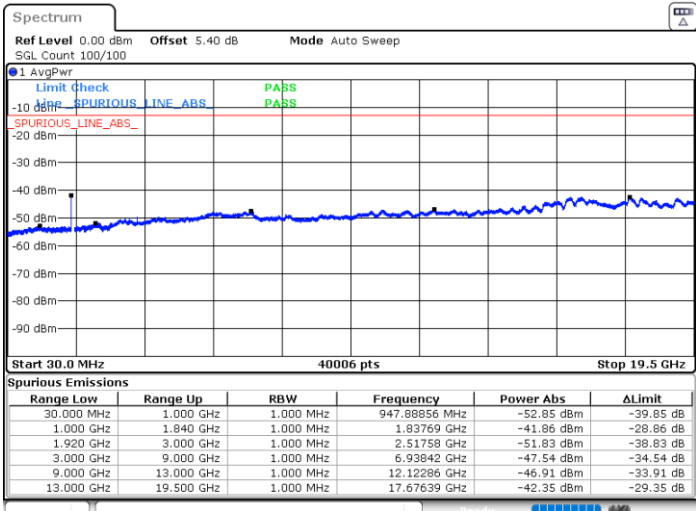




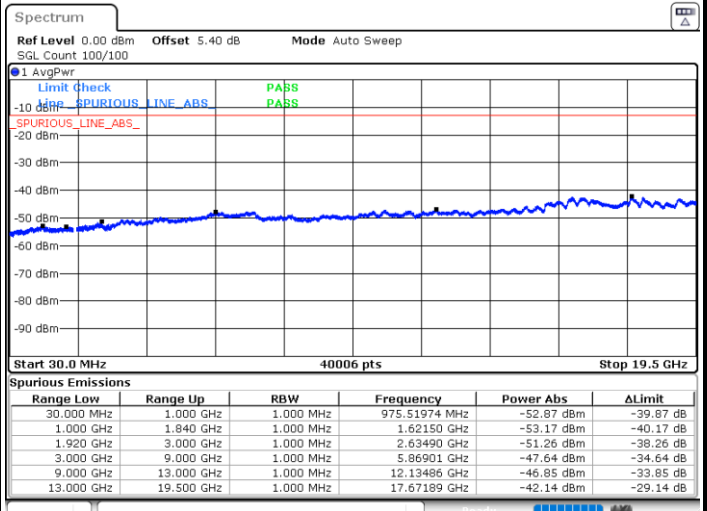
LTE Band 2 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

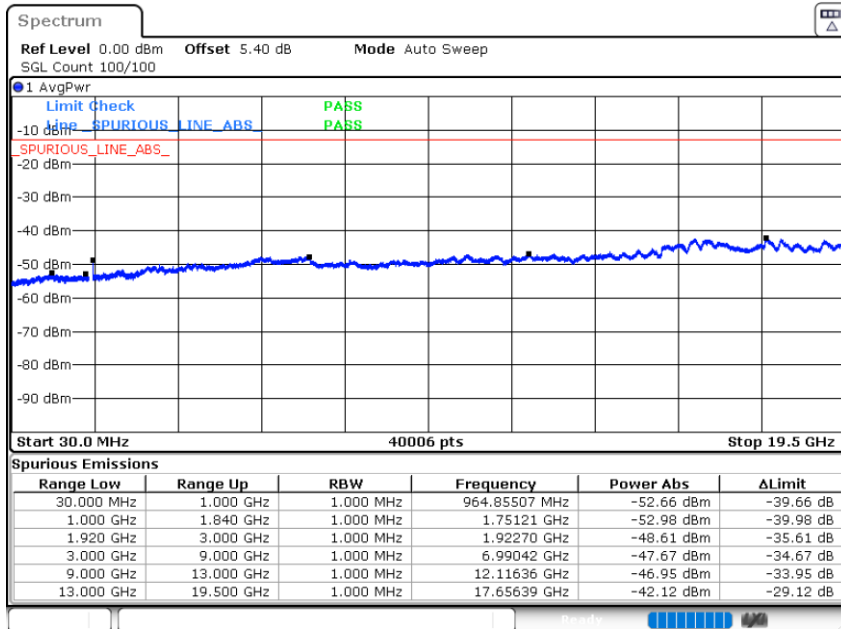


Date: 14.JAN.2022 19:47:09



Date: 14.JAN.2022 19:53:34

Highest Channel / QPSK



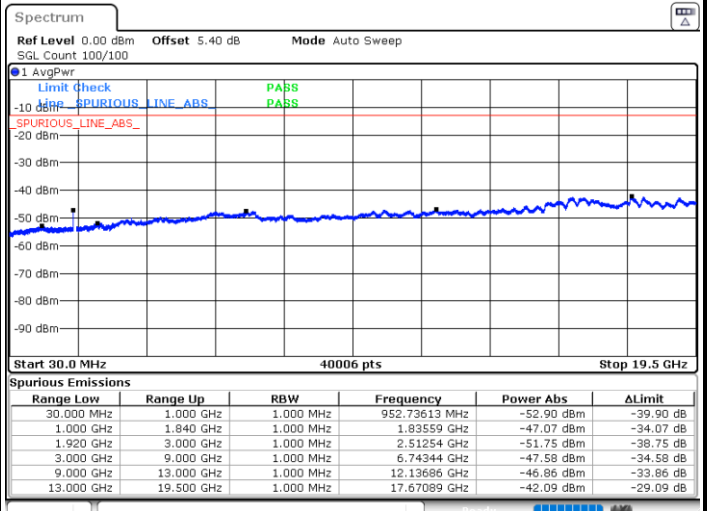
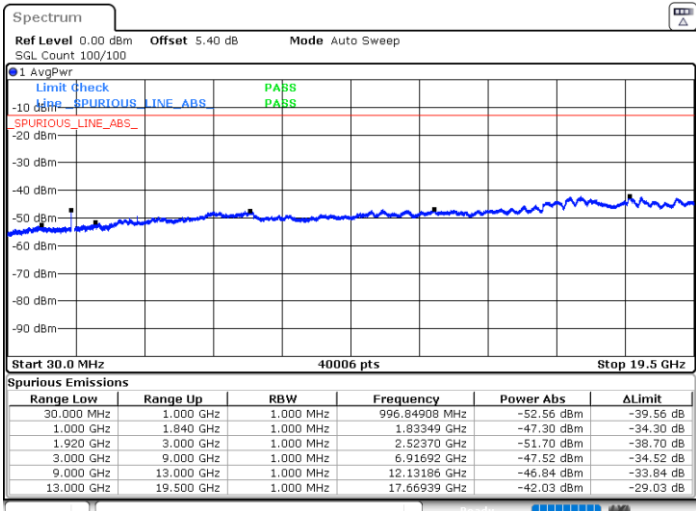
Date: 14.JAN.2022 19:54:45



LTE Band 2 / 20MHz

Lowest Channel / QPSK

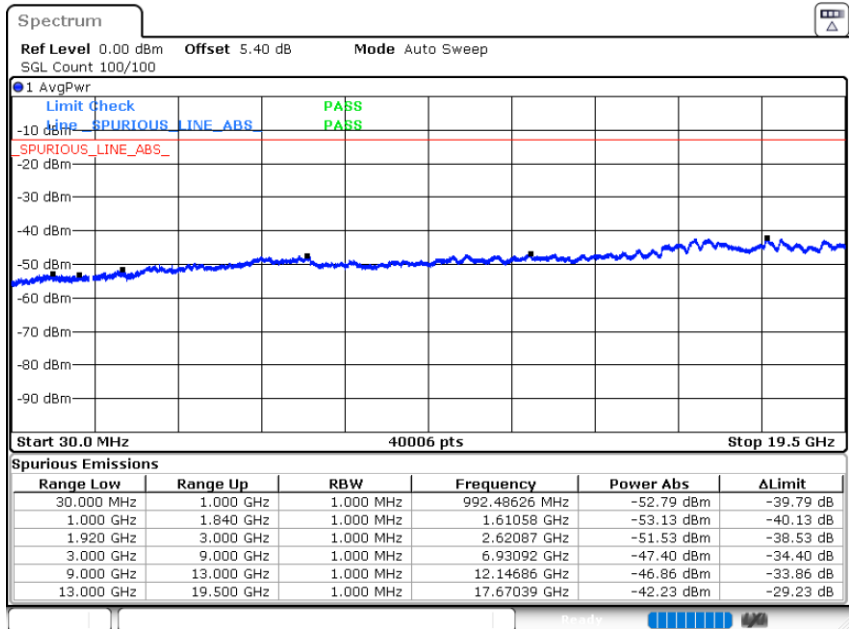
Middle Channel / QPSK



Date: 14.JAN.2022 20:01:15

Date: 14.JAN.2022 20:07:35

Highest Channel / QPSK



Date: 14.JAN.2022 20:08:46



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	0.0025	PASS
40	Normal Voltage	0.0033	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0027	
-10	Normal Voltage	0.0023	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0009	
20	Battery End Point	0.0011	

Note:

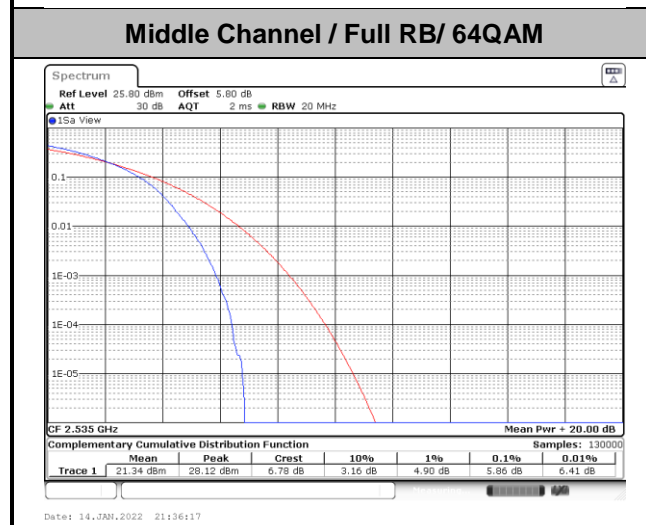
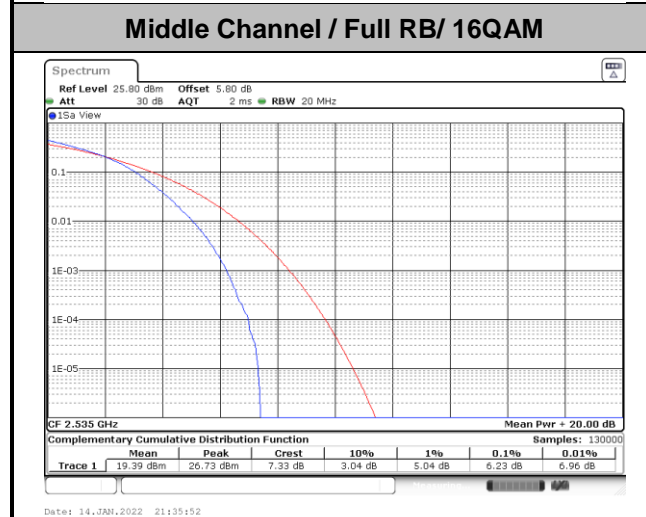
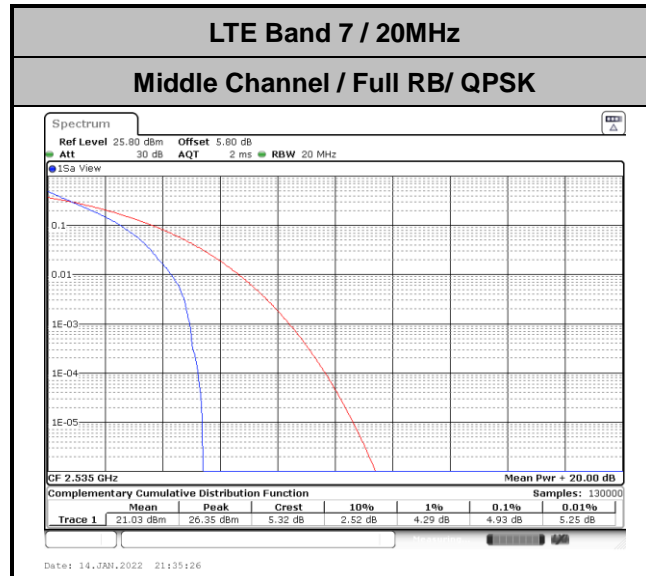
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 7

### Peak-to-Average Ratio

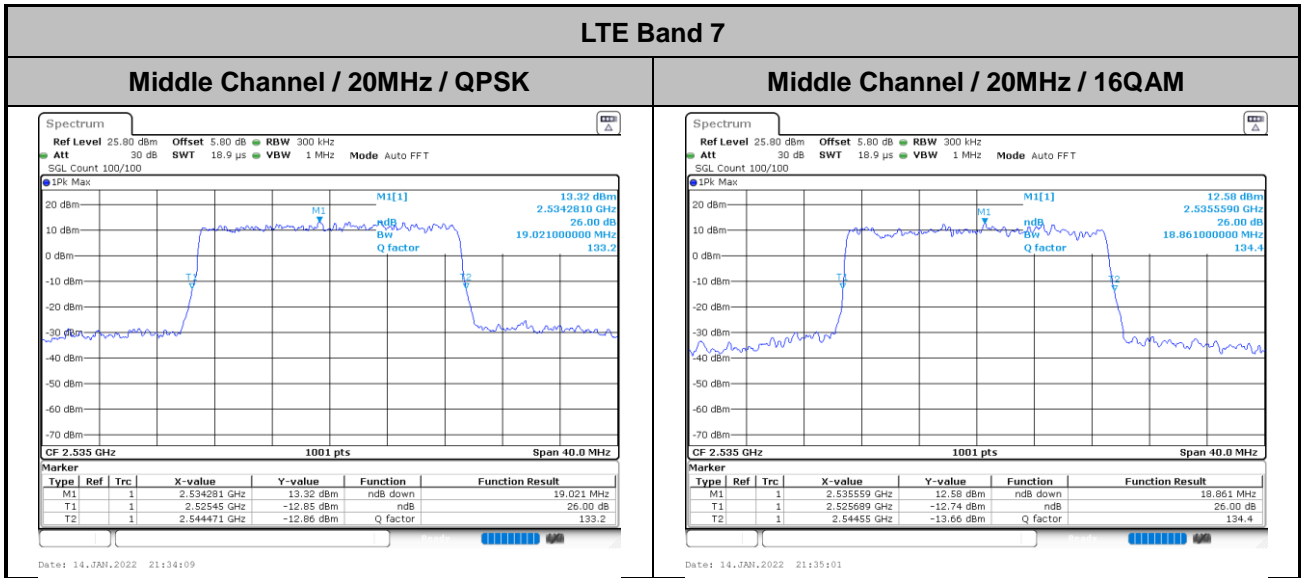
Mode	LTE Band 7 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.93	6.23	5.86	<b>PASS</b>





## 26dB Bandwidth

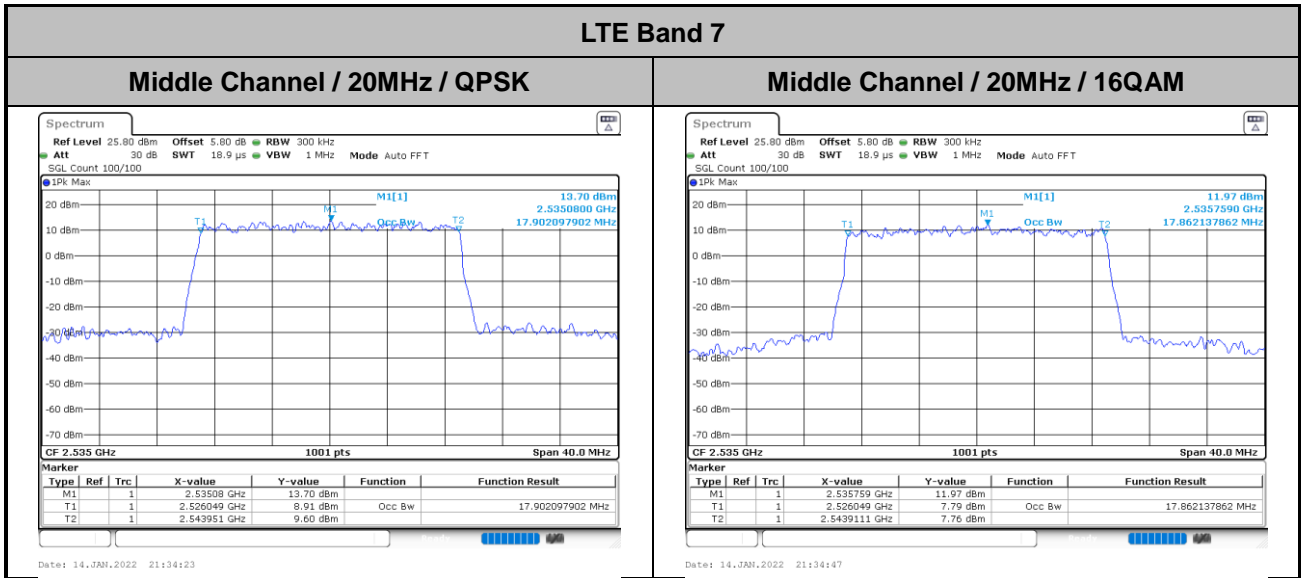
<b>Mode</b>	<b>LTE Band 7 : 26dB BW(MHz)</b>	
<b>BW</b>	<b>20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	19.02	18.86





# Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.90	17.86

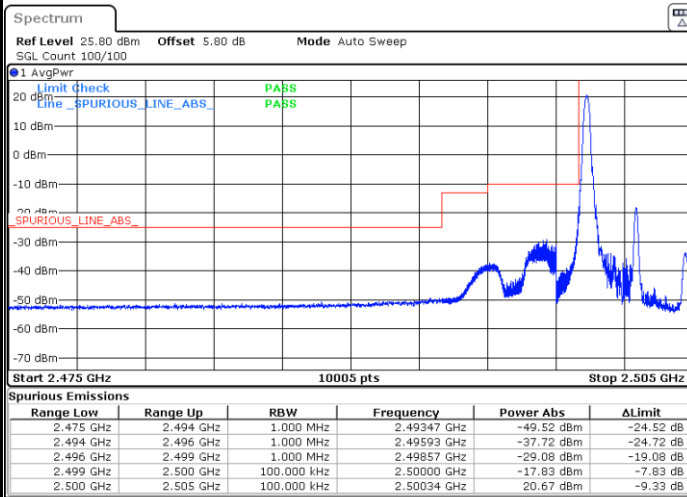




# Conducted Band Edge

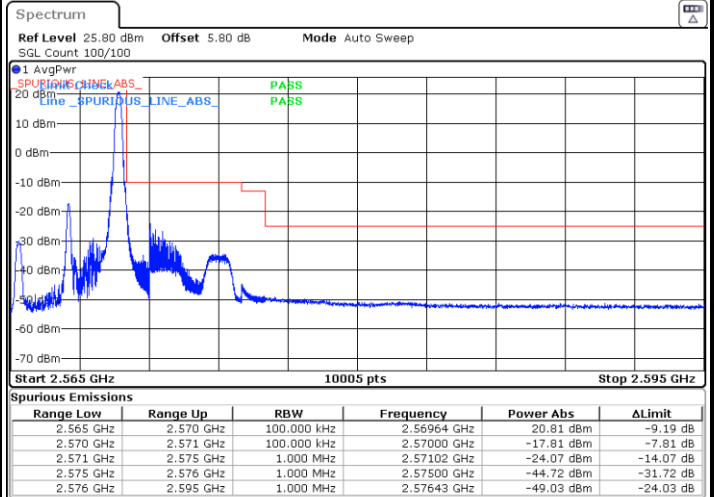
## LTE Band 7 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



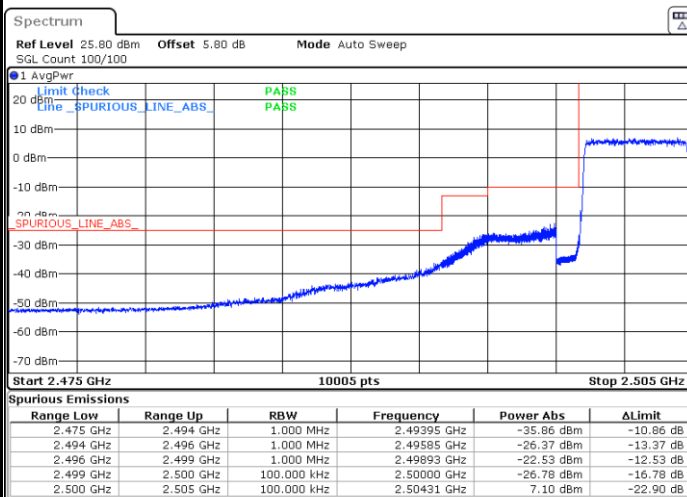
Date: 14. JAN. 2022 20:35:52

### Highest Band Edge / 1 RB



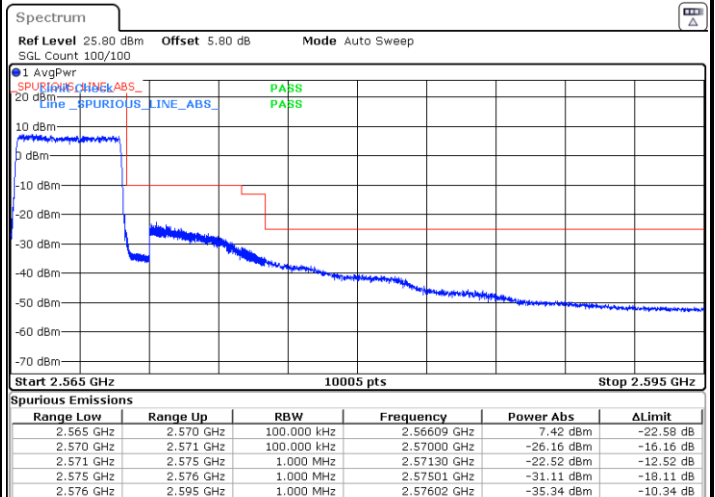
Date: 14. JAN. 2022 20:45:21

### Lowest Band Edge / Full RB



Date: 14. JAN. 2022 20:42:07

### Highest Band Edge / Full RB



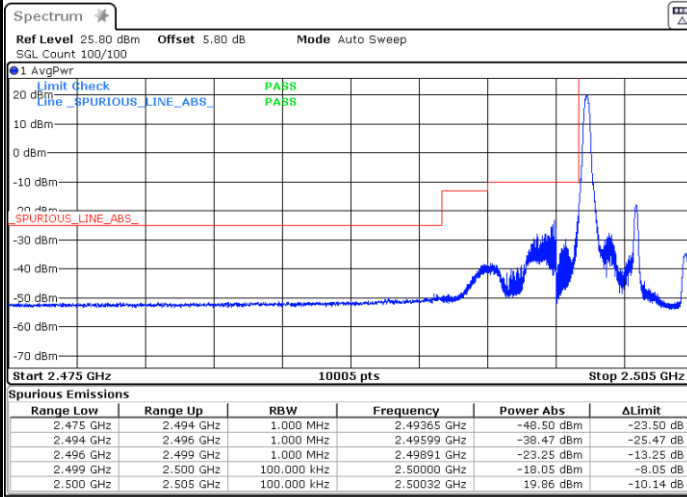
Date: 14. JAN. 2022 20:49:48





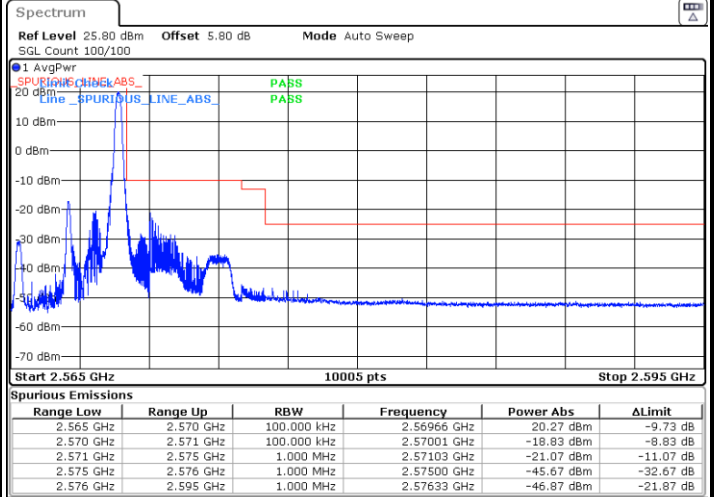
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



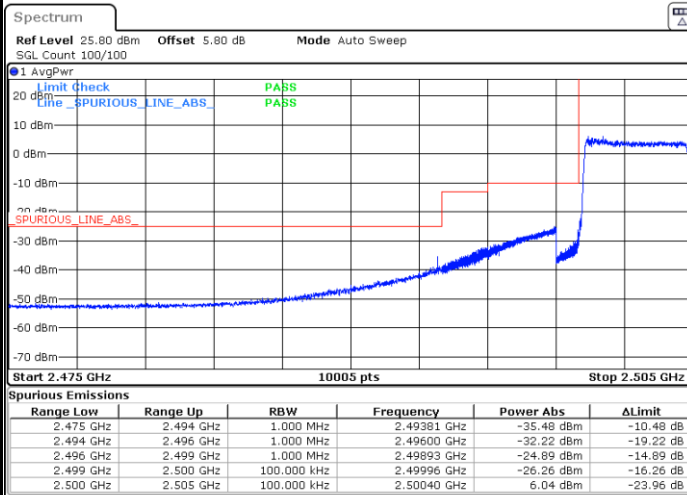
Date: 14.JAN.2022 21:39:26

Highest Band Edge / 1 RB



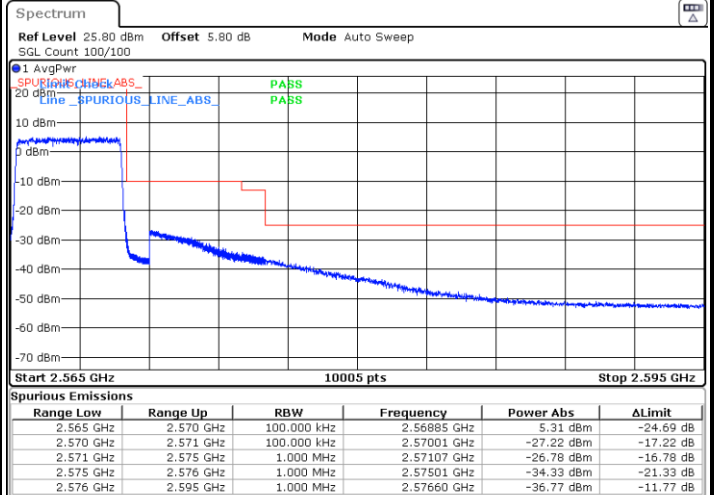
Date: 14.JAN.2022 20:46:14

Lowest Band Edge / Full RB



Date: 14.JAN.2022 20:41:14

Highest Band Edge / Full RB

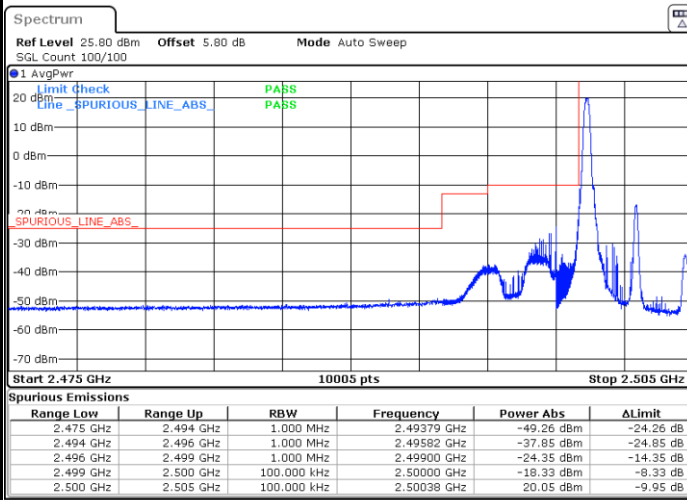


Date: 14.JAN.2022 20:48:54



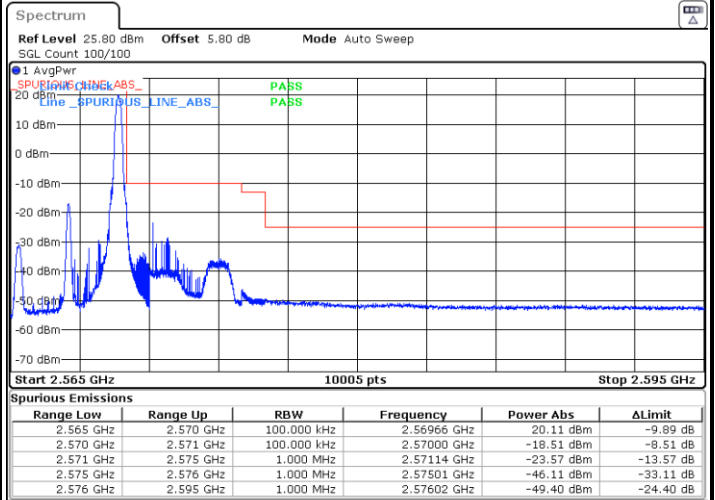
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



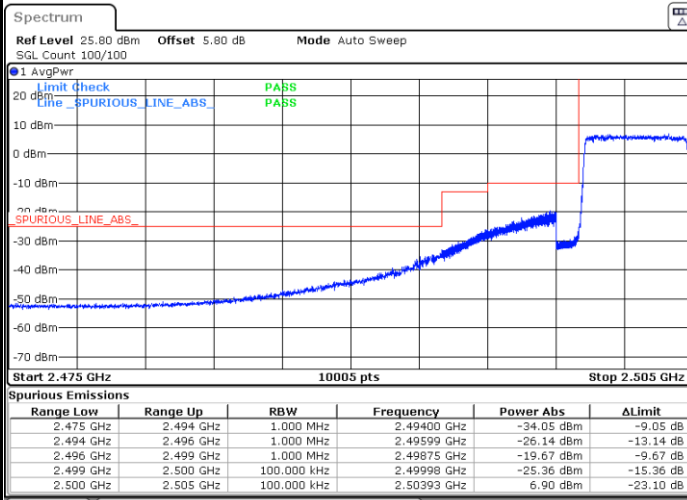
Date: 14.JAN.2022 20:39:26

Highest Band Edge / 1 RB



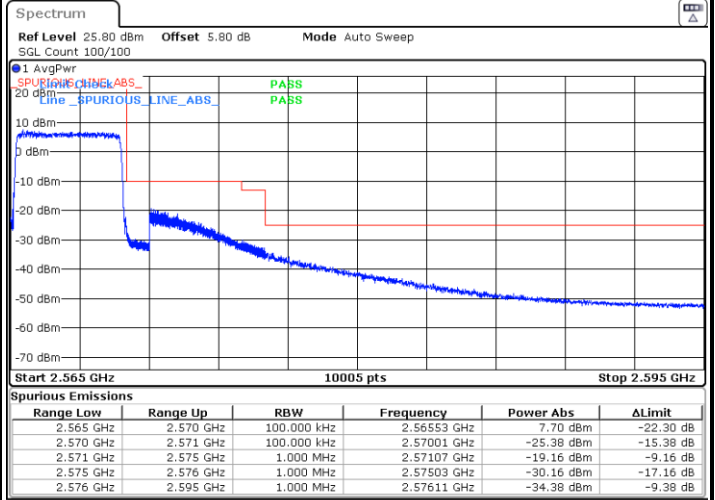
Date: 14.JAN.2022 20:47:08

Lowest Band Edge / Full RB



Date: 14.JAN.2022 20:40:19

Highest Band Edge / Full RB

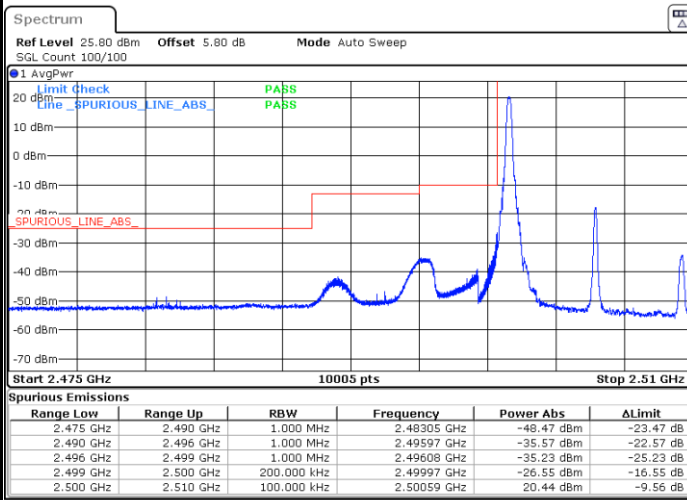


Date: 14.JAN.2022 20:48:01



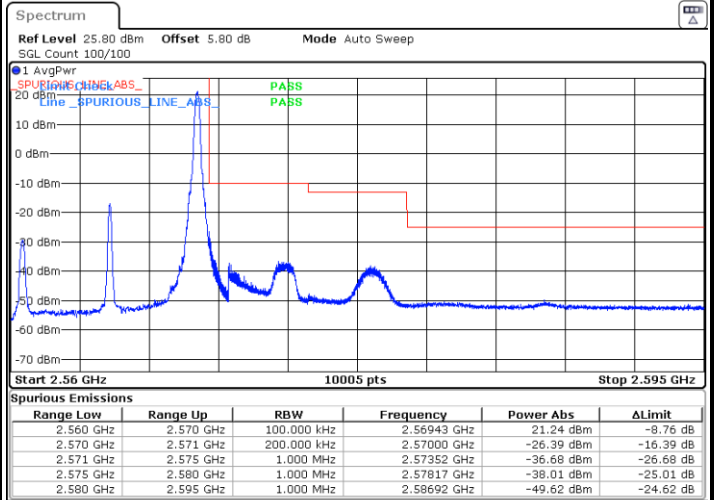
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



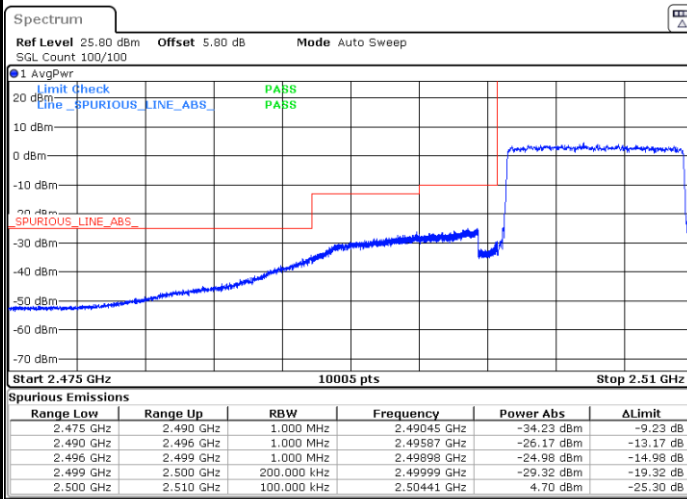
Date: 14.JAN.2022 20:51:43

Highest Band Edge / 1 RB



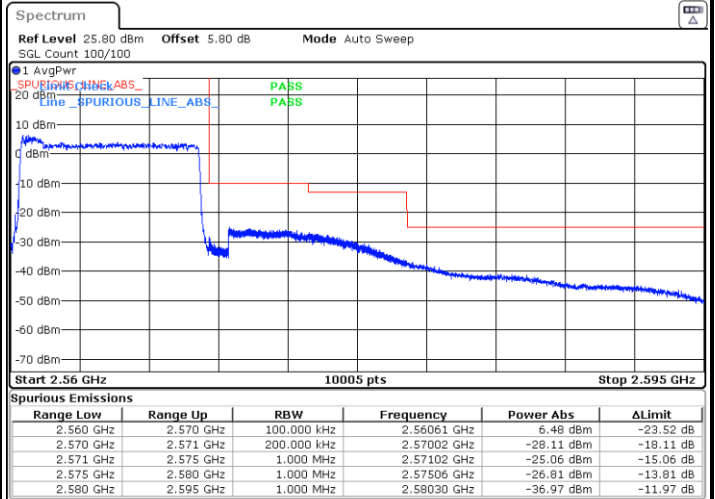
Date: 14.JAN.2022 21:00:00

Lowest Band Edge / Full RB



Date: 14.JAN.2022 20:56:47

Highest Band Edge / Full RB



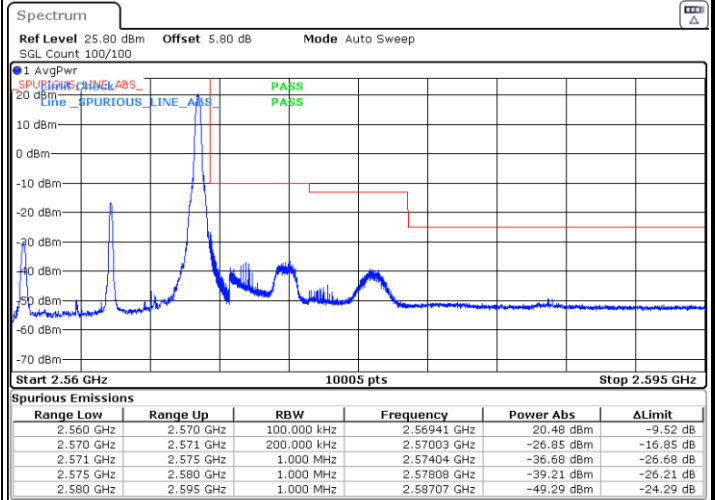
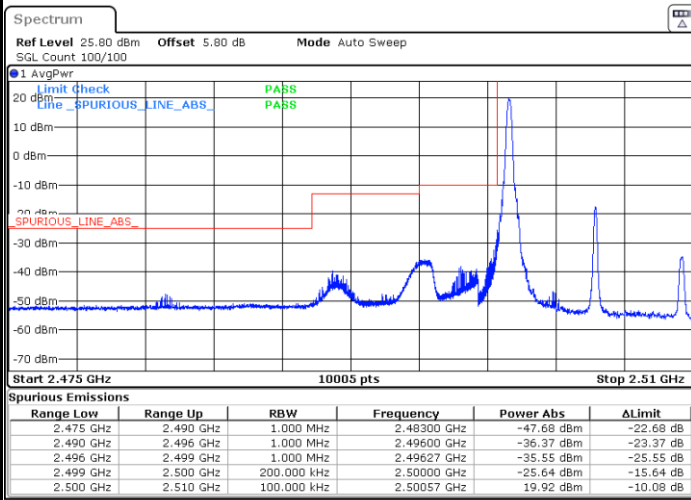
Date: 14.JAN.2022 21:04:26



LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

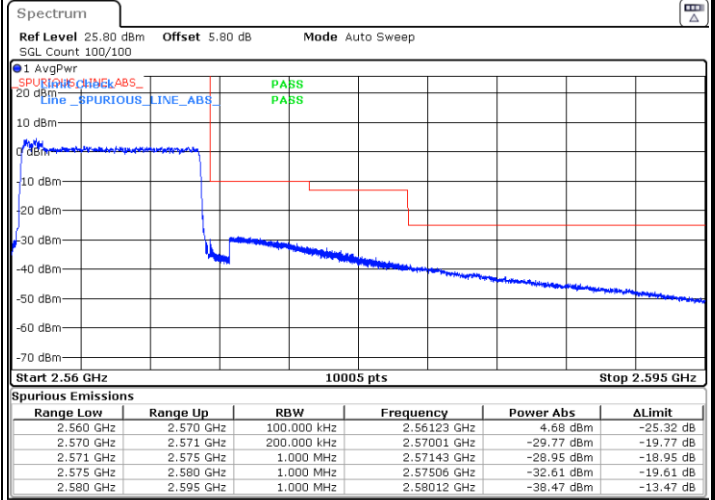
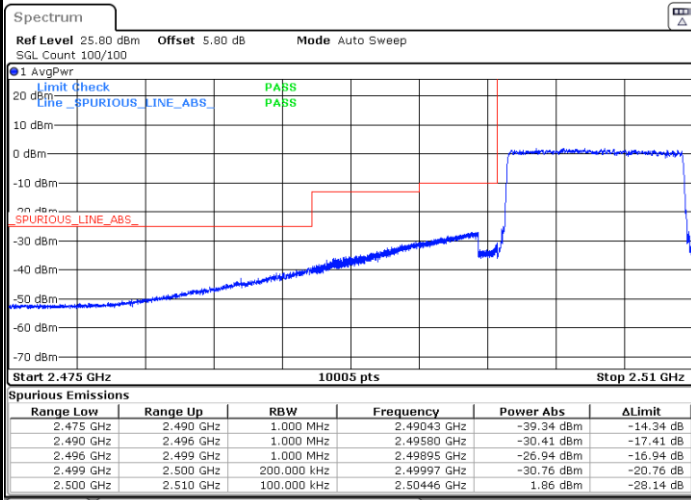


Date: 14.JAN.2022 20:52:36

Date: 14.JAN.2022 21:43:16

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



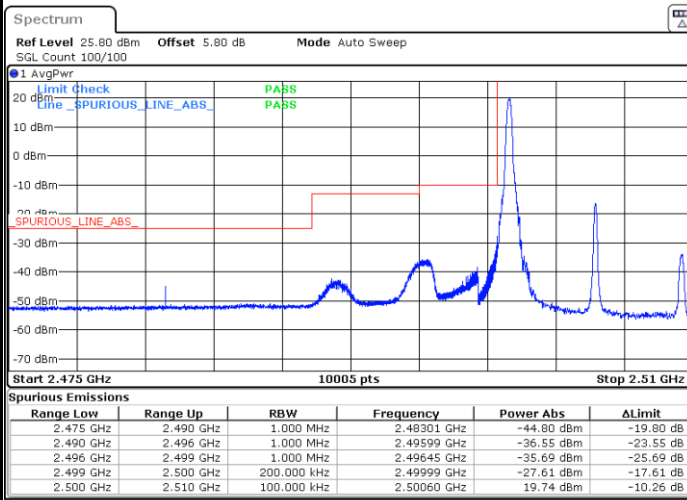
Date: 14.JAN.2022 20:55:16

Date: 14.JAN.2022 21:03:33



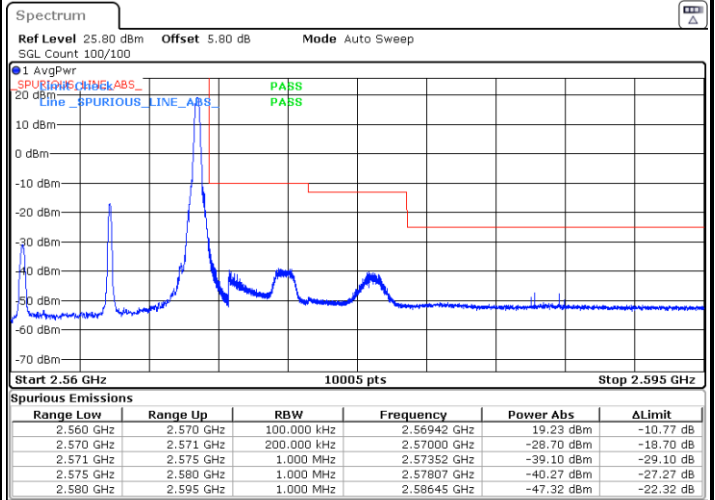
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



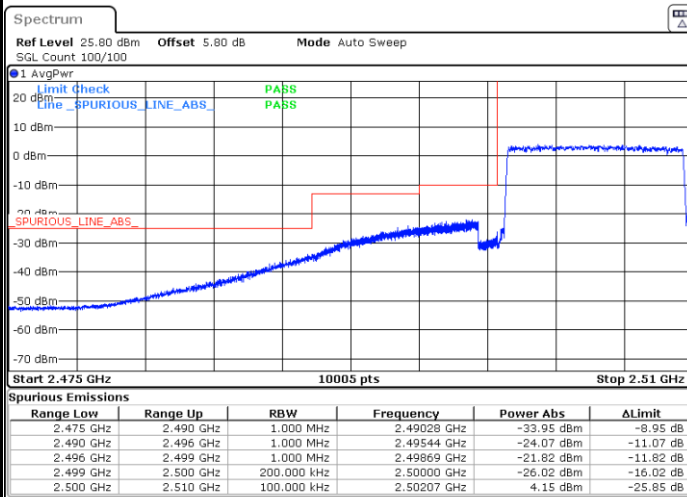
Date: 14.JAN.2022 20:53:29

Highest Band Edge / 1 RB



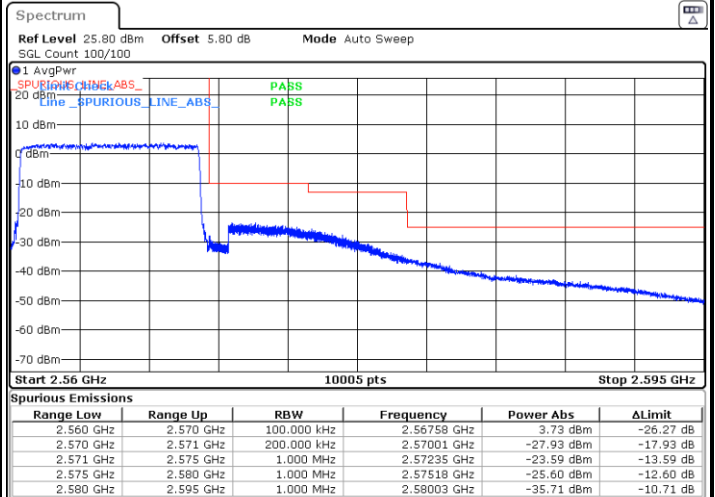
Date: 14.JAN.2022 21:01:47

Lowest Band Edge / Full RB



Date: 14.JAN.2022 20:54:23

Highest Band Edge / Full RB

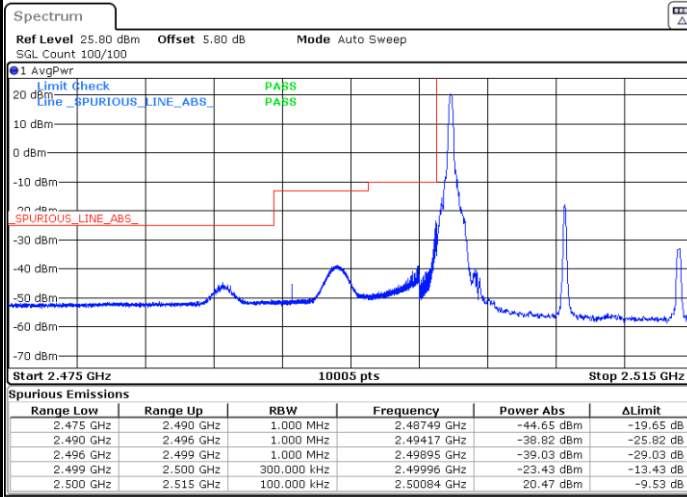


Date: 14.JAN.2022 21:02:40



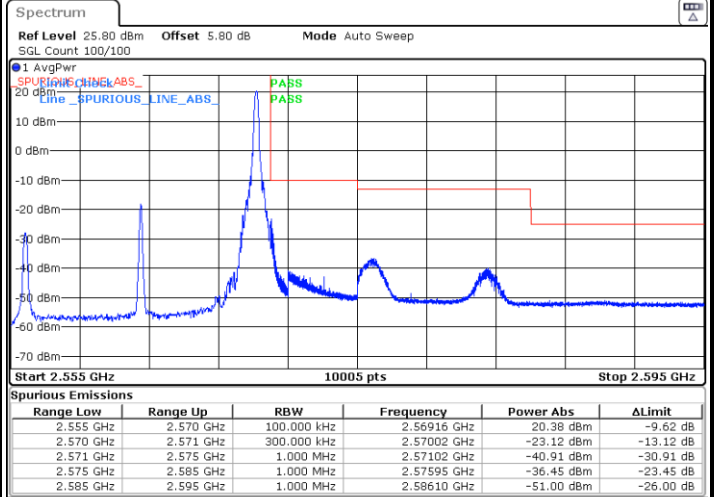
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



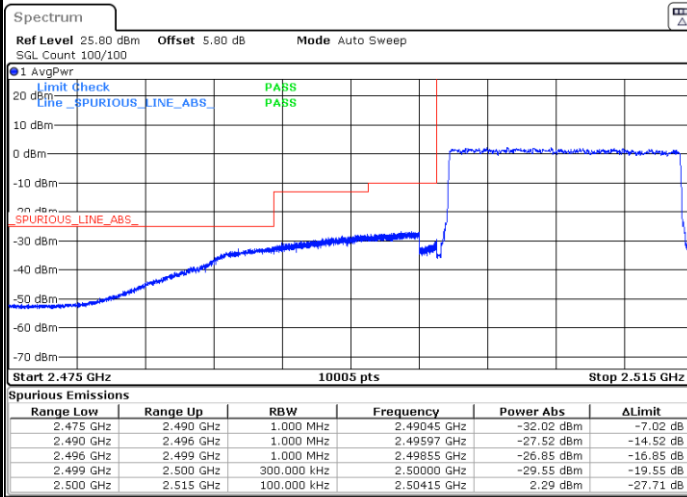
Date: 14.JAN.2022 21:06:21

Highest Band Edge / 1 RB



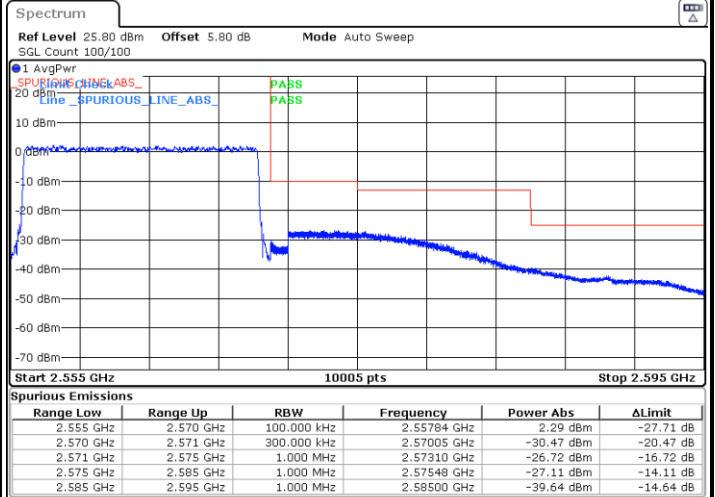
Date: 14.JAN.2022 21:14:02

Lowest Band Edge / Full RB



Date: 14.JAN.2022 21:10:48

Highest Band Edge / Full RB



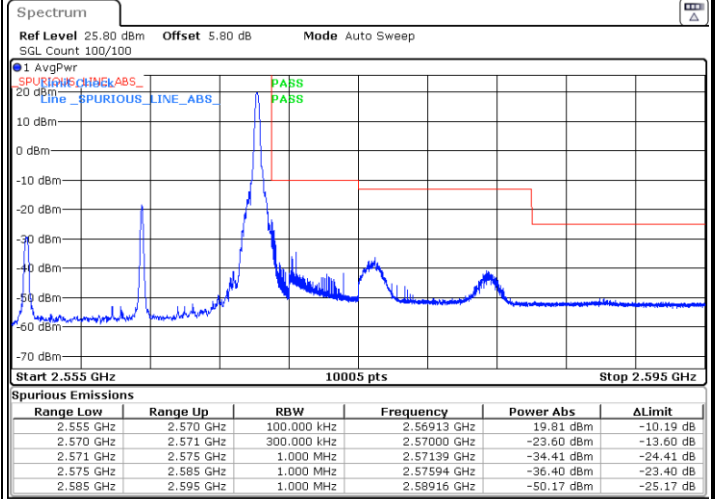
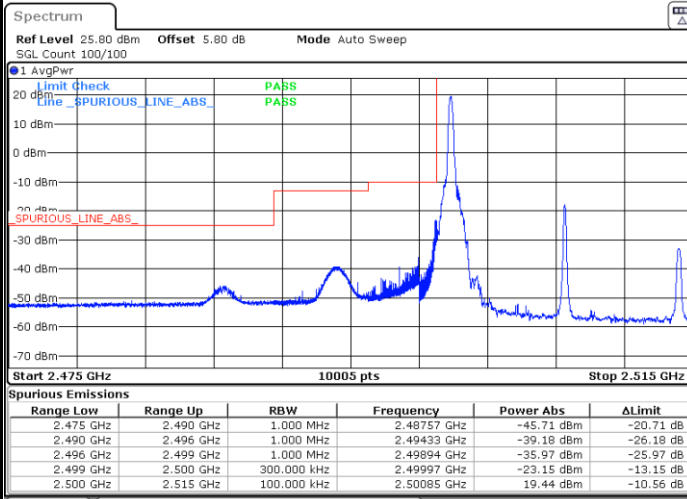
Date: 14.JAN.2022 21:18:28



LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

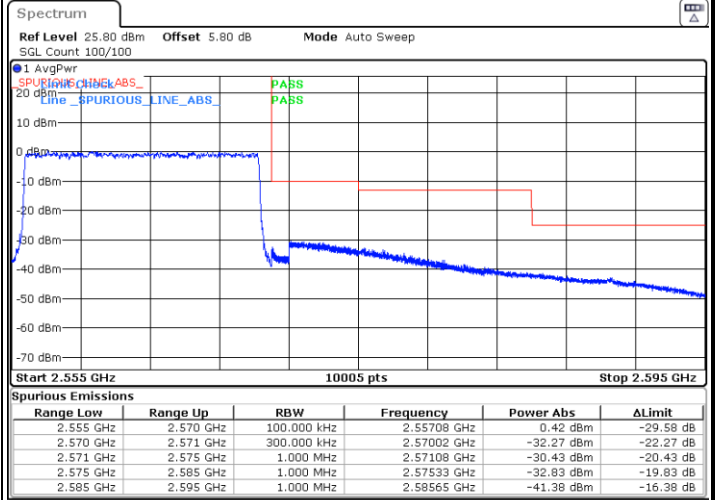
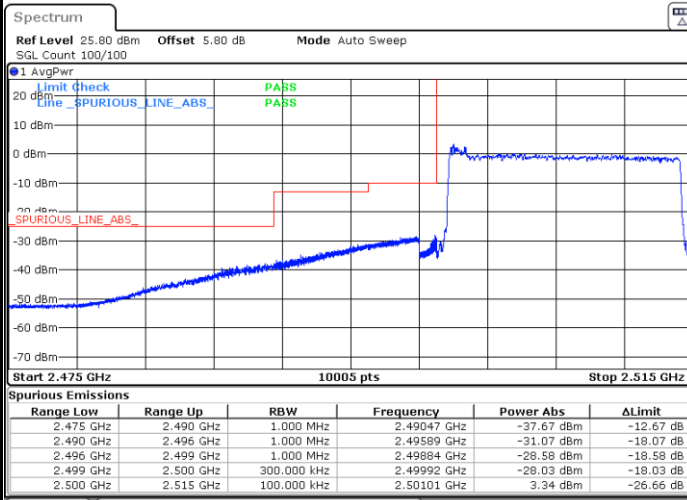


Date: 14.JAN.2022 21:44:14

Date: 14.JAN.2022 21:14:55

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.JAN.2022 21:09:55

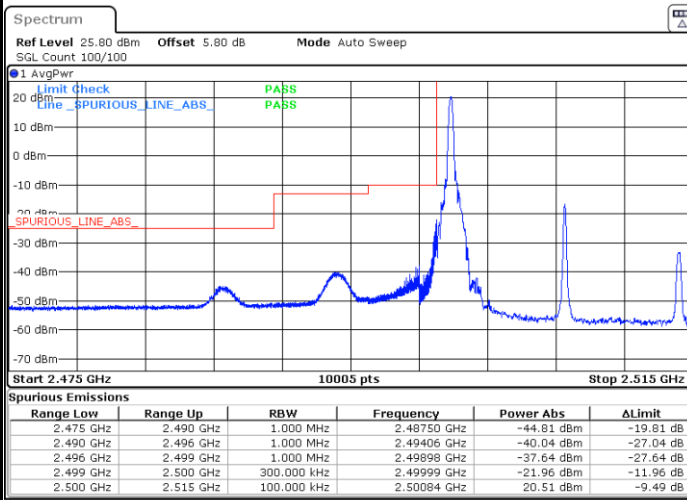
Date: 14.JAN.2022 21:17:35





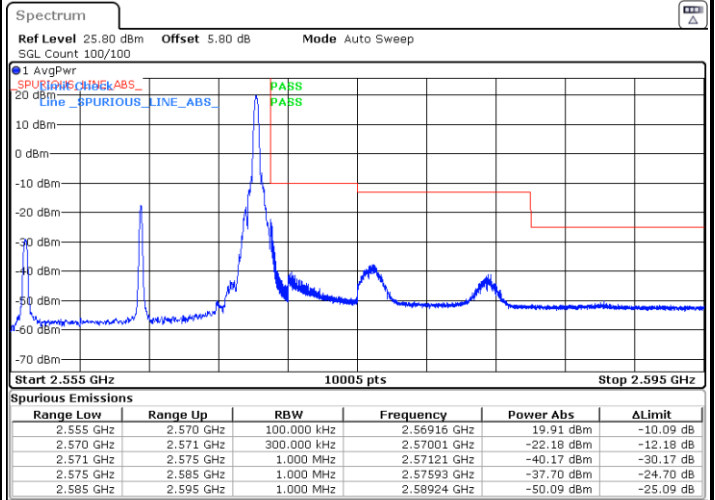
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



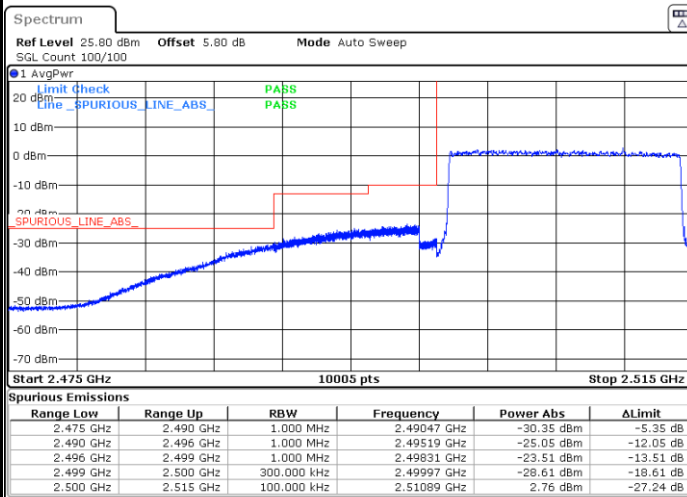
Date: 14.JAN.2022 21:08:08

Highest Band Edge / 1 RB



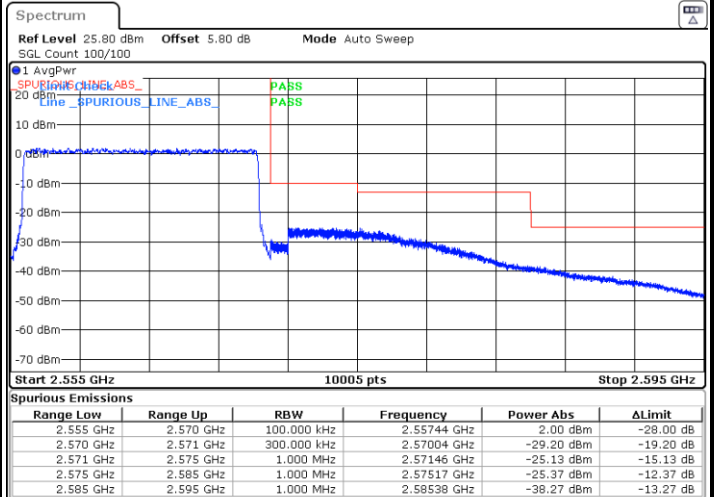
Date: 14.JAN.2022 21:15:48

Lowest Band Edge / Full RB



Date: 14.JAN.2022 21:09:02

Highest Band Edge / Full RB



Date: 14.JAN.2022 21:16:42

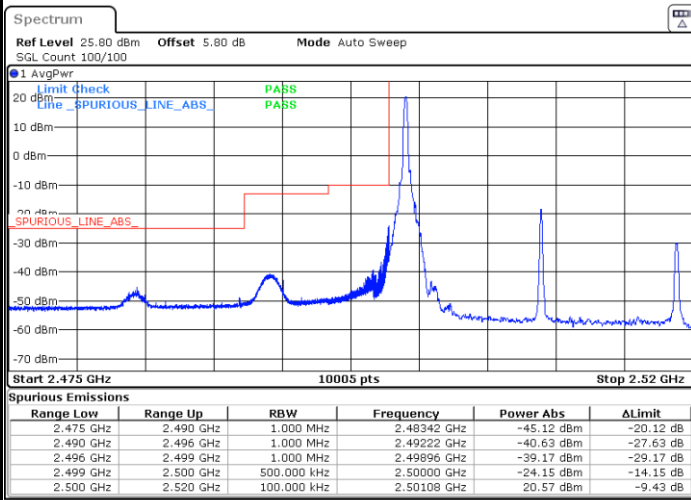




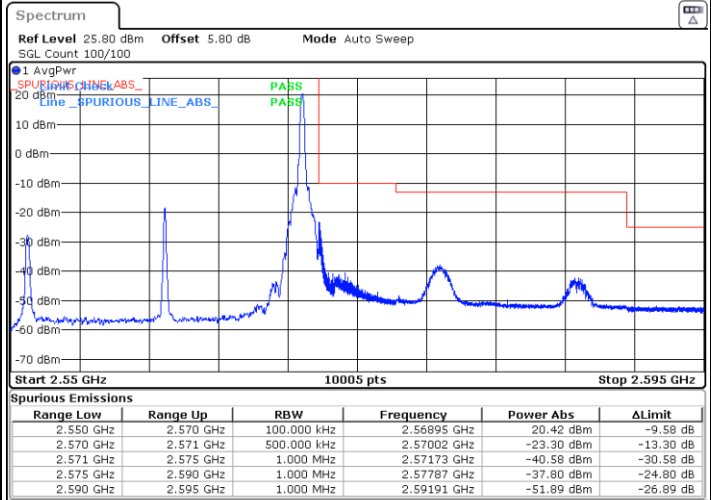
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



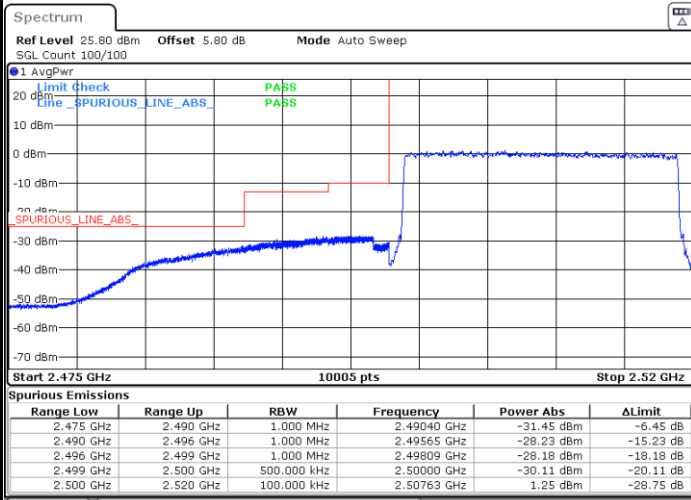
Date: 14.JAN.2022 21:20:23



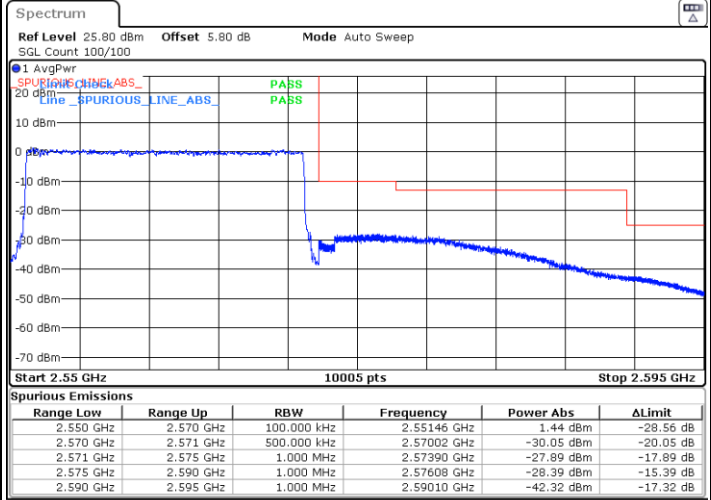
Date: 14.JAN.2022 21:28:04

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.JAN.2022 21:24:51

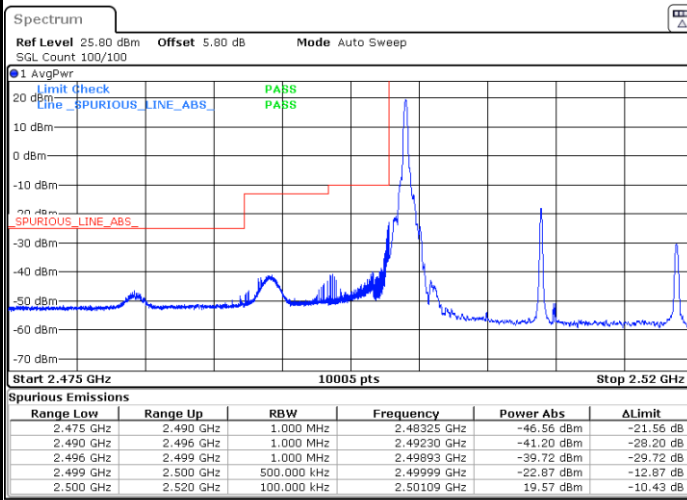


Date: 14.JAN.2022 21:33:44



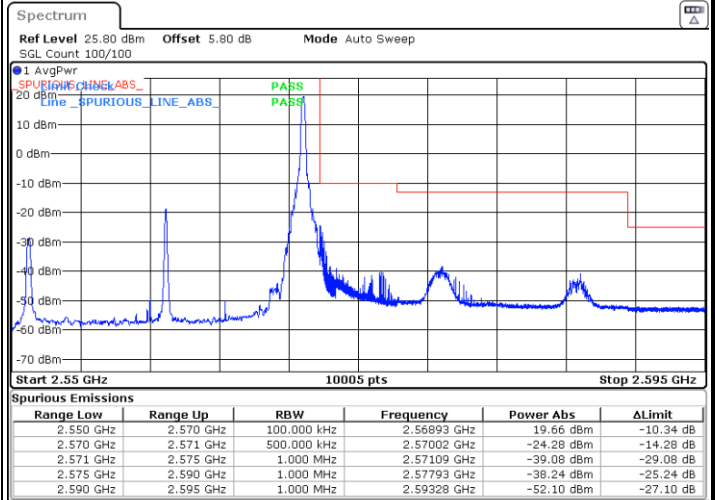
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



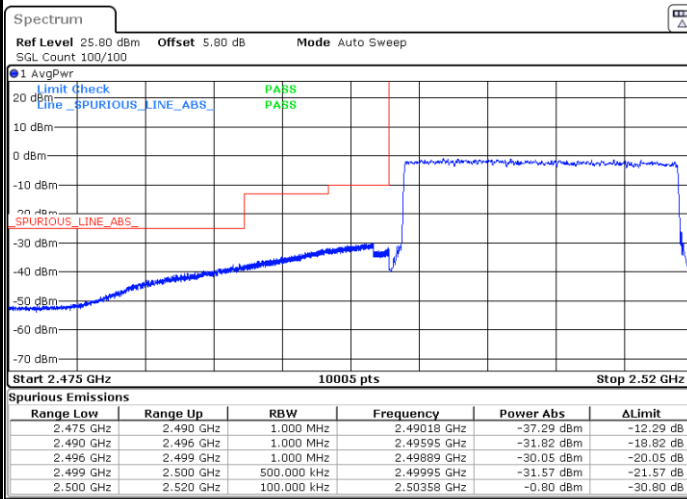
Date: 14.JAN.2022 21:21:17

Highest Band Edge / 1 RB



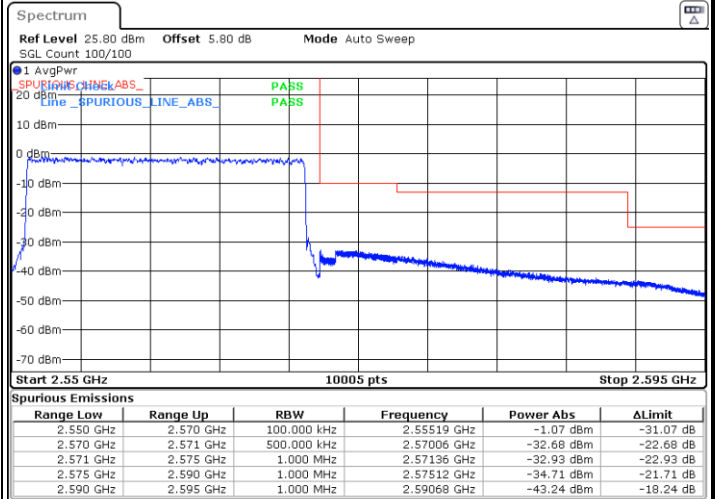
Date: 14.JAN.2022 21:28:57

Lowest Band Edge / Full RB



Date: 14.JAN.2022 21:23:57

Highest Band Edge / Full RB

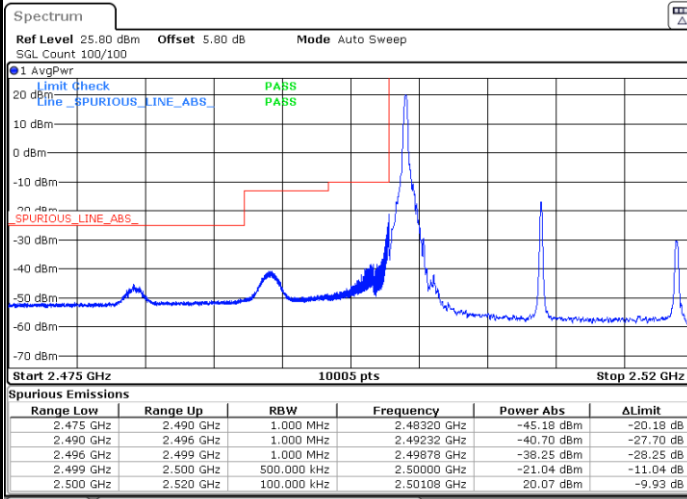


Date: 14.JAN.2022 21:32:51



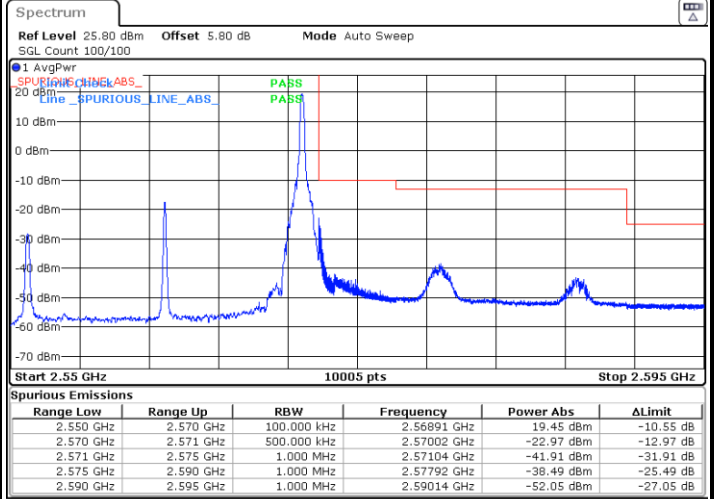
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



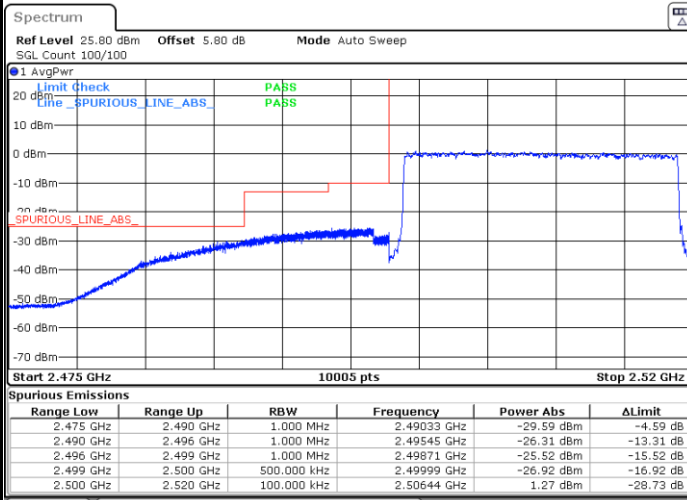
Date: 14.JAN.2022 21:22:10

Highest Band Edge / 1 RB



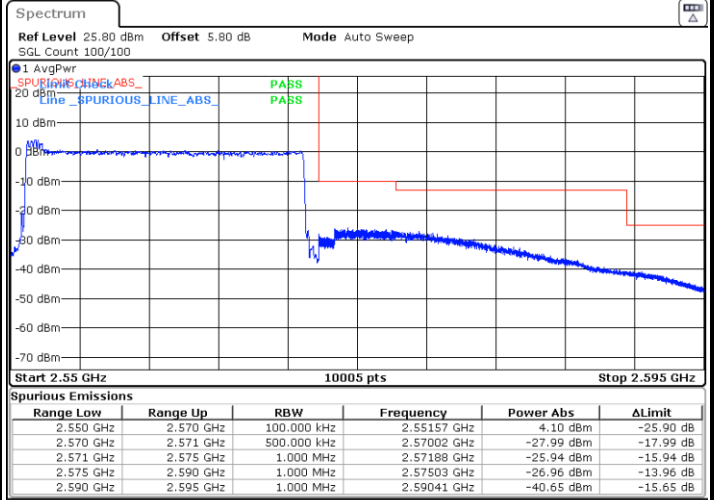
Date: 14.JAN.2022 21:31:04

Lowest Band Edge / Full RB



Date: 14.JAN.2022 21:23:04

Highest Band Edge / Full RB



Date: 14.JAN.2022 21:31:58



# Conducted Spurious Emission

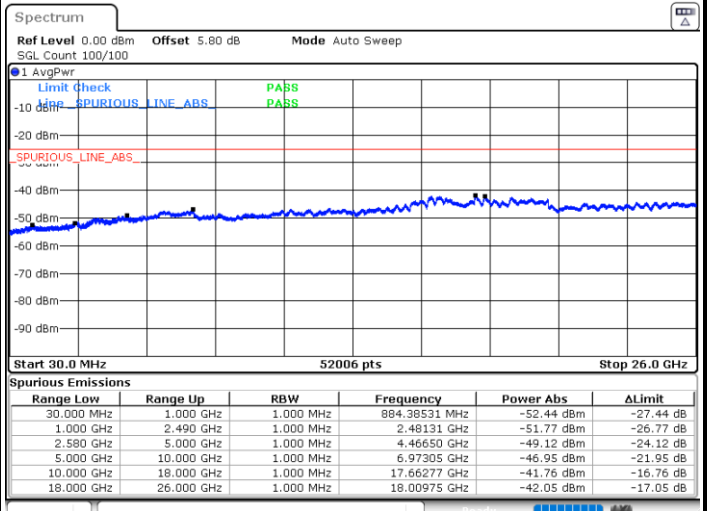
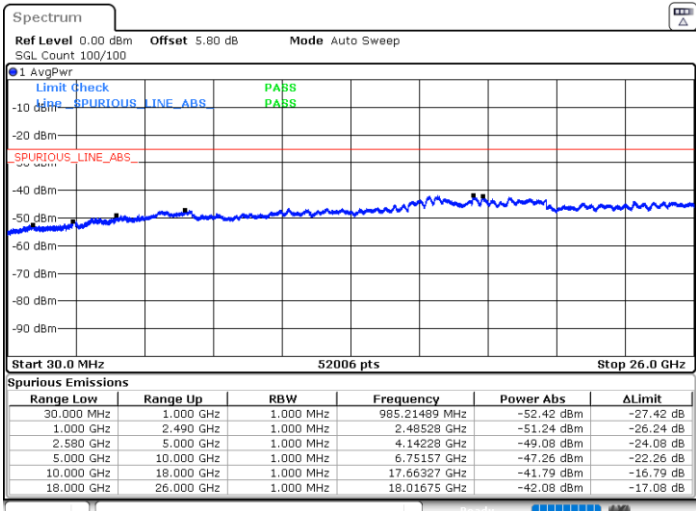




LTE Band 7 / 10MHz

Lowest Channel / QPSK

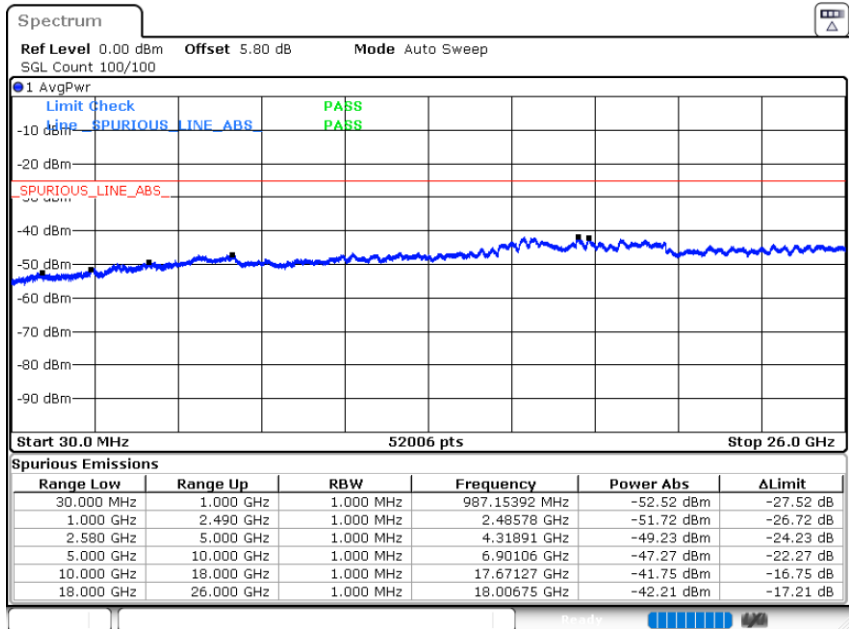
Middle Channel / QPSK



Date: 14.JAN.2022 20:50:59

Date: 14.JAN.2022 20:57:57

Highest Channel / QPSK

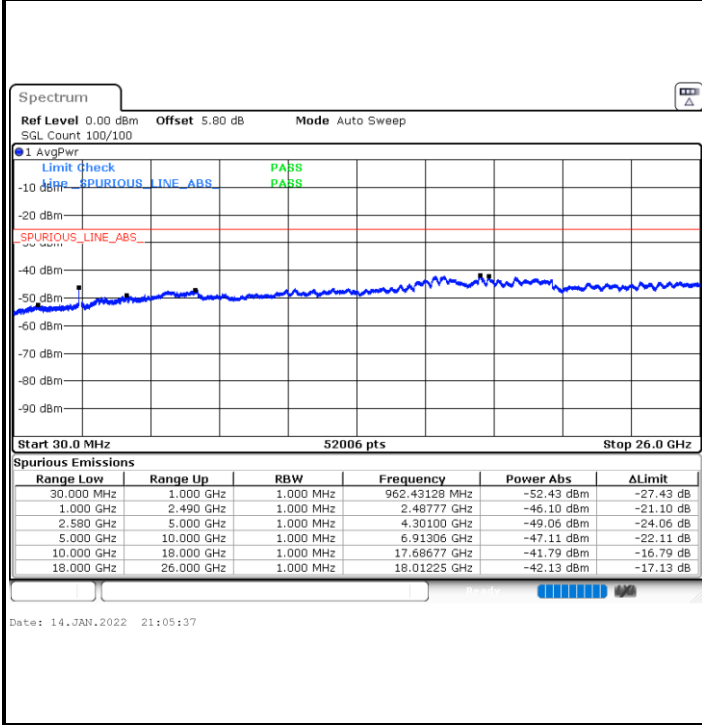


Date: 14.JAN.2022 20:59:07

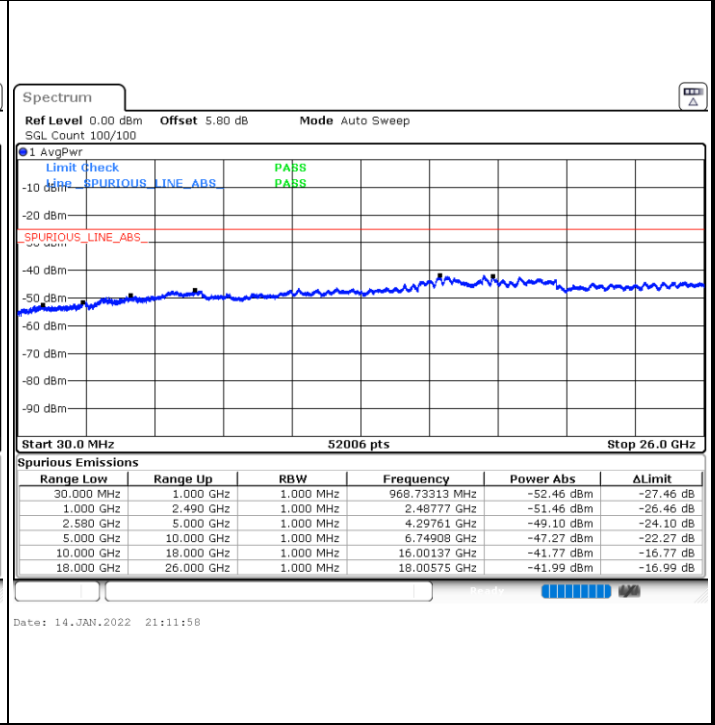


**LTE Band 7 / 15MHz**

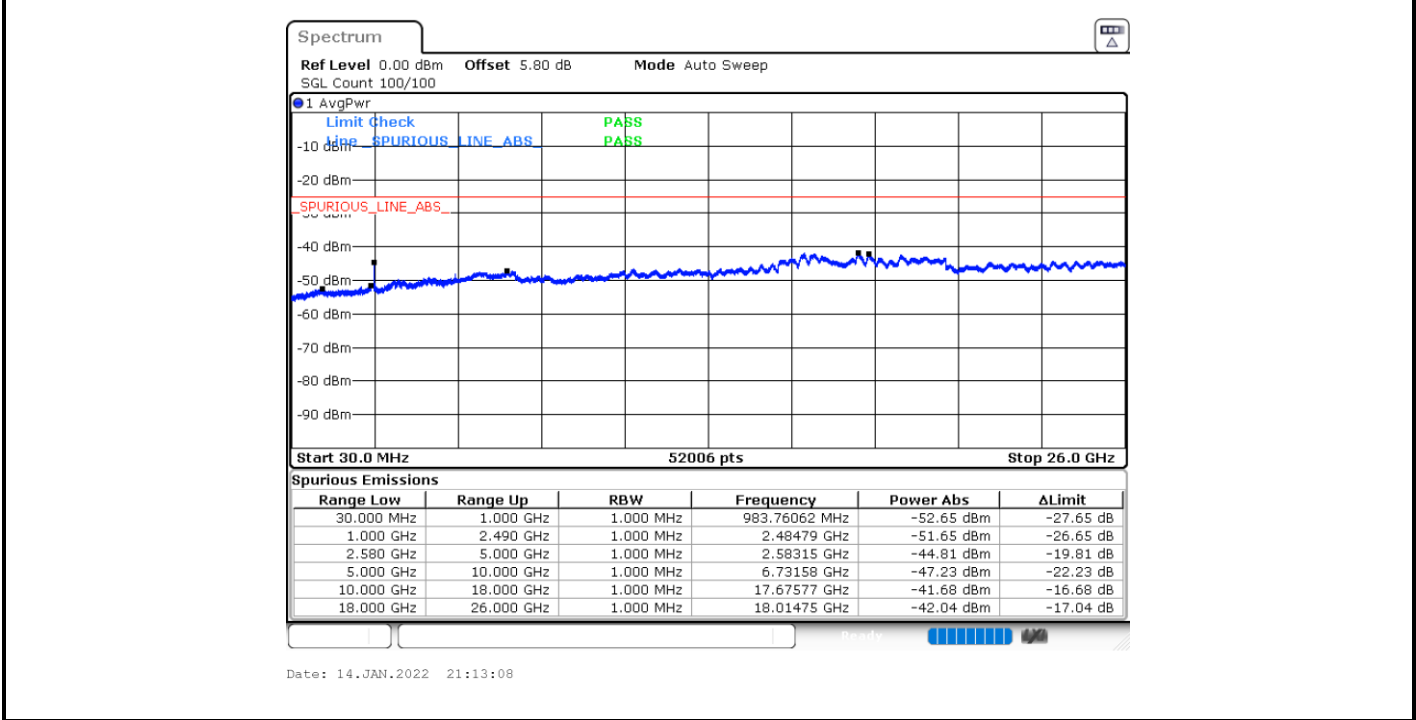
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



**Highest Channel / QPSK**

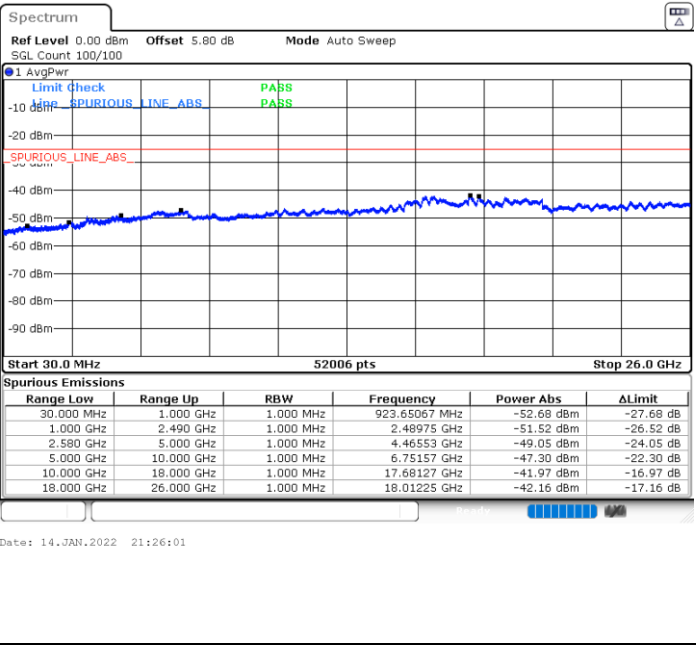
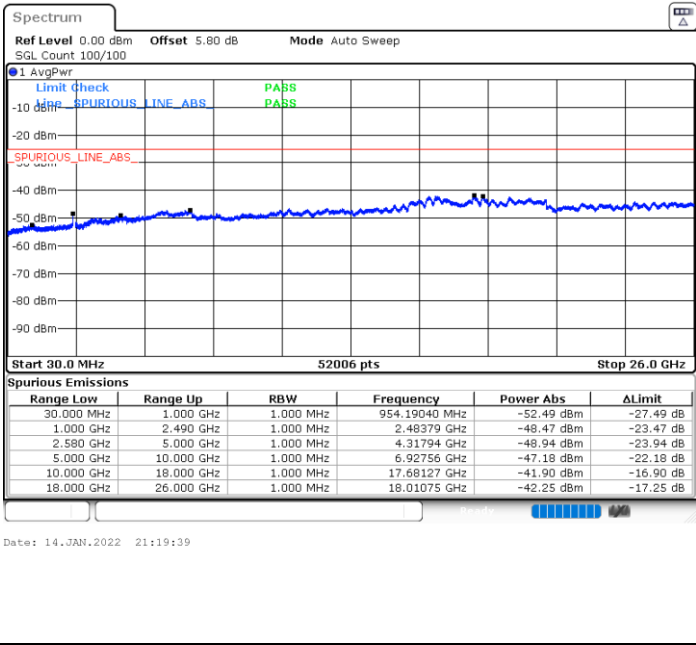




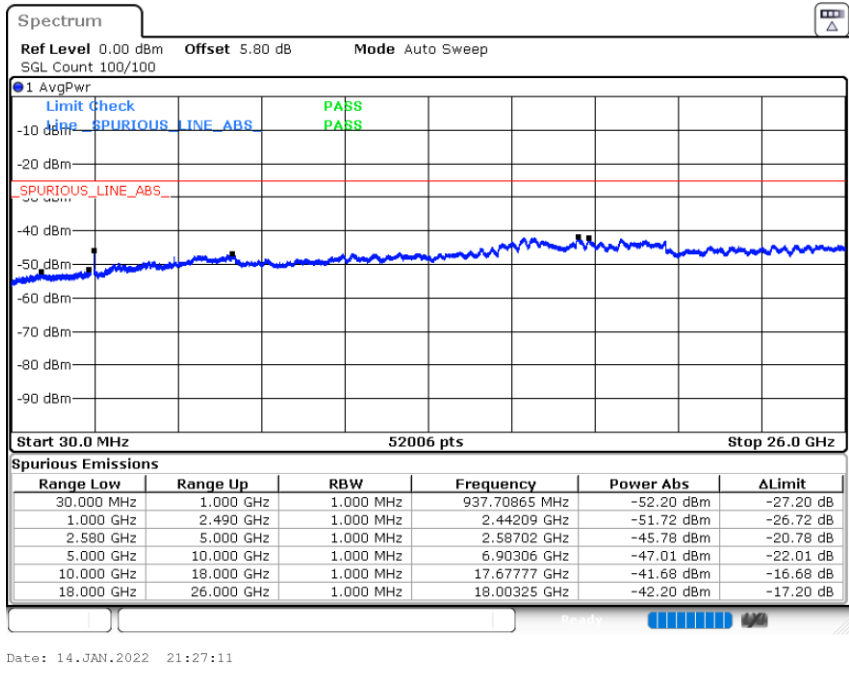
LTE Band 7 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





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	0.0025	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0012	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

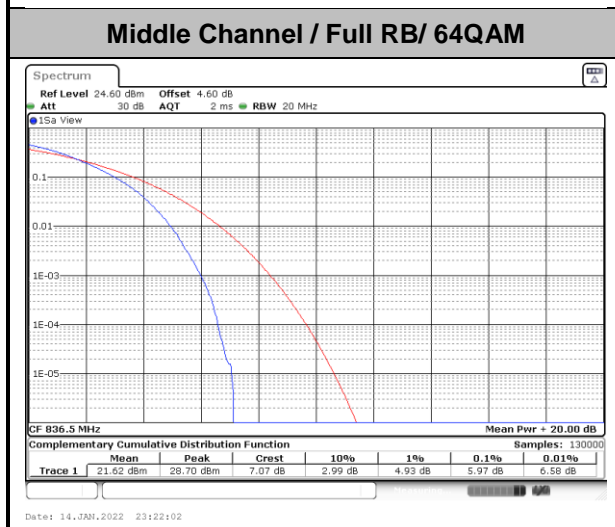
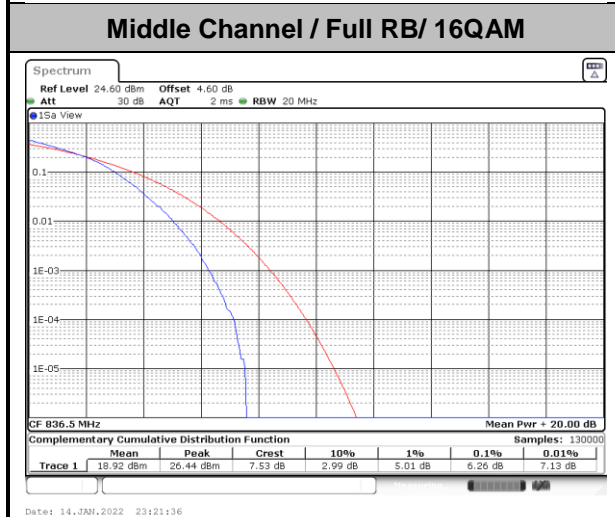
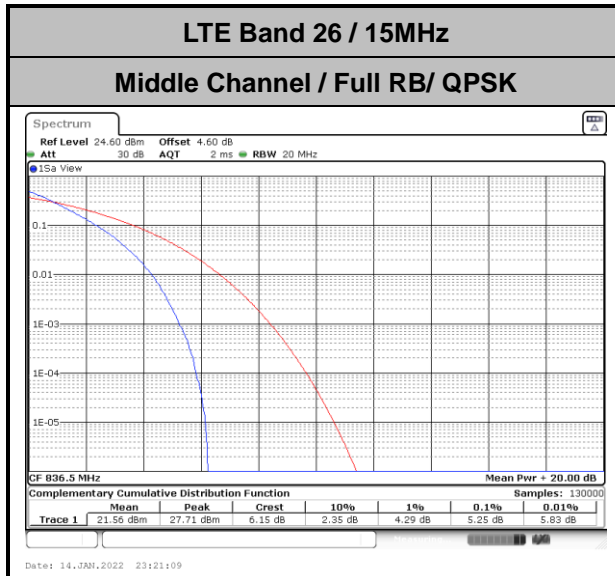




## LTE Band 26

### Peak-to-Average Ratio

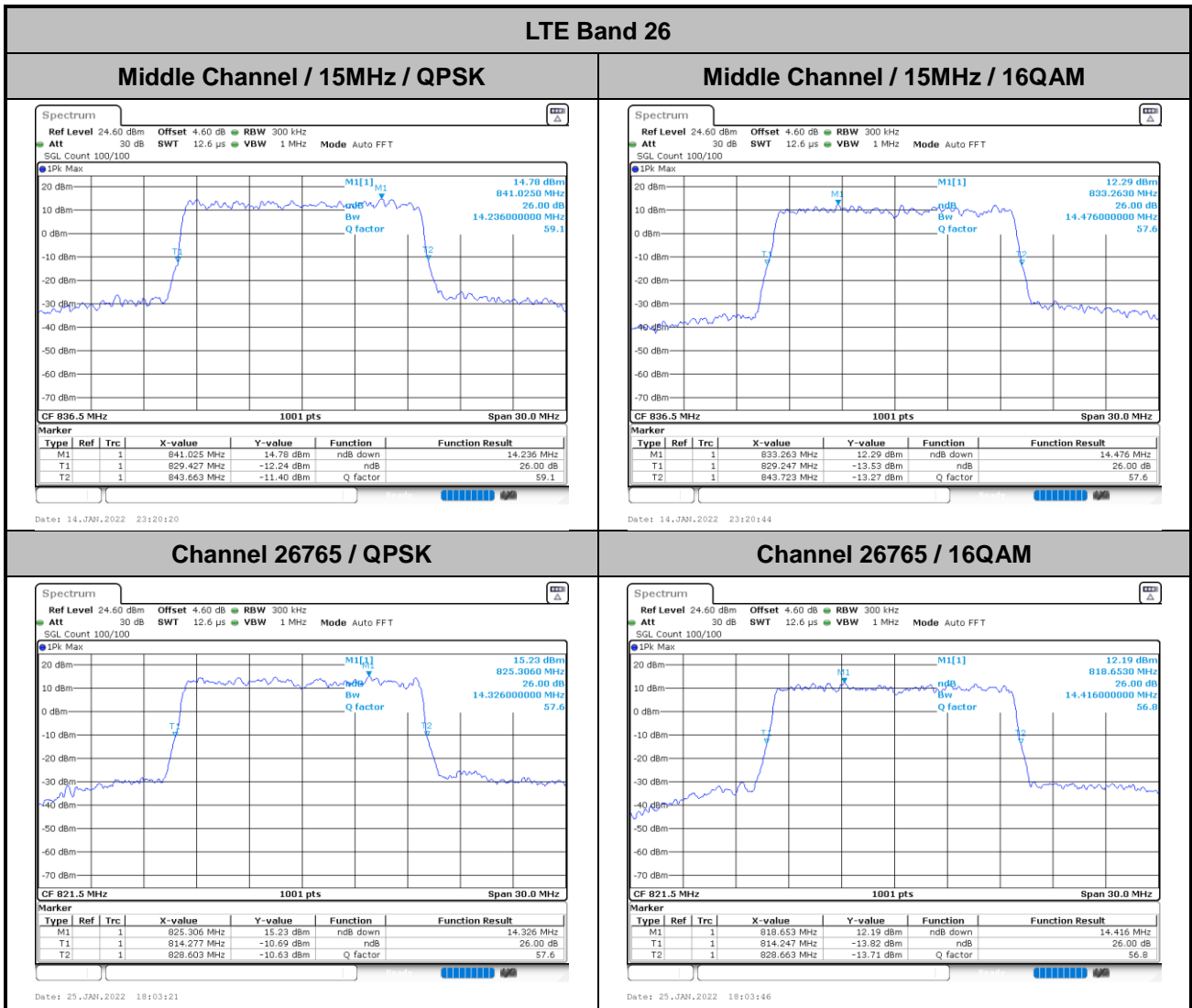
Mode	LTE Band 26 / 15MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.25	6.26	5.97	<b>PASS</b>





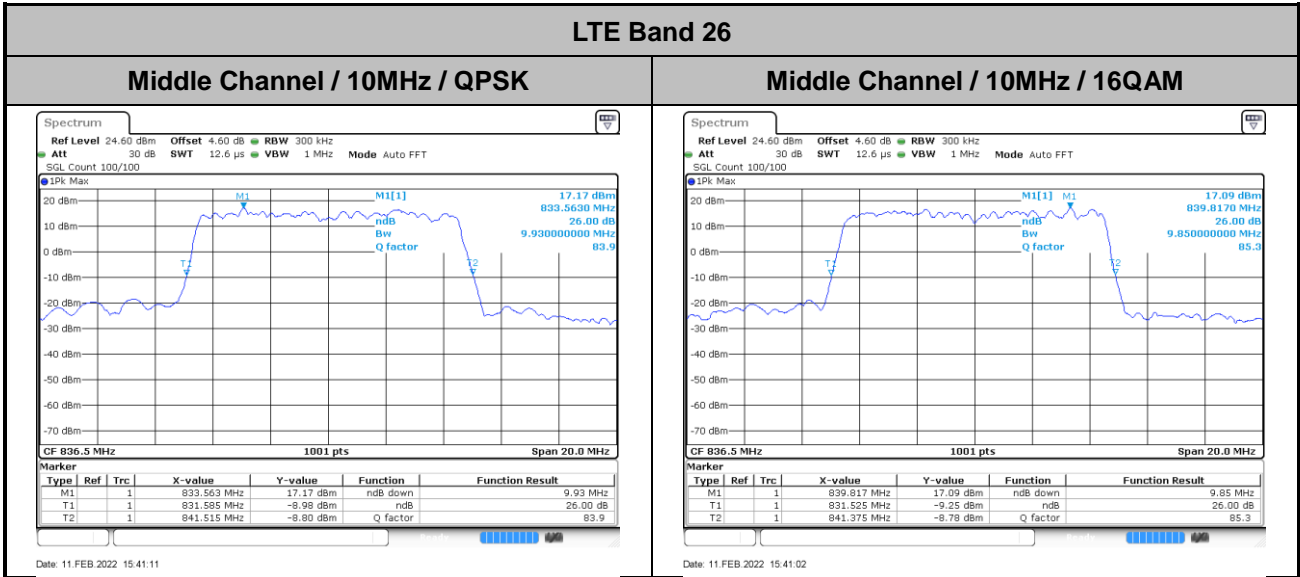
## 26dB Bandwidth

<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>	14.24	14.48
<b>CH 26765</b>	14.33	14.42





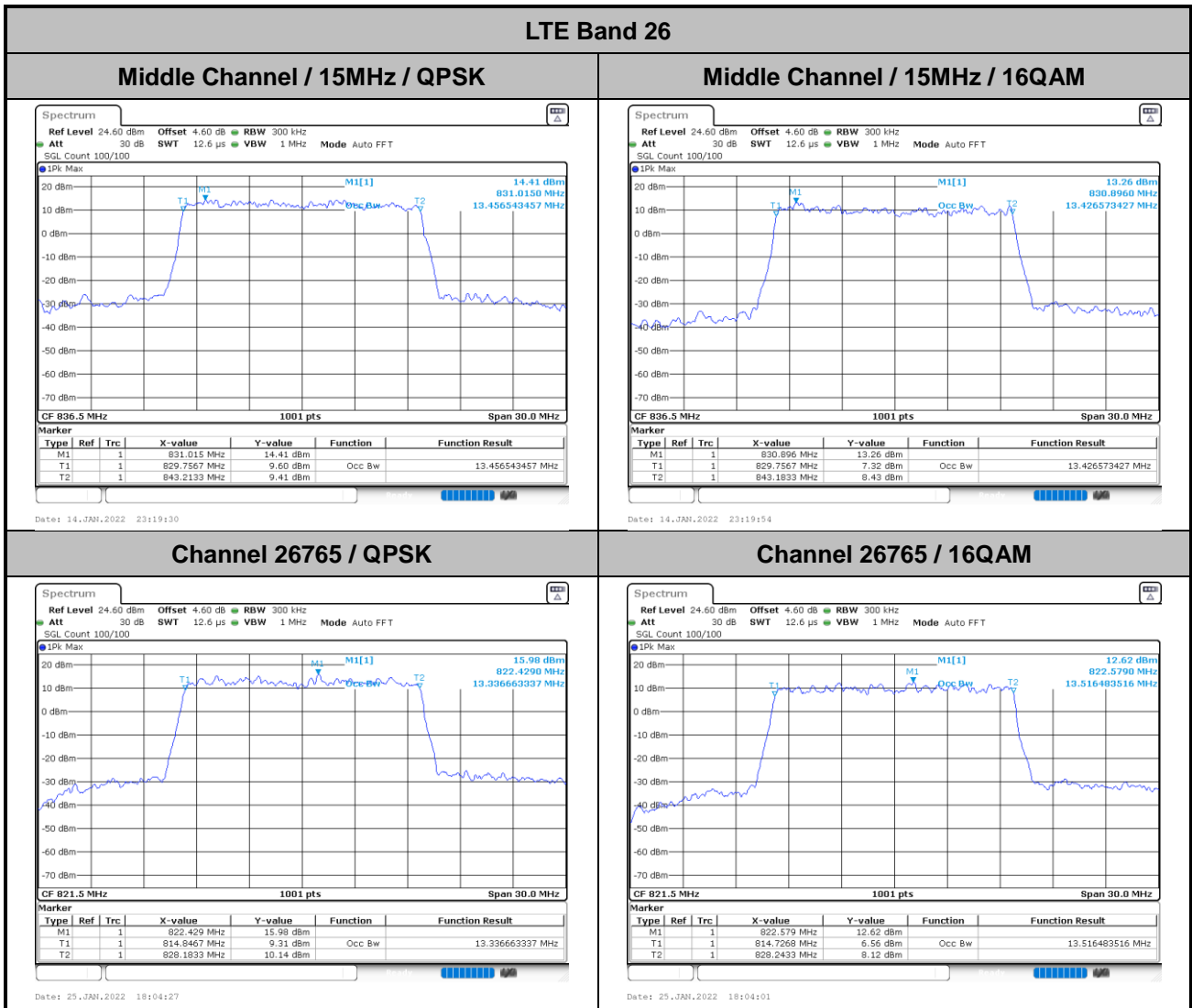
Mode	LTE Band 26 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.93	9.85





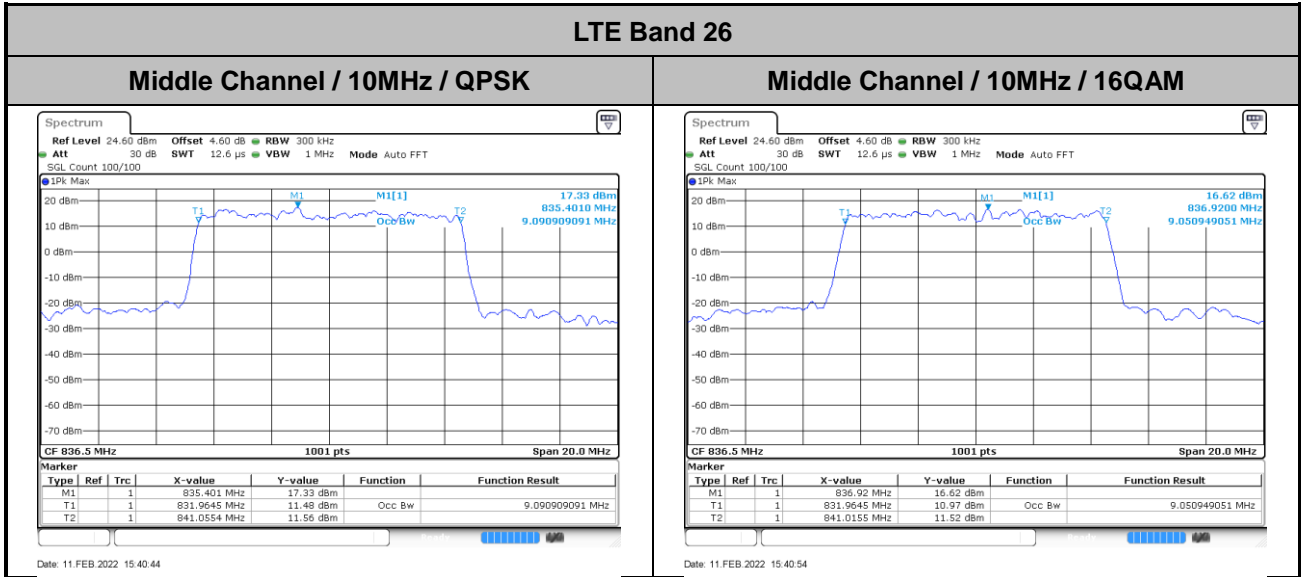
# Occupied Bandwidth

Mode	LTE Band 26 : 99%OBW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.46	13.43
CH 26765	13.34	13.52



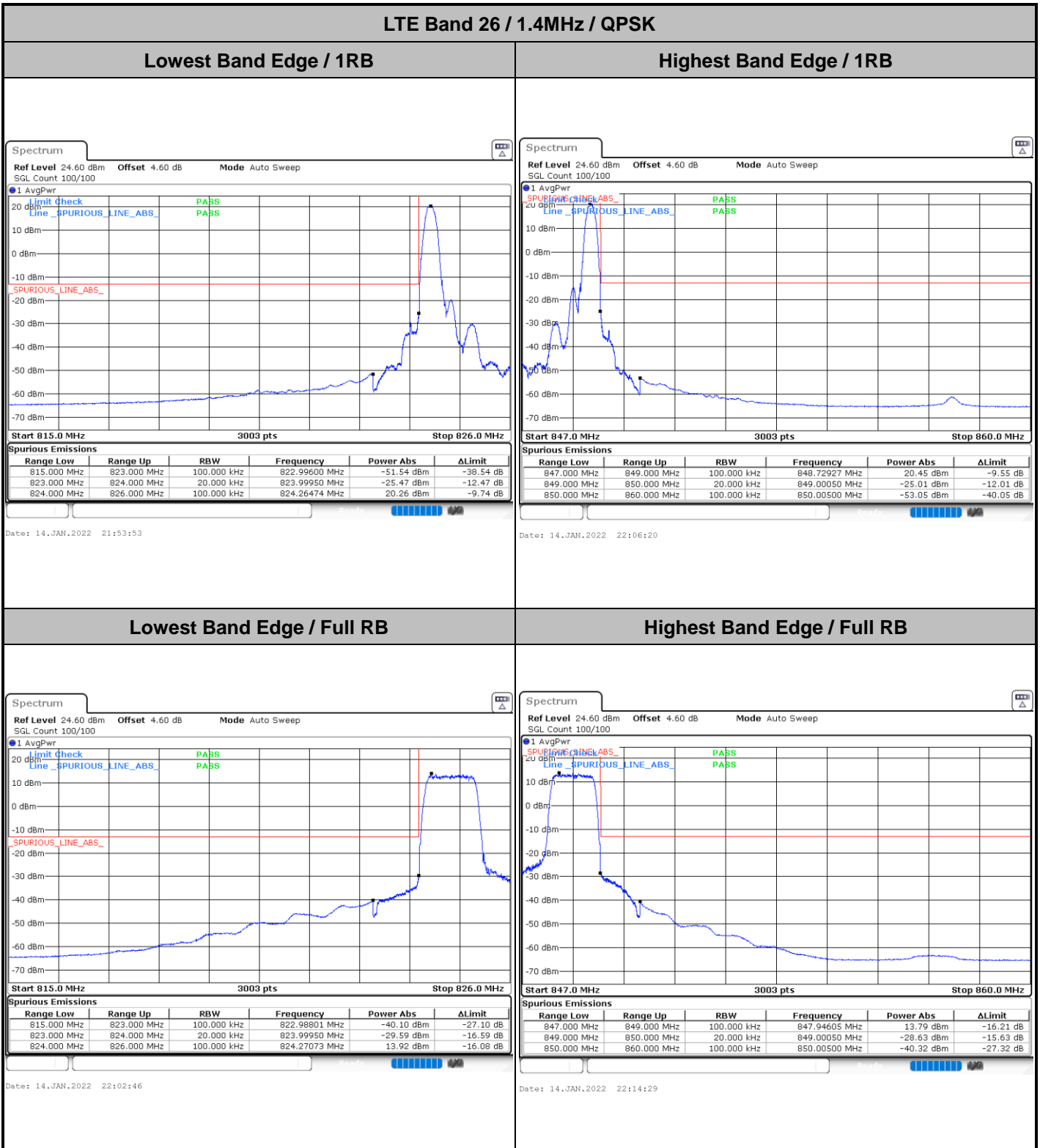


Mode	LTE Band 26 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.09	9.05





# Conducted Band Edge





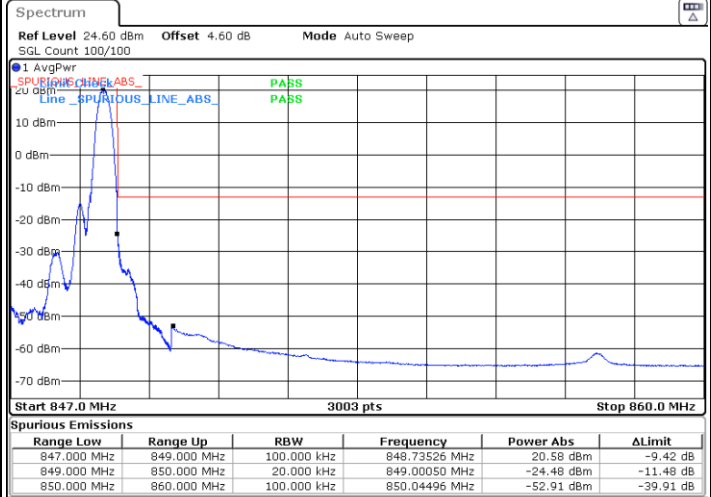
LTE Band 26 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



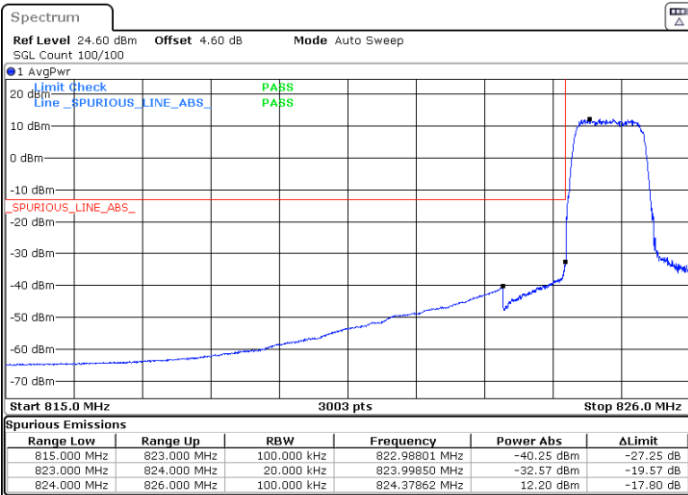
Date: 14.JAN.2022 21:56:15



Date: 14.JAN.2022 22:07:58

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.JAN.2022 22:01:09



Date: 14.JAN.2022 22:12:52

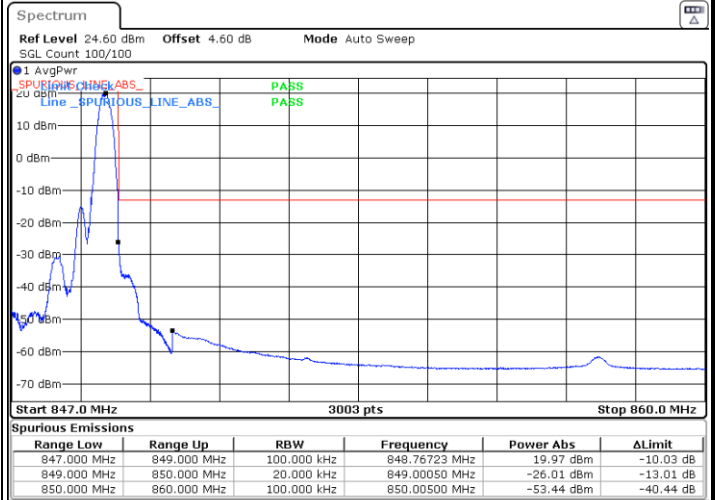




LTE Band 26 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

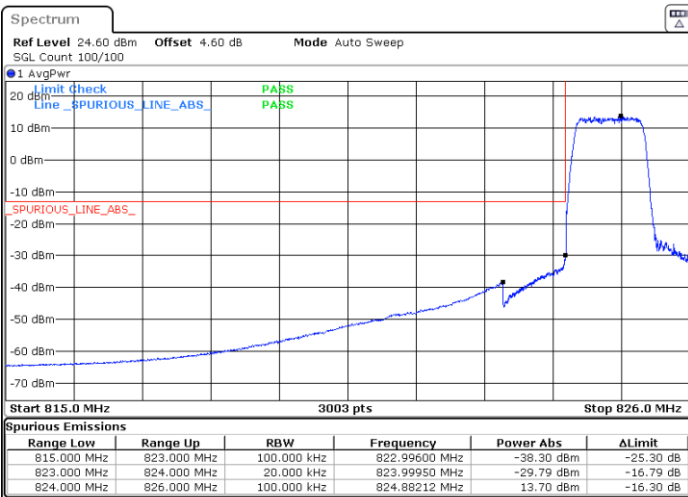


Date: 14.JAN.2022 21:57:53

Date: 14.JAN.2022 22:09:36

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.JAN.2022 21:59:31

Date: 14.JAN.2022 22:11:14