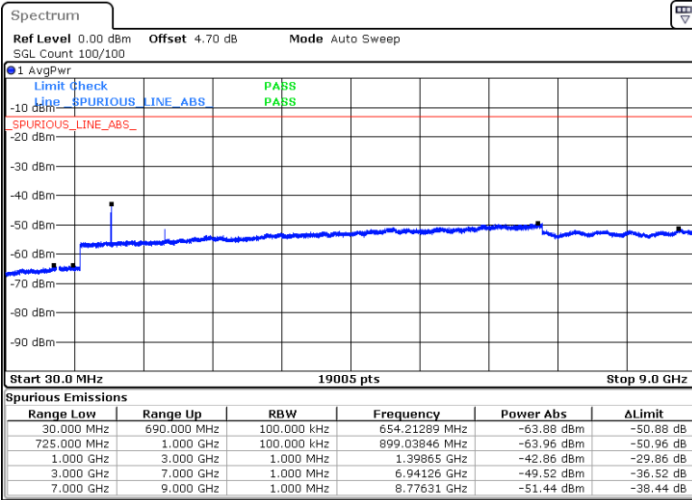




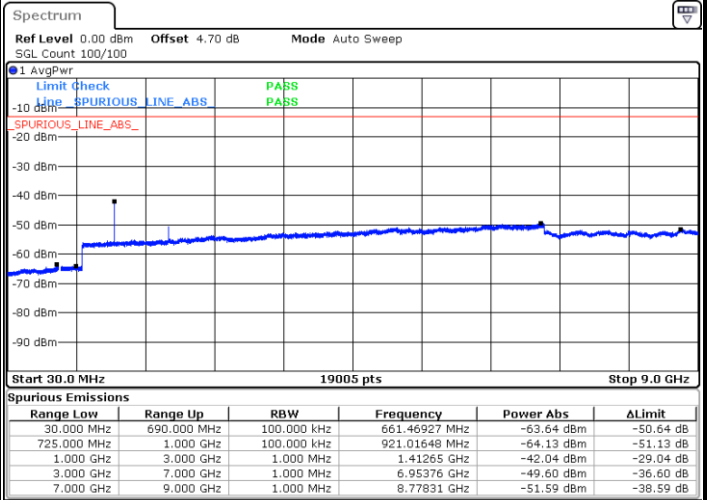
LTE Band 12 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

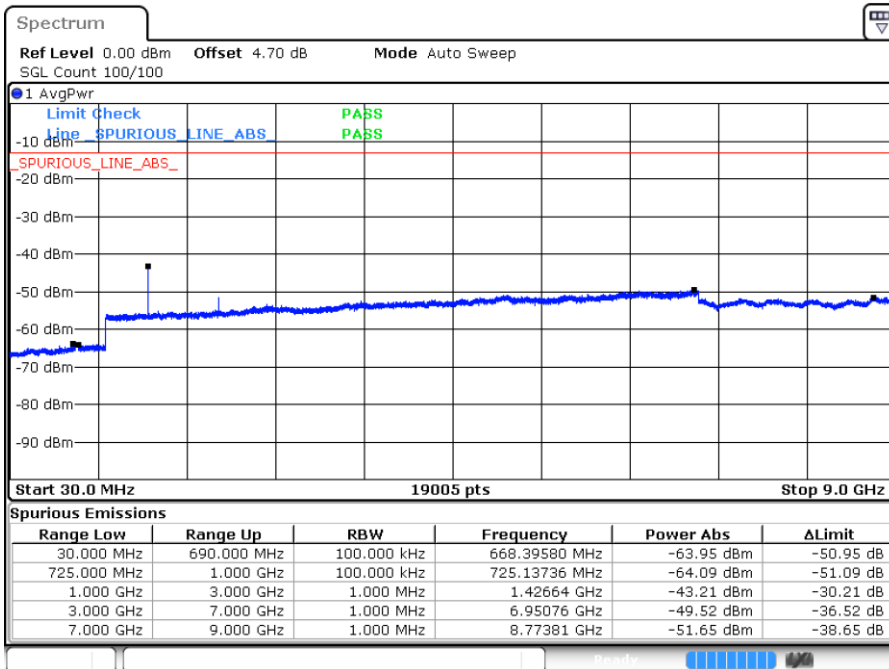


Date: 26 JAN 2022 23:39:21



Date: 26 JAN 2022 23:51:22

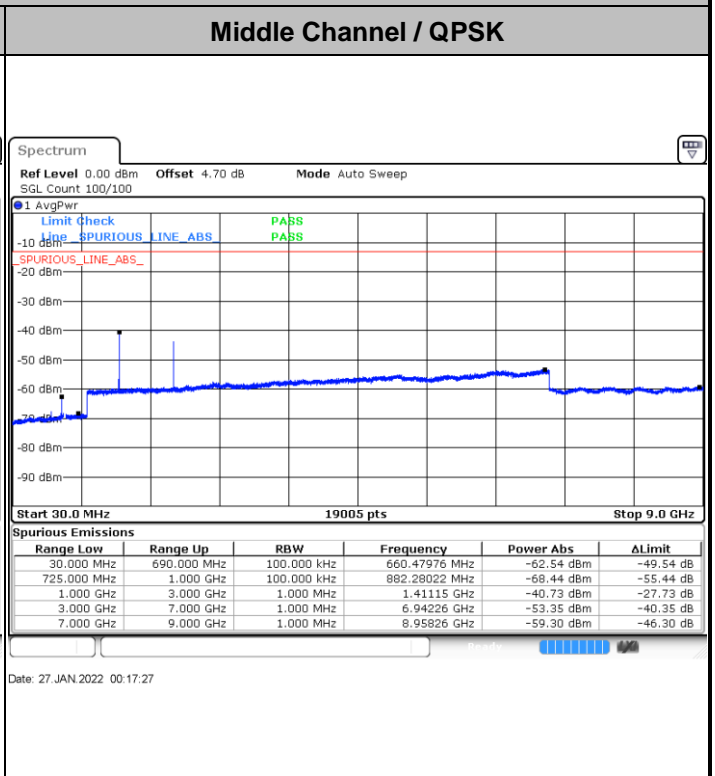
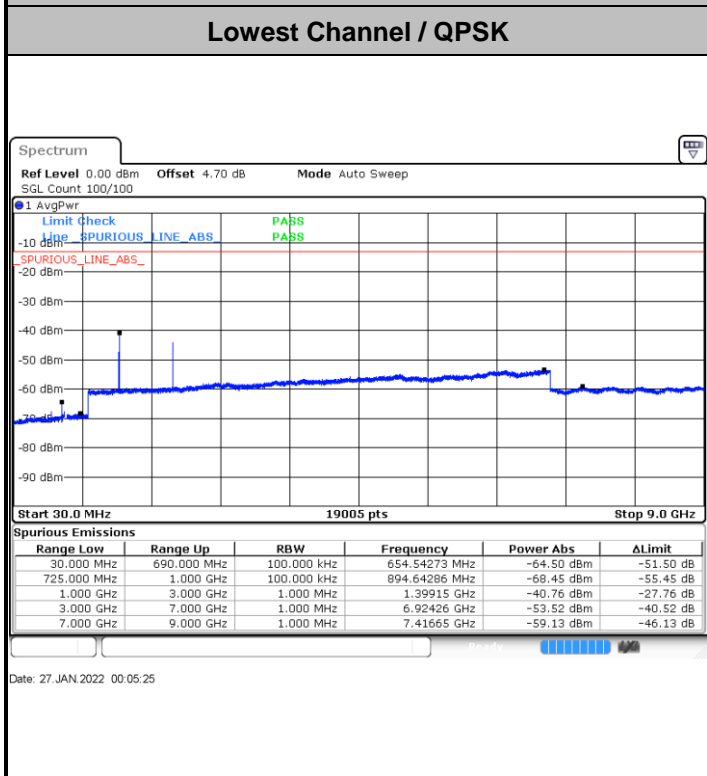
Highest Channel / QPSK



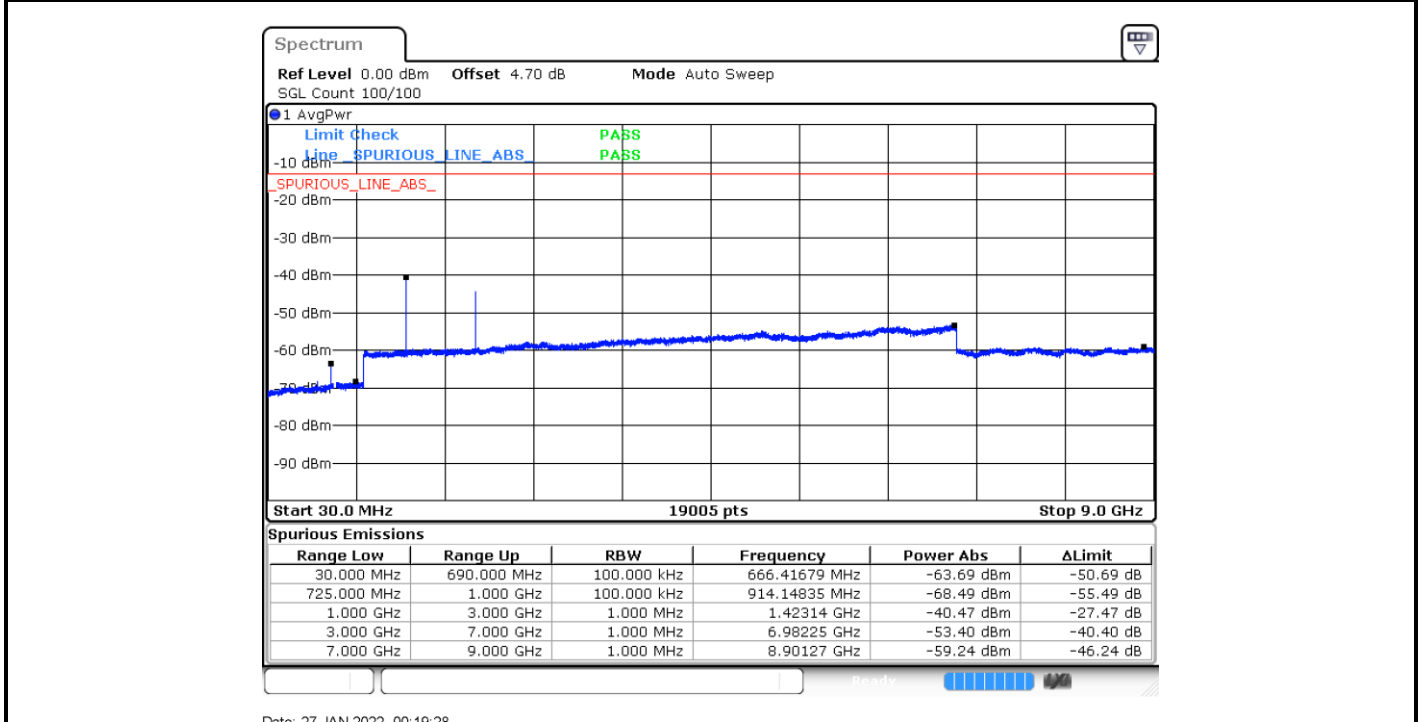
Date: 26 JAN 2022 23:53:23



**LTE Band 12 / 5MHz**

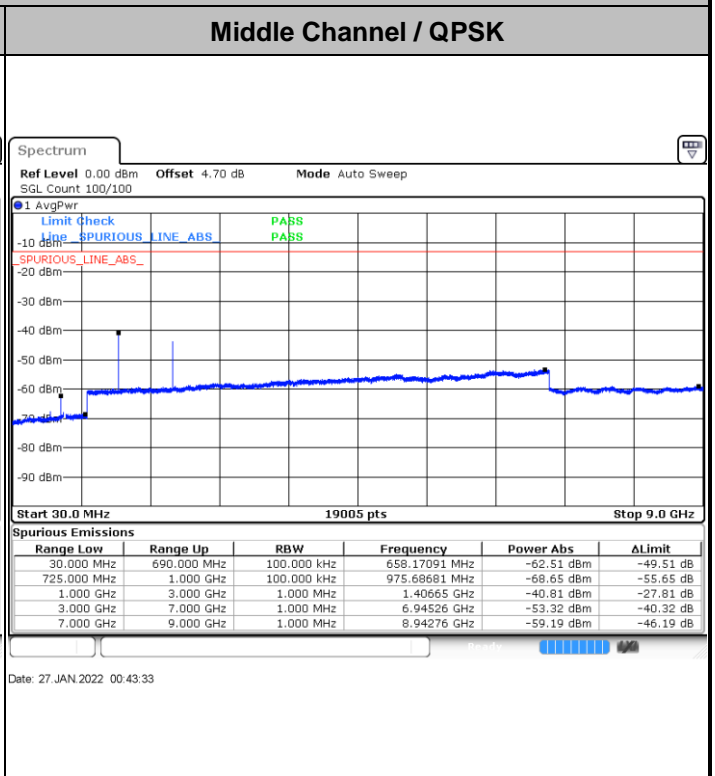
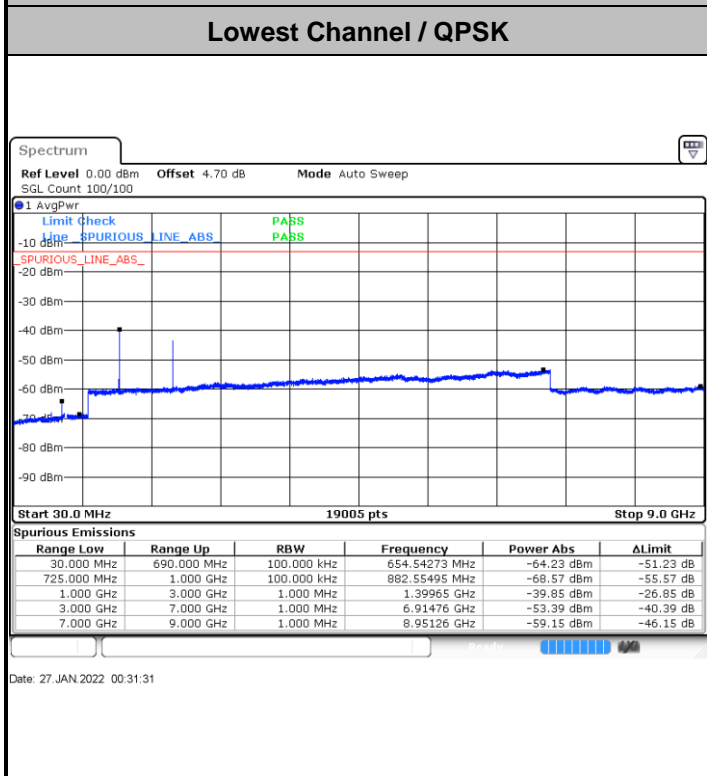


**Highest Channel / QPSK**

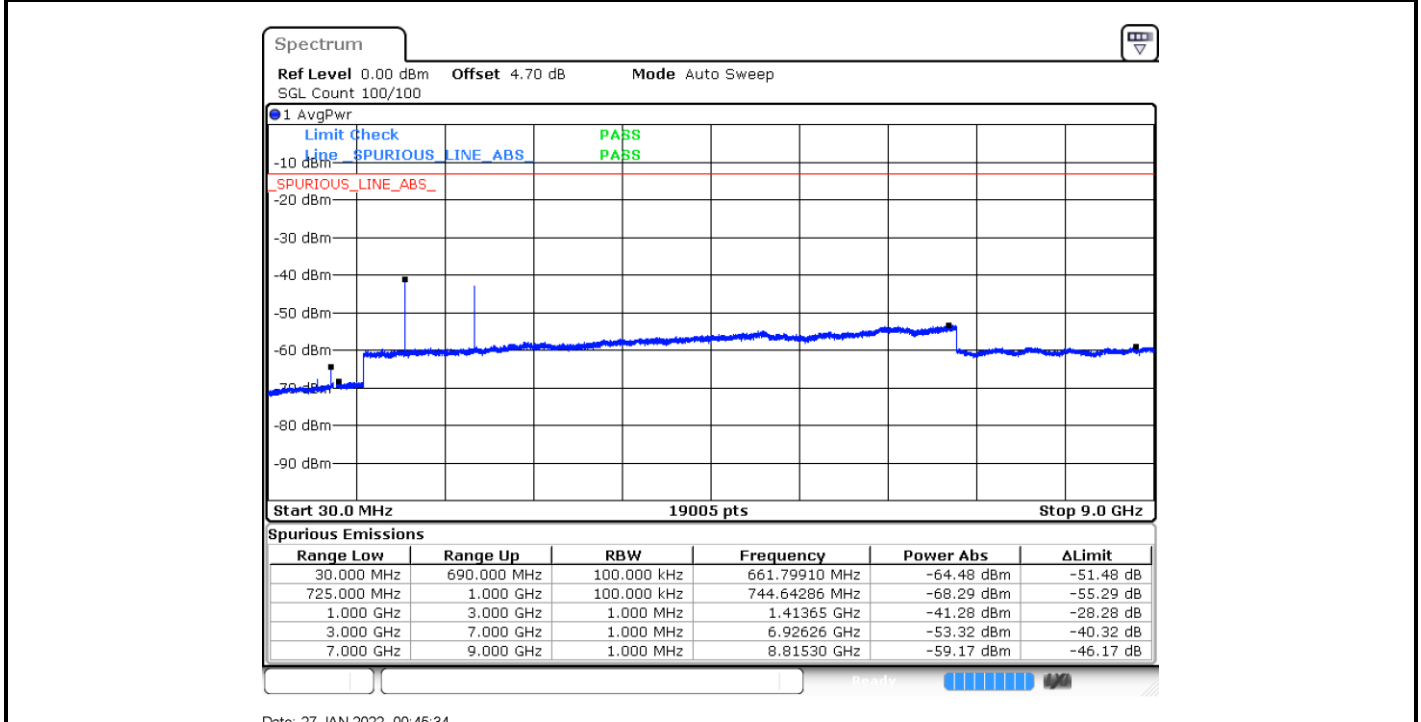




**LTE Band 12 / 10MHz**



**Highest Channel / QPSK**





Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0013	
20	Battery End Point	0.0008	

Note:

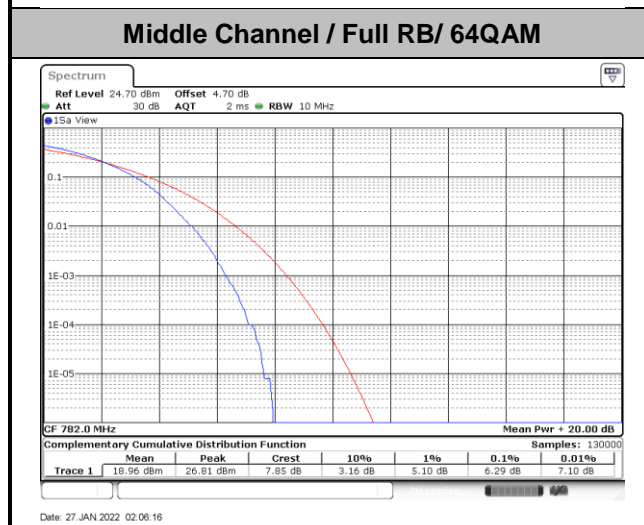
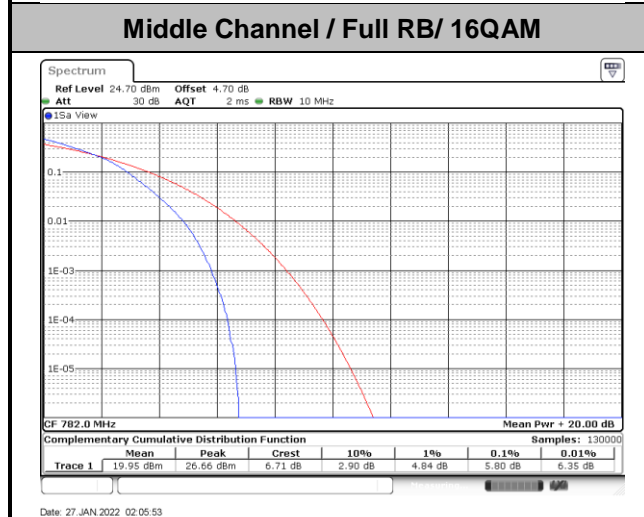
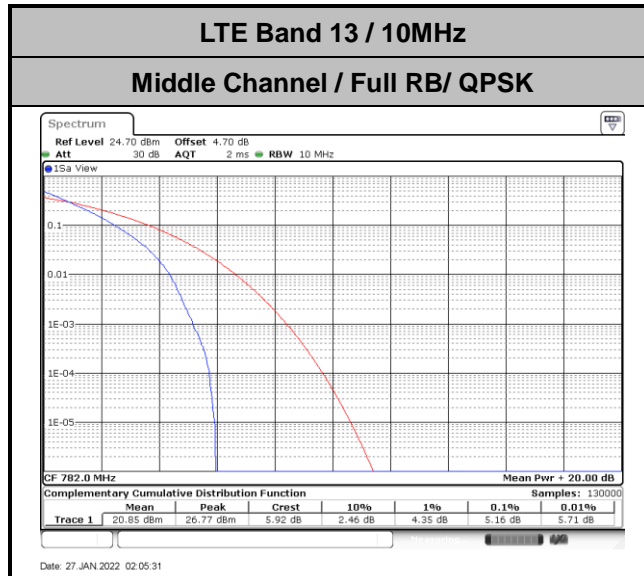
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

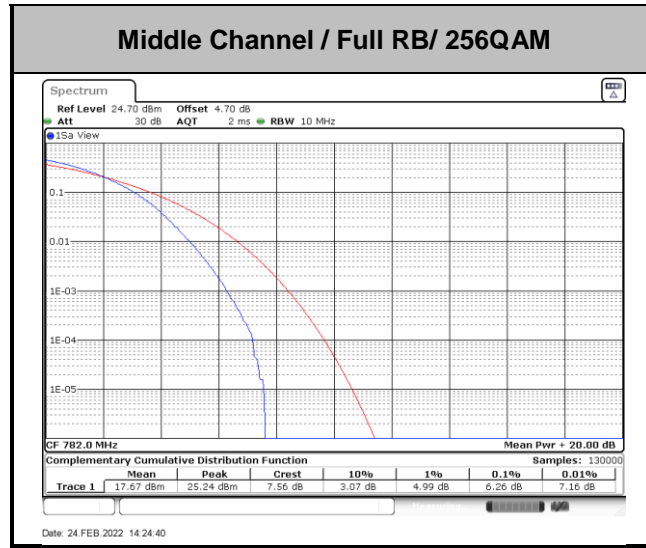


## LTE Band 13

### Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.16	5.80	6.29	6.26	<b>PASS</b>

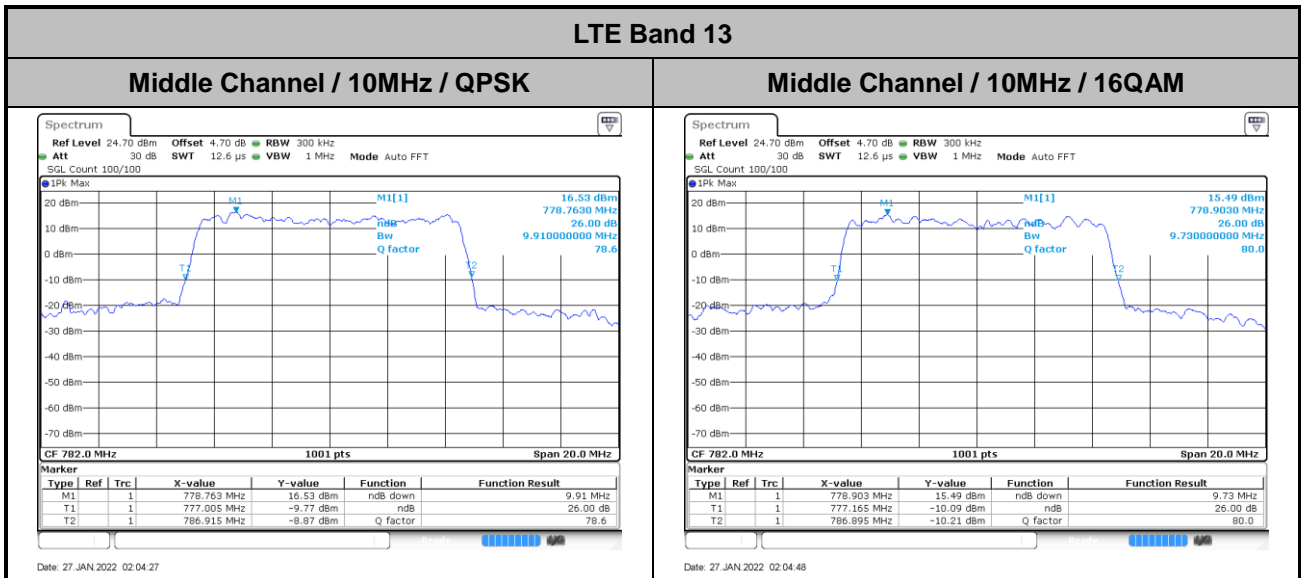






**26dB Bandwidth**

Mode	LTE Band 13 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.91	9.73

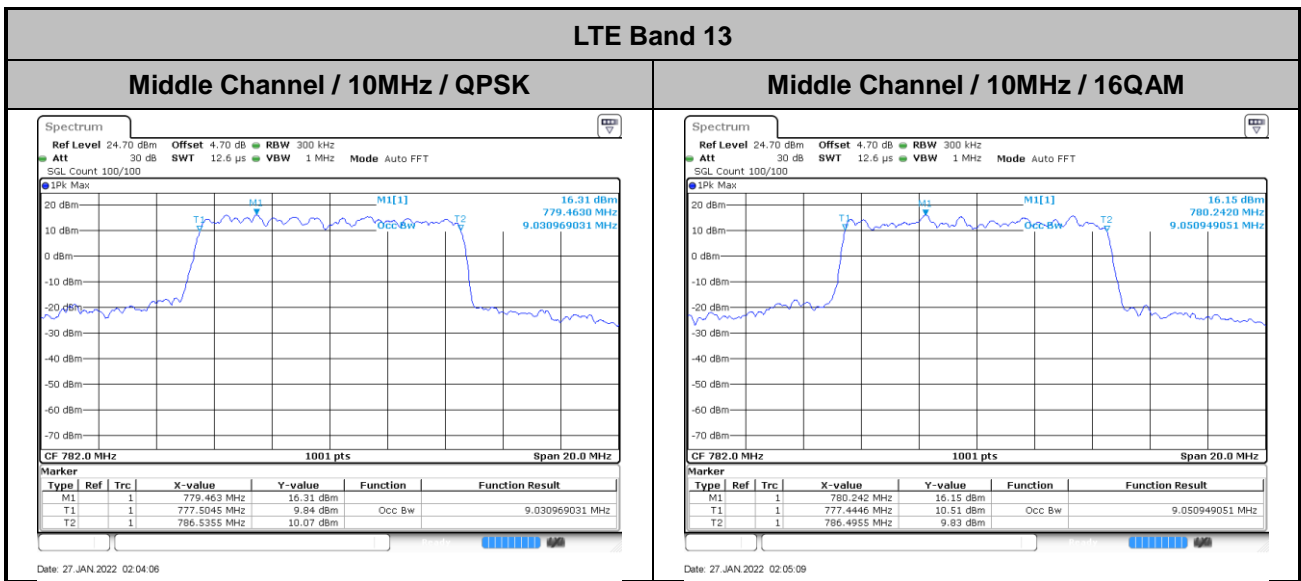






## Occupied Bandwidth

<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>	9.03	9.05

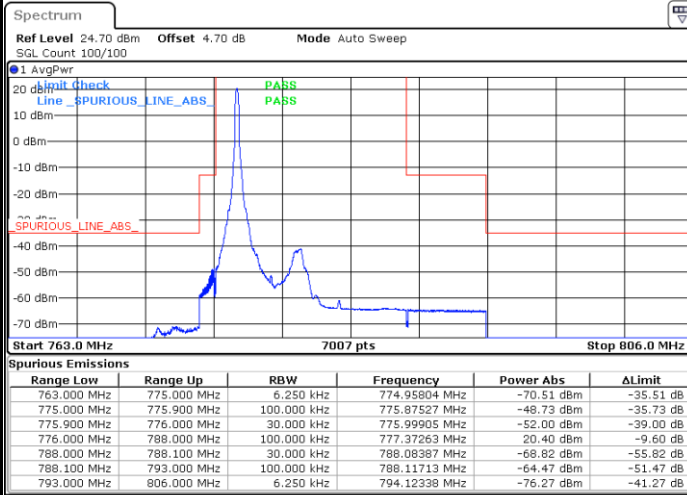




# Conducted Band Edge

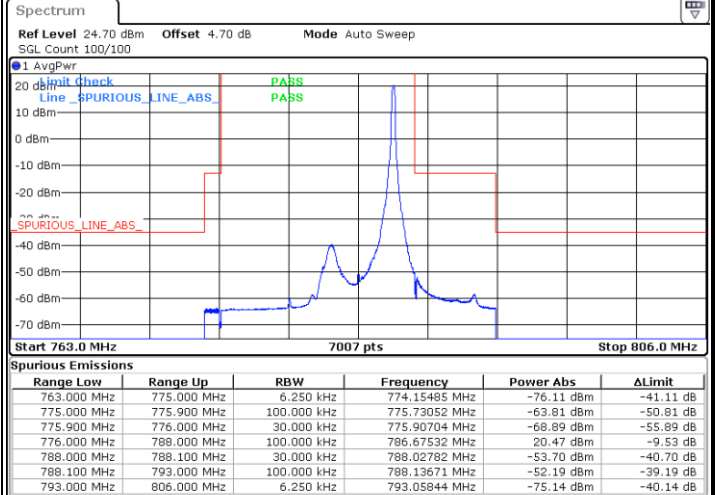
## LTE Band 13 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



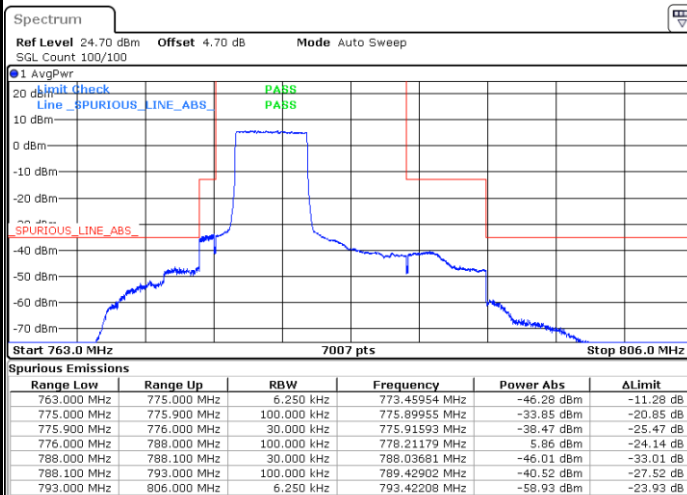
Date: 27.JAN.2022 01:21:01

### Highest Band Edge / 1 RB



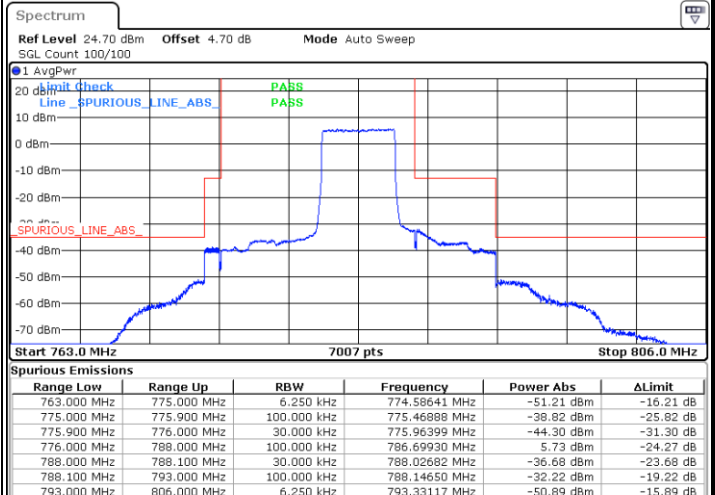
Date: 27.JAN.2022 01:36:05

### Lowest Band Edge / Full RB



Date: 27.JAN.2022 01:30:13

### Highest Band Edge / Full RB



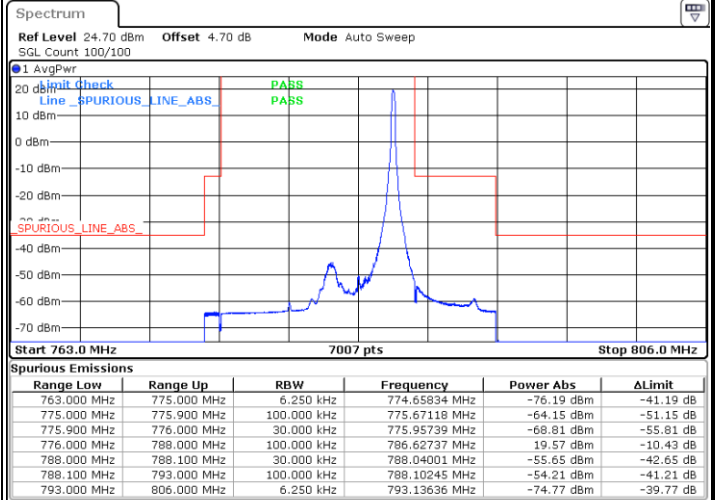
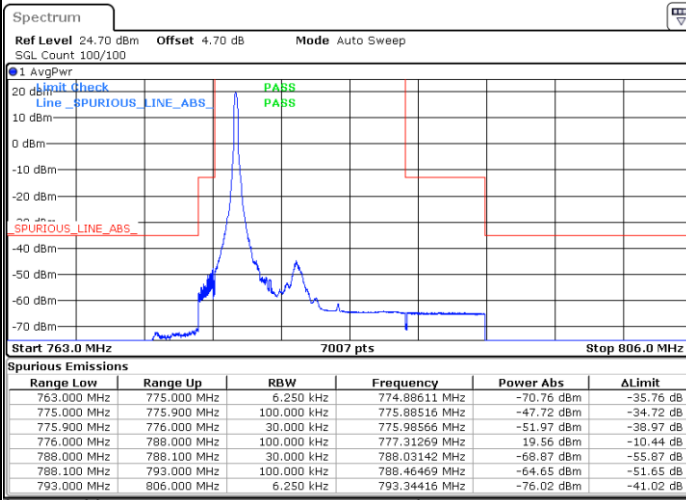
Date: 27.JAN.2022 01:45:16



LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

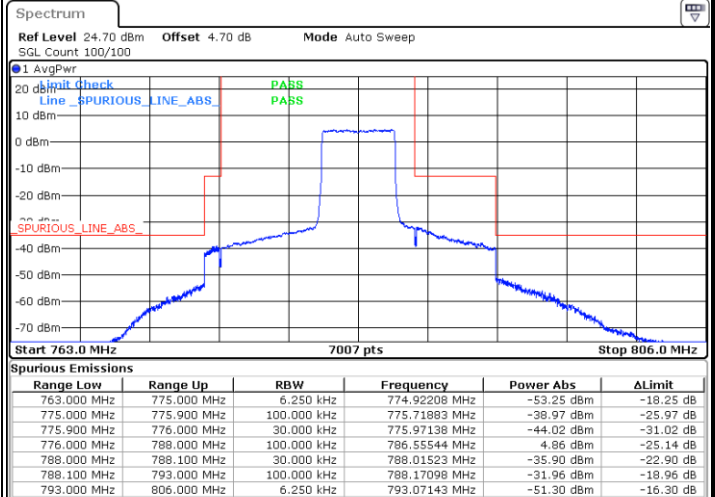
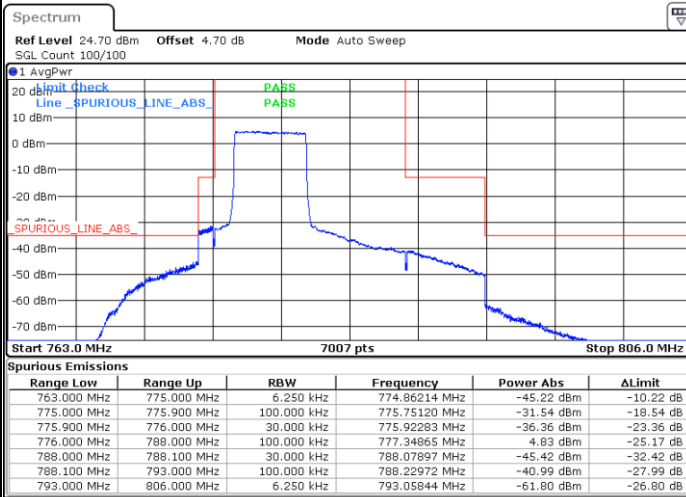


Date: 27. JAN 2022 01:22:52

Date: 27. JAN 2022 01:37:55

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27. JAN 2022 01:28:23

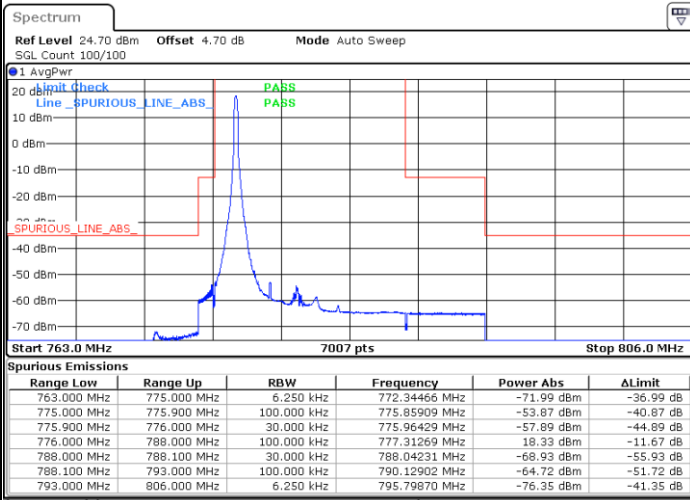
Date: 27. JAN 2022 01:43:26



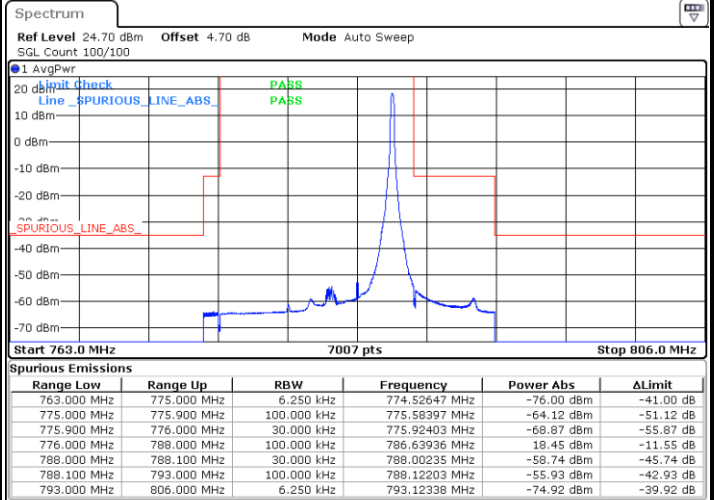
LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB



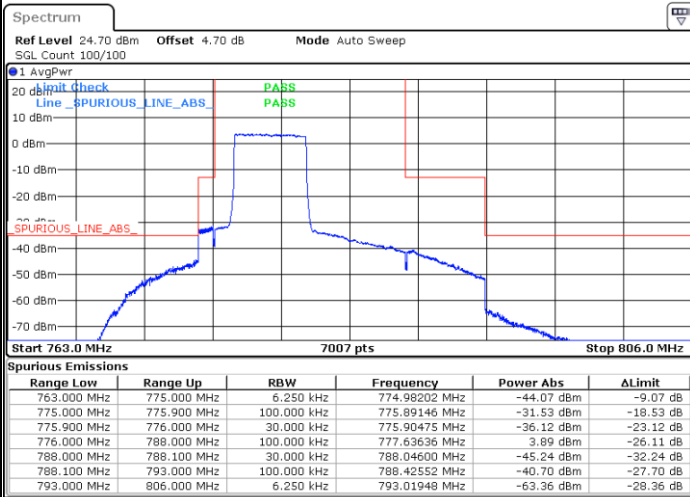
Date: 27. JAN 2022 01:24:42



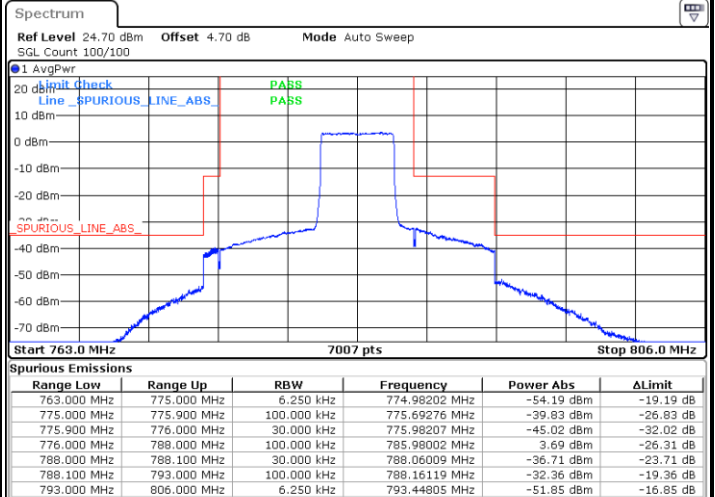
Date: 27. JAN 2022 01:39:45

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27. JAN 2022 01:26:32

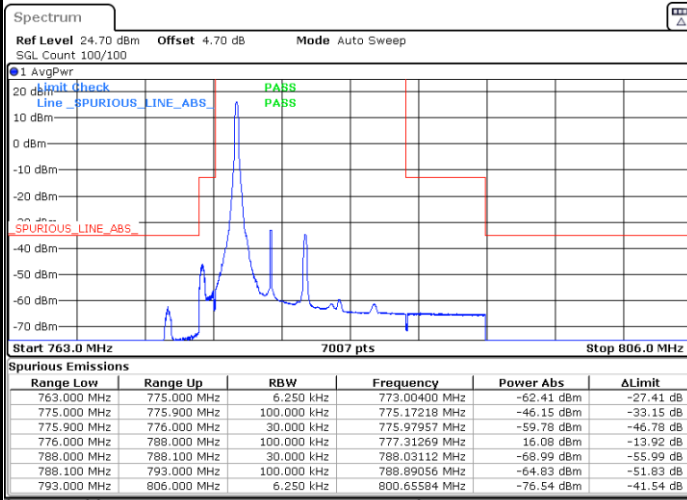


Date: 27. JAN 2022 01:41:36



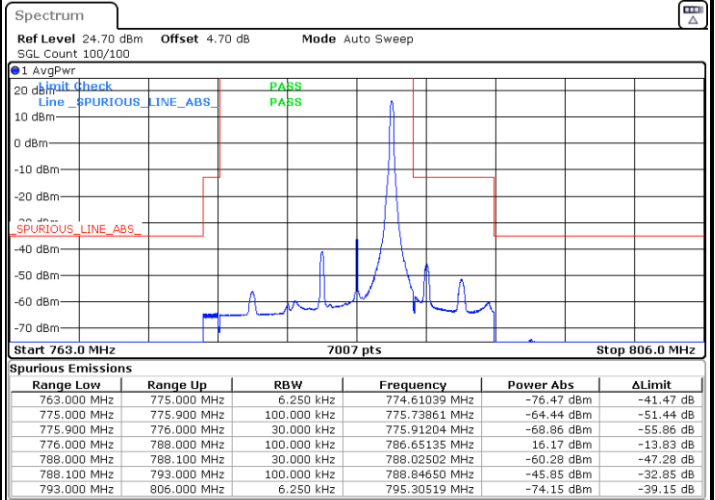
LTE Band 13 / 5MHz / 256QAM

Lowest Band Edge / 1RB



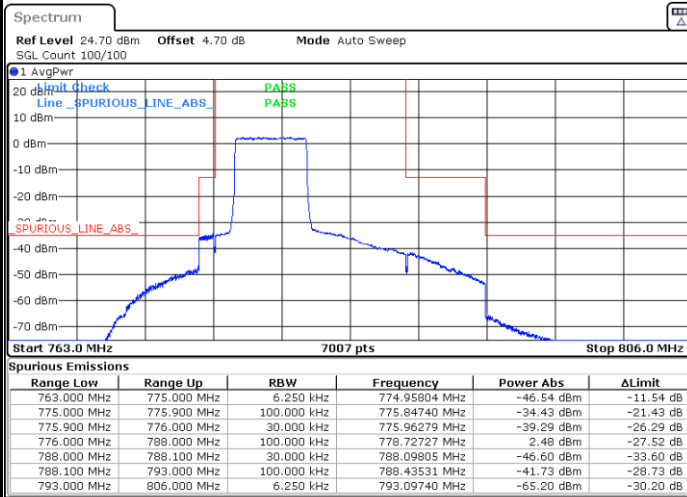
Date: 24 FEB 2022 14:12:21

Highest Band Edge / 1 RB



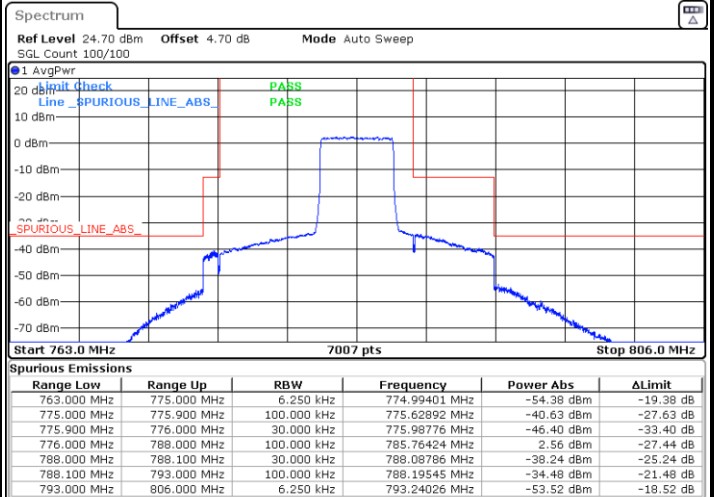
Date: 24 FEB 2022 14:16:31

Lowest Band Edge / Full RB



Date: 24 FEB 2022 14:14:30

Highest Band Edge / Full RB

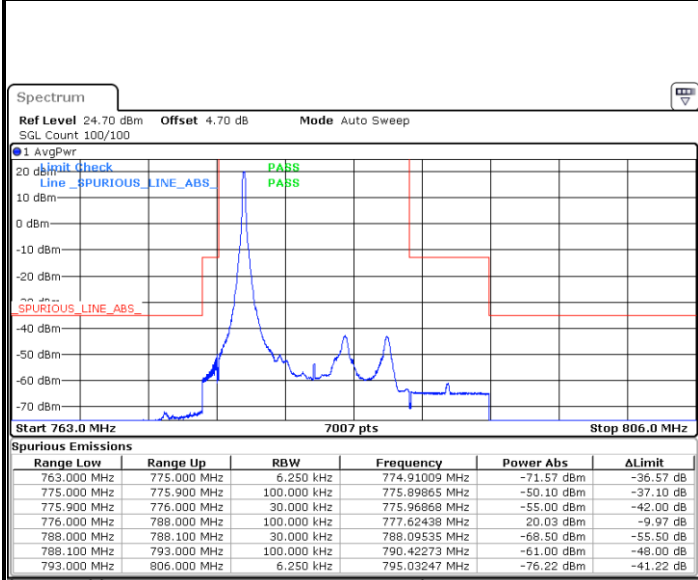


Date: 24 FEB 2022 14:18:17



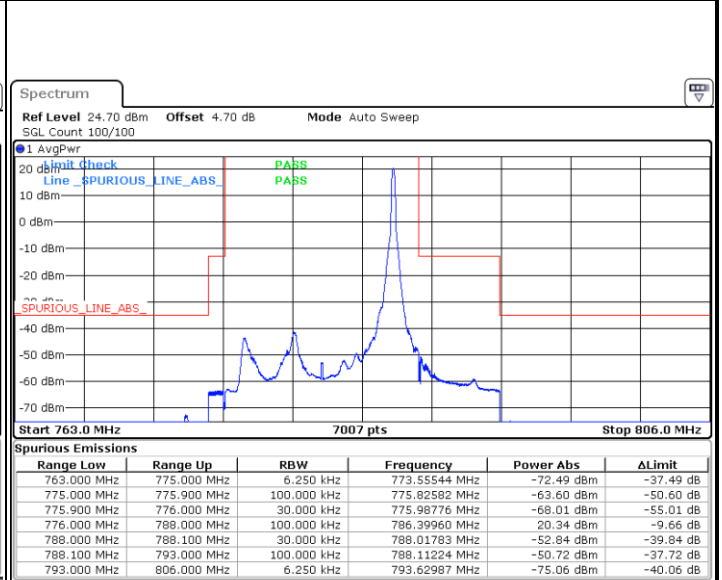
**LTE Band 13 / 10MHz / QPSK**

**middle Band Edge / 1 RB**



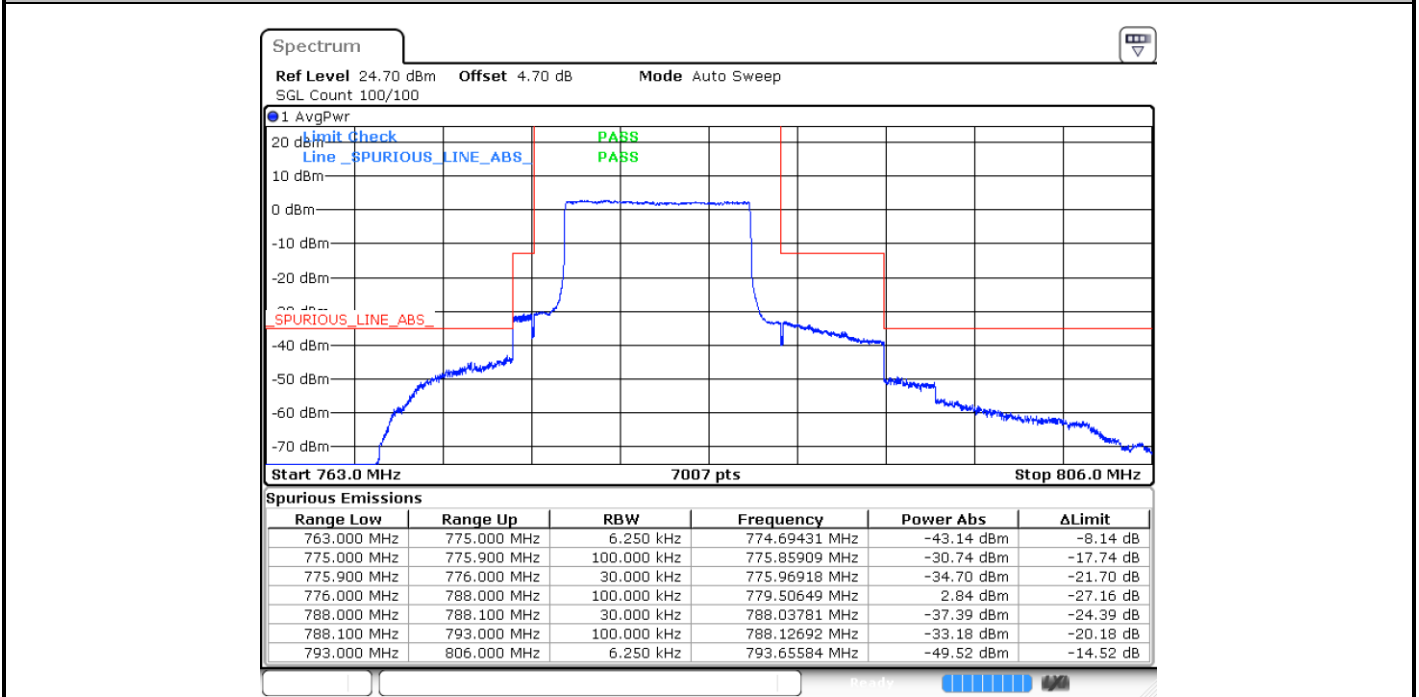
Date: 27. JAN 2022 01:49:07

**middle Band Edge / 1 RB**



Date: 27. JAN 2022 02:00:05

**Middle Band Edge / Full RB**

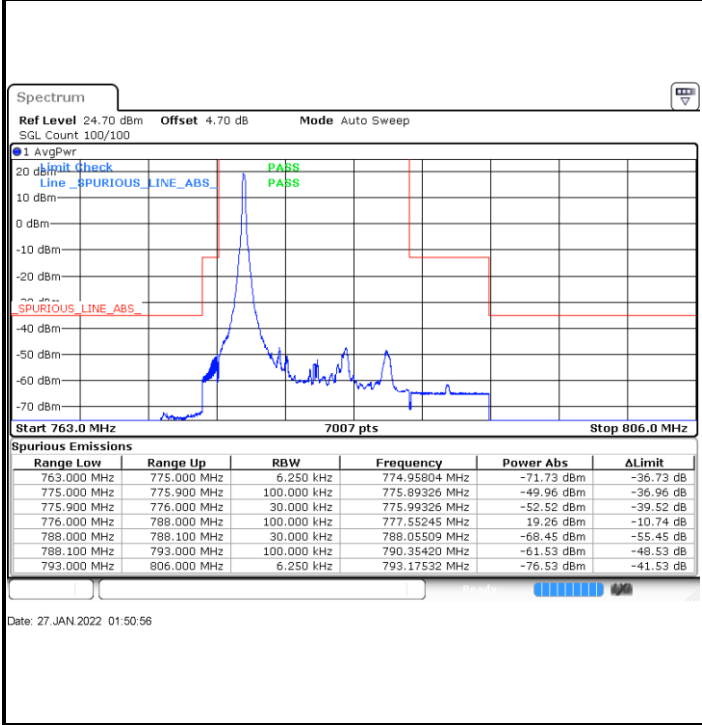


Date: 27. JAN 2022 01:58:15

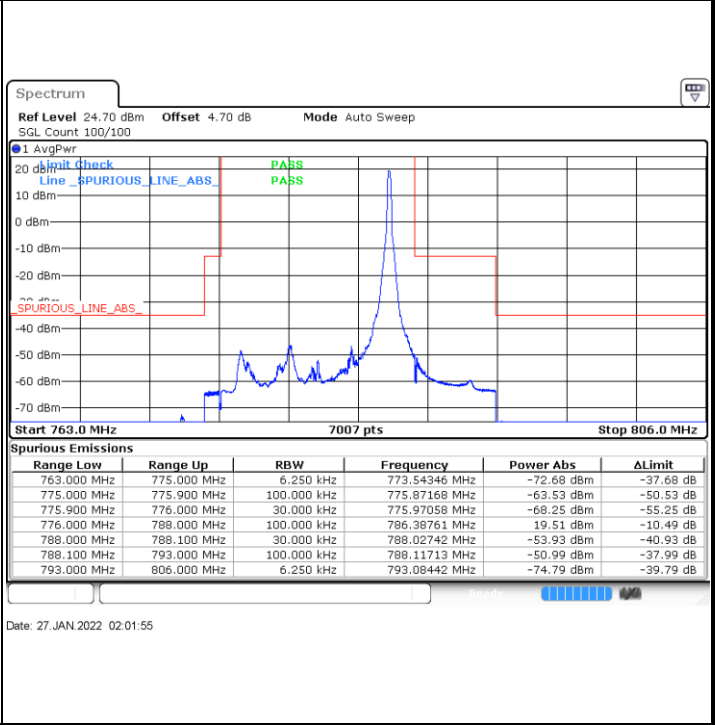


**LTE Band 13 / 10MHz / 16QAM**

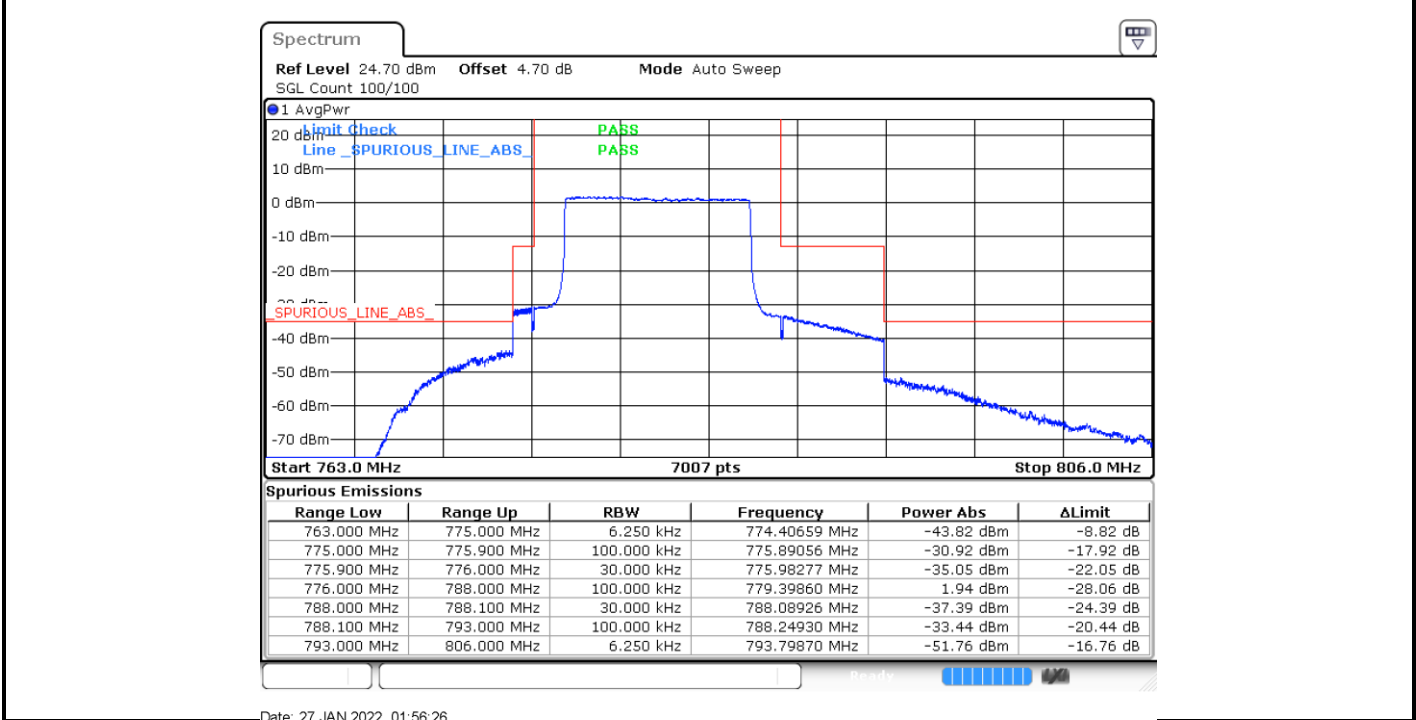
**middle Band Edge / 1 RB**



**middle Band Edge / 1 RB**



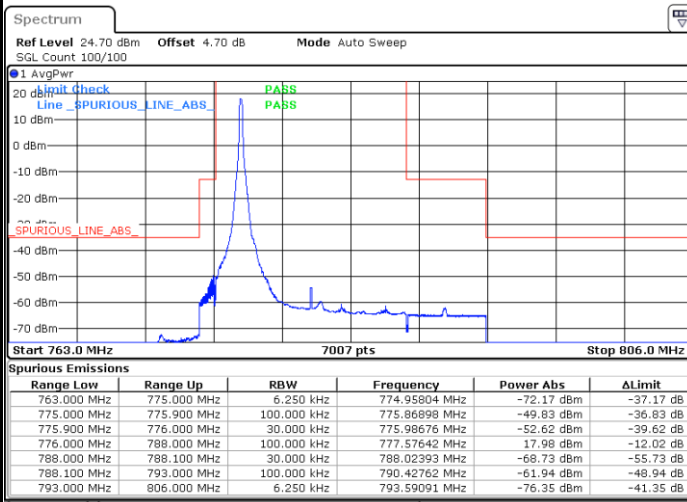
**middle Band Edge / Full RB**





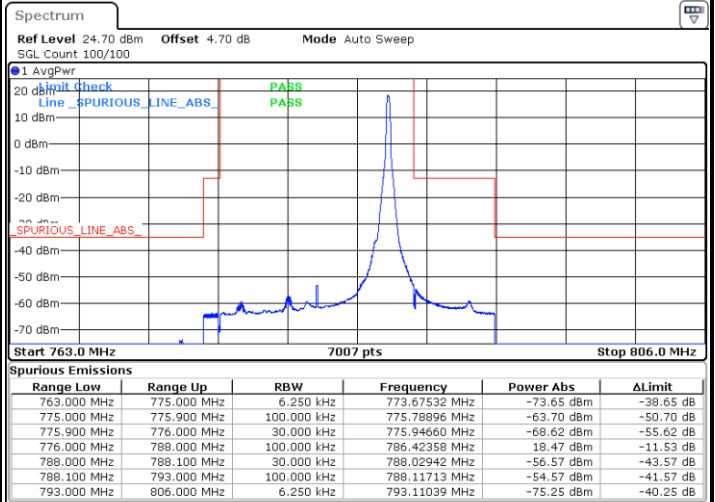
LTE Band 13 / 10MHz / 64QAM

middle Band Edge / 1 RB



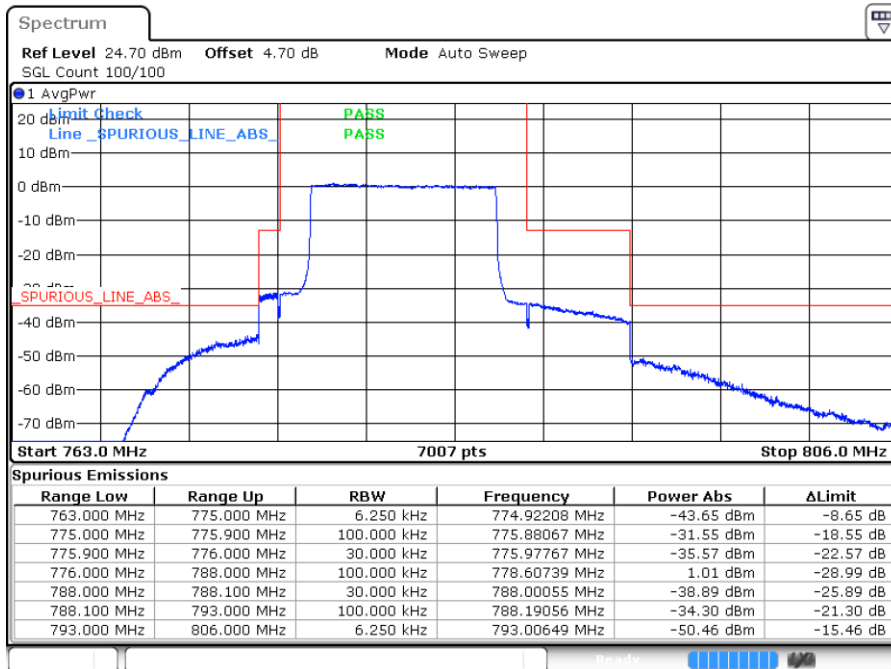
Date: 27 JAN 2022 01:52:46

middle Band Edge / 1 RB



Date: 27 JAN 2022 02:03:45

middle Band Edge / Full RB



Date: 27 JAN 2022 01:54:36

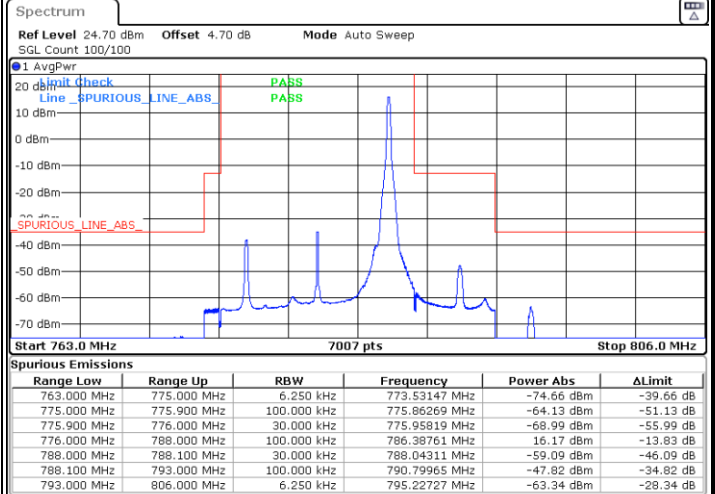
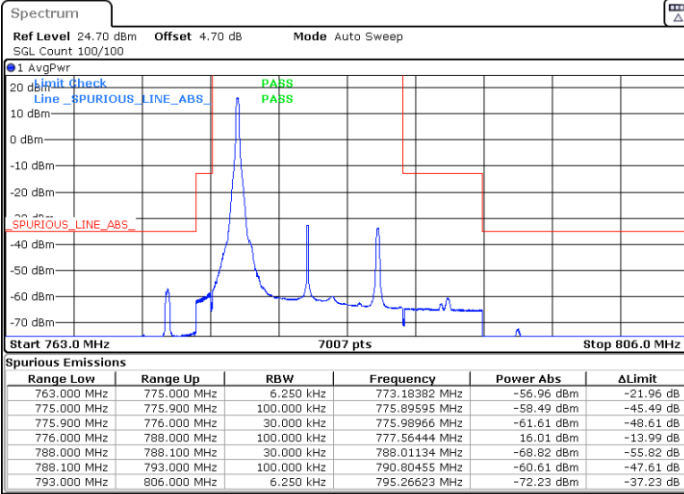




LTE Band 13 / 10MHz / 256QAM

middle Band Edge / 1 RB

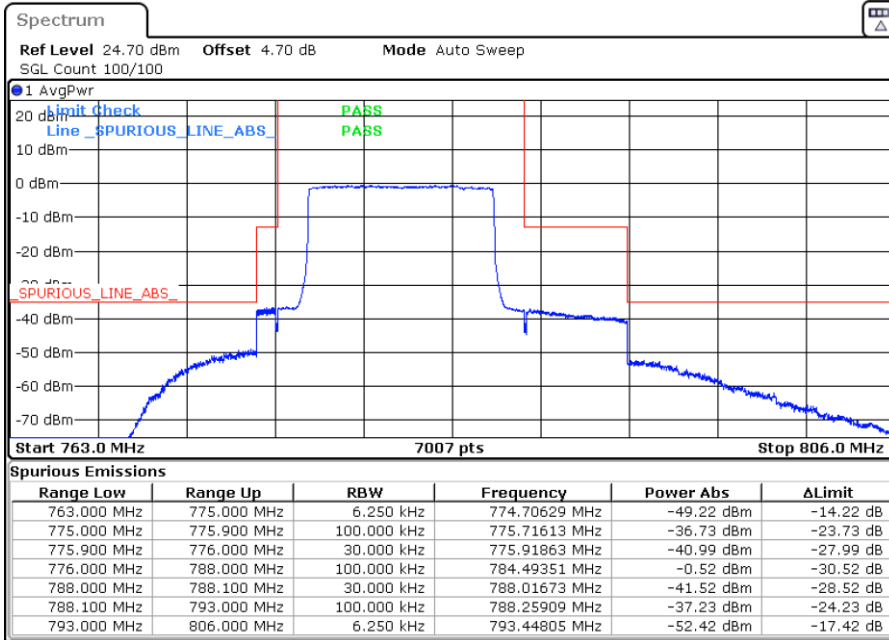
middle Band Edge / 1 RB



Date: 24.FEB.2022 14:21:28

Date: 24.FEB.2022 14:22:56

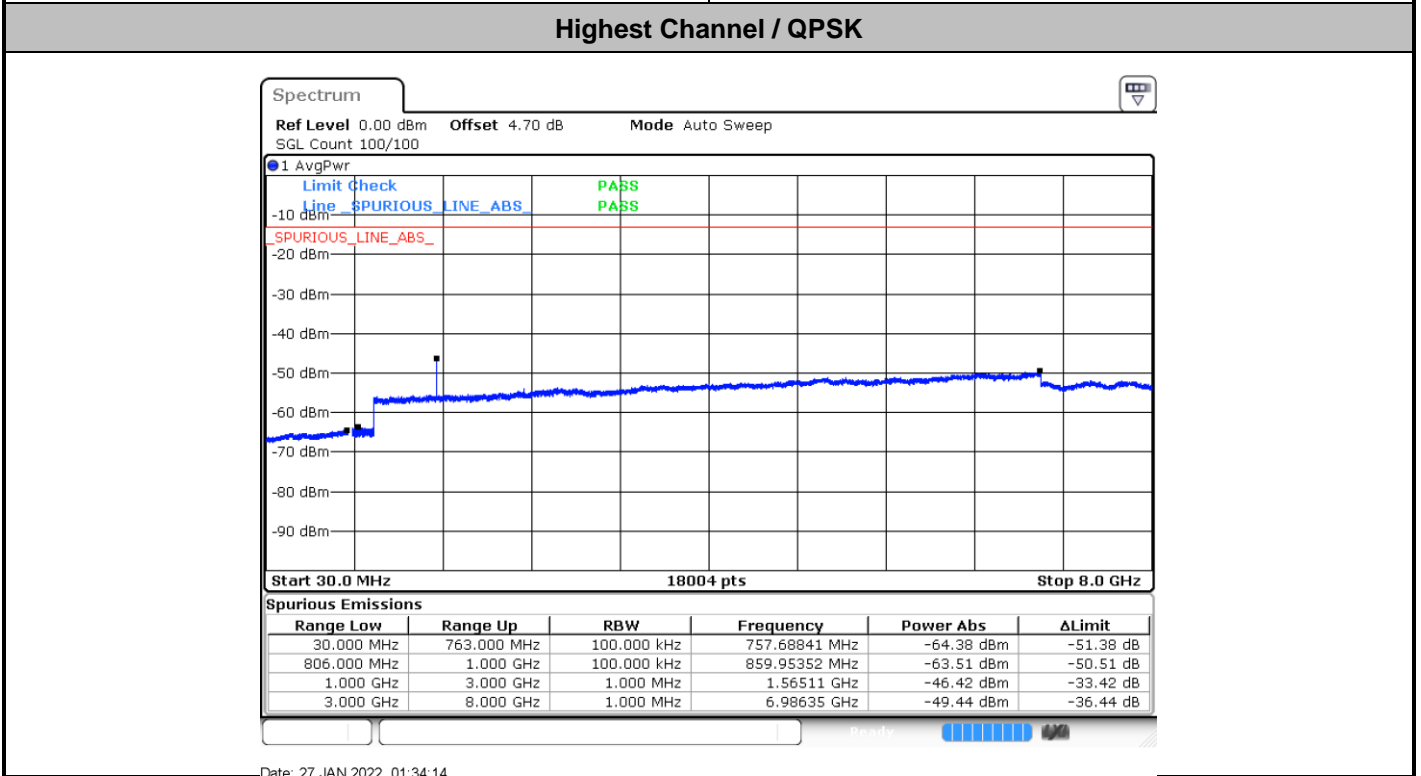
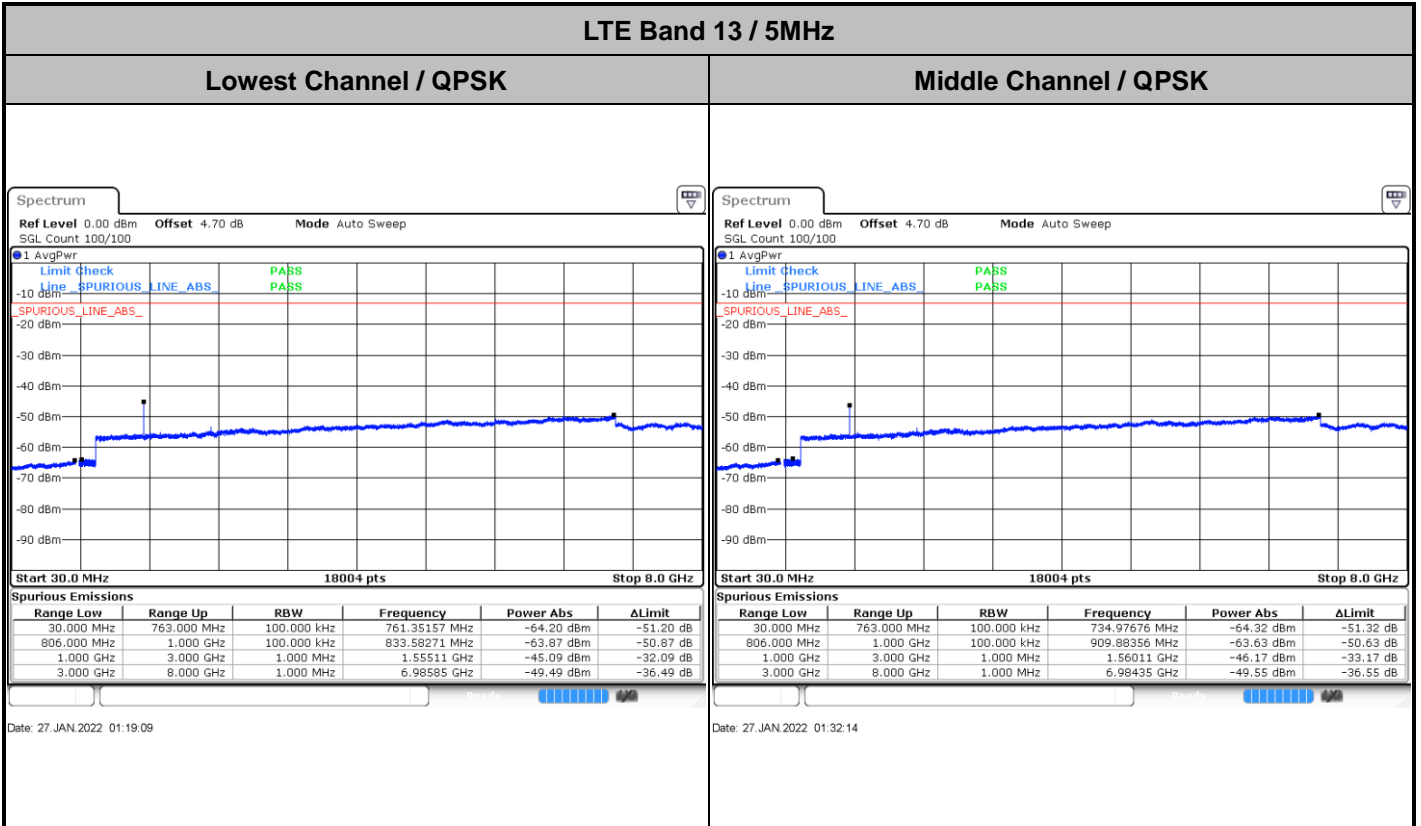
middle Band Edge / Full RB



Date: 24.FEB.2022 14:24:22



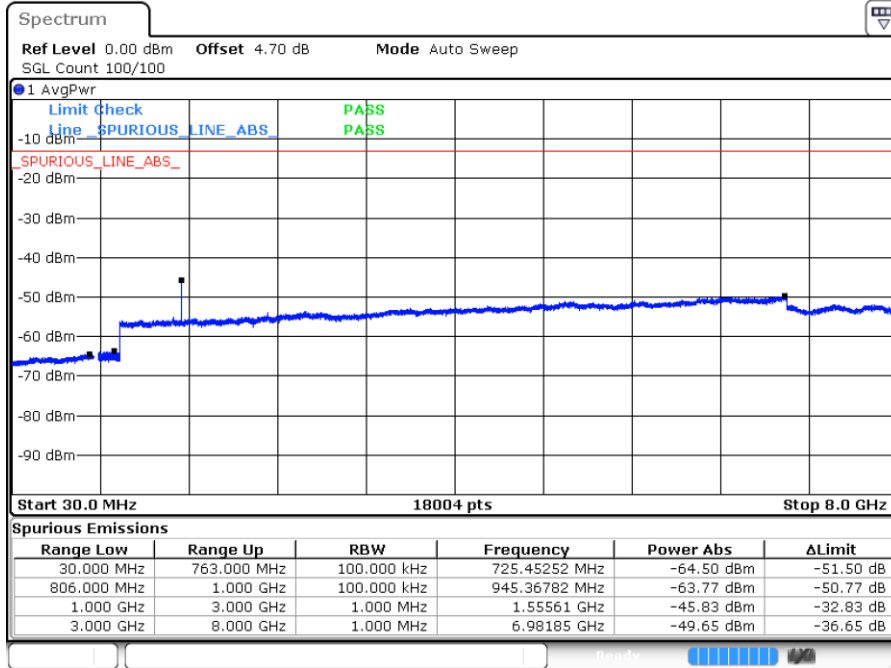
# Conducted Spurious Emission





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 27 JAN 2022 01:47:17



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 =3.87 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 26\_Part 22H

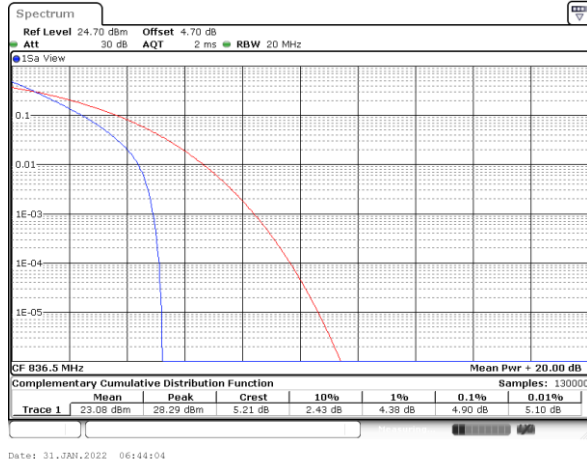
### Peak-to-Average Ratio

Mode	LTE Band 26 / 15MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.90	5.86	6.55	PASS
Mode	LTE Band 26 / 15MHz			
Mod.	256QAM			Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	6.67			PASS

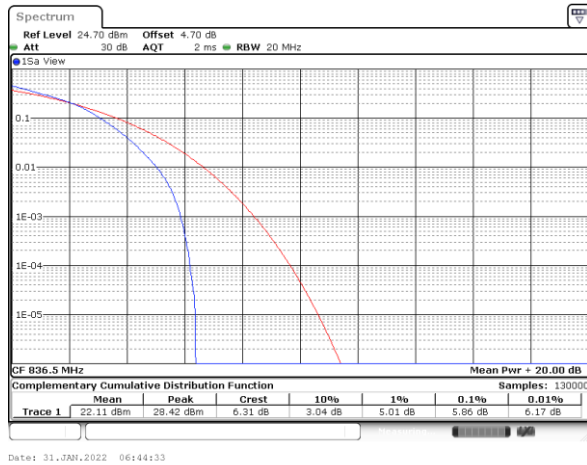


LTE Band 26 / 15MHz

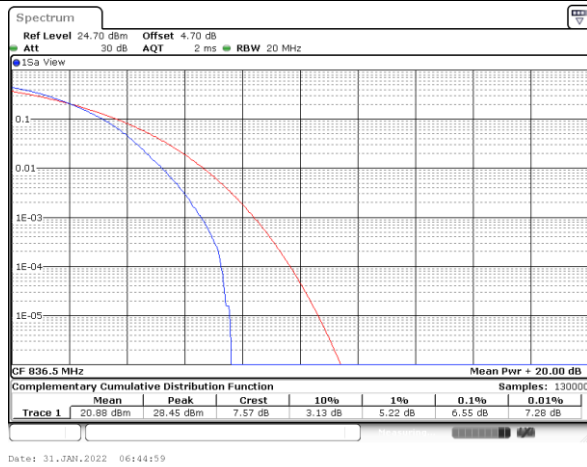
Middle Channel / Full RB/ QPSK



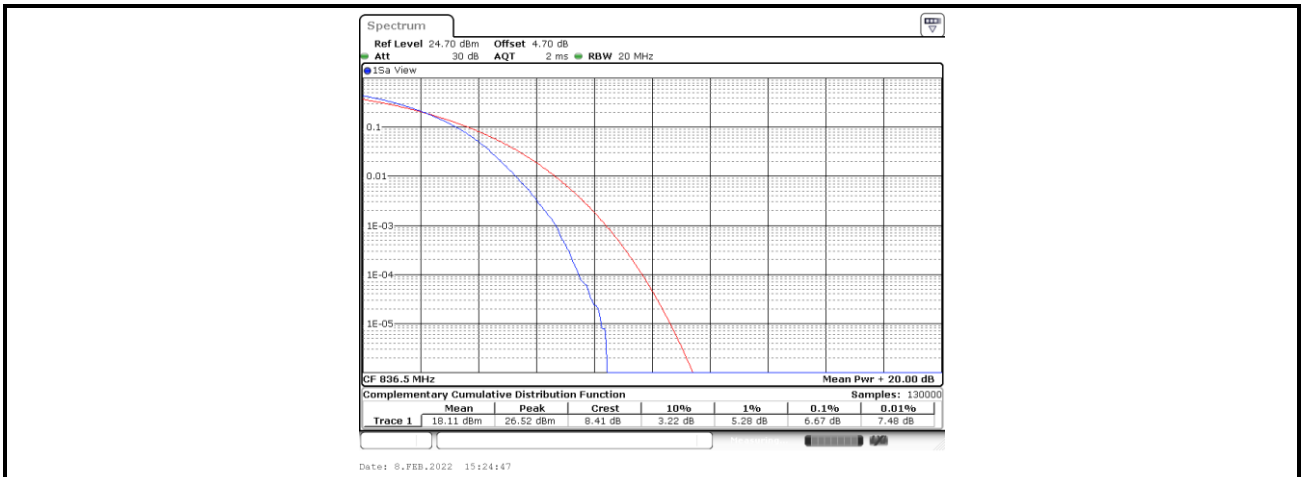
Middle Channel / Full RB/ 16QAM



Middle Channel / Full RB/ 64QAM



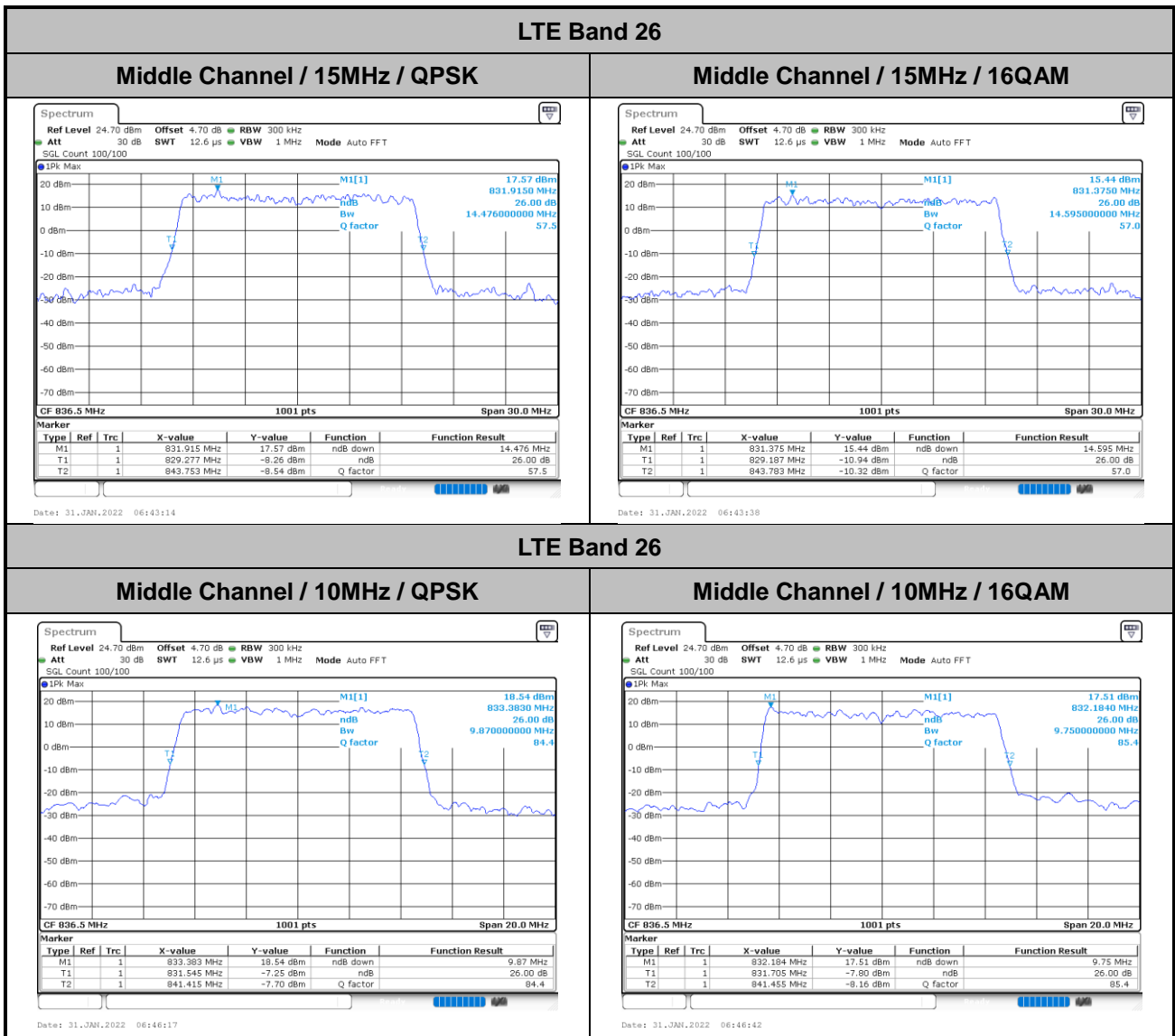
Middle Channel / Full RB/256QAM





**26dB Bandwidth**

<b>Mode</b>	<b>LTE Band 26 : 26dB BW(MHz)</b>	
<b>BW</b>	<b>15MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	<b>14.48</b>	<b>14.60</b>
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	<b>9.87</b>	<b>9.75</b>

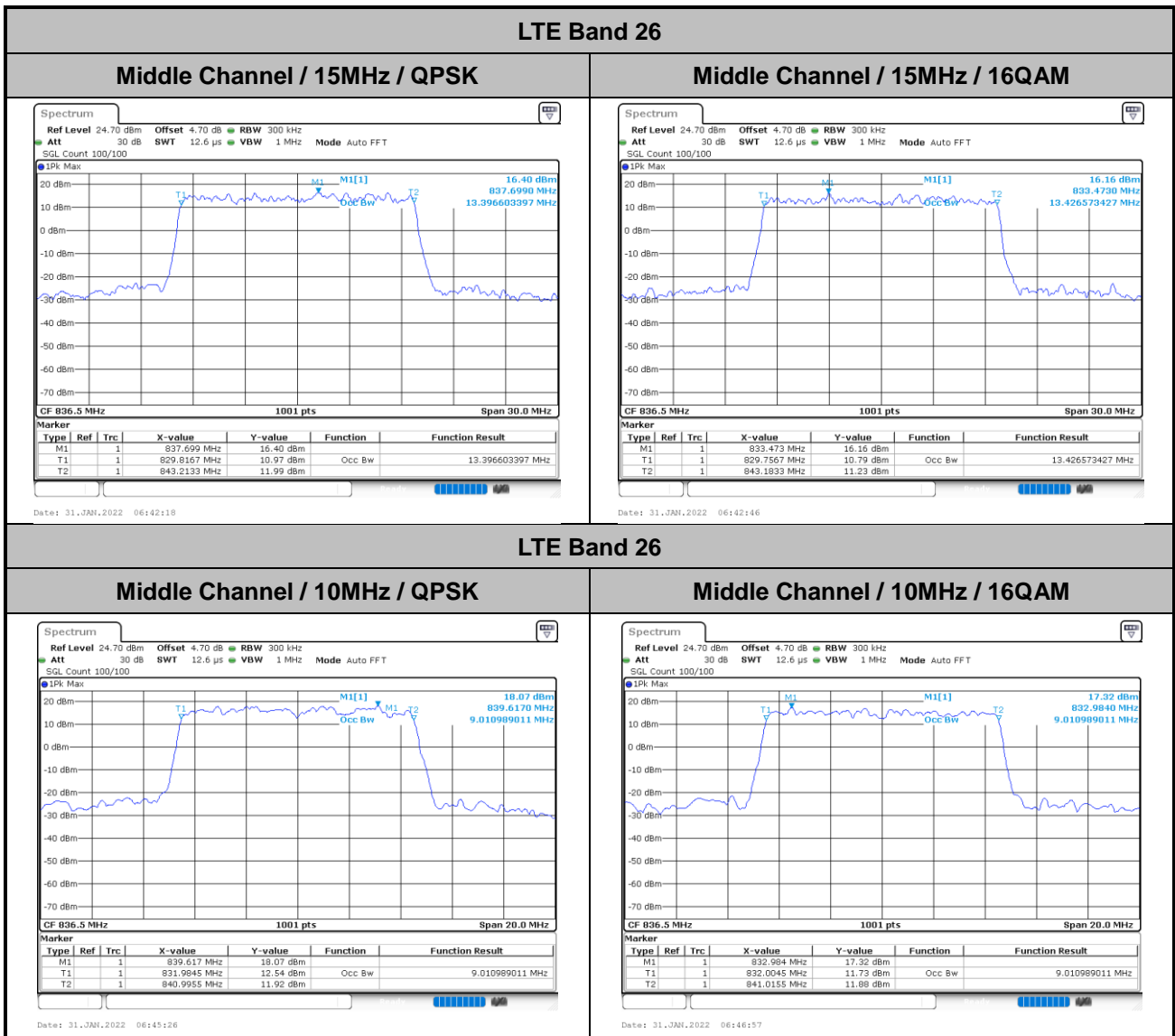






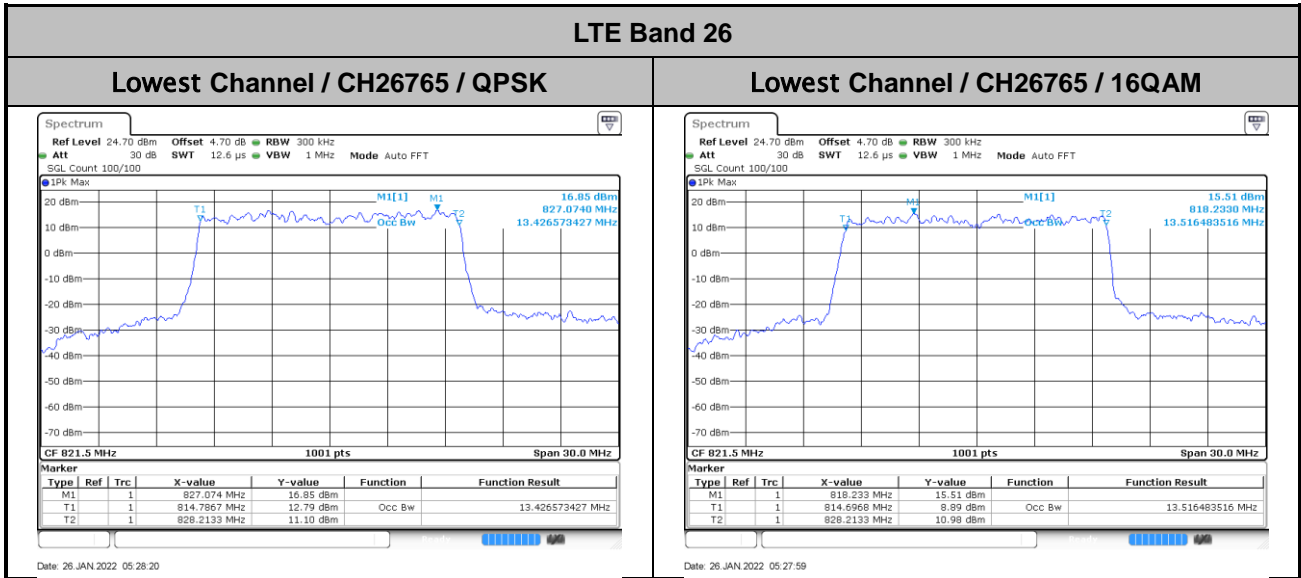
# Occupied Bandwidth

<b>Mode</b>	<b>LTE Band 26 : 99%OBW(MHz)</b>	
<b>BW</b>	<b>15MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	<b>13.40</b>	<b>13.43</b>
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	<b>9.01</b>	<b>9.01</b>



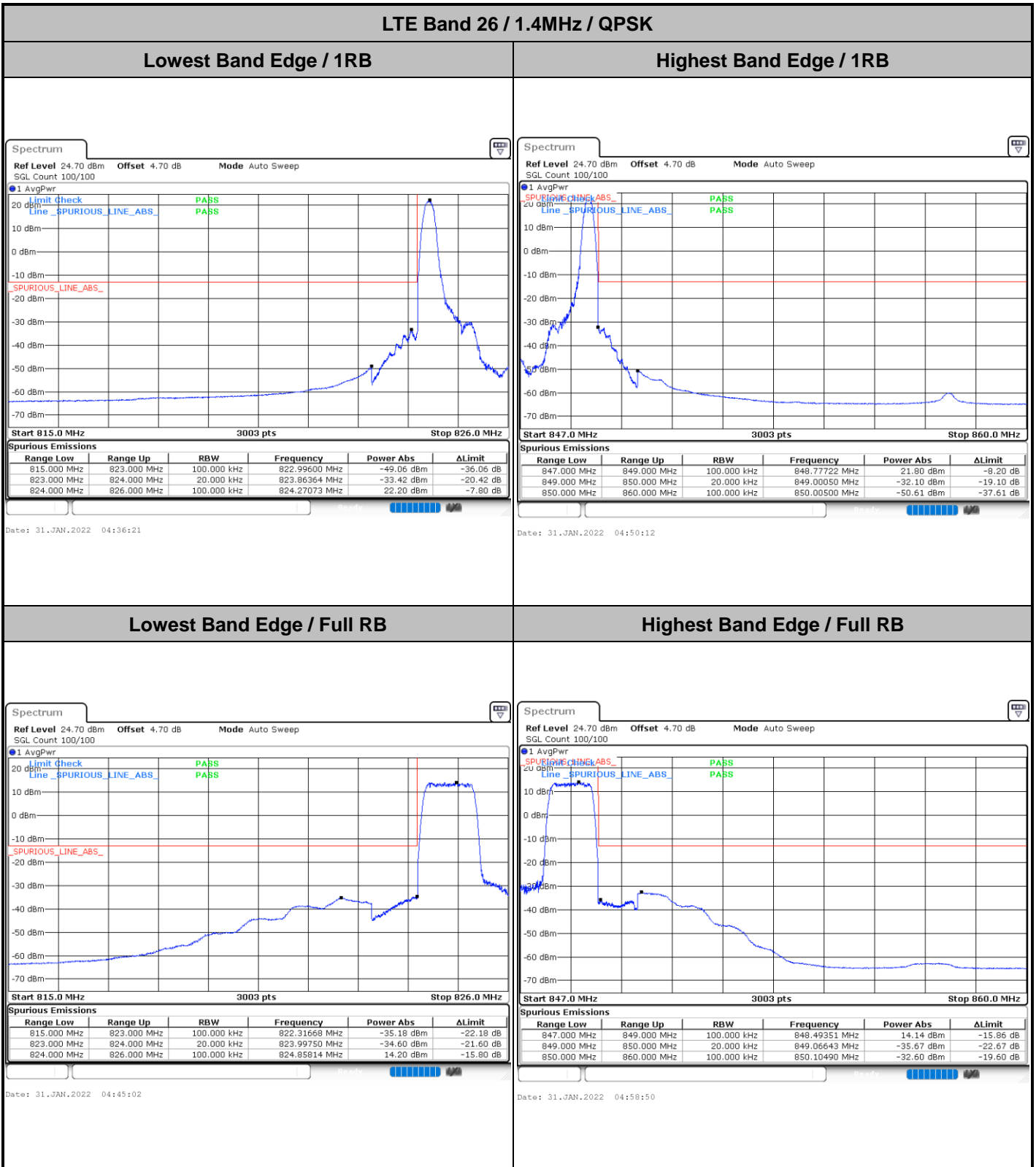


Mode	LTE Band 26 : 99%OBW(MHz)	
BW	CH26765	
Mod.	QPSK	16QAM
Low CH	13.43	13.52





# Conducted Band Edge

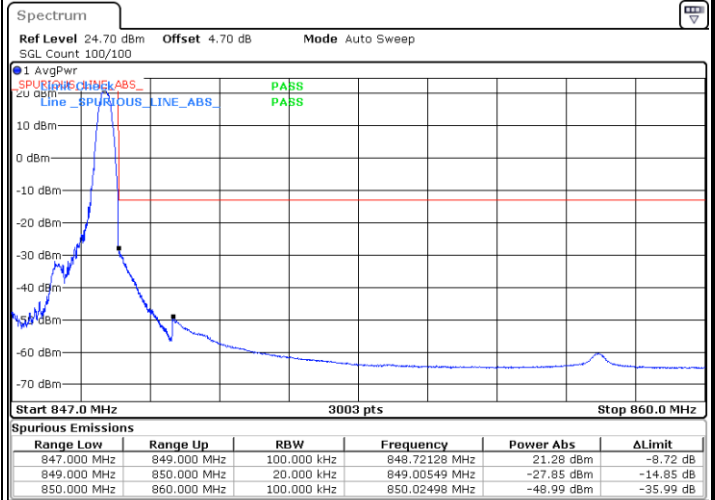




LTE Band 26 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

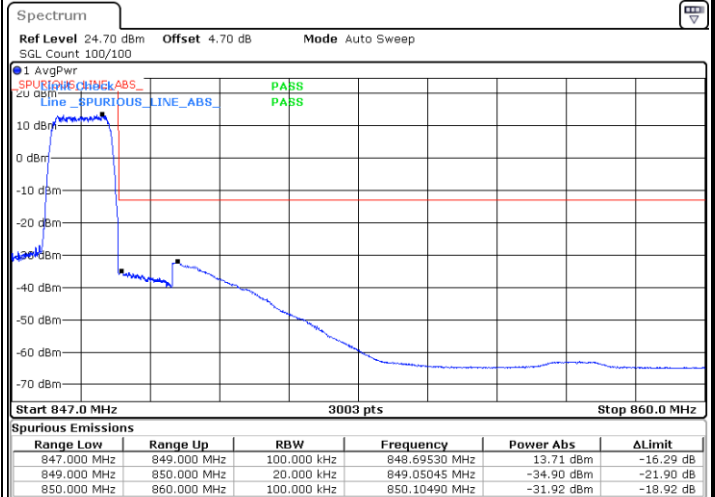
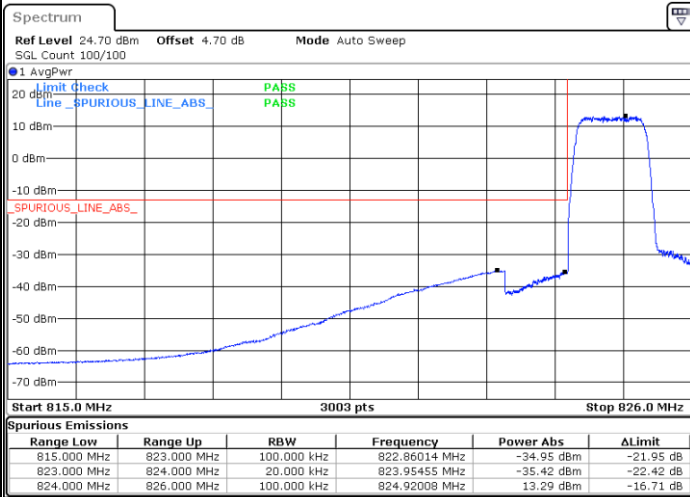


Date: 31.JAN.2022 04:38:05

Date: 31.JAN.2022 04:51:56

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



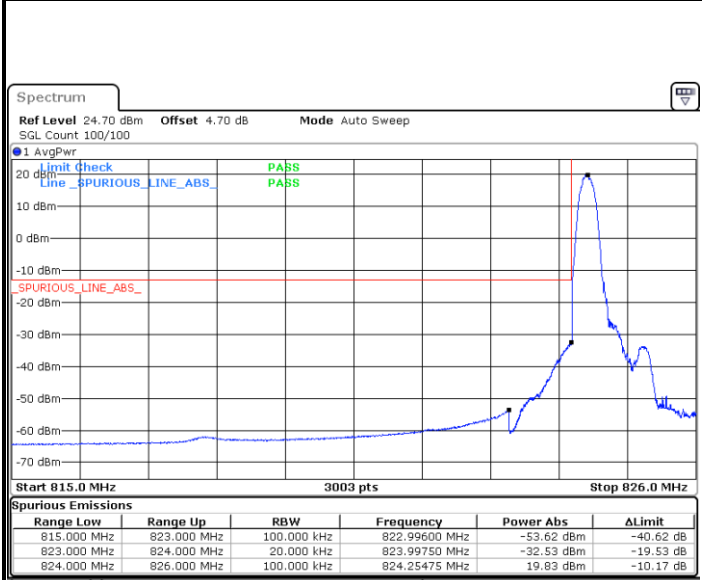
Date: 31.JAN.2022 04:43:18

Date: 31.JAN.2022 04:57:06

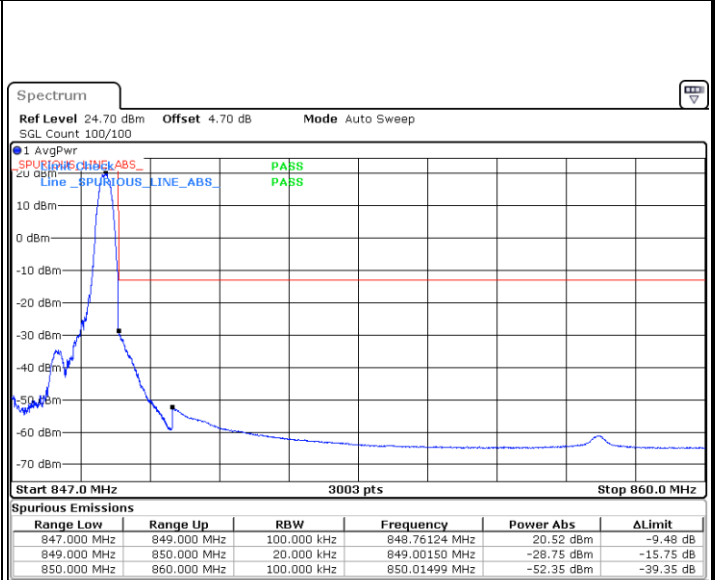


LTE Band 26 / 1.4MHz / 64QAM

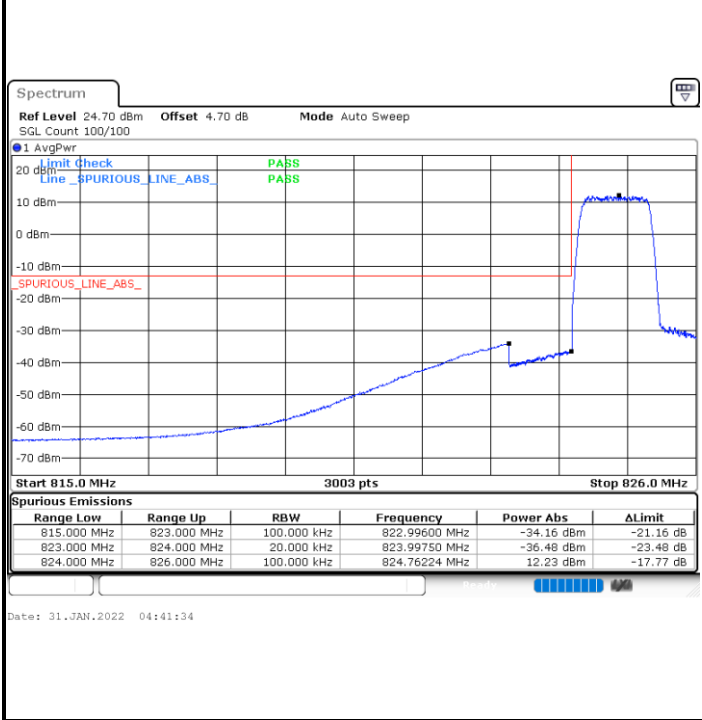
Lowest Band Edge / 1 RB



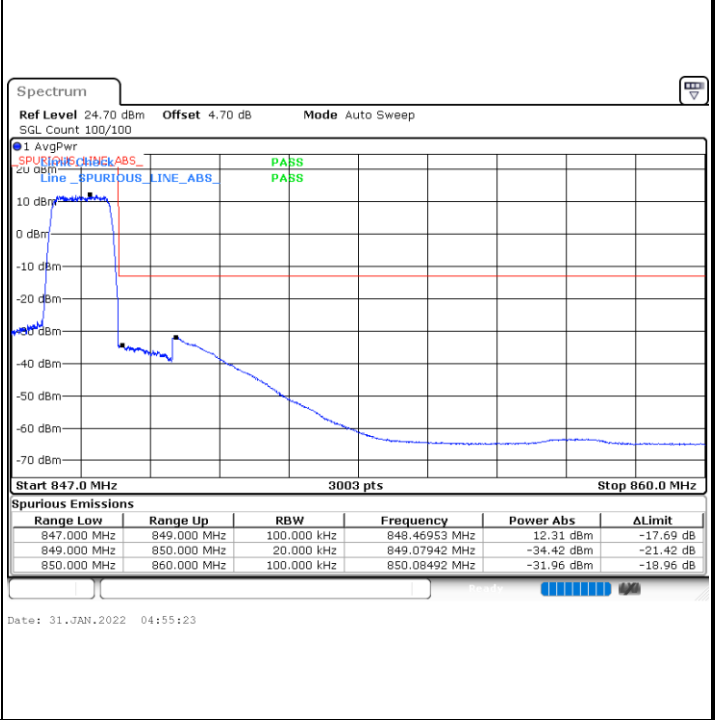
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



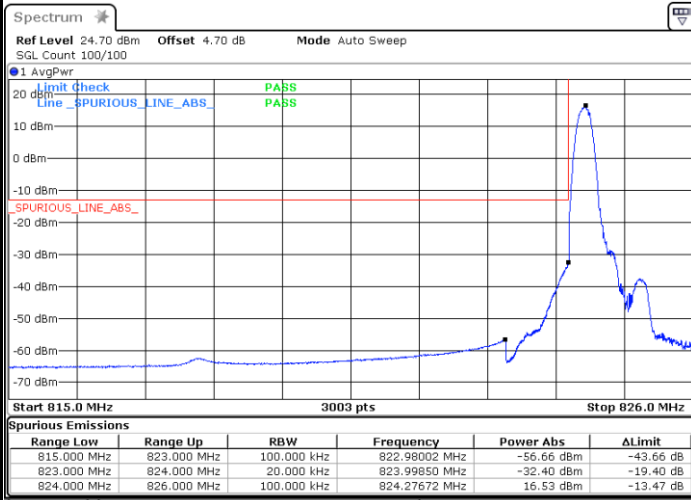
Highest Band Edge / Full RB





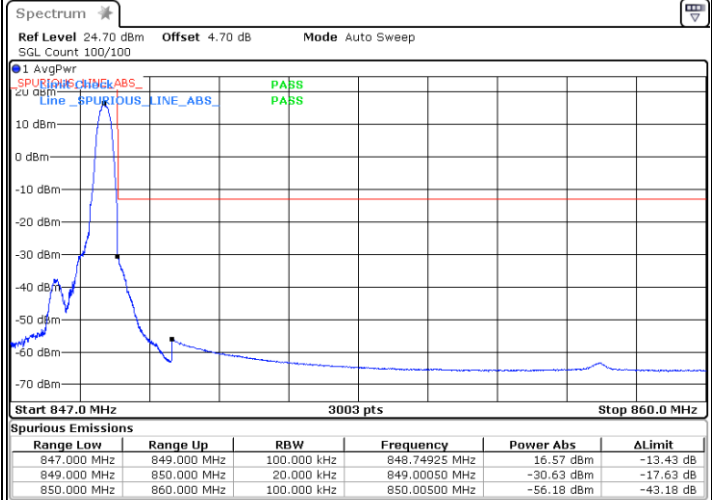
LTE Band 26 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



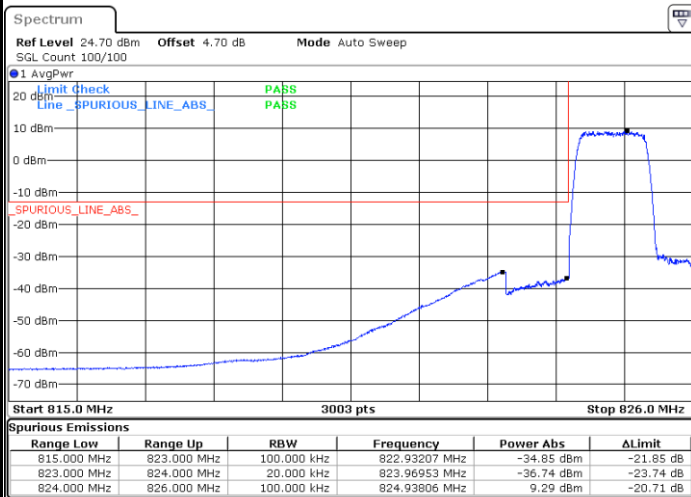
Date: 8.FEB.2022 14:37:31

Highest Band Edge / 1 RB



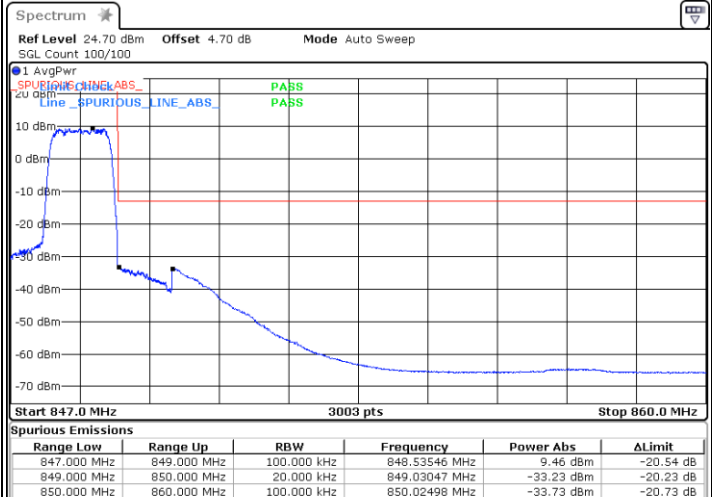
Date: 8.FEB.2022 14:41:43

Lowest Band Edge / Full RB



Date: 8.FEB.2022 14:34:57

Highest Band Edge / Full RB



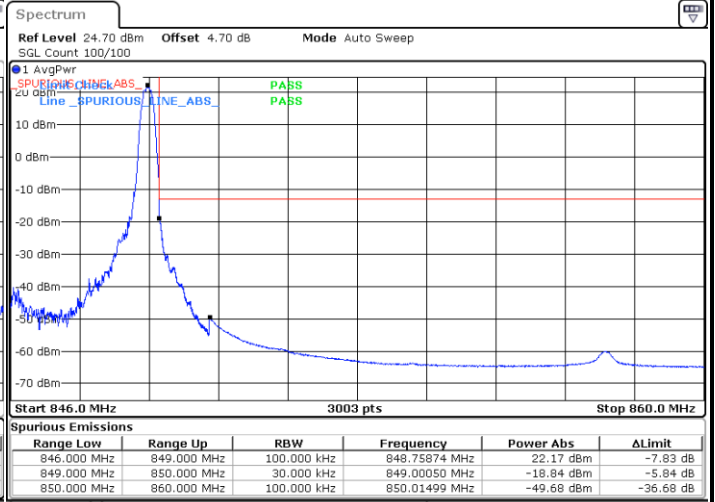
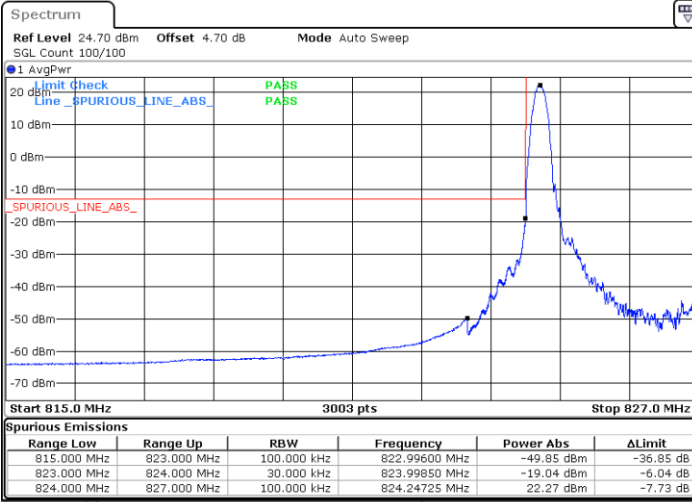
Date: 8.FEB.2022 14:44:48



LTE Band 26 / 3MHz / QPSK

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

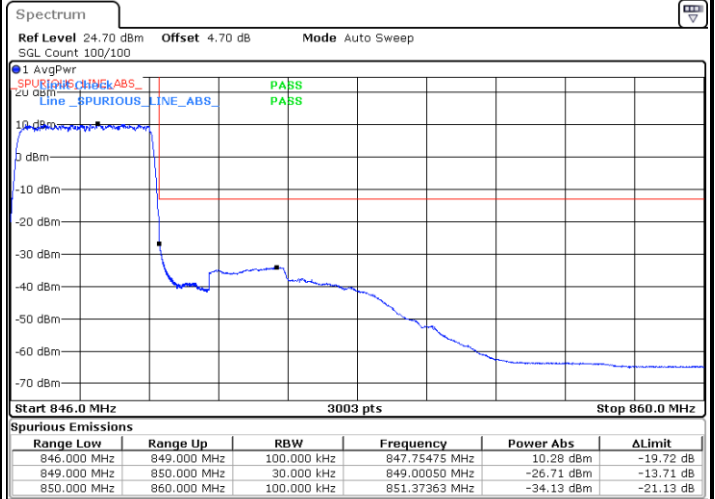
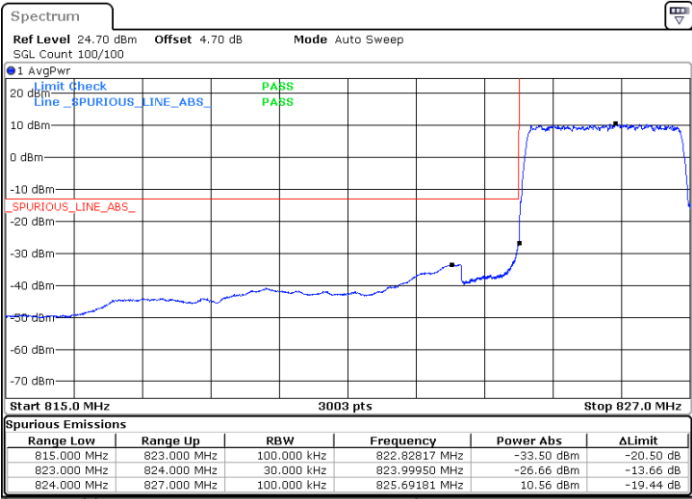


Date: 31.JAN.2022 05:02:08

Date: 31.JAN.2022 05:15:57

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



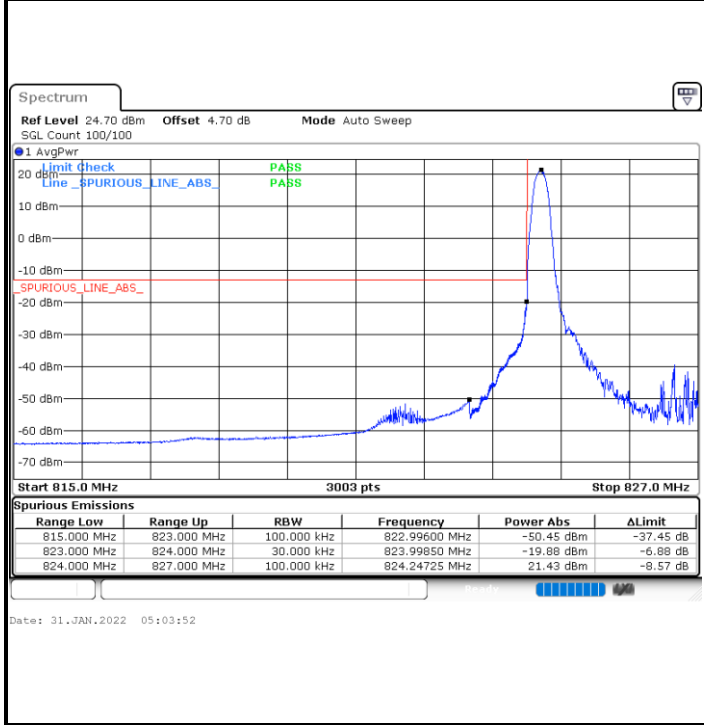
Date: 31.JAN.2022 05:10:46

Date: 31.JAN.2022 05:24:34

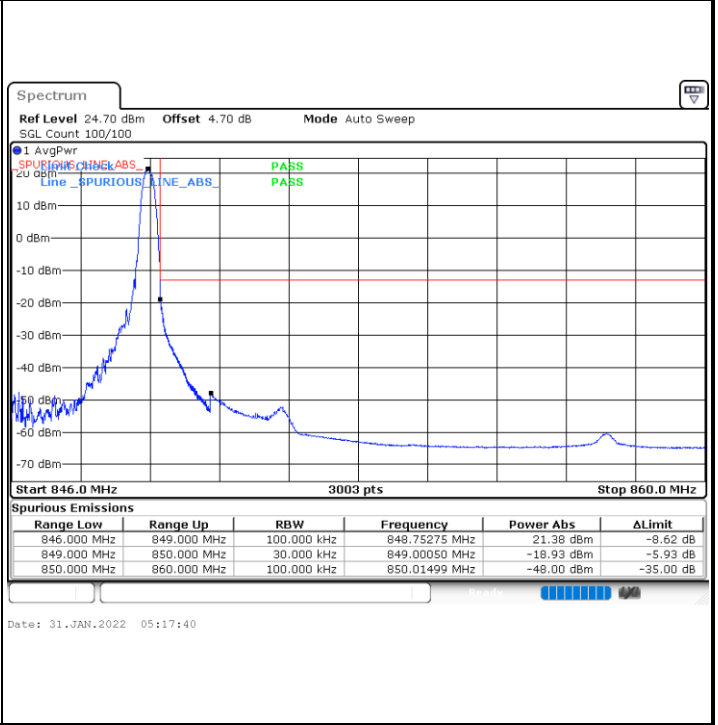


**LTE Band 26 / 3MHz / 16QAM**

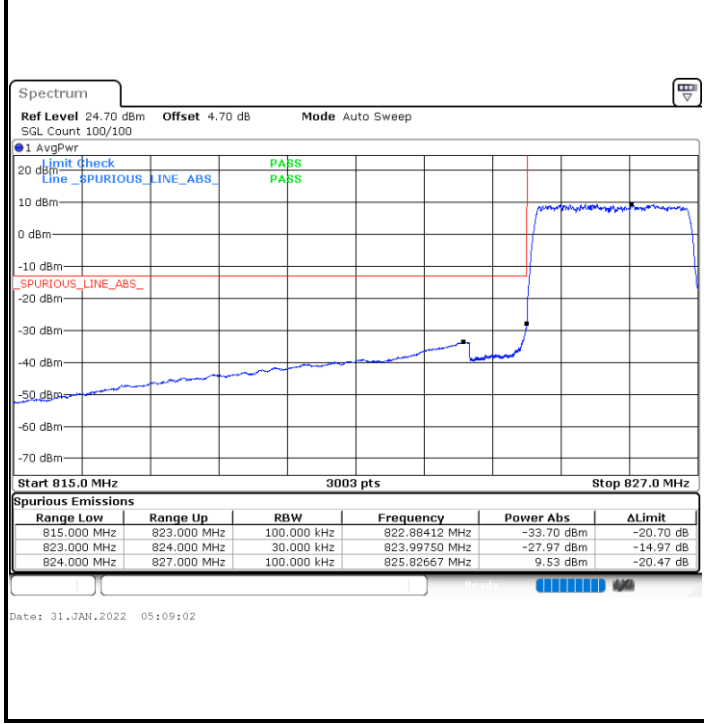
**Lowest Band Edge / 1 RB**



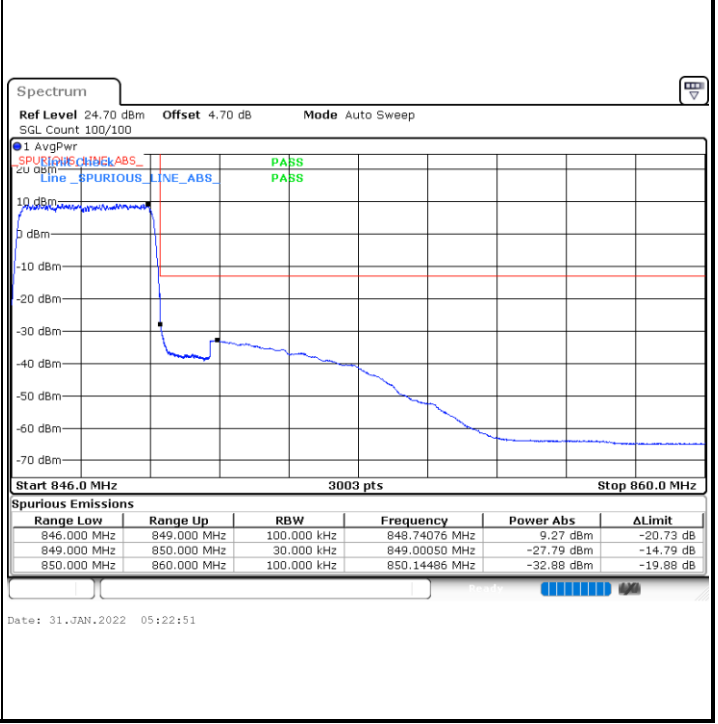
**Highest Band Edge / 1 RB**



**Lowest Band Edge / Full RB**



**Highest Band Edge / Full RB**

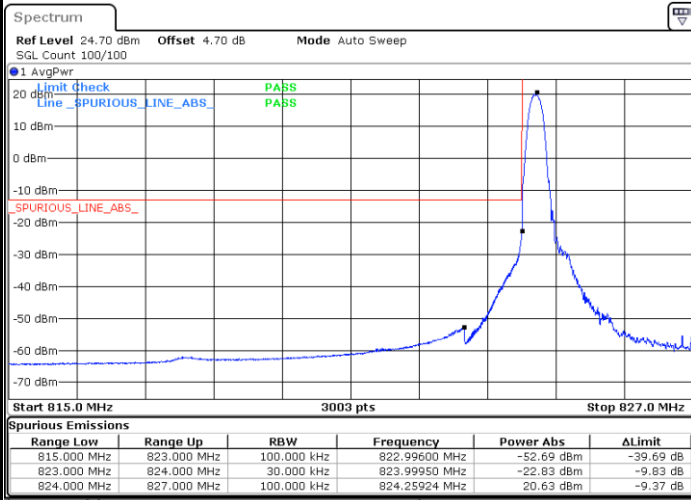






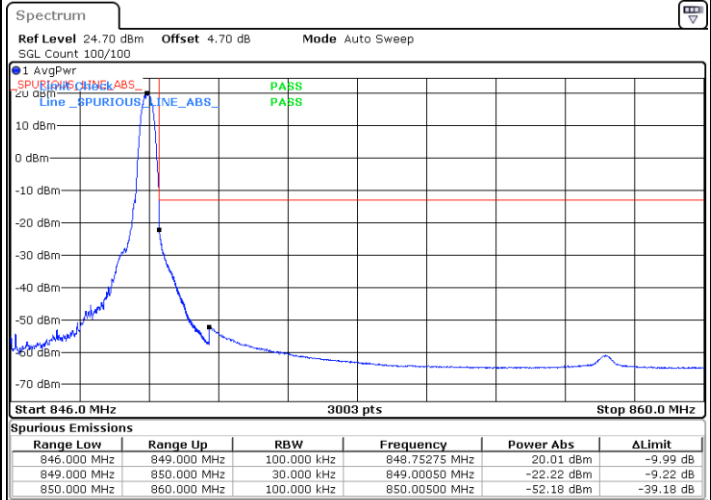
LTE Band 26 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



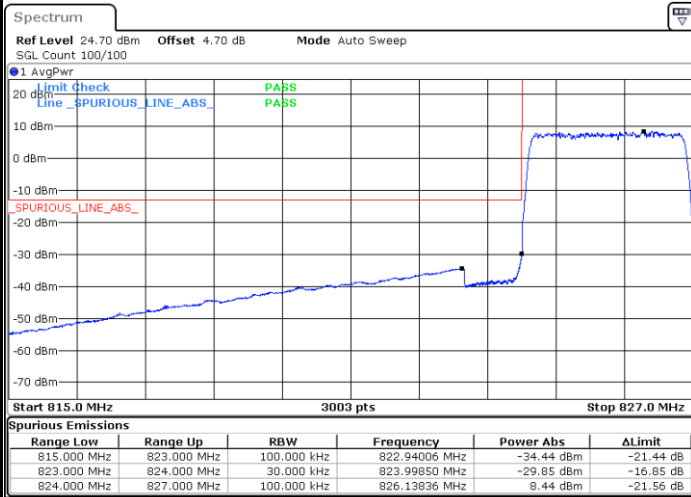
Date: 31.JAN.2022 05:05:35

Highest Band Edge / 1 RB



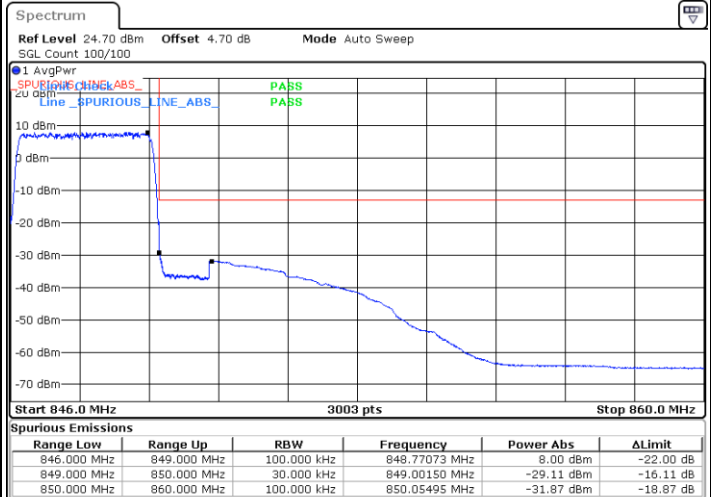
Date: 31.JAN.2022 05:19:24

Lowest Band Edge / Full RB



Date: 31.JAN.2022 05:07:19

Highest Band Edge / Full RB

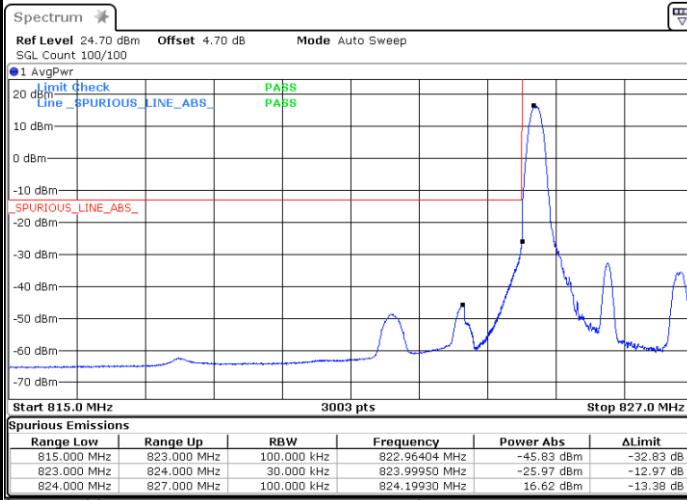


Date: 31.JAN.2022 05:21:07

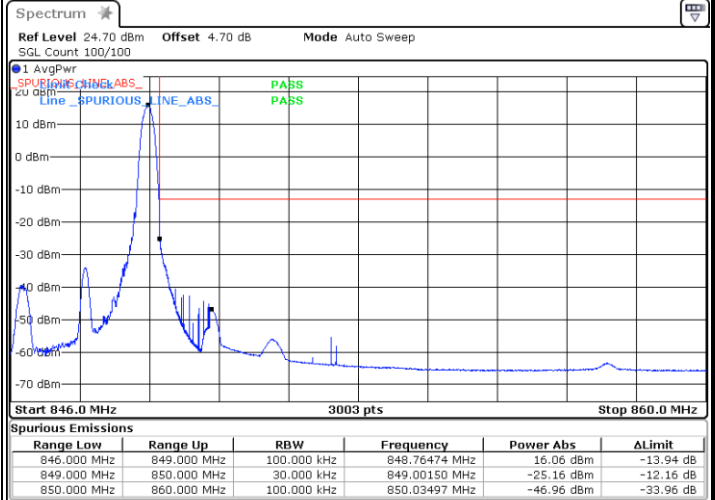


LTE Band 26 / 3MHz / 256QAM

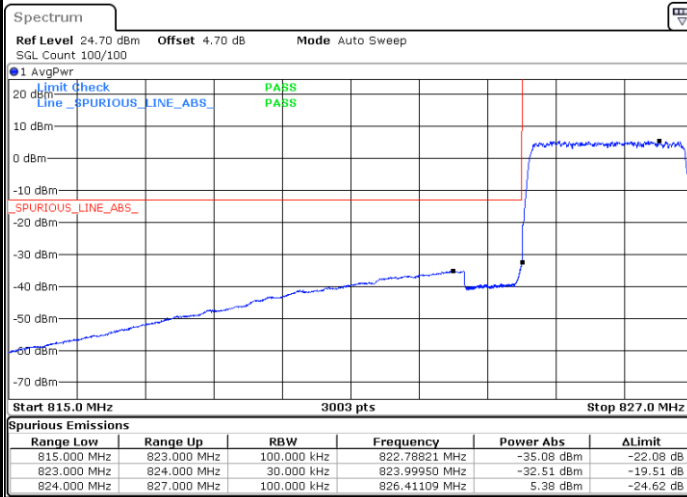
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



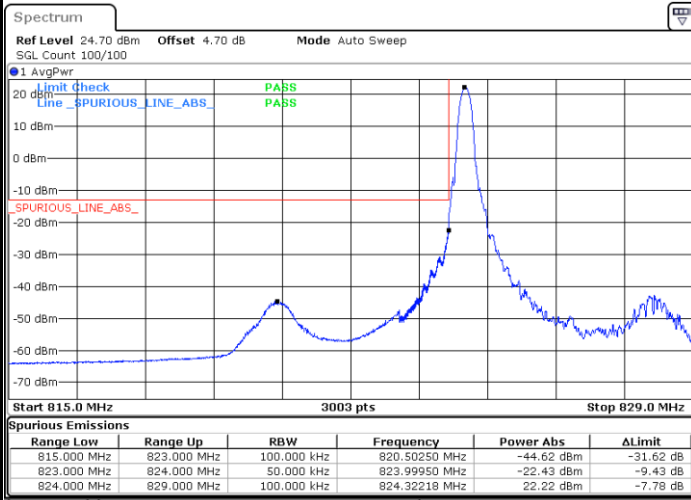
Highest Band Edge / Full RB





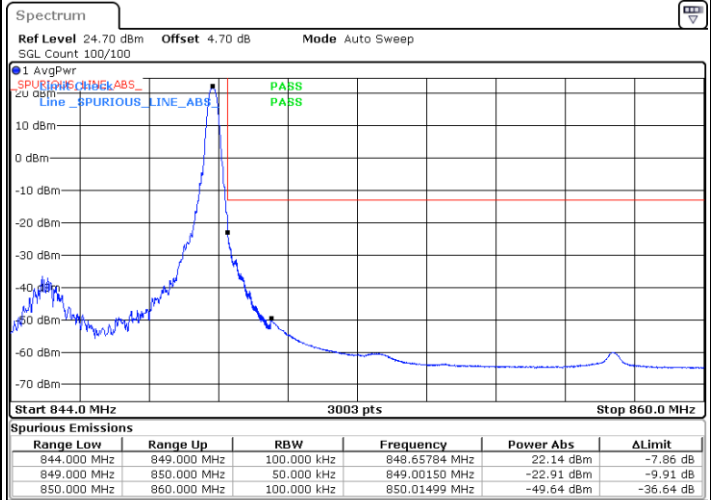
LTE Band 26 / 5MHz / QPSK

Lowest Band Edge / 1 RB



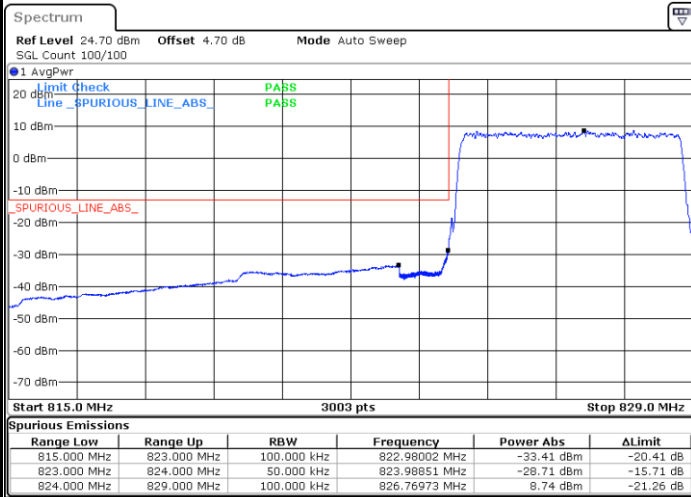
Date: 31.JAN.2022 05:27:54

Highest Band Edge / 1 RB



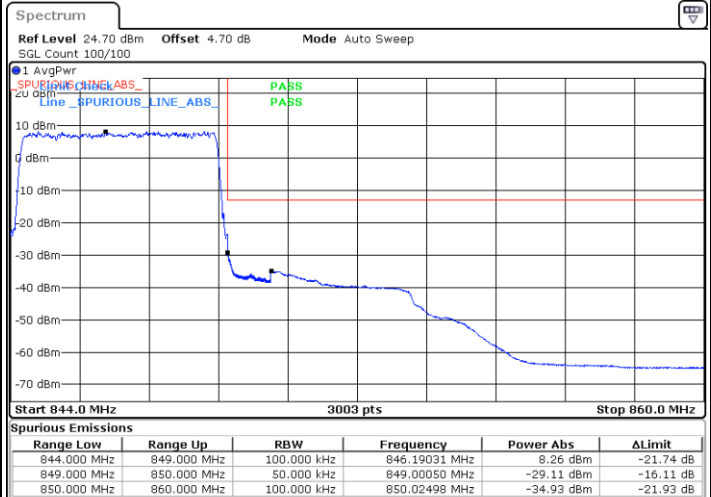
Date: 31.JAN.2022 05:41:42

Lowest Band Edge / Full RB



Date: 31.JAN.2022 05:36:32

Highest Band Edge / Full RB



Date: 31.JAN.2022 05:50:20