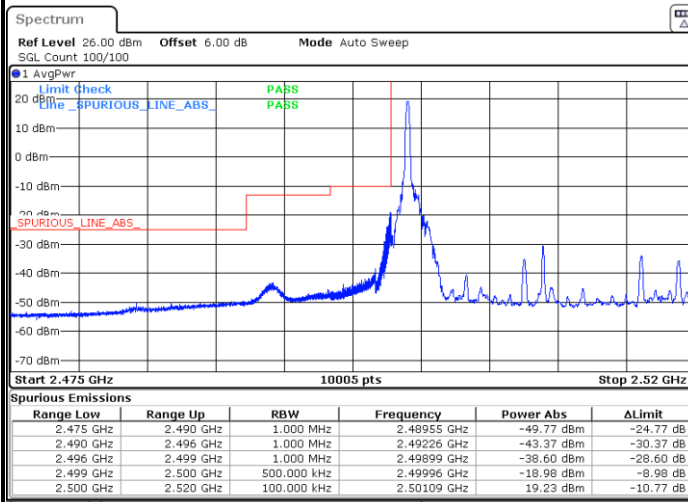


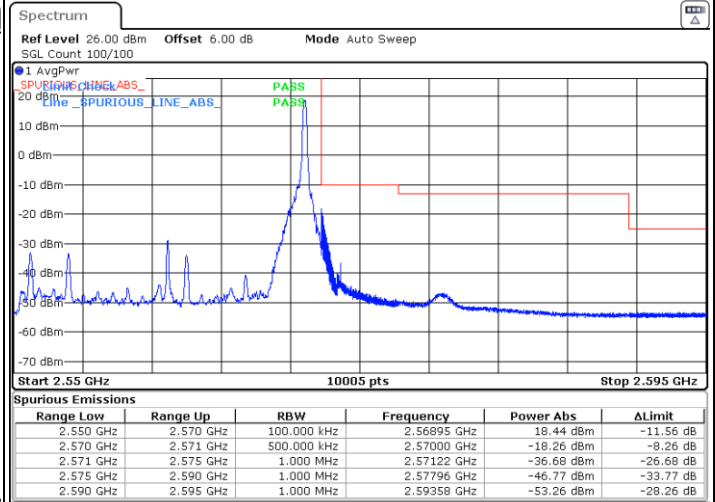


LTE Band 7 / 20MHz / 64QAM

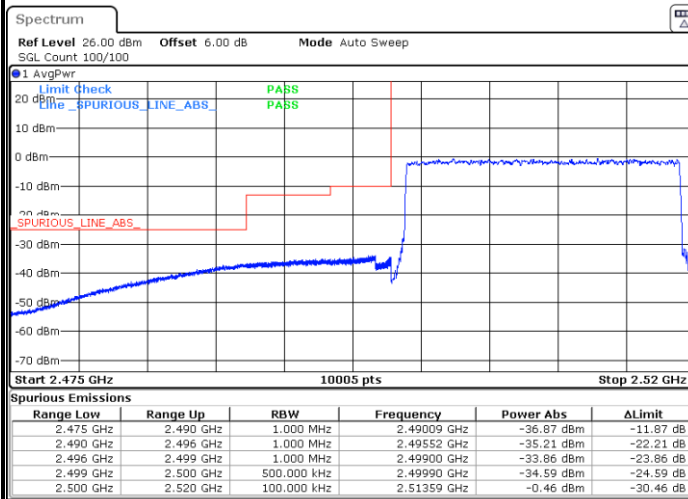
Lowest Band Edge / 1 RB



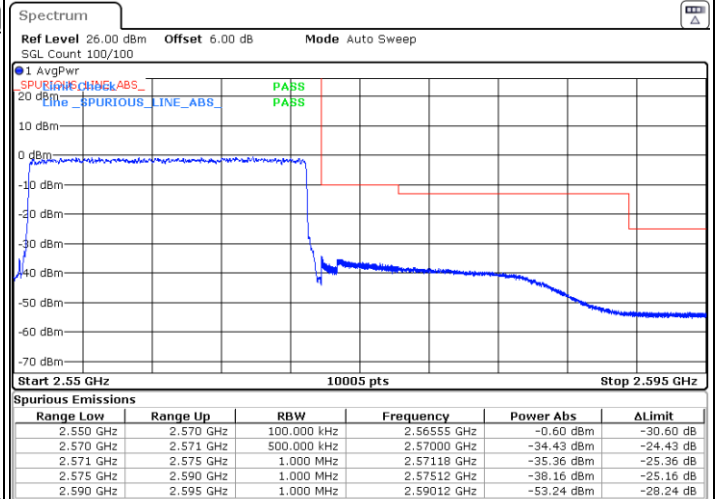
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



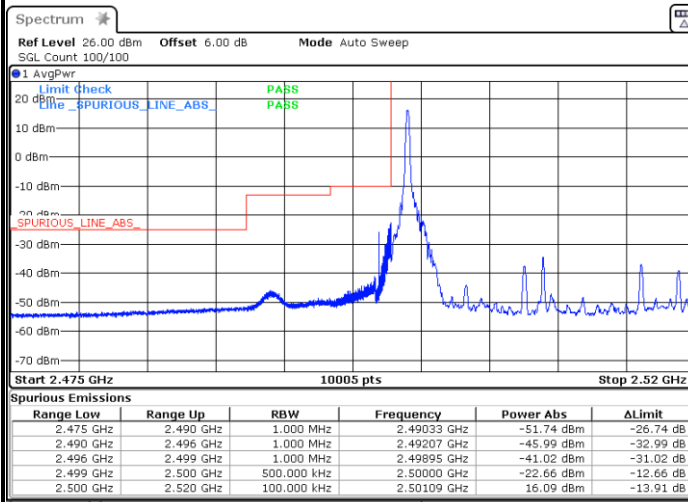
Highest Band Edge / Full RB



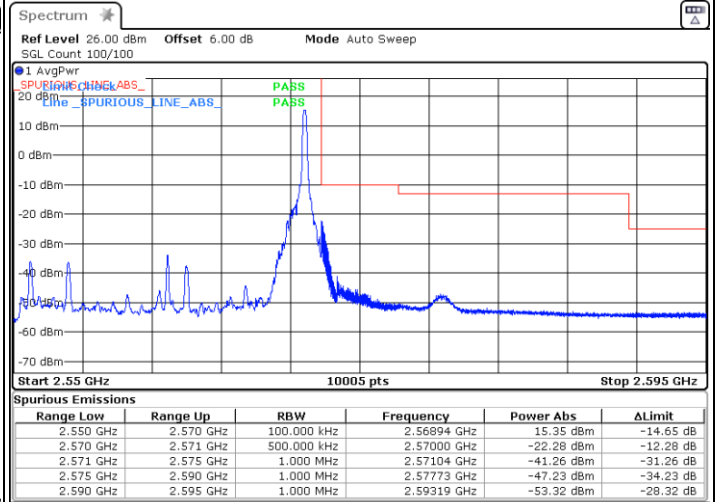


LTE Band 7 / 20MHz / 256QAM

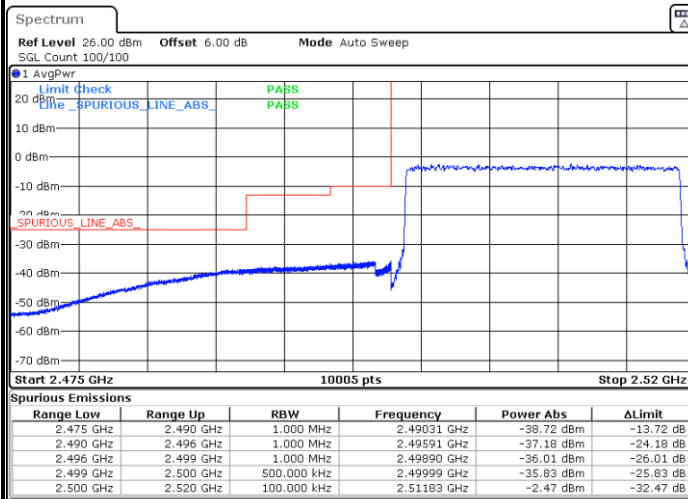
Lowest Band Edge / 1 RB



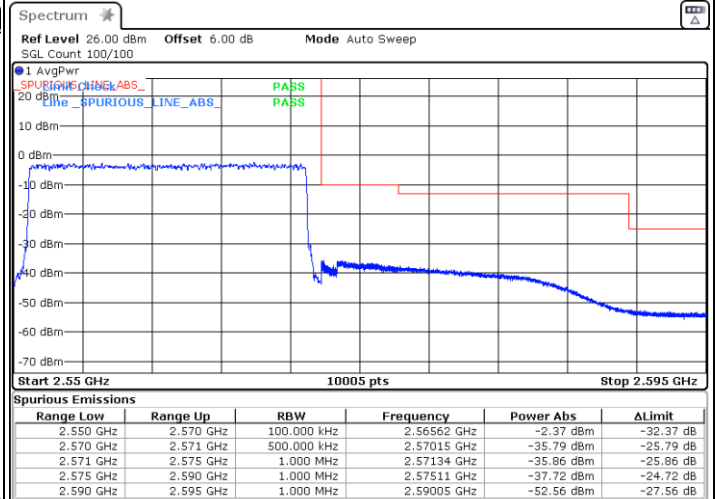
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

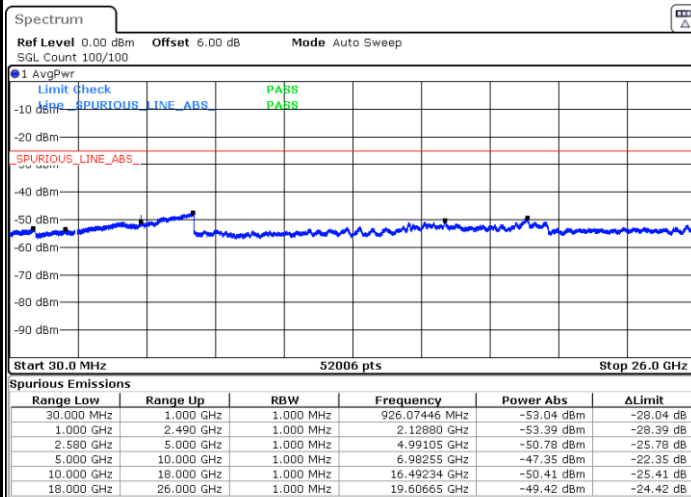




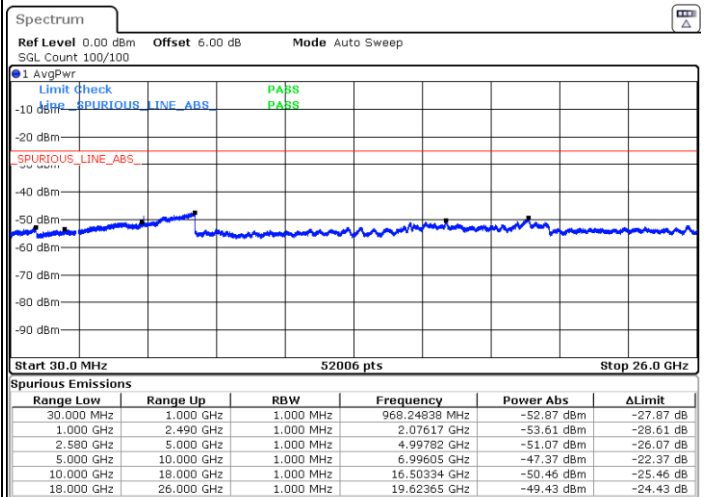
Conducted Spurious Emission

LTE Band 7 / 5MHz

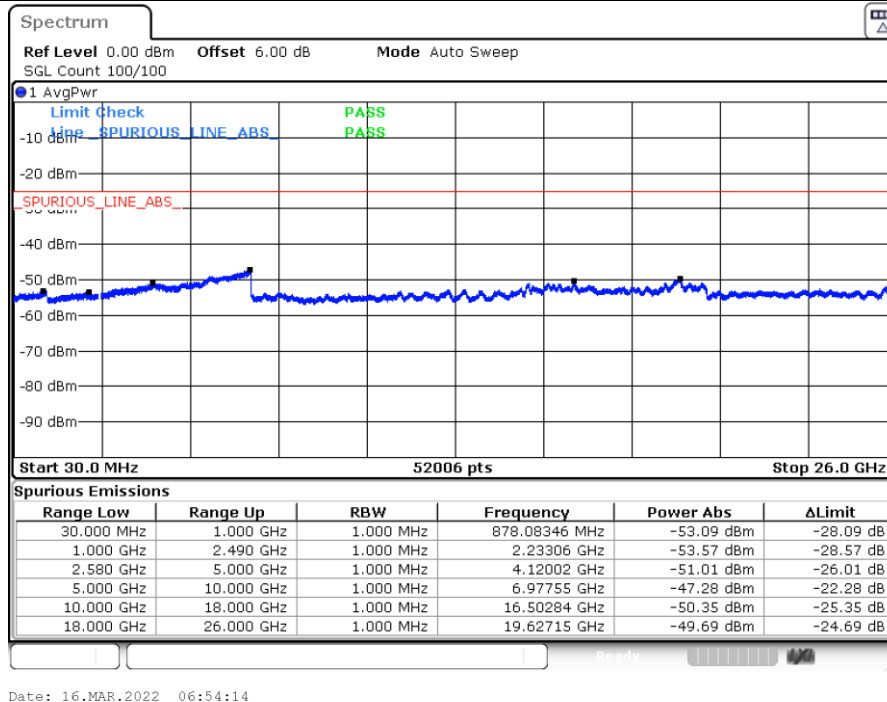
Lowest Channel / QPSK



Middle Channel / QPSK



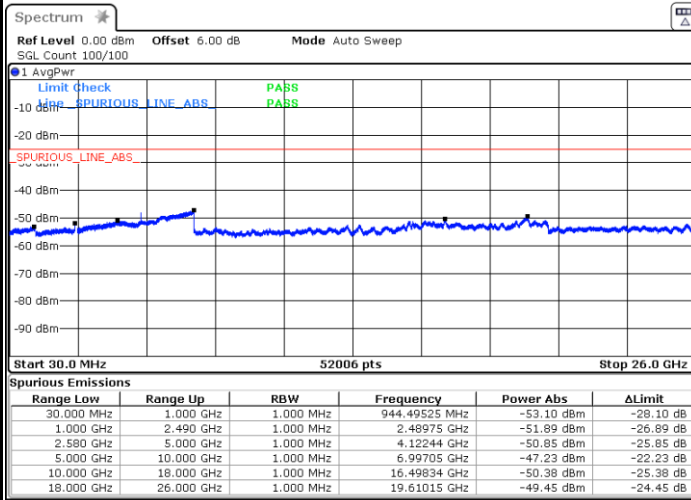
Highest Channel / QPSK





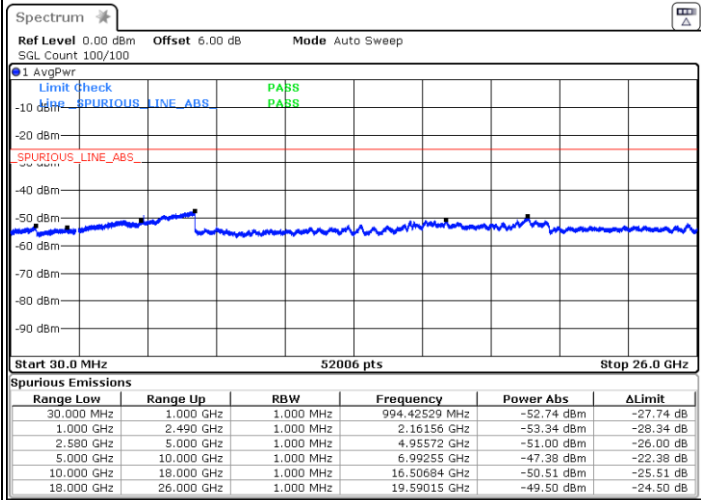
LTE Band 7 / 10MHz

Lowest Channel / QPSK



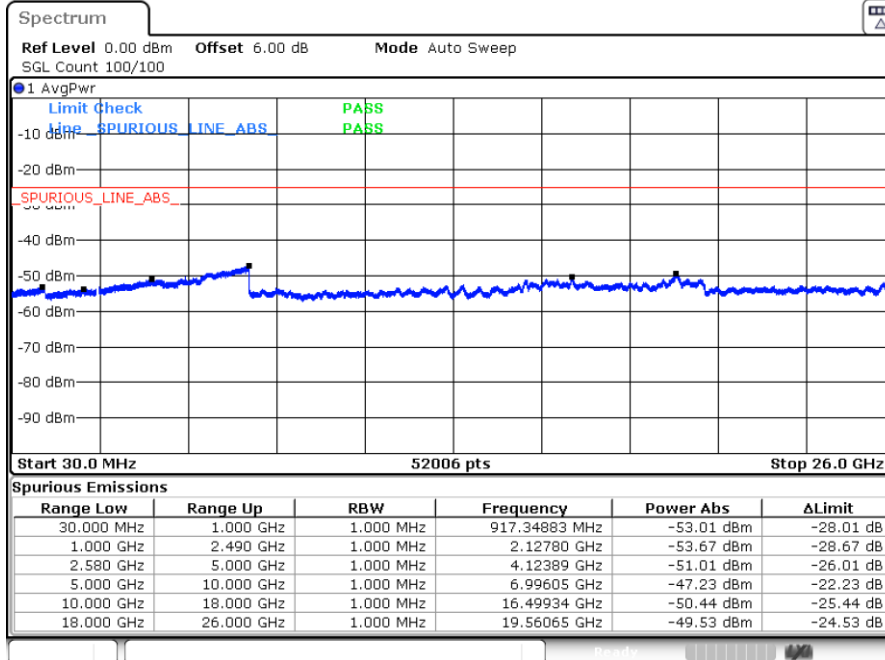
Date: 16.MAR.2022 06:38:00

Middle Channel / QPSK



Date: 16.MAR.2022 06:41:44

Highest Channel / QPSK

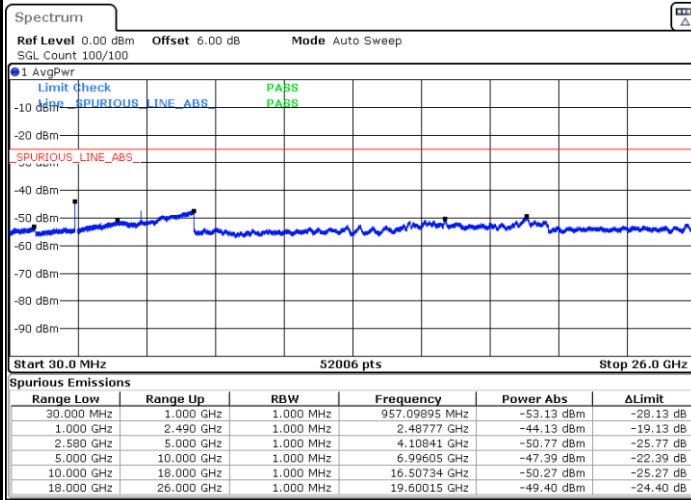


Date: 16.MAR.2022 06:46:12



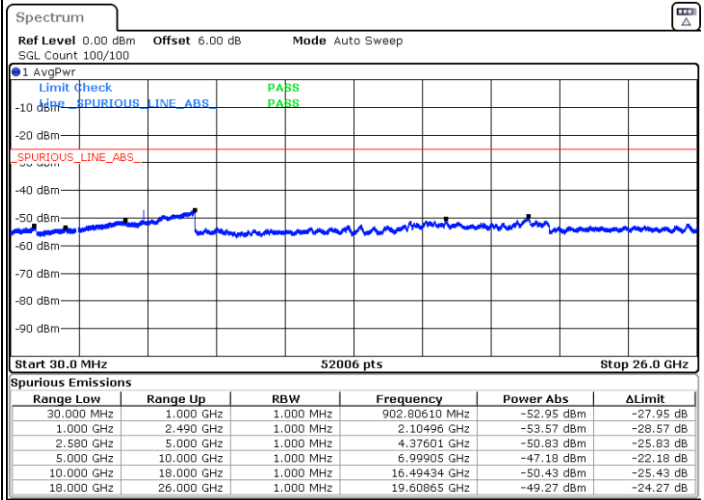
LTE Band 7 / 15MHz

Lowest Channel / QPSK



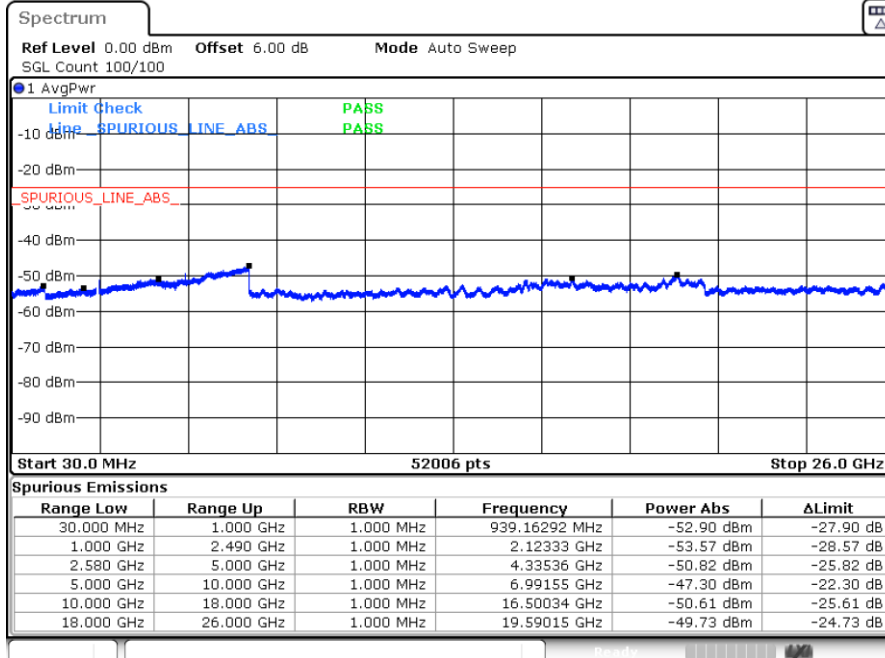
Date: 16.MAR.2022 06:30:14

Middle Channel / QPSK



Date: 16.MAR.2022 06:32:38

Highest Channel / QPSK

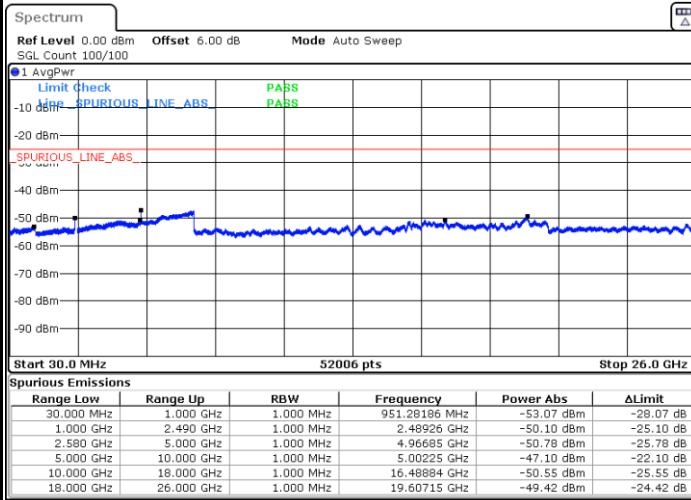


Date: 16.MAR.2022 06:35:07



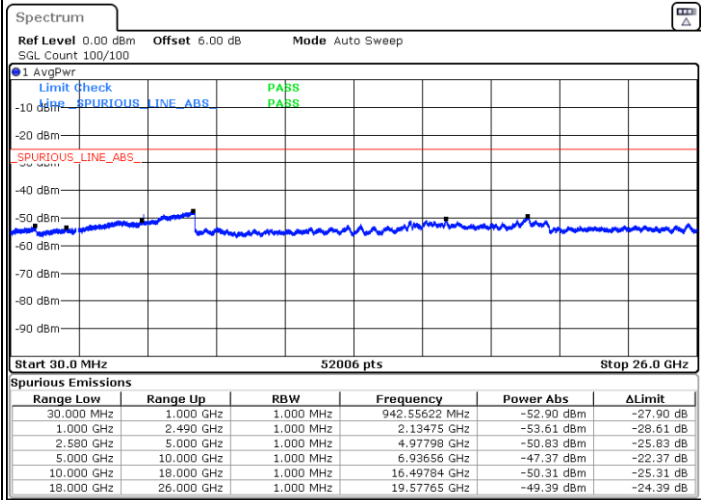
LTE Band 7 / 20MHz

Lowest Channel / QPSK



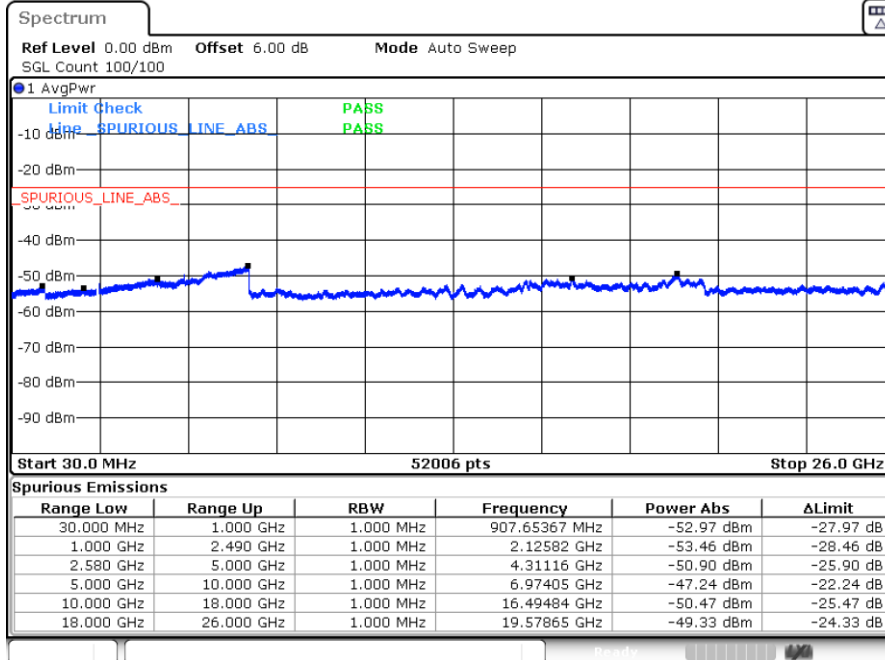
Date: 16.MAR.2022 06:27:41

Middle Channel / QPSK



Date: 16.MAR.2022 06:22:50

Highest Channel / QPSK



Date: 16.MAR.2022 06:25:18

**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	0.0022	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0015	
20	Battery End Point	0.0005	

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.

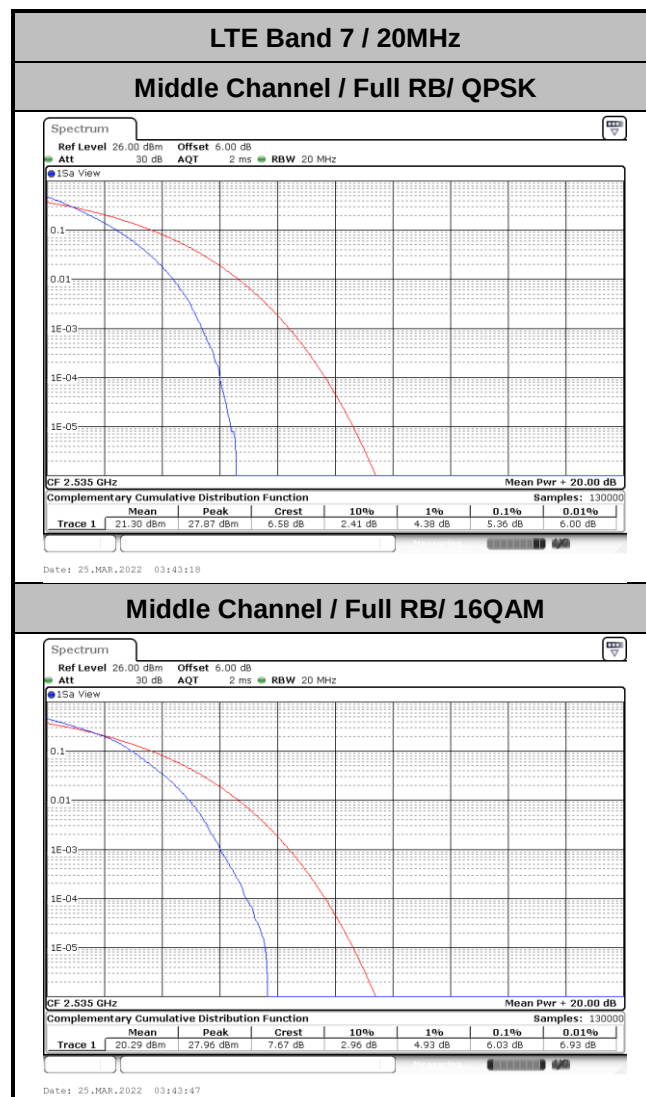


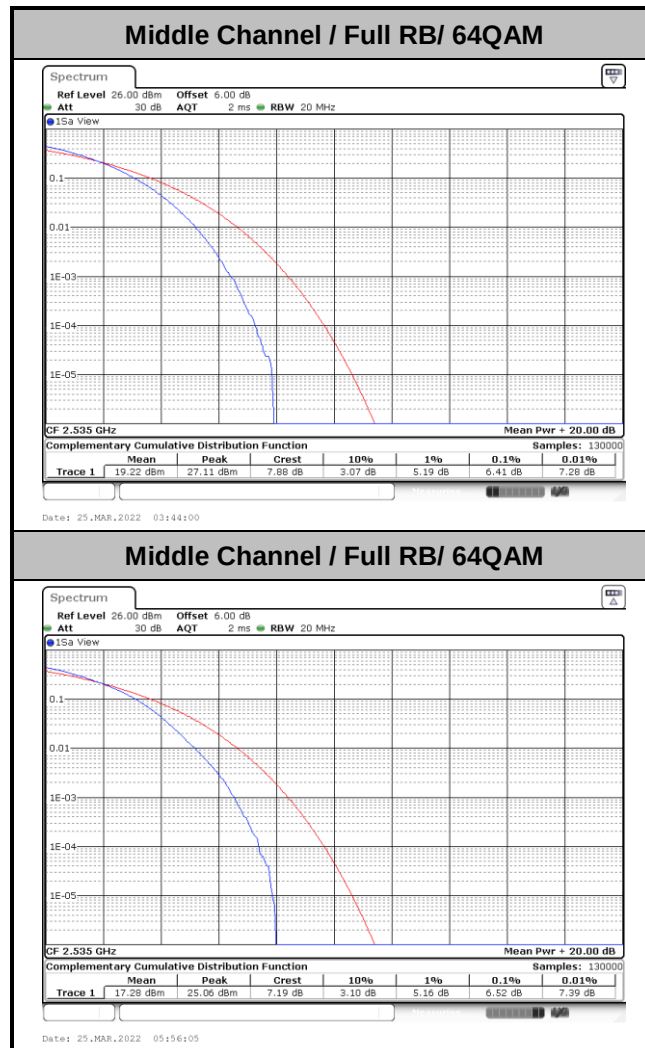
Other PA

LTE Band 7

Peak-to-Average Ratio

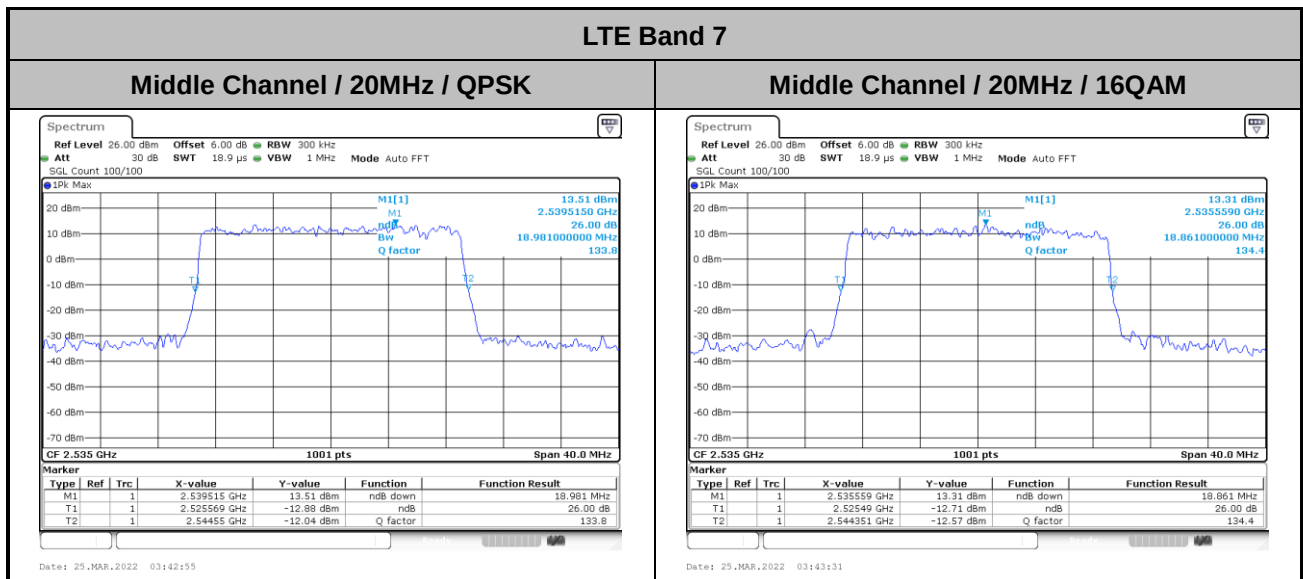
Mode	LTE Band 7 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.36	6.03	6.41	6.52	PASS





**26dB Bandwidth**

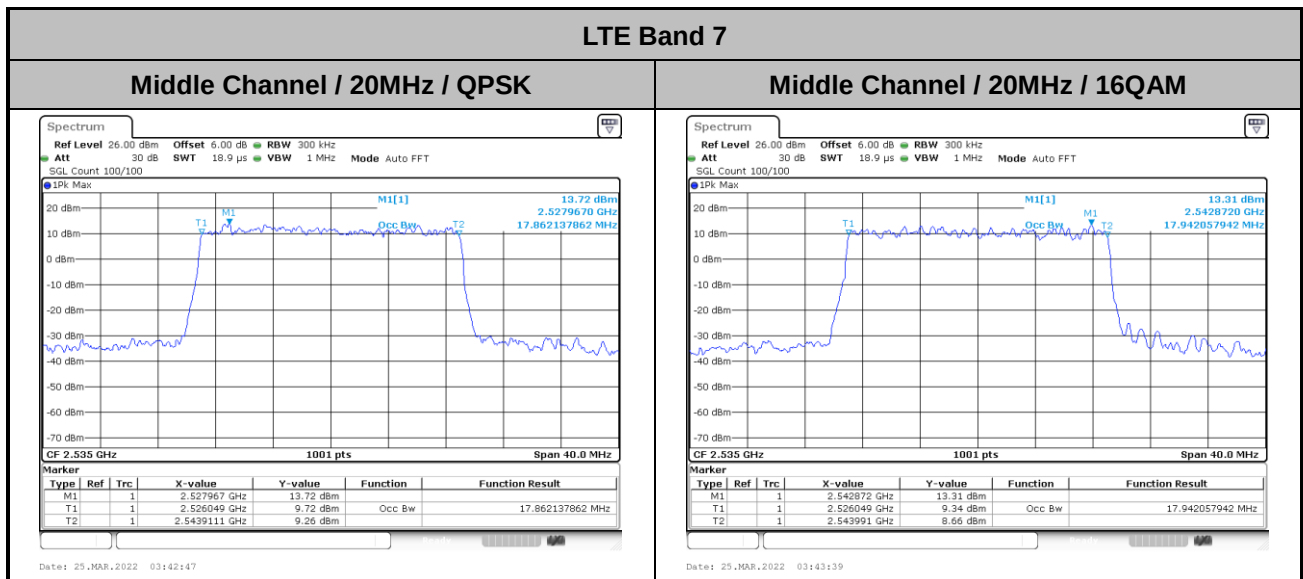
Mode	LTE Band 7 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.98	18.86





Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.86	17.94

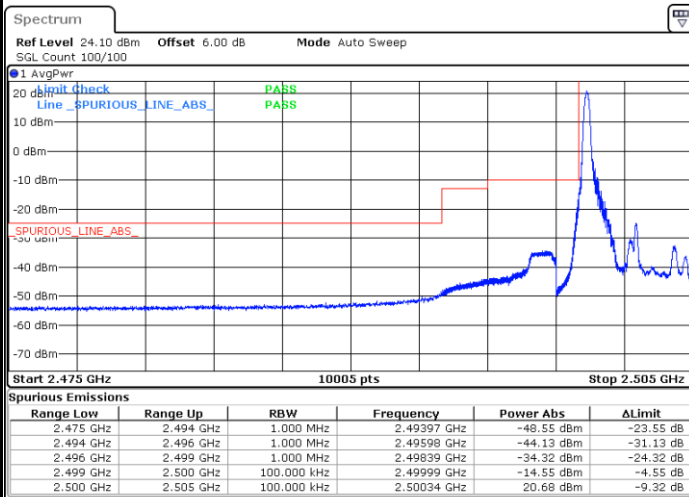




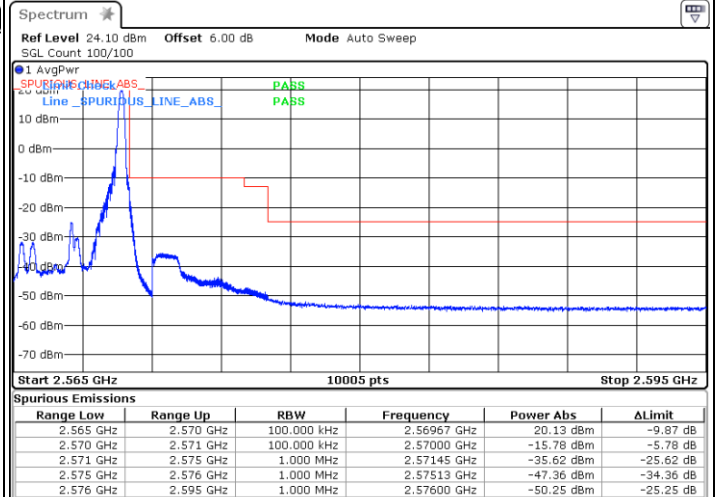
Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

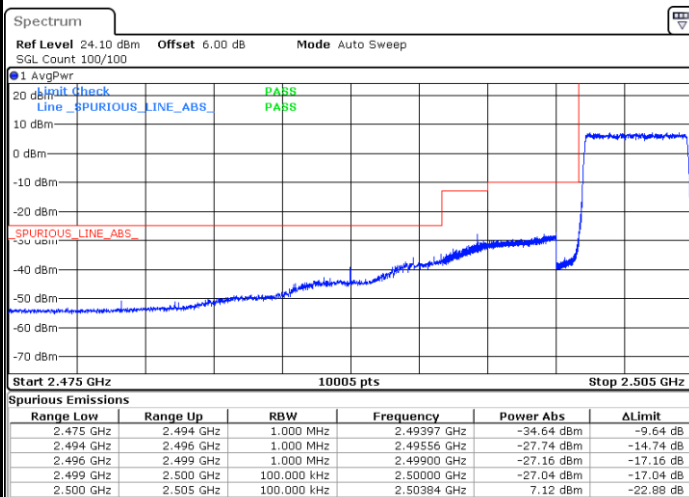
Lowest Band Edge / 1 RB



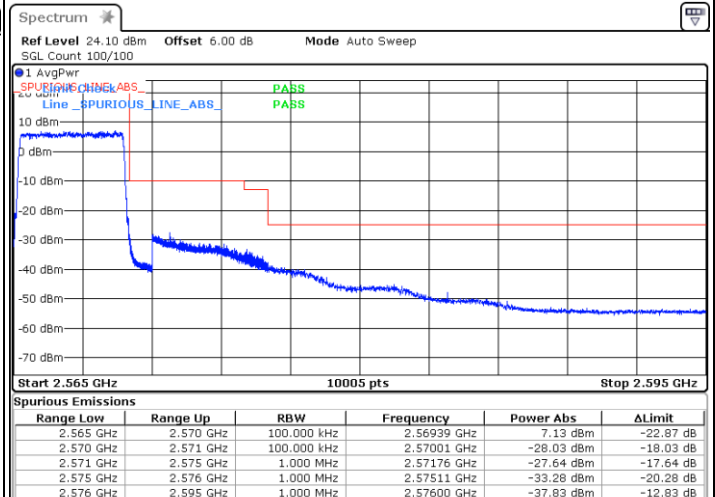
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



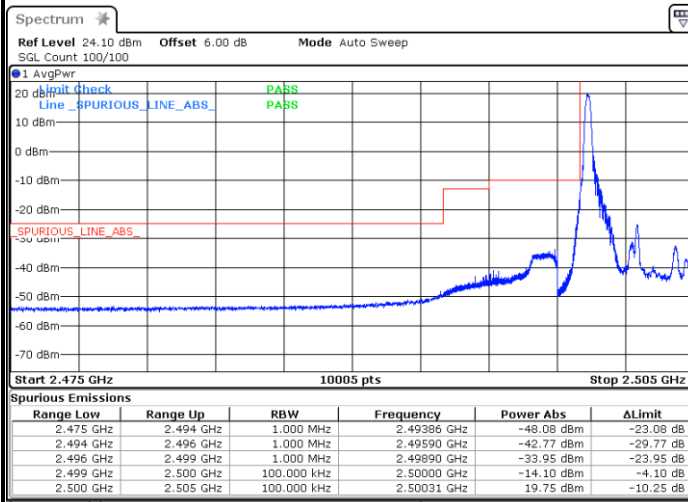
Highest Band Edge / Full RB





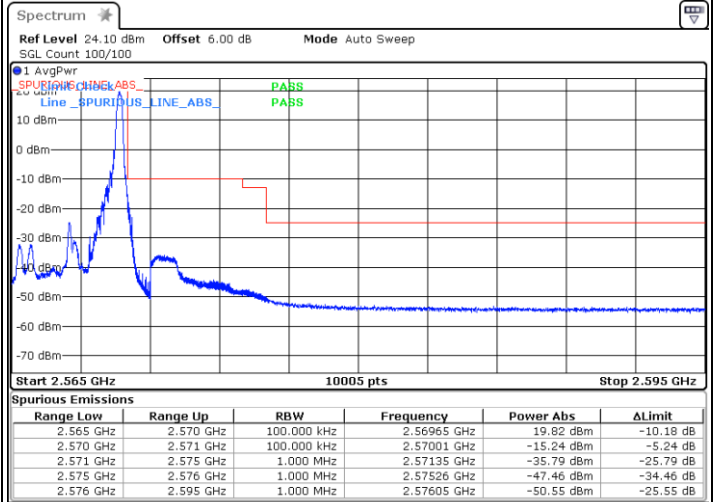
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



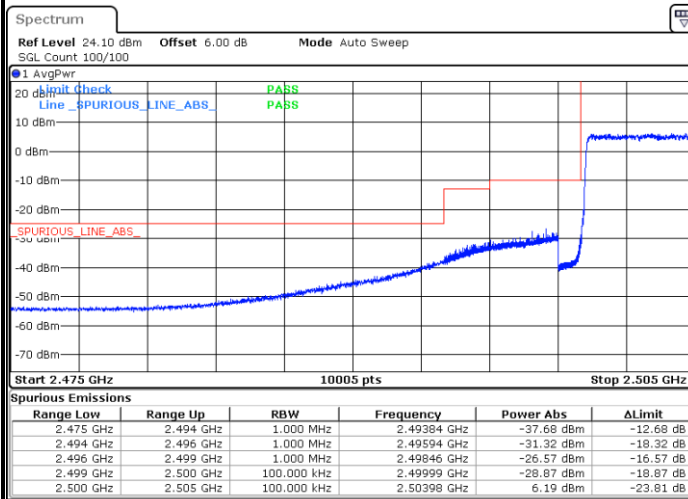
Date: 25.MAR.2022 02:49:09

Highest Band Edge / 1 RB



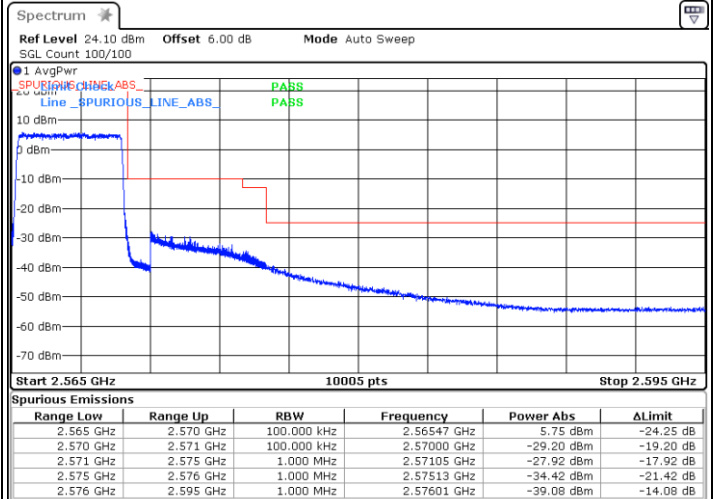
Date: 25.MAR.2022 02:57:46

Lowest Band Edge / Full RB



Date: 25.MAR.2022 02:52:28

Highest Band Edge / Full RB

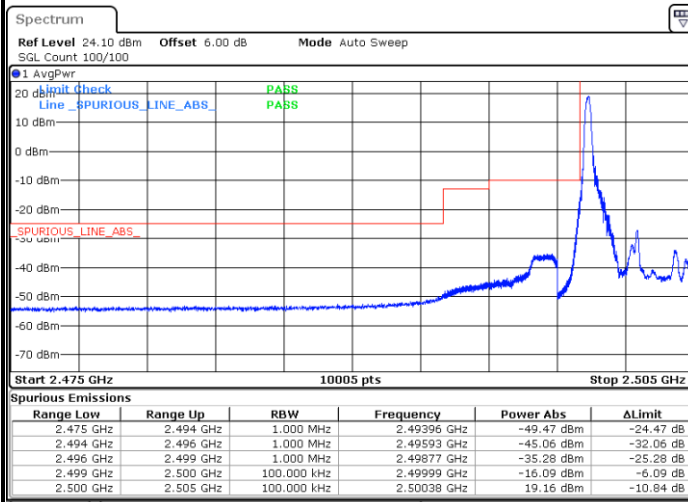


Date: 25.MAR.2022 03:00:59

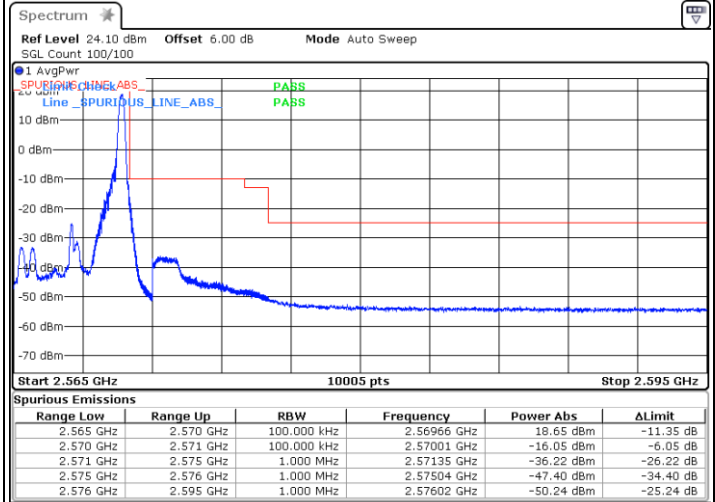


LTE Band 7 / 5MHz / 64QAM

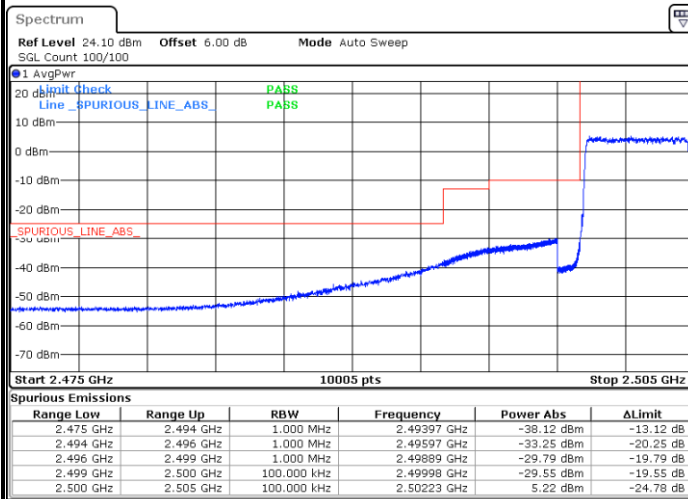
Lowest Band Edge / 1RB



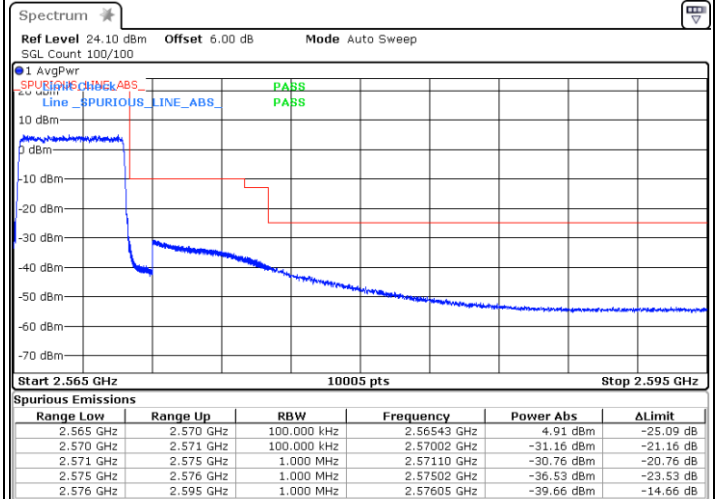
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



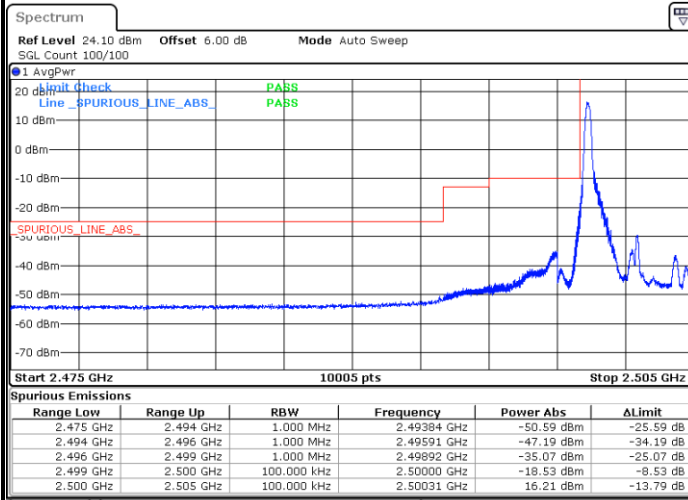
Highest Band Edge / Full RB



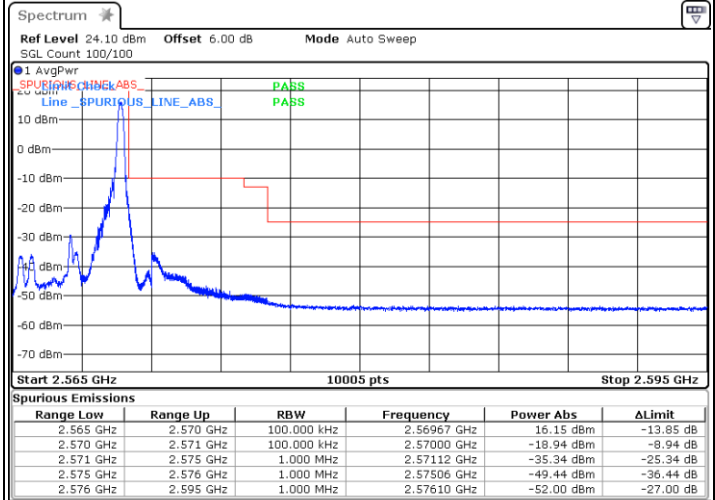


LTE Band 7 / 5MHz / 256QAM

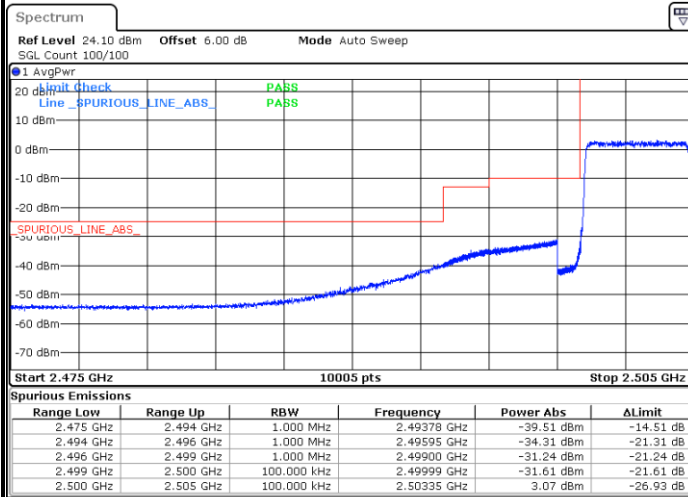
Lowest Band Edge / 1RB



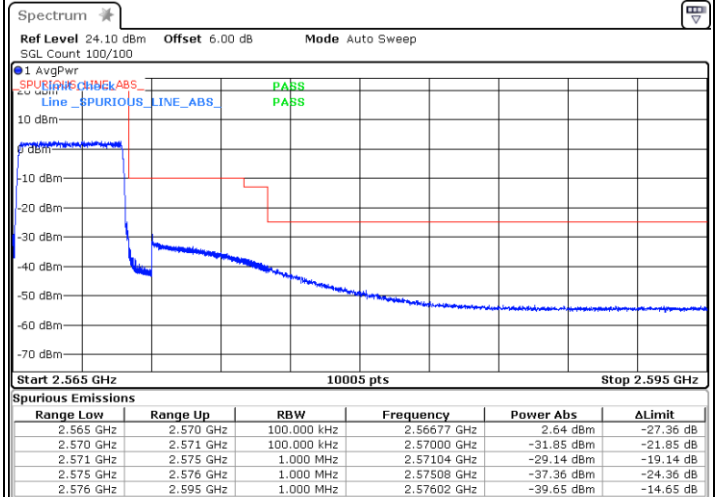
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



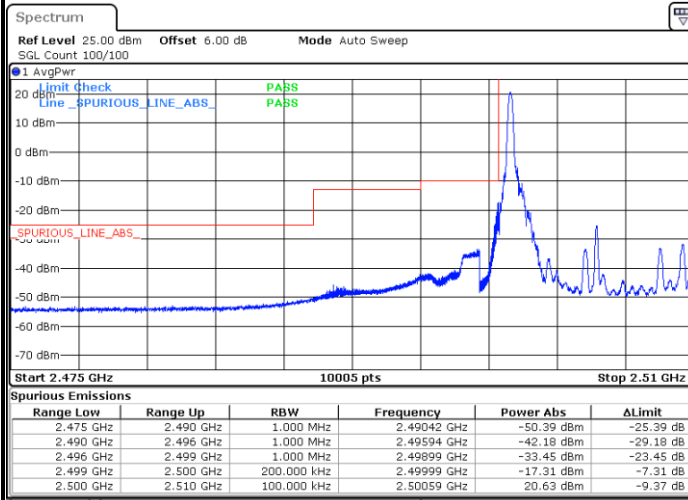
Highest Band Edge / Full RB





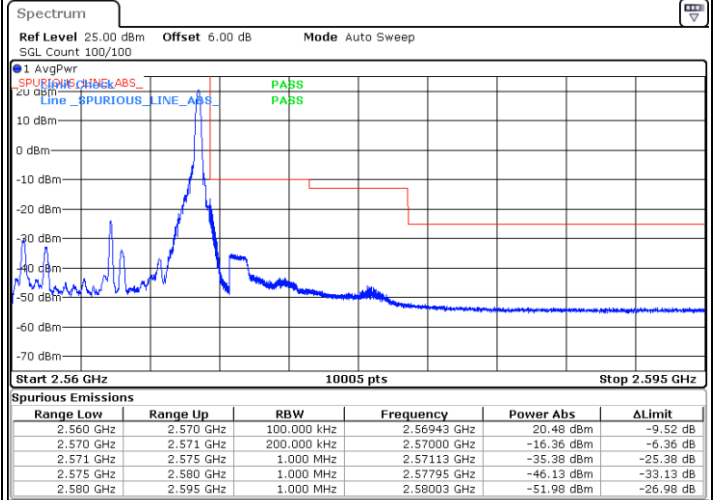
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



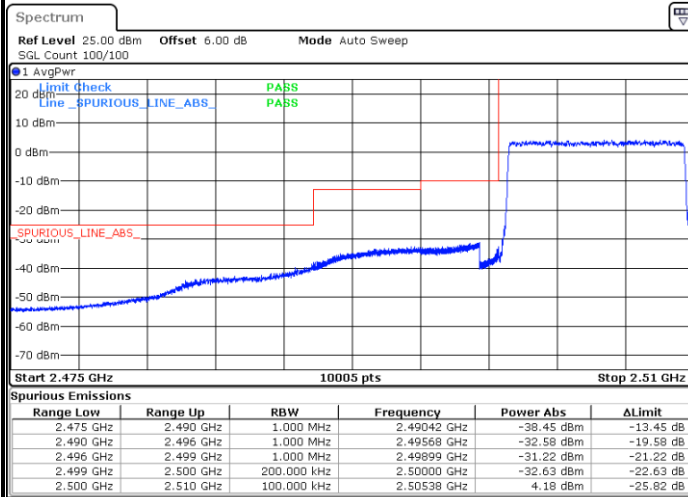
Date: 25.MAR.2022 03:05:31

Highest Band Edge / 1 RB



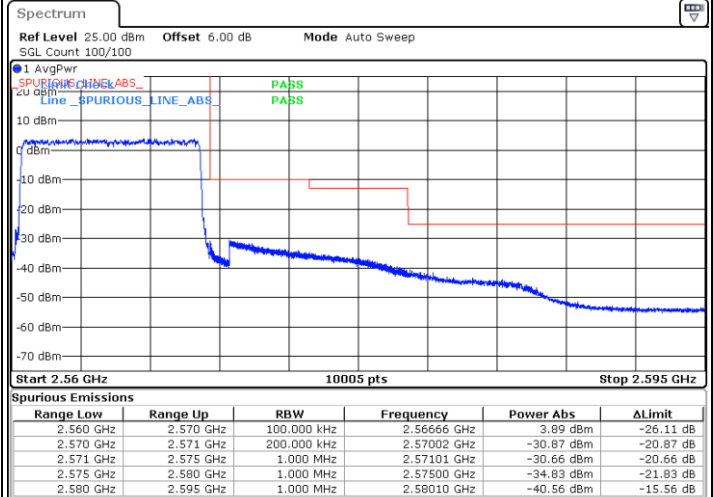
Date: 25.MAR.2022 03:13:25

Lowest Band Edge / Full RB



Date: 25.MAR.2022 03:08:16

Highest Band Edge / Full RB

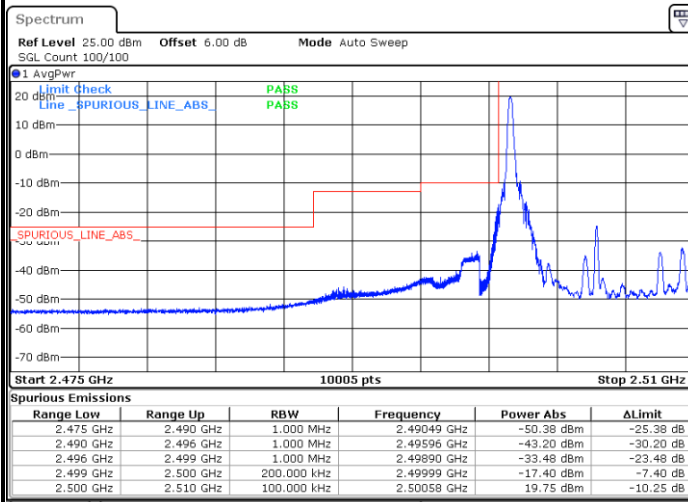


Date: 25.MAR.2022 03:16:07



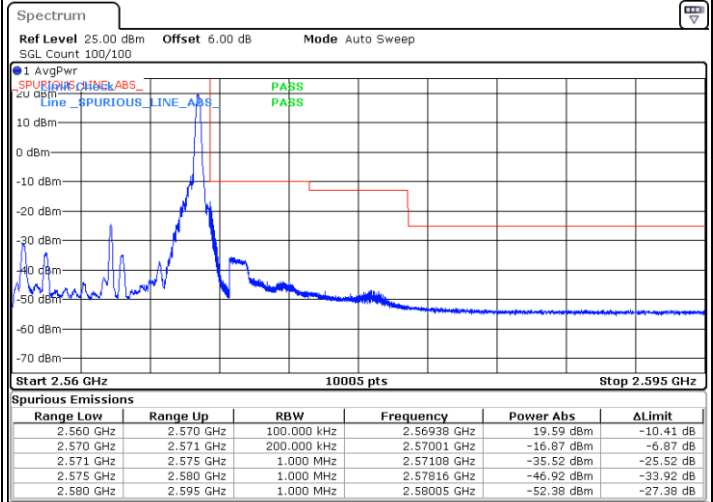
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



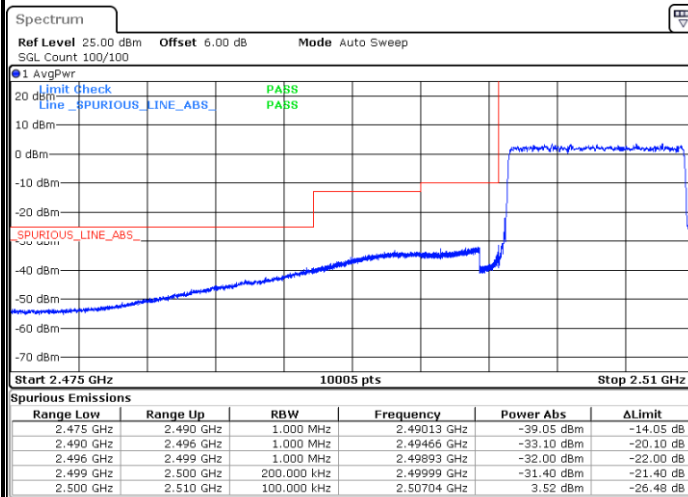
Date: 25.MAR.2022 03:05:52

Highest Band Edge / 1 RB



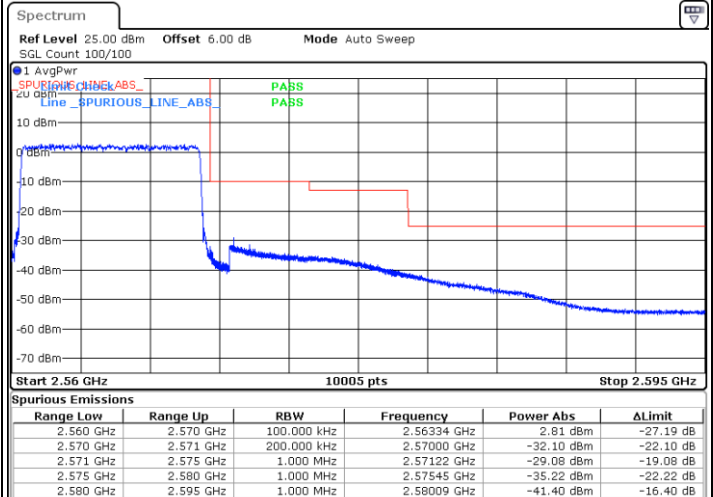
Date: 25.MAR.2022 03:13:42

Lowest Band Edge / Full RB



Date: 25.MAR.2022 03:08:01

Highest Band Edge / Full RB

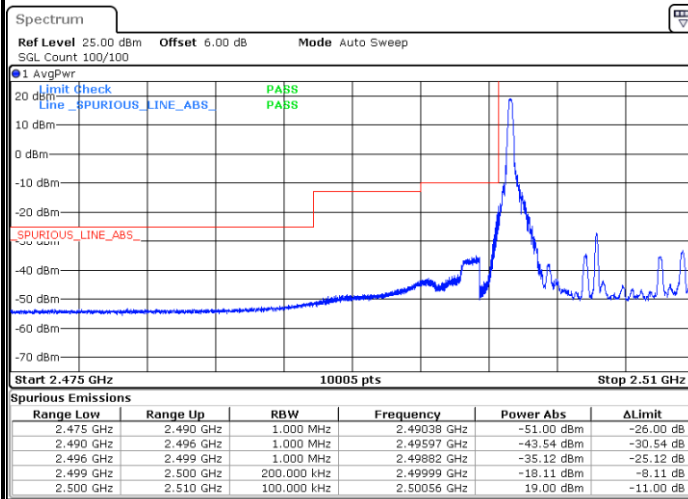


Date: 25.MAR.2022 03:15:38

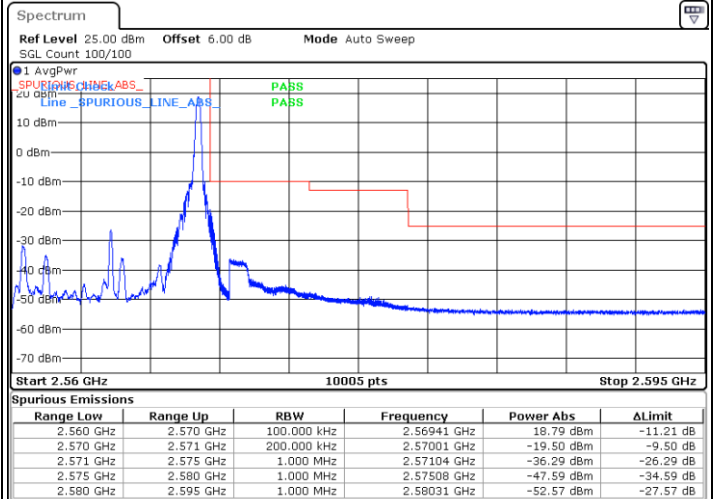


LTE Band 7 / 10MHz / 64QAM

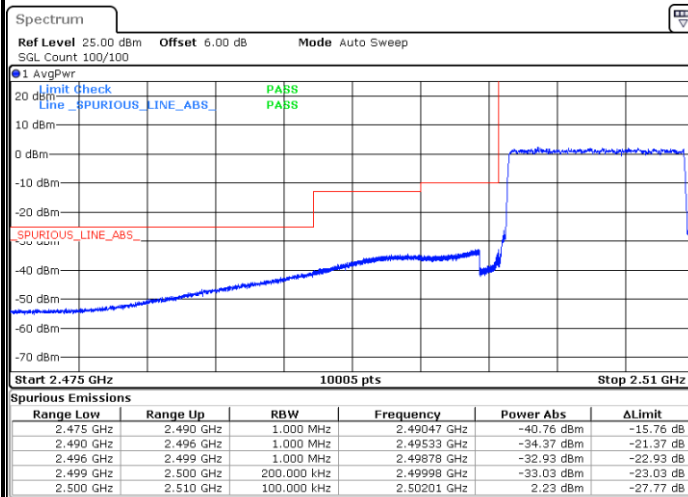
Lowest Band Edge / 1 RB



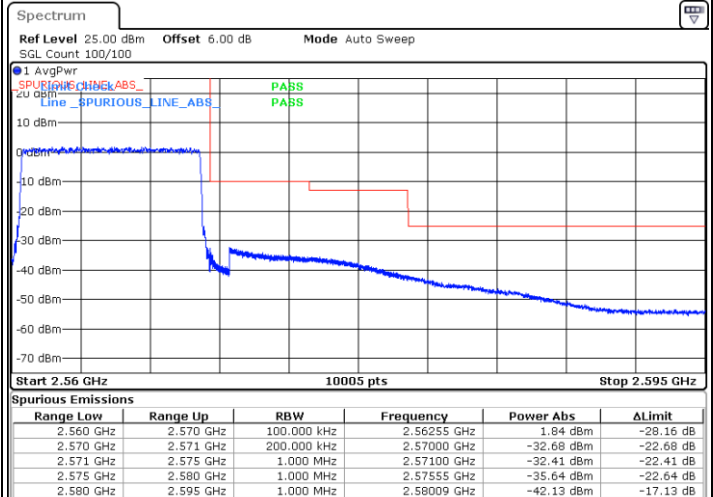
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



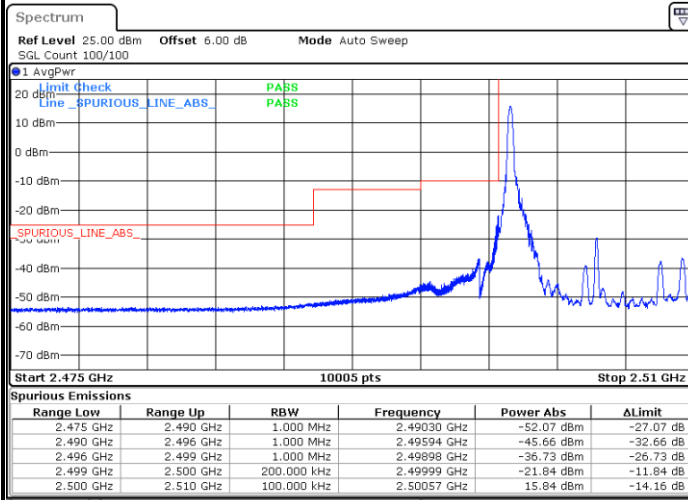
Highest Band Edge / Full RB



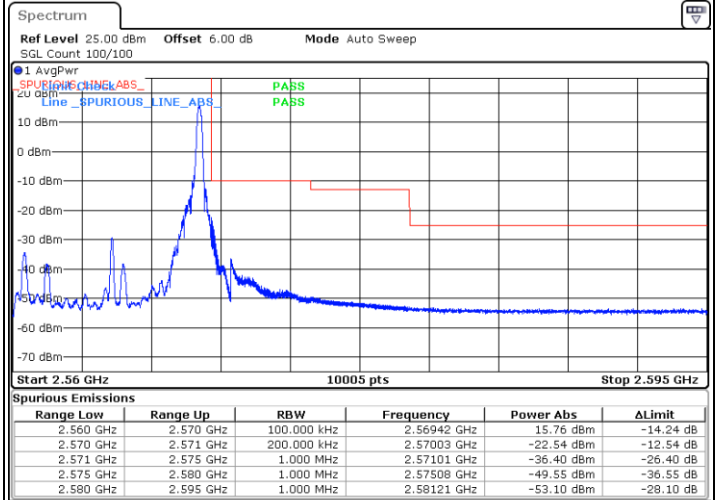


LTE Band 7 / 10MHz / 256QAM

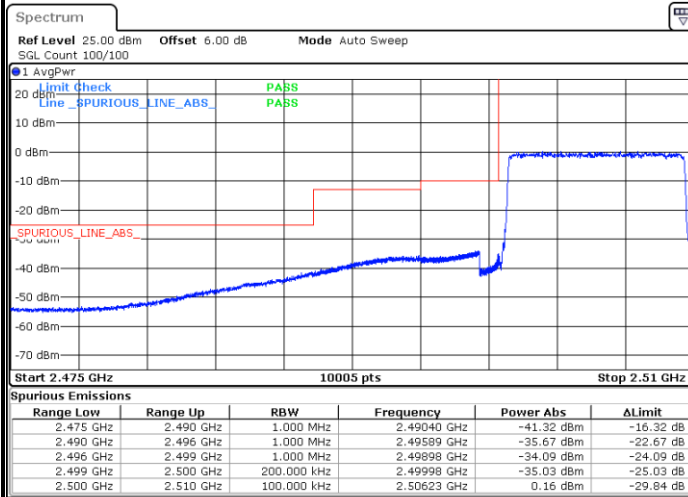
Lowest Band Edge / 1 RB



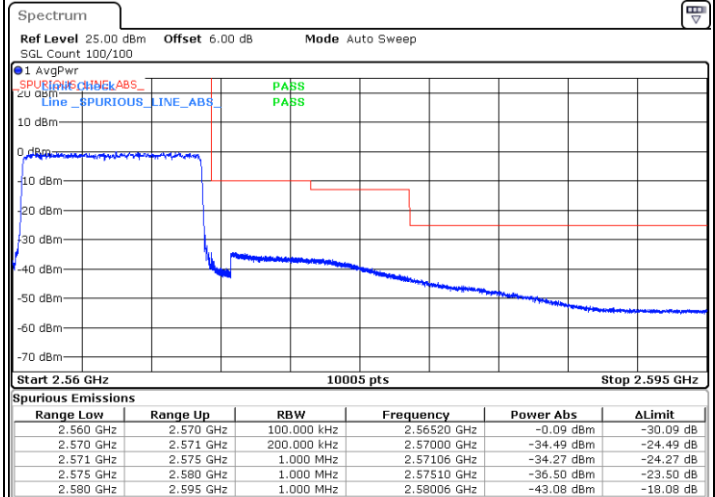
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



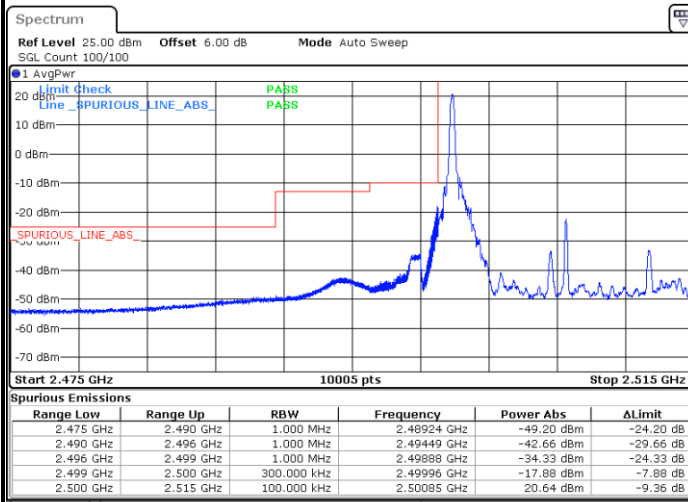
Highest Band Edge / Full RB





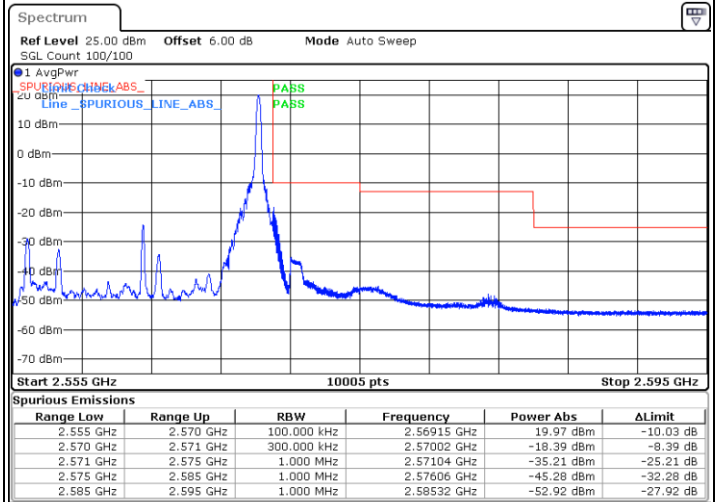
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



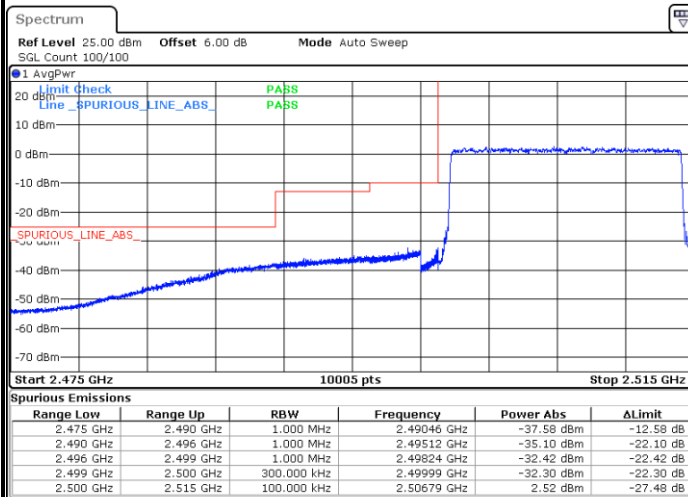
Date: 25.MAR.2022 03:55:25

Highest Band Edge / 1 RB



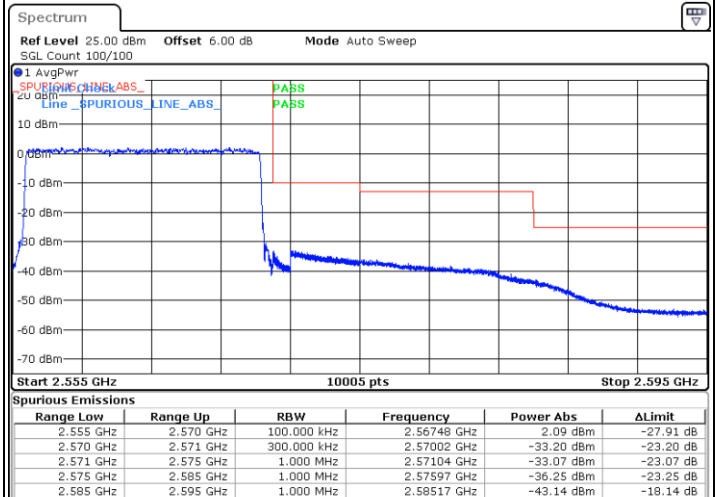
Date: 25.MAR.2022 03:33:01

Lowest Band Edge / Full RB



Date: 25.MAR.2022 03:22:19

Highest Band Edge / Full RB

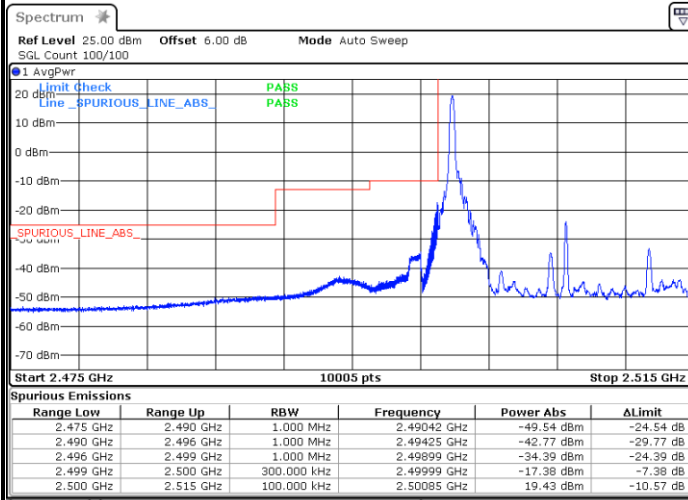


Date: 25.MAR.2022 03:36:24



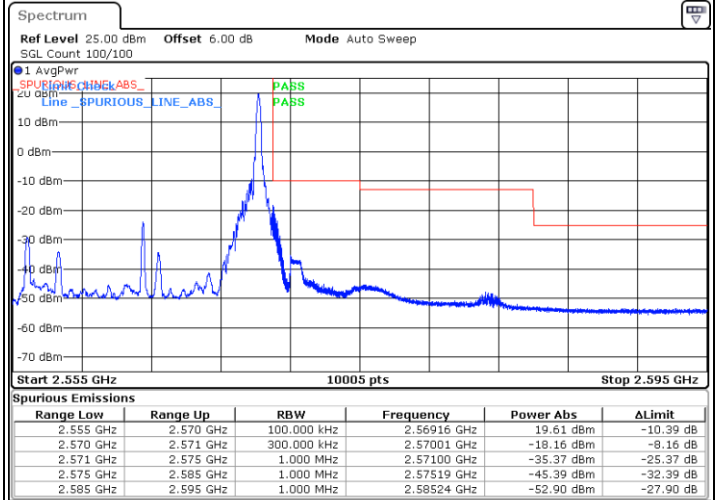
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



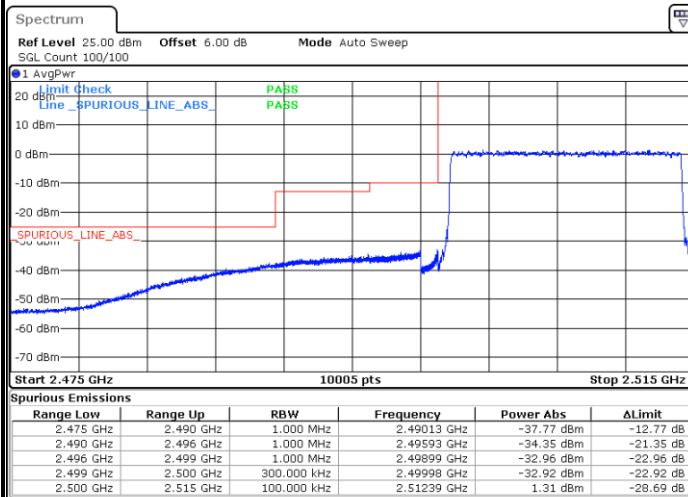
Date: 25.MAR.2022 03:20:13

Highest Band Edge / 1 RB



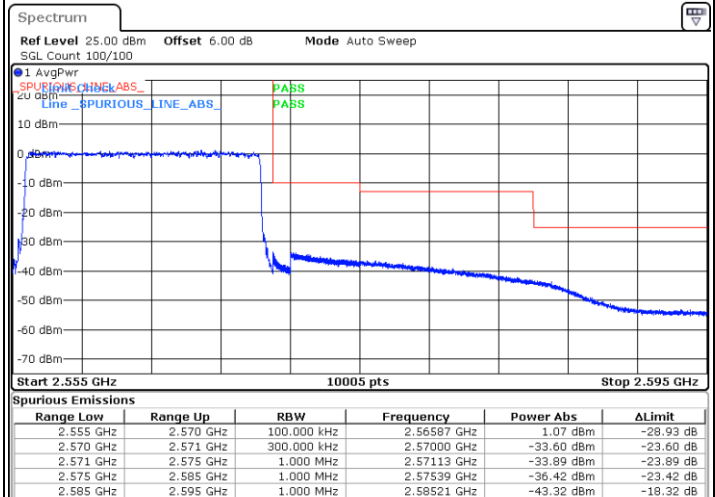
Date: 25.MAR.2022 03:33:39

Lowest Band Edge / Full RB



Date: 25.MAR.2022 03:22:04

Highest Band Edge / Full RB

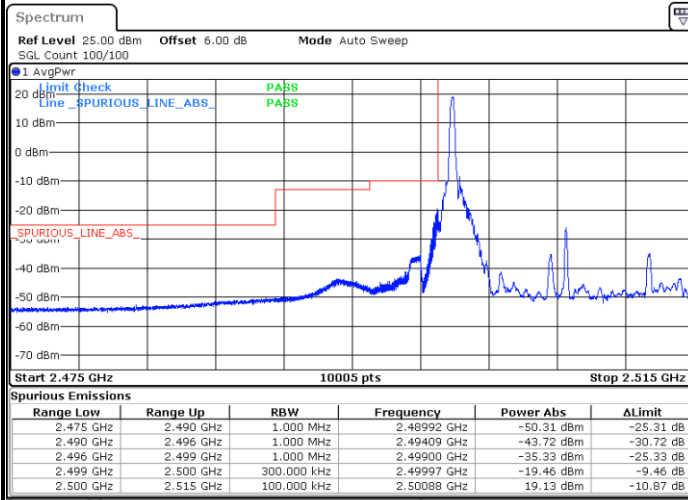


Date: 25.MAR.2022 03:36:09



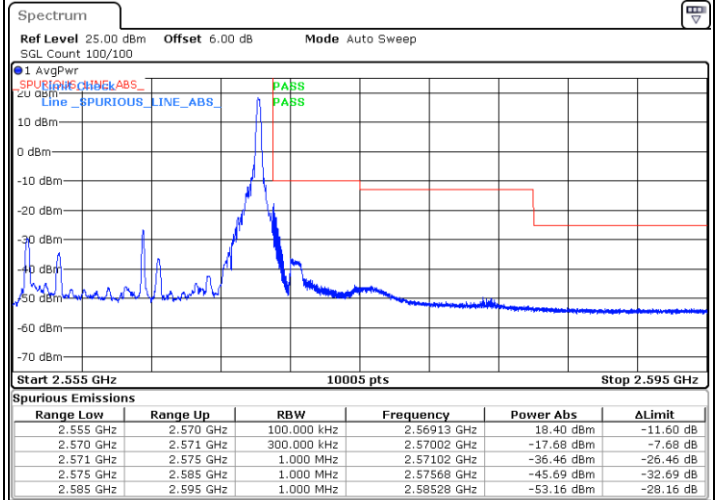
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



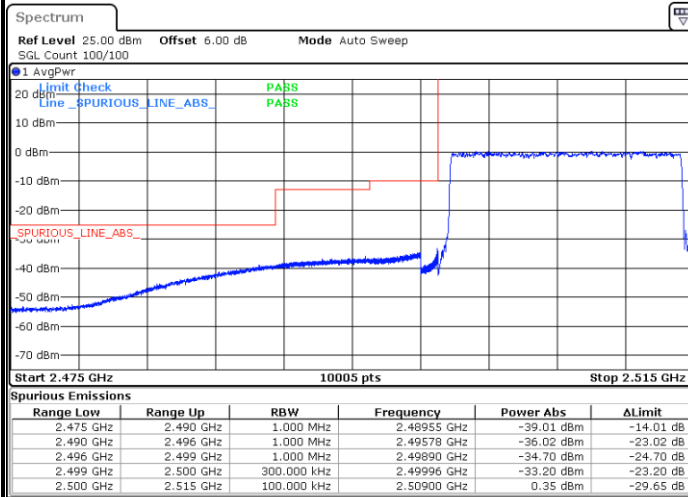
Date: 25.MAR.2022 03:20:55

Highest Band Edge / 1 RB



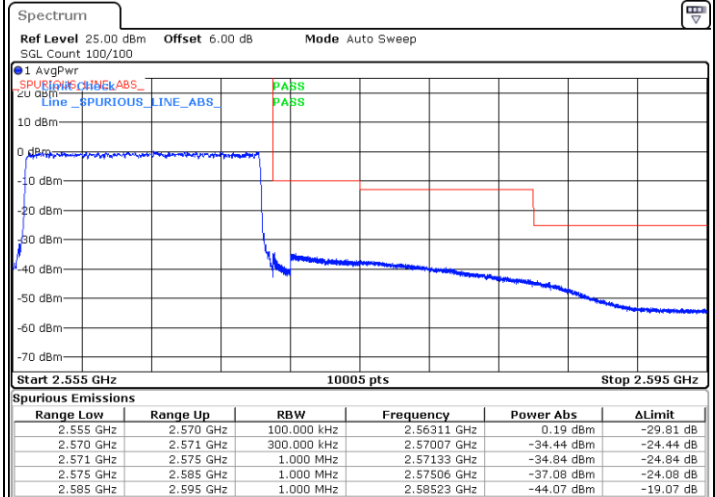
Date: 25.MAR.2022 03:34:43

Lowest Band Edge / Full RB



Date: 25.MAR.2022 03:21:46

Highest Band Edge / Full RB

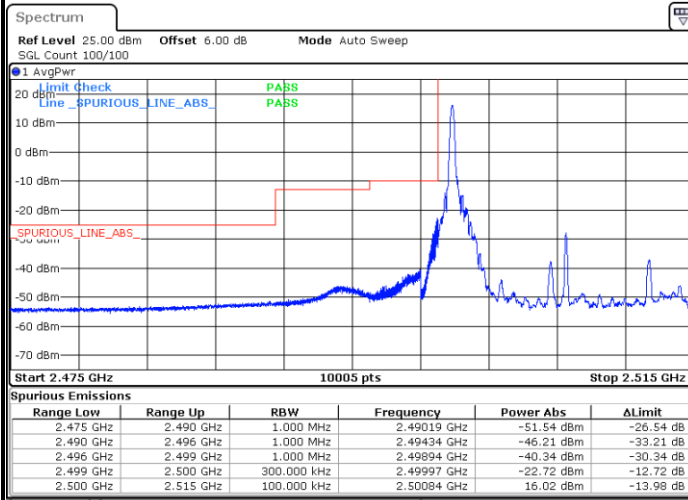


Date: 25.MAR.2022 03:35:54

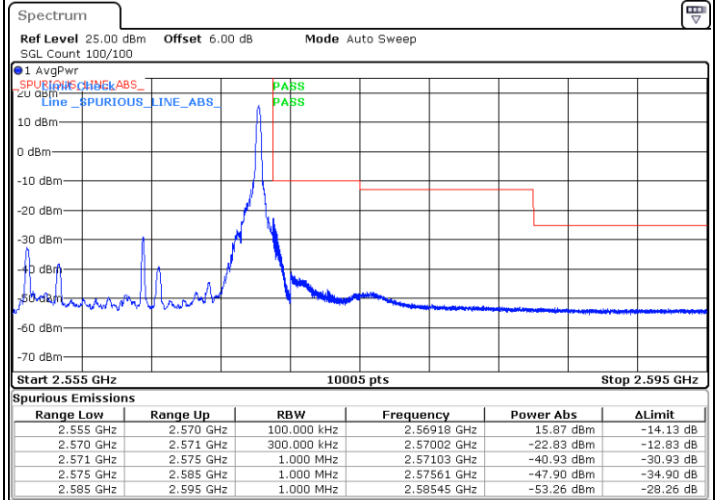


LTE Band 7 / 15MHz /256QAM

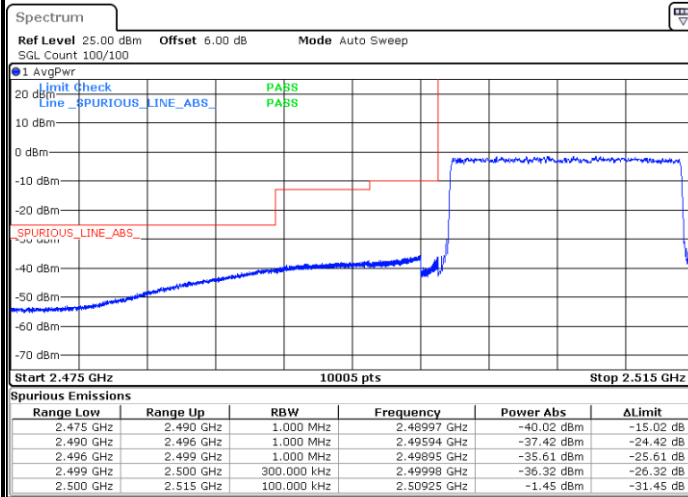
Lowest Band Edge / 1 RB



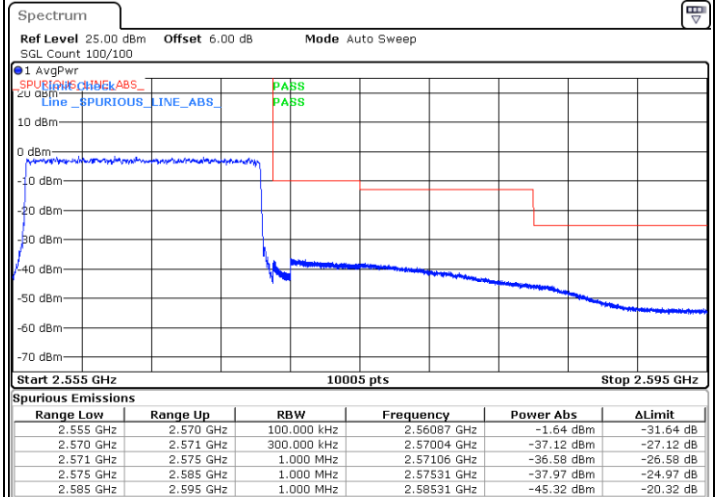
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



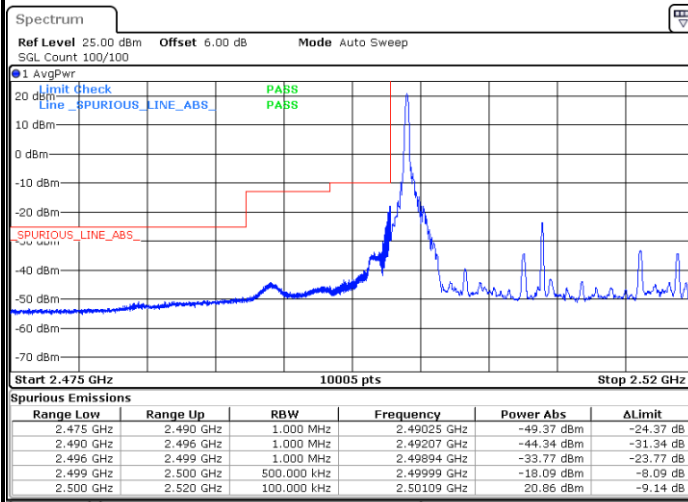
Highest Band Edge / Full RB



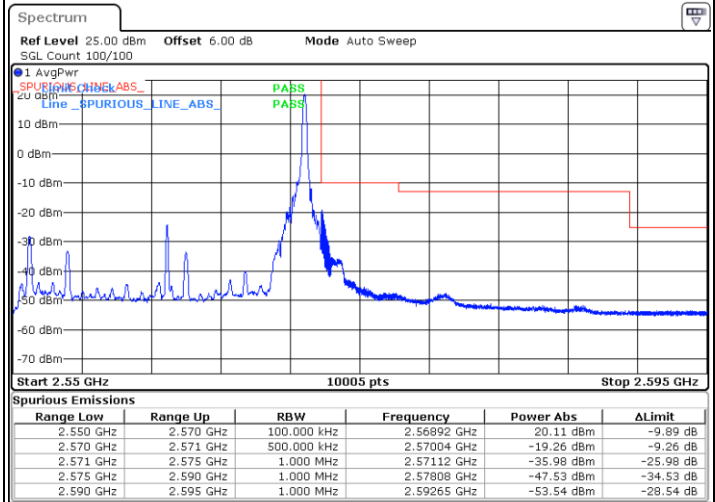


LTE Band 7 / 20MHz / QPSK

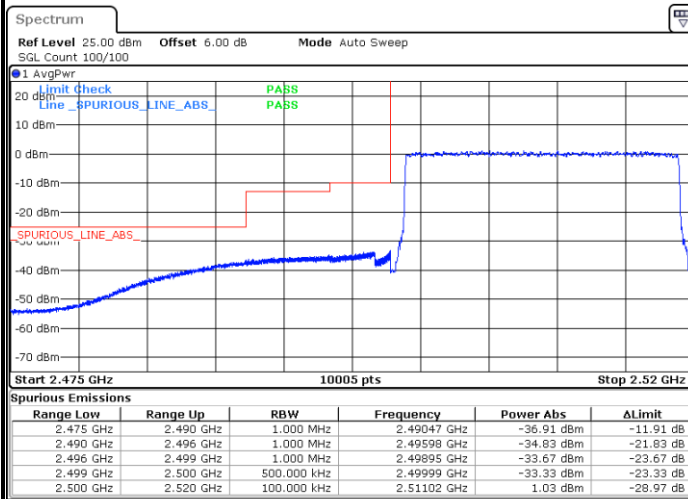
Lowest Band Edge / 1 RB



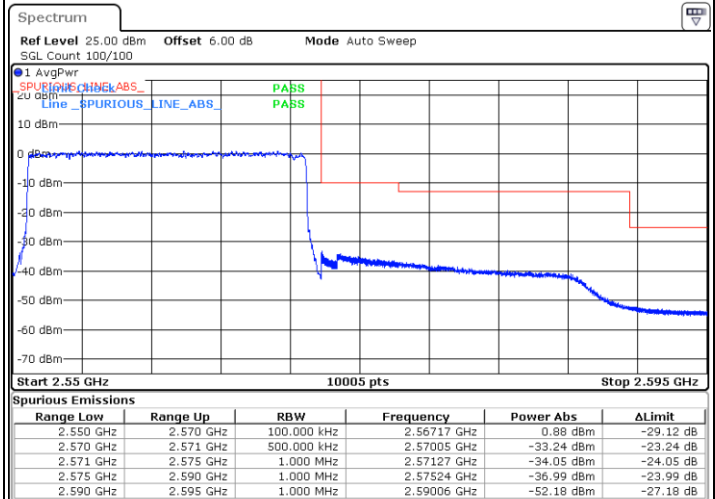
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



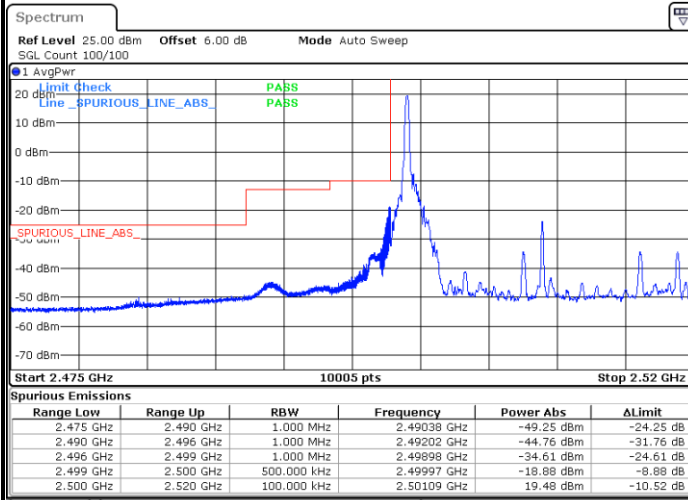
Highest Band Edge / Full RB



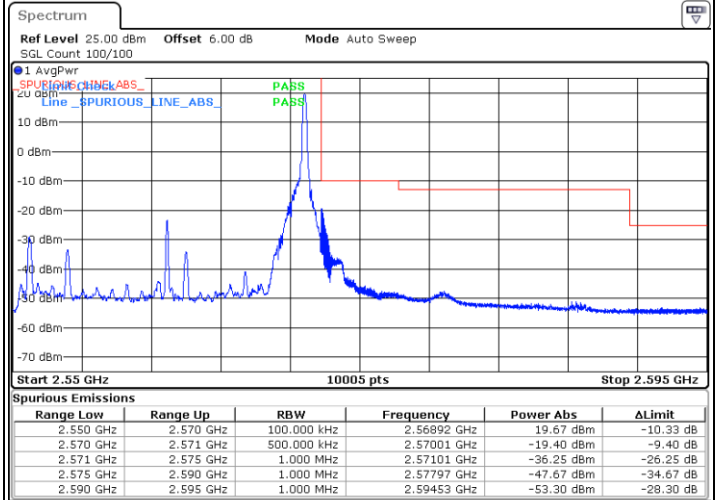


LTE Band 7 / 20MHz / 16QAM

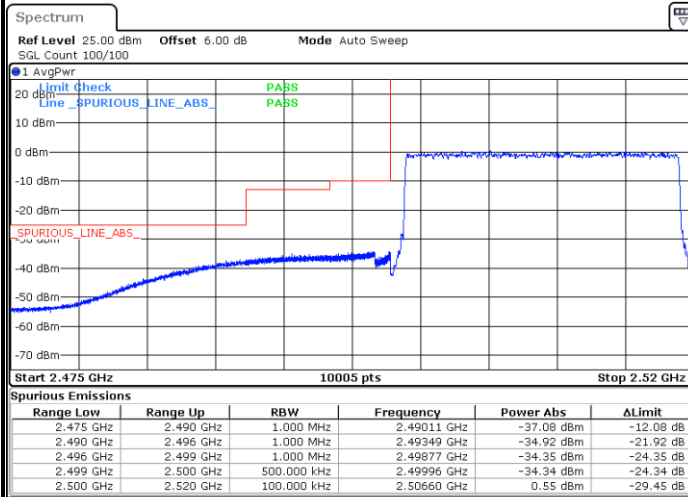
Lowest Band Edge / 1 RB



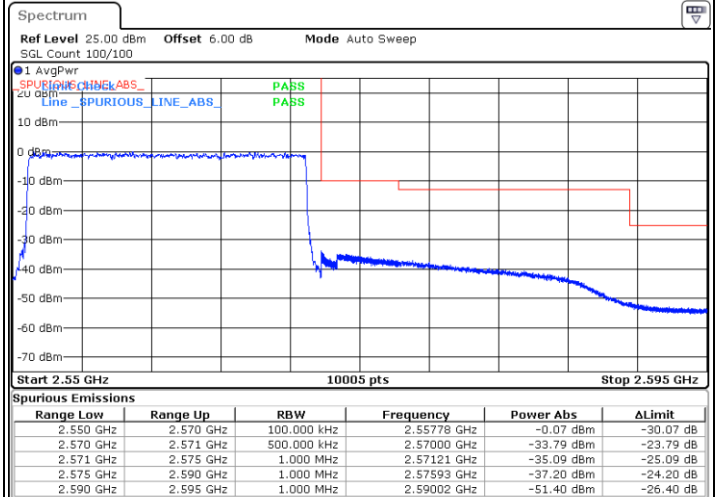
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



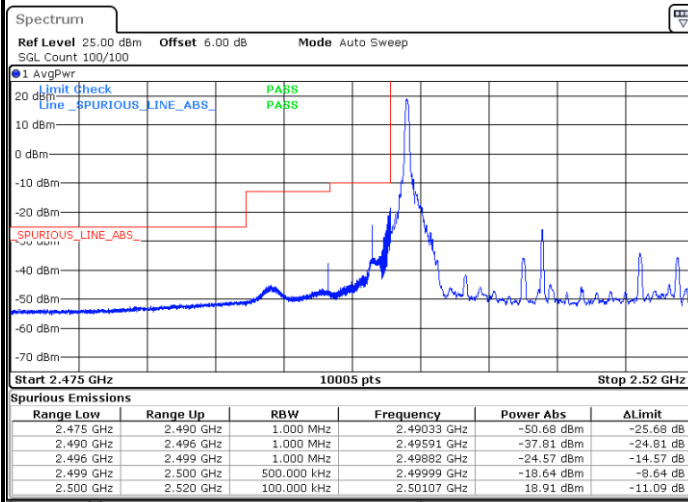
Highest Band Edge / Full RB



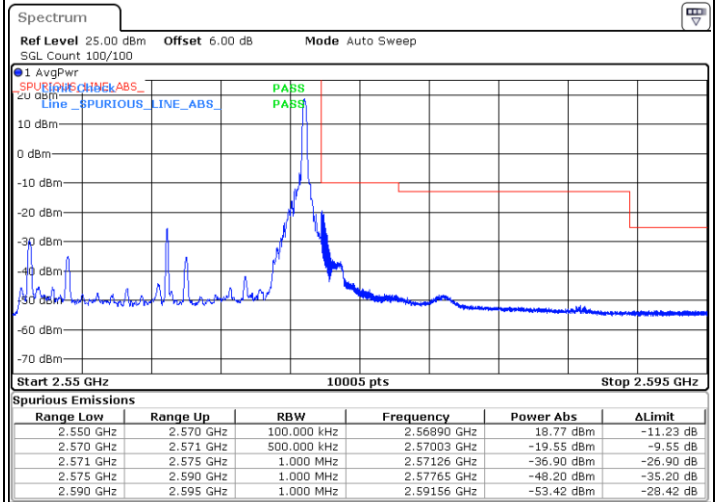


LTE Band 7 / 20MHz / 64QAM

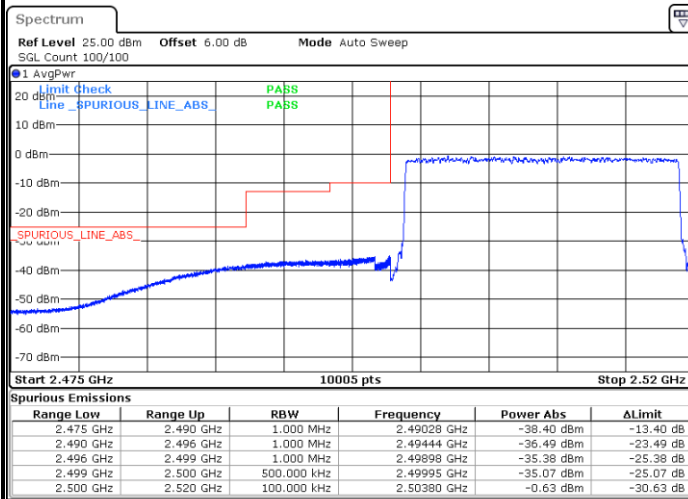
Lowest Band Edge / 1 RB



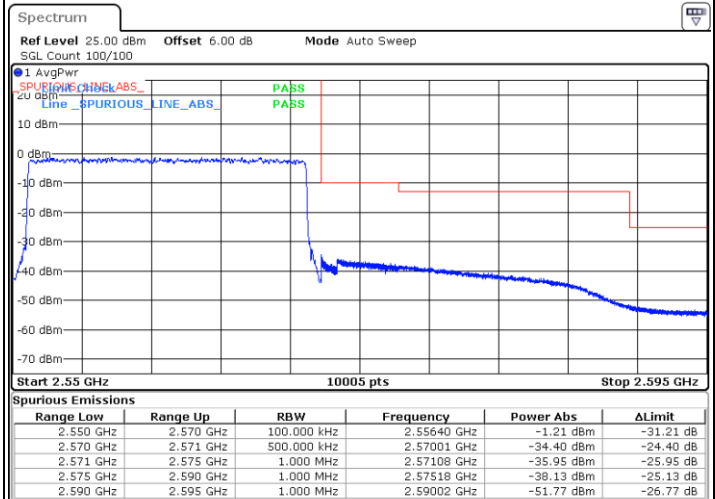
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



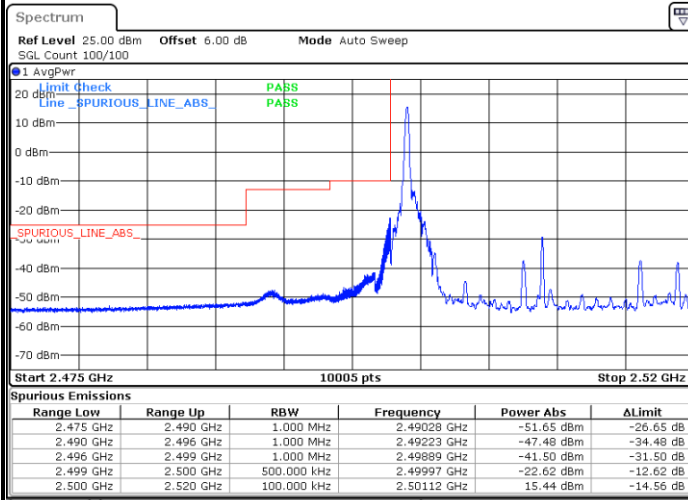
Highest Band Edge / Full RB



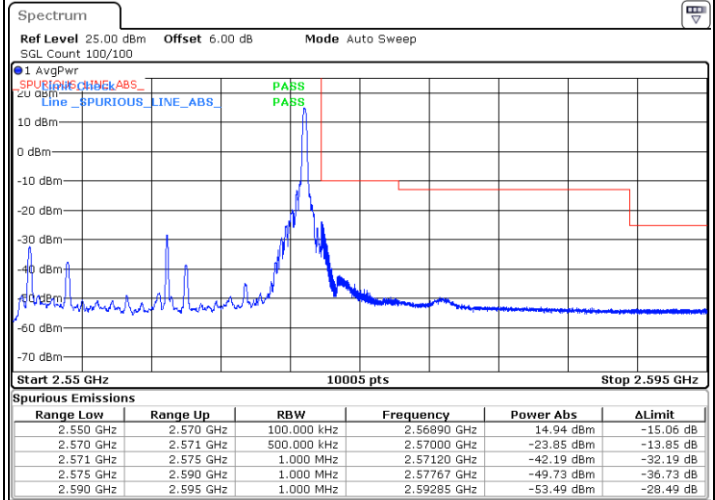


LTE Band 7 / 20MHz / 256QAM

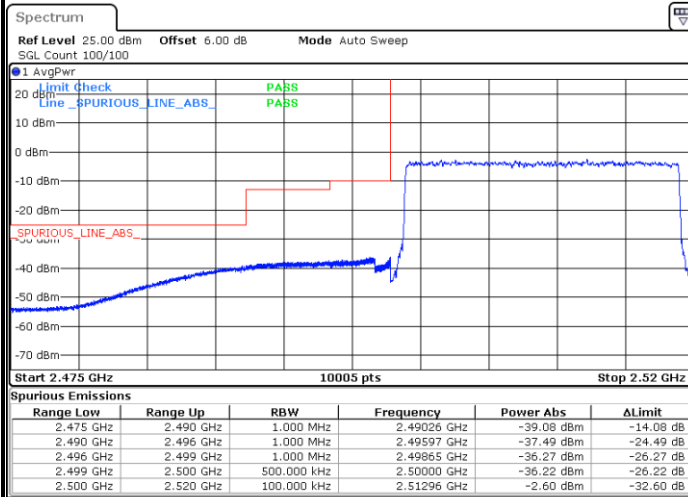
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

