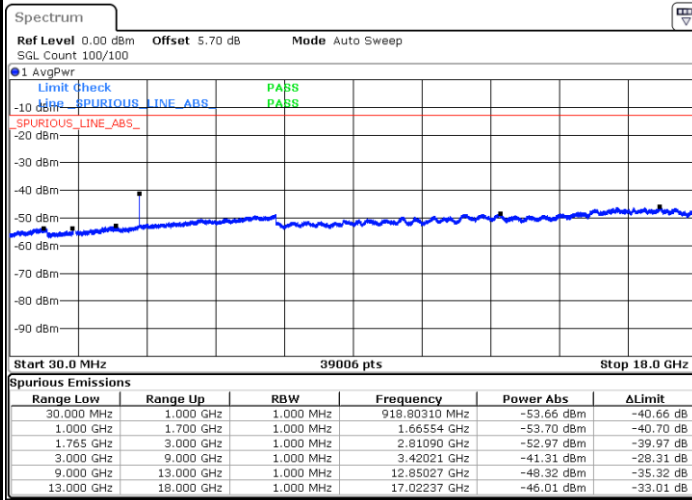




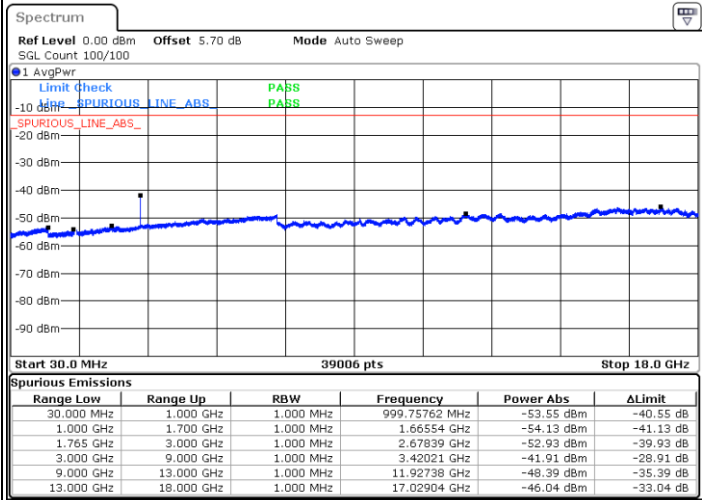
LTE Band 4 / 3MHz

Lowest Channel / QPSK



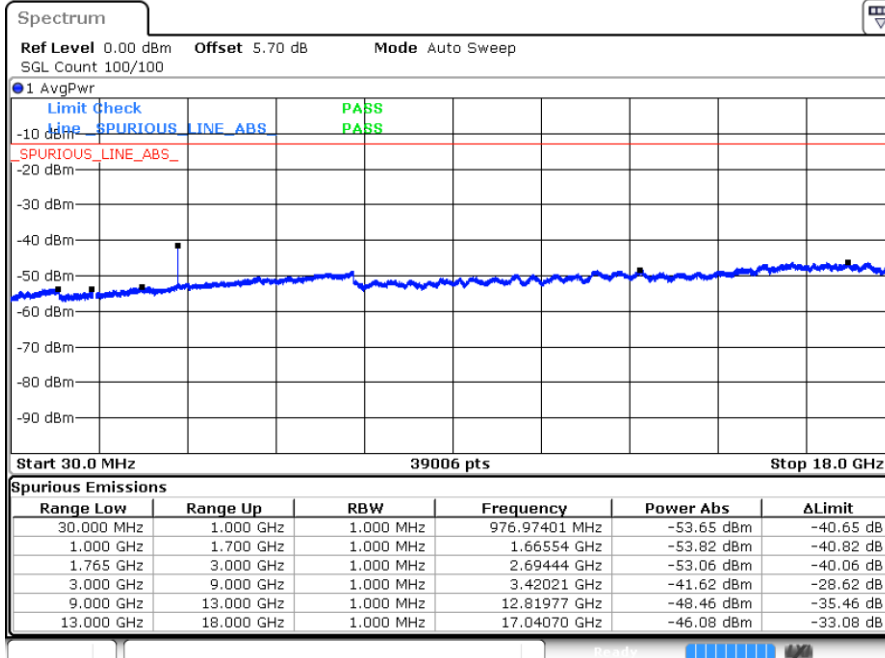
Date: 12 APR 2021 19:31:03

Middle Channel / QPSK



Date: 12 APR 2021 19:31:46

Highest Channel / QPSK

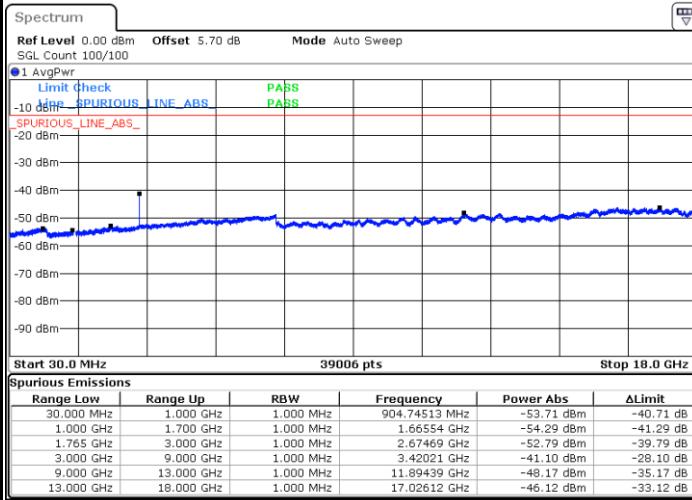


Date: 12 APR 2021 19:32:28



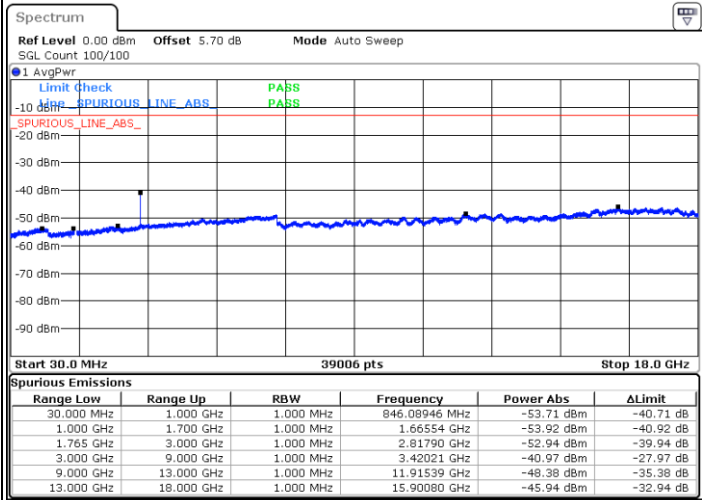
LTE Band 4 / 5MHz

Lowest Channel / QPSK



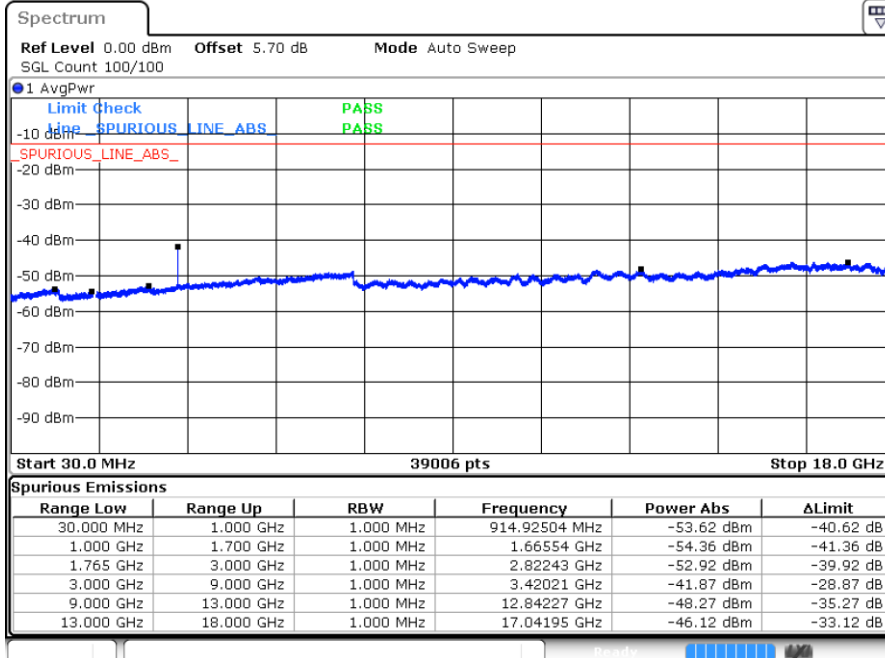
Date: 12 APR 2021 19:33:16

Middle Channel / QPSK



Date: 12 APR 2021 19:34:08

Highest Channel / QPSK

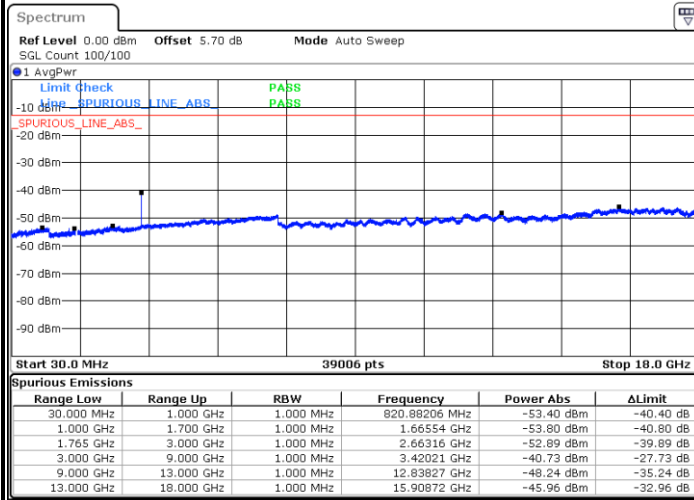


Date: 12 APR 2021 19:35:02



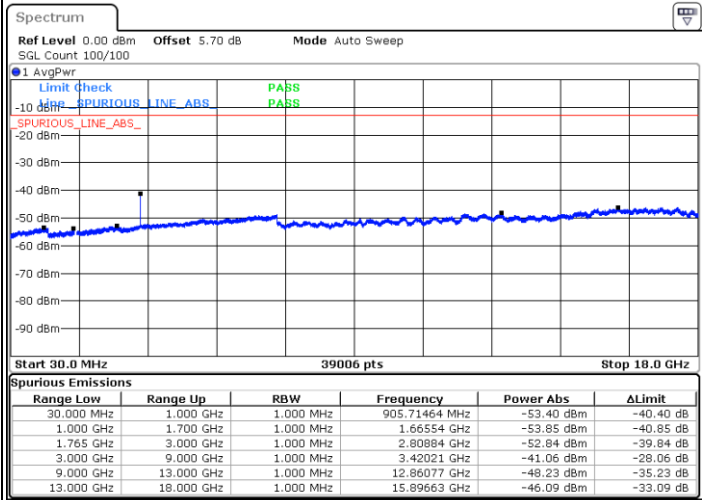
LTE Band 4 / 10MHz

Lowest Channel / QPSK



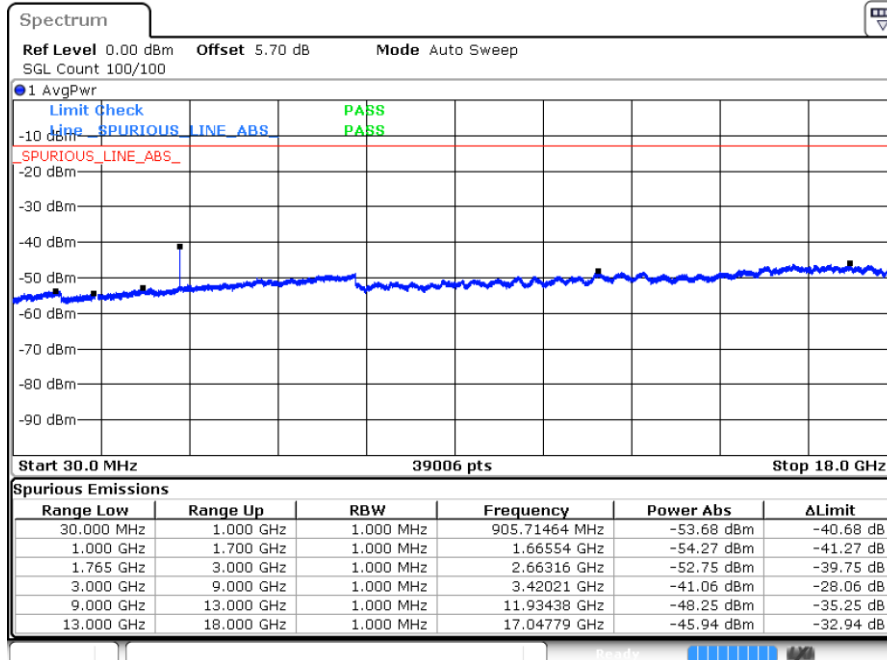
Date: 12 APR 2021 19:35:52

Middle Channel / QPSK



Date: 12 APR 2021 19:36:36

Highest Channel / QPSK

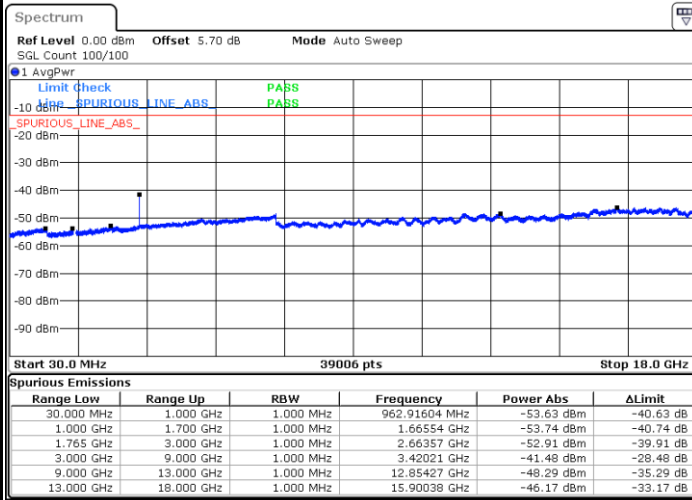


Date: 12 APR 2021 19:37:15



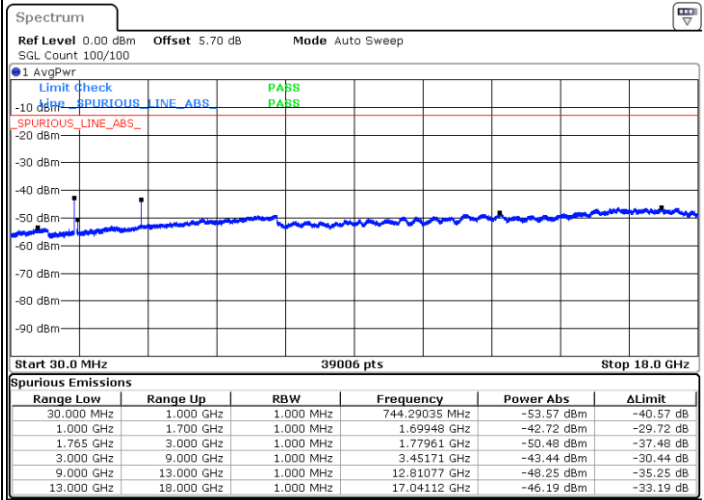
LTE Band 4 / 15MHz

Lowest Channel / QPSK



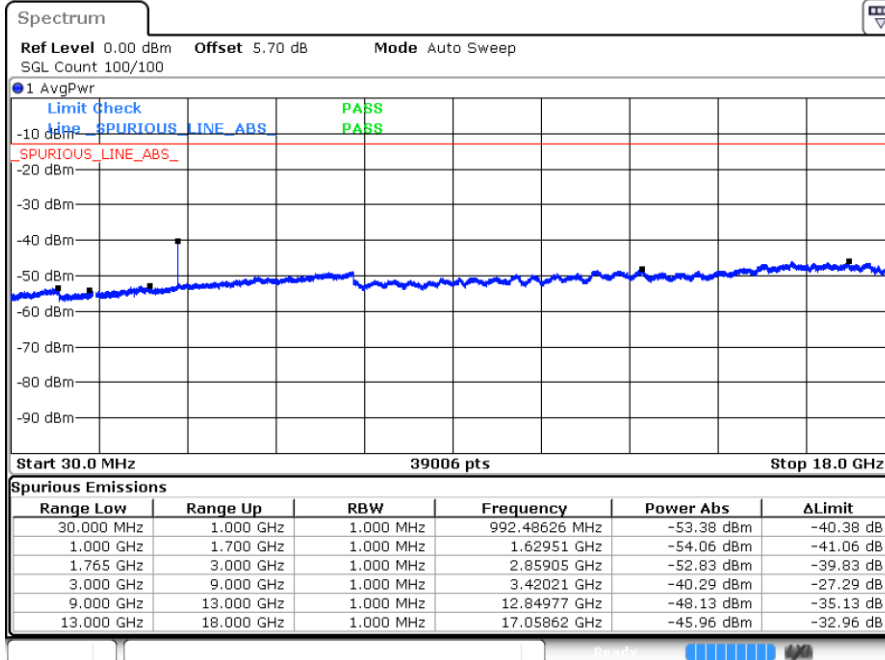
Date: 12 APR 2021 19:38:08

Middle Channel / QPSK



Date: 12 APR 2021 18:00:15

Highest Channel / QPSK

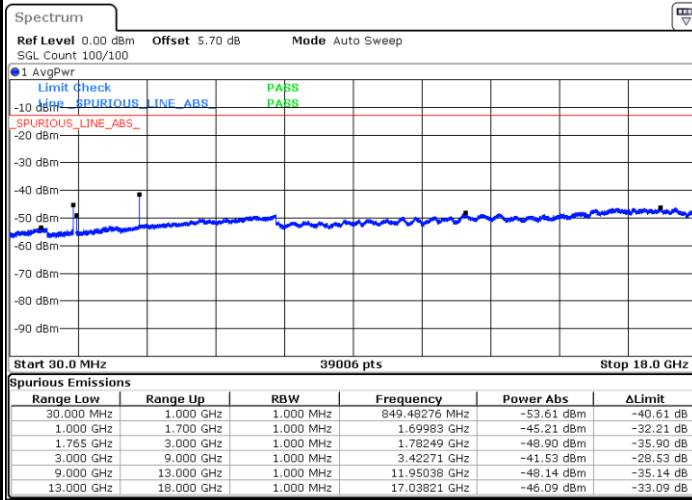


Date: 12 APR 2021 19:38:52



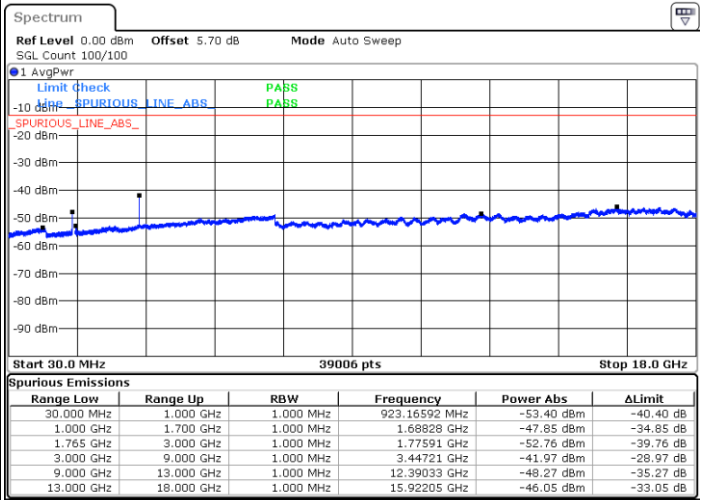
LTE Band 4 / 20MHz

Lowest Channel / QPSK



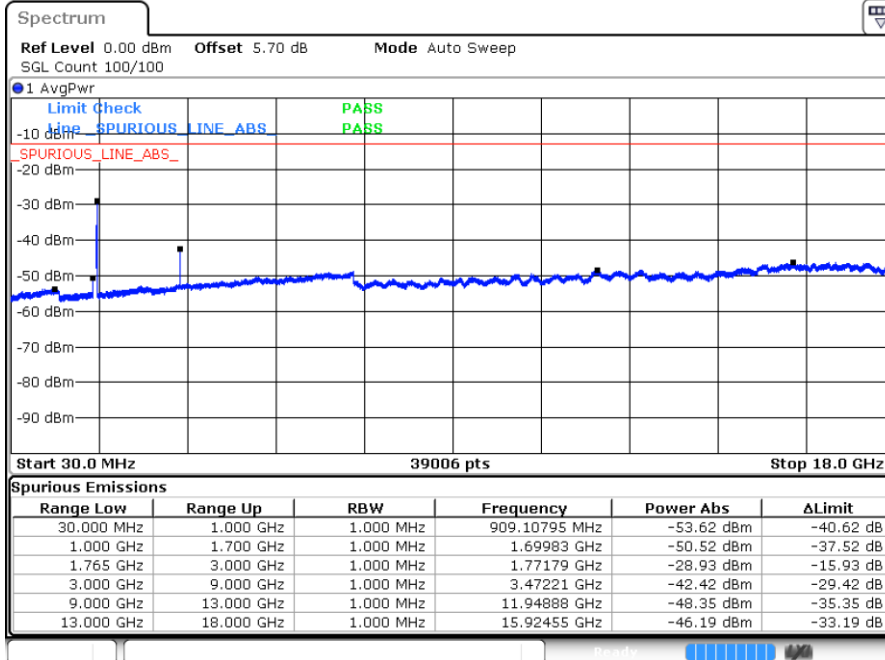
Date: 12 APR 2021 17:59:21

Middle Channel / QPSK



Date: 12 APR 2021 17:51:09

Highest Channel / QPSK



Date: 12 APR 2021 17:57:30

Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0019	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0022	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0031	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0014	
20	Battery End Point	0.0009	

Note:

1. Normal Voltage =4.2 V. ; Battery End Point (BEP) =3.8 V. ; Maximum Voltage =4.43 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7

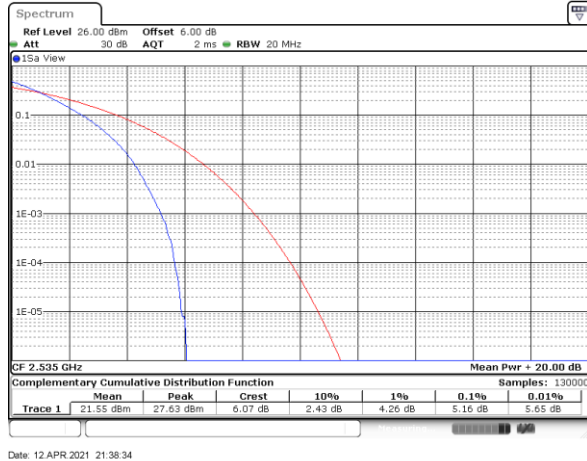
Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.16	6.09	6.38	PASS

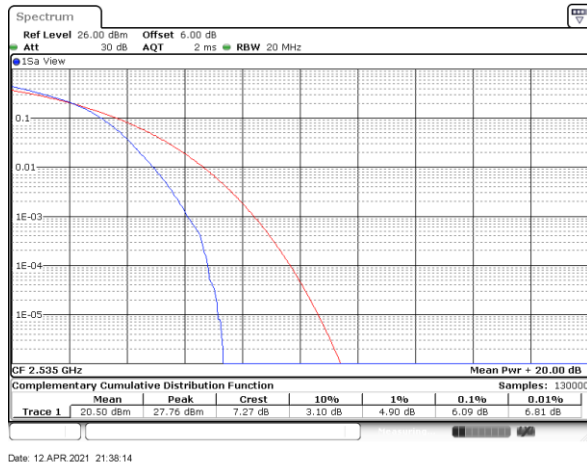


LTE Band 7 / 20MHz

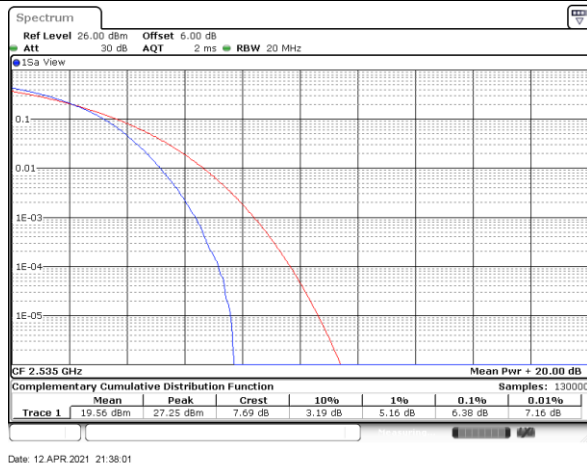
Middle Channel / Full RB/ QPSK



Middle Channel / Full RB/ 16QAM

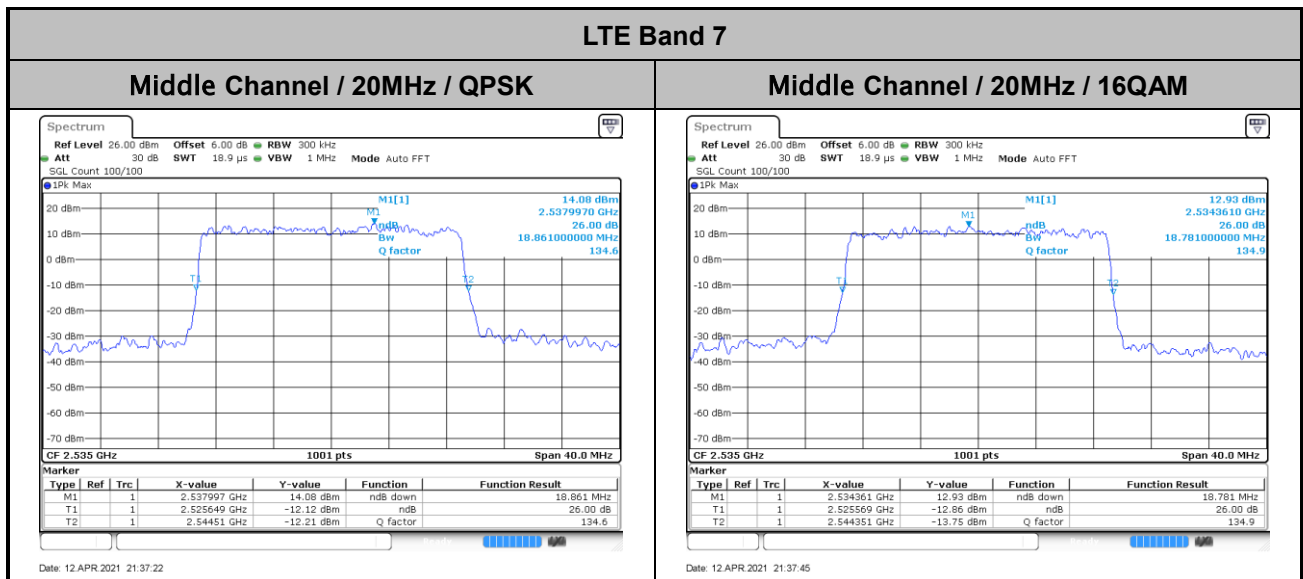


Middle Channel / Full RB/ 64QAM



**26dB Bandwidth**

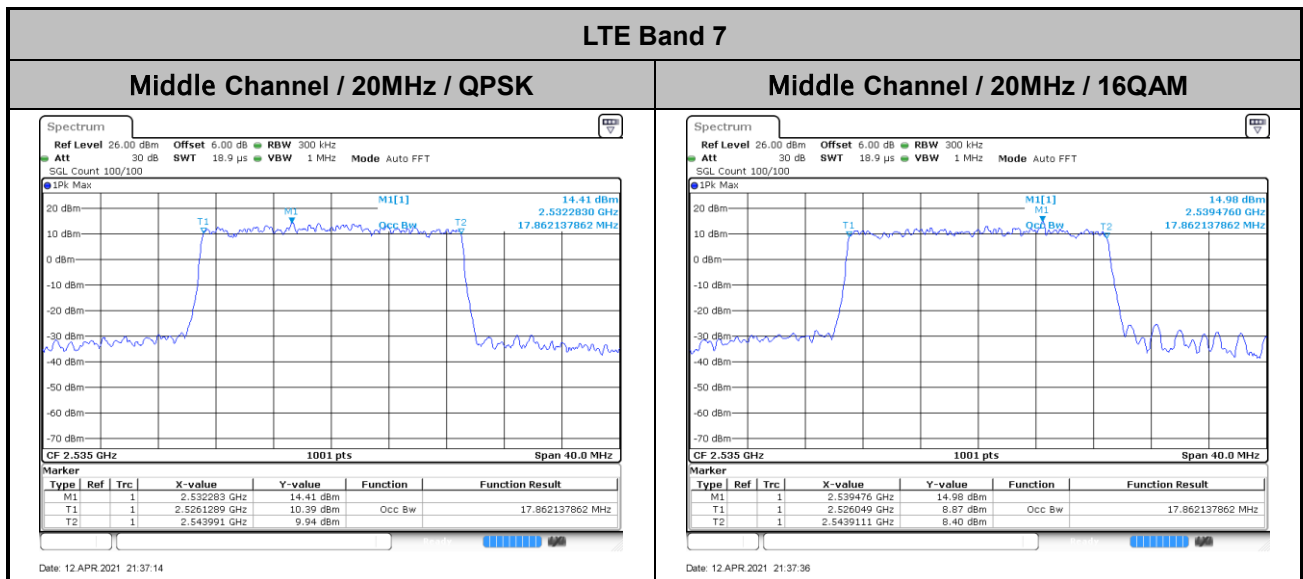
Mode	LTE Band 7 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.86	18.78





Occupied Bandwidth

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



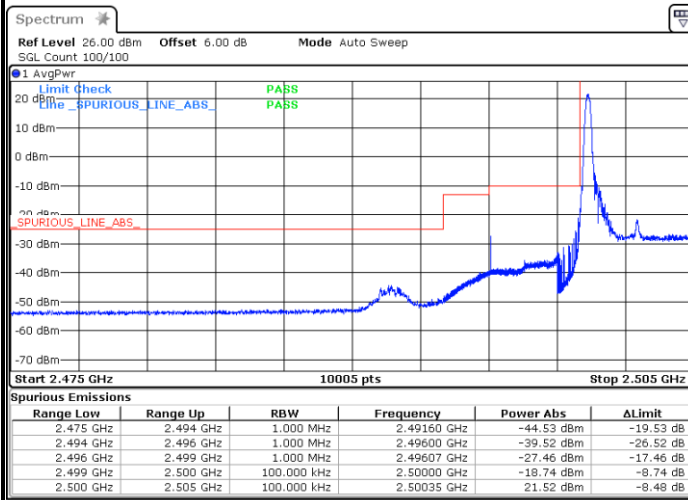


Conducted Band Edge

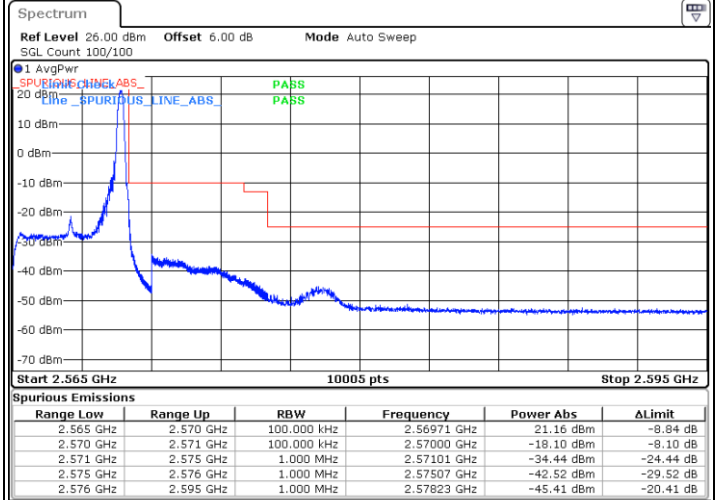


LTE Band 7 / 5MHz / QPSK

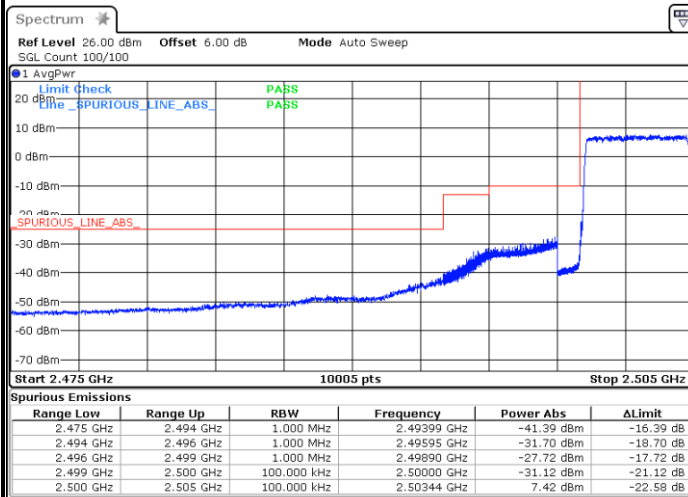
Lowest Band Edge / 1 RB



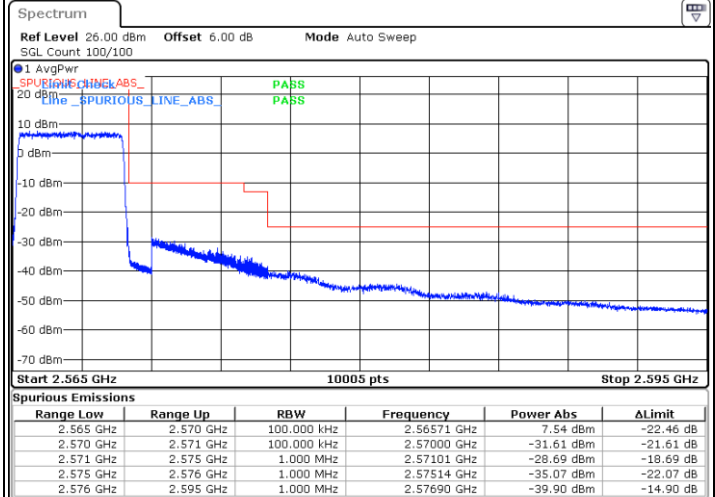
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



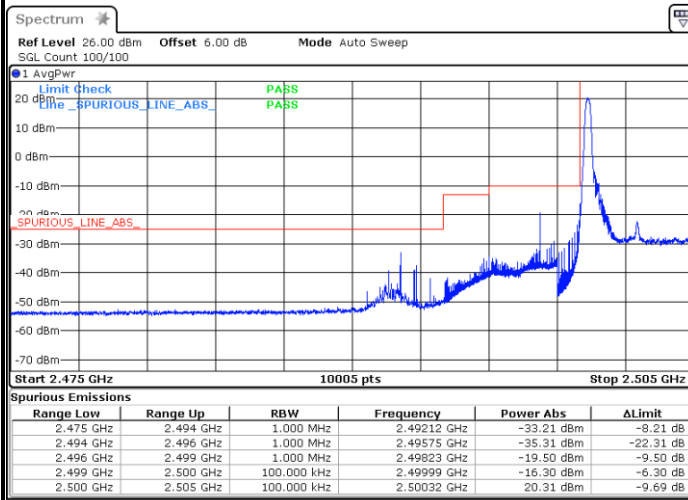
Highest Band Edge / Full RB



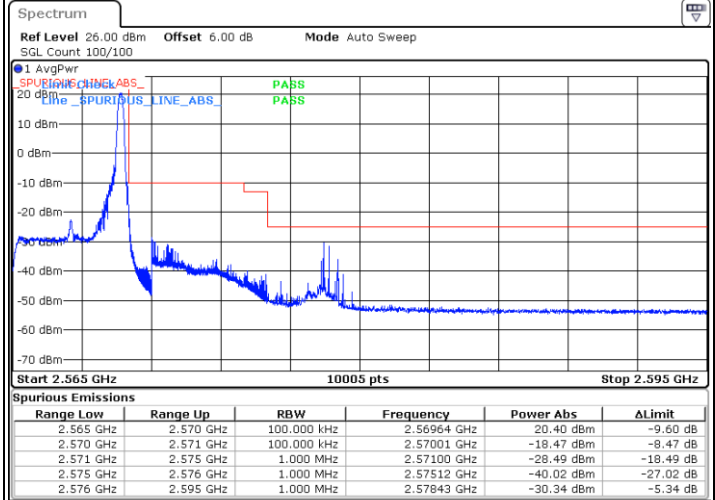


LTE Band 7 / 5MHz / 16QAM

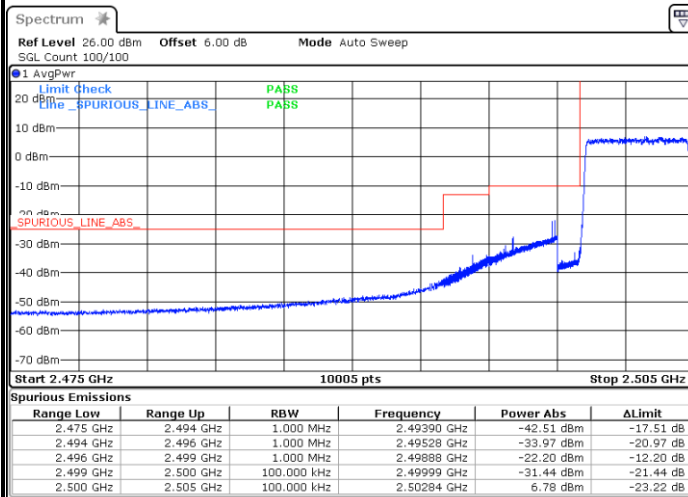
Lowest Band Edge / 1RB



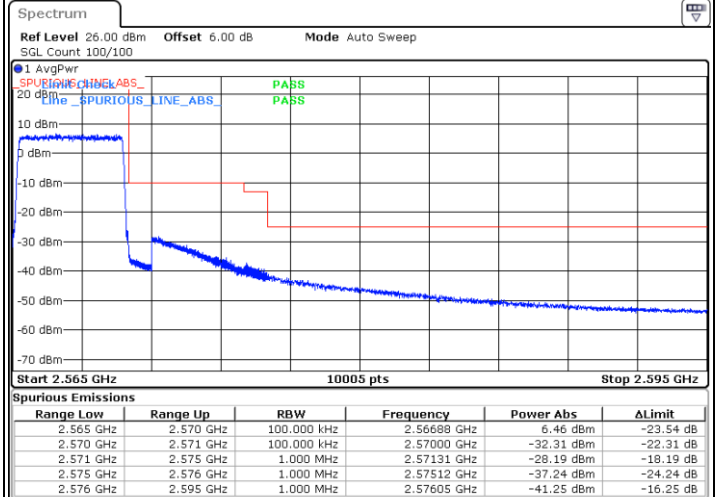
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



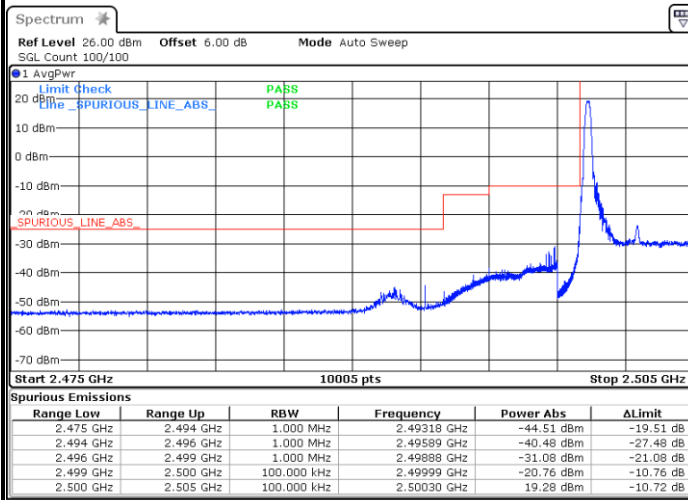
Highest Band Edge / Full RB



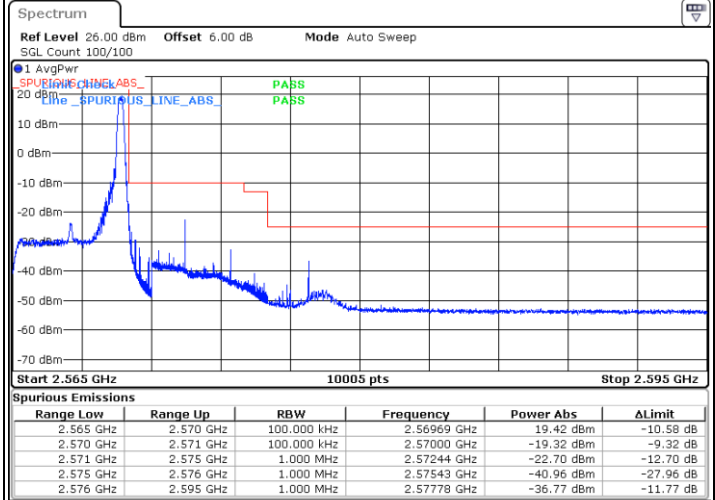


LTE Band 7 / 5MHz / 64QAM

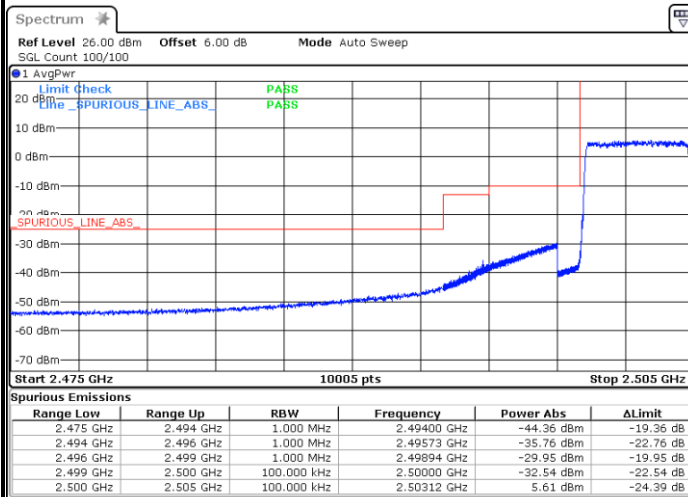
Lowest Band Edge / 1RB



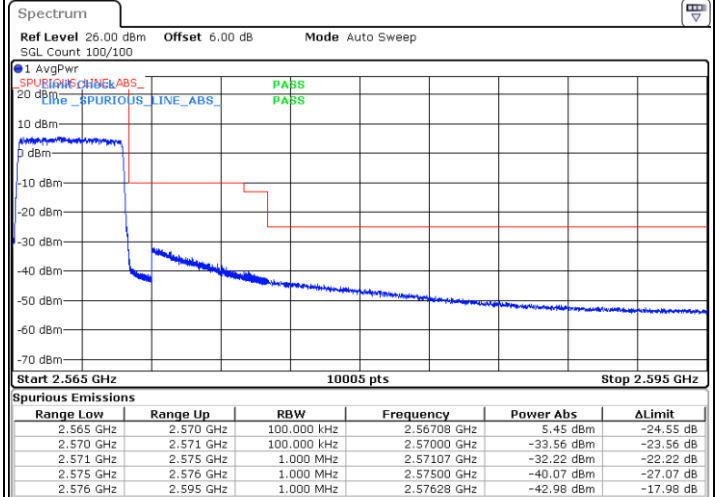
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



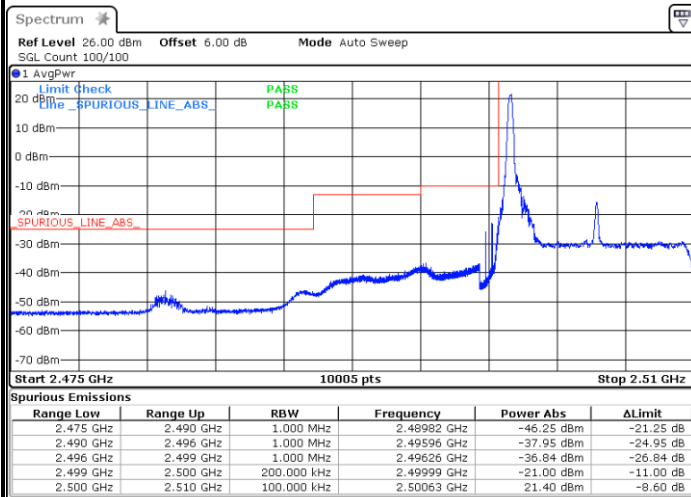
Highest Band Edge / Full RB



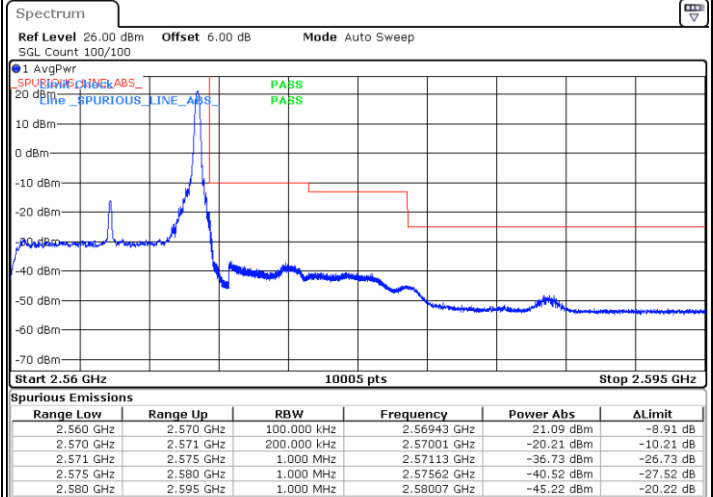


LTE Band 7 / 10MHz / QPSK

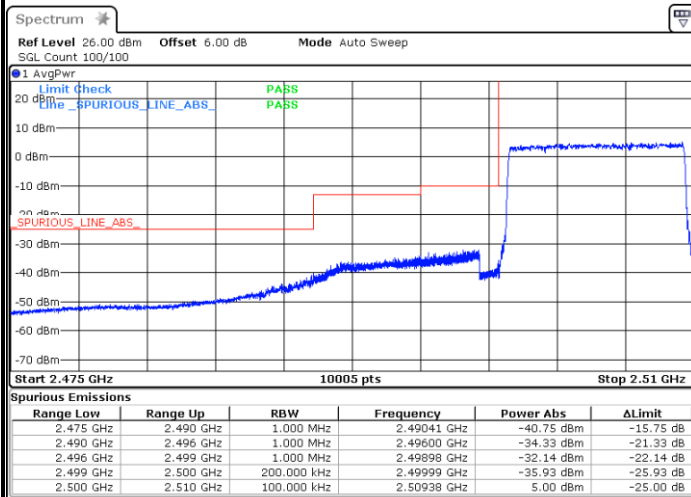
Lowest Band Edge / 1 RB



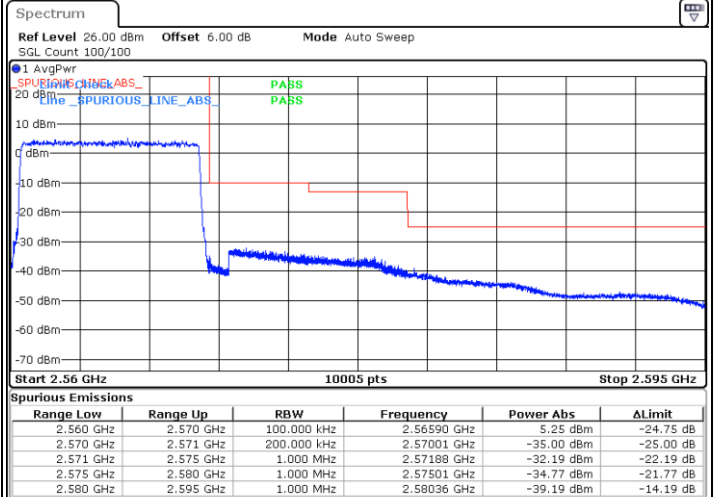
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



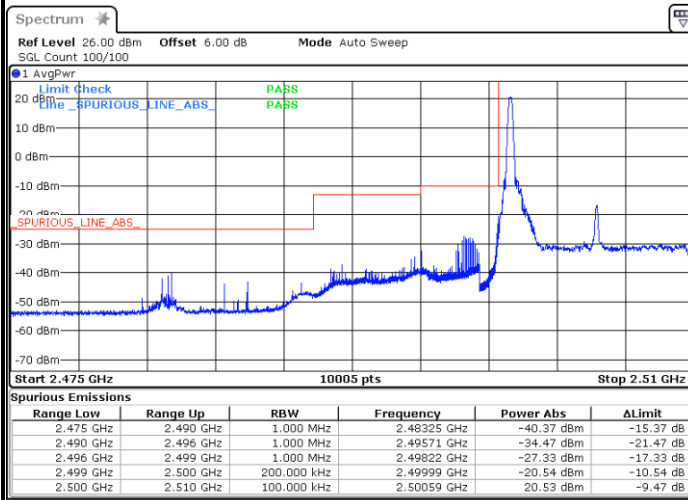
Highest Band Edge / Full RB



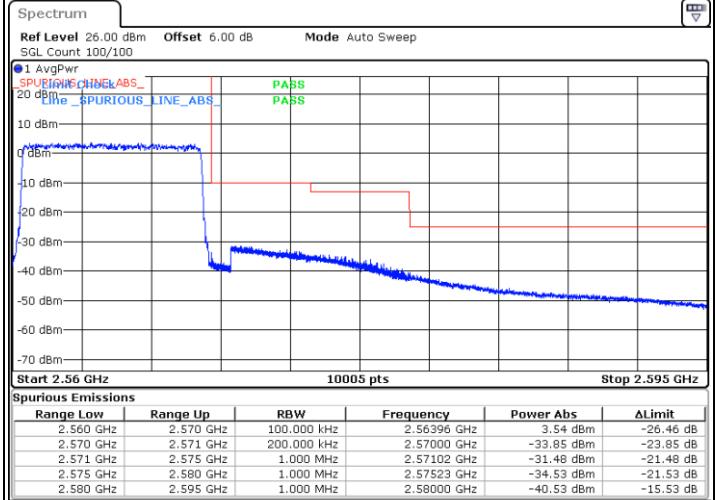


LTE Band 7 / 10MHz / 16QAM

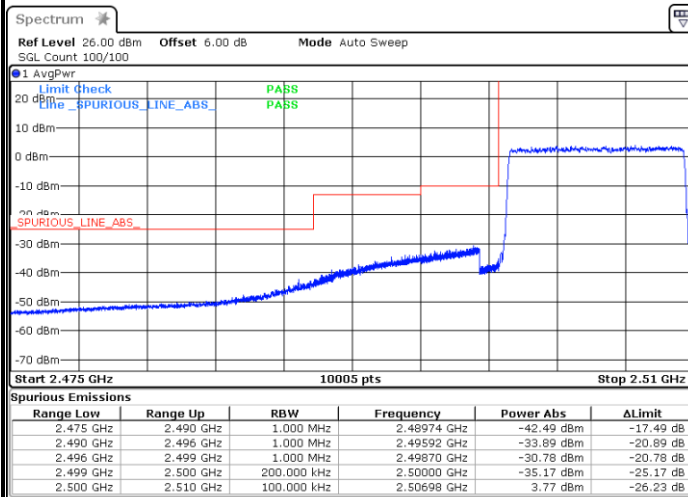
Lowest Band Edge / 1 RB



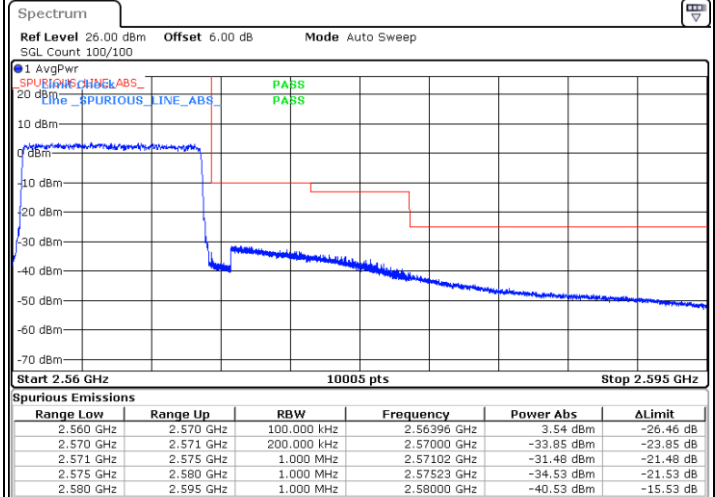
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



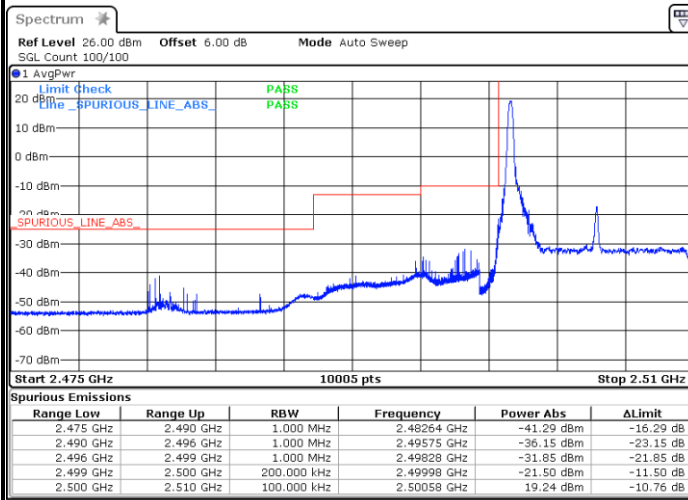
Highest Band Edge / Full RB



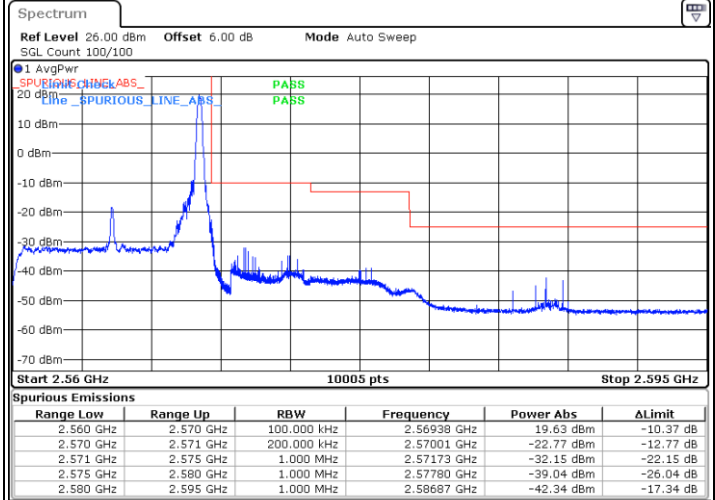


LTE Band 7 / 10MHz / 64QAM

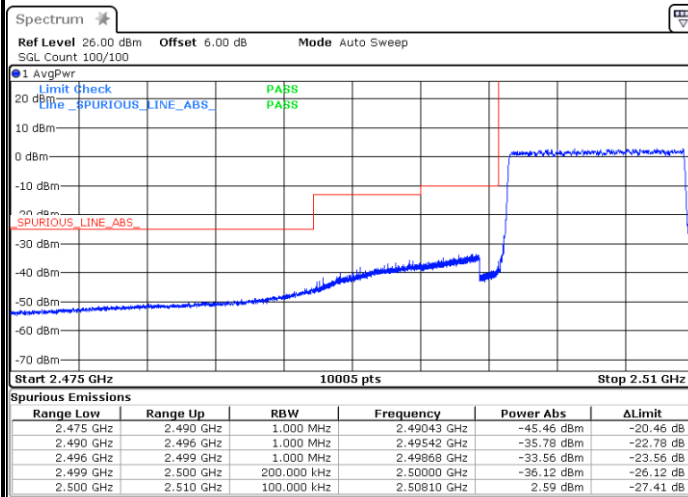
Lowest Band Edge / 1 RB



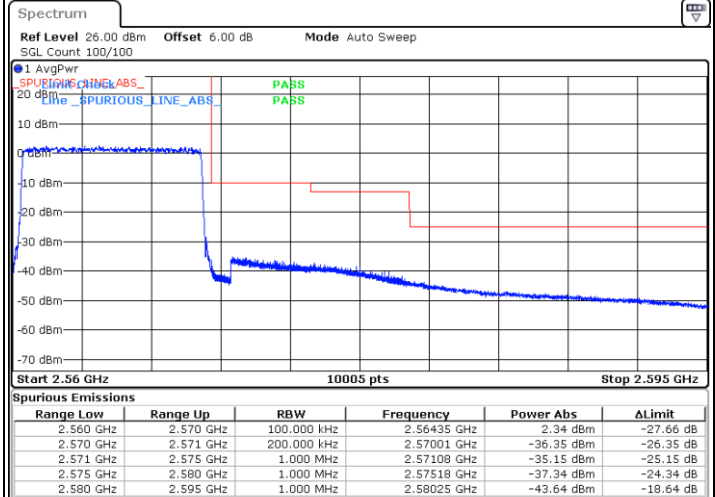
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



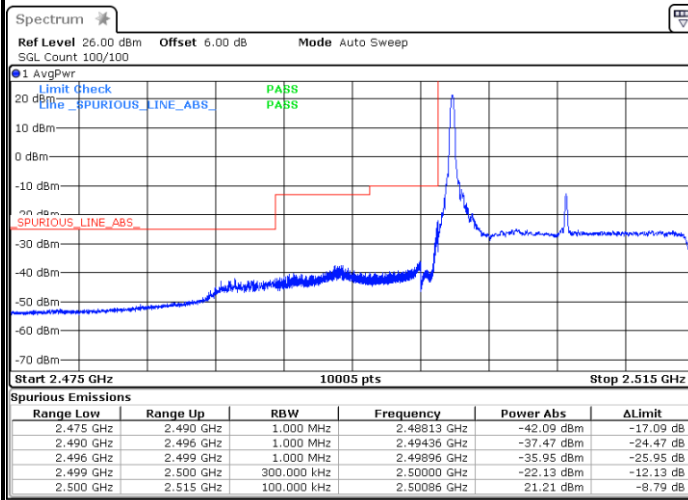
Highest Band Edge / Full RB



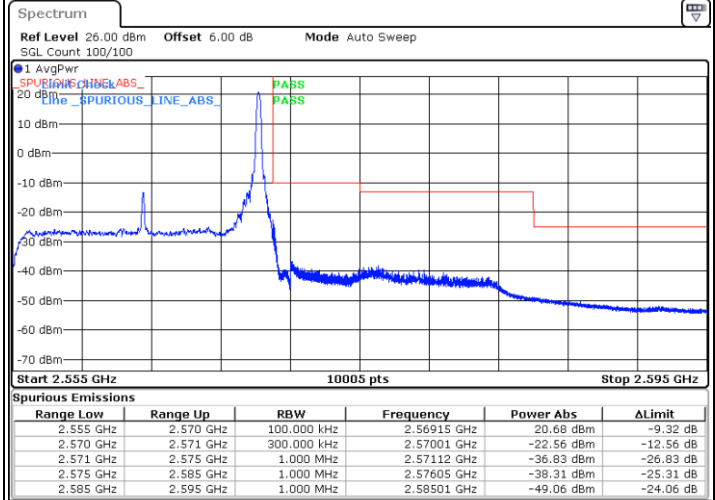


LTE Band 7 / 15MHz / QPSK

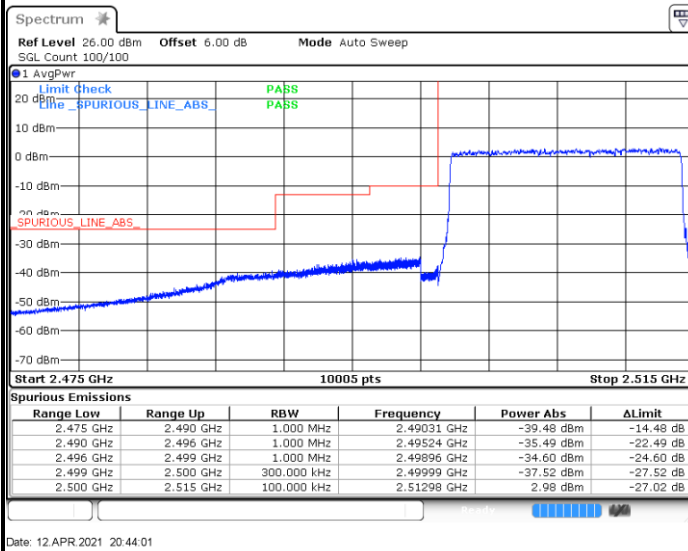
Lowest Band Edge / 1 RB



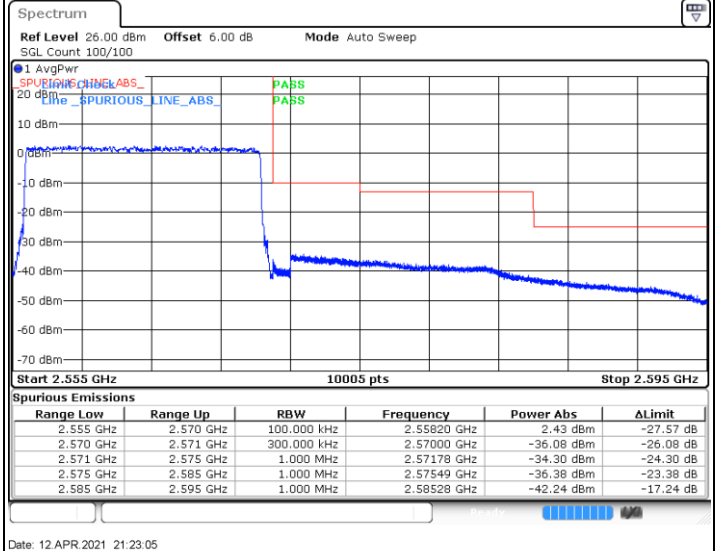
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



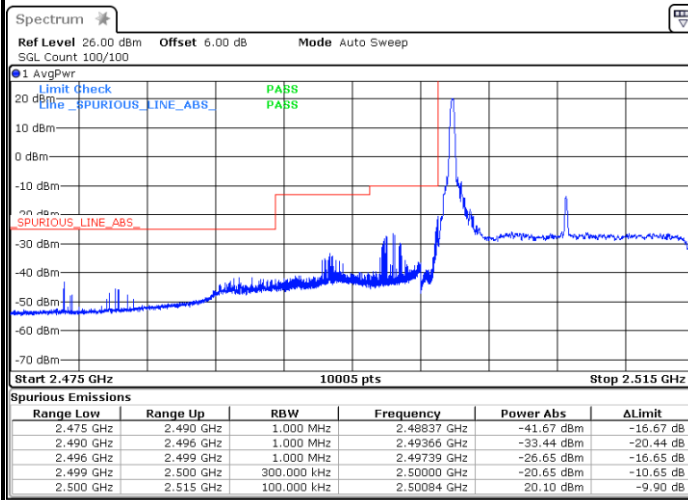
Highest Band Edge / Full RB



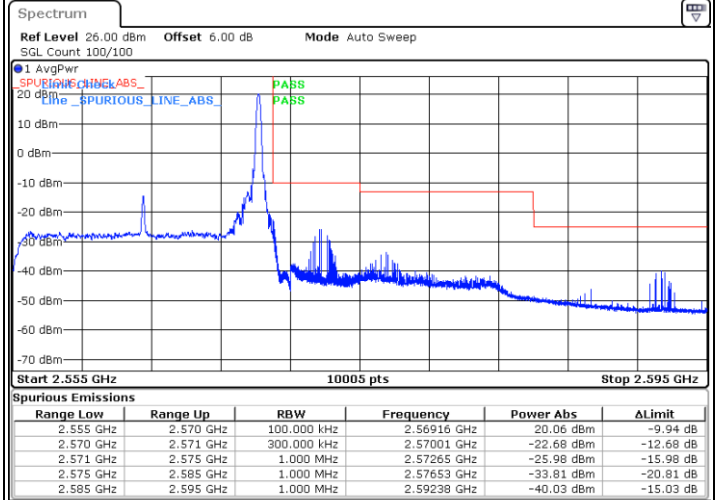


LTE Band 7 / 15MHz / 16QAM

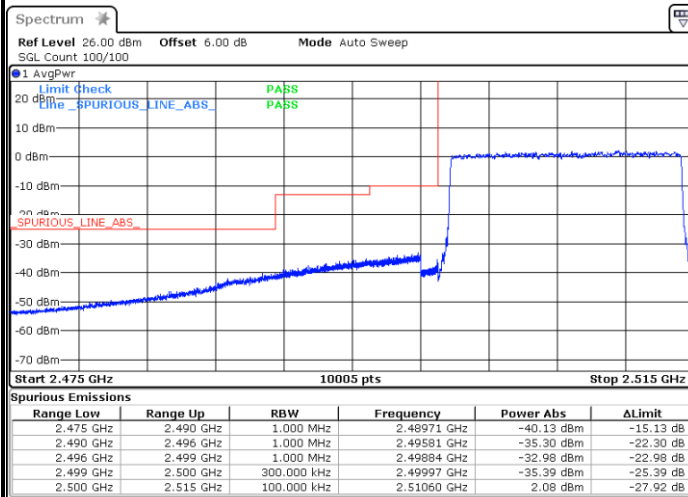
Lowest Band Edge / 1 RB



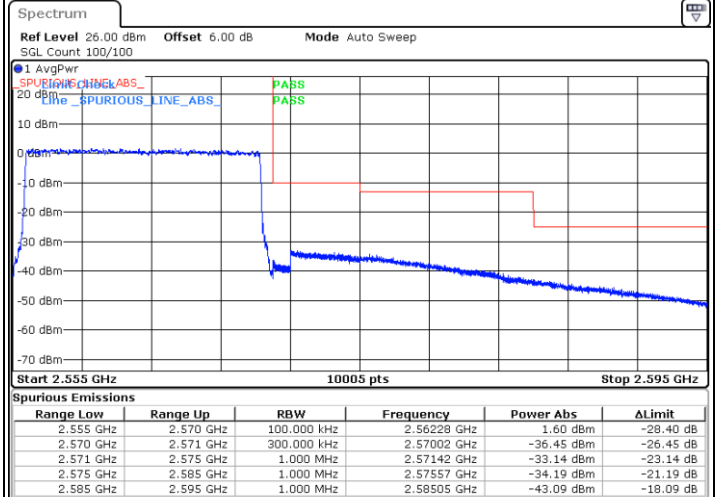
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



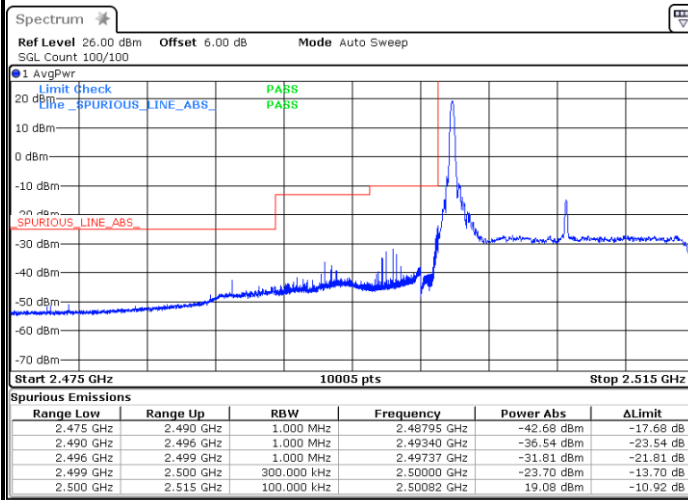
Highest Band Edge / Full RB



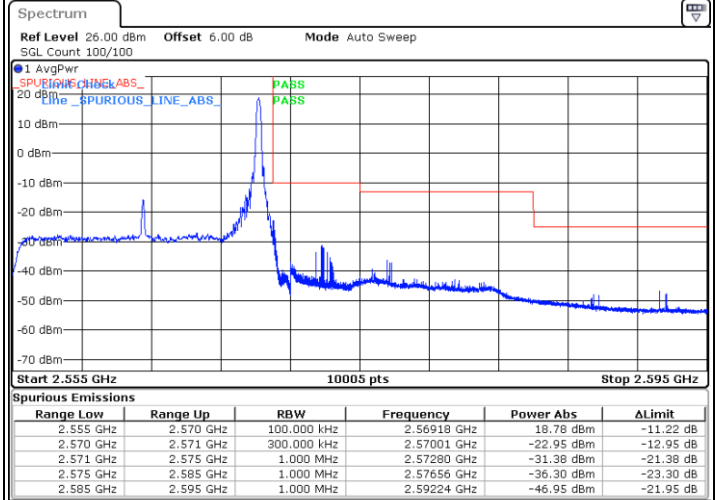


LTE Band 7 / 15MHz / 64QAM

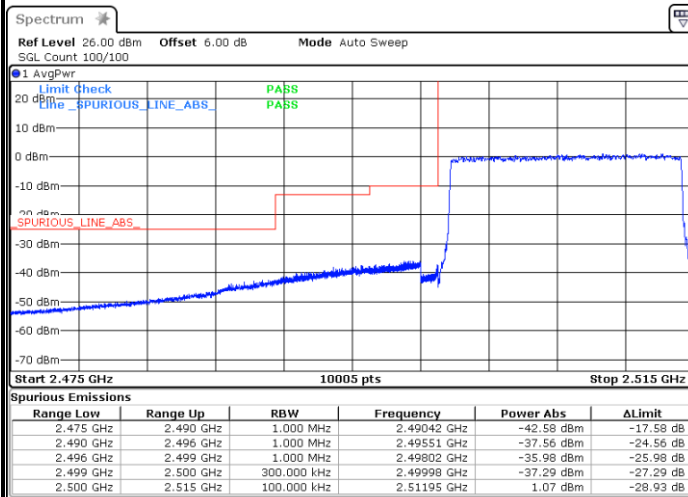
Lowest Band Edge / 1 RB



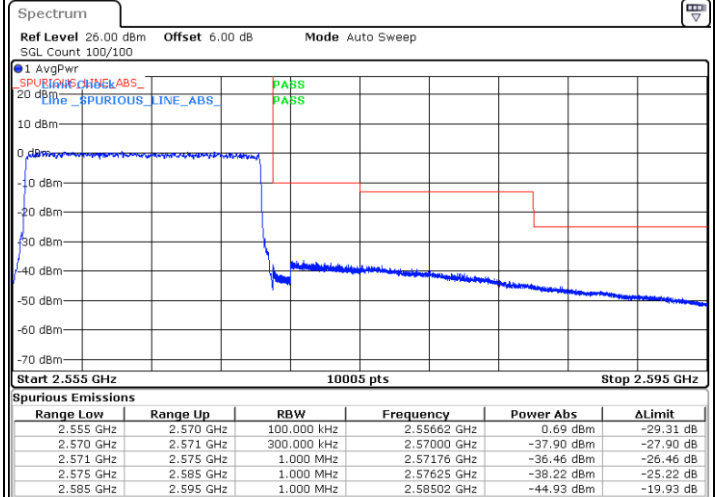
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



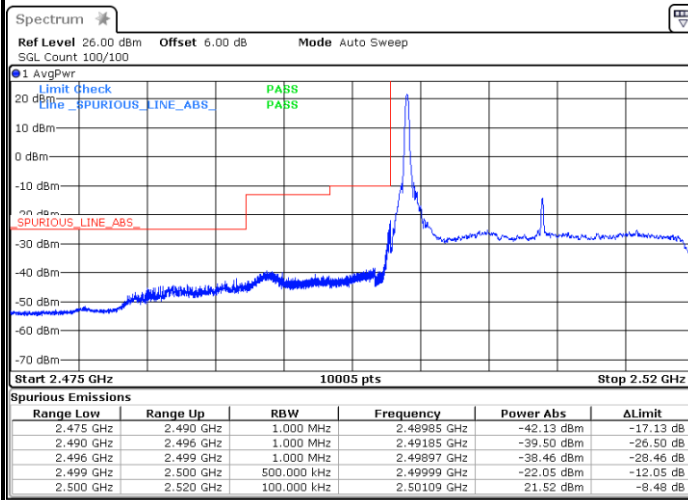
Highest Band Edge / Full RB



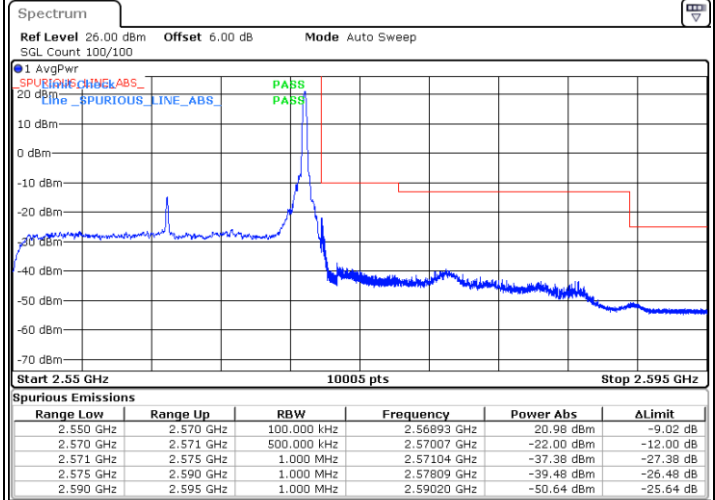


LTE Band 7 / 20MHz / QPSK

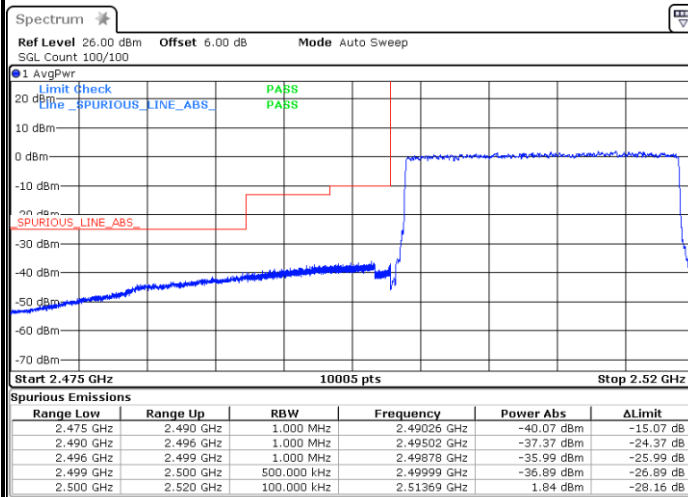
Lowest Band Edge / 1 RB



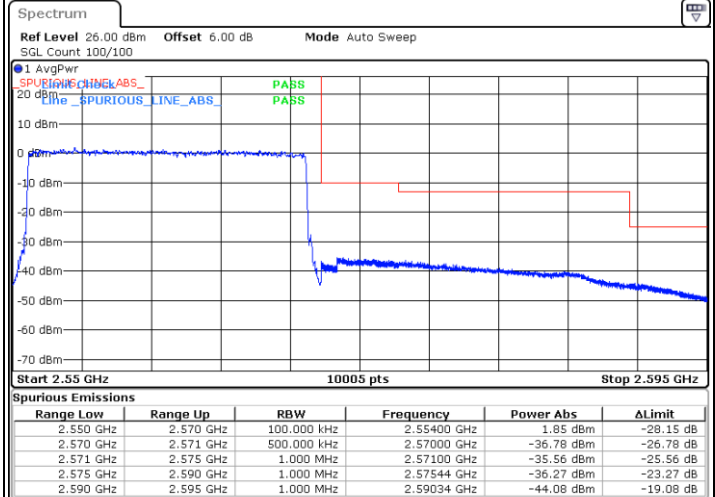
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



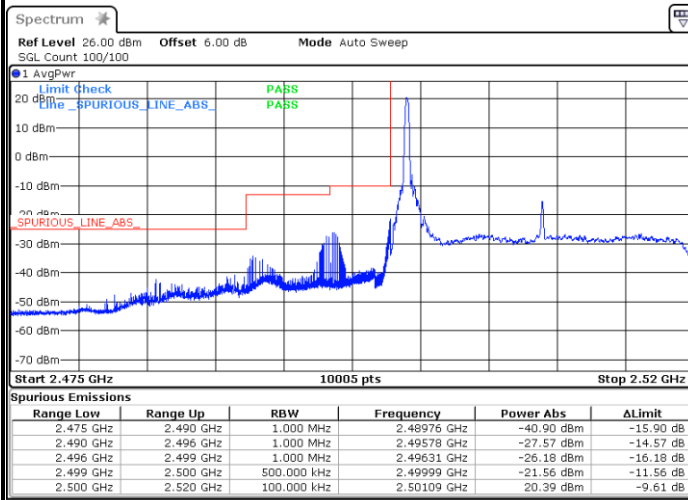
Highest Band Edge / Full RB



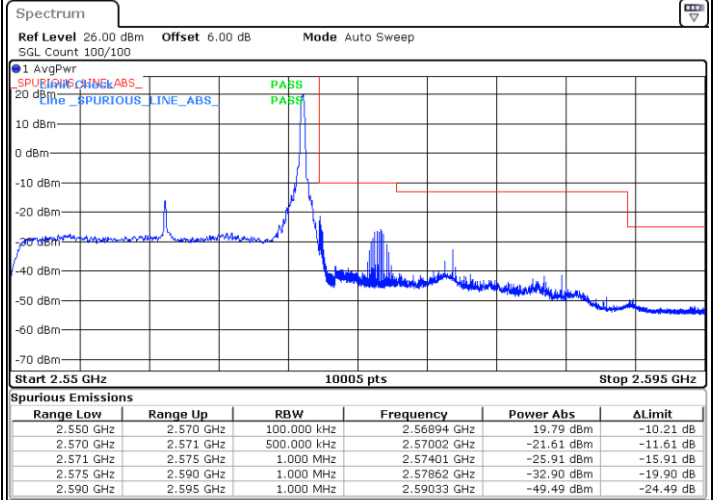


LTE Band 7 / 20MHz / 16QAM

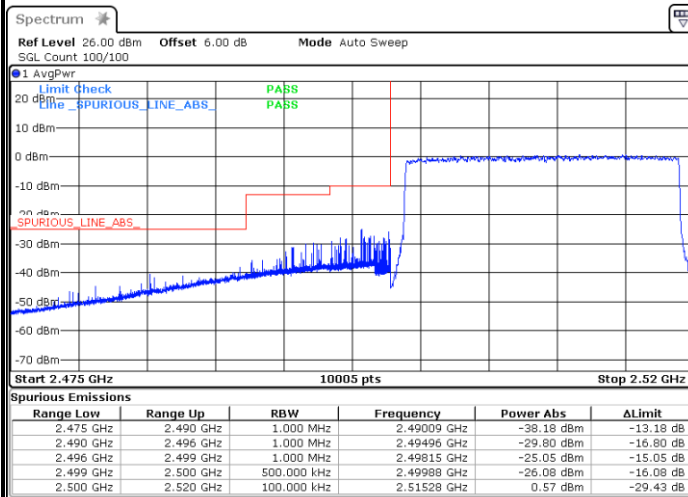
Lowest Band Edge / 1 RB



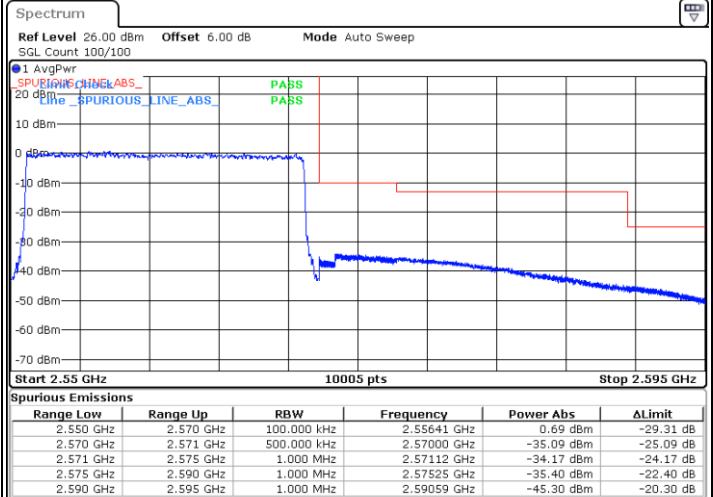
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



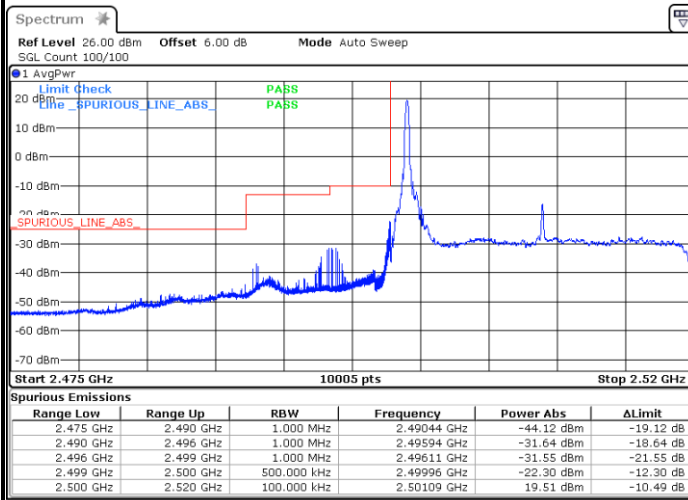
Highest Band Edge / Full RB



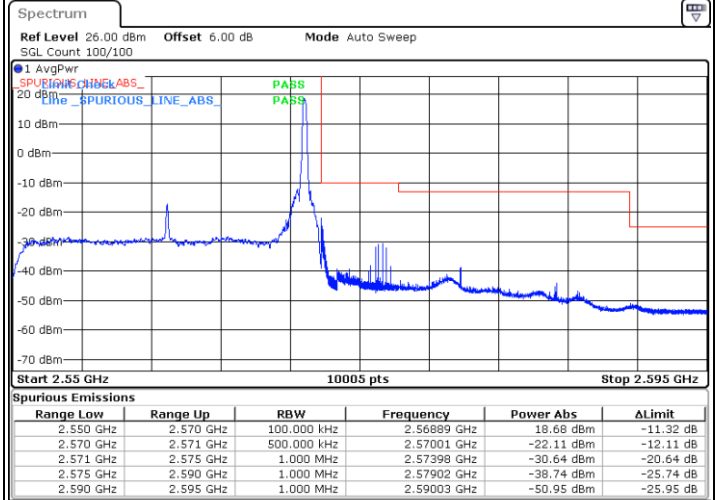


LTE Band 7 / 20MHz / 64QAM

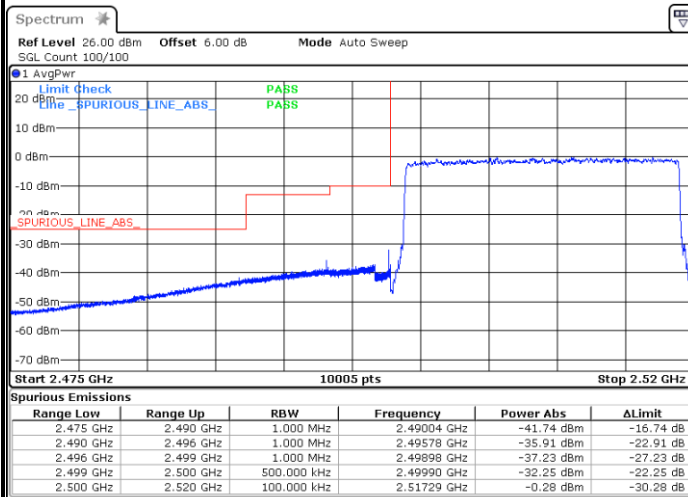
Lowest Band Edge / 1 RB



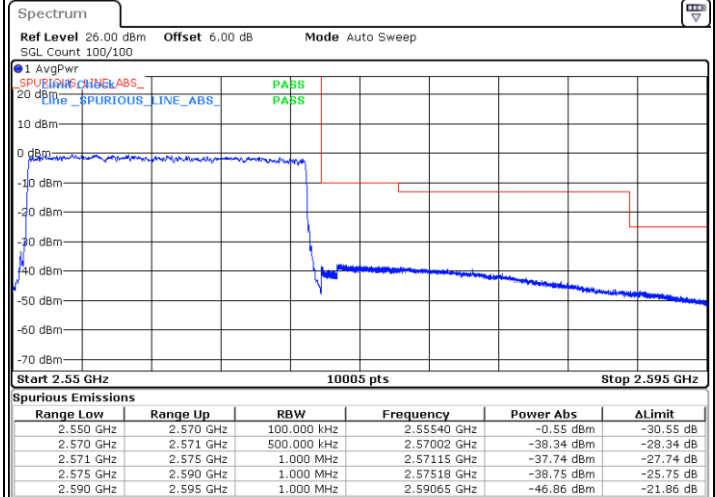
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



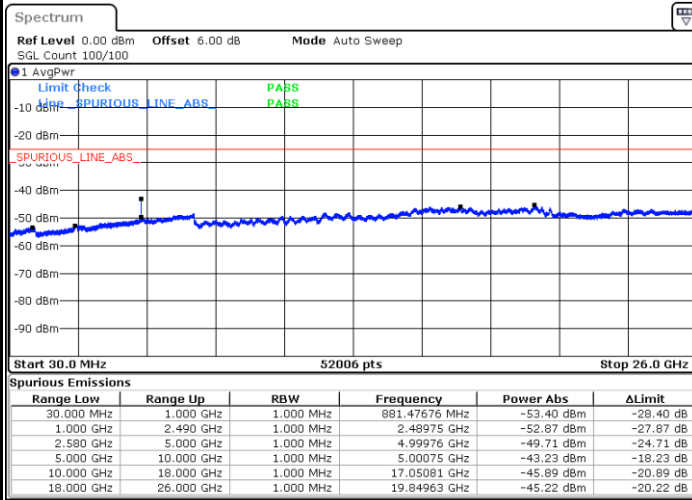


Conducted Spurious Emission



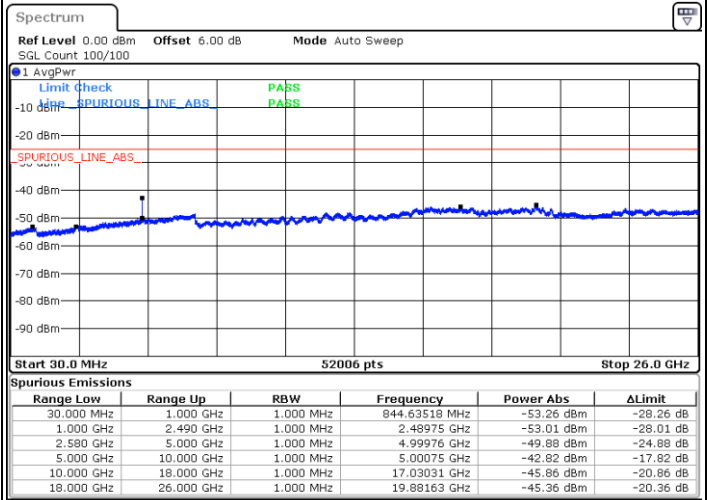
LTE Band 7 / 5MHz

Lowest Channel / QPSK



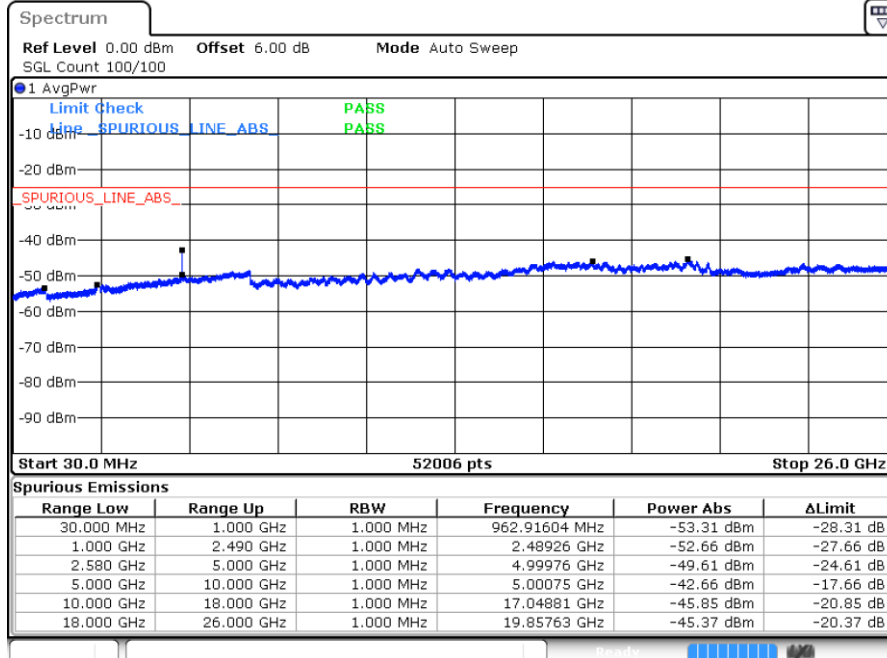
Date: 12.APR.2021 20:12:40

Middle Channel / QPSK



Date: 12.APR.2021 20:13:44

Highest Channel / QPSK

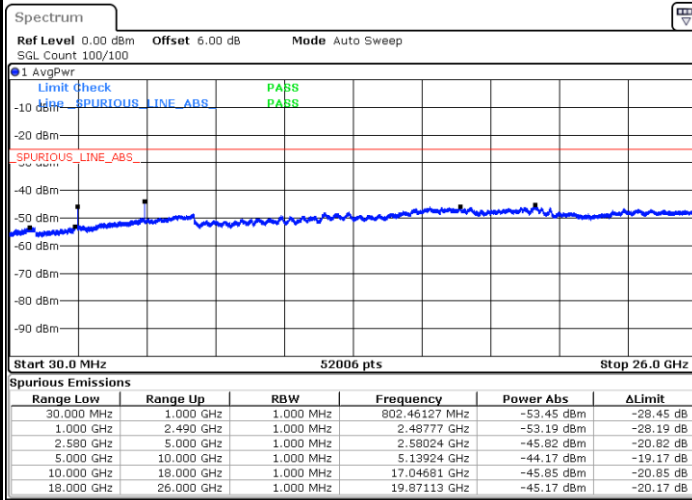


Date: 12.APR.2021 20:14:35



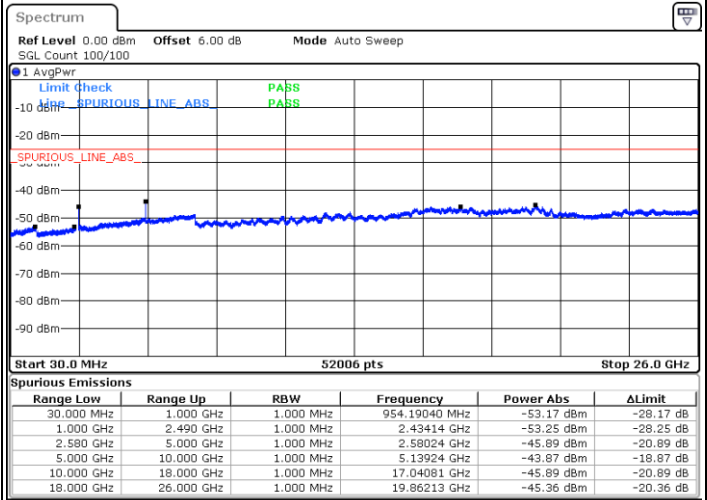
LTE Band 7 / 10MHz

Lowest Channel / QPSK



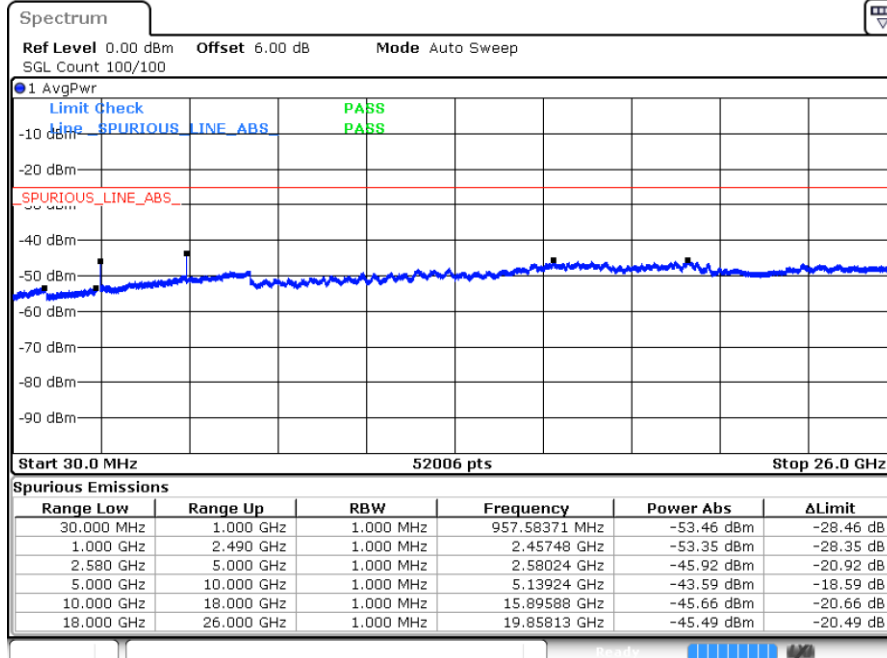
Date: 12.APR.2021 20:42:54

Middle Channel / QPSK



Date: 12.APR.2021 20:41:44

Highest Channel / QPSK

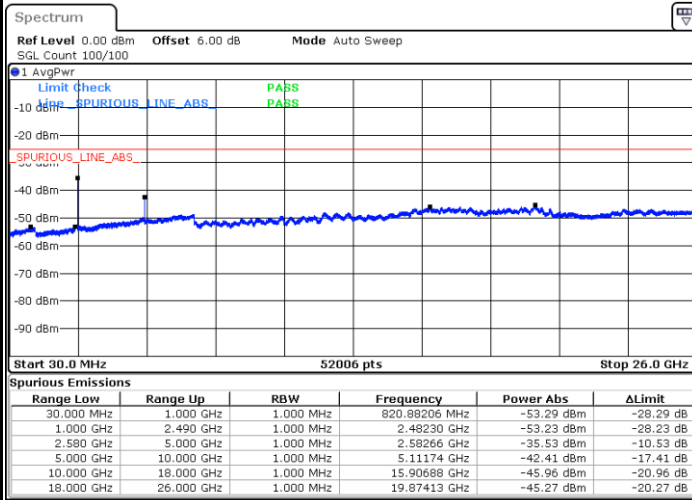


Date: 12.APR.2021 20:38:50



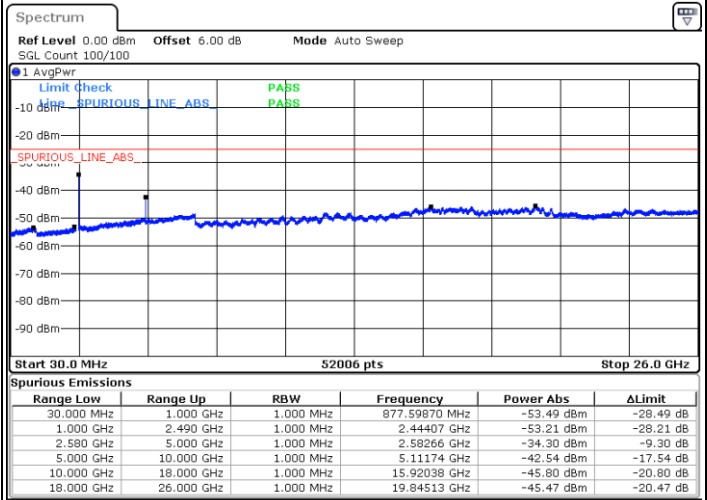
LTE Band 7 / 15MHz

Lowest Channel / QPSK



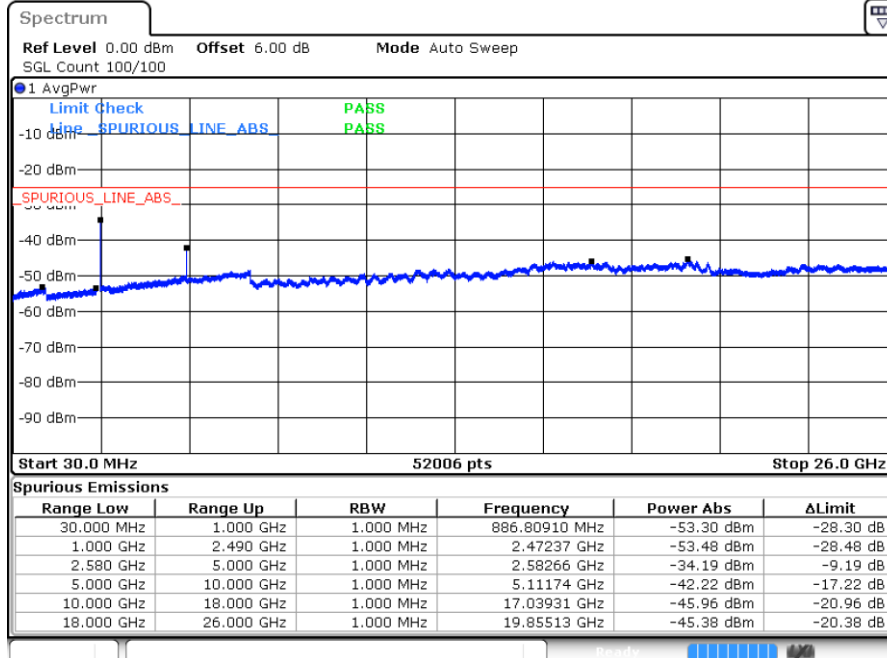
Date: 12.APR.2021 21:27:50

Middle Channel / QPSK



Date: 12.APR.2021 21:27:00

Highest Channel / QPSK

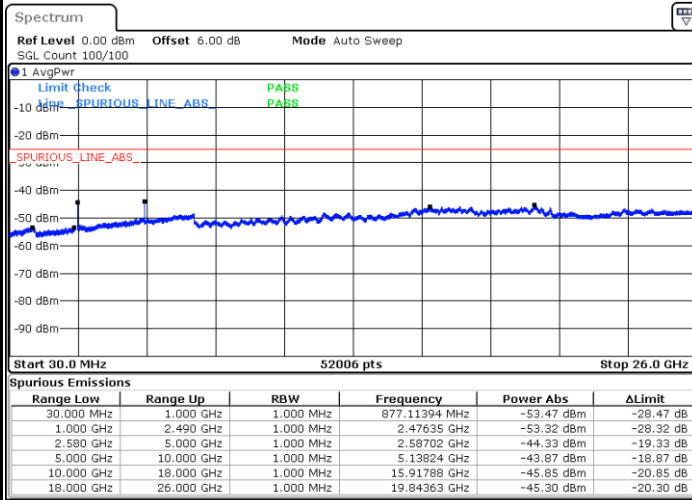


Date: 12.APR.2021 21:26:12



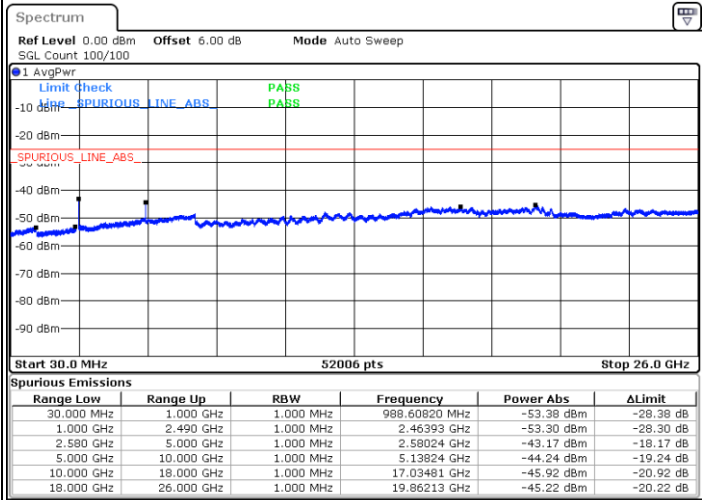
LTE Band 7 / 20MHz

Lowest Channel / QPSK



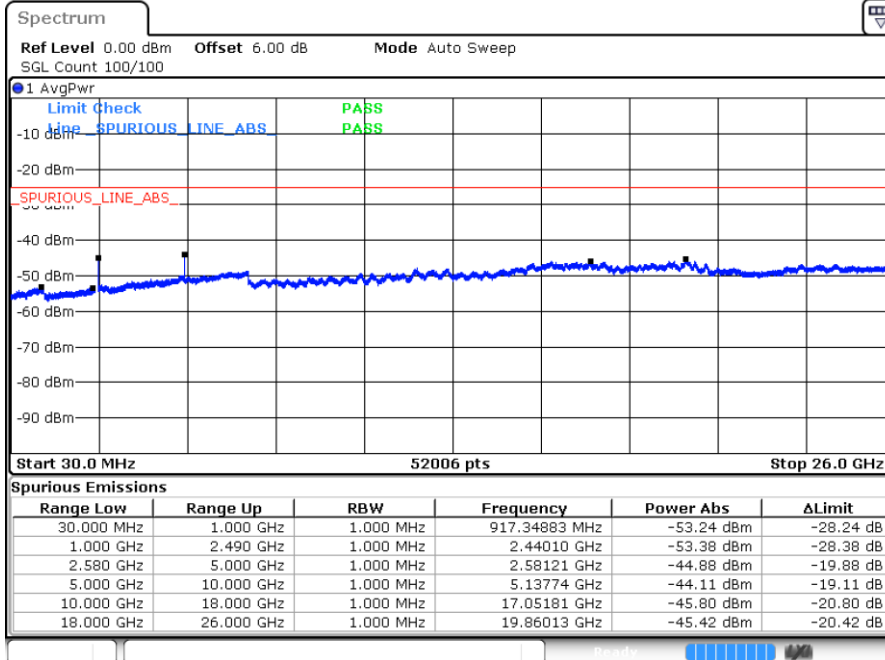
Date: 12 APR 2021 21:36:33

Middle Channel / QPSK



Date: 12 APR 2021 21:35:40

Highest Channel / QPSK



Date: 12 APR 2021 21:34:42

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	0.0021	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0030	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0006	
20	Battery End Point	0.0022	

Note:

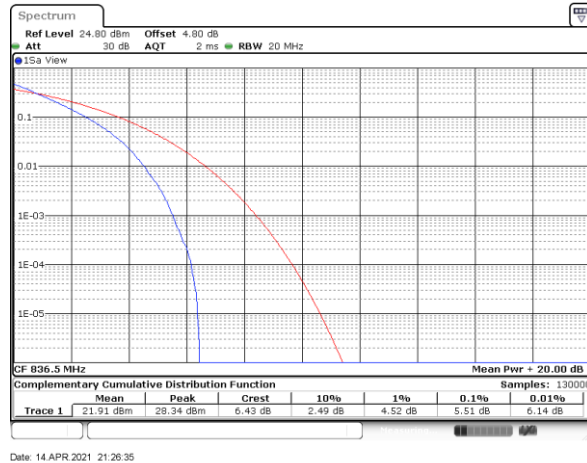
1. Normal Voltage =4.2 V. ; Battery End Point (BEP) =3.8 V. ; Maximum Voltage =4.43V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



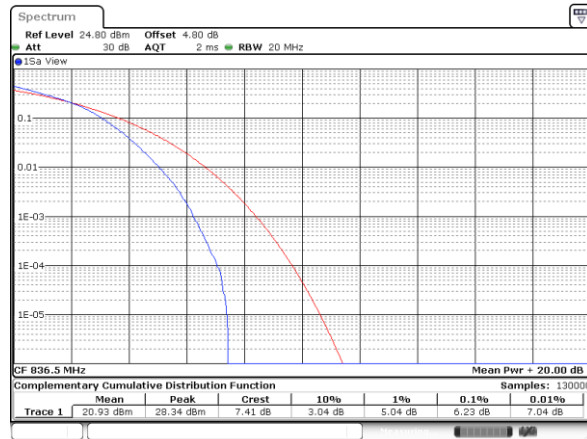
LTE Band 26_Part 22H

Peak-to-Average Ratio

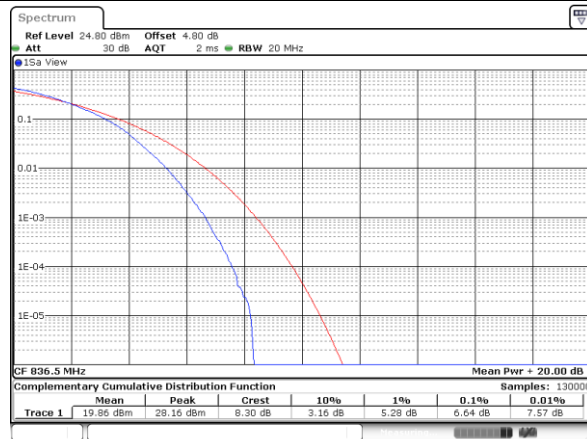
Mode	LTE Band 26 / 15MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.51	6.23	6.64	PASS

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


Date: 14.APR.2021 21:26:35

Middle Channel / Full RB/ 16QAM


Date: 14.APR.2021 21:25:24

Middle Channel / Full RB/ 64QAM


Date: 14.APR.2021 21:25:09

**26dB Bandwidth**

Mode	LTE Band 26 : 26dB BW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.51	14.30

