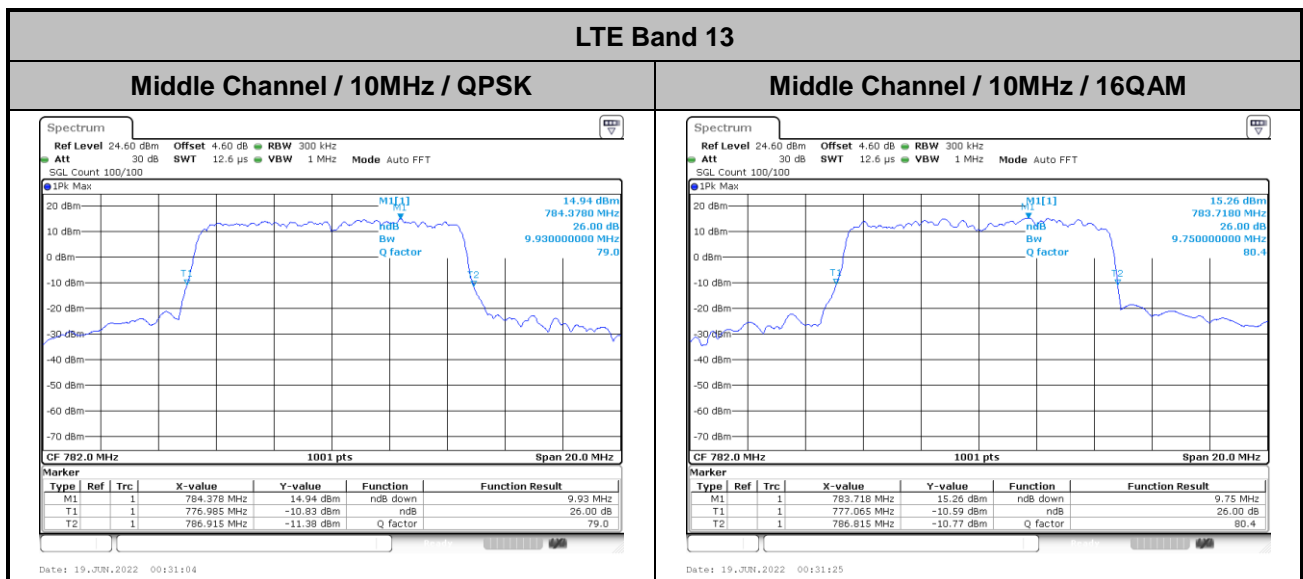




**26dB Bandwidth**

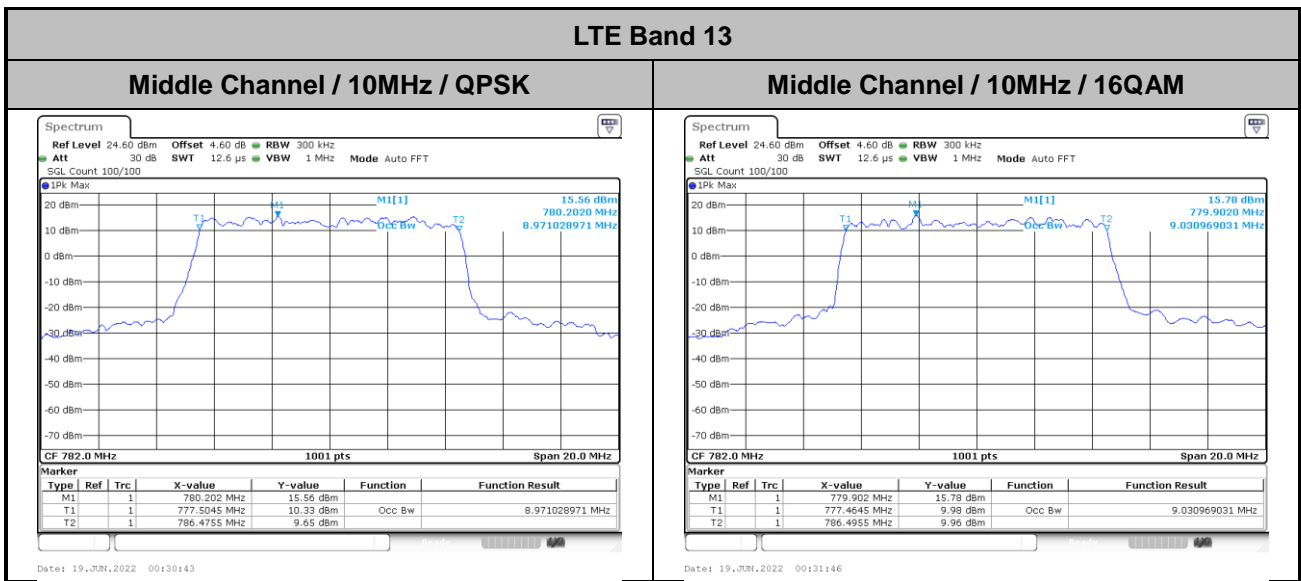
Mode	LTE Band 13 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.93	9.75





## Occupied Bandwidth

<b>Mode</b>	<b>LTE Band 13 : 99%OBW(MHz)</b>	
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	<b>8.97</b>	<b>9.03</b>

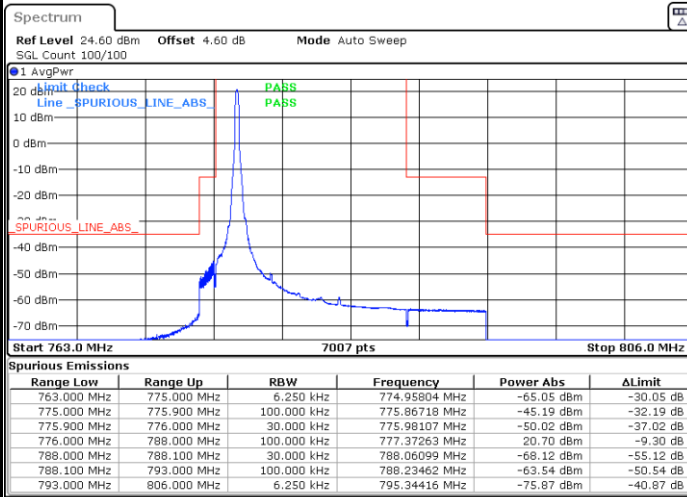




# Conducted Band Edge

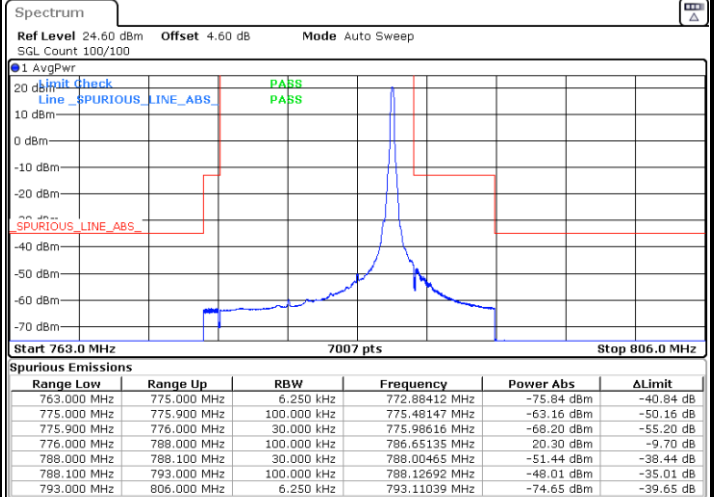
## LTE Band 13 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



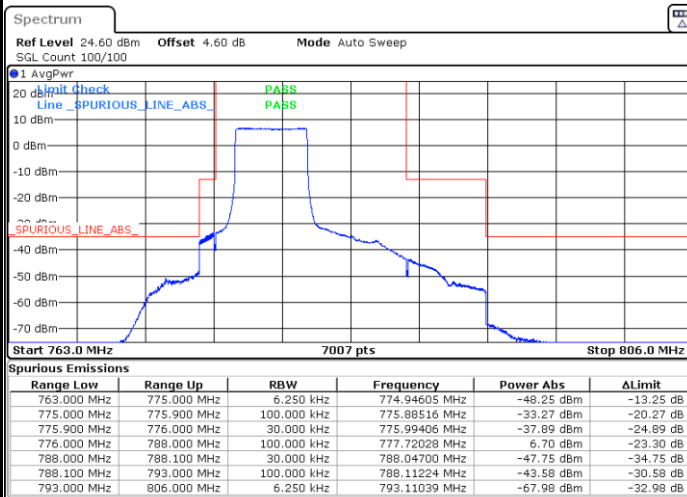
Date: 16 JUN 2022 06:00:50

### Highest Band Edge / 1 RB



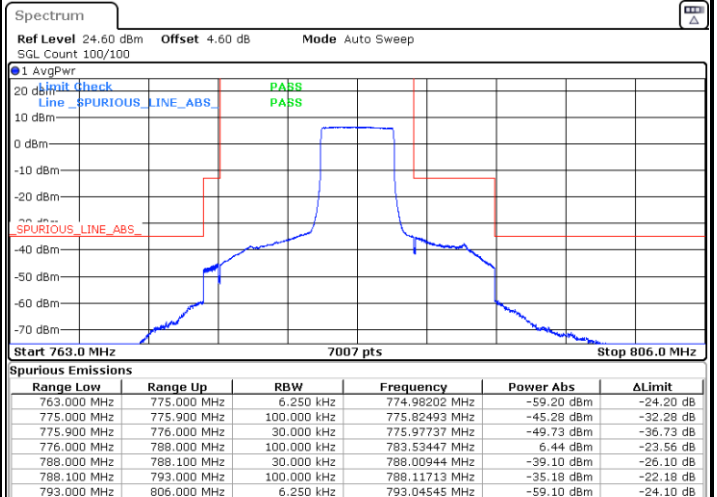
Date: 16 JUN 2022 06:15:37

### Lowest Band Edge / Full RB



Date: 16 JUN 2022 06:08:13

### Highest Band Edge / Full RB



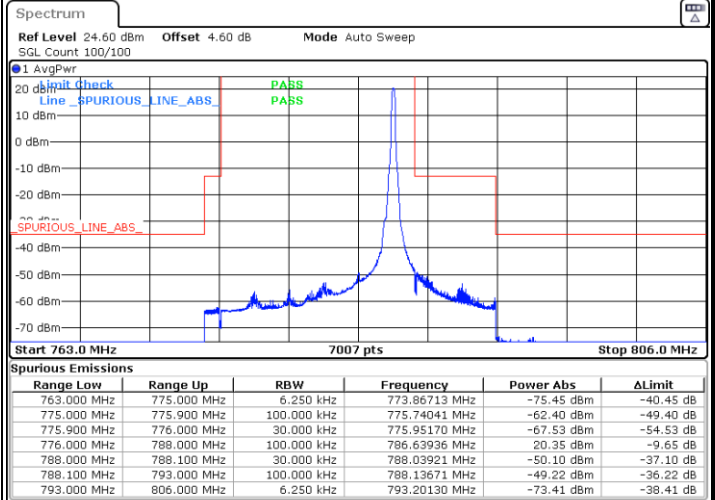
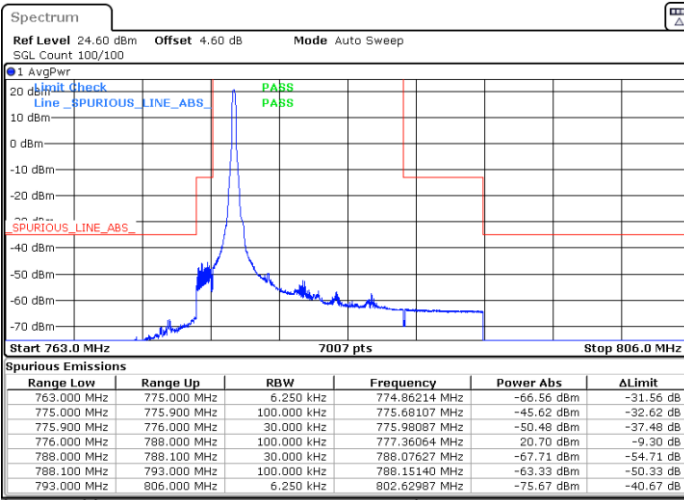
Date: 16 JUN 2022 06:23:01



LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

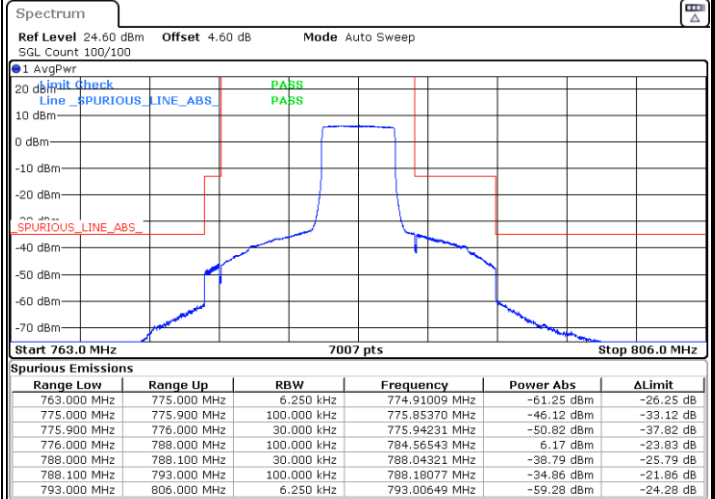
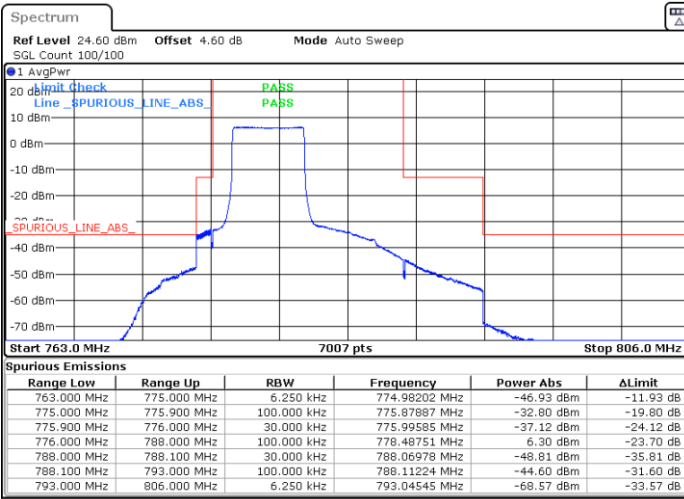


Date: 16 JUN 2022 06:02:41

Date: 16 JUN 2022 06:17:28

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



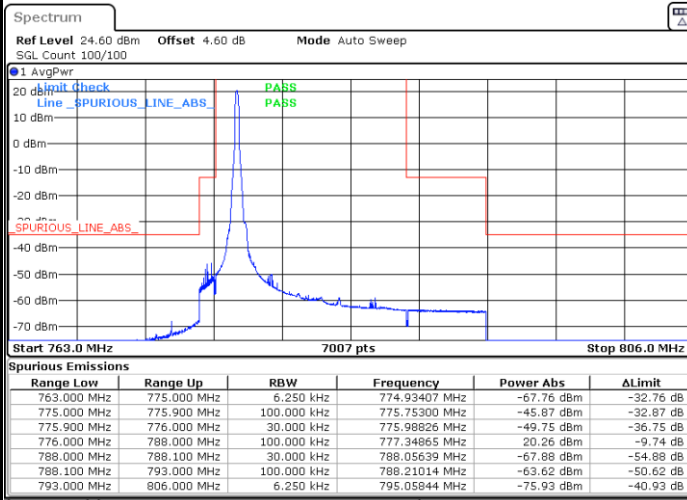
Date: 16 JUN 2022 06:10:04

Date: 16 JUN 2022 06:24:51



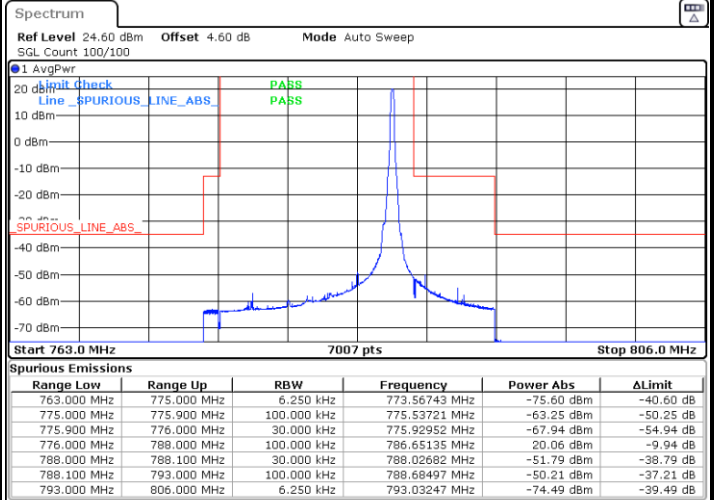
LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1RB



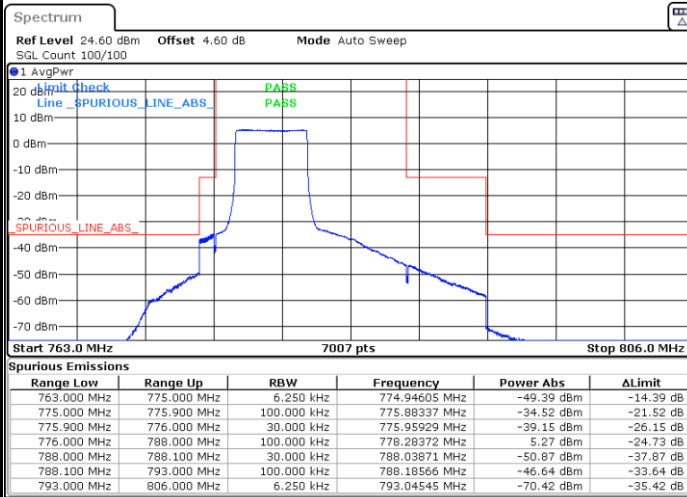
Date: 16 JUN 2022 06:04:32

Highest Band Edge / 1 RB



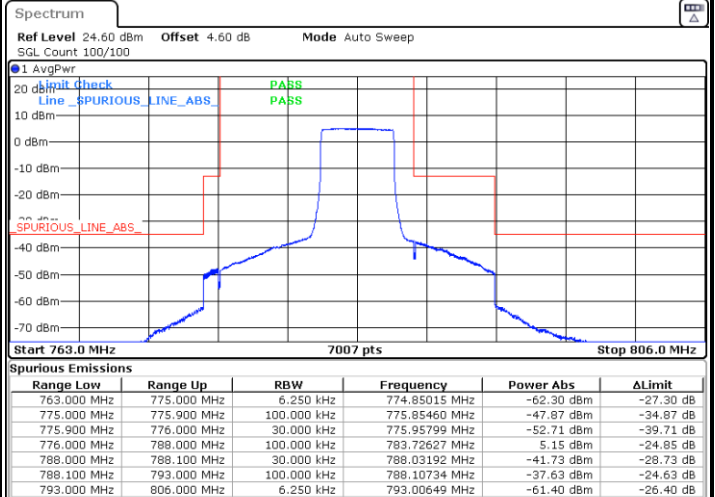
Date: 16 JUN 2022 06:19:19

Lowest Band Edge / Full RB



Date: 16 JUN 2022 06:11:55

Highest Band Edge / Full RB

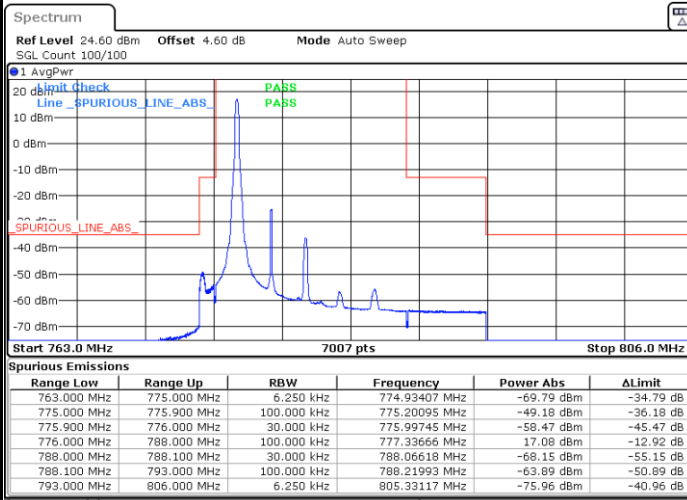


Date: 16 JUN 2022 06:26:42



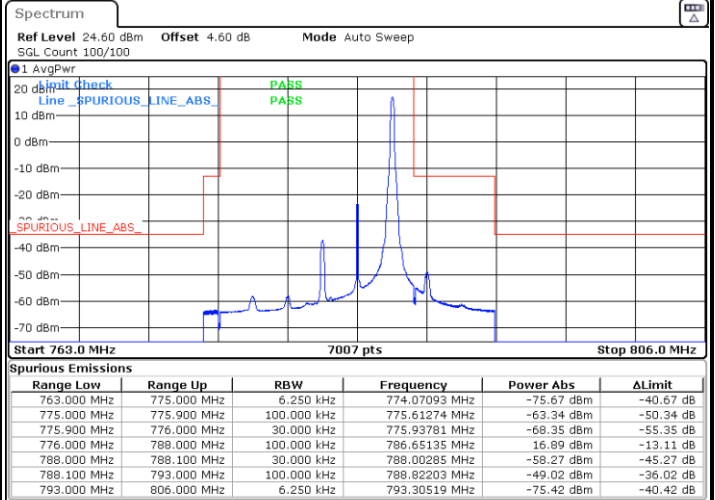
LTE Band 13 / 5MHz / 256QAM

Lowest Band Edge / 1RB



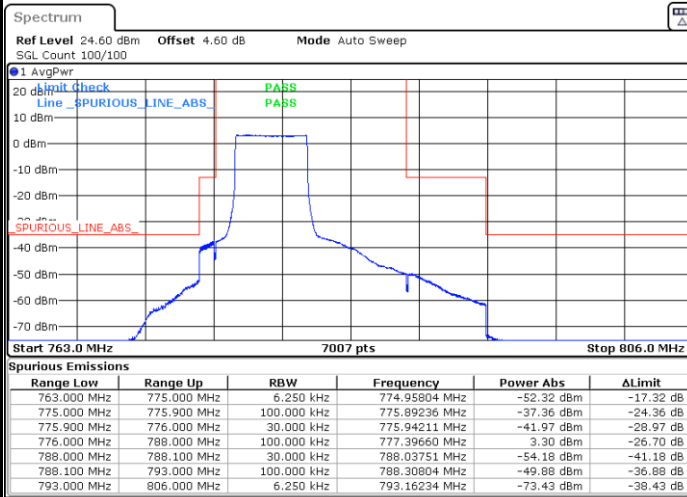
Date: 16 JUN 2022 06:06:23

Highest Band Edge / 1 RB



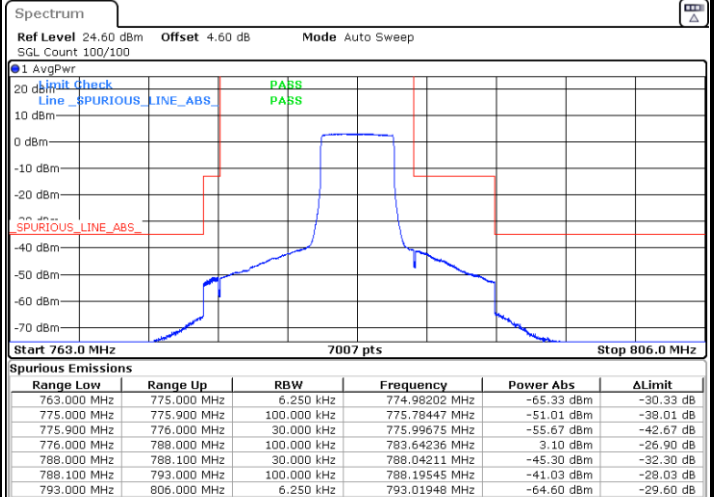
Date: 16 JUN 2022 06:21:09

Lowest Band Edge / Full RB



Date: 16 JUN 2022 06:13:46

Highest Band Edge / Full RB



Date: 16 JUN 2022 06:28:33

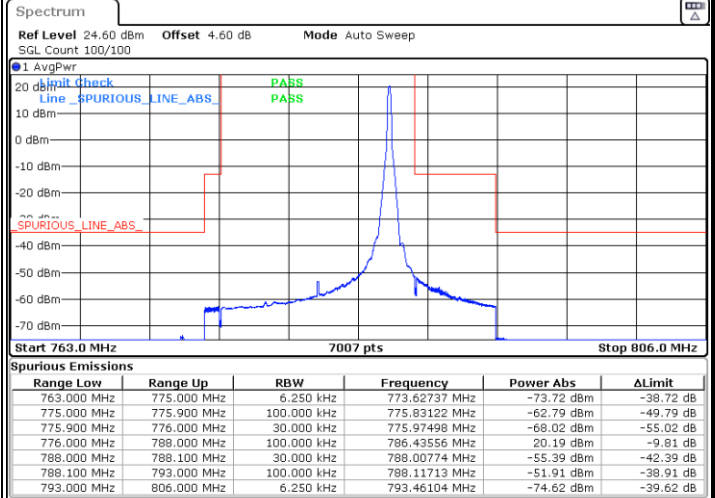
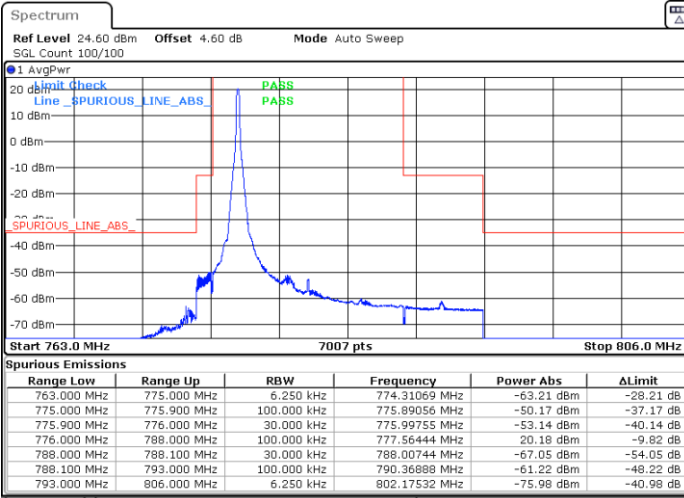




LTE Band 13 / 10MHz / QPSK

middle Band Edge / 1 RB

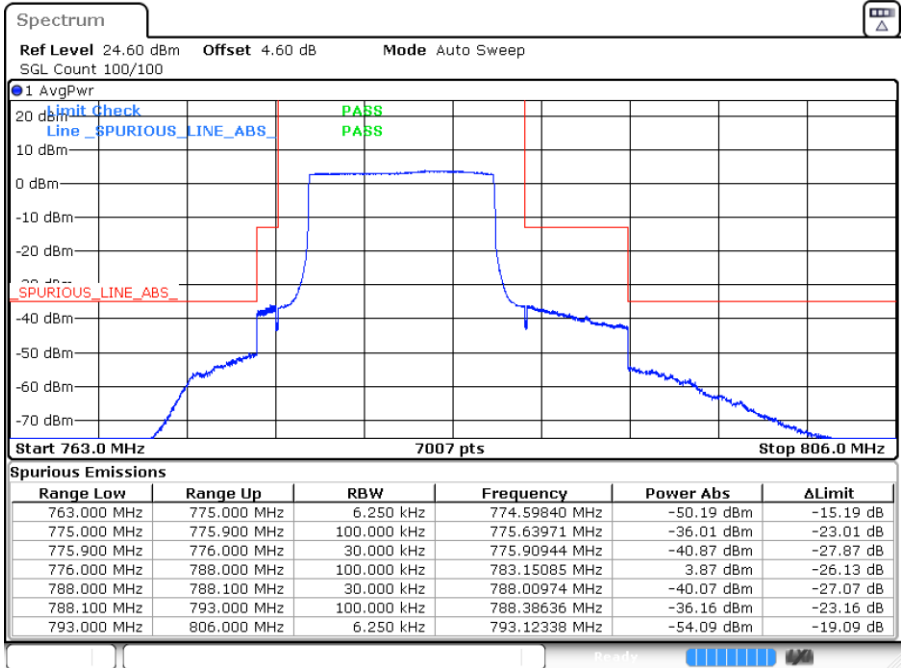
middle Band Edge / 1 RB



Date: 16 JUN 2022 06:30:27

Date: 16 JUN 2022 06:37:47

Middle Band Edge / Full RB

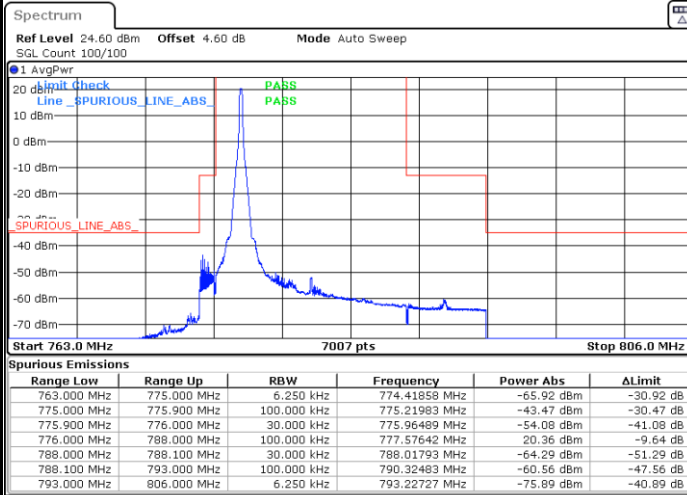


Date: 16 JUN 2022 06:45:09



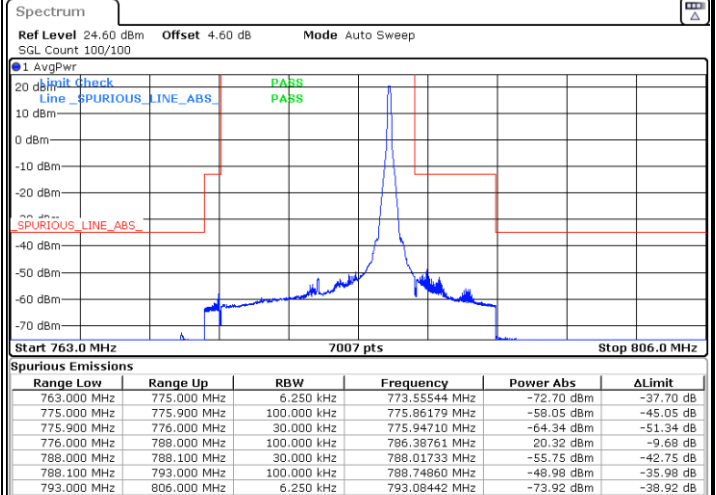
LTE Band 13 / 10MHz / 16QAM

middle Band Edge / 1 RB



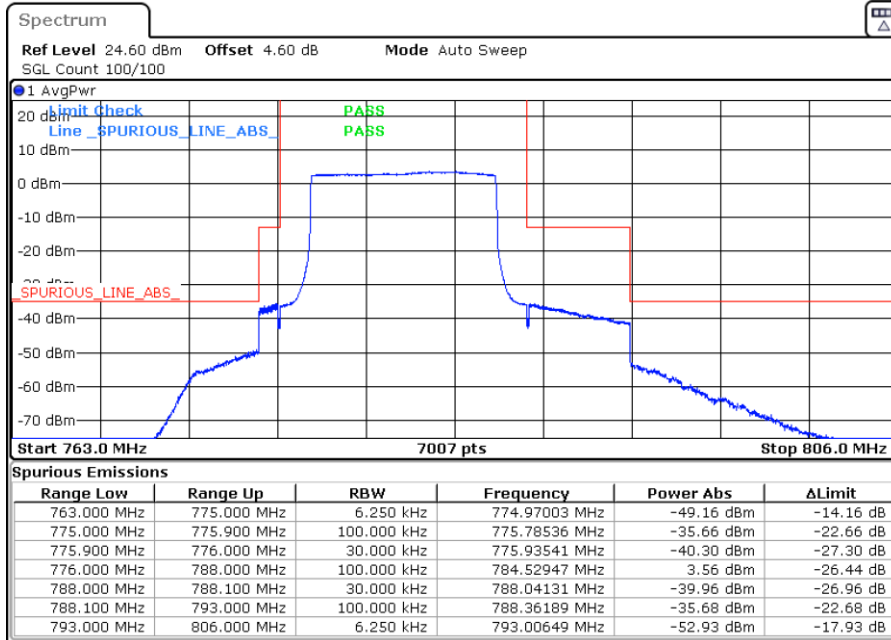
Date: 16 JUN 2022 06:32:17

middle Band Edge / 1 RB



Date: 16 JUN 2022 06:39:38

middle Band Edge / Full RB

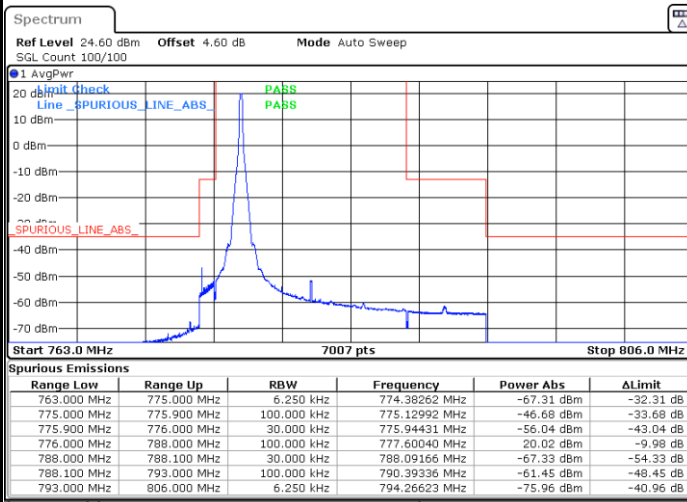


Date: 16 JUN 2022 06:46:59



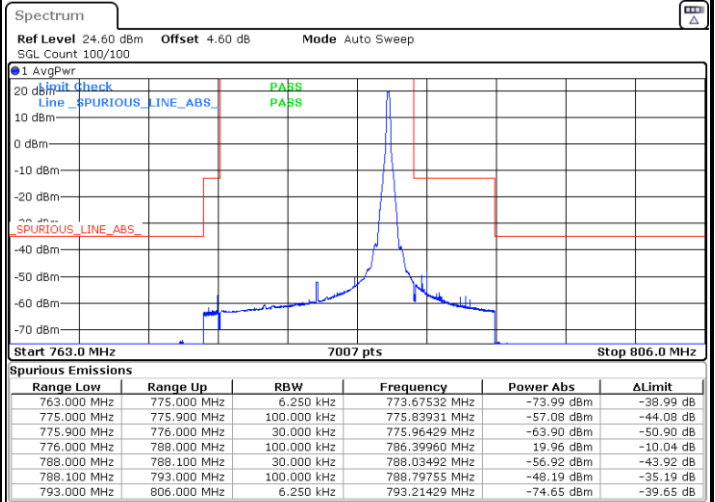
LTE Band 13 / 10MHz / 64QAM

middle Band Edge / 1 RB



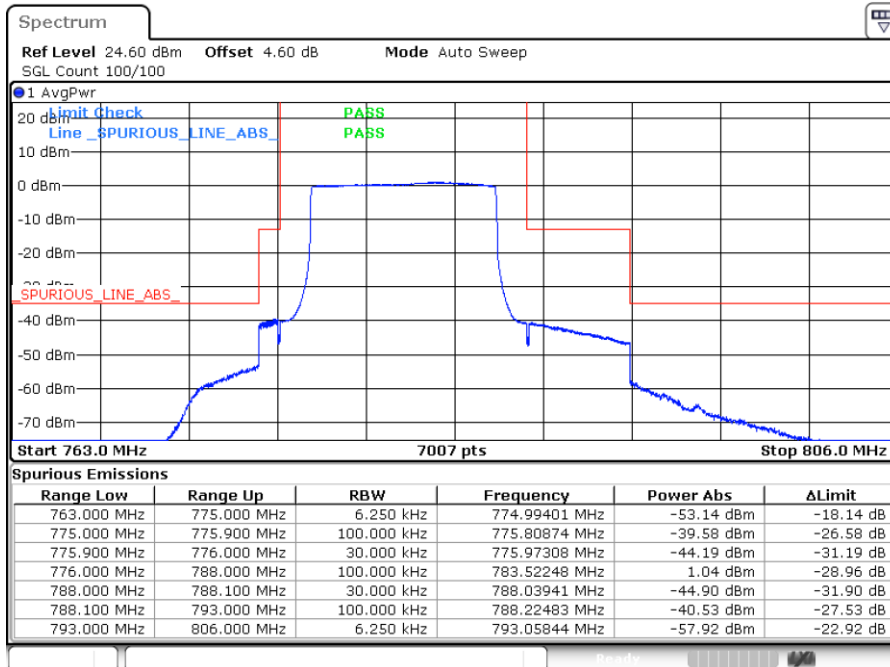
Date: 16 JUN 2022 06:34:07

middle Band Edge / 1 RB



Date: 16 JUN 2022 06:41:28

middle Band Edge / Full RB



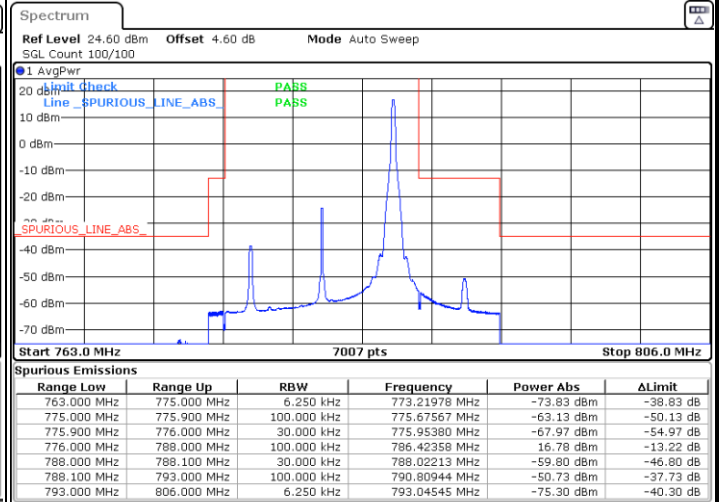
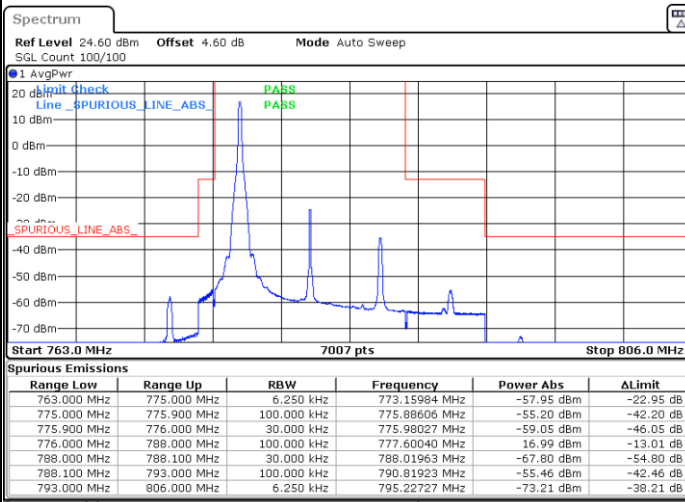
Date: 19 JUN 2022 00:30:21



LTE Band 13 / 10MHz / 256QAM

middle Band Edge / 1 RB

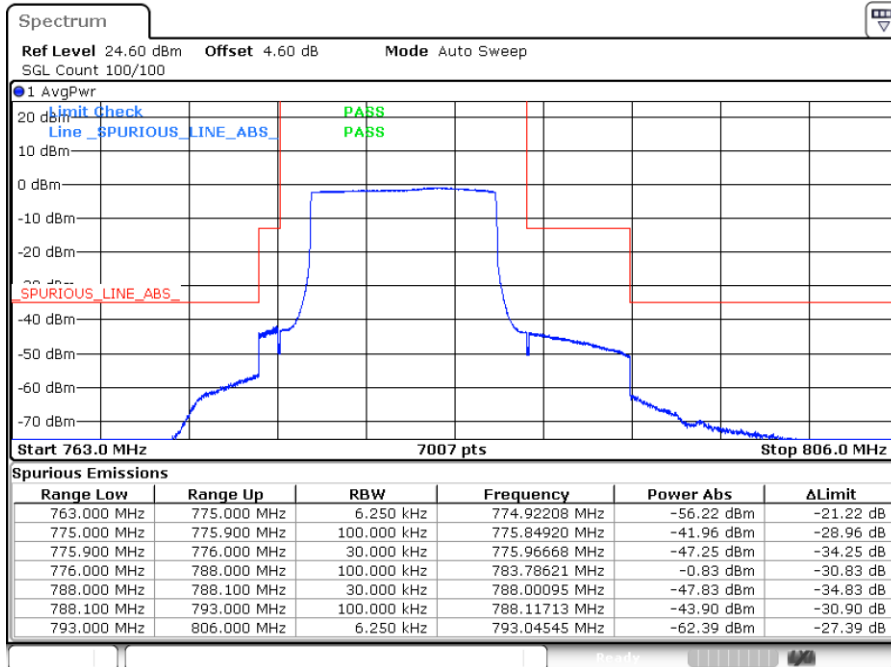
middle Band Edge / 1 RB



Date: 16 JUN 2022 06:35:57

Date: 16 JUN 2022 06:43:18

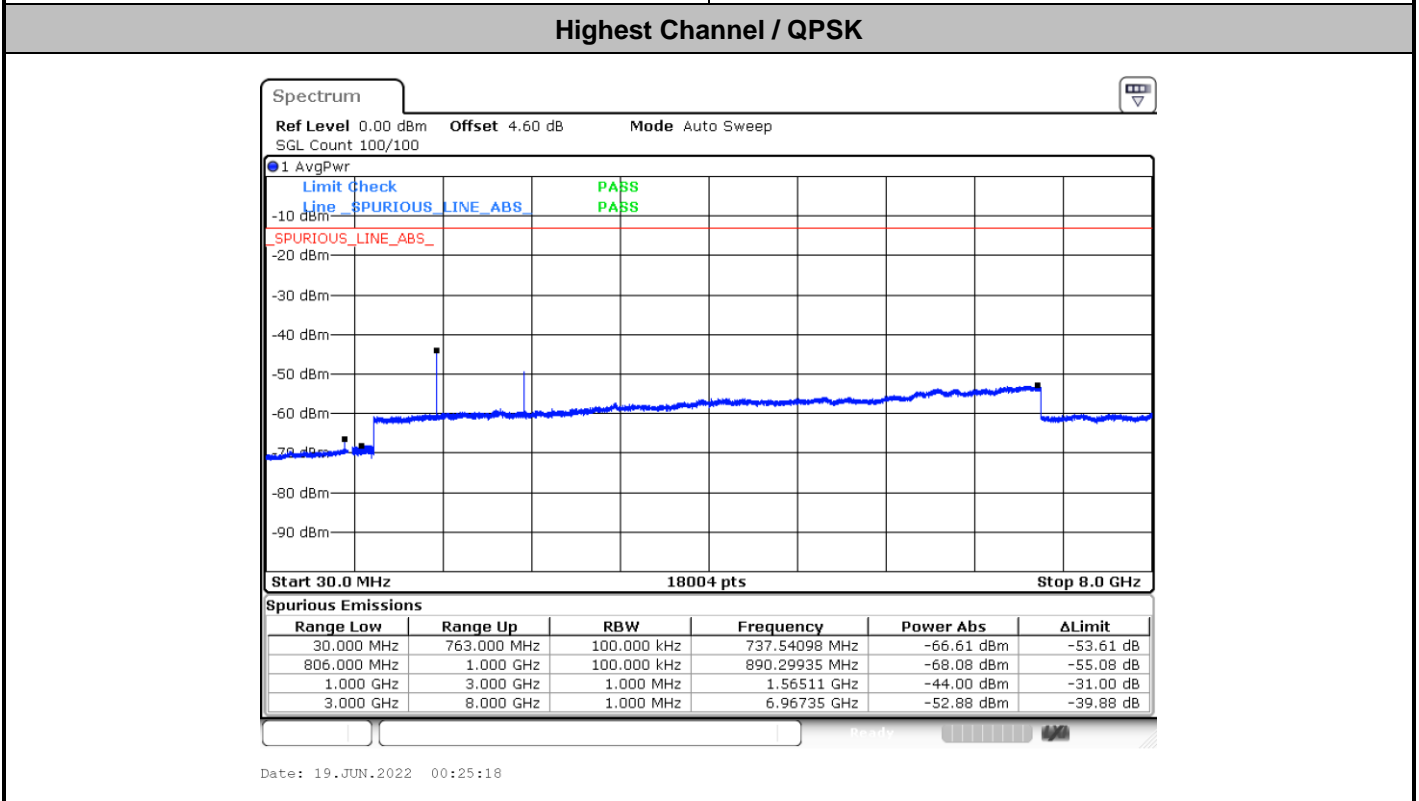
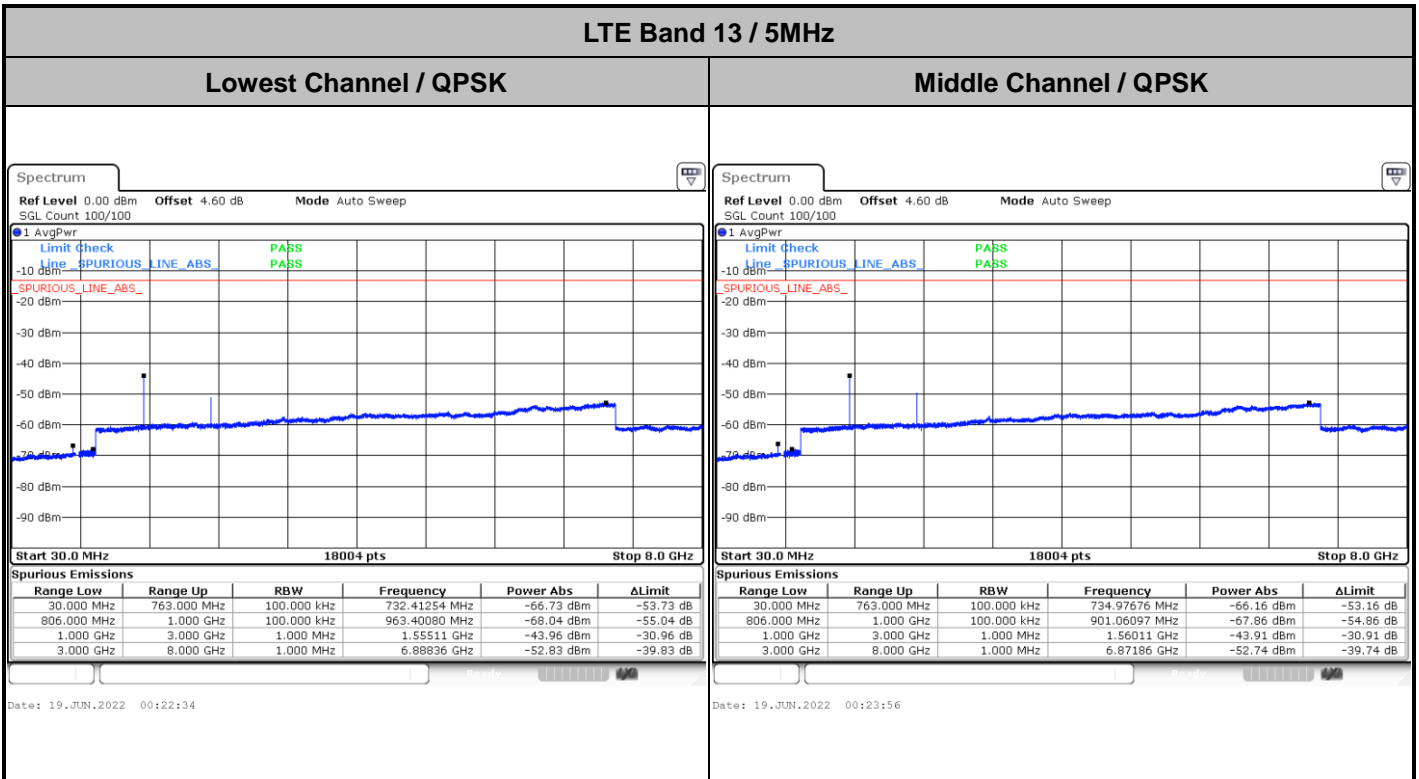
middle Band Edge / Full RB



Date: 19 JUN 2022 00:28:31



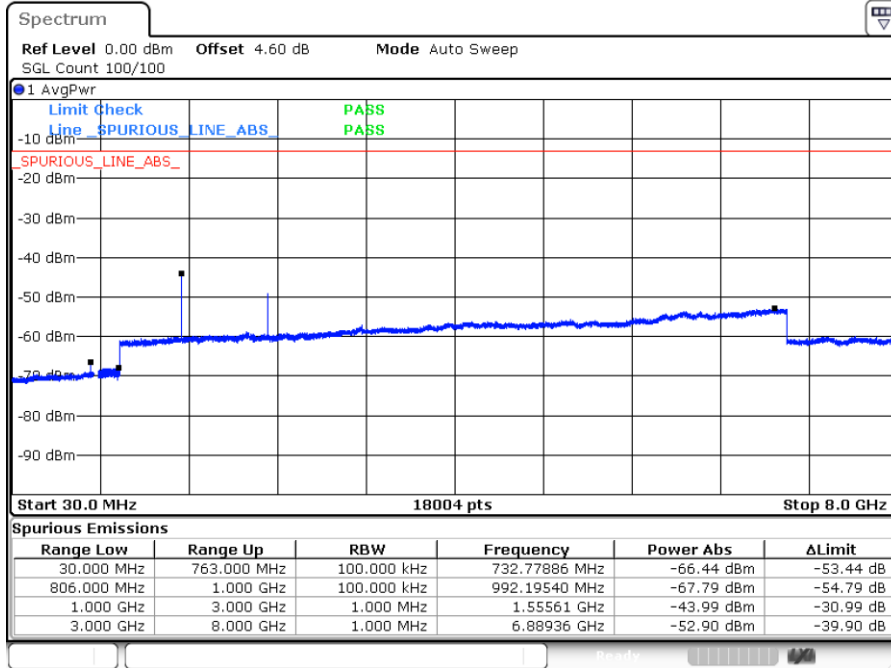
# Conducted Spurious Emission





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 19.JUN.2022 00:26:41



### Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0011	
20	Battery End Point	0.0008	

**Note:**

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

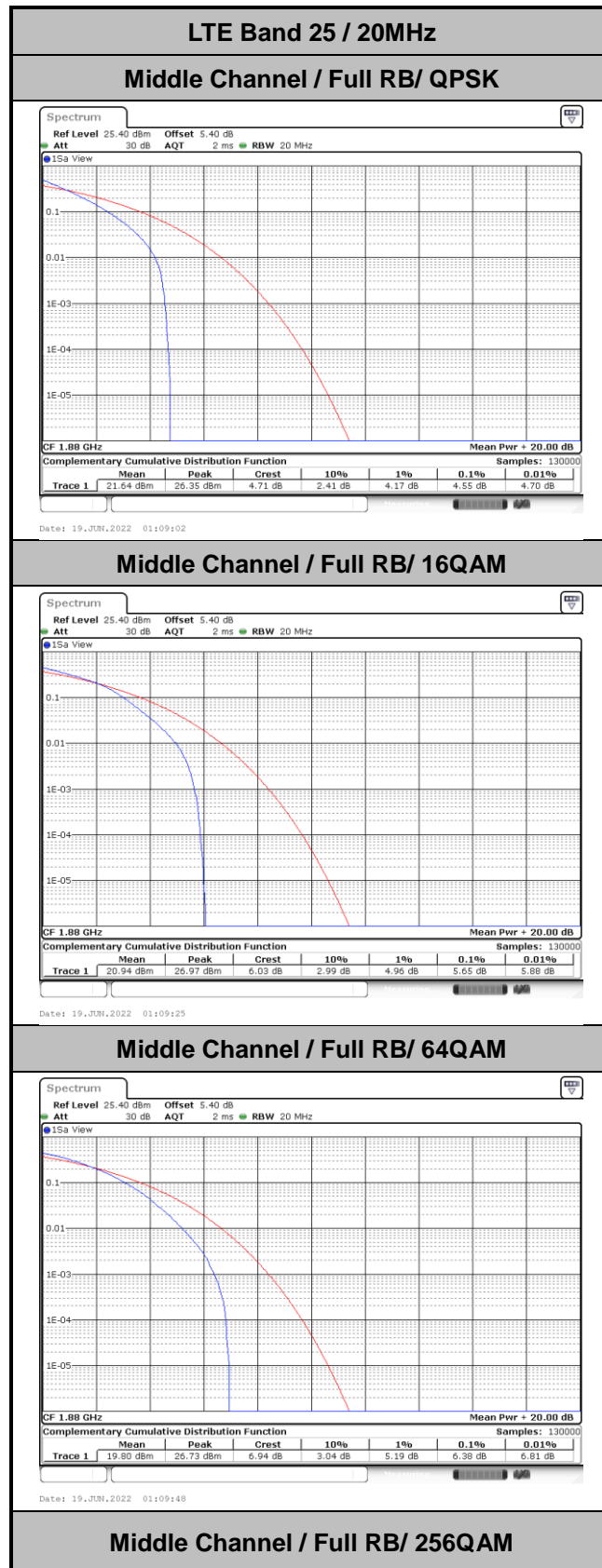


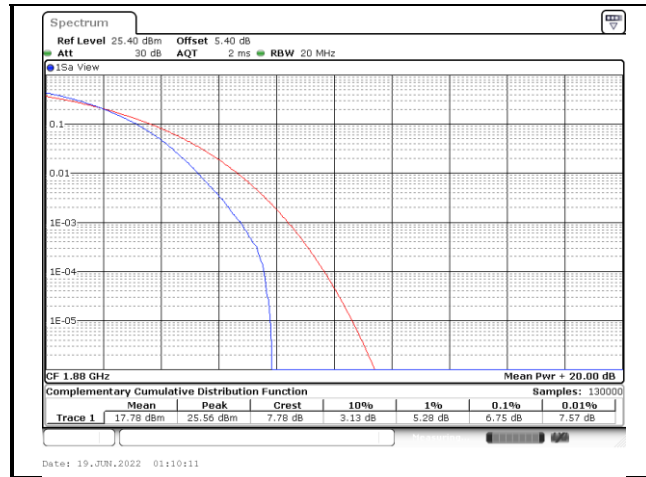
## LTE Band 25

### Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.55	5.65	6.38	6.75	PASS



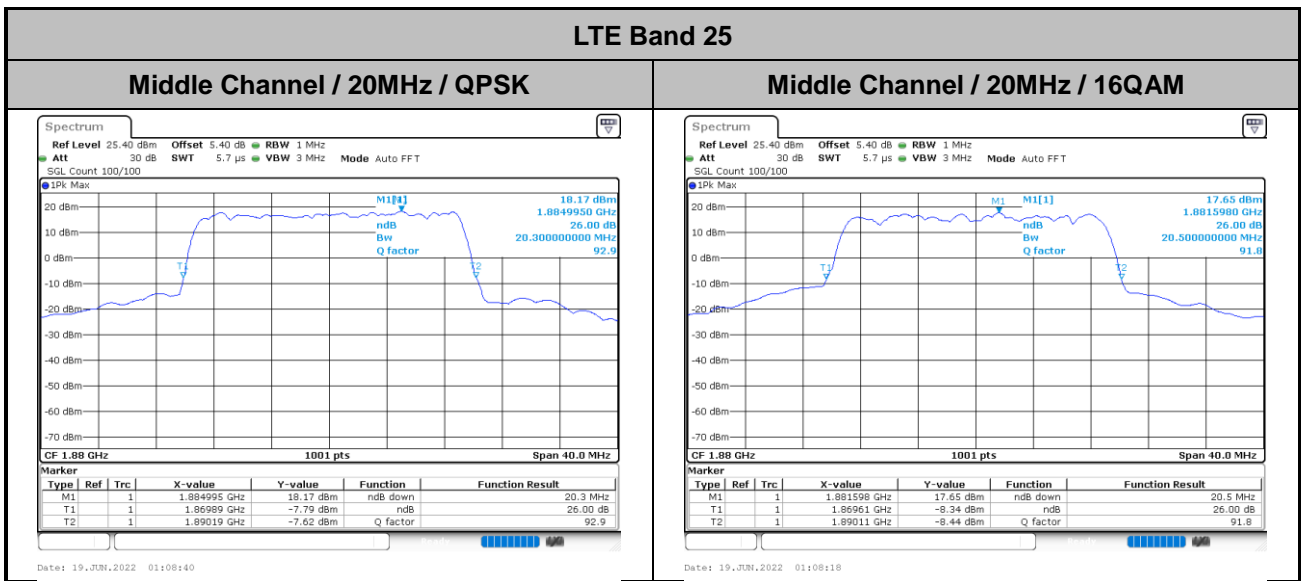






## 26dB Bandwidth

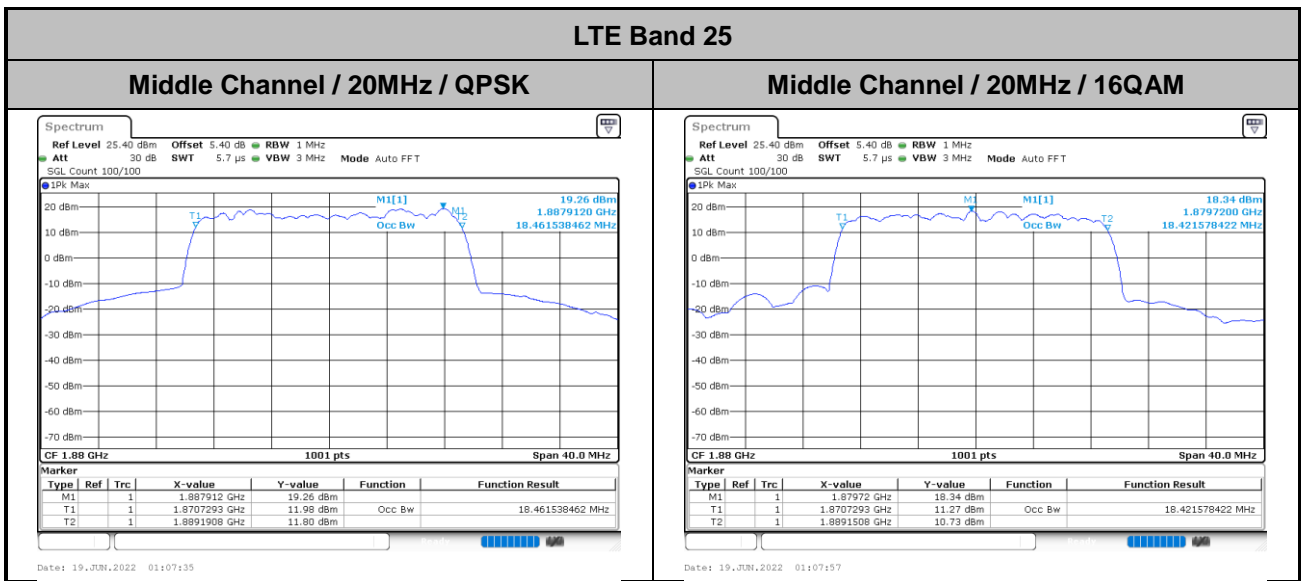
<b>Mode</b>	<b>LTE Band 25 : 26dB BW(MHz)</b>	
<b>BW</b>	<b>20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	20.30	20.50





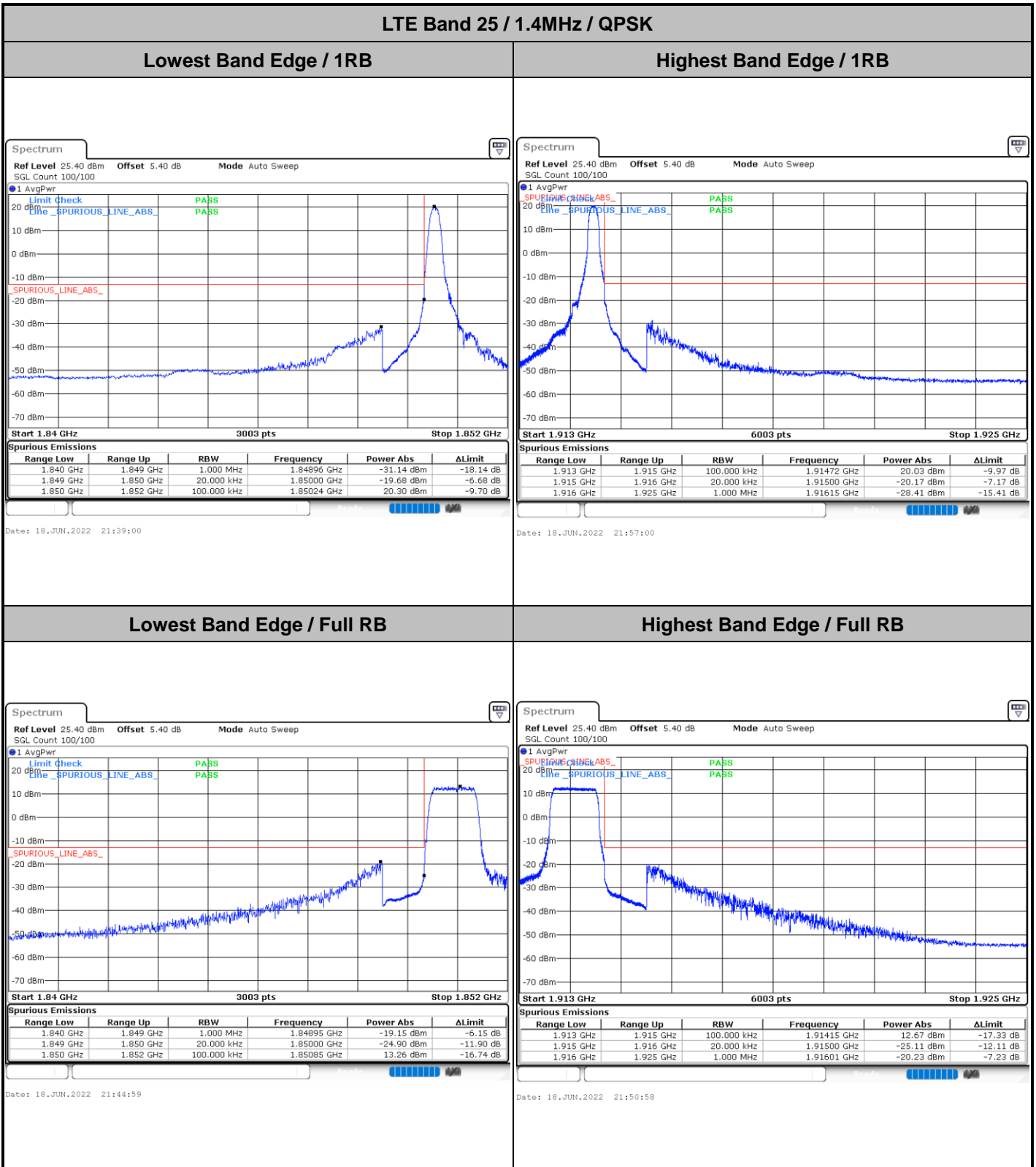
## Occupied Bandwidth

<b>Mode</b>	<b>LTE Band 25 : 99%OBW(MHz)</b>	
<b>BW</b>	<b>20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	18.46	18.42





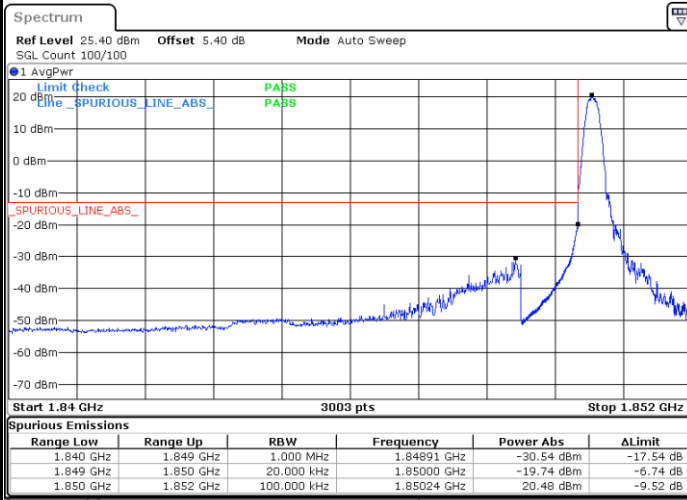
# Conducted Band Edge





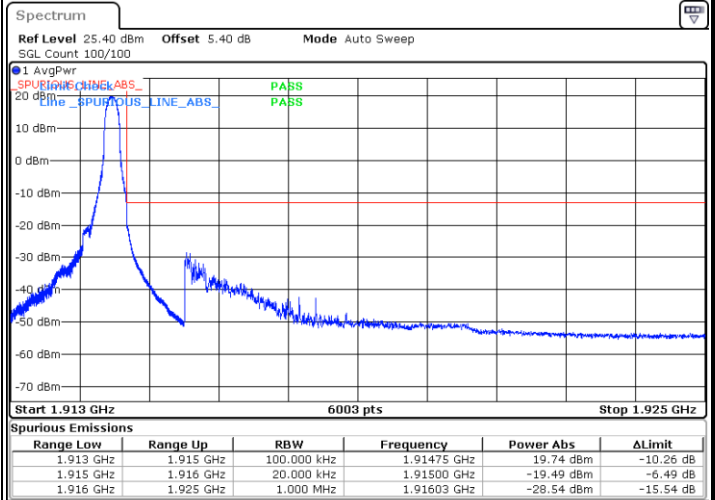
LTE Band 25 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



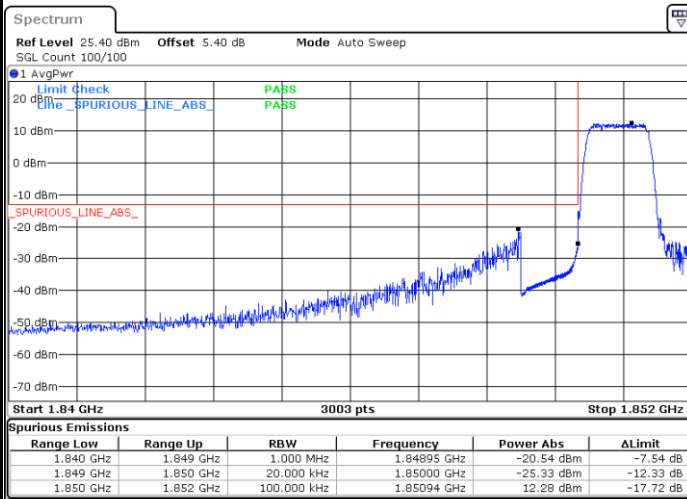
Date: 18 JUN 2022 21:40:30

Highest Band Edge / 1 RB



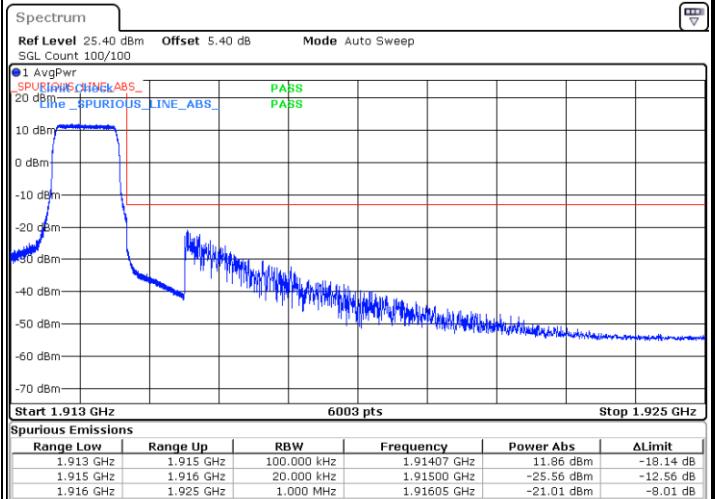
Date: 18 JUN 2022 21:58:30

Lowest Band Edge / Full RB



Date: 18 JUN 2022 21:46:29

Highest Band Edge / Full RB

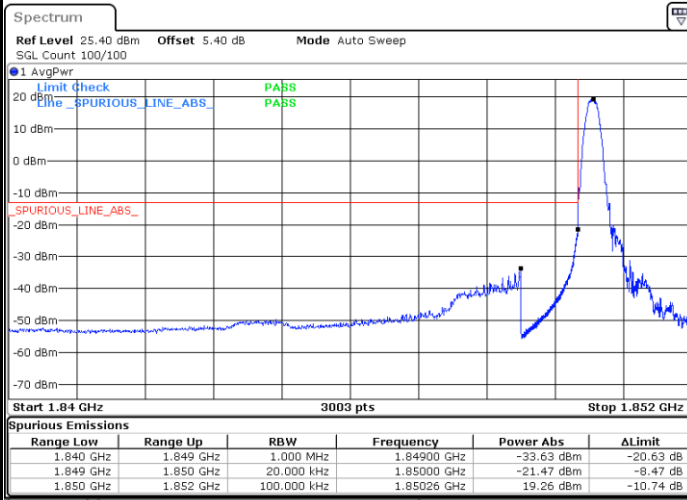


Date: 18 JUN 2022 21:52:28



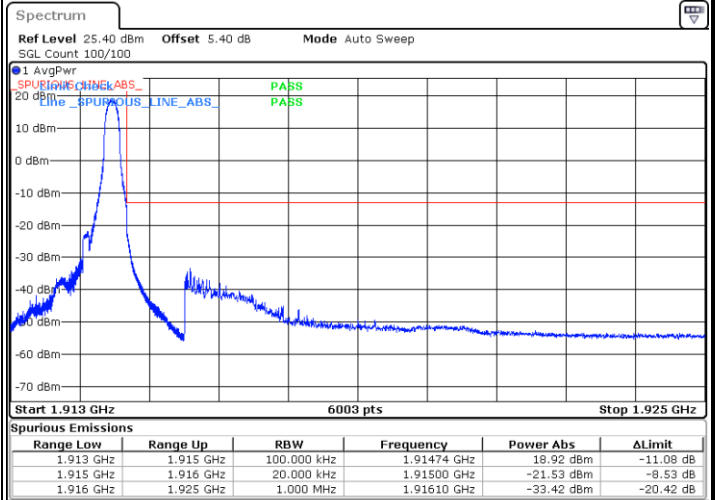
LTE Band 25 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



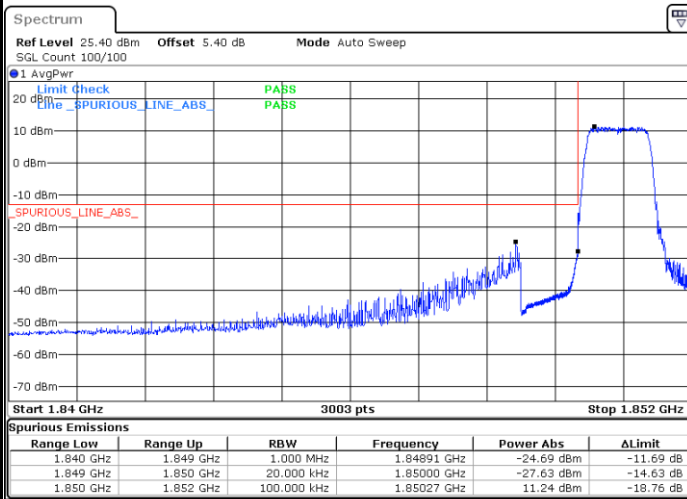
Date: 18 JUN 2022 21:42:00

Highest Band Edge / 1 RB



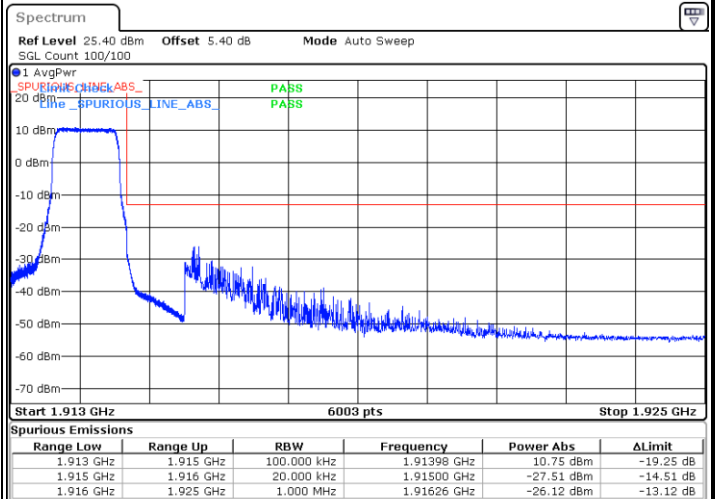
Date: 18 JUN 2022 22:00:00

Lowest Band Edge / Full RB



Date: 18 JUN 2022 21:47:59

Highest Band Edge / Full RB



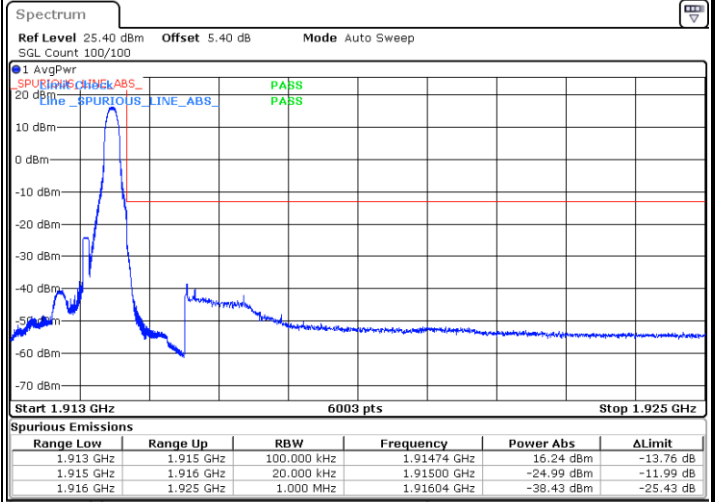
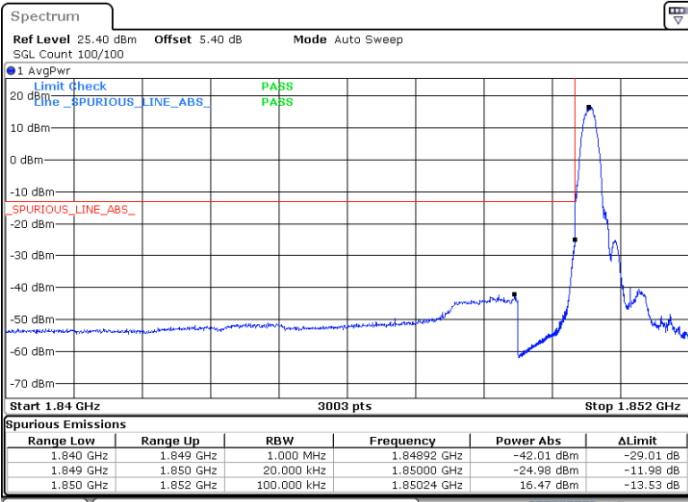
Date: 18 JUN 2022 21:53:58



LTE Band 25 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

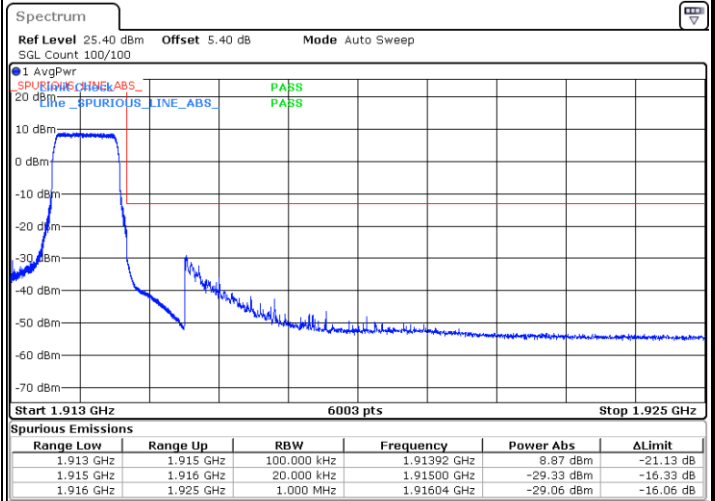
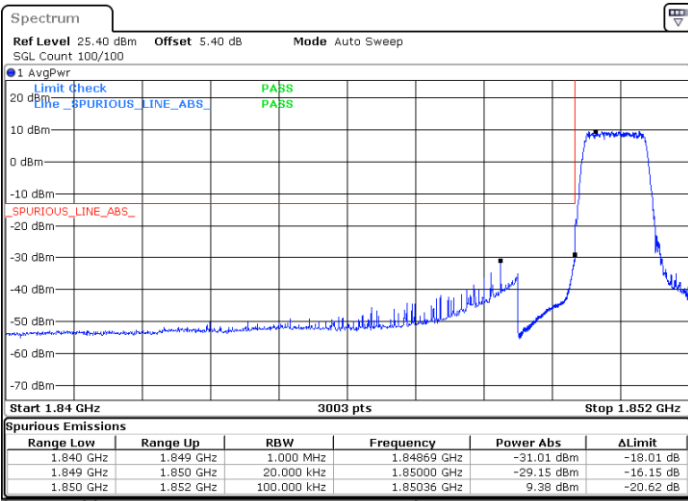


Date: 18.JUN.2022 21:43:30

Date: 18.JUN.2022 22:01:30

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 18.JUN.2022 21:49:29

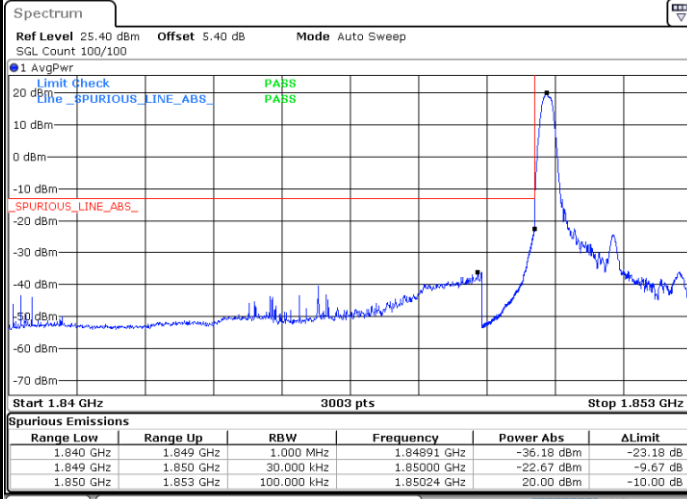
Date: 18.JUN.2022 21:55:28





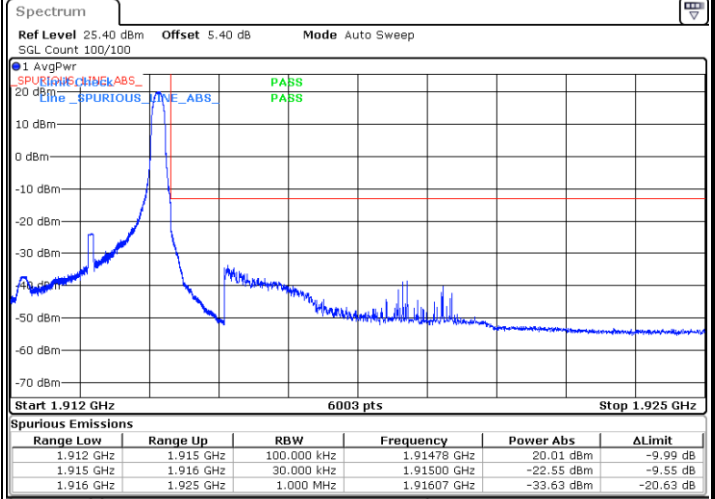
LTE Band 25 / 3MHz / QPSK

Lowest Band Edge / 1RB



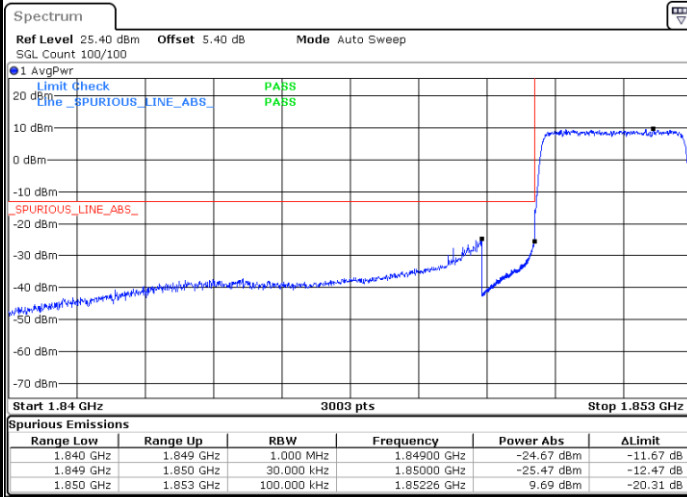
Date: 18 JUN 2022 22:04:18

Highest Band Edge / 1 RB



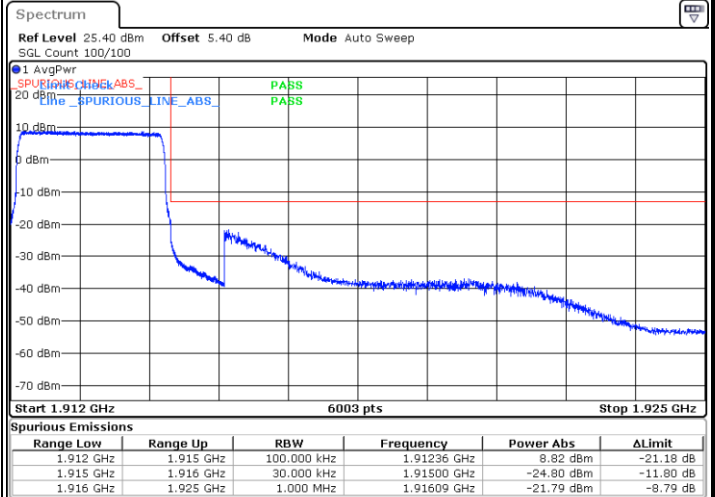
Date: 18 JUN 2022 22:22:18

Lowest Band Edge / Full RB



Date: 18 JUN 2022 22:10:17

Highest Band Edge / Full RB

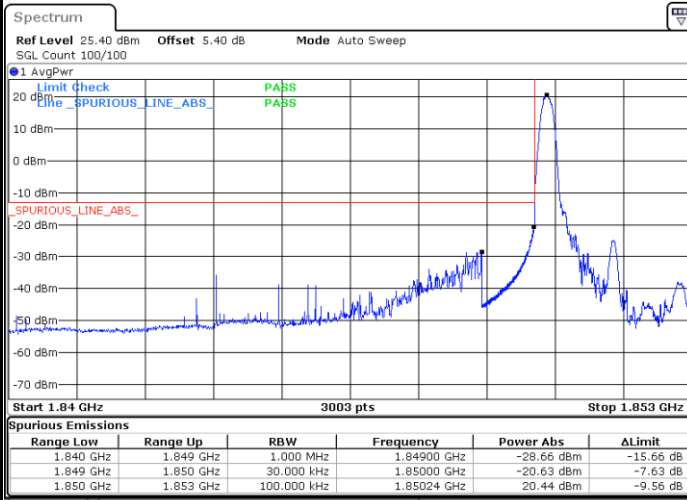


Date: 18 JUN 2022 22:16:16



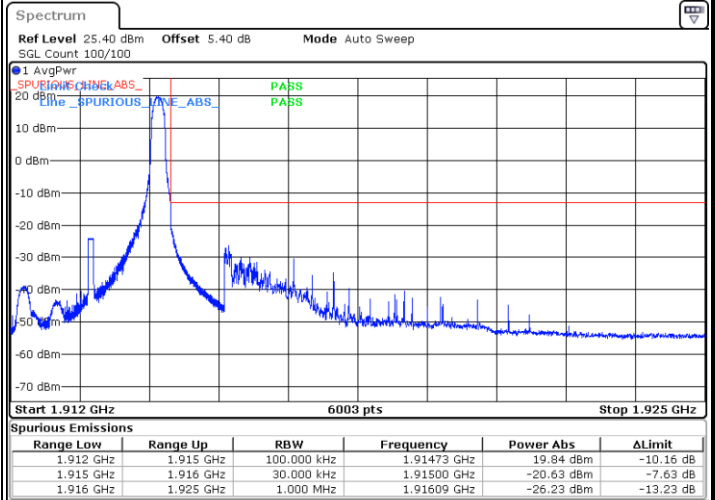
LTE Band 25 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



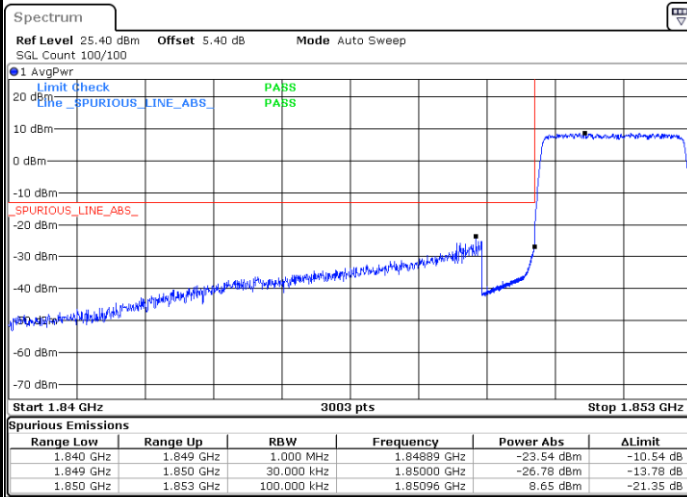
Date: 18 JUN 2022 22:05:47

Highest Band Edge / 1 RB



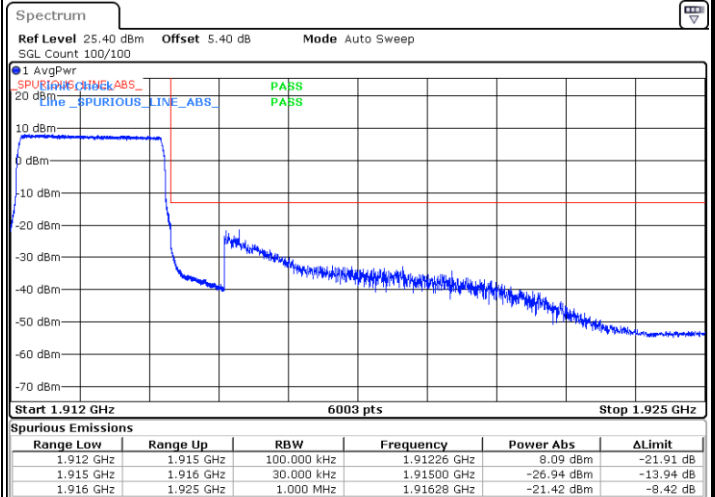
Date: 18 JUN 2022 22:23:48

Lowest Band Edge / Full RB



Date: 18 JUN 2022 22:11:47

Highest Band Edge / Full RB

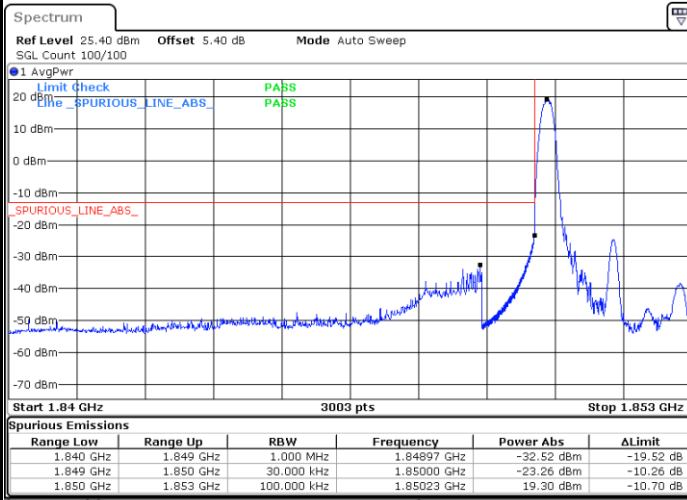


Date: 18 JUN 2022 22:17:46



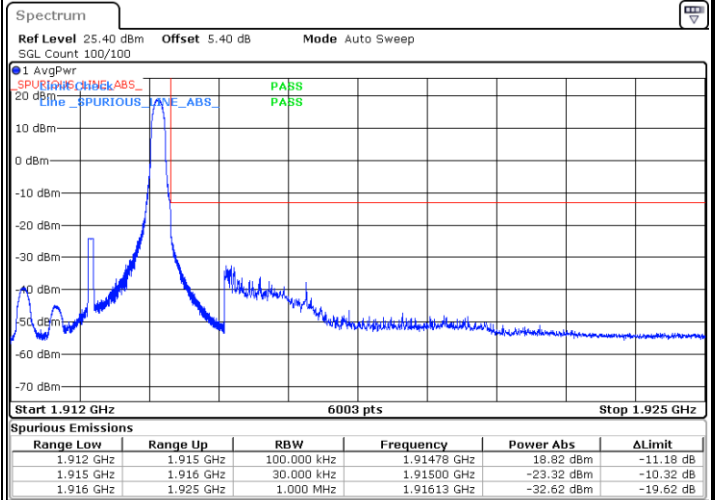
LTE Band 25 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



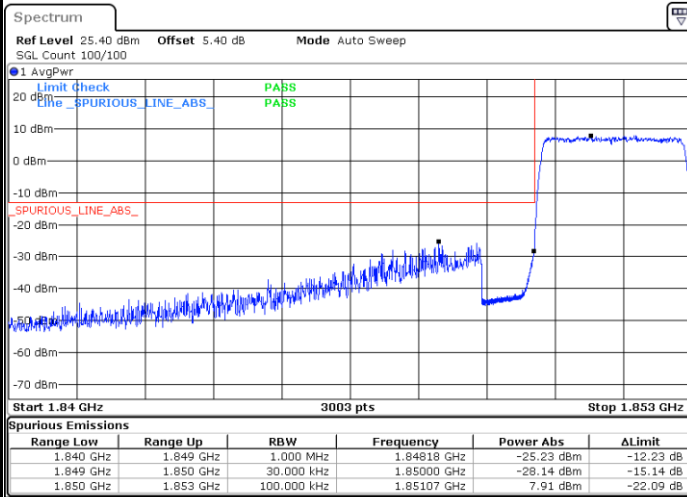
Date: 18 JUN 2022 22:07:17

Highest Band Edge / 1 RB



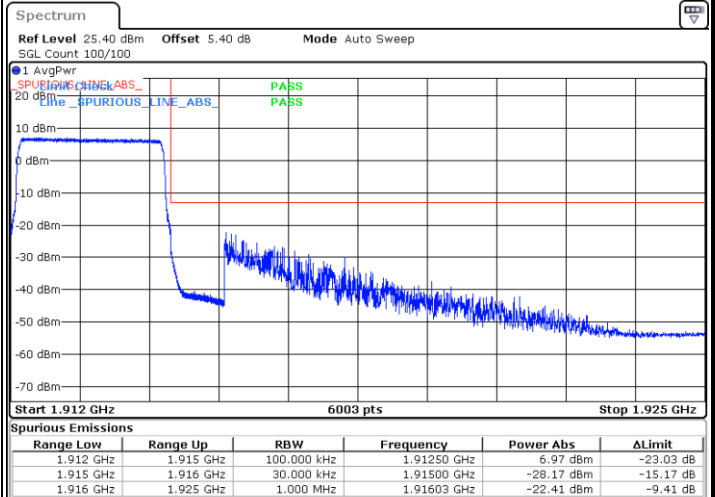
Date: 18 JUN 2022 22:25:17

Lowest Band Edge / Full RB



Date: 18 JUN 2022 22:13:16

Highest Band Edge / Full RB

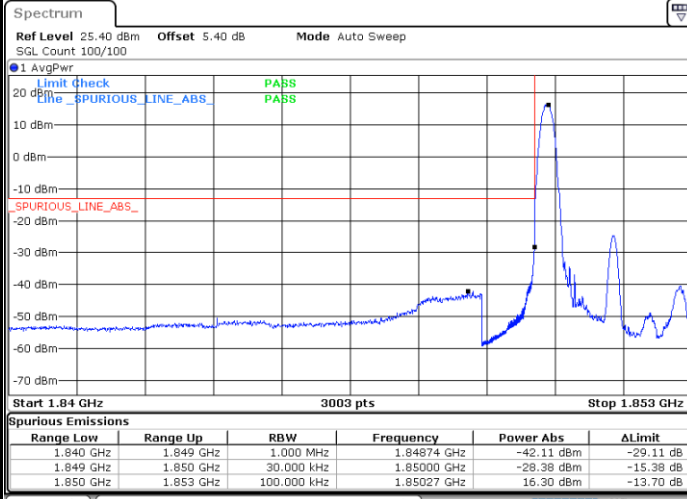


Date: 18 JUN 2022 22:19:15



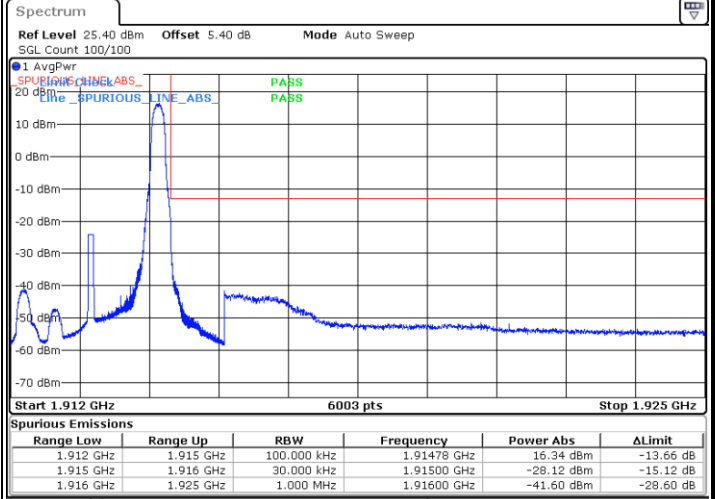
LTE Band 25 / 3MHz / 256QAM

Lowest Band Edge / 1 RB



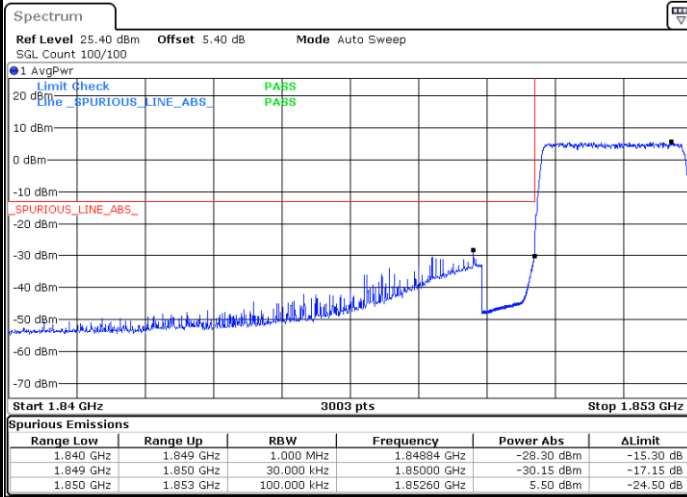
Date: 18 JUN 2022 22:09:47

Highest Band Edge / 1 RB



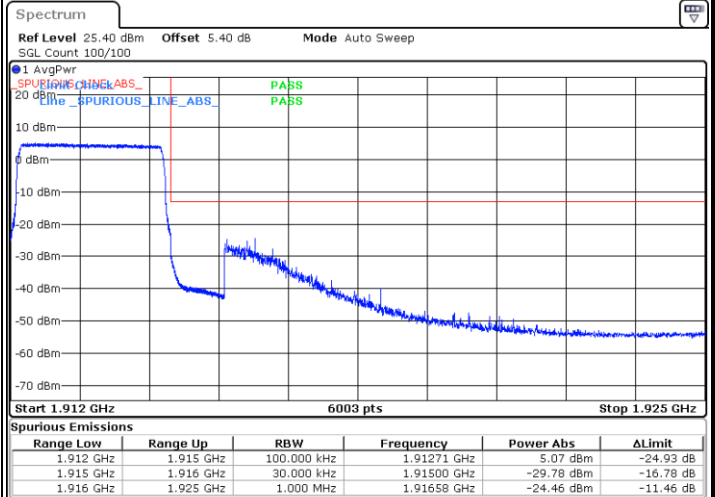
Date: 18 JUN 2022 22:26:47

Lowest Band Edge / Full RB



Date: 18 JUN 2022 22:14:46

Highest Band Edge / Full RB

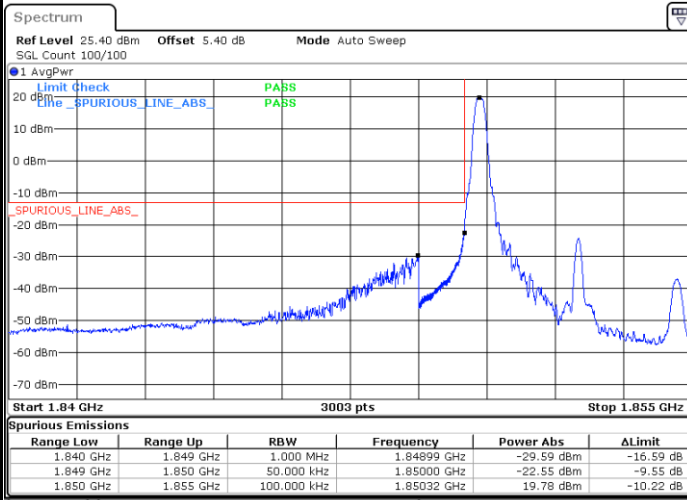


Date: 18 JUN 2022 22:20:45



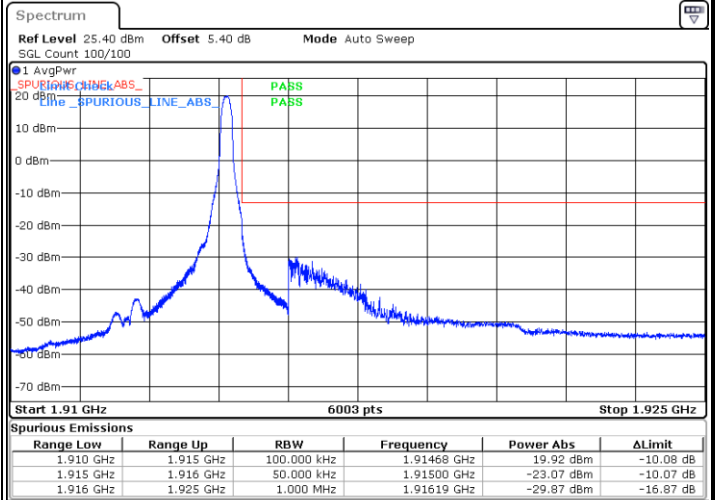
LTE Band 25 / 5MHz / QPSK

Lowest Band Edge / 1 RB



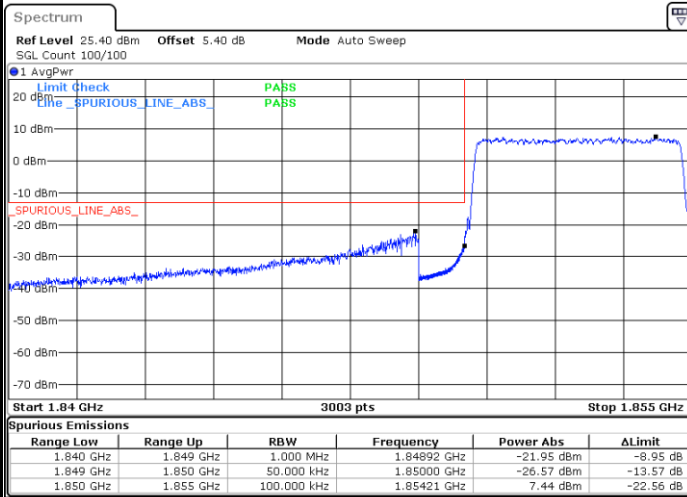
Date: 18 JUN 2022 22:32:10

Highest Band Edge / 1 RB



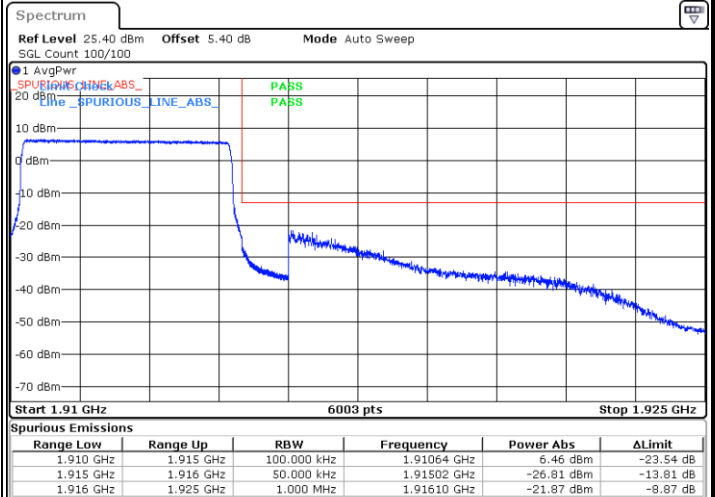
Date: 19 JUN 2022 01:29:59

Lowest Band Edge / Full RB



Date: 18 JUN 2022 22:38:12

Highest Band Edge / Full RB

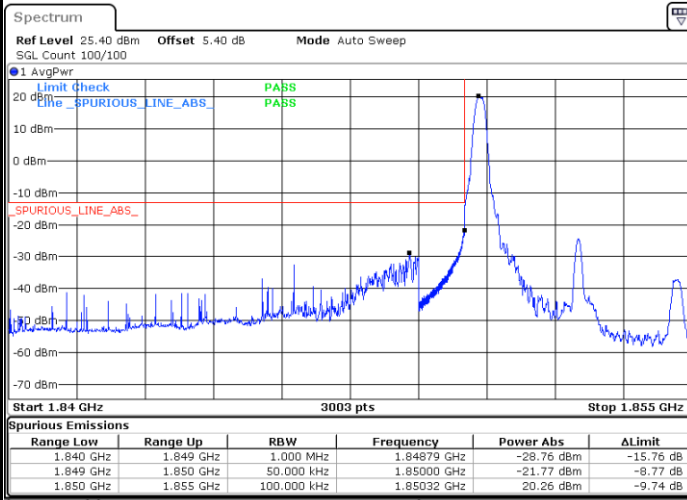


Date: 18 JUN 2022 22:44:11



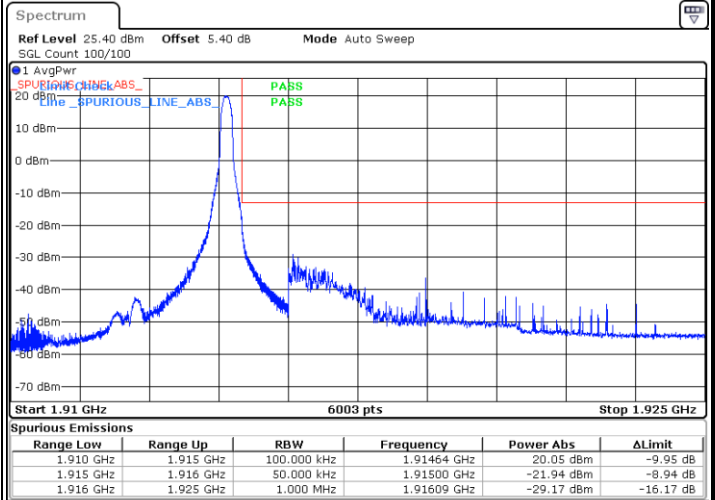
LTE Band 25 / 5MHz / 16QAM

Lowest Band Edge / 1RB



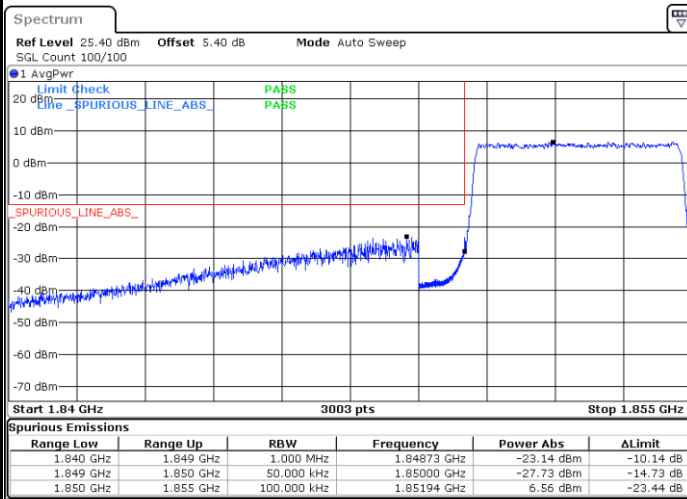
Date: 18 JUN 2022 22:33:40

Highest Band Edge / 1 RB



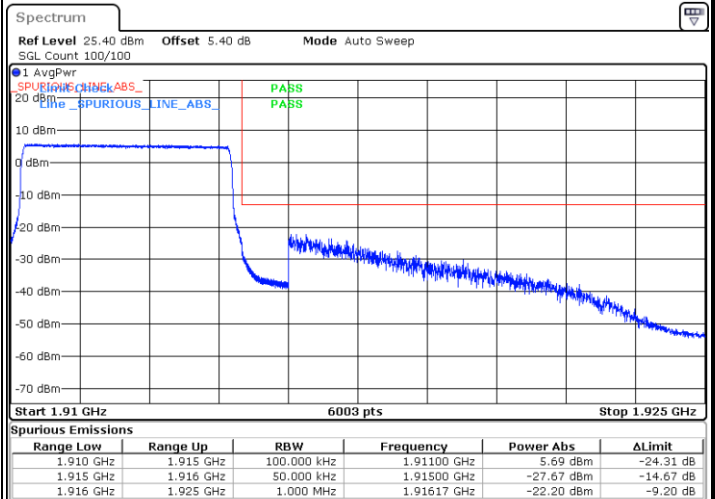
Date: 19 JUN 2022 01:30:42

Lowest Band Edge / Full RB



Date: 18 JUN 2022 22:39:42

Highest Band Edge / Full RB

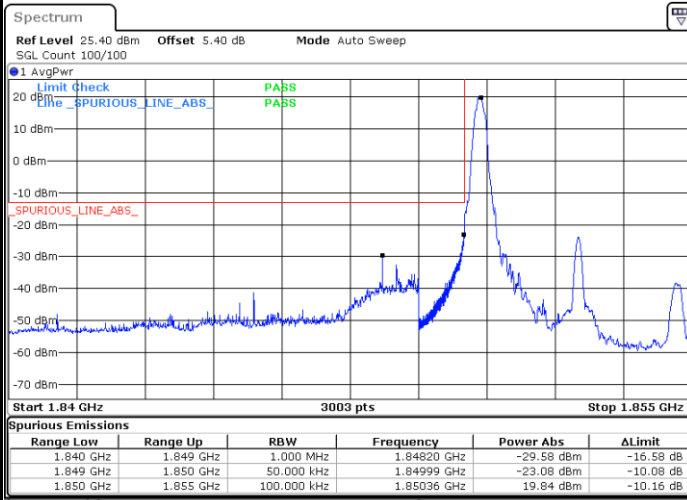


Date: 18 JUN 2022 22:45:41



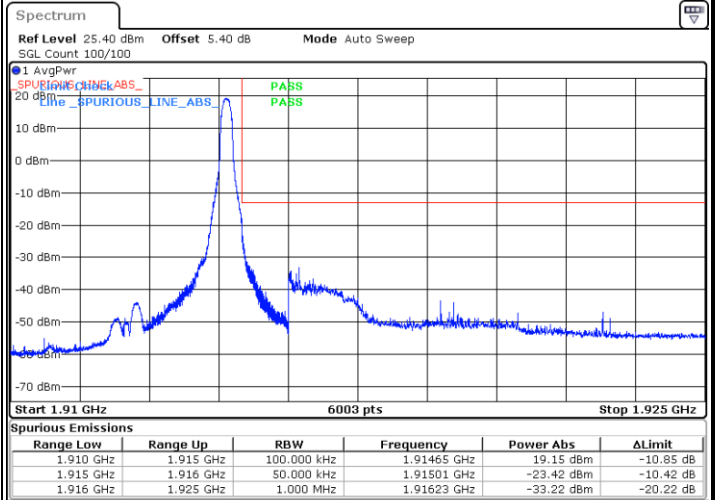
LTE Band 25 / 5MHz / 64QAM

Lowest Band Edge / 1RB



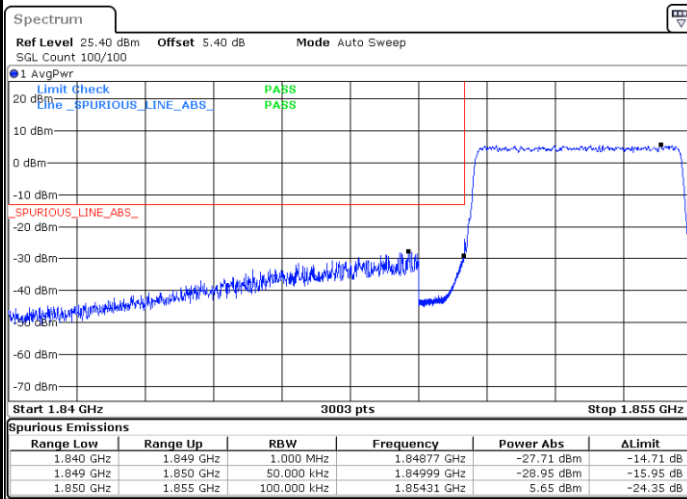
Date: 18 JUN 2022 22:35:10

Highest Band Edge / 1 RB



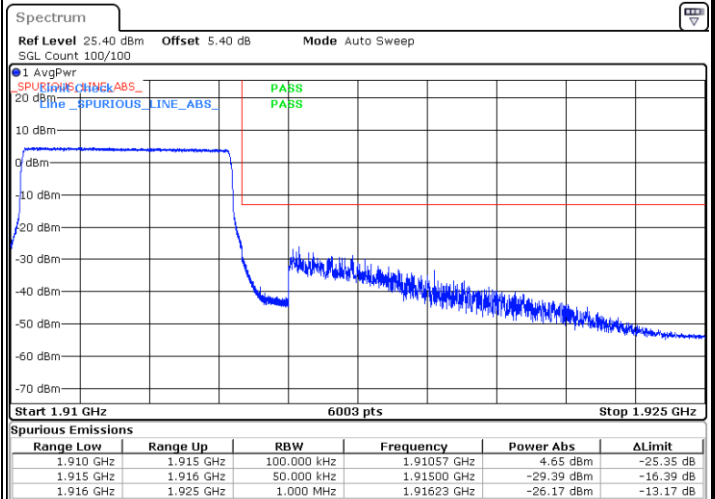
Date: 19 JUN 2022 01:31:30

Lowest Band Edge / Full RB



Date: 18 JUN 2022 22:41:11

Highest Band Edge / Full RB



Date: 18 JUN 2022 22:47:10