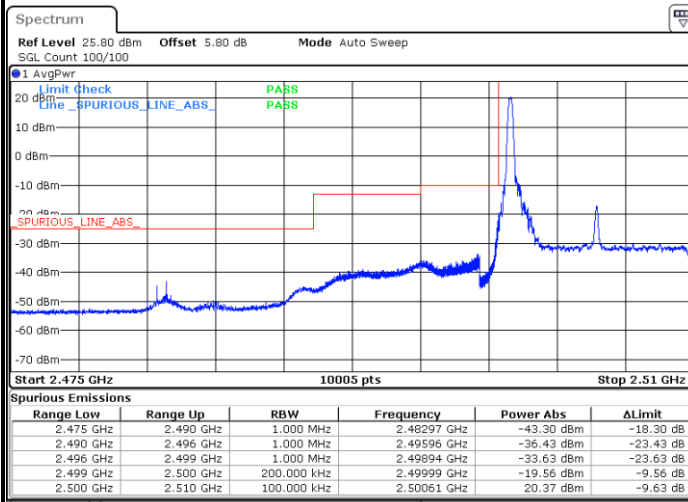




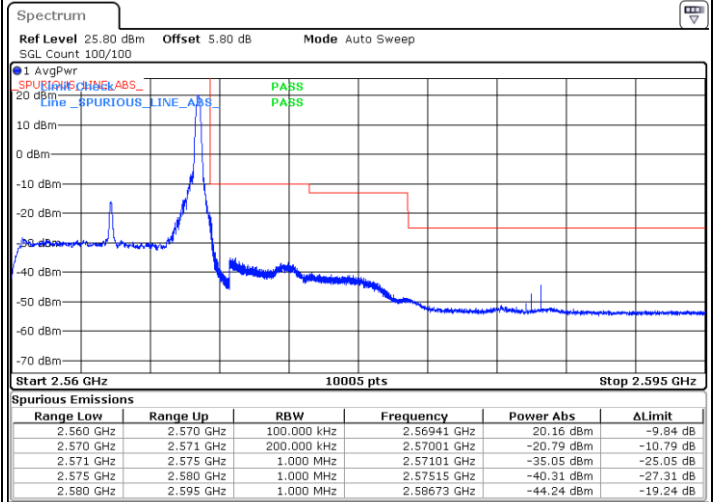
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



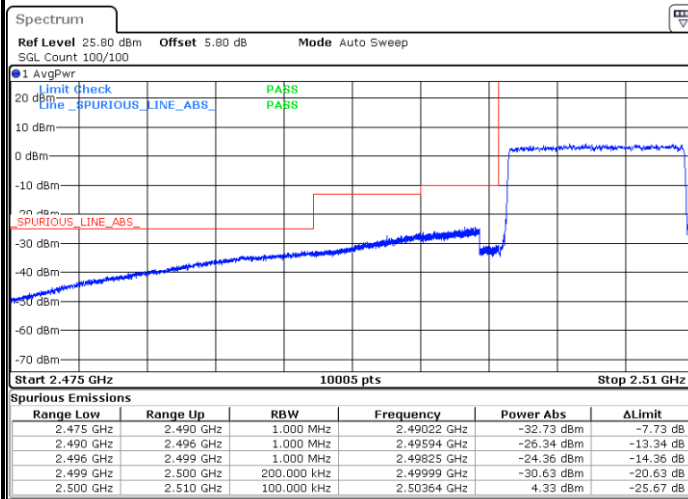
Date: 30.NOV.2021 09:01:37

Highest Band Edge / 1 RB



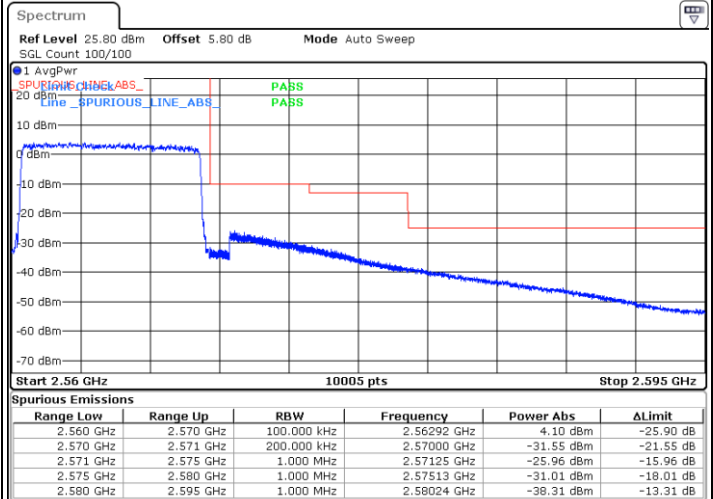
Date: 30.NOV.2021 09:13:41

Lowest Band Edge / Full RB



Date: 30.NOV.2021 09:05:46

Highest Band Edge / Full RB

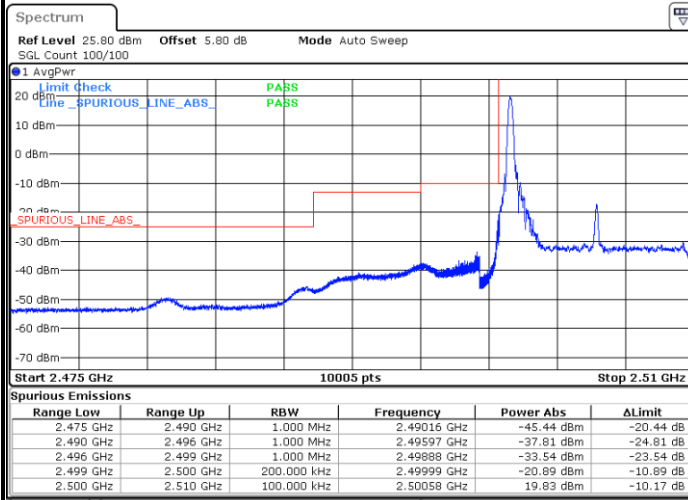


Date: 30.NOV.2021 09:17:54

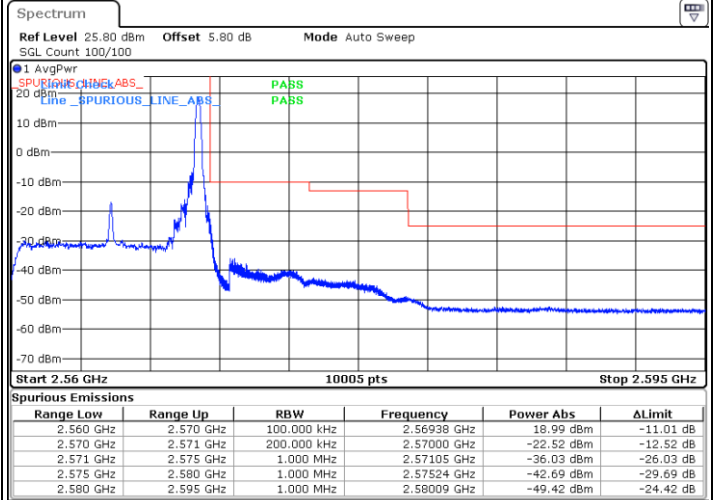


LTE Band 7 / 10MHz / 64QAM

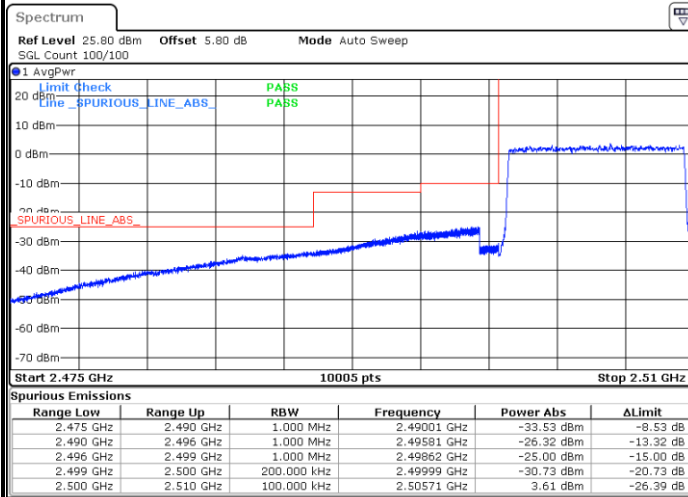
Lowest Band Edge / 1 RB



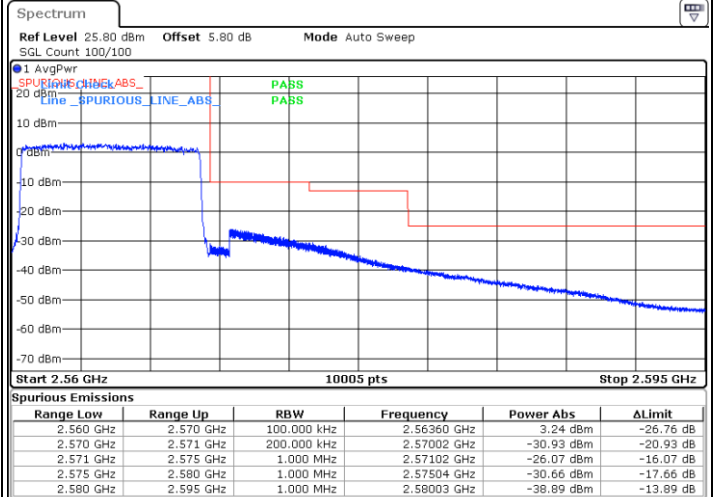
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



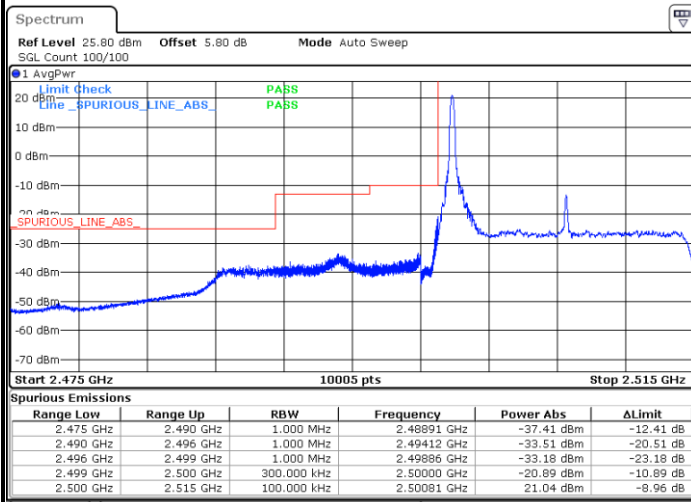
Highest Band Edge / Full RB





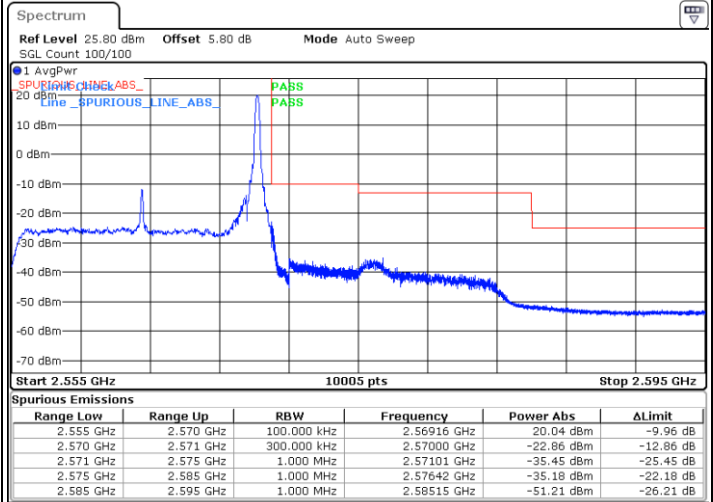
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



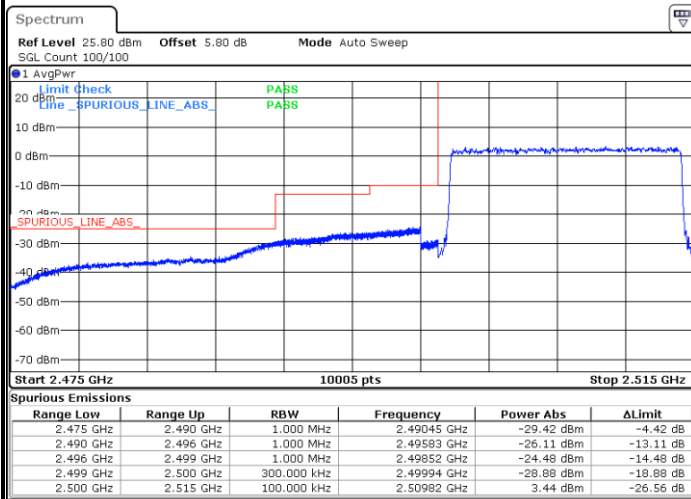
Date: 30.NOV.2021 09:22:24

Highest Band Edge / 1 RB



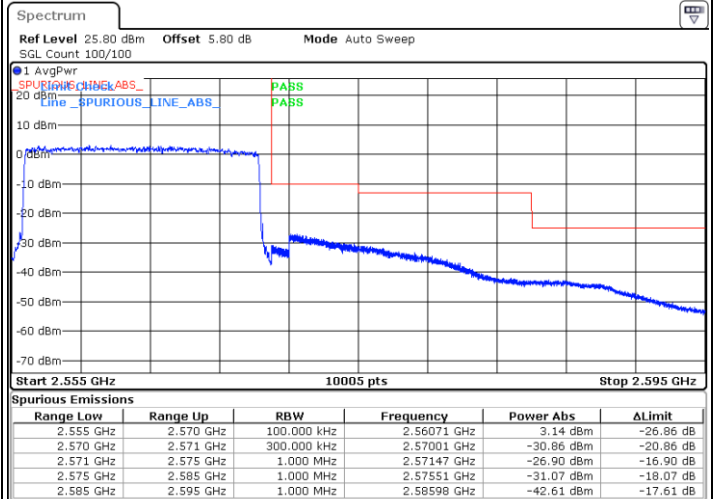
Date: 30.NOV.2021 09:34:29

Lowest Band Edge / Full RB



Date: 30.NOV.2021 09:29:21

Highest Band Edge / Full RB

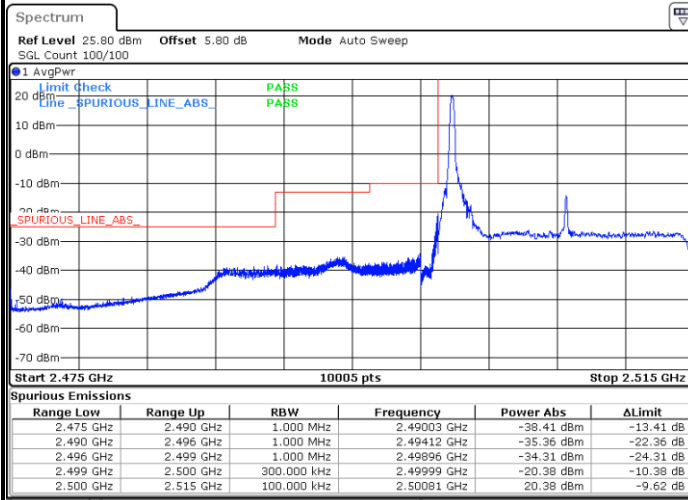


Date: 30.NOV.2021 09:41:25

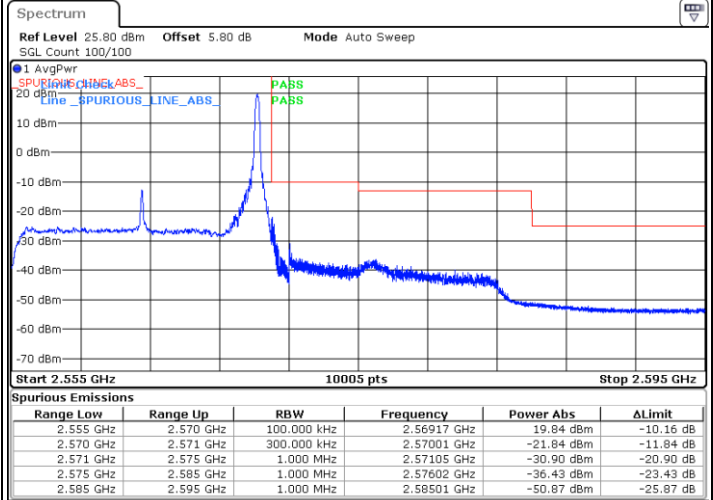


LTE Band 7 / 15MHz / 16QAM

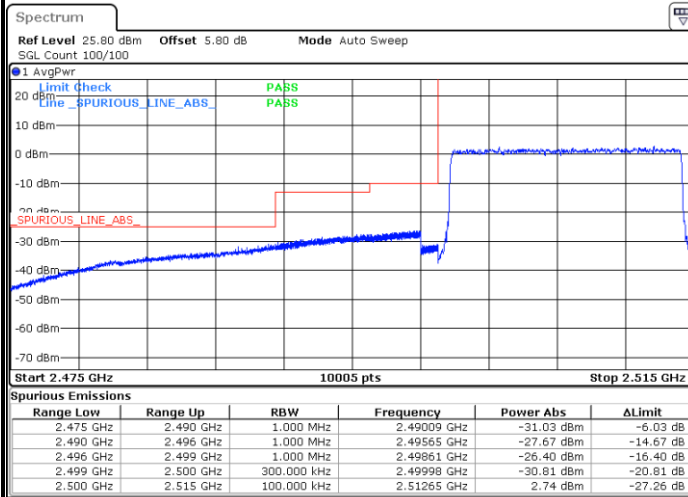
Lowest Band Edge / 1 RB



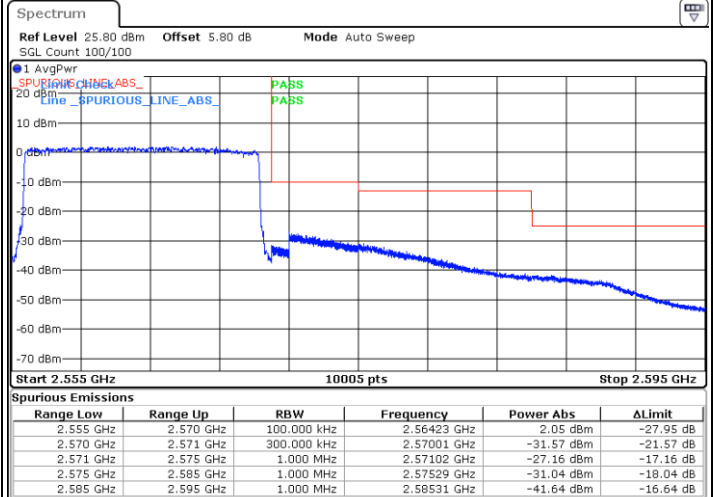
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



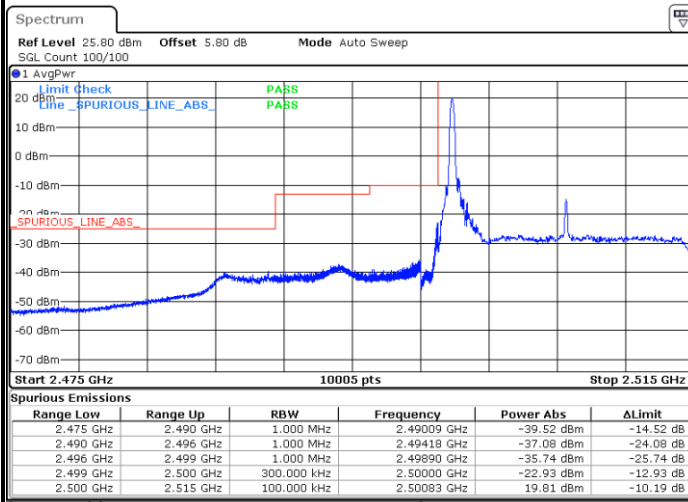
Highest Band Edge / Full RB



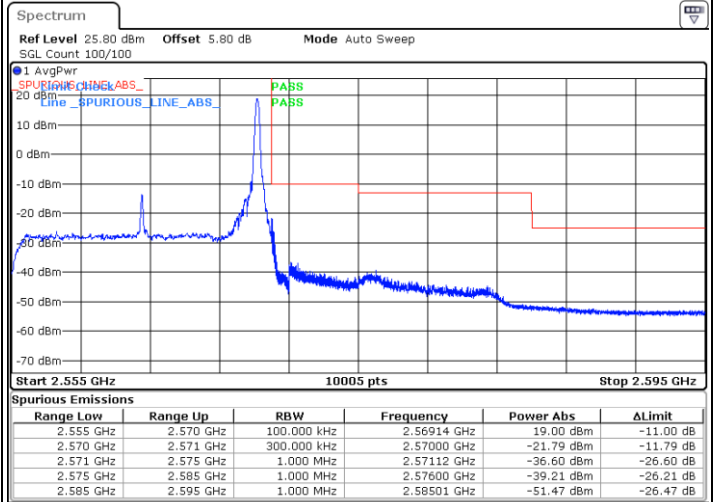


LTE Band 7 / 15MHz / 64QAM

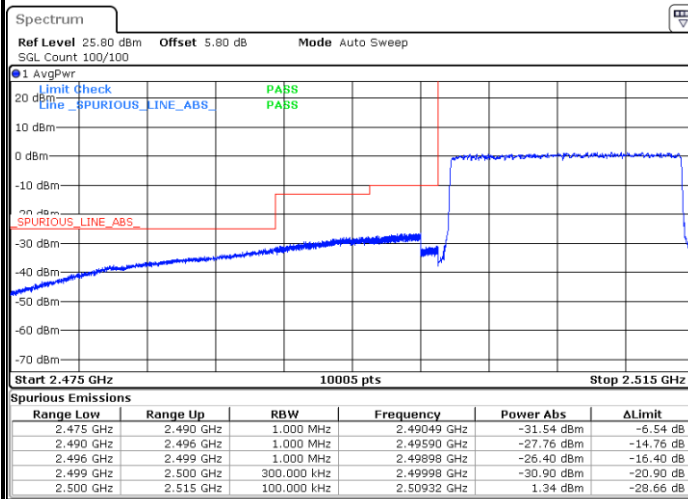
Lowest Band Edge / 1 RB



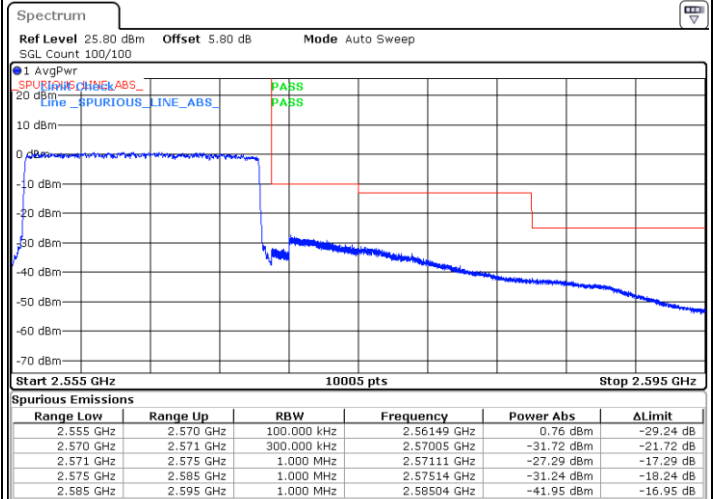
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



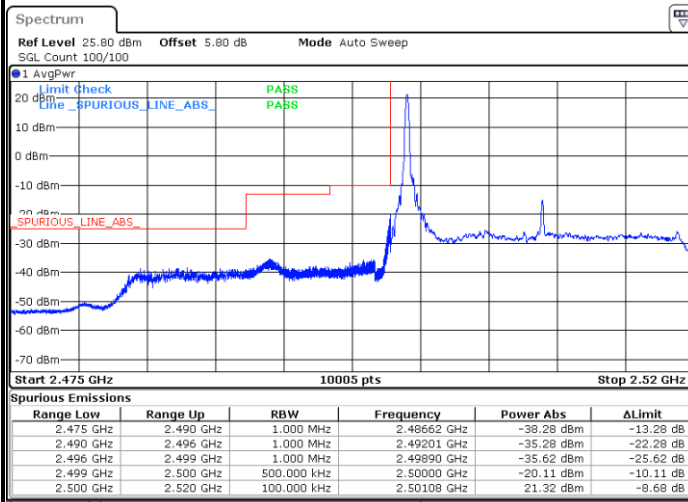
Highest Band Edge / Full RB



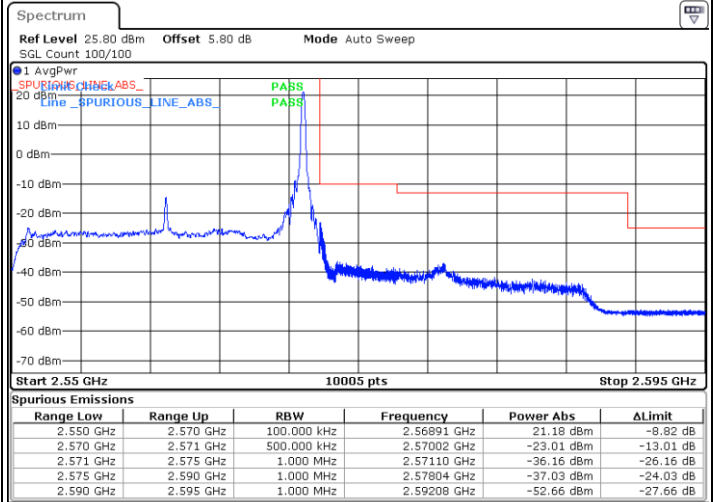


LTE Band 7 / 20MHz / QPSK

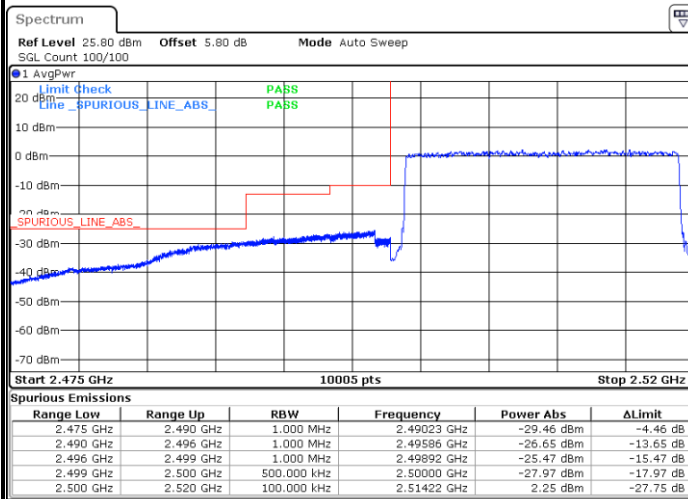
Lowest Band Edge / 1 RB



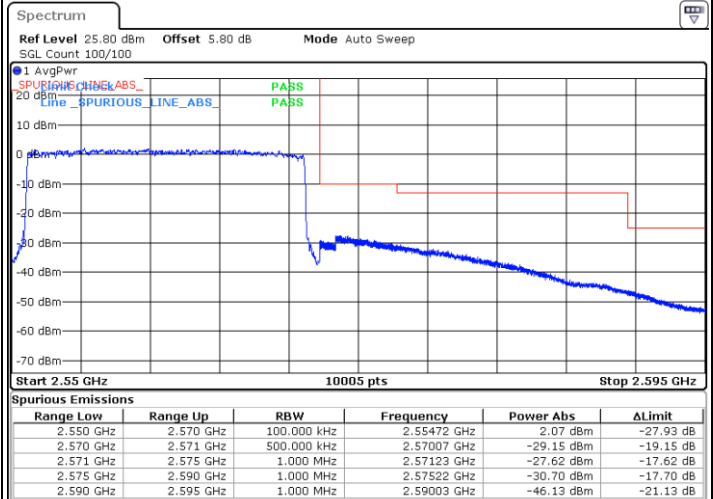
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



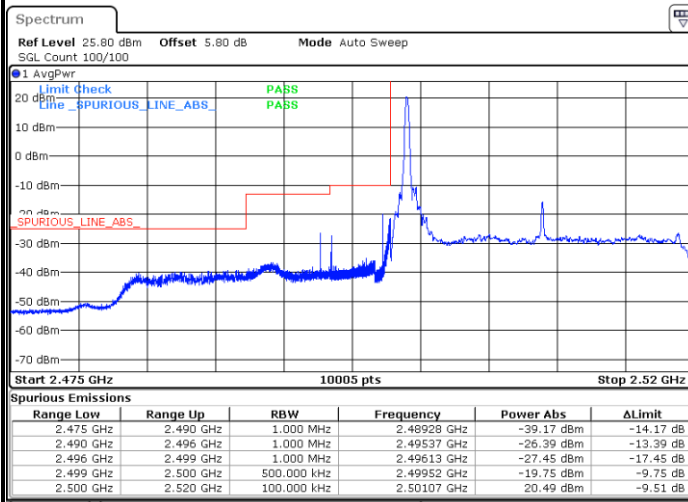
Highest Band Edge / Full RB



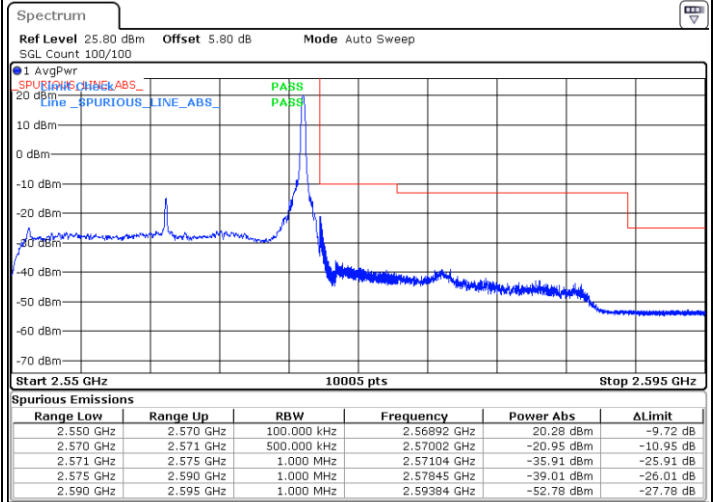


LTE Band 7 / 20MHz / 16QAM

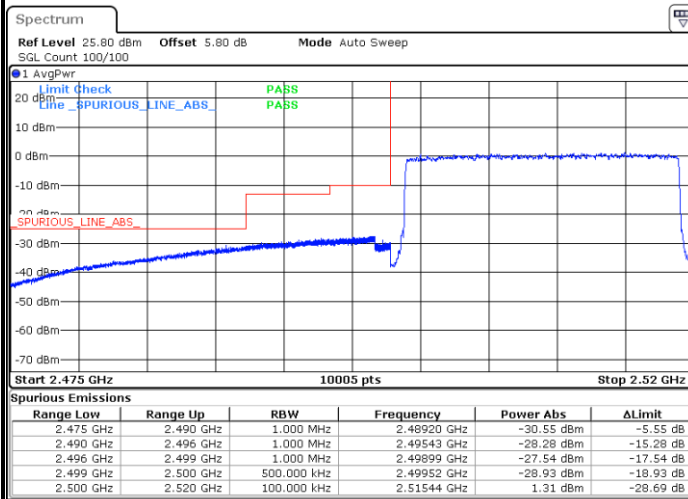
Lowest Band Edge / 1 RB



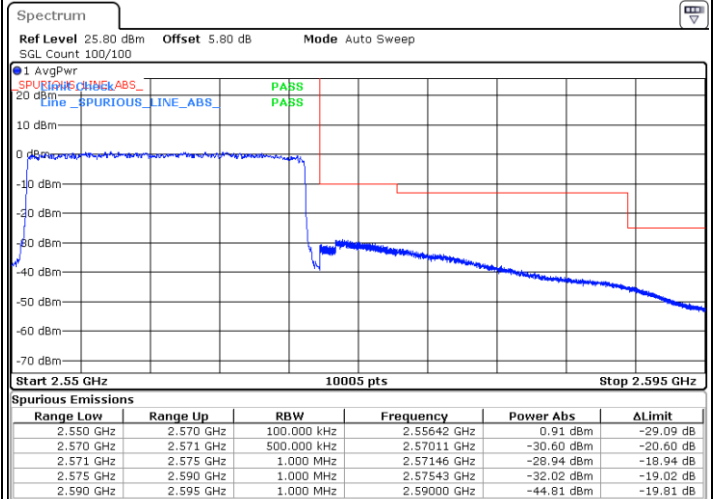
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



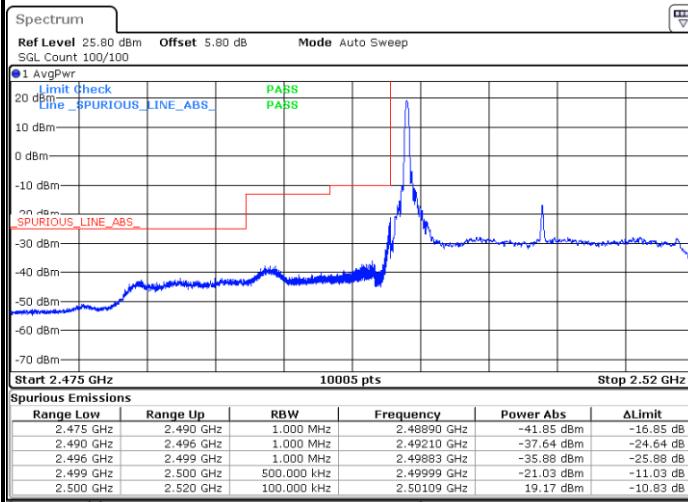
Highest Band Edge / Full RB



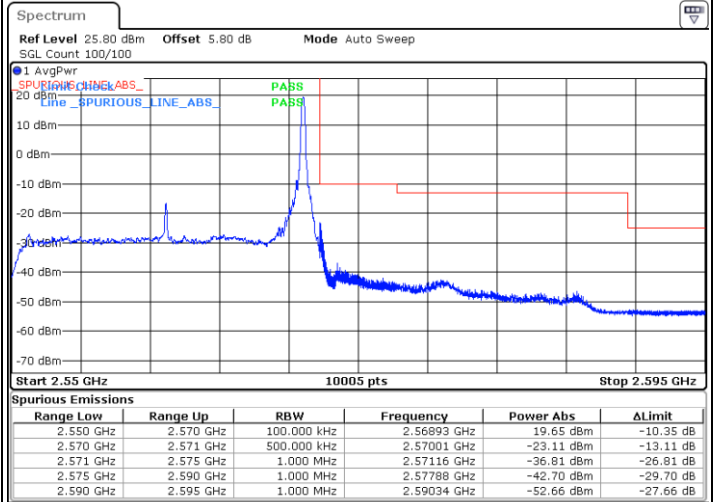


LTE Band 7 / 20MHz / 64QAM

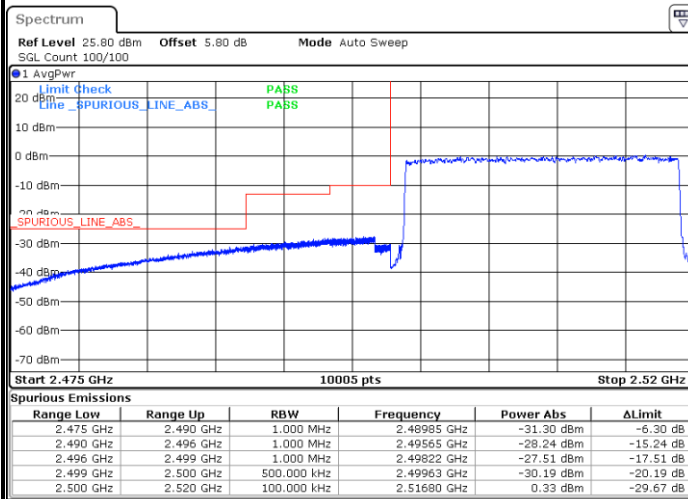
Lowest Band Edge / 1 RB



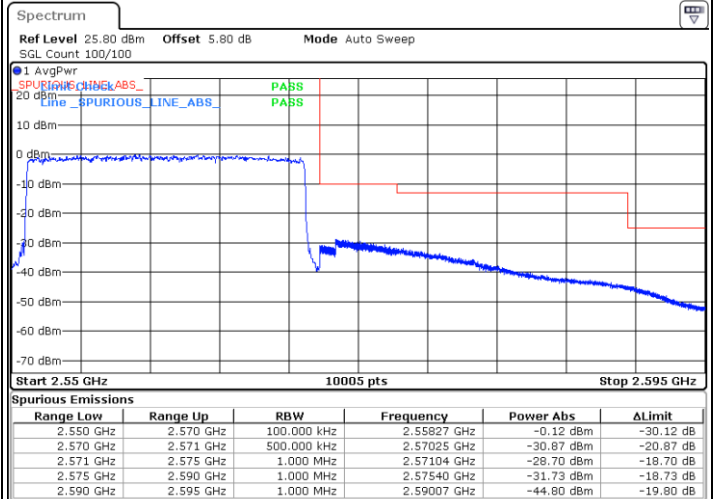
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

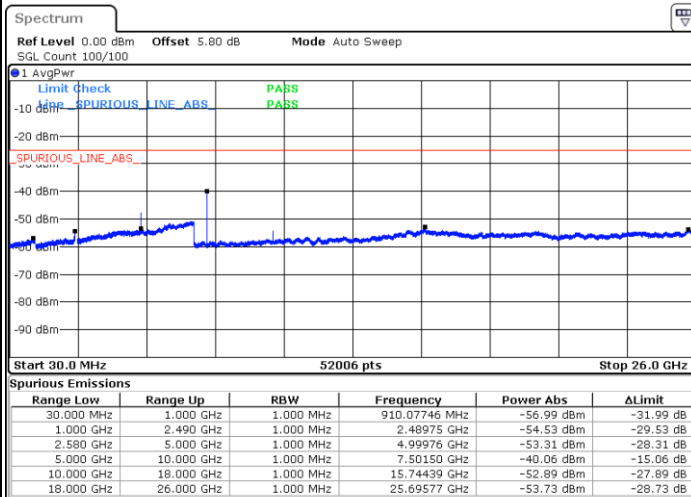




Conducted Spurious Emission

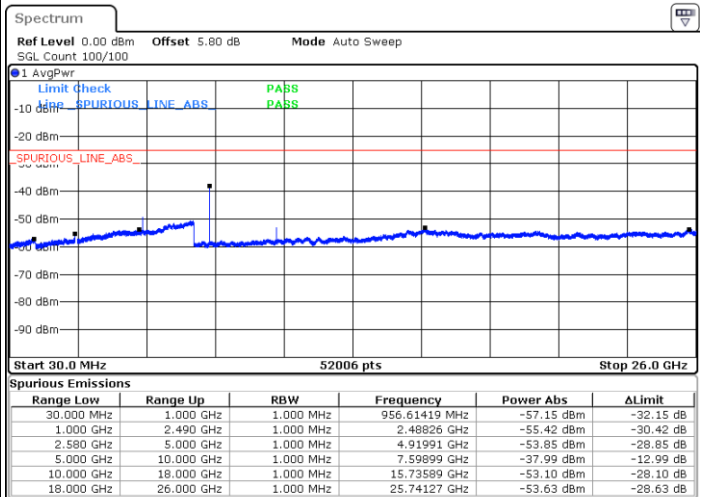
LTE Band 7 / 5MHz

Lowest Channel / QPSK



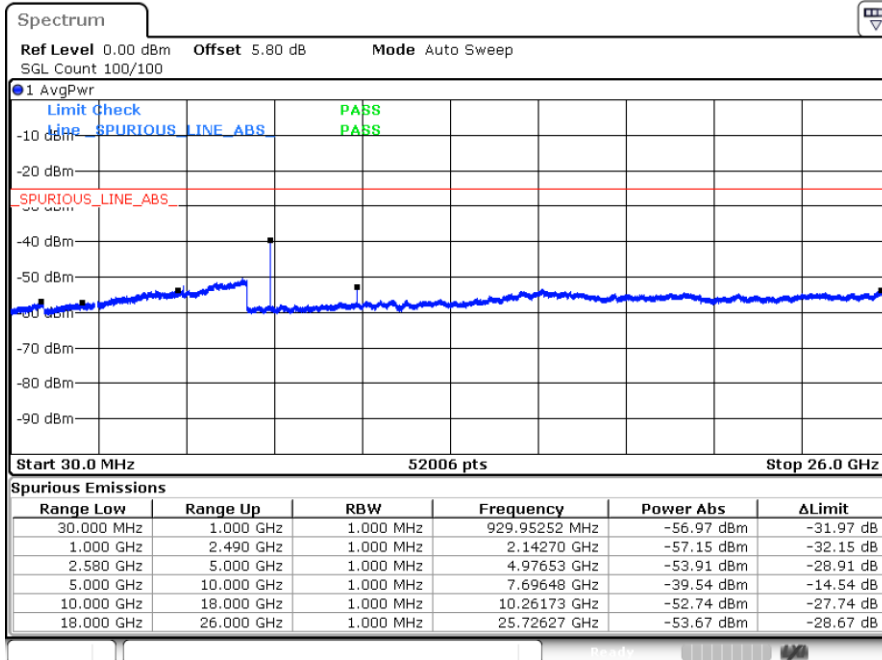
Date: 30.NOV.2021 08:36:50

Middle Channel / QPSK



Date: 30.NOV.2021 08:46:53

Highest Channel / QPSK

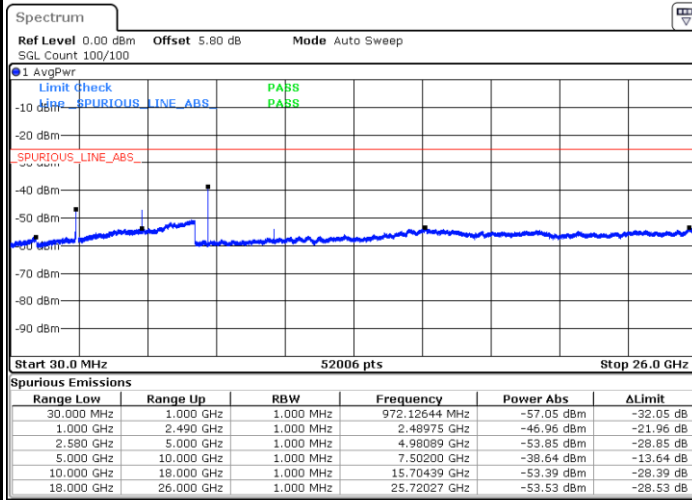


Date: 30.NOV.2021 08:48:46



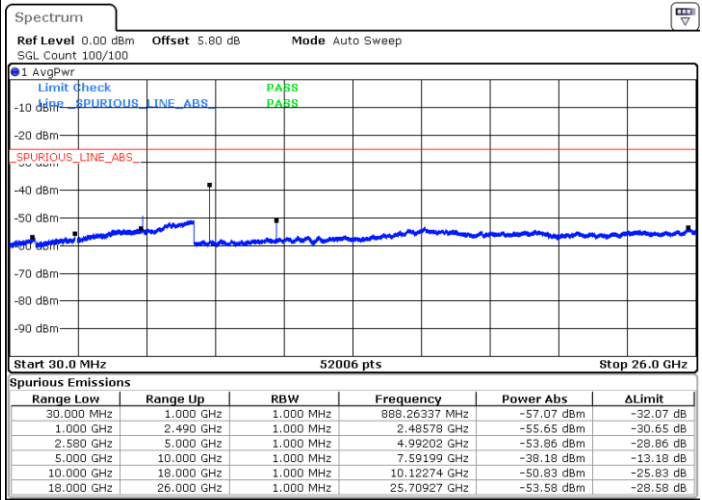
LTE Band 7 / 10MHz

Lowest Channel / QPSK



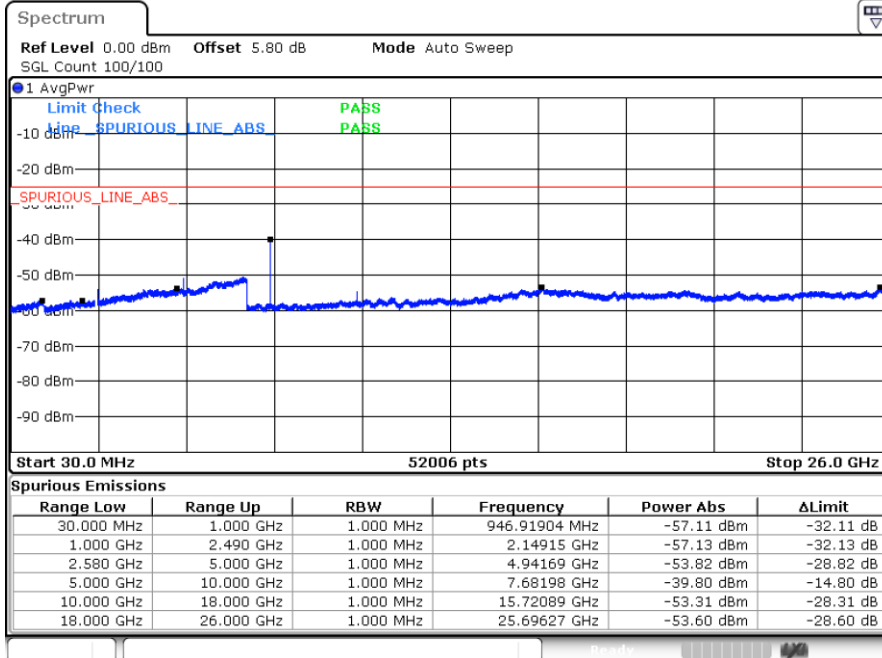
Date: 30.NOV.2021 08:58:58

Middle Channel / QPSK



Date: 30.NOV.2021 09:09:02

Highest Channel / QPSK

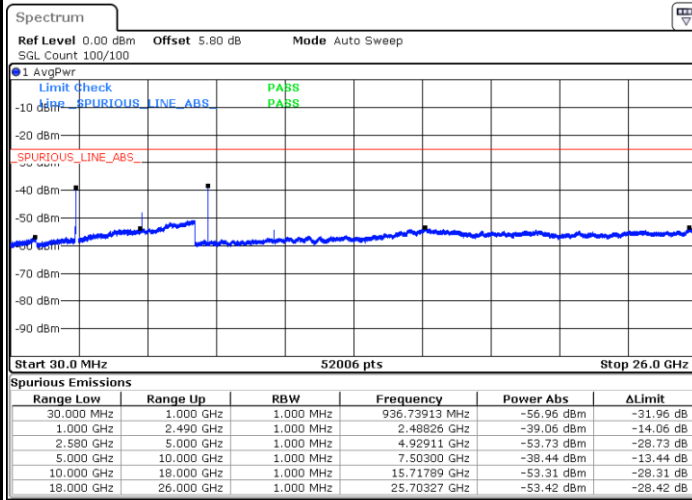


Date: 30.NOV.2021 09:10:55



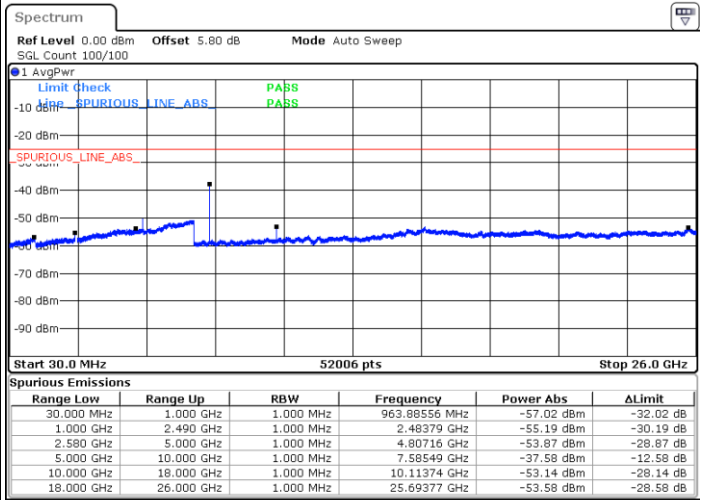
LTE Band 7 / 15MHz

Lowest Channel / QPSK



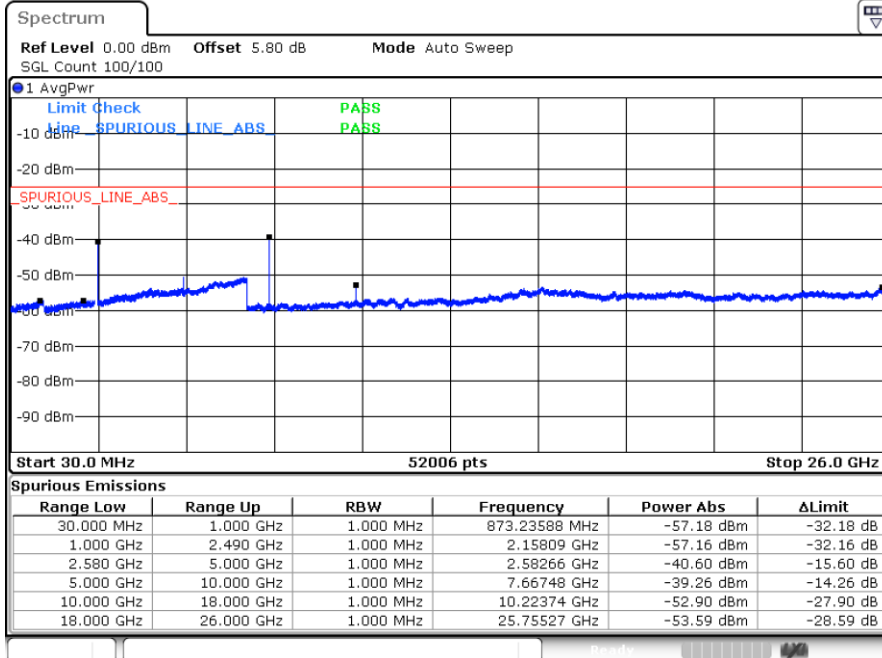
Date: 30.NOV.2021 09:21:10

Middle Channel / QPSK



Date: 30.NOV.2021 09:31:14

Highest Channel / QPSK

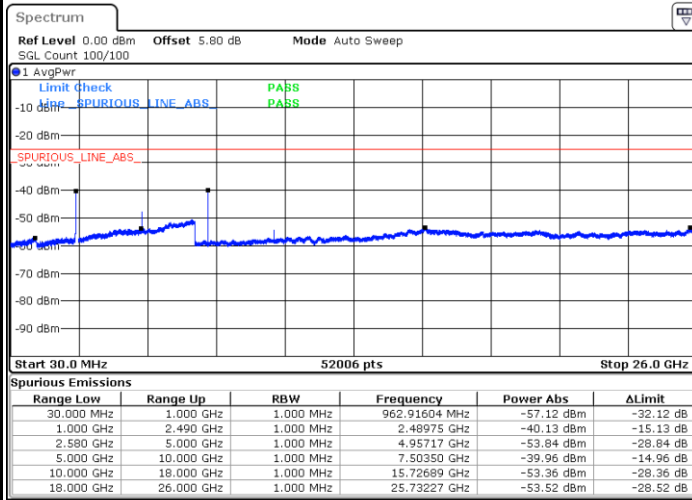


Date: 30.NOV.2021 09:33:06



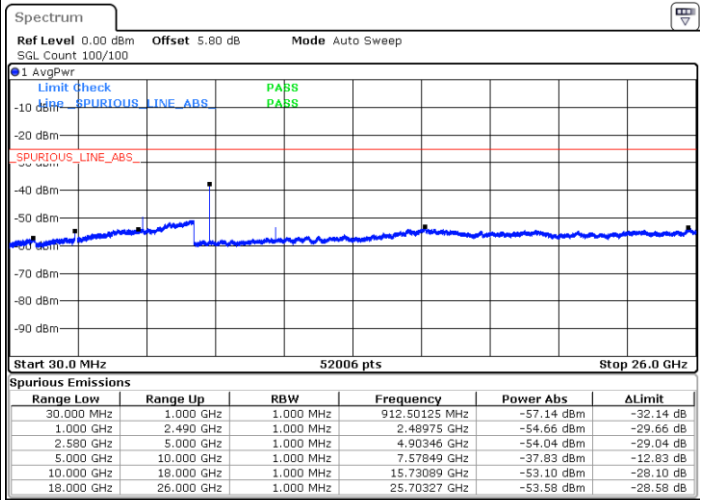
LTE Band 7 / 20MHz

Lowest Channel / QPSK



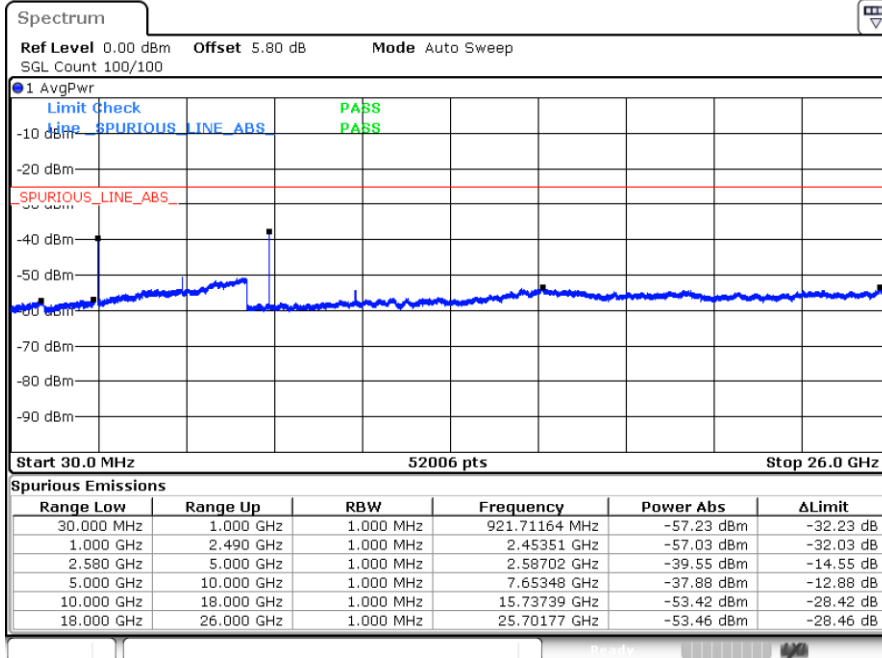
Date: 30.NOV.2021 09:43:18

Middle Channel / QPSK



Date: 30.NOV.2021 09:53:21

Highest Channel / QPSK



Date: 30.NOV.2021 09:55:13

**Frequency Stability**

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0021	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

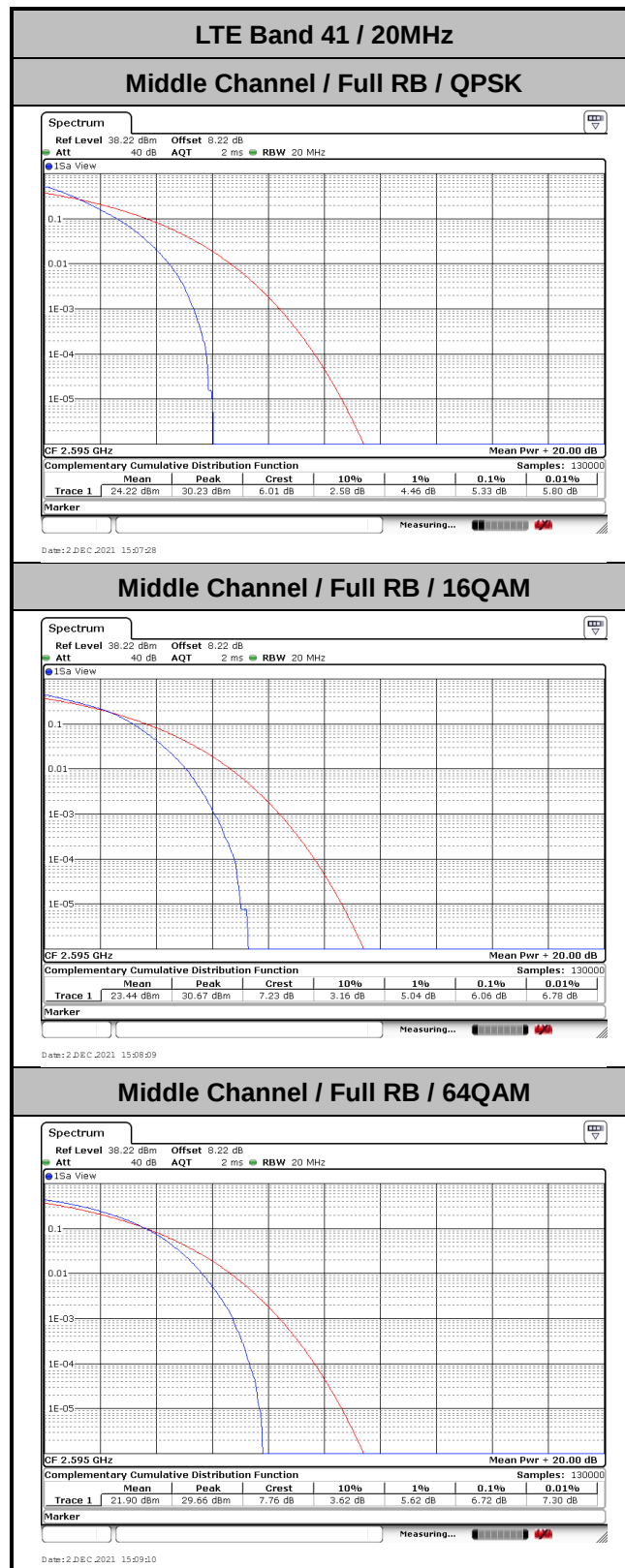
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

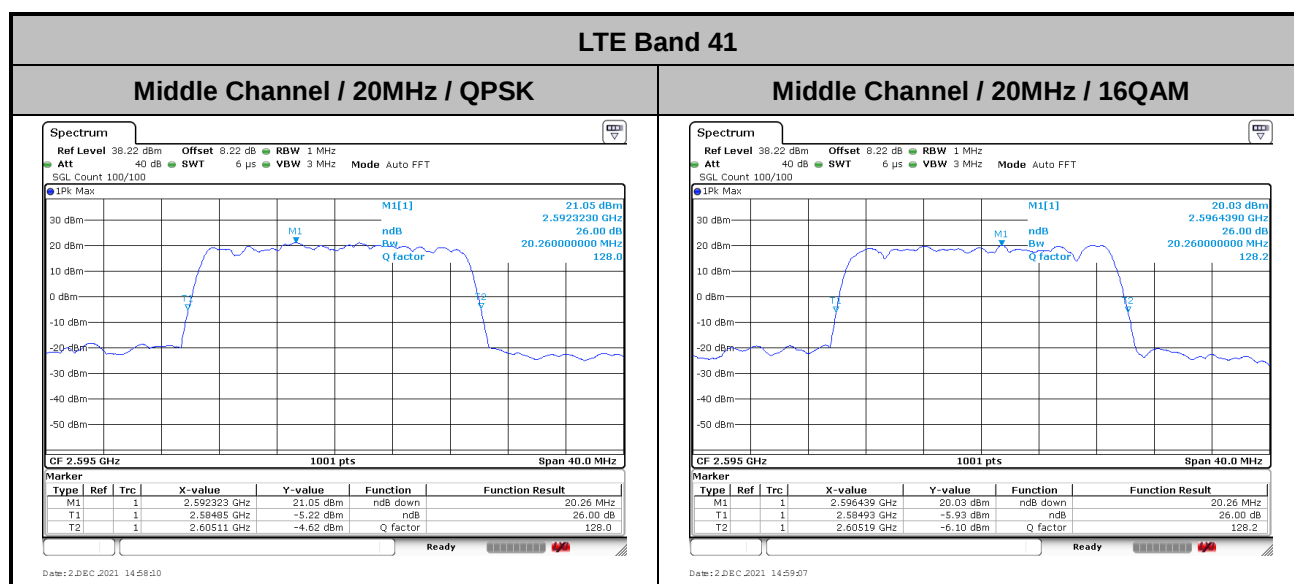
Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.33	6.06	6.72	PASS



**26dB Bandwidth**

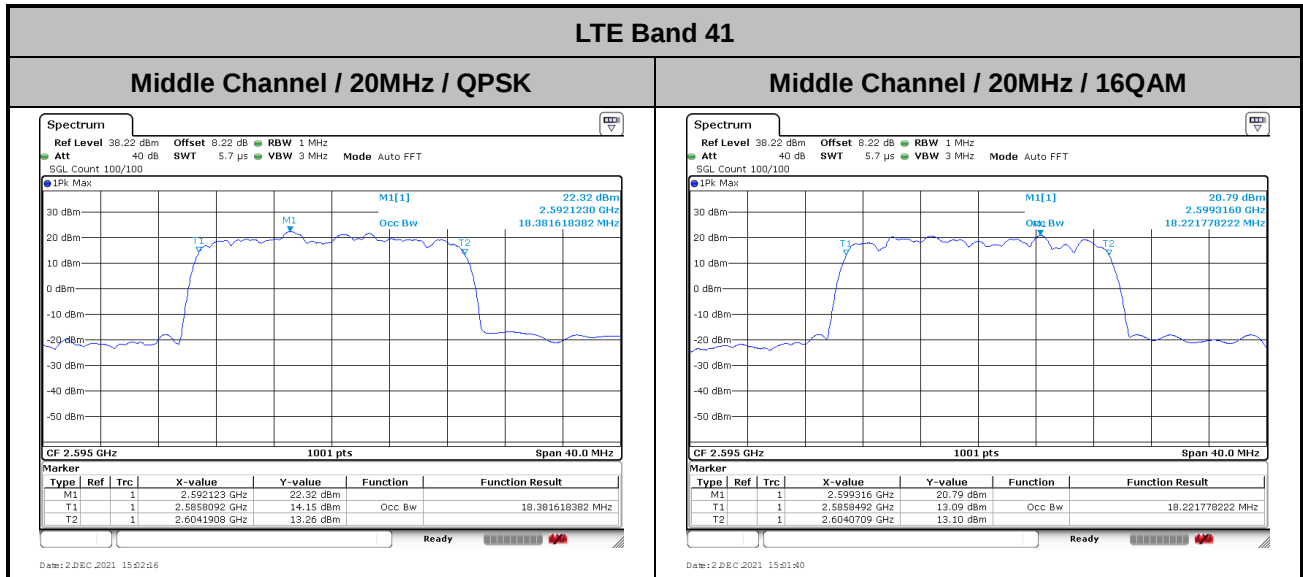
Mode	LTE Band 41 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	20.26	20.26

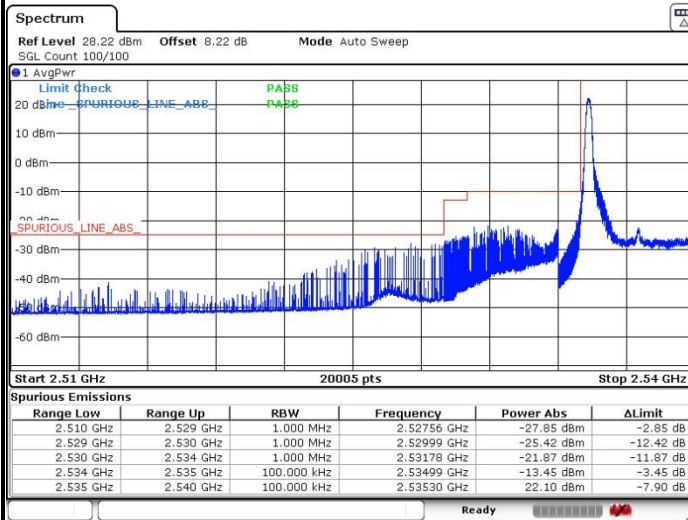
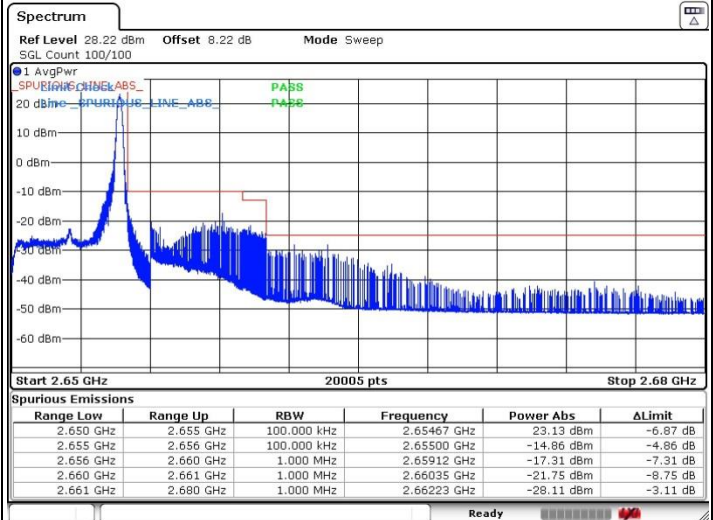
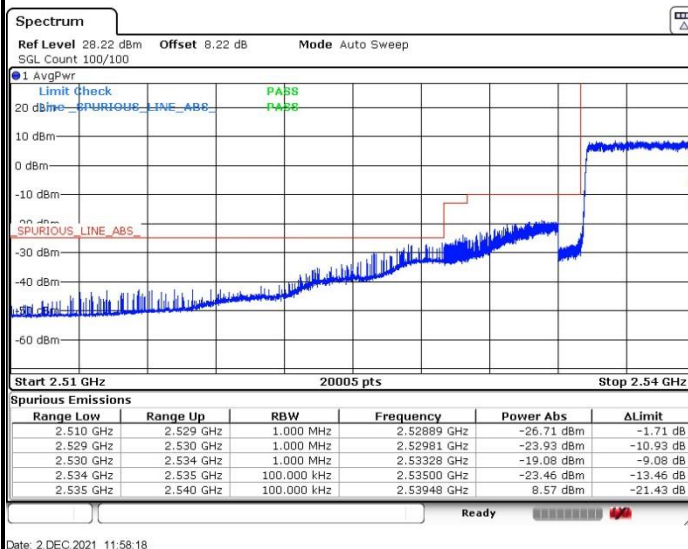
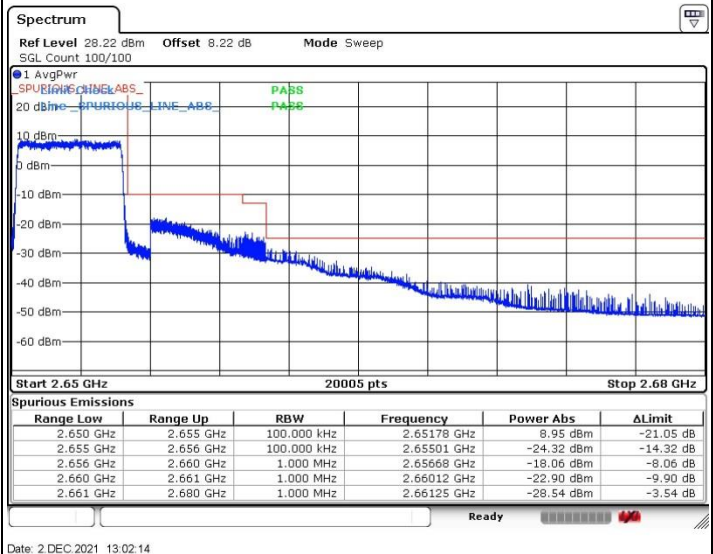




Occupied Bandwidth

Mode	LTE Band 41 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.38	18.22

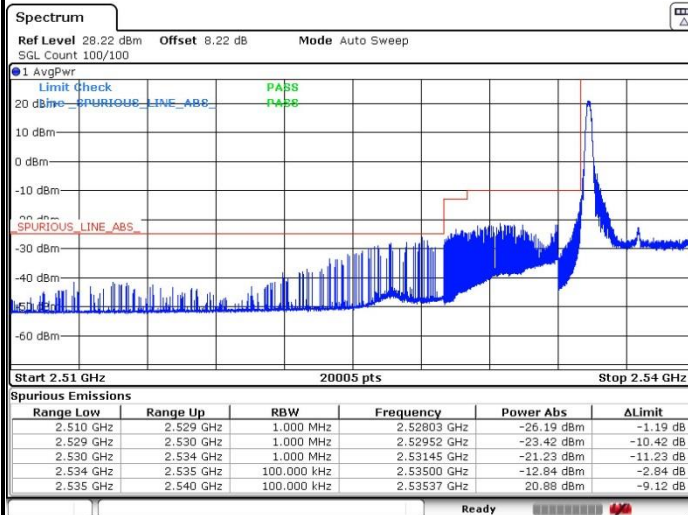


**Conducted Band Edge****LTE Band 41 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

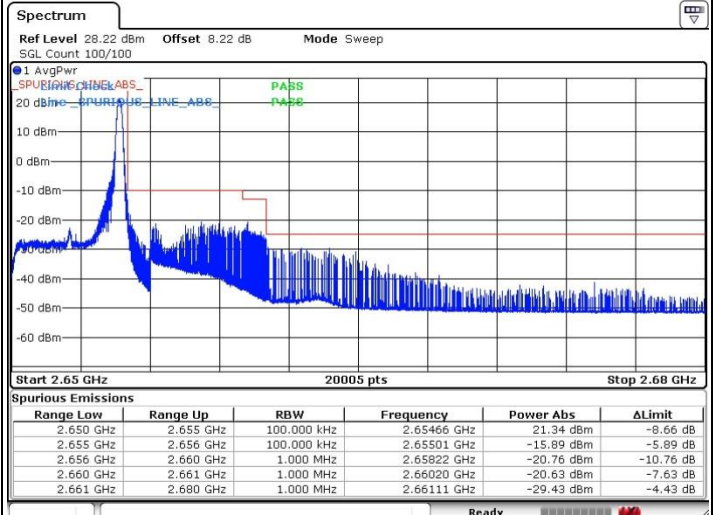


LTE Band 41 / 5MHz / 16QAM

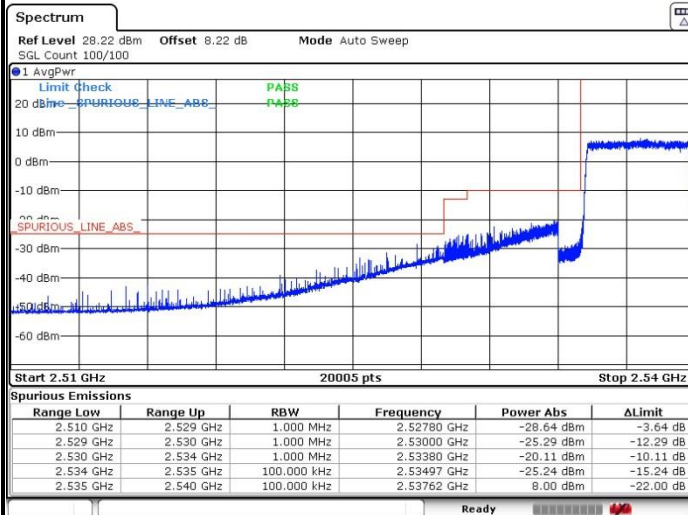
Lowest Band Edge / 1RB



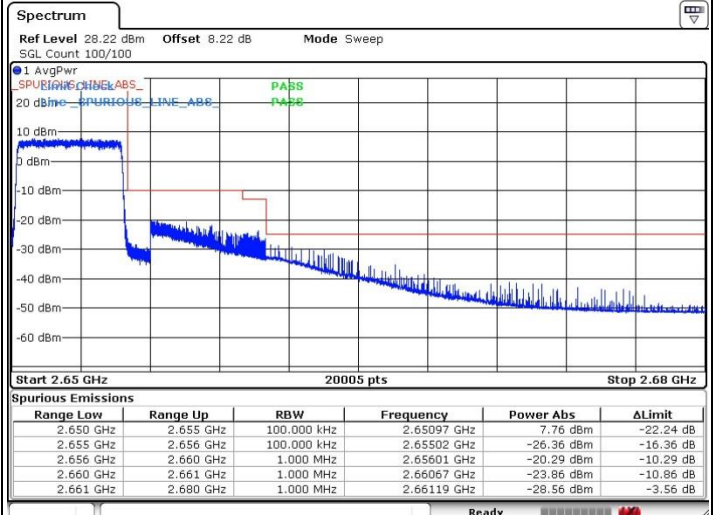
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



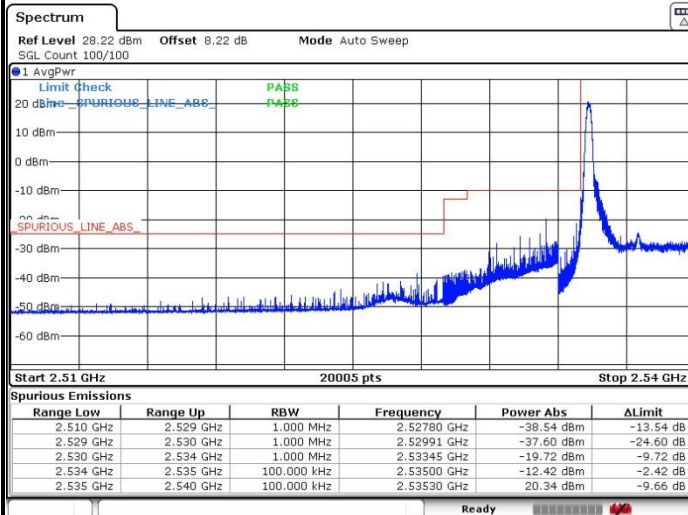
Highest Band Edge / Full RB





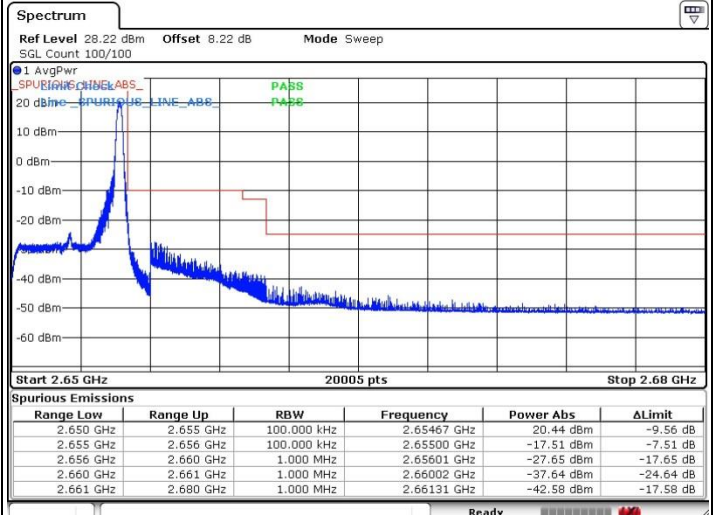
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



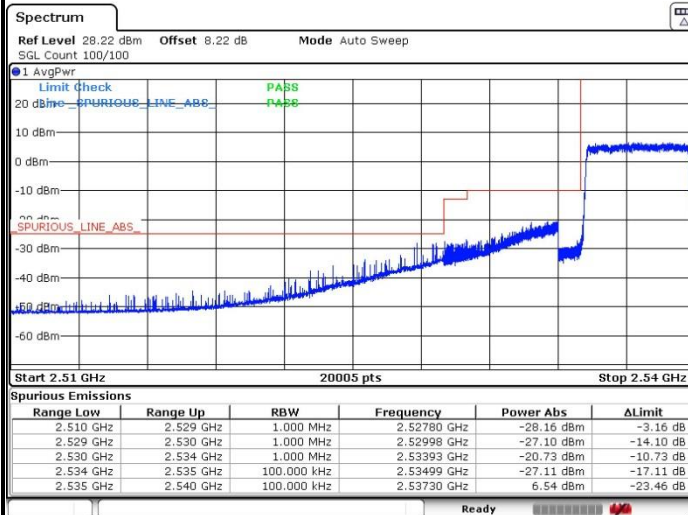
Date: 2 DEC 2021 11:57:04

Highest Band Edge / 1 RB



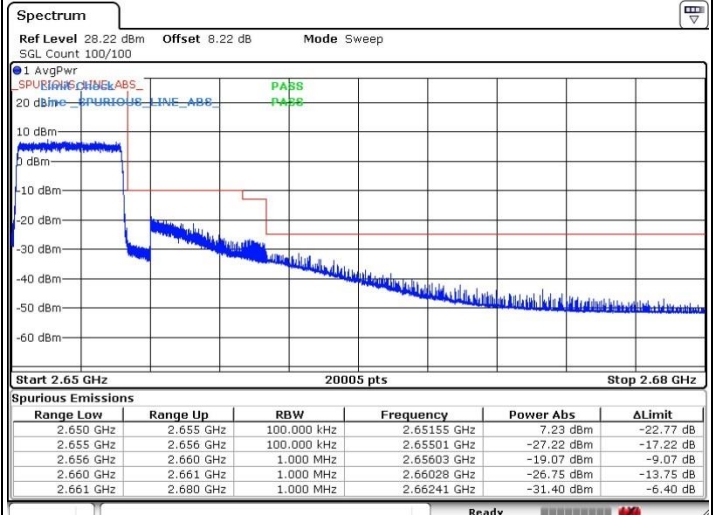
Date: 2 DEC 2021 13:01:31

Lowest Band Edge / Full RB



Date: 2 DEC 2021 12:00:17

Highest Band Edge / Full RB

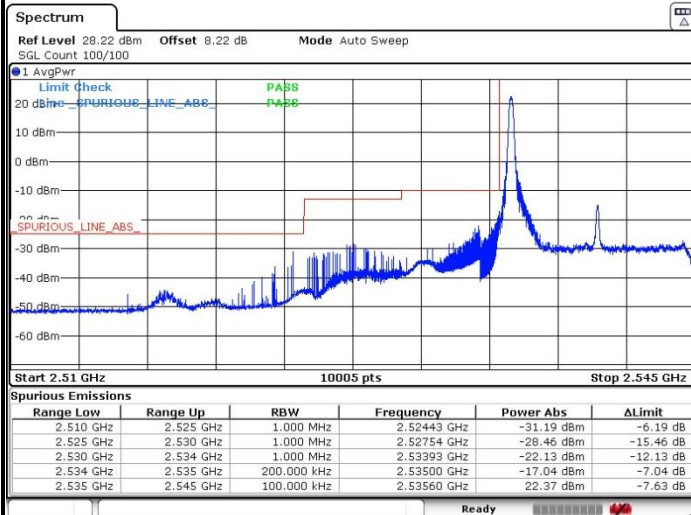


Date: 2 DEC 2021 13:03:11

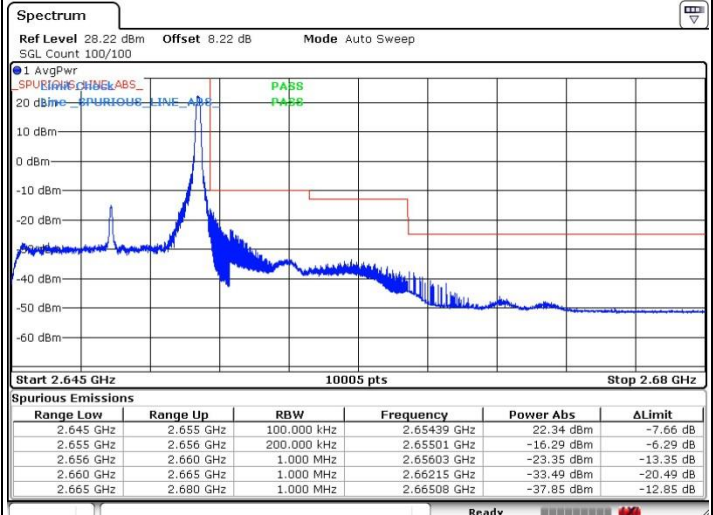


LTE Band 41 / 10MHz / QPSK

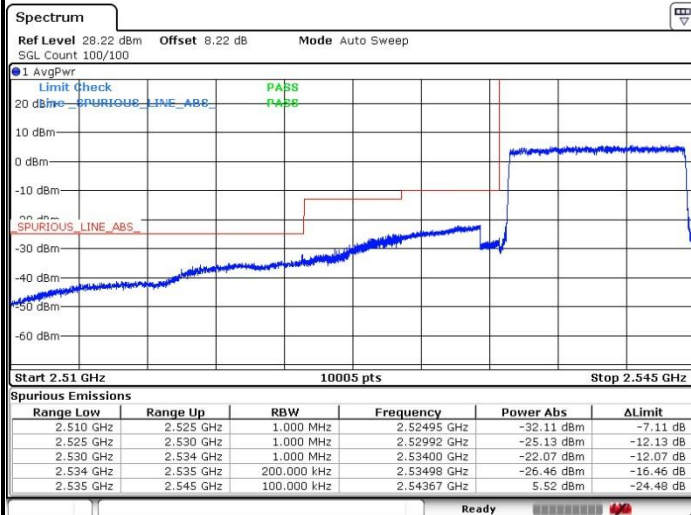
Lowest Band Edge / 1 RB



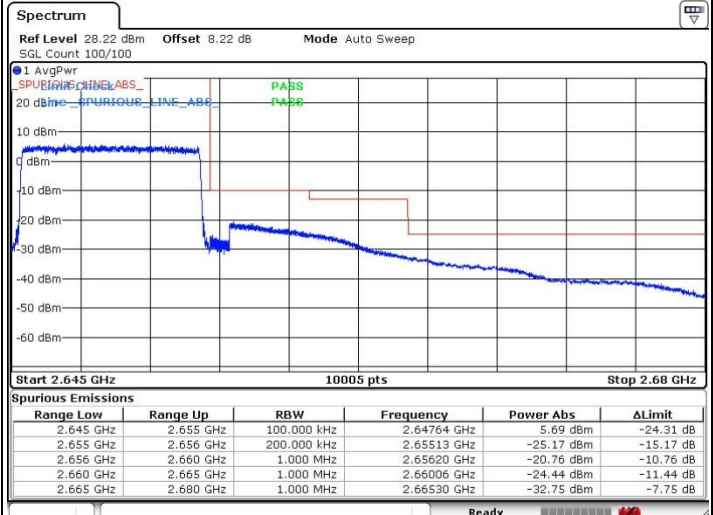
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



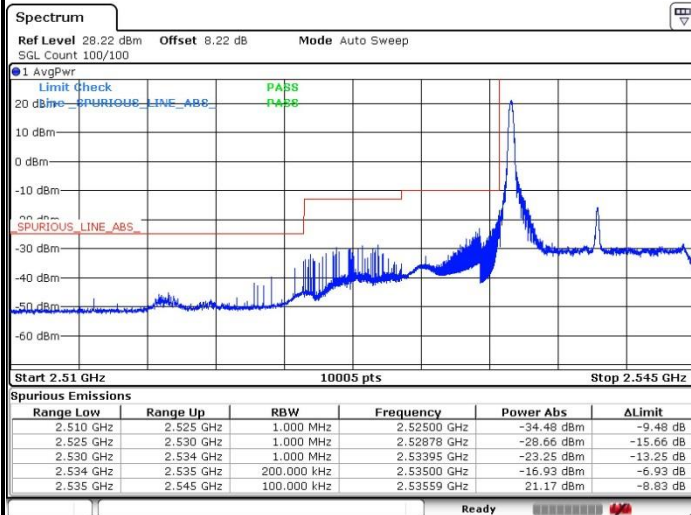
Highest Band Edge / Full RB



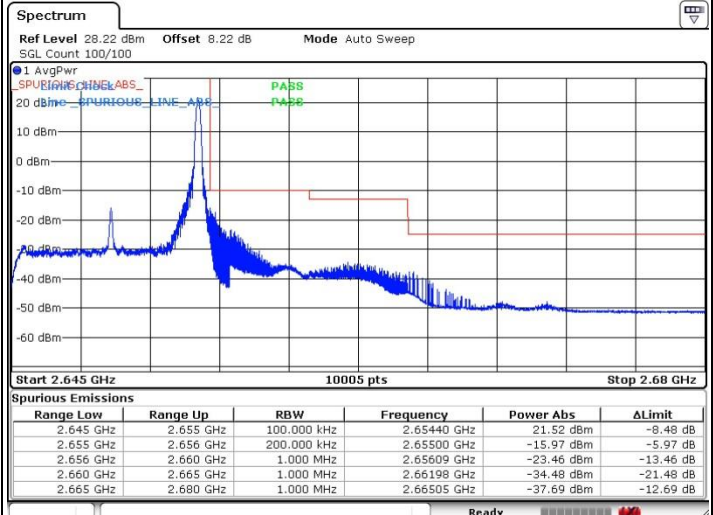


LTE Band 41 / 10MHz / 16QAM

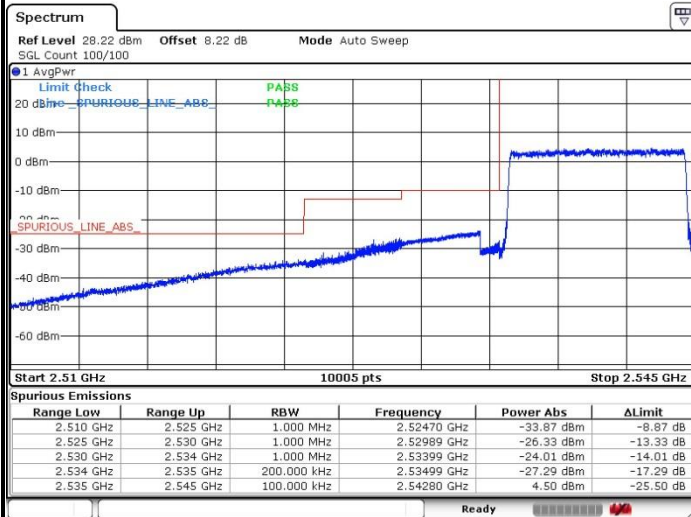
Lowest Band Edge / 1 RB



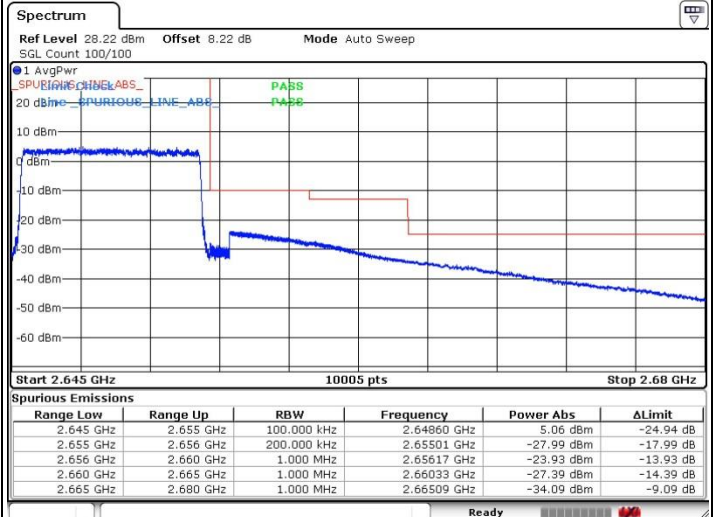
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



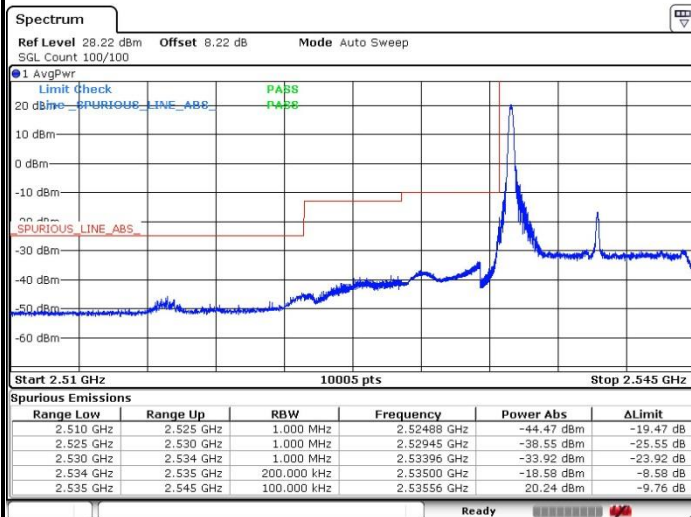
Highest Band Edge / Full RB



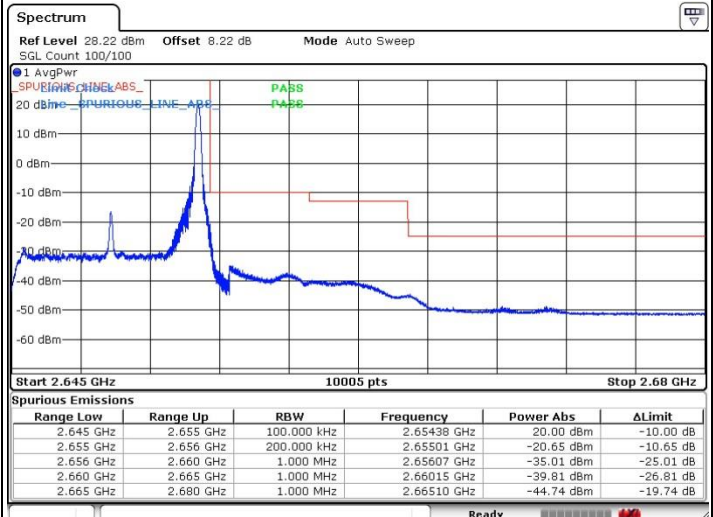


LTE Band 41 / 10MHz / 64QAM

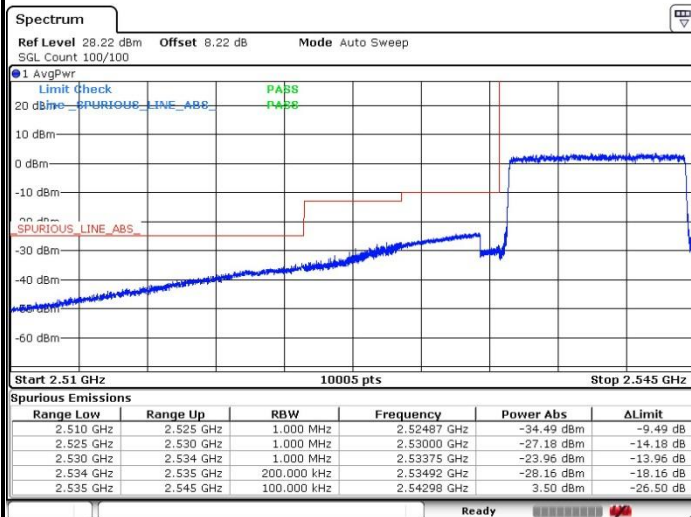
Lowest Band Edge / 1 RB



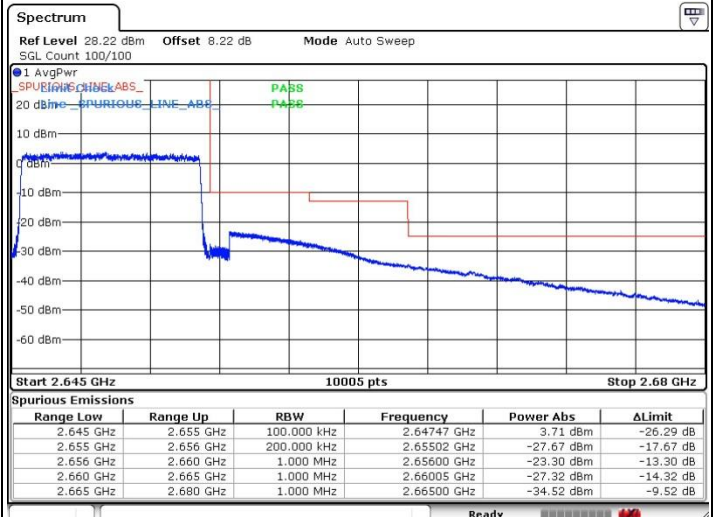
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



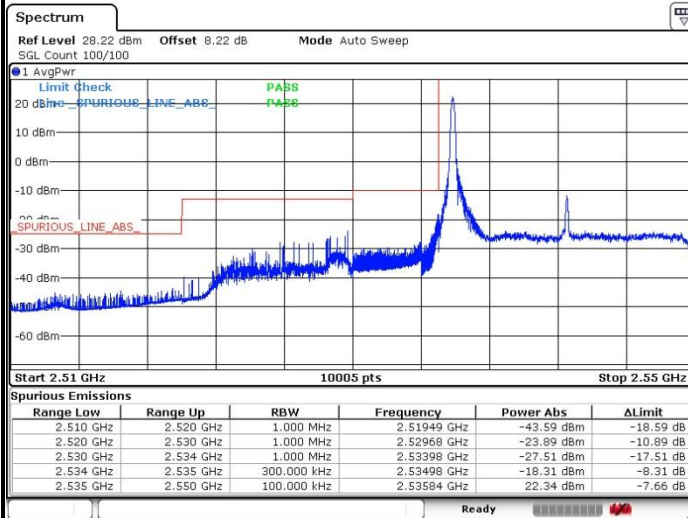
Highest Band Edge / Full RB





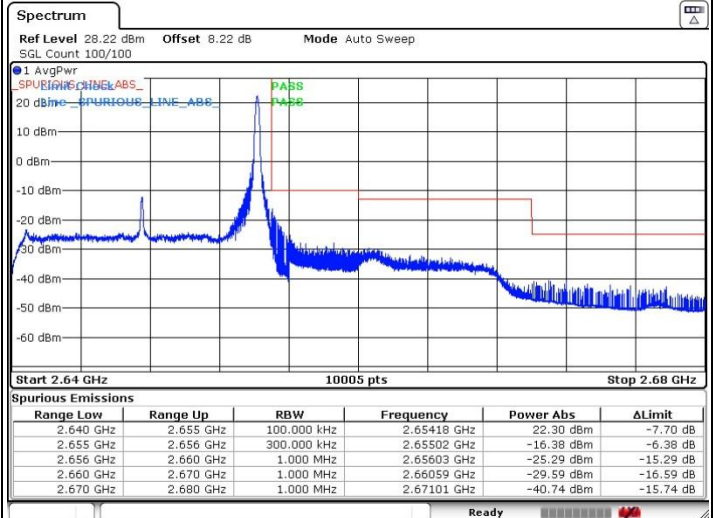
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



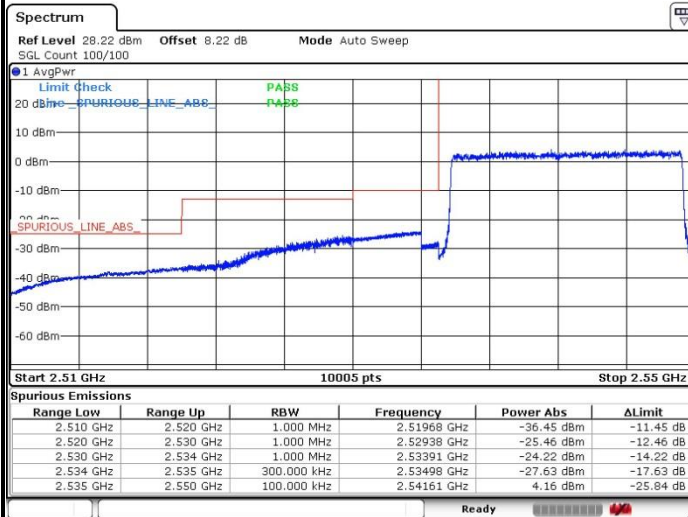
Date: 2 DEC 2021 14:01:24

Highest Band Edge / 1 RB



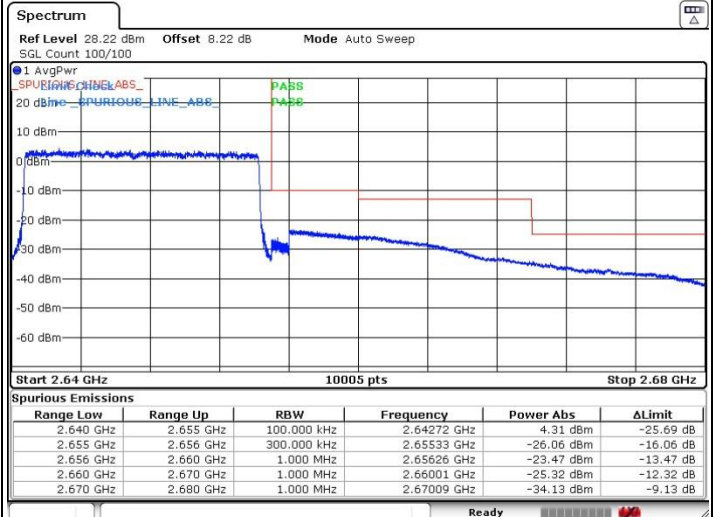
Date: 2 DEC 2021 14:11:42

Lowest Band Edge / Full RB



Date: 2 DEC 2021 14:03:17

Highest Band Edge / Full RB



Date: 2 DEC 2021 14:14:26