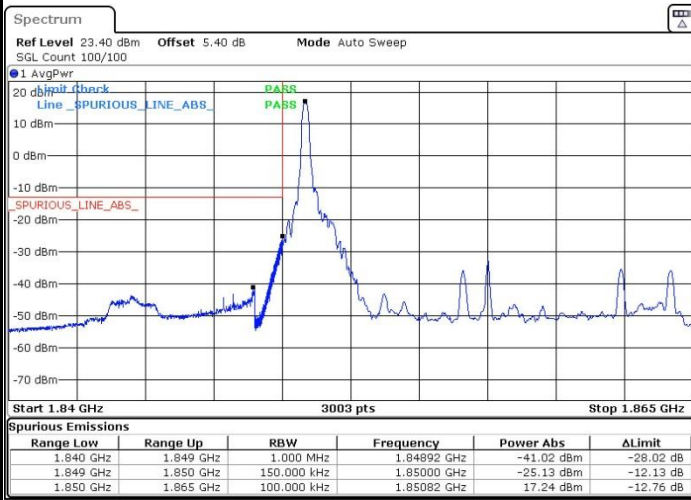


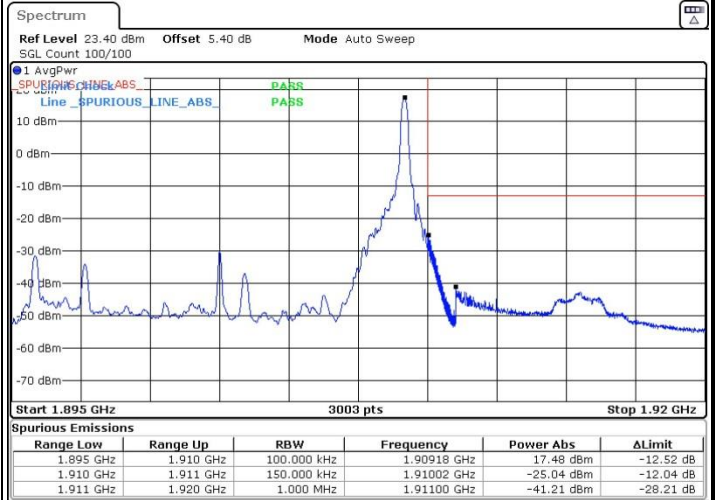


LTE Band 2 / 15MHz / 16QAM

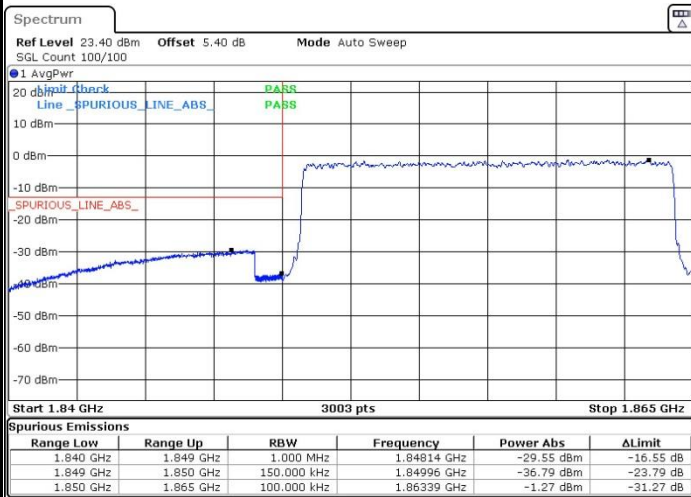
Lowest Band Edge / 1 RB



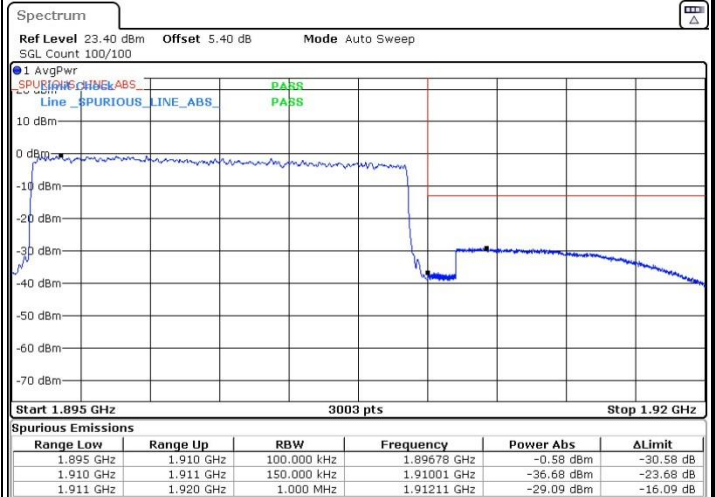
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



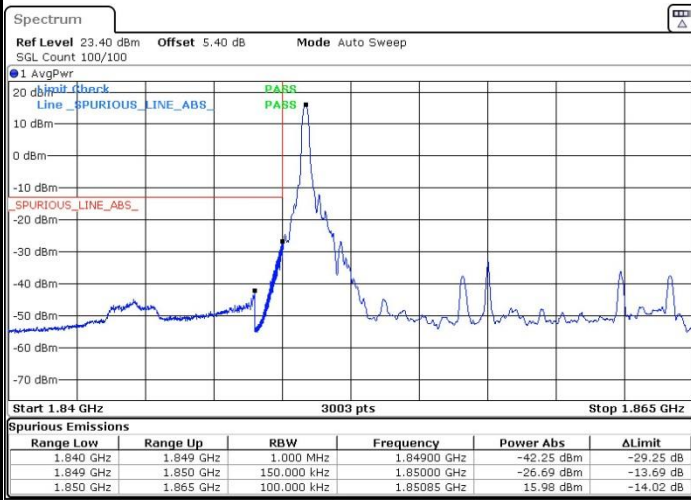
Highest Band Edge / Full RB





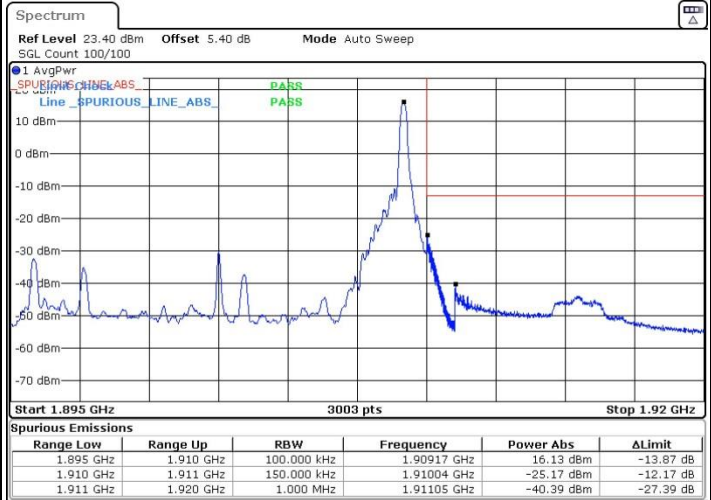
LTE Band 2 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



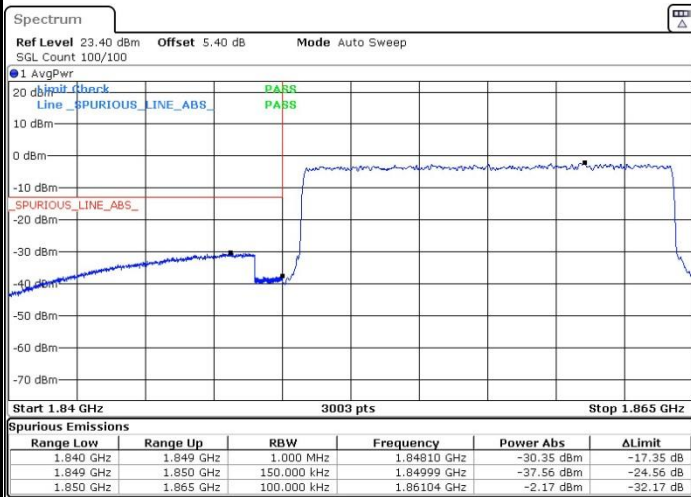
Date: 6.FEB.2022 23:26:33

Highest Band Edge / 1 RB



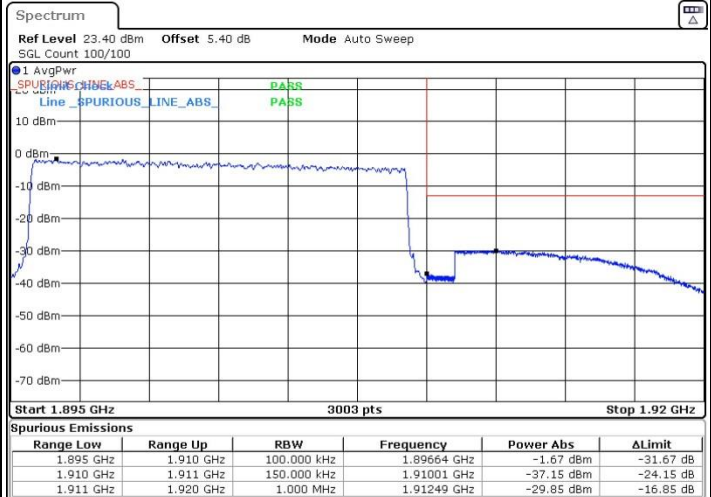
Date: 6.FEB.2022 23:50:26

Lowest Band Edge / Full RB



Date: 6.FEB.2022 23:31:14

Highest Band Edge / Full RB



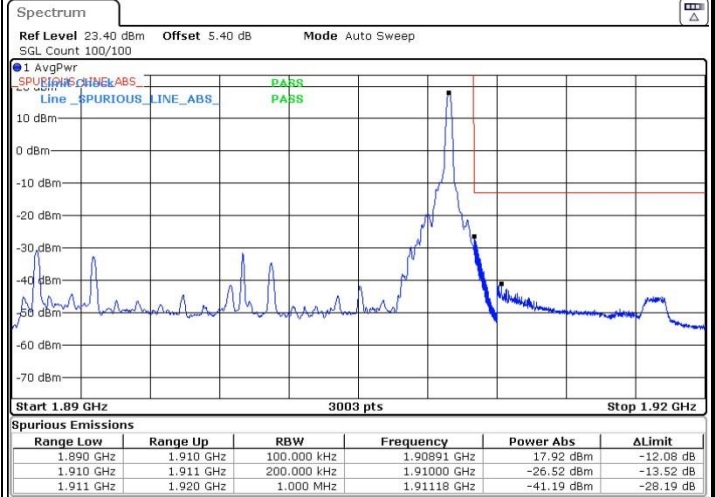
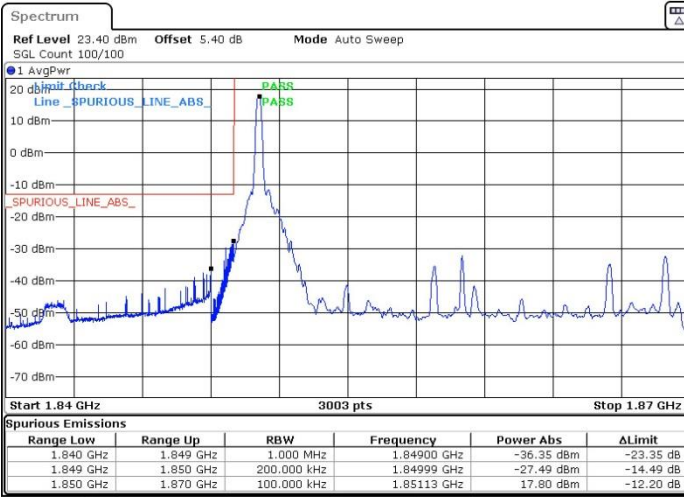
Date: 6.FEB.2022 23:51:53



LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

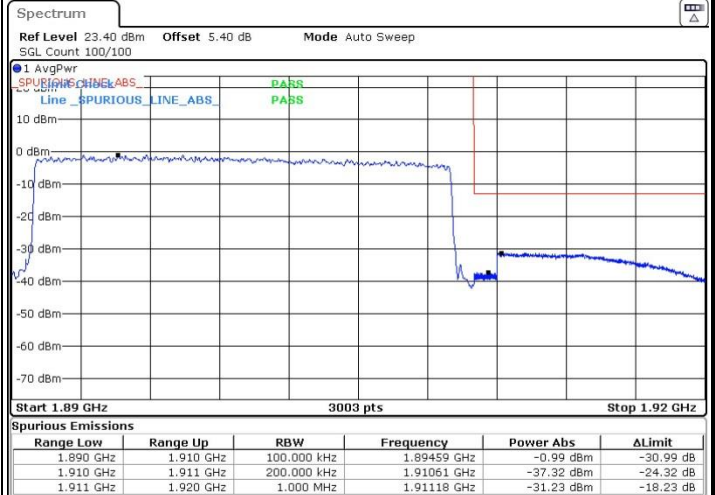
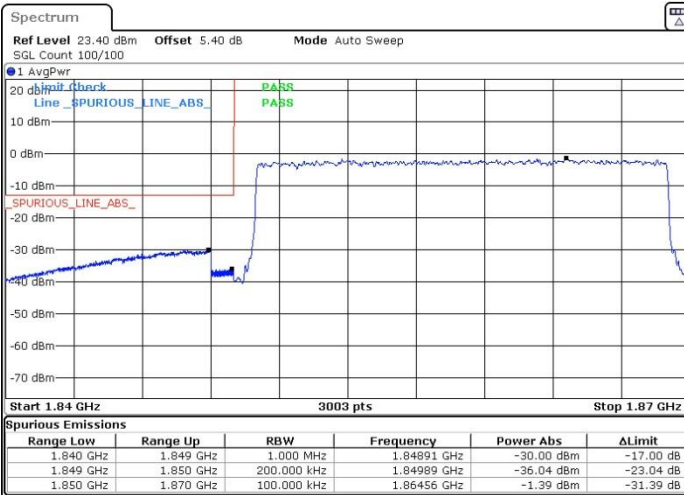


Date: 7.FEB.2022 00:01:25

Date: 7.FEB.2022 00:43:29

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



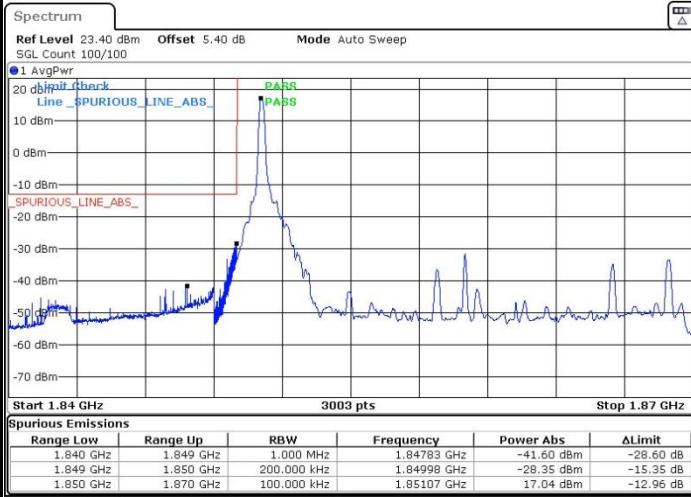
Date: 7.FEB.2022 00:05:22

Date: 7.FEB.2022 00:45:46



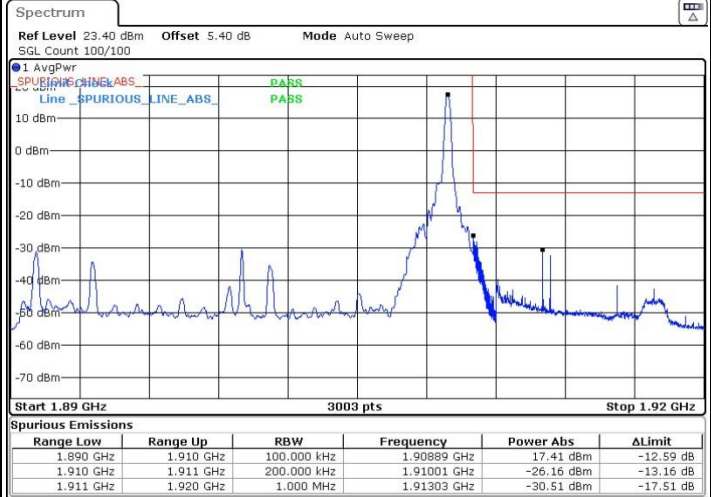
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



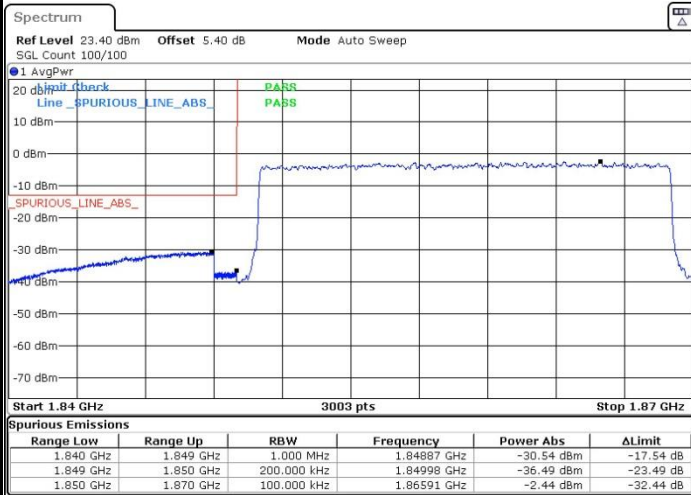
Date: 7.FEB.2022 00:02:10

Highest Band Edge / 1 RB



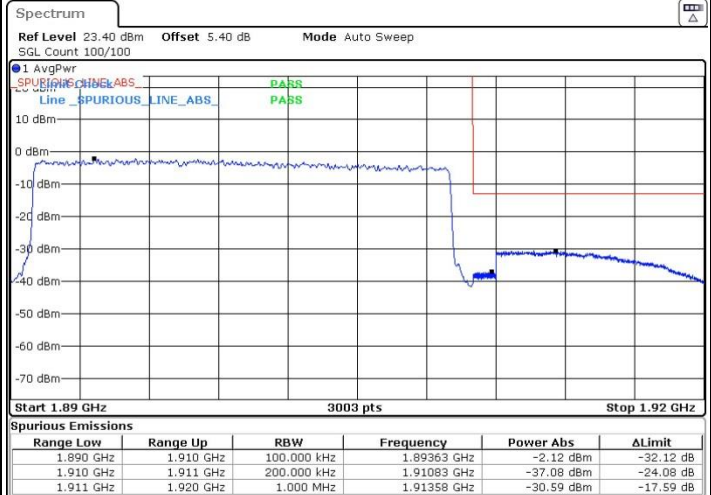
Date: 7.FEB.2022 00:43:54

Lowest Band Edge / Full RB



Date: 7.FEB.2022 00:04:50

Highest Band Edge / Full RB

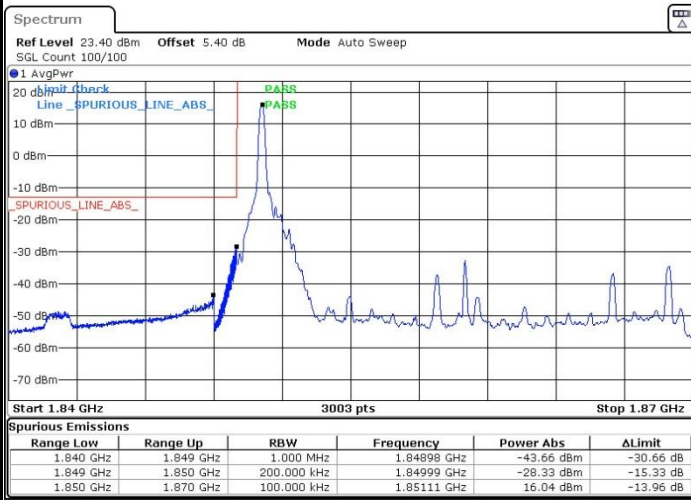


Date: 7.FEB.2022 00:45:24



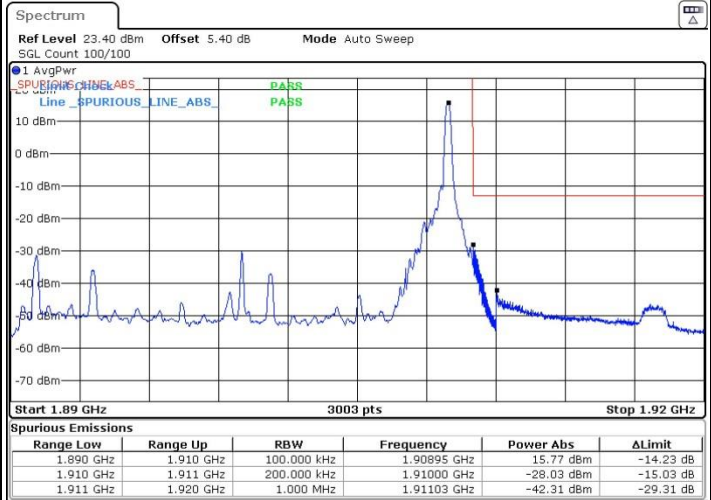
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



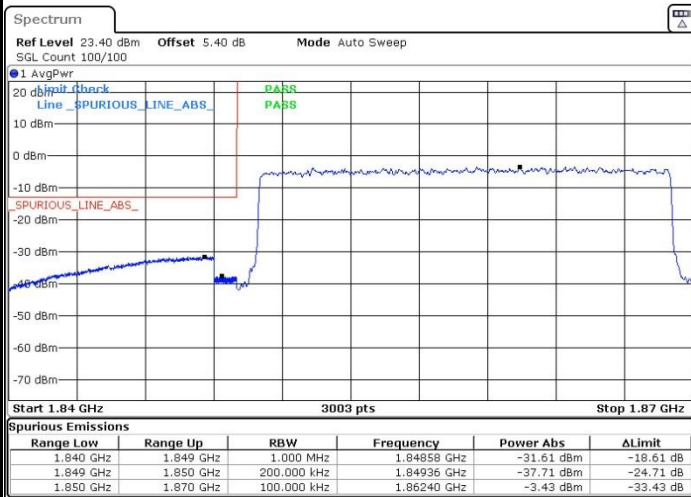
Date: 7.FEB.2022 00:03:12

Highest Band Edge / 1 RB



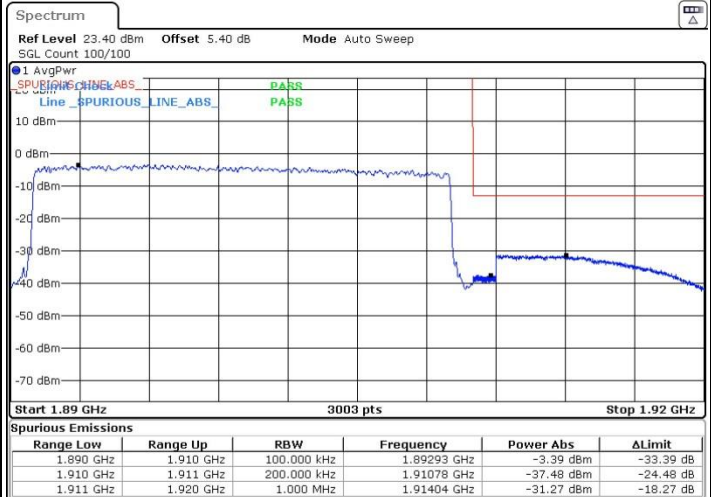
Date: 7.FEB.2022 00:44:23

Lowest Band Edge / Full RB



Date: 7.FEB.2022 00:04:22

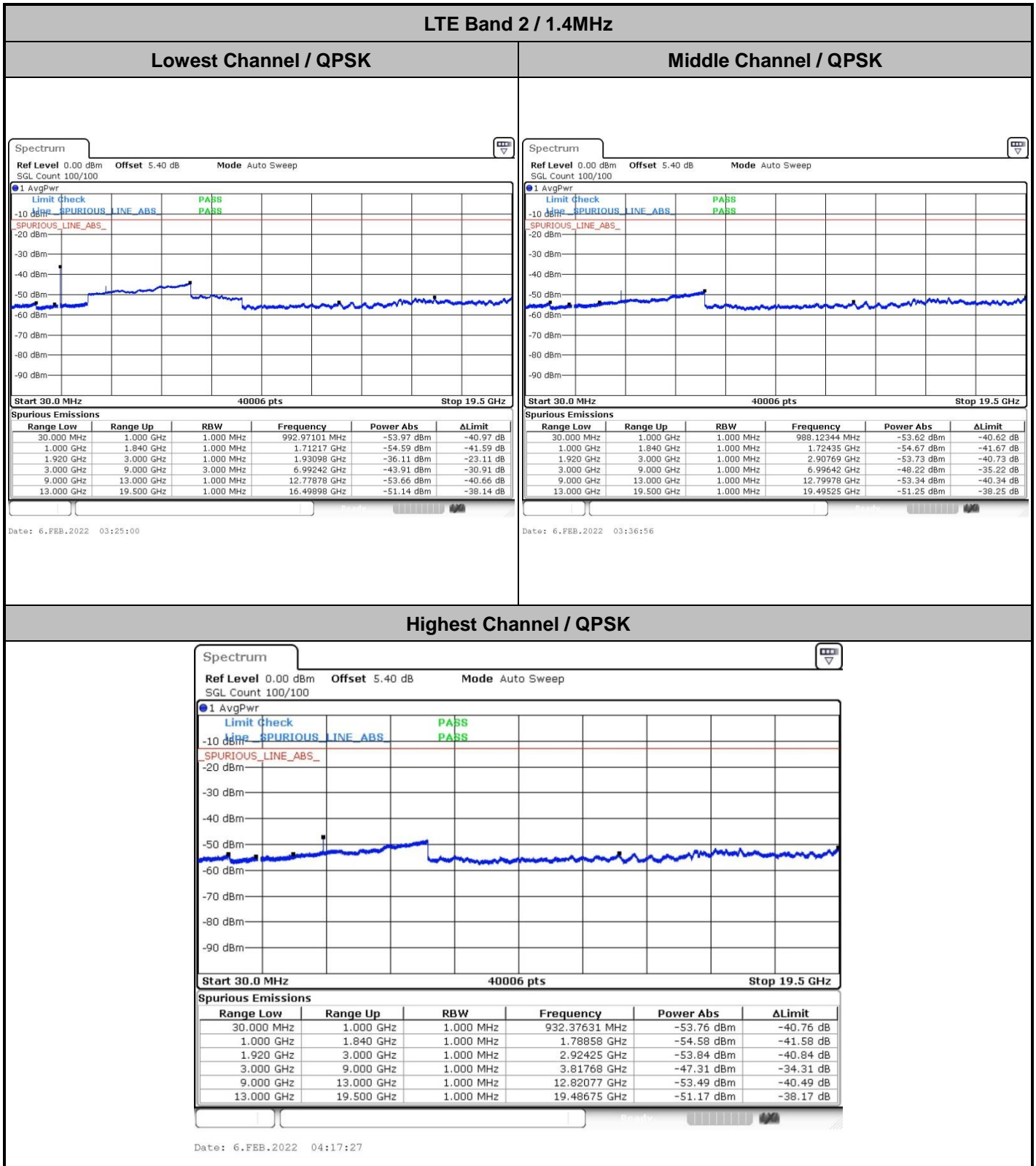
Highest Band Edge / Full RB



Date: 7.FEB.2022 00:44:52



# Conducted Spurious Emission

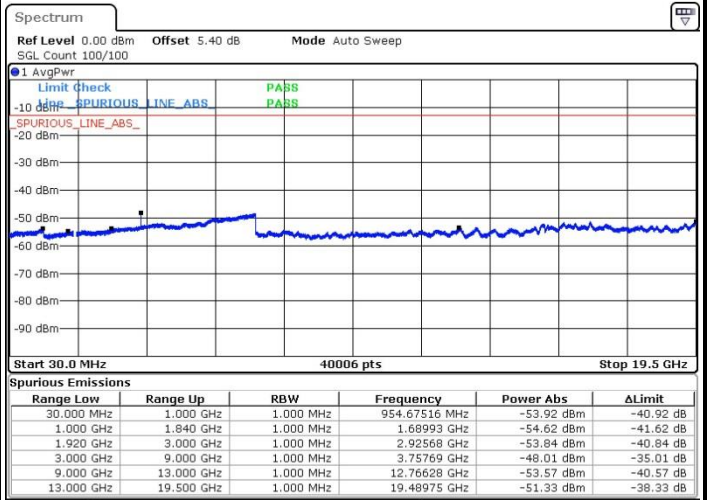
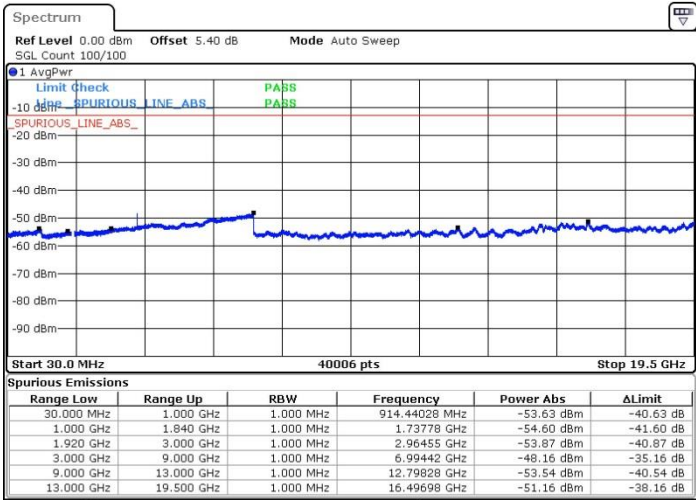




LTE Band 2 / 3MHz

Lowest Channel / QPSK

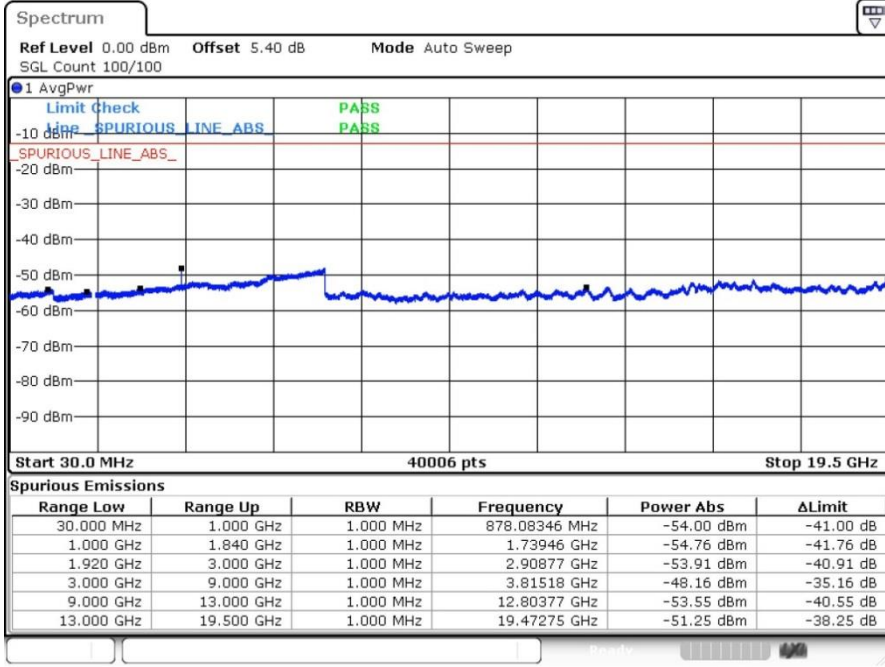
Middle Channel / QPSK



Date: 6.FEB.2022 04:35:57

Date: 6.FEB.2022 04:48:58

Highest Channel / QPSK



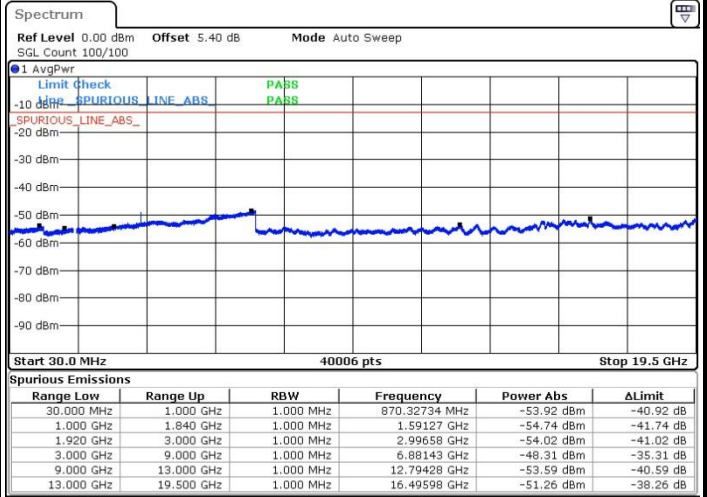
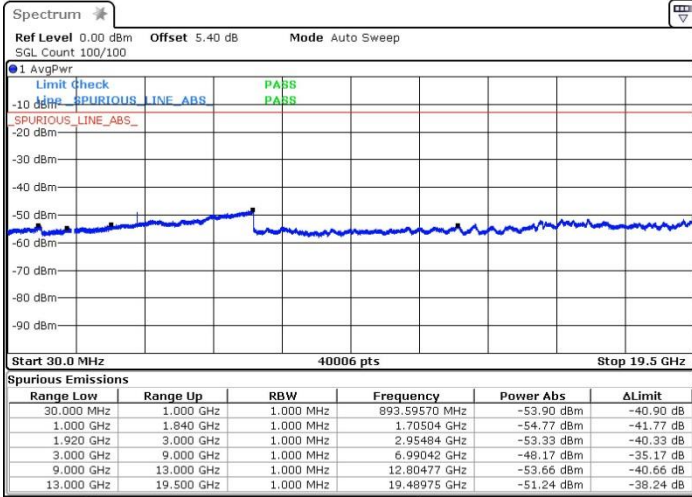
Date: 6.FEB.2022 04:54:10



LTE Band 2 / 5MHz

Lowest Channel / QPSK

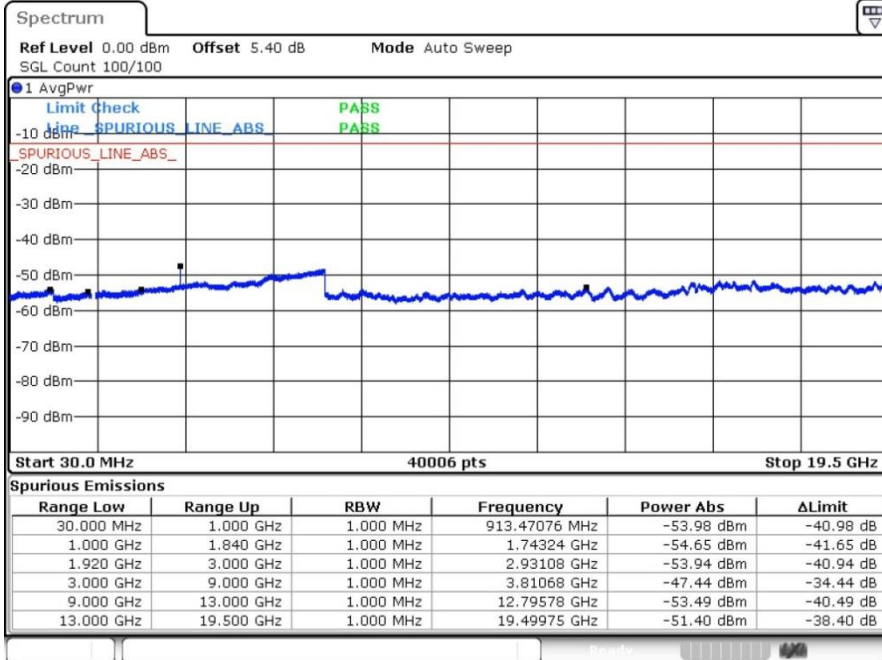
Middle Channel / QPSK



Date: 6.FEB.2022 05:08:51

Date: 6.FEB.2022 05:18:42

Highest Channel / QPSK



Date: 6.FEB.2022 05:22:33

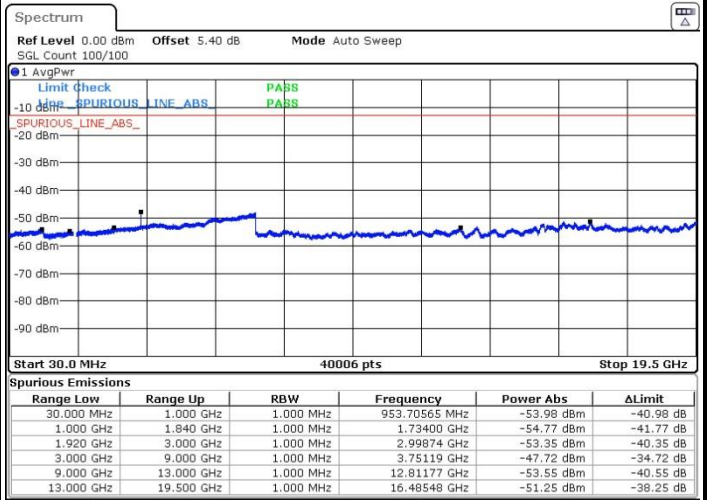
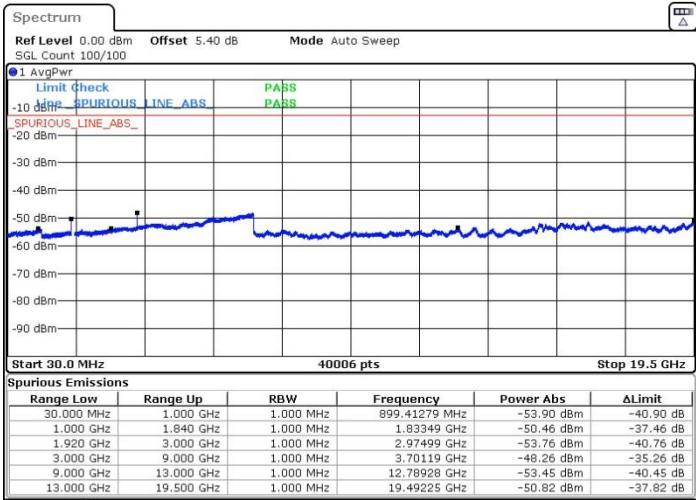




LTE Band 2 / 10MHz

Lowest Channel / QPSK

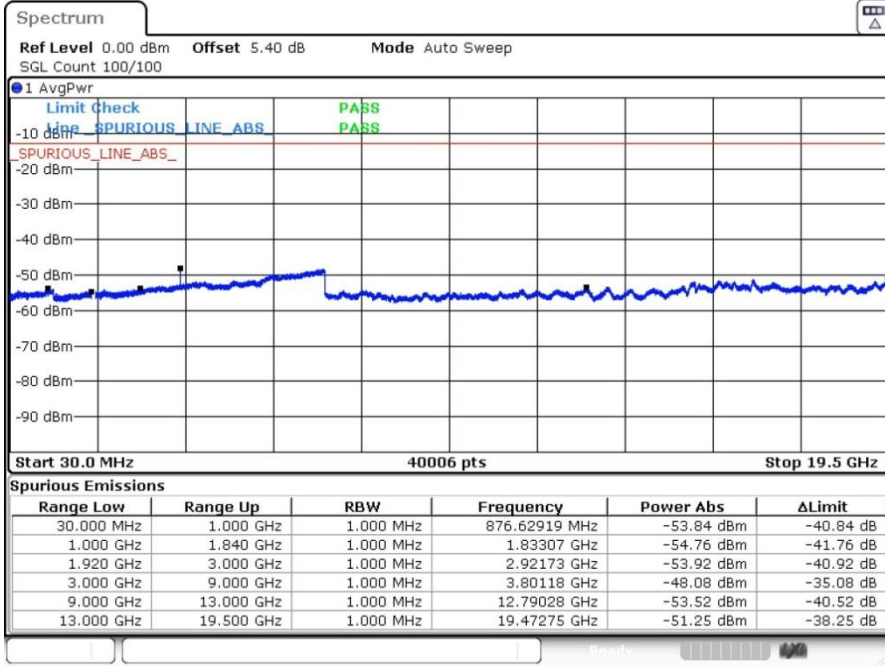
Middle Channel / QPSK



Date: 6.FEB.2022 23:12:42

Date: 6.FEB.2022 23:06:37

Highest Channel / QPSK



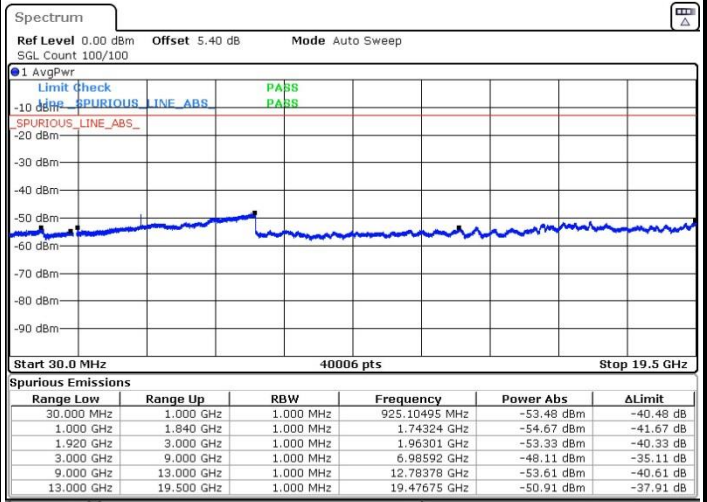
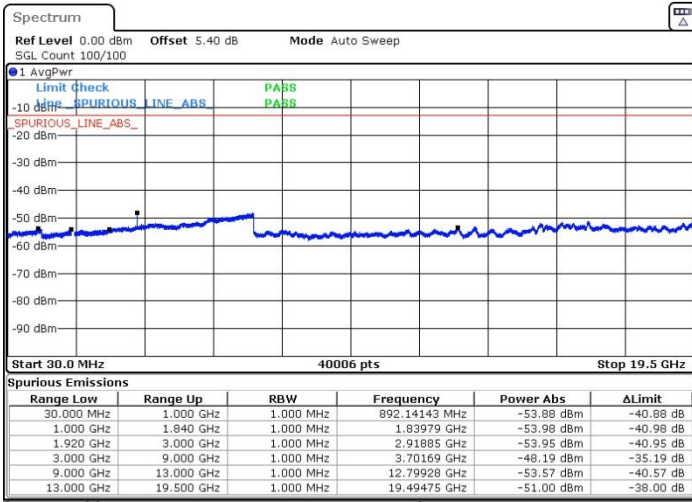
Date: 6.FEB.2022 22:56:42



LTE Band 2 / 15MHz

Lowest Channel / QPSK

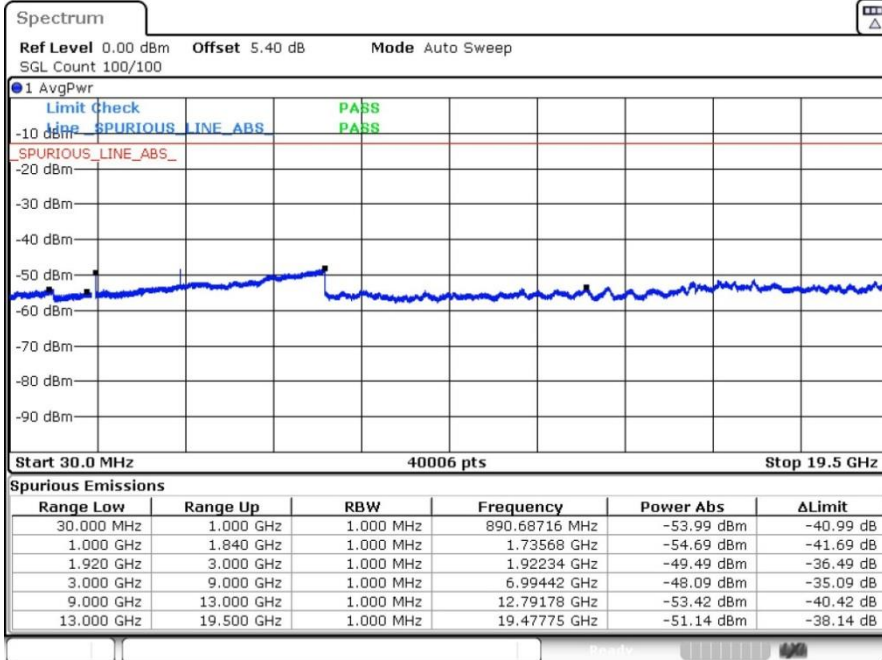
Middle Channel / QPSK



Date: 6.FEB.2022 23:23:42

Date: 6.FEB.2022 23:41:28

Highest Channel / QPSK



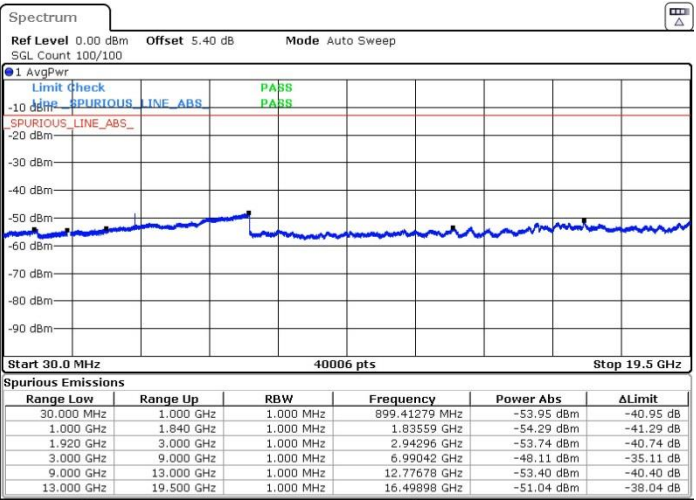
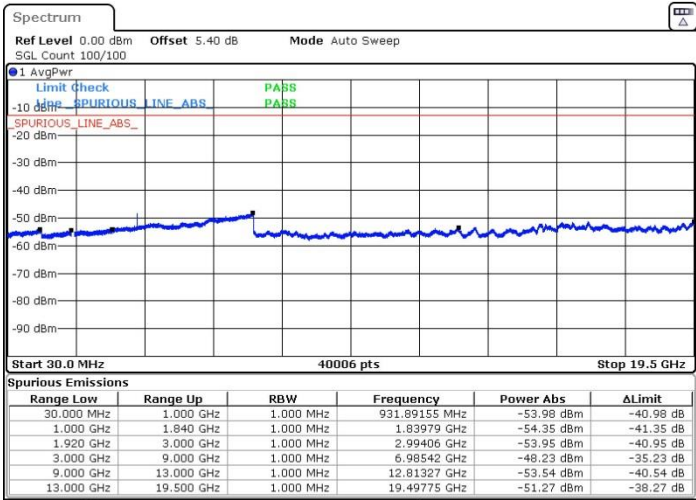
Date: 6.FEB.2022 23:46:56



LTE Band 2 / 20MHz

Lowest Channel / QPSK

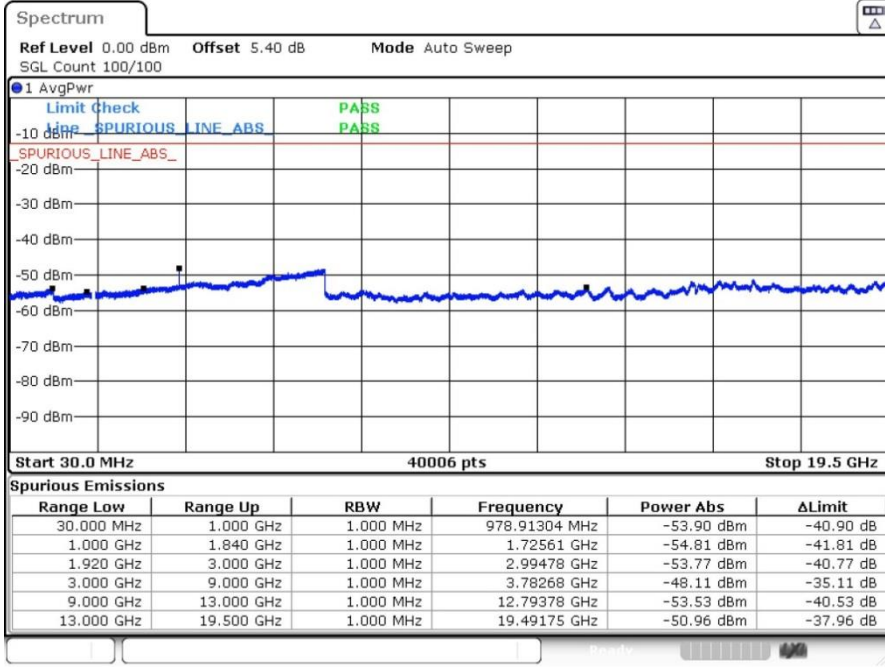
Middle Channel / QPSK



Date: 6.FEB.2022 23:59:17

Date: 7.FEB.2022 00:24:26

Highest Channel / QPSK



Date: 7.FEB.2022 00:42:43



Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0022	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0018	
20	Battery End Point	0.0006	

Note:

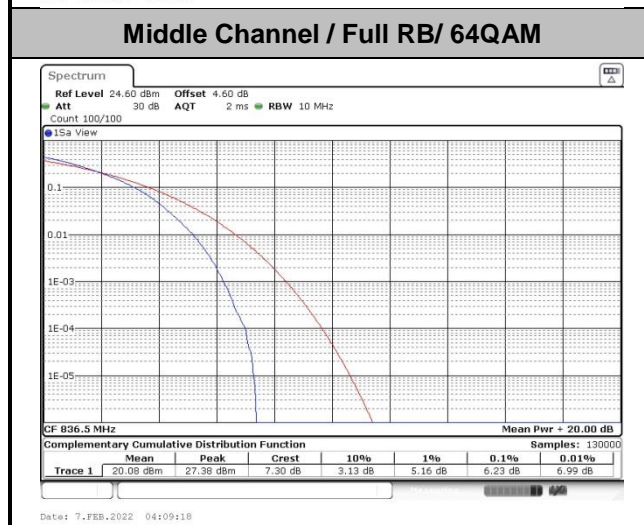
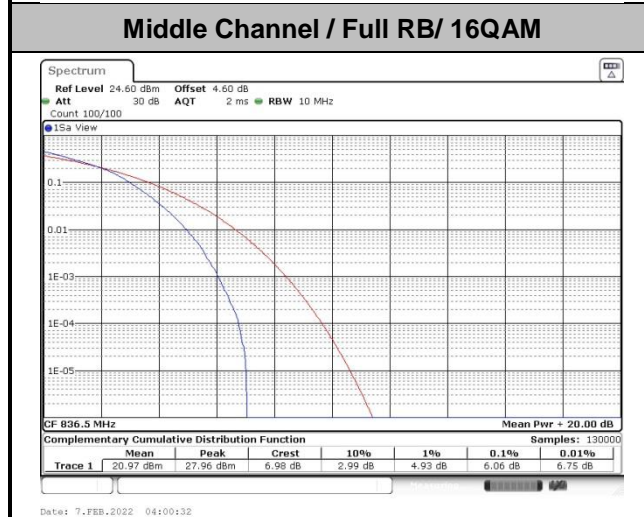
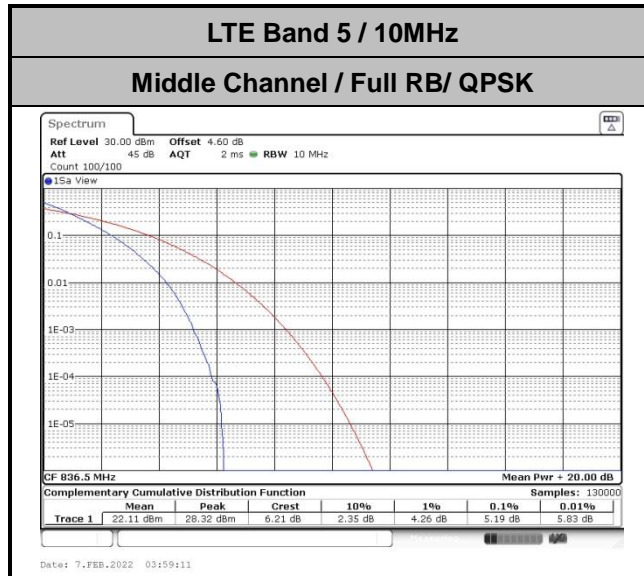
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 5 for other PA

### Peak-to-Average Ratio

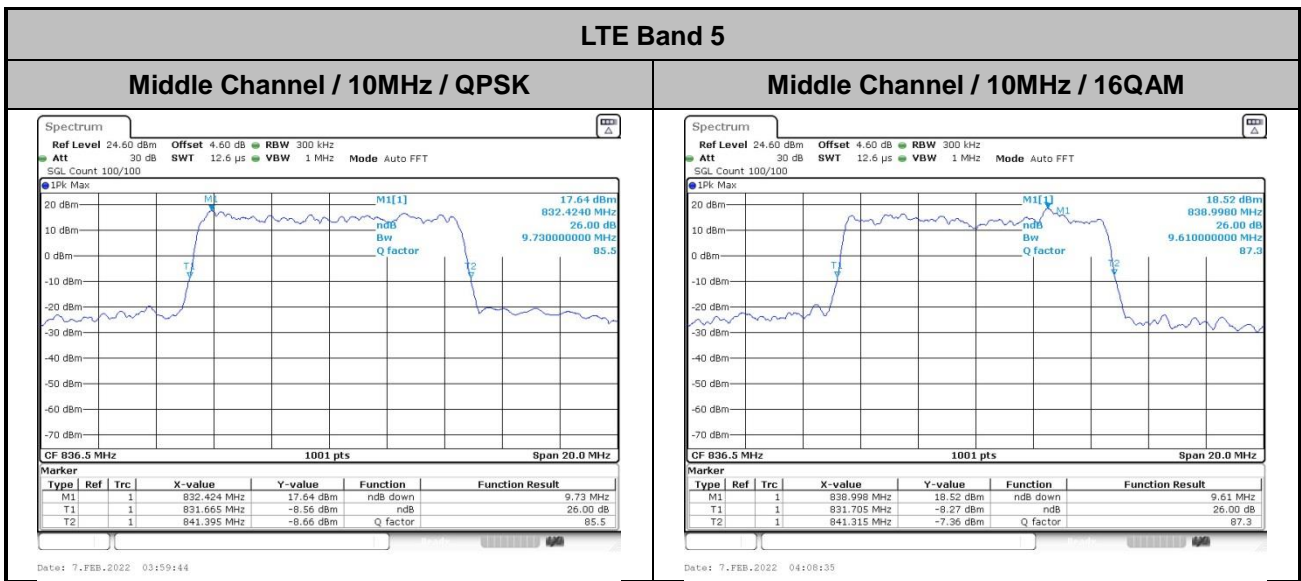
Mode	LTE Band 5 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.19	6.06	6.23	<b>PASS</b>





## 26dB Bandwidth

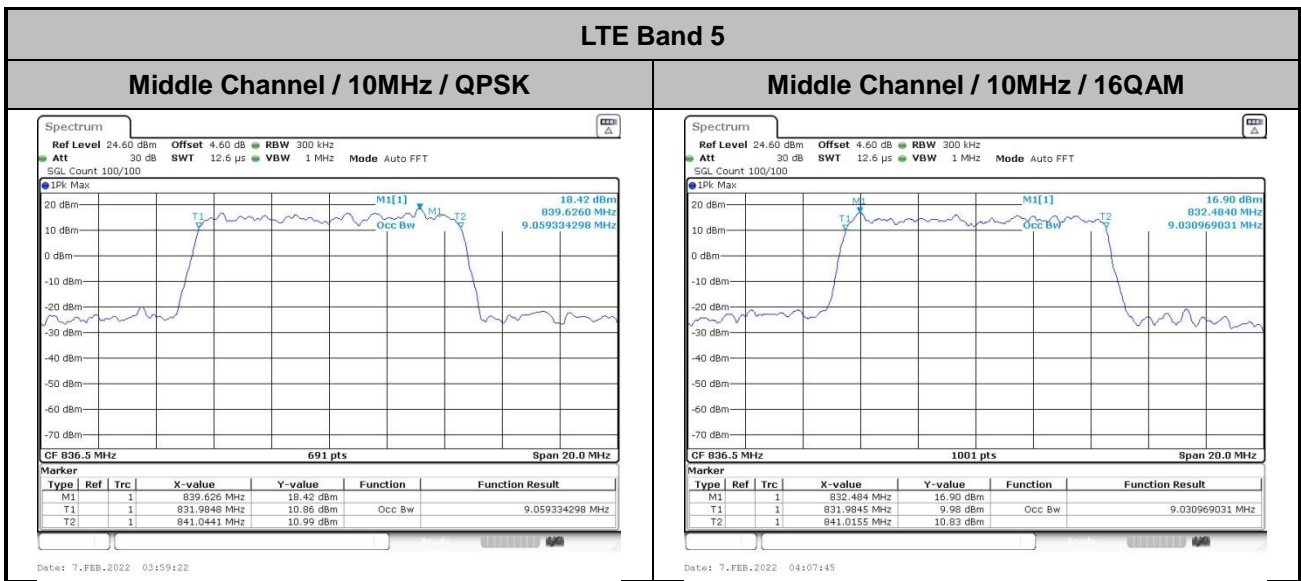
<b>Mode</b>	<b>LTE Band 5 : 26dB BW(MHz)</b>	
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	9.73	9.61





# Occupied Bandwidth

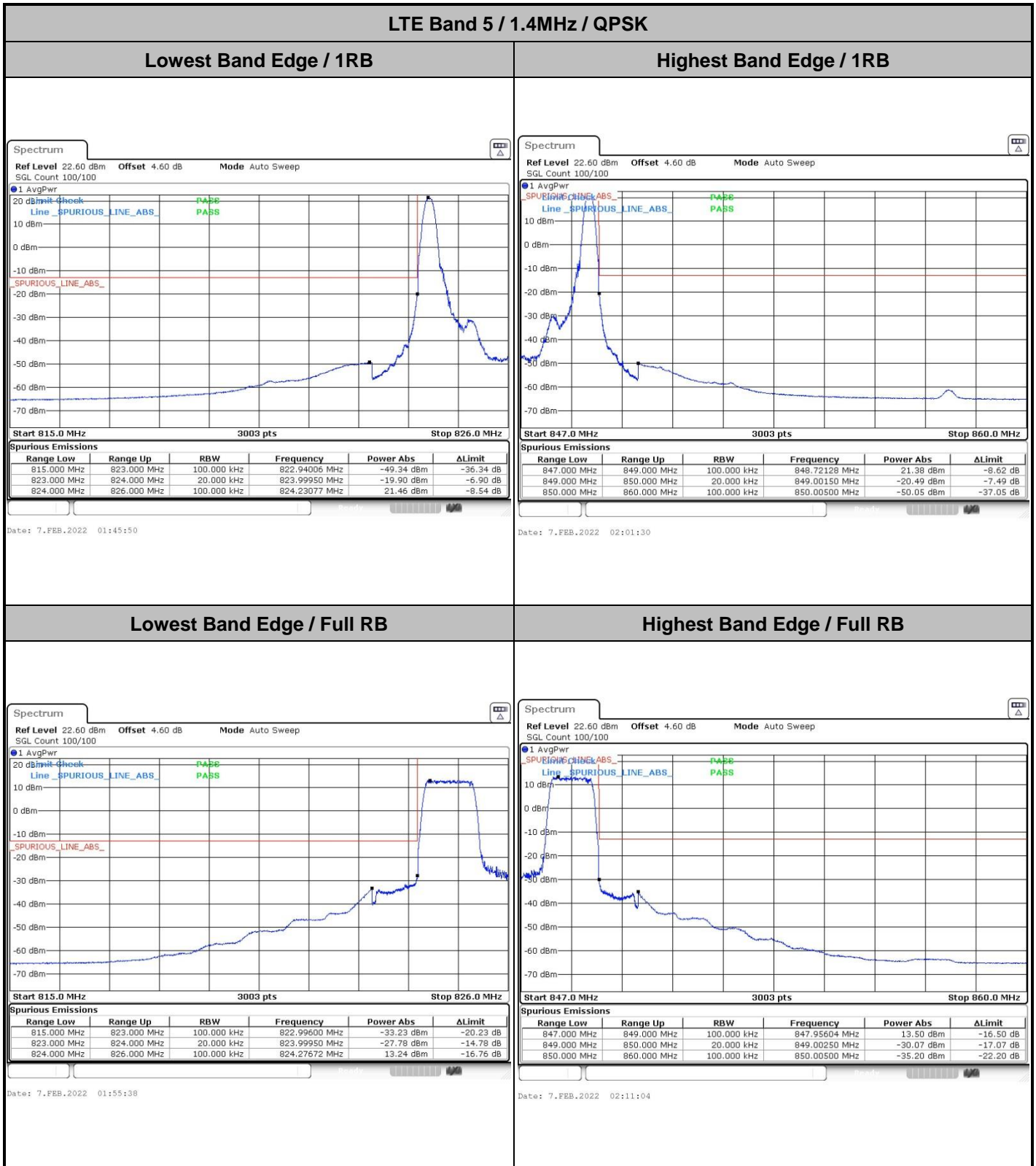
Mode	LTE Band 5 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.06	9.03







# Conducted Band Edge





LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 7.FEB.2022 01:47:27

Highest Band Edge / 1 RB



Date: 7.FEB.2022 02:03:05

Lowest Band Edge / Full RB



Date: 7.FEB.2022 01:53:56

Highest Band Edge / Full RB



Date: 7.FEB.2022 02:09:16



LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



Date: 7.FEB.2022 01:49:45

Highest Band Edge / 1 RB



Date: 7.FEB.2022 02:05:00

Lowest Band Edge / Full RB



Date: 7.FEB.2022 01:52:13

Highest Band Edge / Full RB

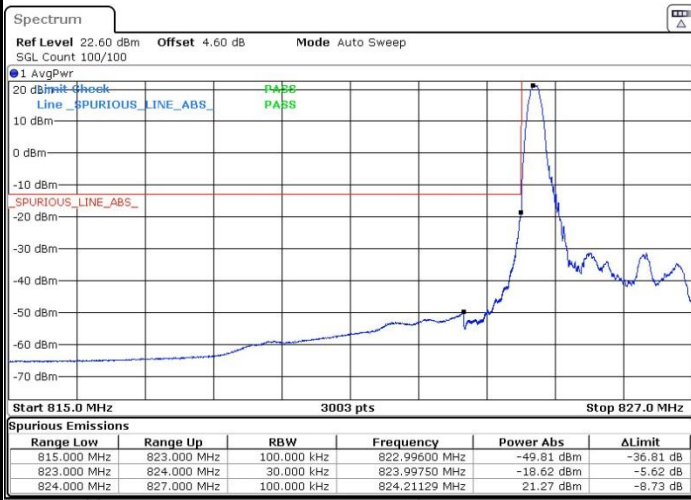


Date: 7.FEB.2022 02:07:41



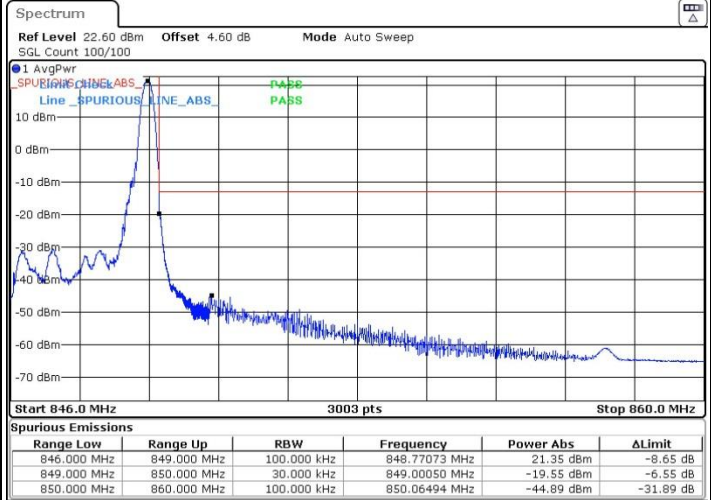
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



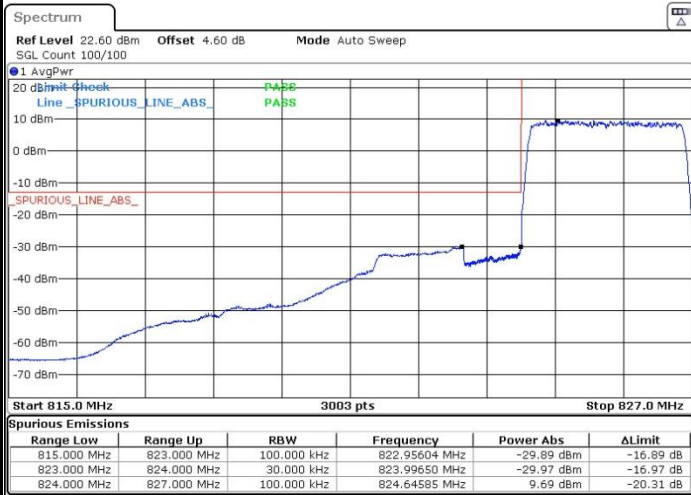
Date: 7.FEB.2022 02:31:39

Highest Band Edge / 1 RB



Date: 7.FEB.2022 03:08:48

Lowest Band Edge / Full RB



Date: 7.FEB.2022 02:37:26

Highest Band Edge / Full RB

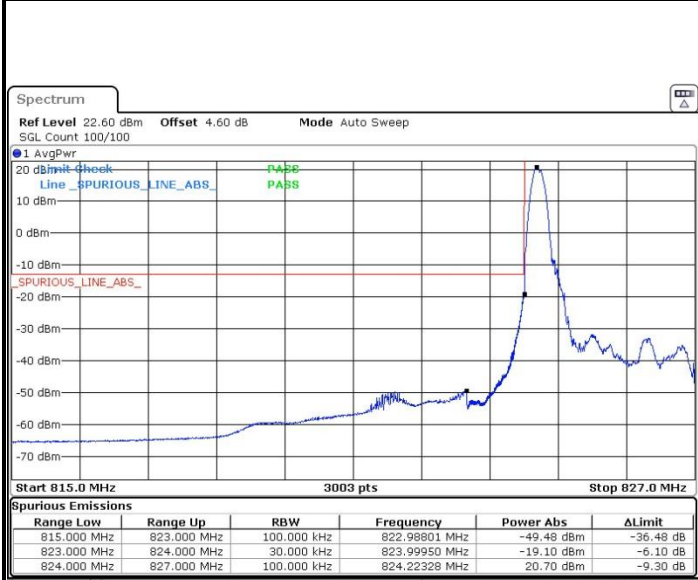


Date: 7.FEB.2022 03:15:32



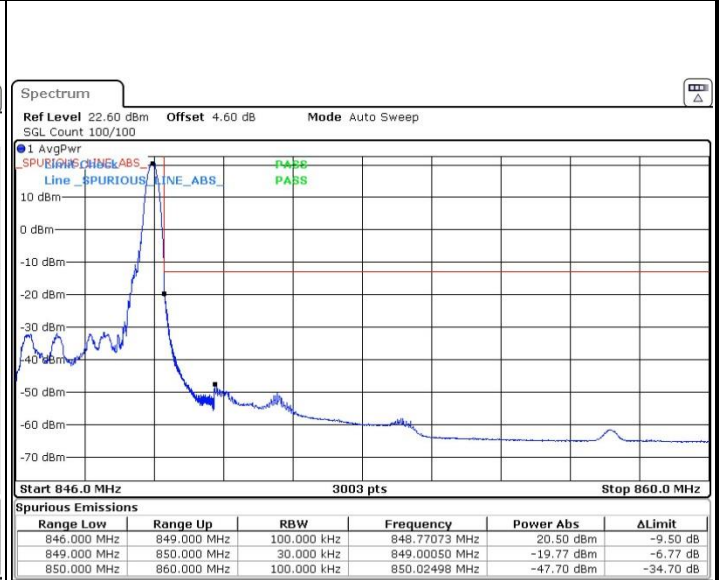
**LTE Band 5 / 3MHz / 16QAM**

**Lowest Band Edge / 1 RB**



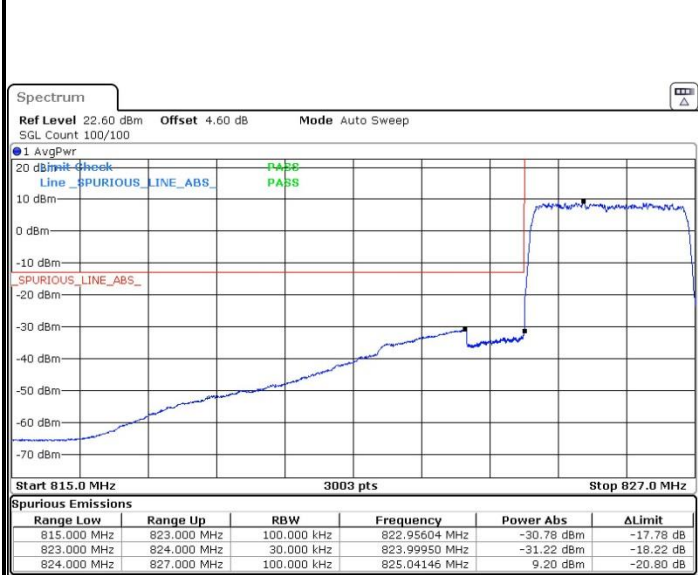
Date: 7.FEB.2022 02:32:45

**Highest Band Edge / 1 RB**



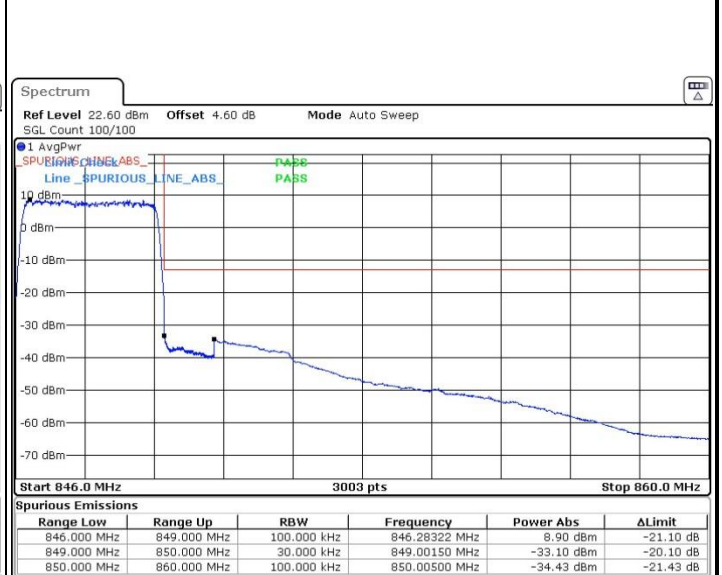
Date: 7.FEB.2022 03:10:00

**Lowest Band Edge / Full RB**



Date: 7.FEB.2022 02:36:21

**Highest Band Edge / Full RB**



Date: 7.FEB.2022 03:13:50