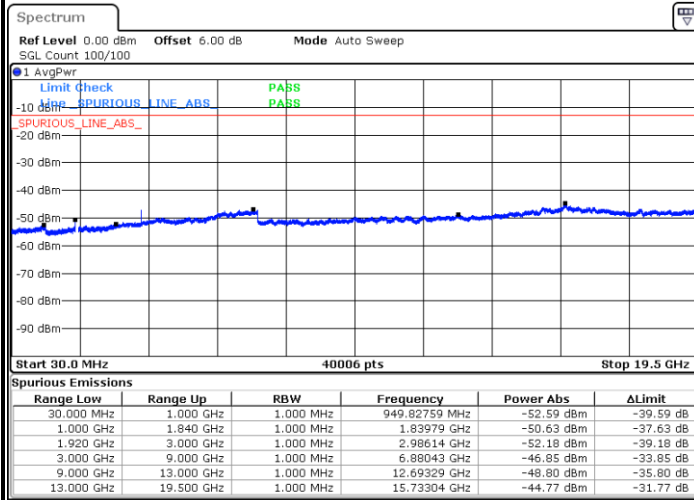




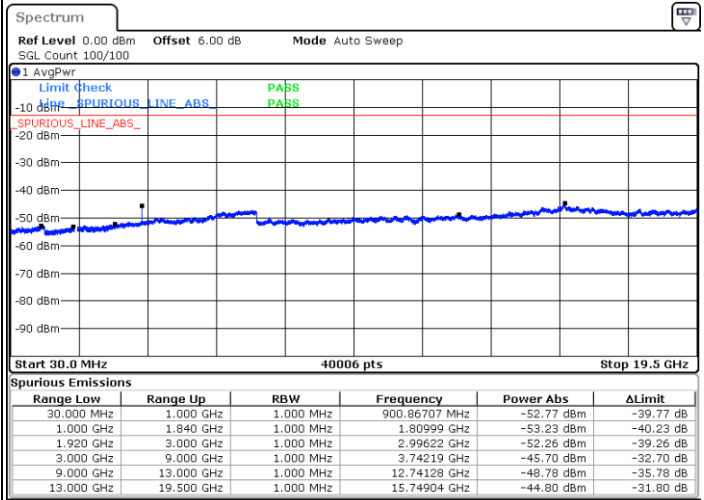
LTE Band 2 / 20MHz

Lowest Channel / QPSK



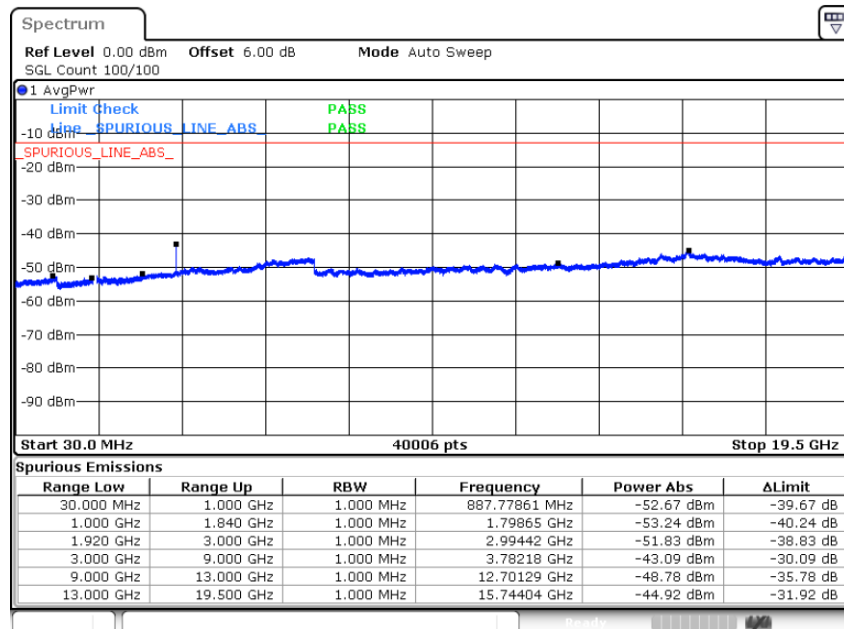
Date: 10.FEB.2021 16:48:03

Middle Channel / QPSK



Date: 10.FEB.2021 16:48:48

Highest Channel / QPSK



Date: 10.FEB.2021 16:49:37

**Frequency Stability**

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0022	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0002	
20	Battery End Point	0.0016	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7

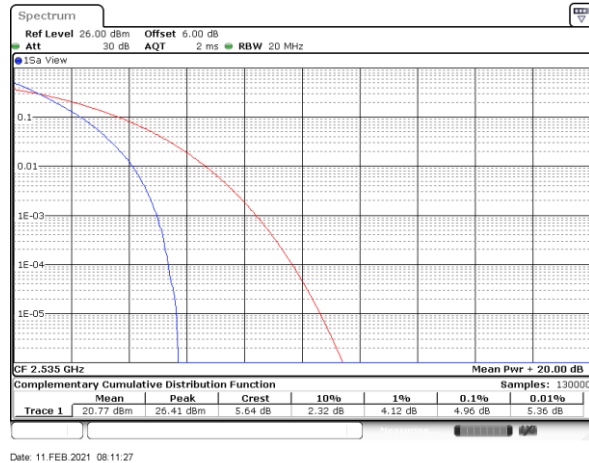
Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.96	5.86	5.86	PASS

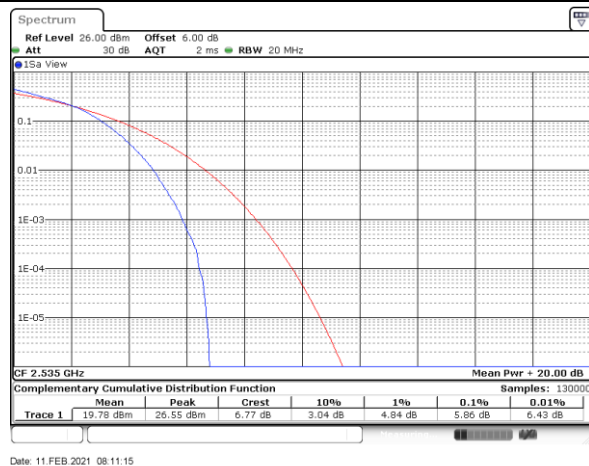


LTE Band 7 / 20MHz

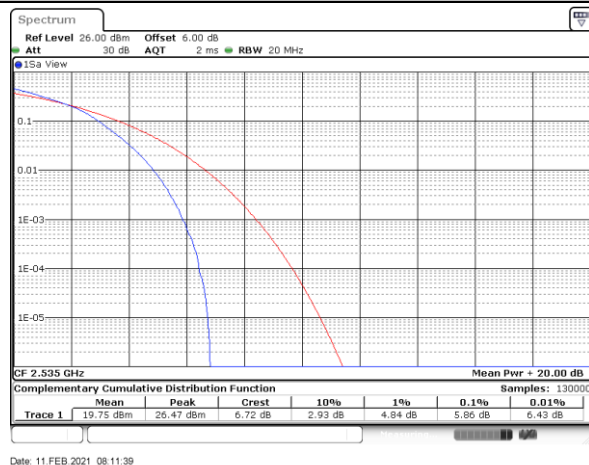
Middle Channel / Full RB/ QPSK



Middle Channel / Full RB/ 16QAM

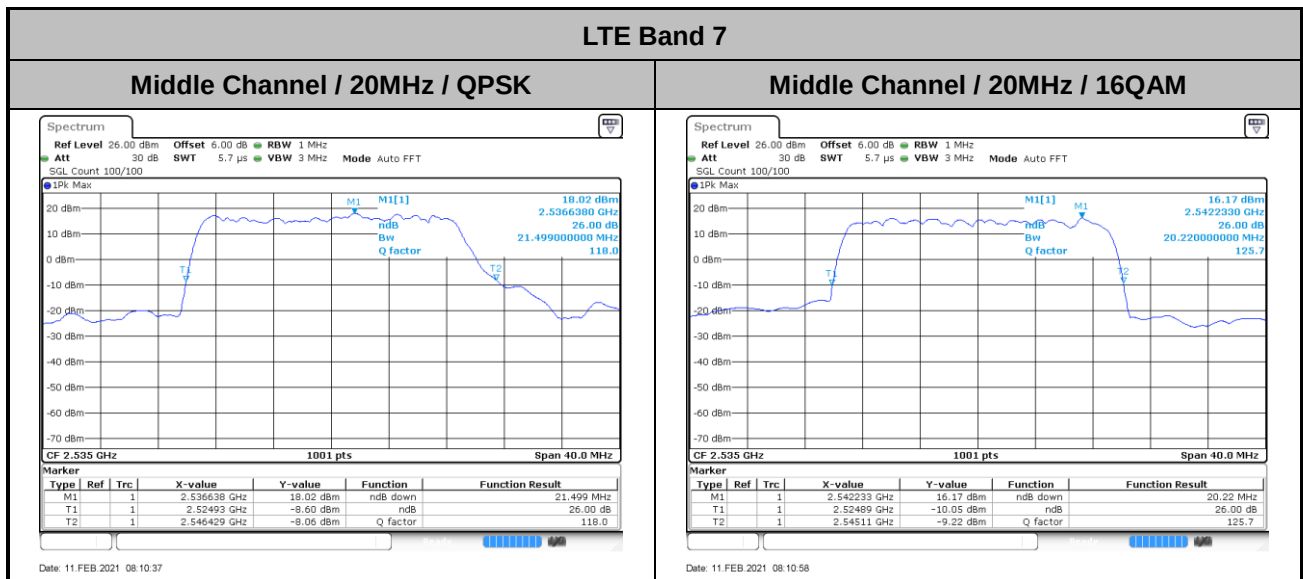


Middle Channel / Full RB/ 64QAM



**26dB Bandwidth**

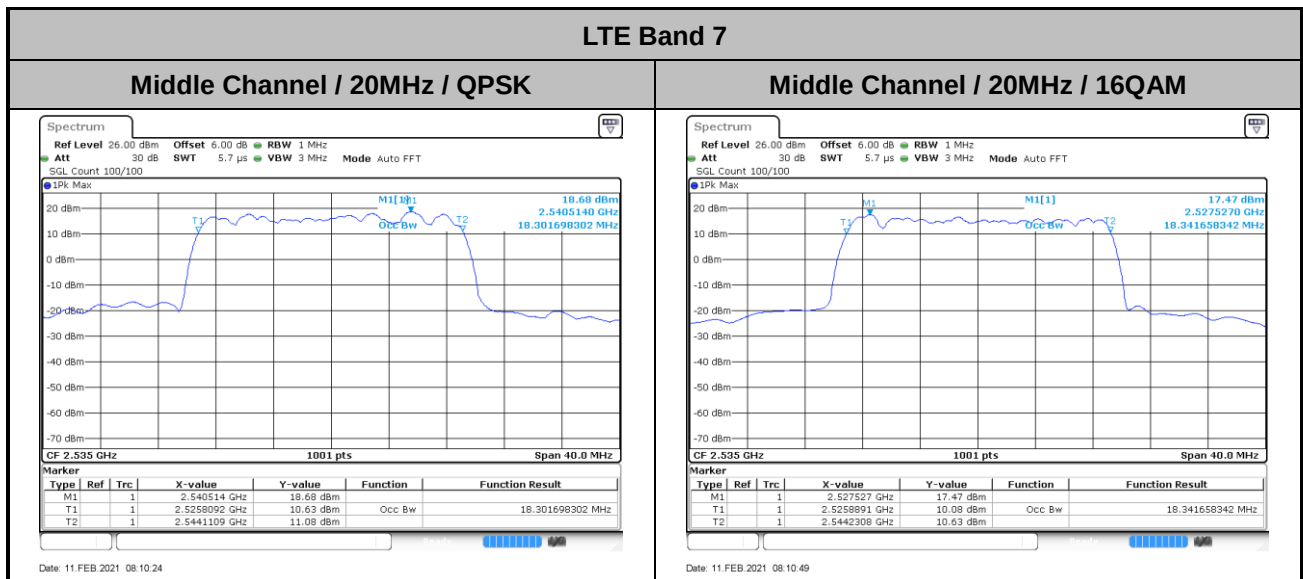
Mode	LTE Band 7 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	21.50	20.22





Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.30	18.34

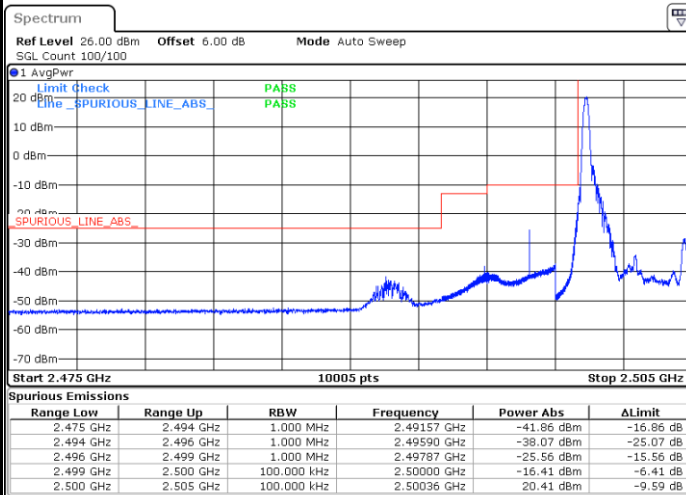




Conducted Band Edge

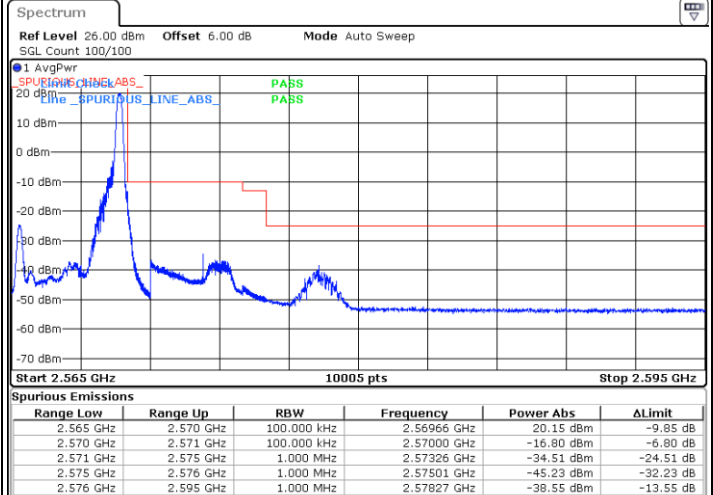
LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



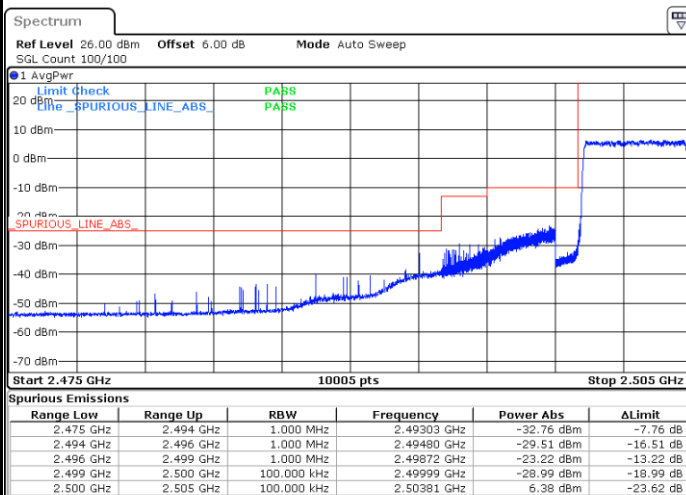
Date: 10.FEB.2021 19:59:23

Highest Band Edge / 1 RB



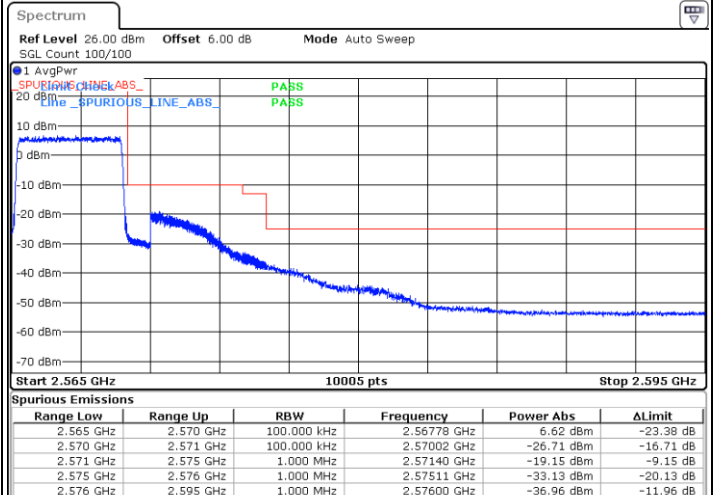
Date: 10.FEB.2021 20:07:20

Lowest Band Edge / Full RB



Date: 10.FEB.2021 20:02:48

Highest Band Edge / Full RB

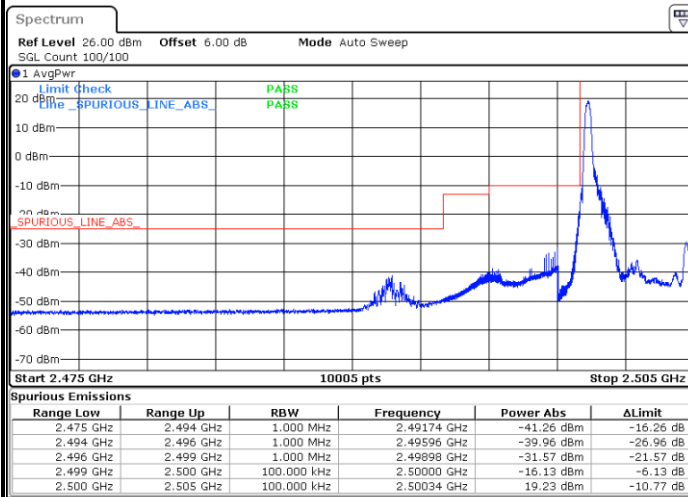


Date: 10.FEB.2021 20:03:56

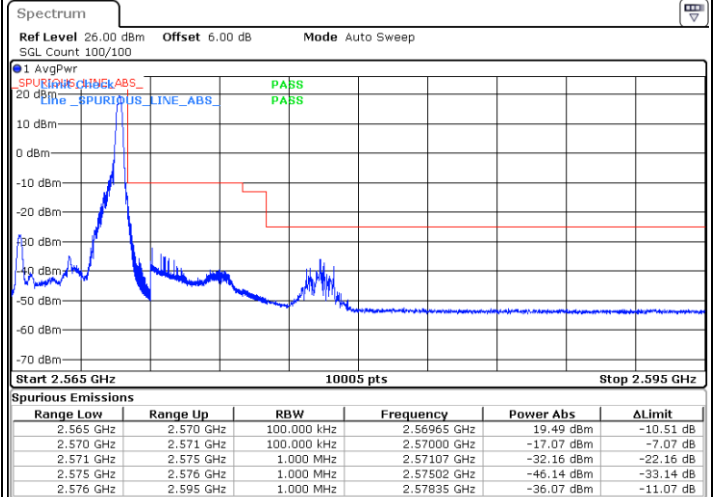


LTE Band 7 / 5MHz / 16QAM

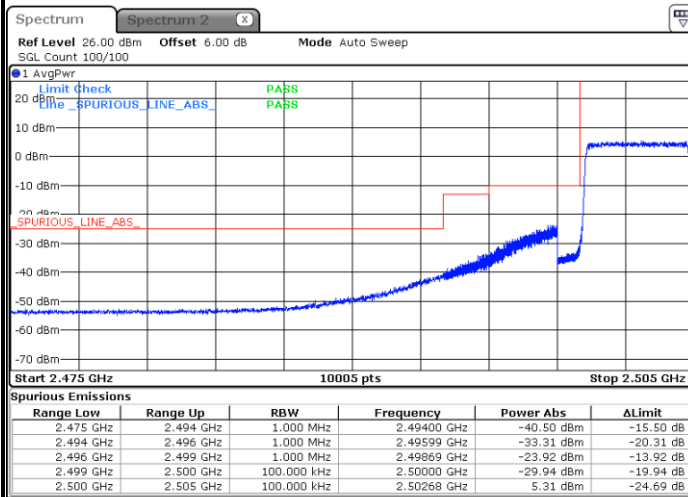
Lowest Band Edge / 1RB



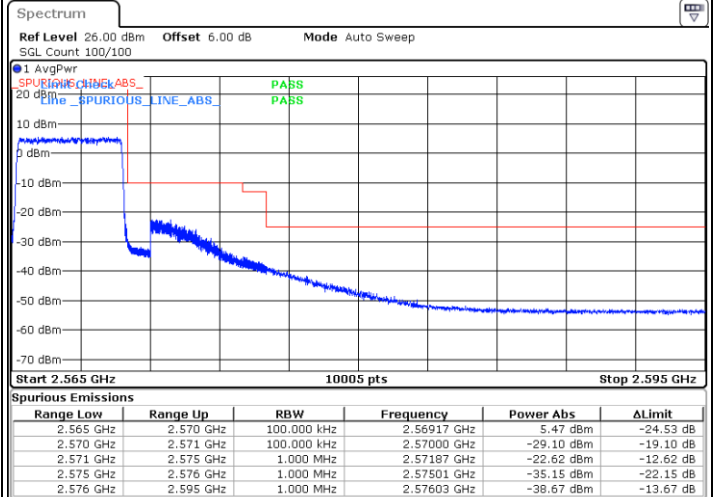
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



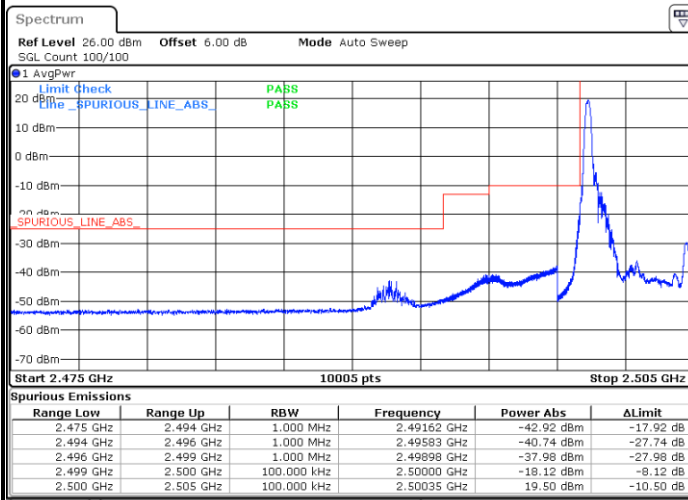
Highest Band Edge / Full RB



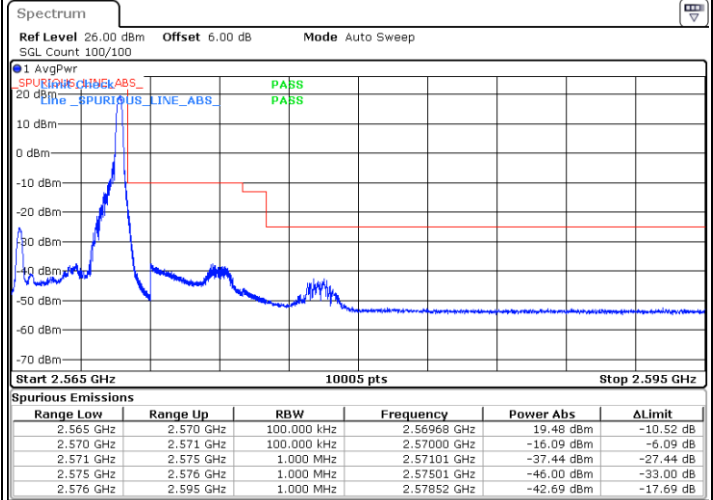


LTE Band 7 / 5MHz / 64QAM

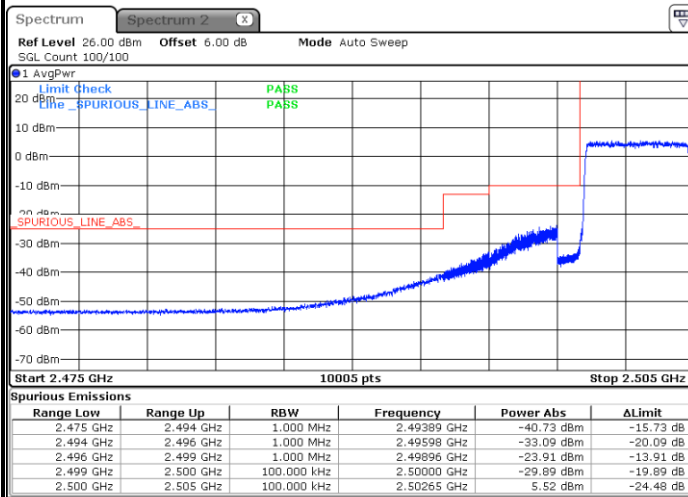
Lowest Band Edge / 1RB



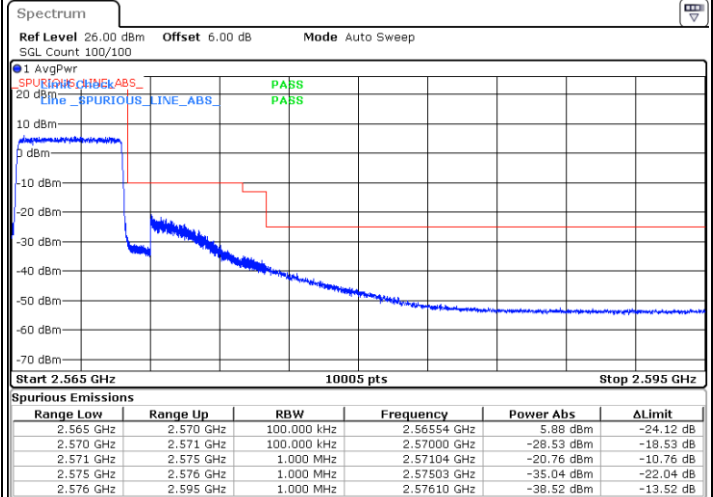
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



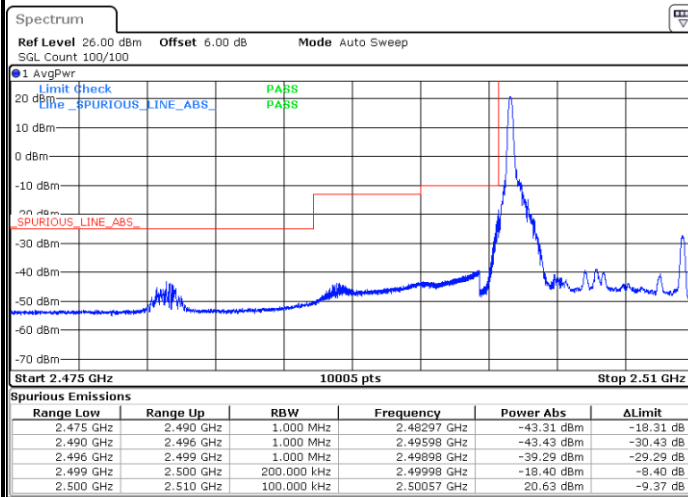
Highest Band Edge / Full RB





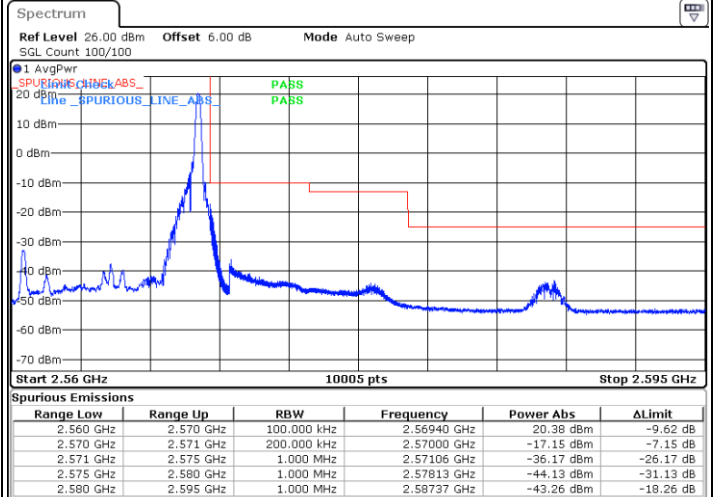
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



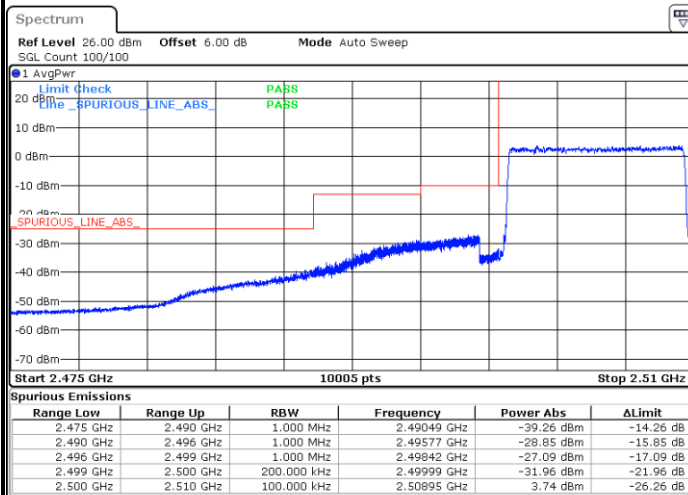
Date: 10.FEB.2021 20:08:28

Highest Band Edge / 1 RB



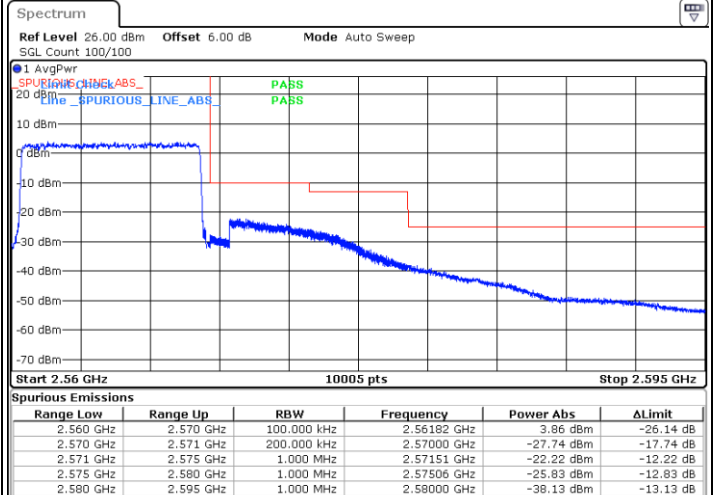
Date: 10.FEB.2021 20:16:25

Lowest Band Edge / Full RB



Date: 10.FEB.2021 20:11:53

Highest Band Edge / Full RB

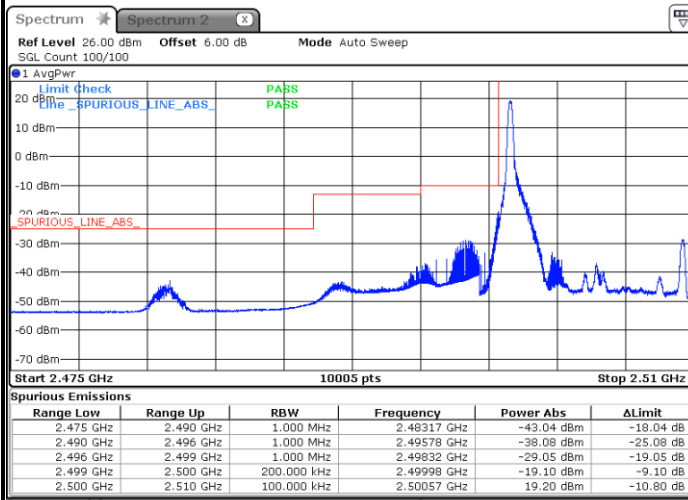


Date: 10.FEB.2021 20:13:01

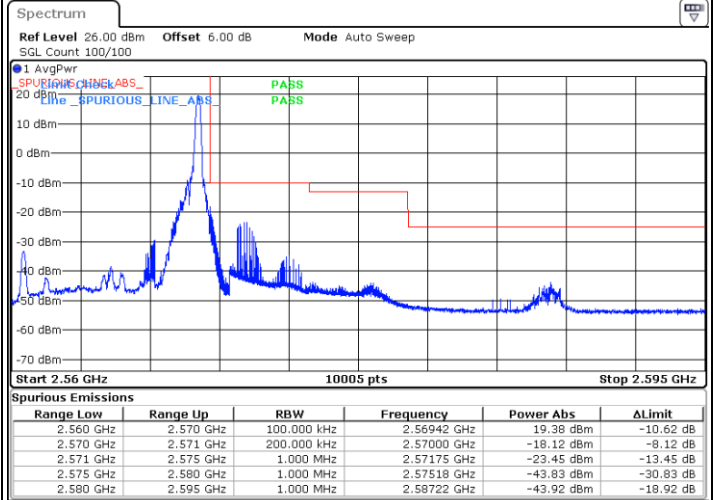


LTE Band 7 / 10MHz / 16QAM

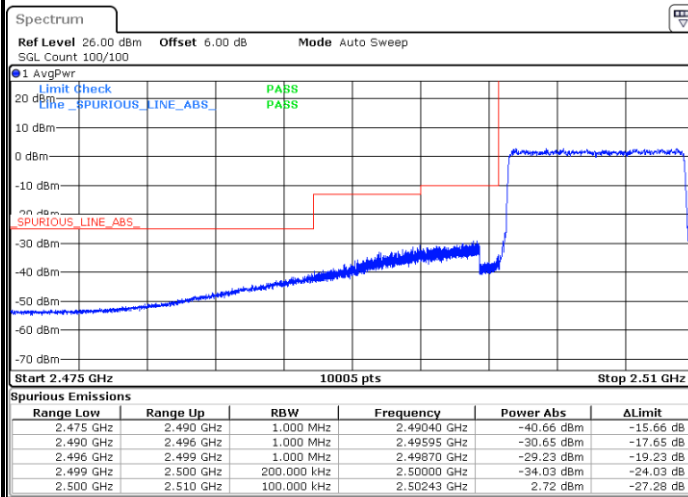
Lowest Band Edge / 1 RB



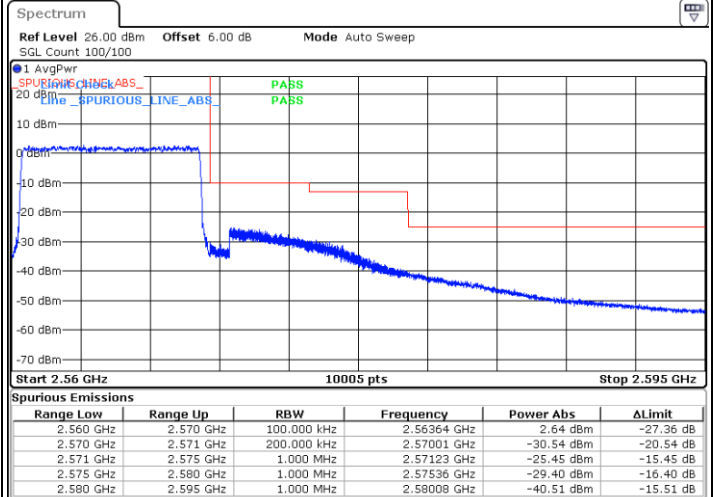
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



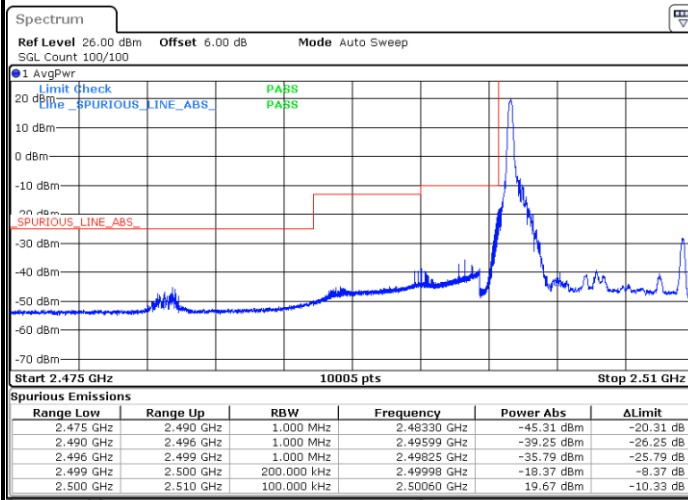
Highest Band Edge / Full RB



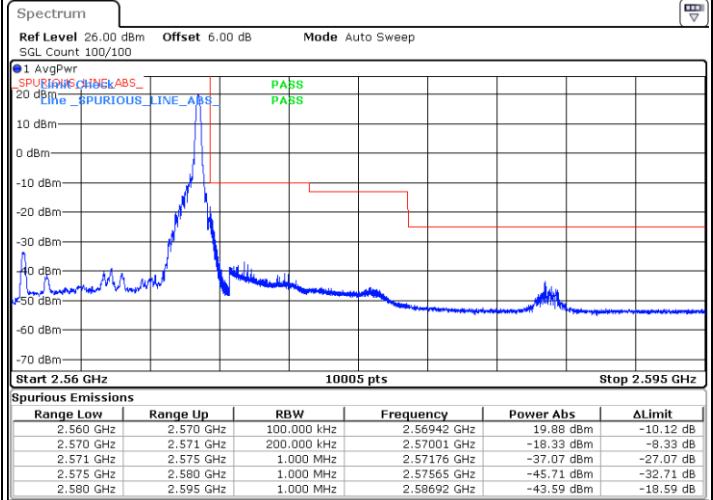


LTE Band 7 / 10MHz / 64QAM

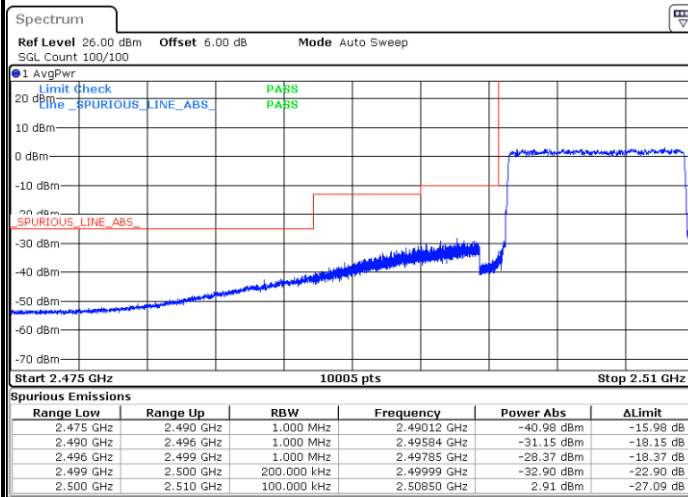
Lowest Band Edge / 1 RB



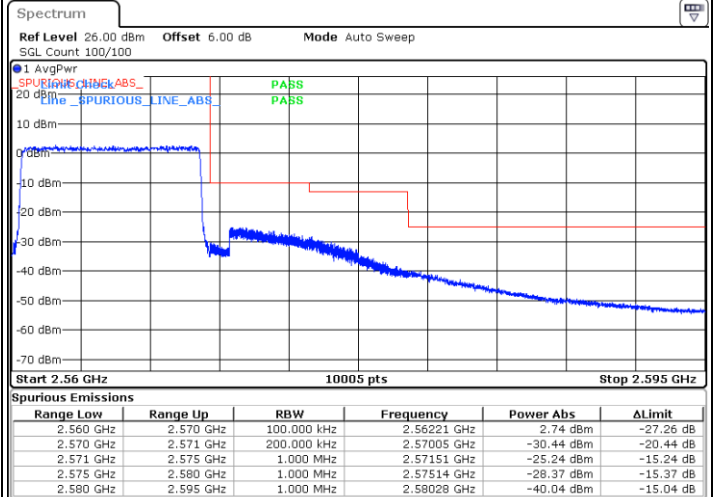
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



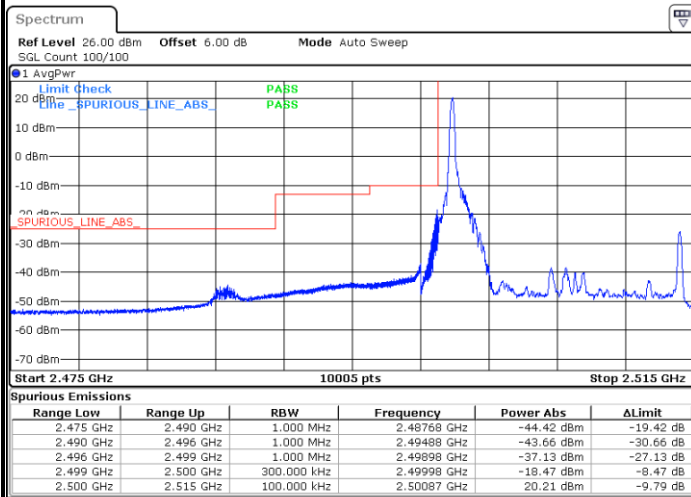
Highest Band Edge / Full RB



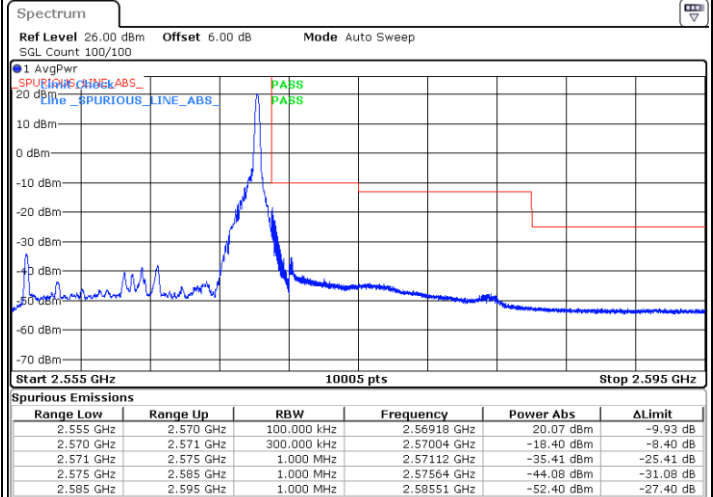


LTE Band 7 / 15MHz / QPSK

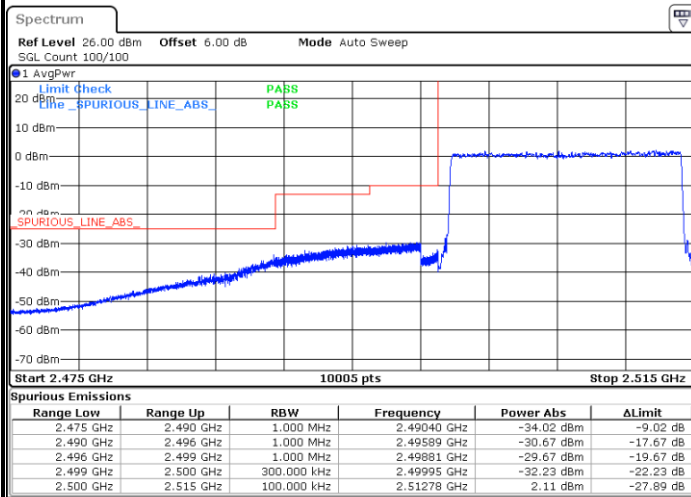
Lowest Band Edge / 1 RB



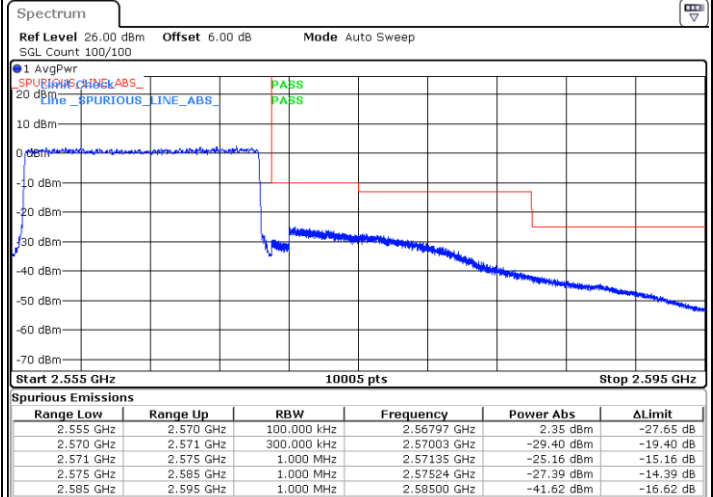
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



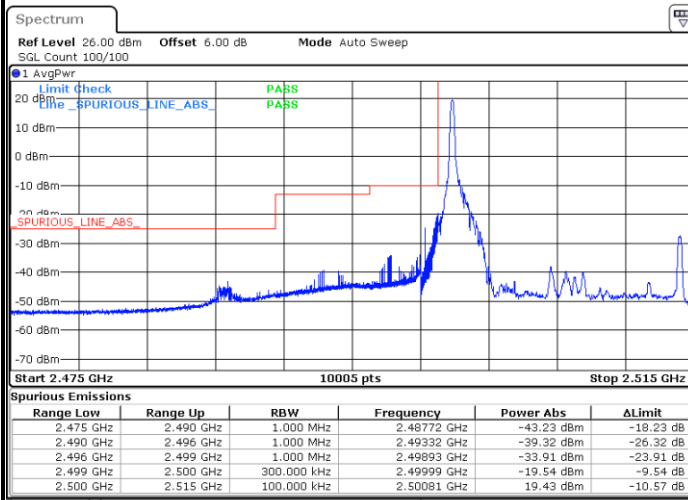
Highest Band Edge / Full RB





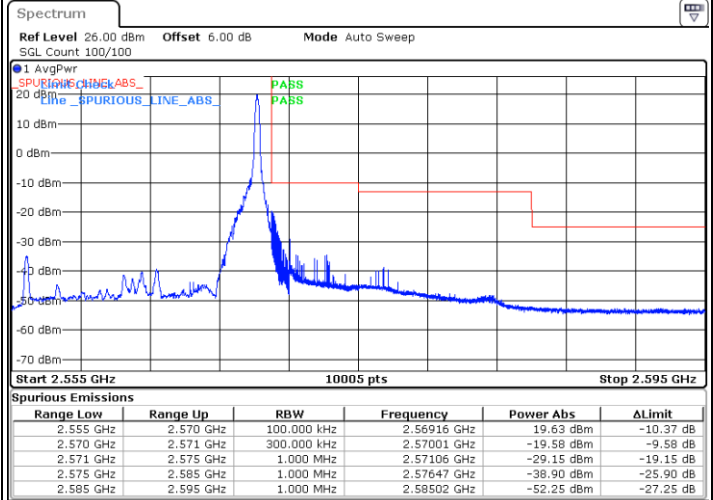
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



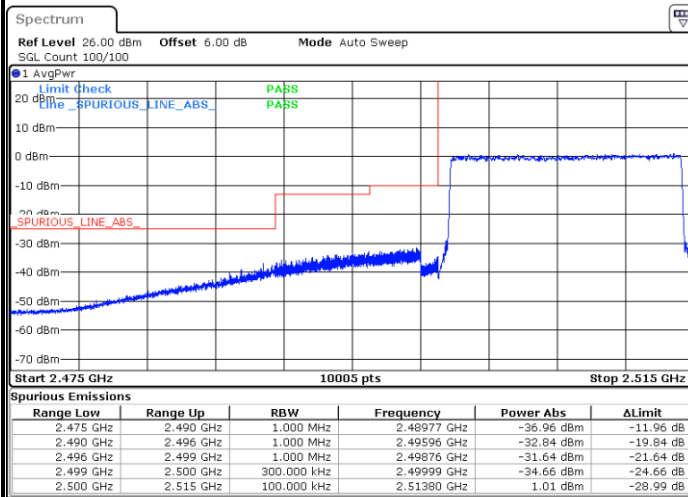
Date: 10.FEB.2021 20:18:41

Highest Band Edge / 1 RB



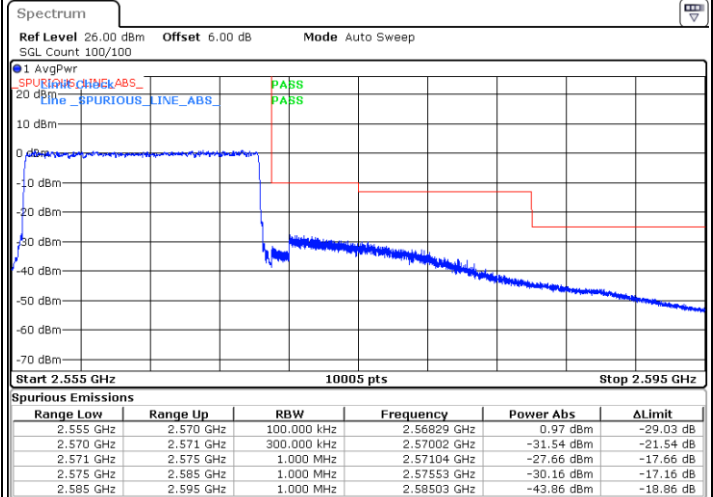
Date: 10.FEB.2021 20:24:22

Lowest Band Edge / Full RB



Date: 10.FEB.2021 20:19:50

Highest Band Edge / Full RB

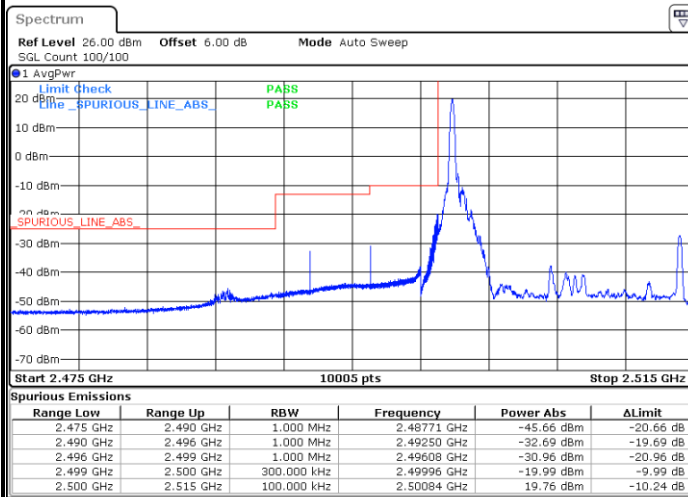


Date: 10.FEB.2021 20:23:14

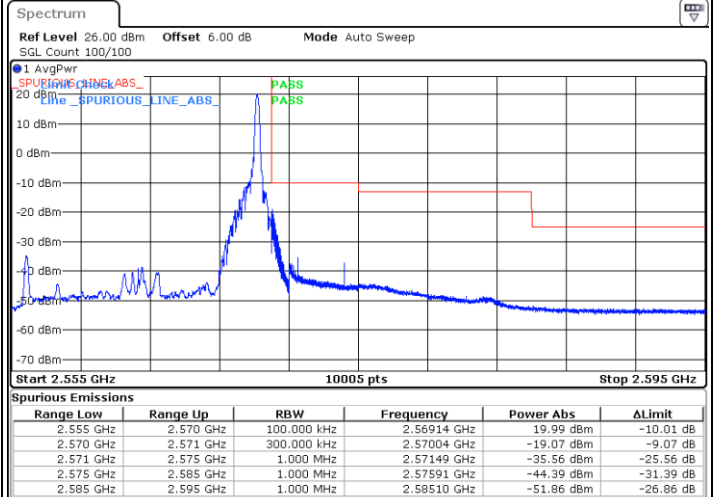


LTE Band 7 / 15MHz / 64QAM

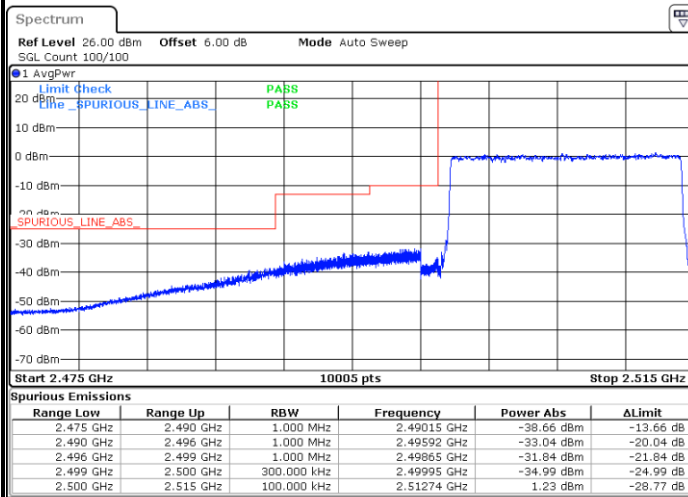
Lowest Band Edge / 1 RB



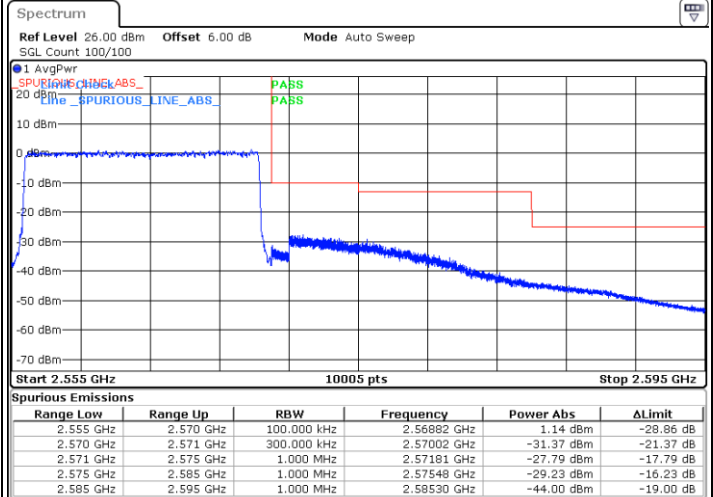
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



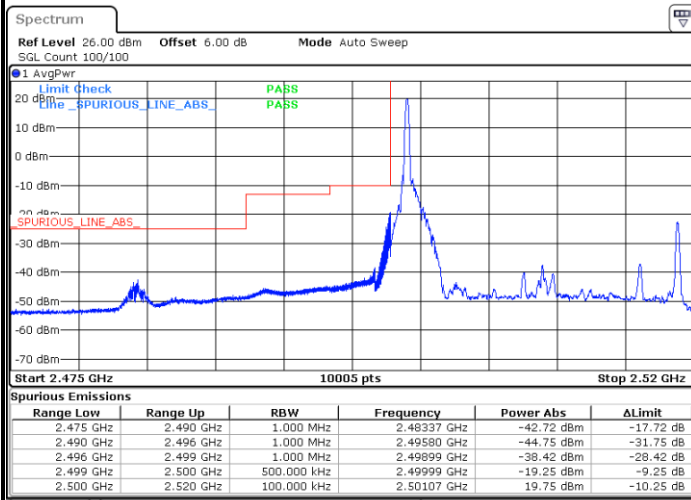
Highest Band Edge / Full RB



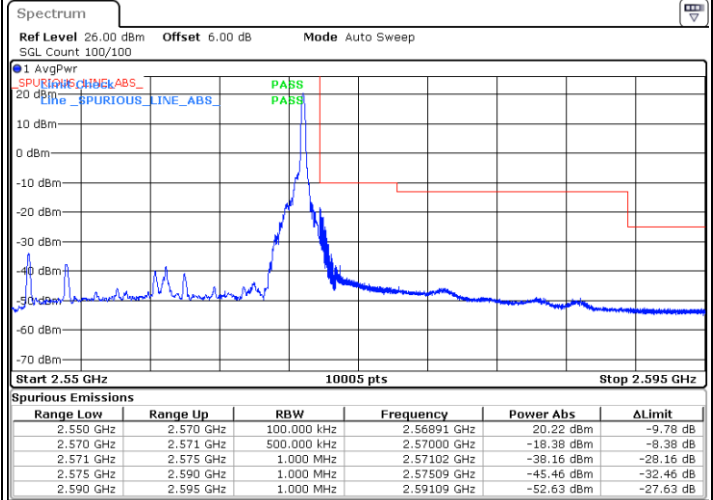


LTE Band 7 / 20MHz / QPSK

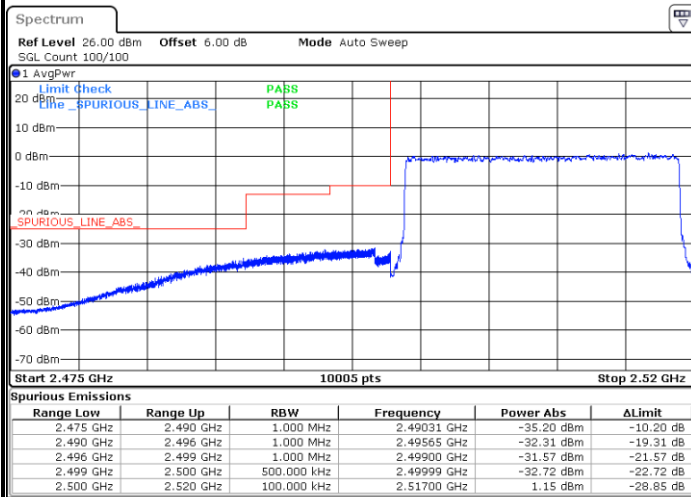
Lowest Band Edge / 1 RB



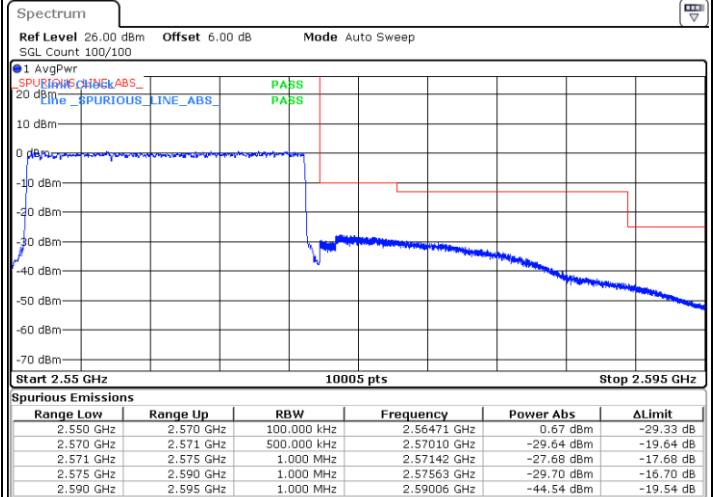
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



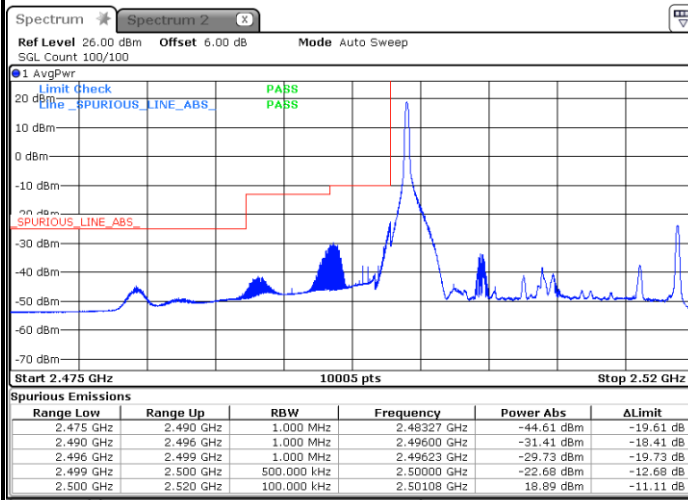
Highest Band Edge / Full RB



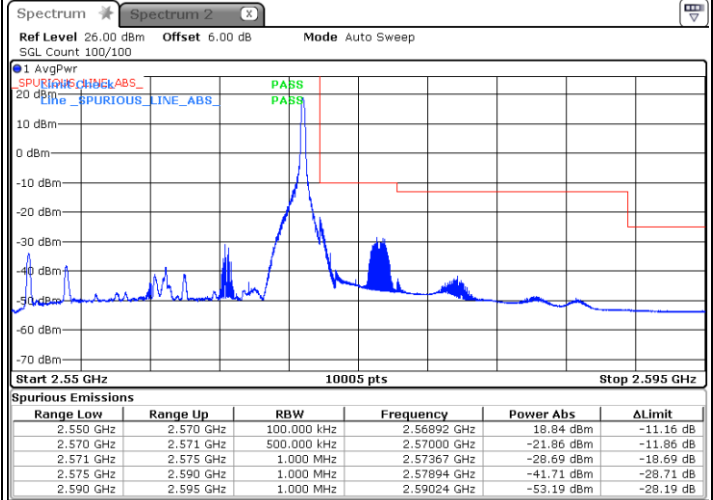


LTE Band 7 / 20MHz / 16QAM

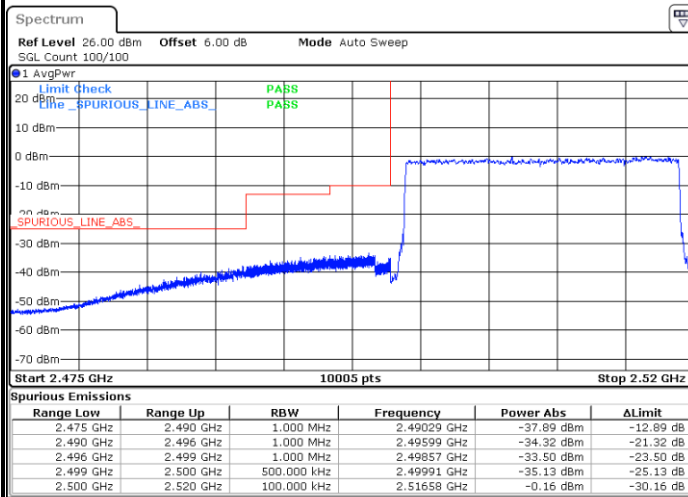
Lowest Band Edge / 1 RB



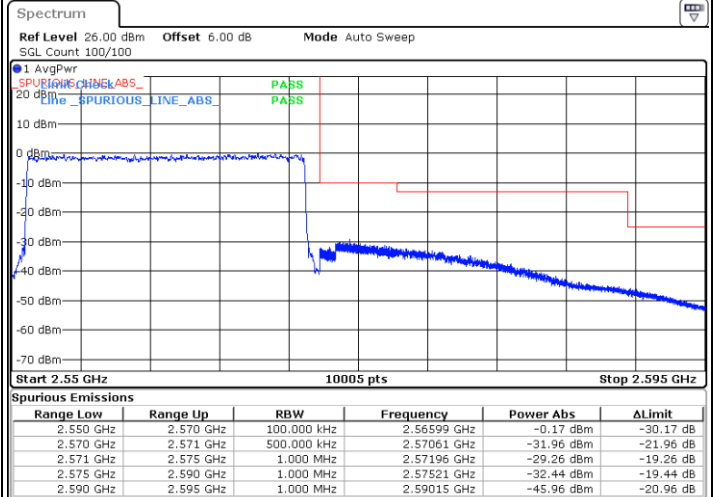
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



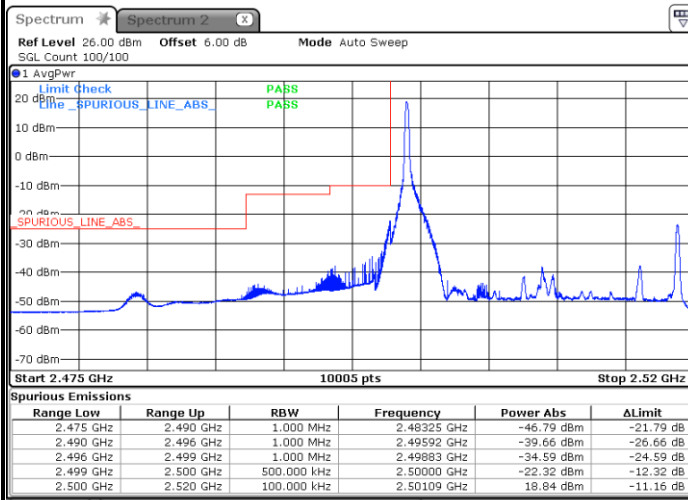
Highest Band Edge / Full RB



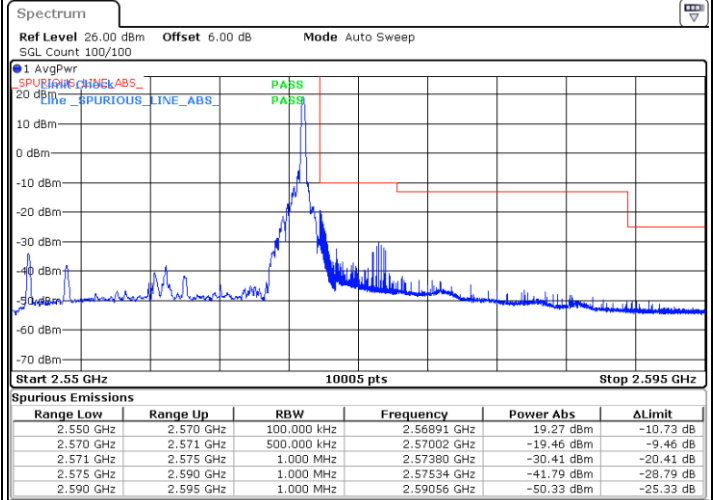


LTE Band 7 / 20MHz / 64QAM

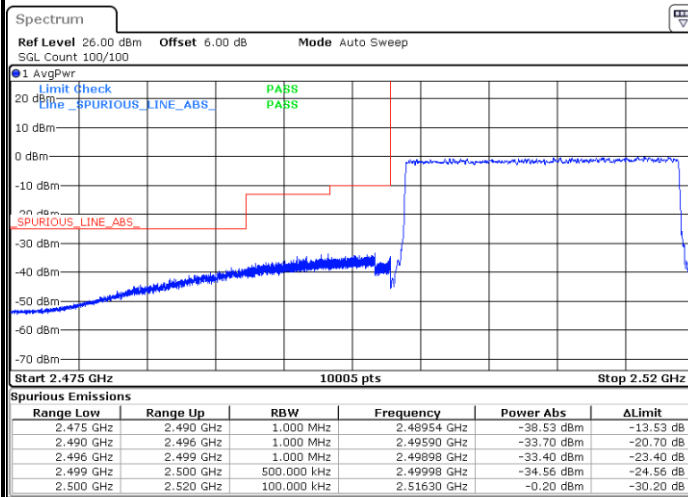
Lowest Band Edge / 1 RB



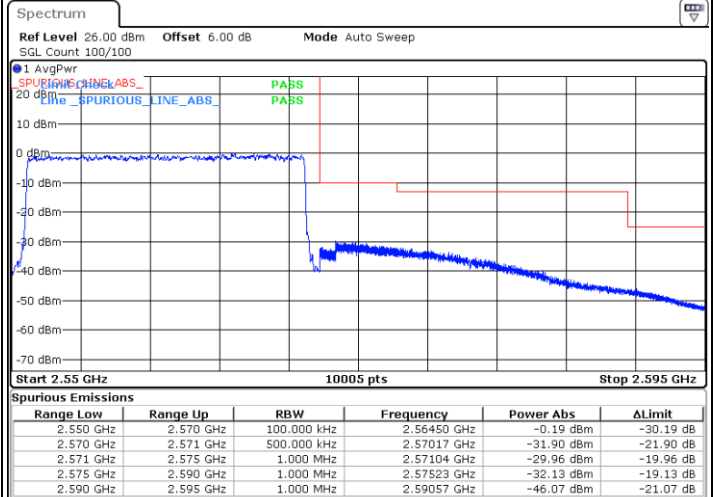
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

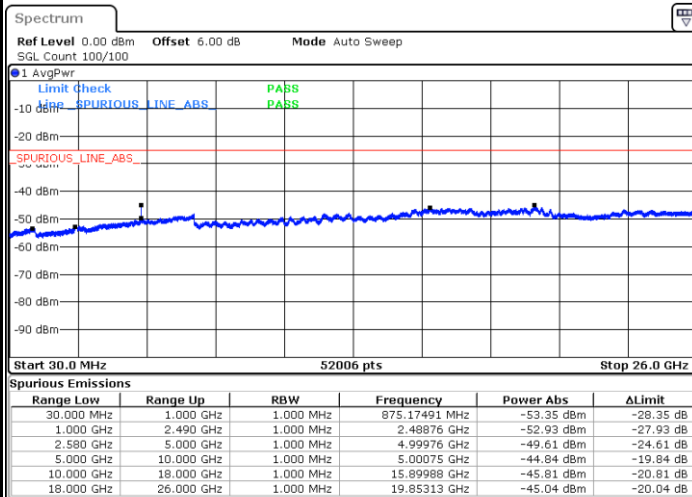




Conducted Spurious Emission

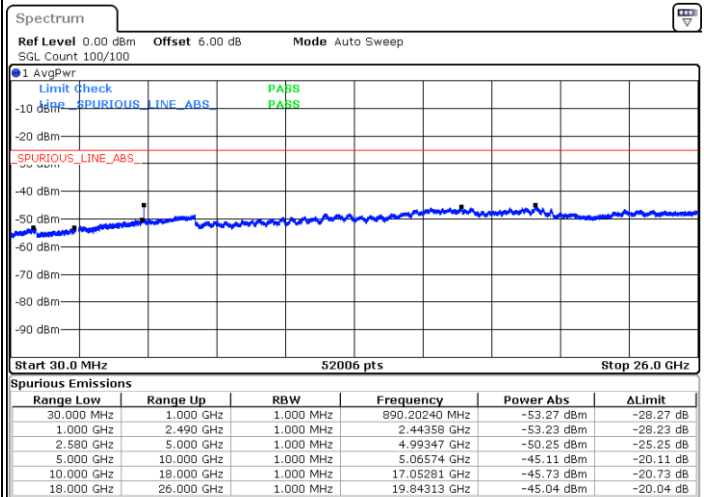
LTE Band 7 / 5MHz

Lowest Channel / QPSK



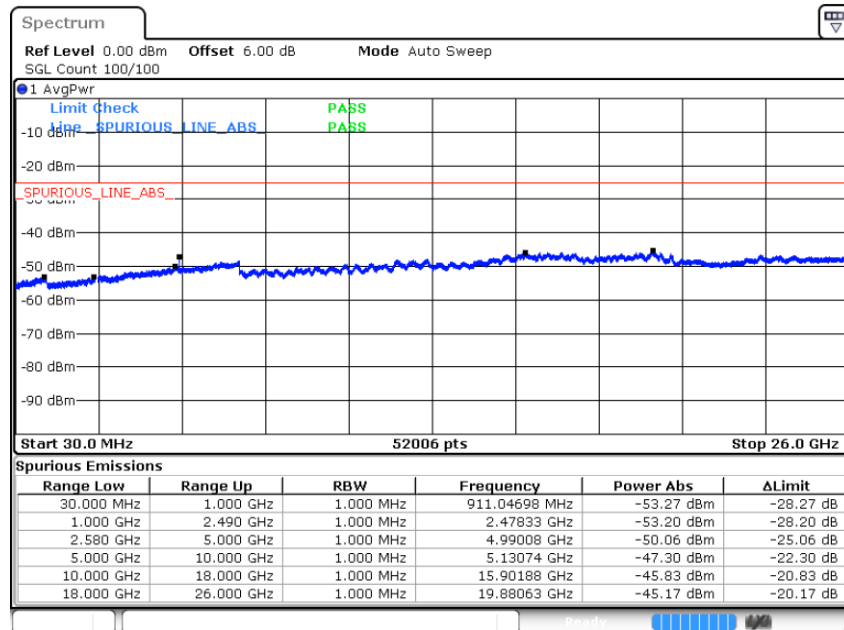
Date: 11.FEB.2021 07:59:23

Middle Channel / QPSK



Date: 11.FEB.2021 08:00:26

Highest Channel / QPSK

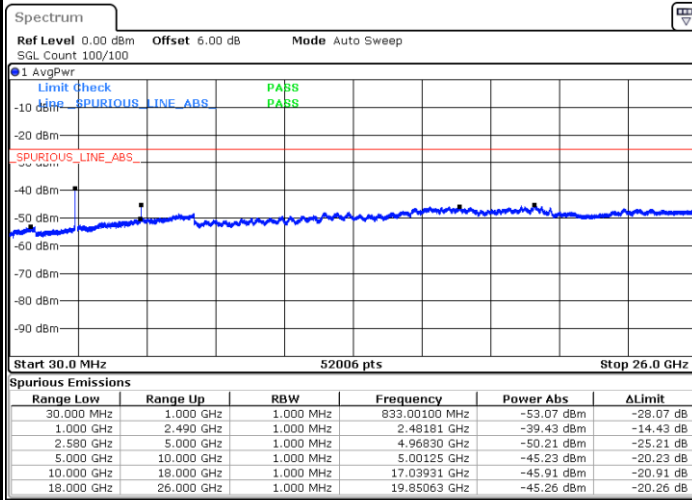


Date: 11.FEB.2021 08:01:16



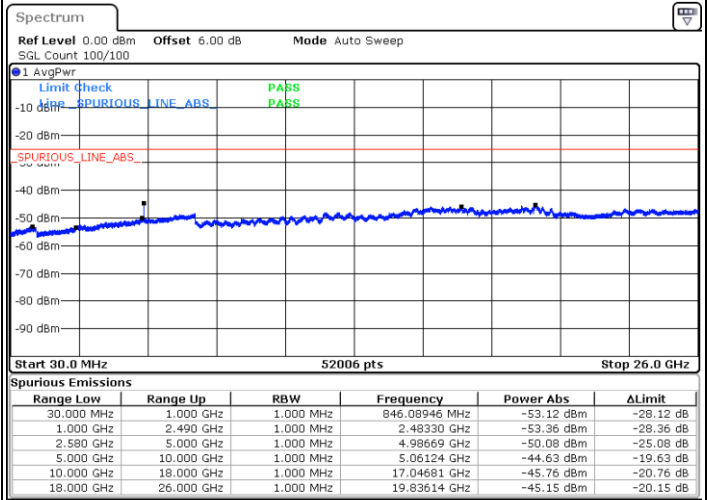
LTE Band 7 / 10MHz

Lowest Channel / QPSK



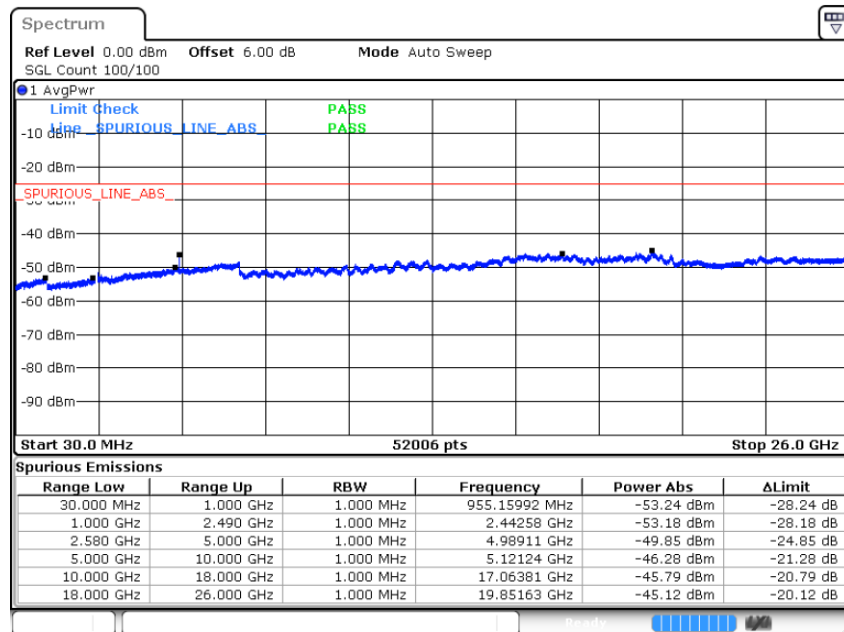
Date: 11.FEB.2021 08:02:26

Middle Channel / QPSK



Date: 11.FEB.2021 08:03:17

Highest Channel / QPSK

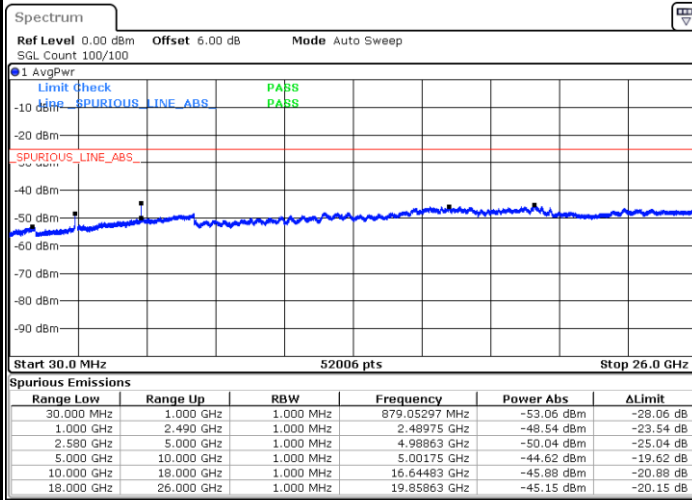


Date: 11.FEB.2021 08:04:09



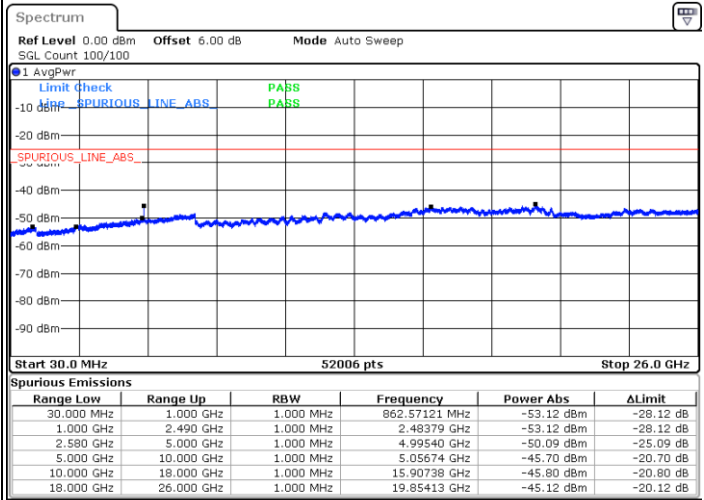
LTE Band 7 / 15MHz

Lowest Channel / QPSK



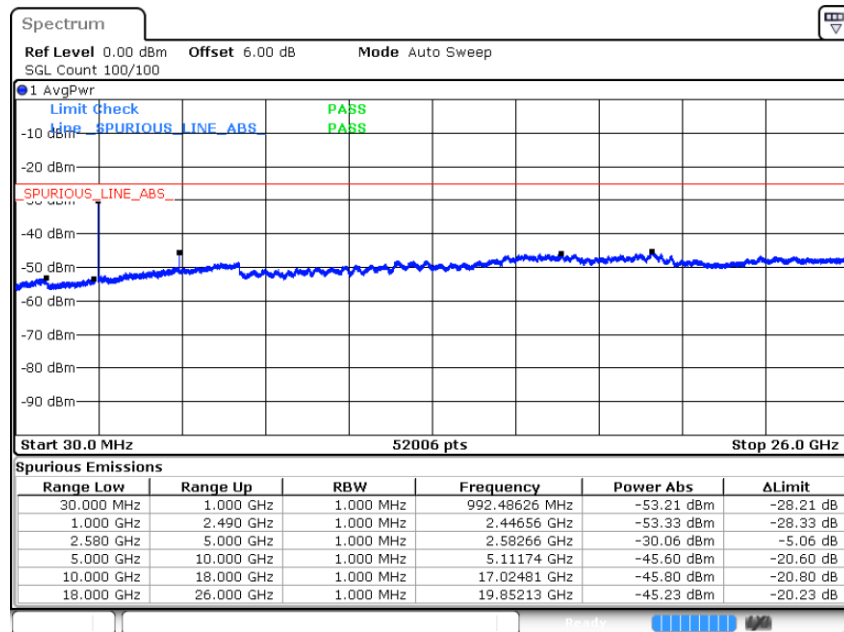
Date: 11.FEB.2021 08:05:28

Middle Channel / QPSK



Date: 11.FEB.2021 08:06:19

Highest Channel / QPSK

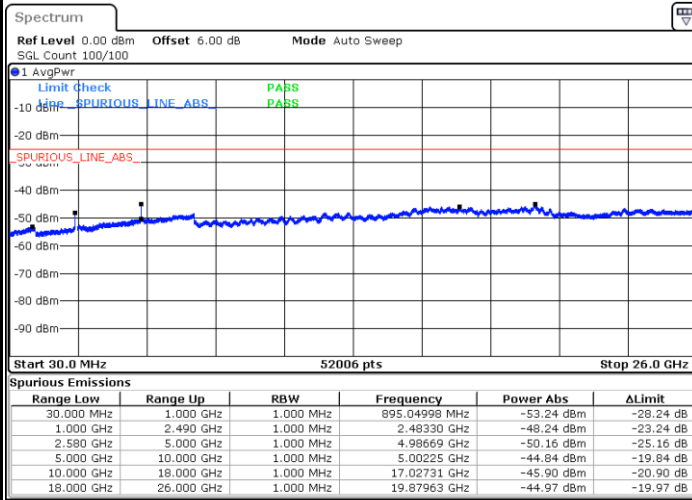


Date: 11.FEB.2021 08:07:10



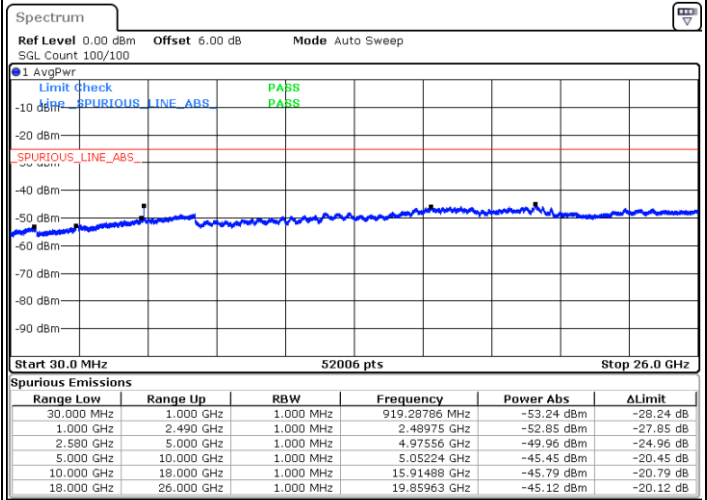
LTE Band 7 / 20MHz

Lowest Channel / QPSK



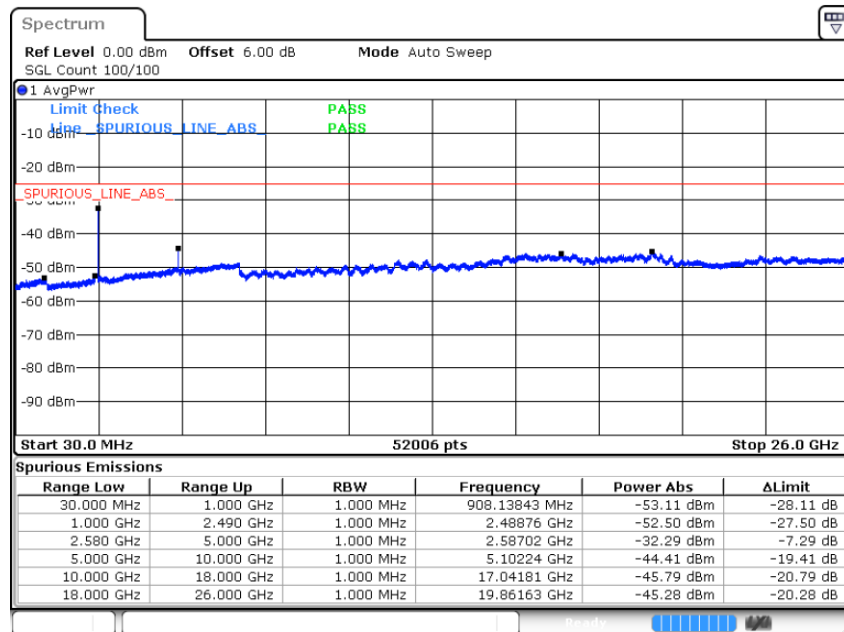
Date: 11.FEB.2021 08:08:25

Middle Channel / QPSK



Date: 11.FEB.2021 08:09:14

Highest Channel / QPSK



Date: 11.FEB.2021 08:10:06

**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	0.0015	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0000	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0000	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0016	
20	Battery End Point	0.0011	

Note:

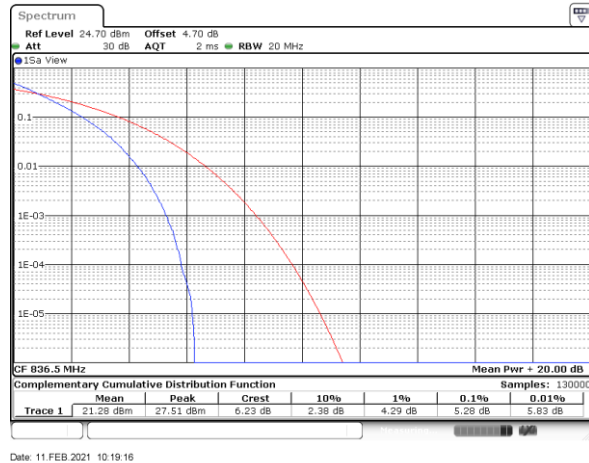
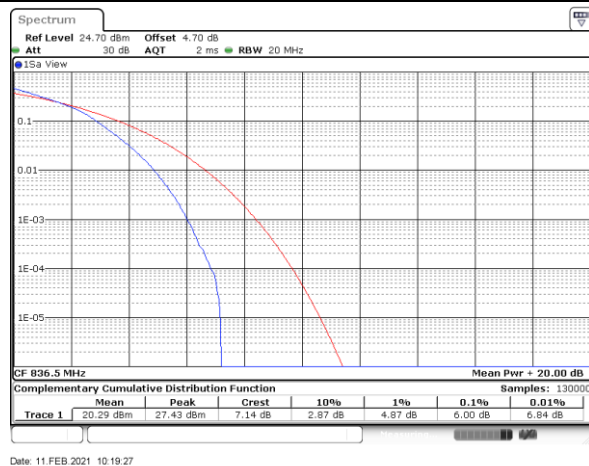
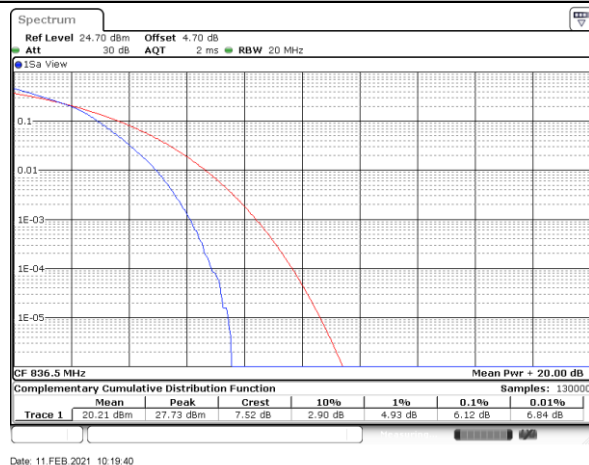
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 26

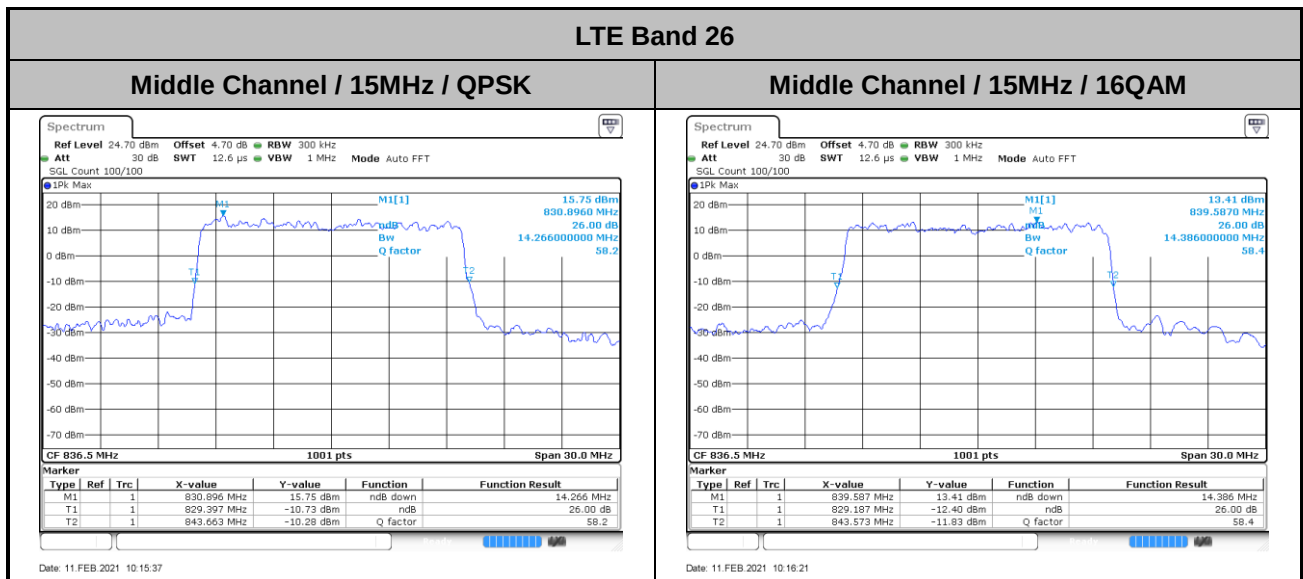
Peak-to-Average Ratio

Mode	LTE Band 26 / 15MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.28	6.00	6.12	PASS

LTE Band 26 / 15MHz
Middle Channel / Full RB/ QPSK

Middle Channel / Full RB/ 16QAM

Middle Channel / Full RB/ 64QAM


**26dB Bandwidth**

Mode	LTE Band 26 : 26dB BW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.27	14.39



**Occupied Bandwidth**

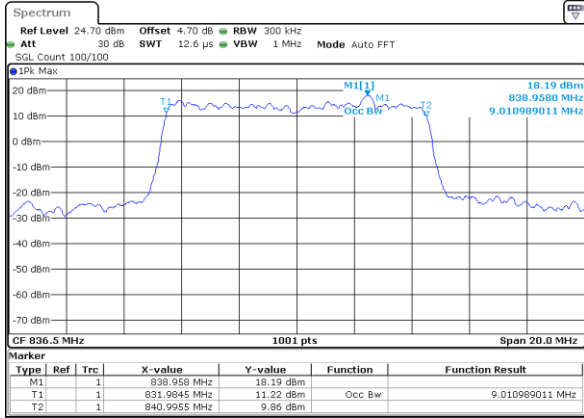
Mode	LTE Band 26 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.01	8.97

Mode	LTE Band 26 : 99%OBW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.43	13.43
CH26765	13.43	13.43



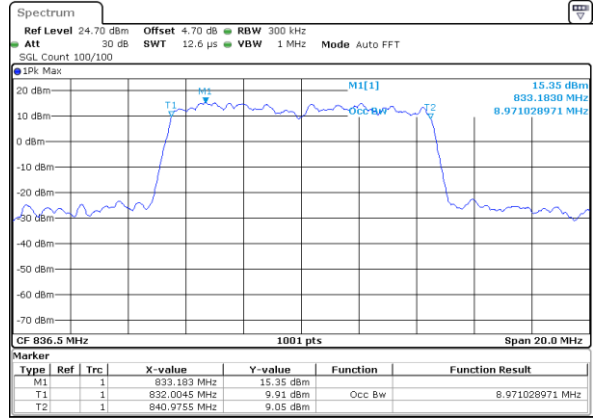
LTE Band 26

Middle Channel / 10MHz / QPSK



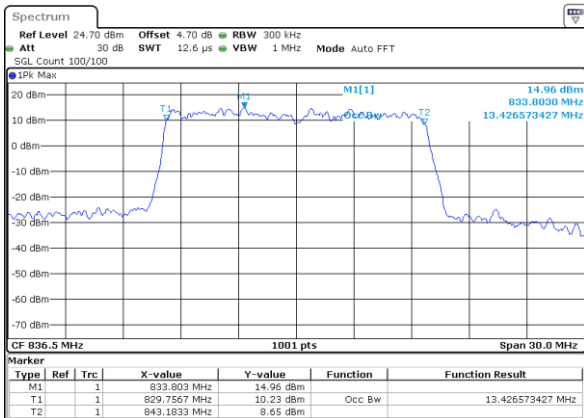
Date: 24.FEB.2021 08:26:29

Middle Channel / 10MHz / 16QAM



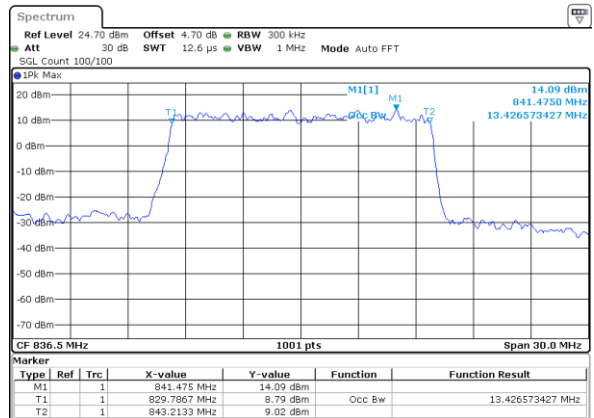
Date: 24.FEB.2021 08:27:10

Middle Channel / 15MHz / QPSK



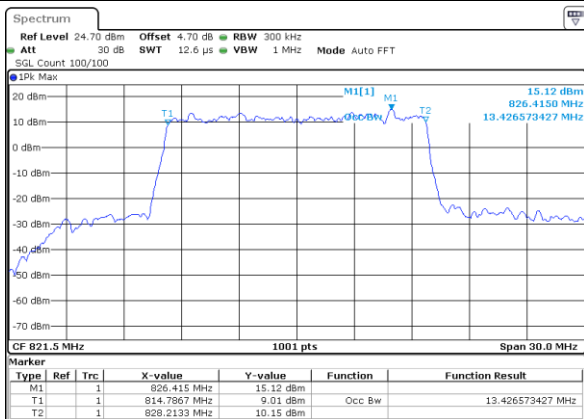
Date: 11.FEB.2021 10:14:50

Middle Channel / 15MHz / 16QAM



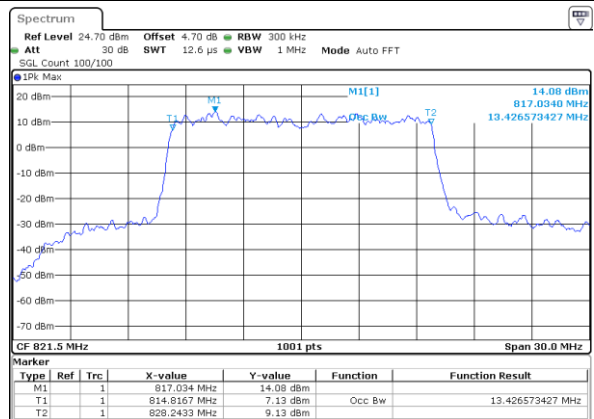
Date: 11.FEB.2021 10:15:57

Channel 26765 / 15MHz / QPSK



Date: 15.FEB.2021 08:52:44

Channel 26765 / 15MHz / 16QAM



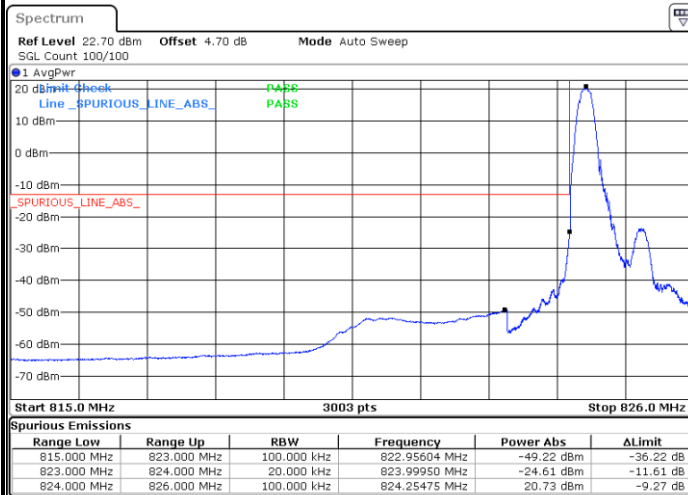
Date: 15.FEB.2021 08:53:12



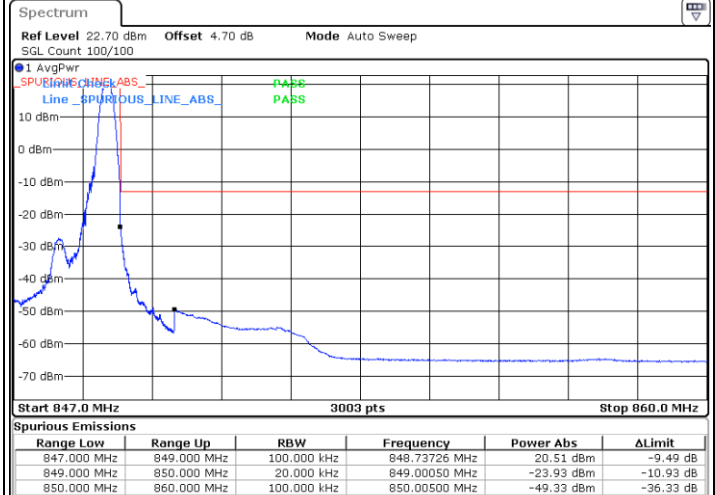
Conducted Band Edge

LTE Band 26 / 1.4MHz / QPSK

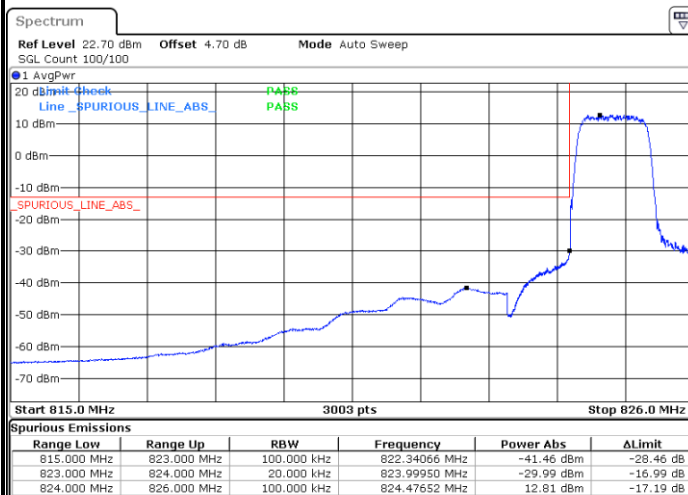
Lowest Band Edge / 1RB



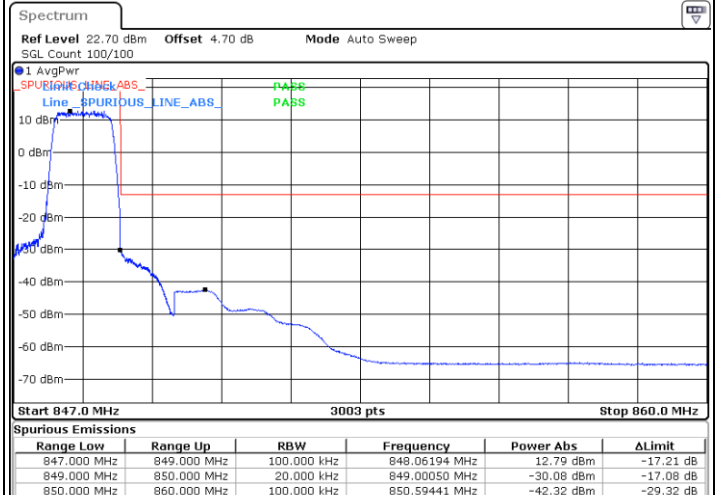
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



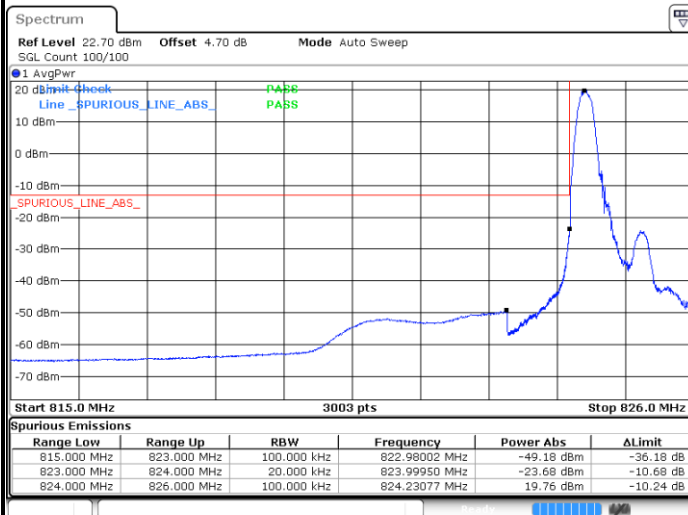
Highest Band Edge / Full RB



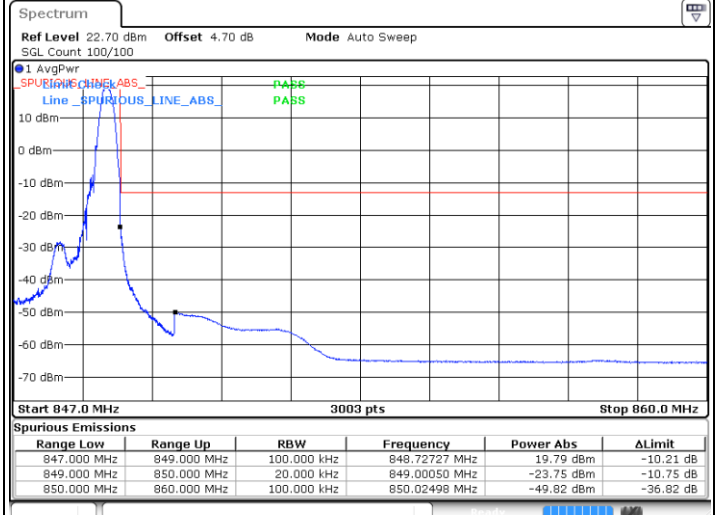


LTE Band 26 / 1.4MHz / 16QAM

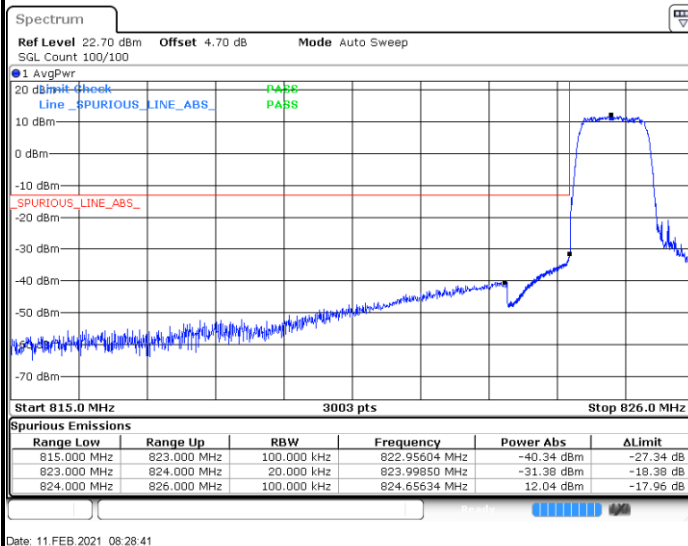
Lowest Band Edge / 1 RB



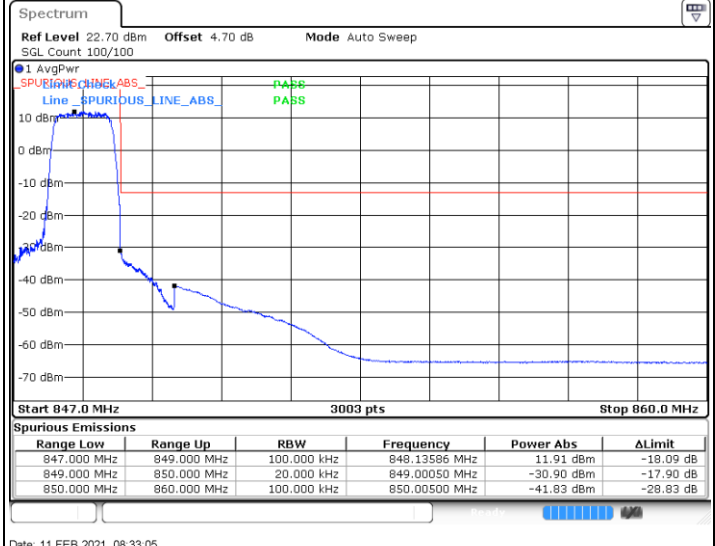
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



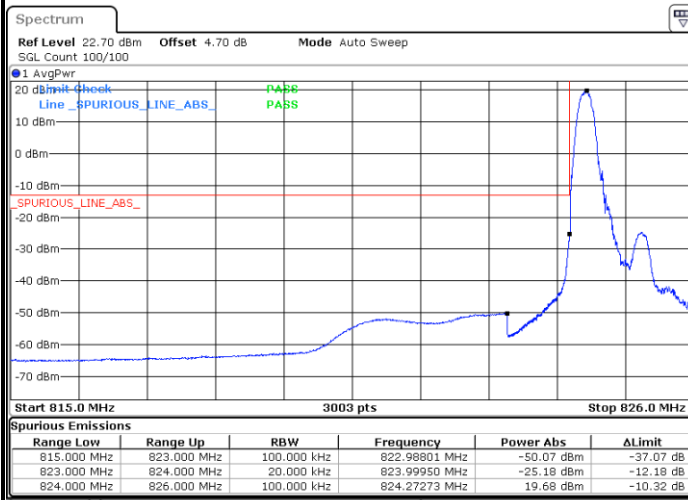
Highest Band Edge / Full RB



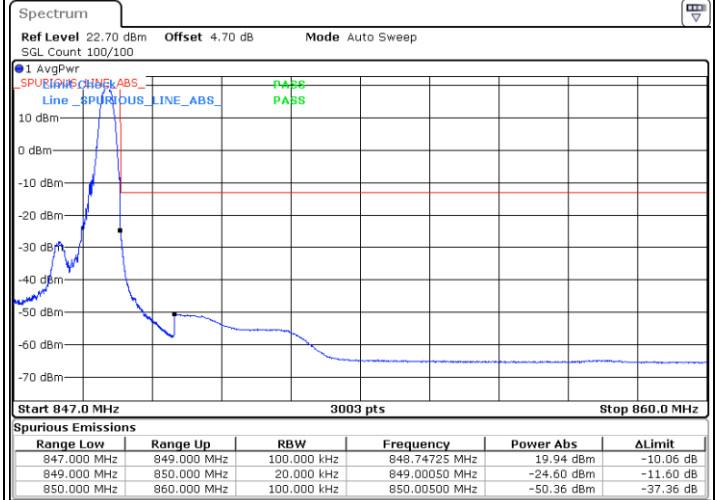


LTE Band 26 / 1.4MHz / 64QAM

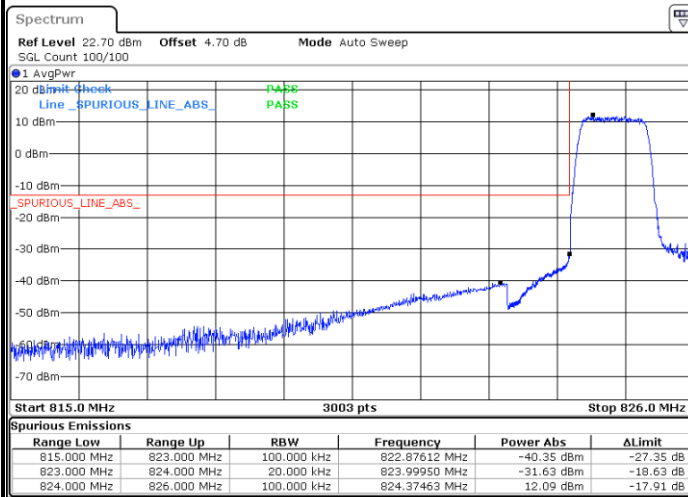
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



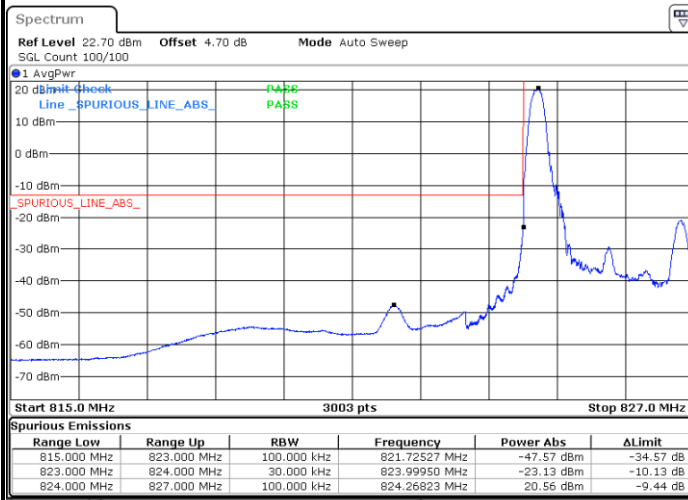
Highest Band Edge / Full RB



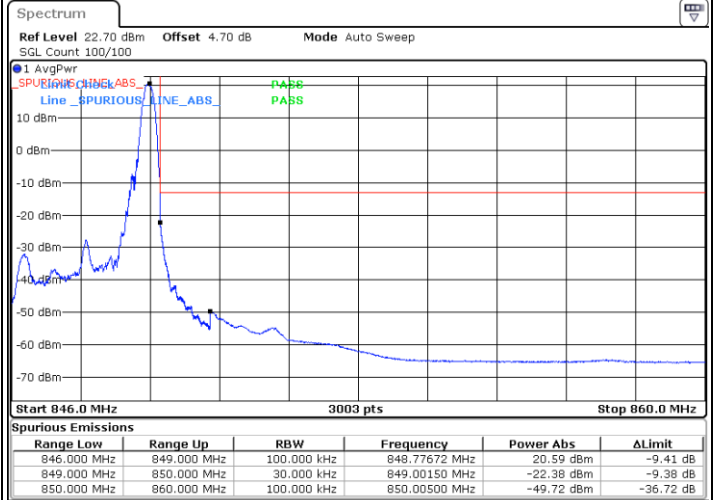


LTE Band 26 / 3MHz / QPSK

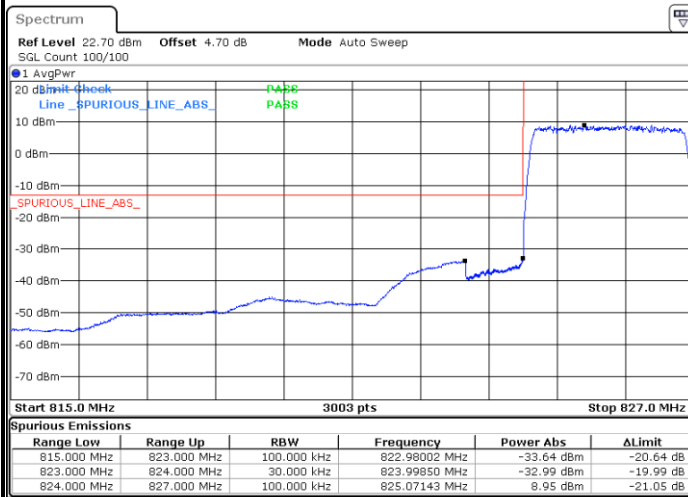
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

