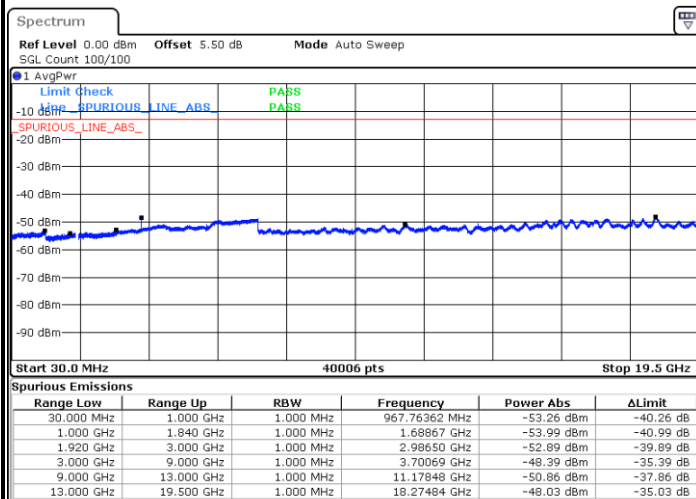




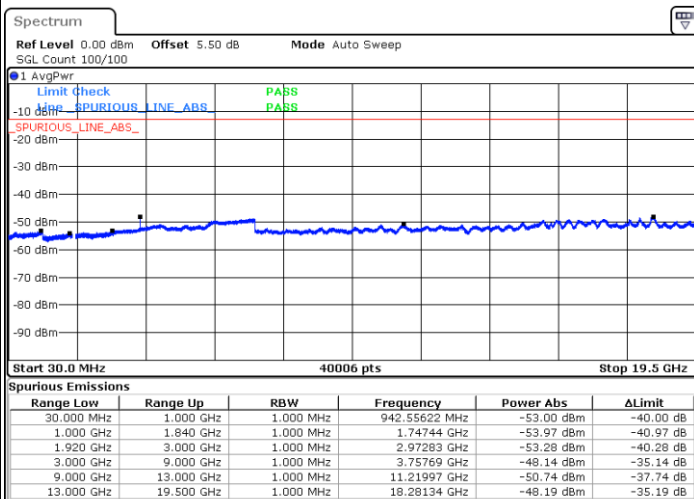
LTE Band 2 / 3MHz

Lowest Channel / QPSK



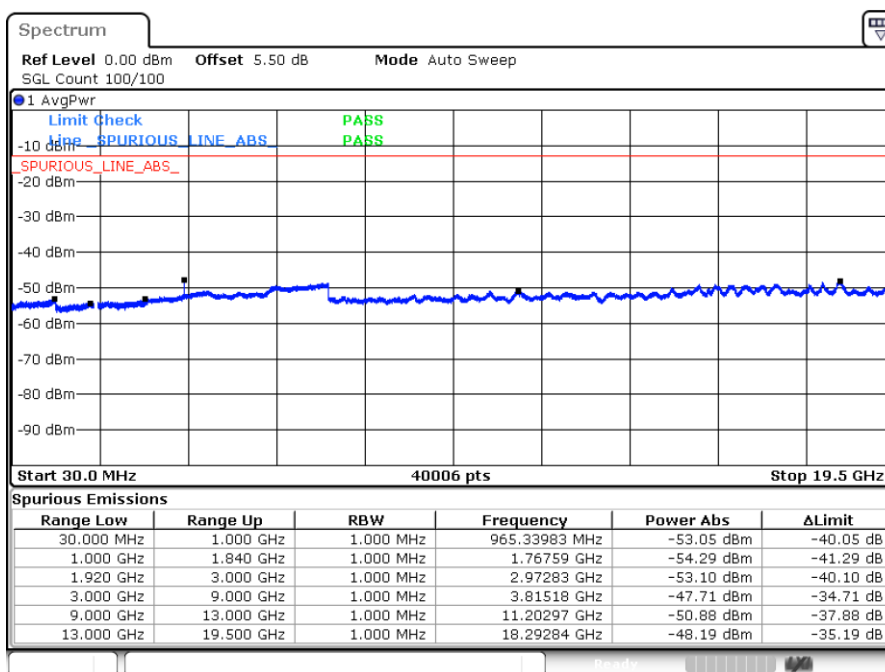
Date: 26.AUG.2022 23:28:53

Middle Channel / QPSK



Date: 26.AUG.2022 23:30:33

Highest Channel / QPSK

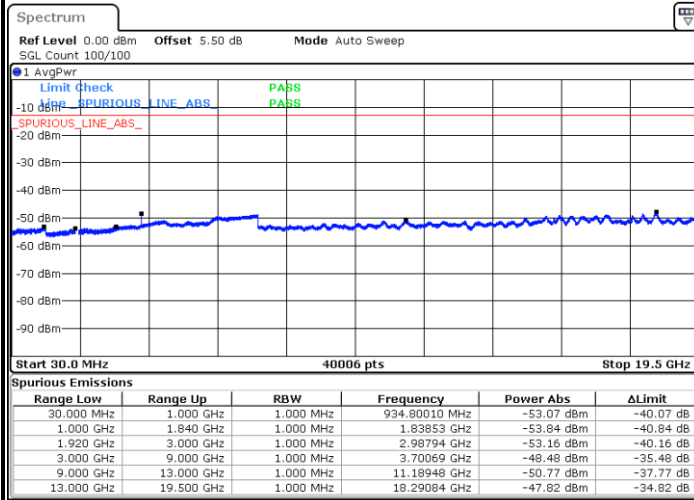


Date: 26.AUG.2022 23:32:06



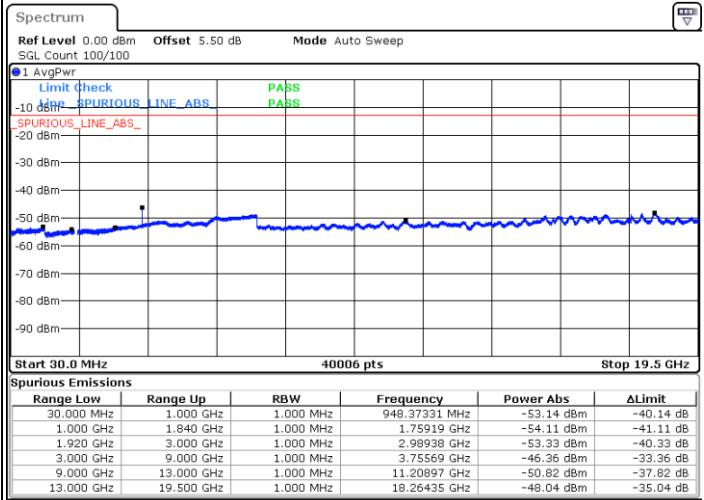
LTE Band 2 / 5MHz

Lowest Channel / QPSK



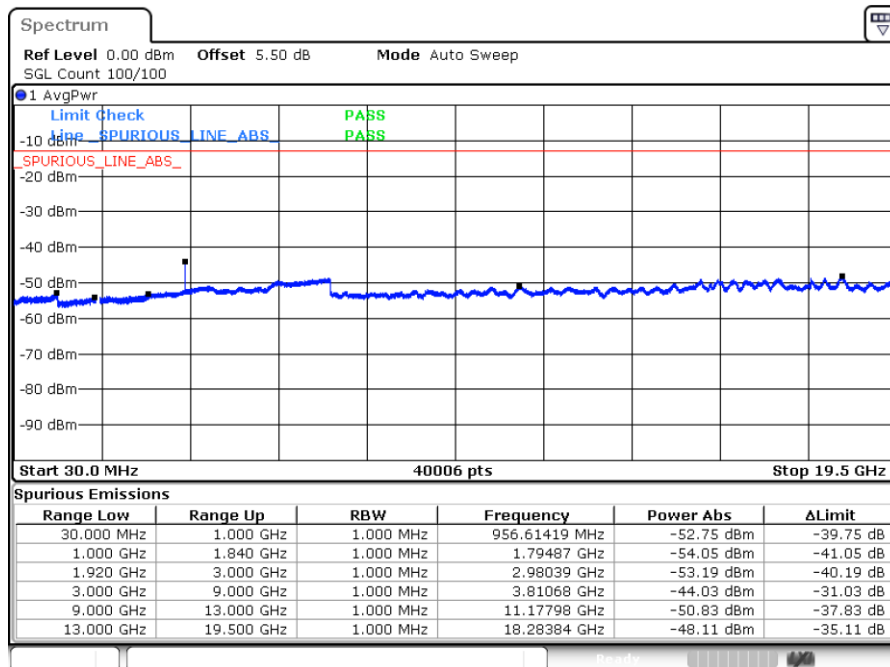
Date: 26.AUG.2022 23:44:38

Middle Channel / QPSK



Date: 26.AUG.2022 23:46:17

Highest Channel / QPSK

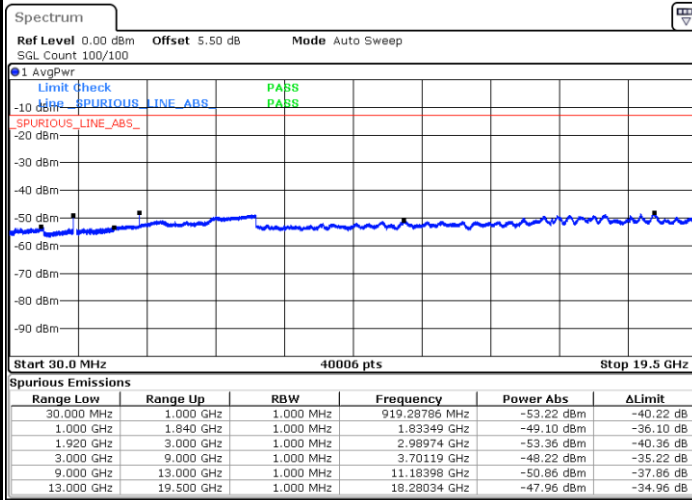


Date: 26.AUG.2022 23:48:08



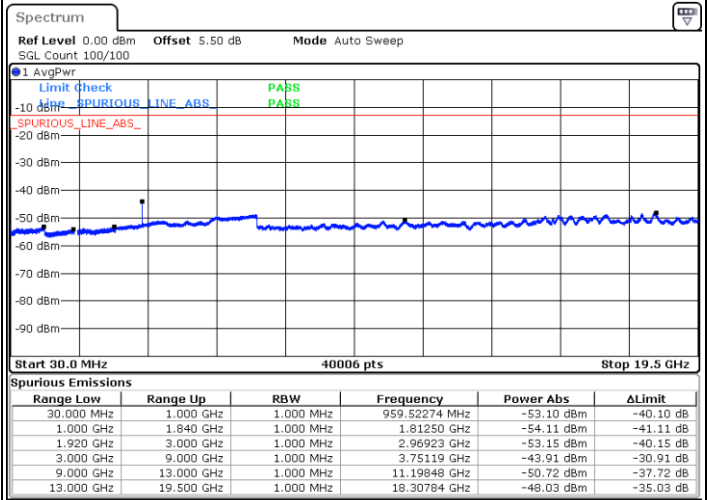
LTE Band 2 / 10MHz

Lowest Channel / QPSK



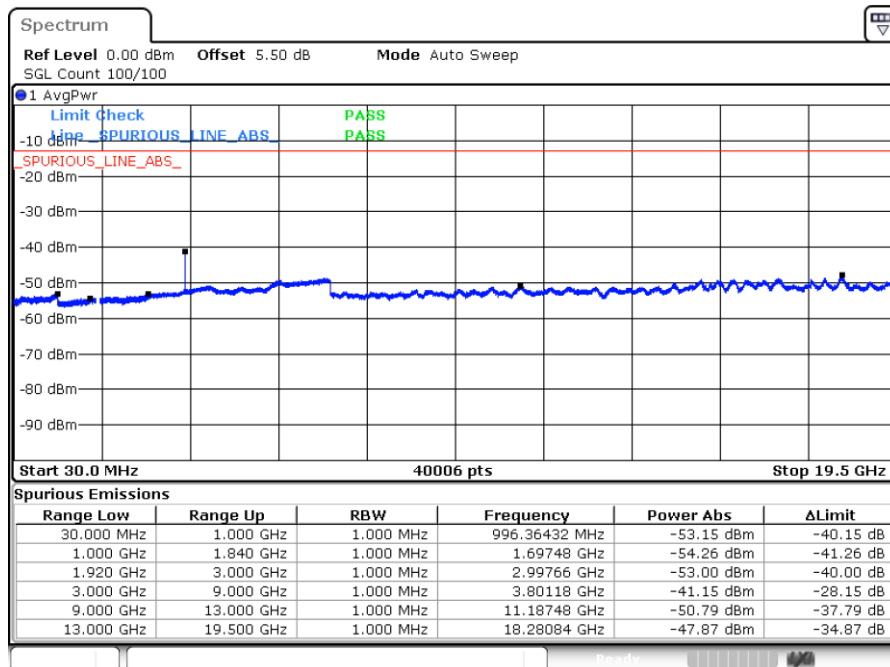
Date: 26.AUG.2022 23:57:05

Middle Channel / QPSK



Date: 26.AUG.2022 23:58:35

Highest Channel / QPSK

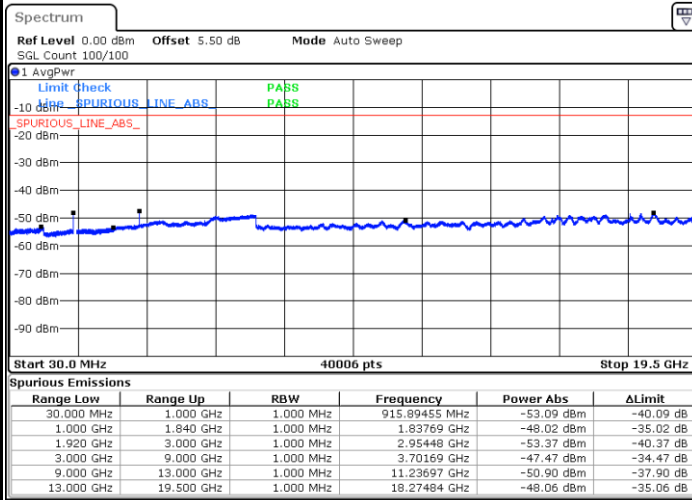


Date: 27.AUG.2022 00:00:15



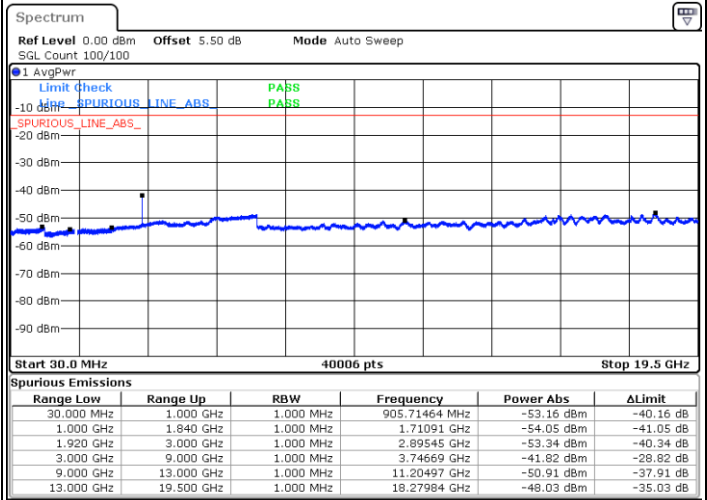
LTE Band 2 / 15MHz

Lowest Channel / QPSK



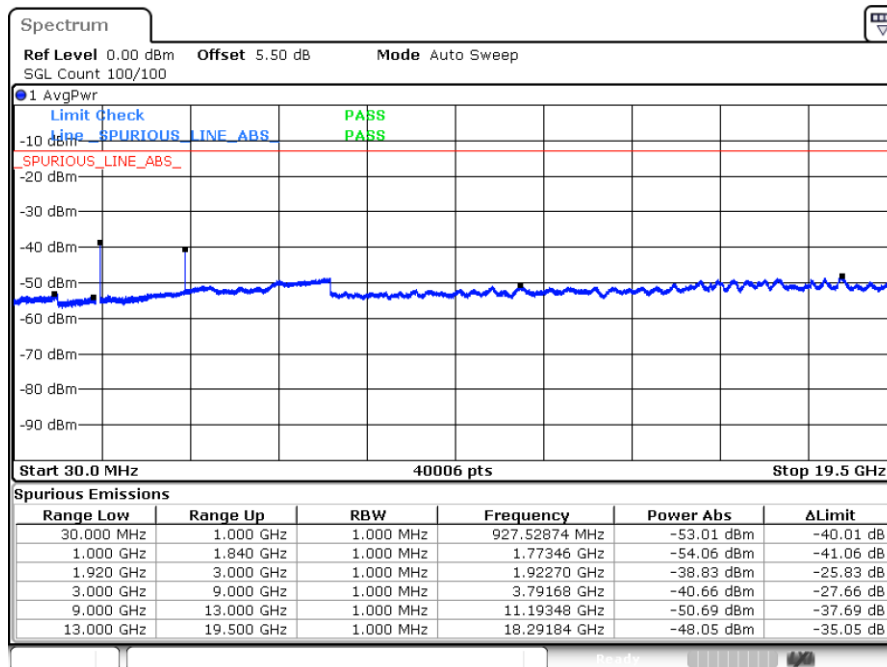
Date: 27.AUG.2022 00:56:39

Middle Channel / QPSK



Date: 27.AUG.2022 00:58:22

Highest Channel / QPSK

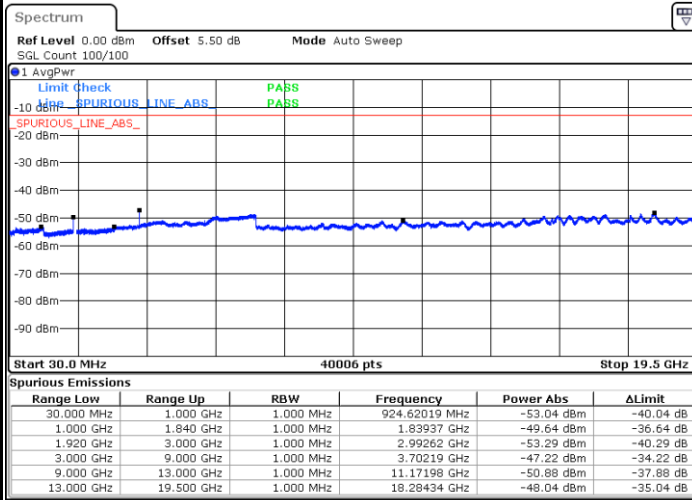


Date: 27.AUG.2022 00:59:51



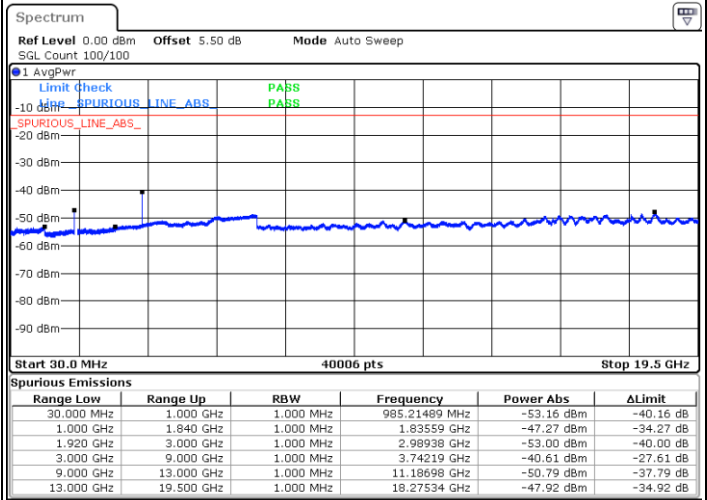
LTE Band 2 / 20MHz

Lowest Channel / QPSK



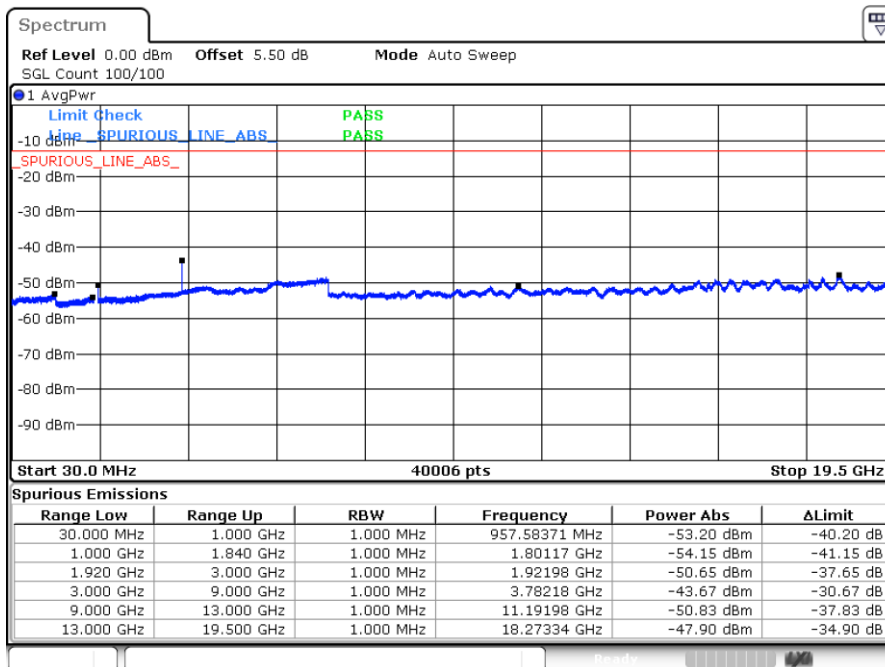
Date: 27.AUG.2022 01:11:16

Middle Channel / QPSK



Date: 27.AUG.2022 01:18:46

Highest Channel / QPSK



Date: 27.AUG.2022 01:25:15

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	0.0012	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0020	
20	Battery End Point	0.0009	

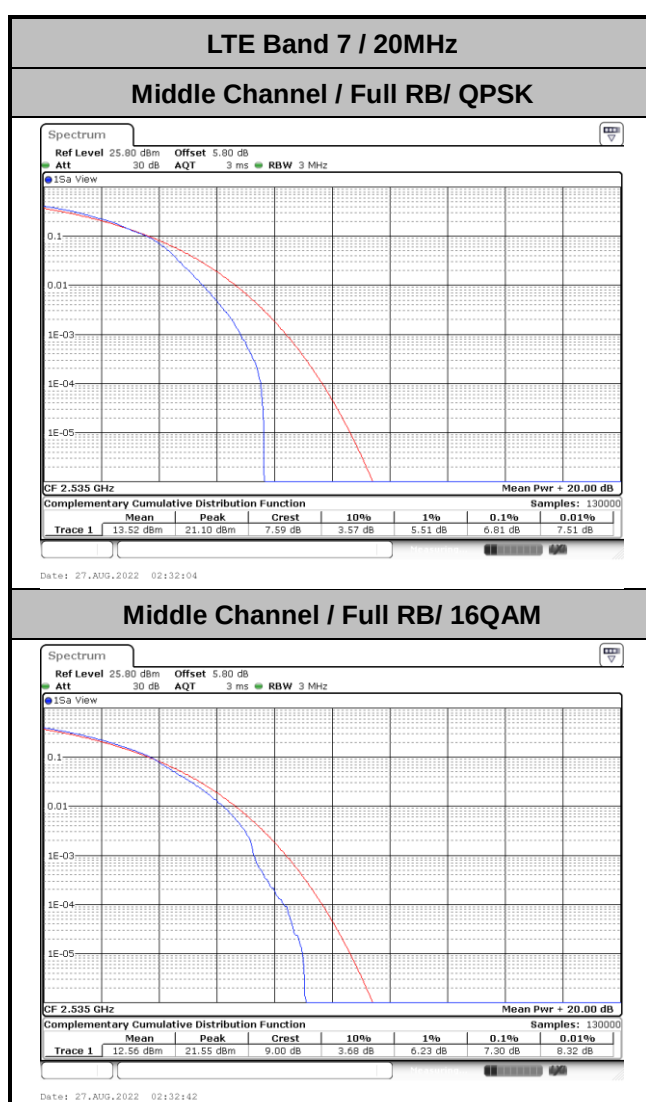
Note:

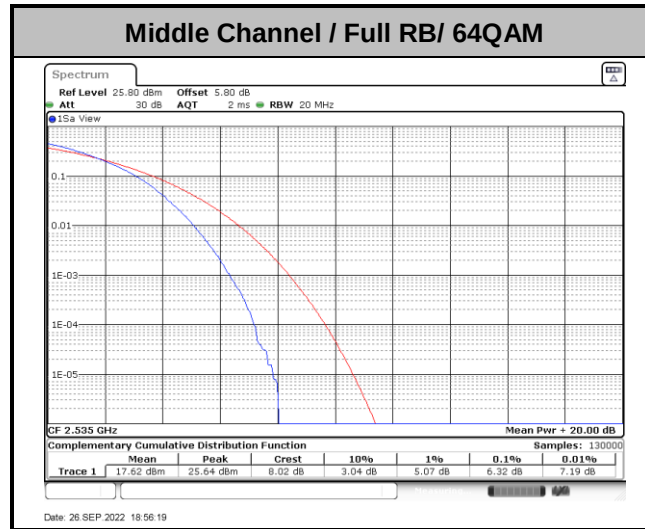
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 7

Peak-to-Average Ratio

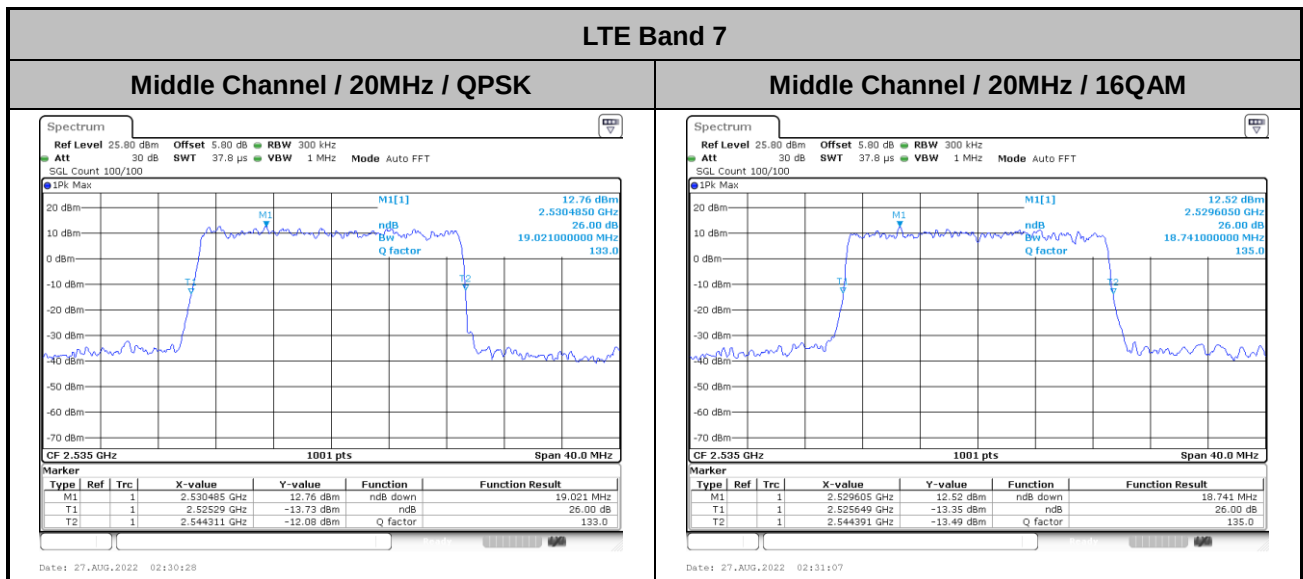
Mode	LTE Band 7 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB			Result
Middle CH	6.81	7.30	6.32	PASS





**26dB Bandwidth**

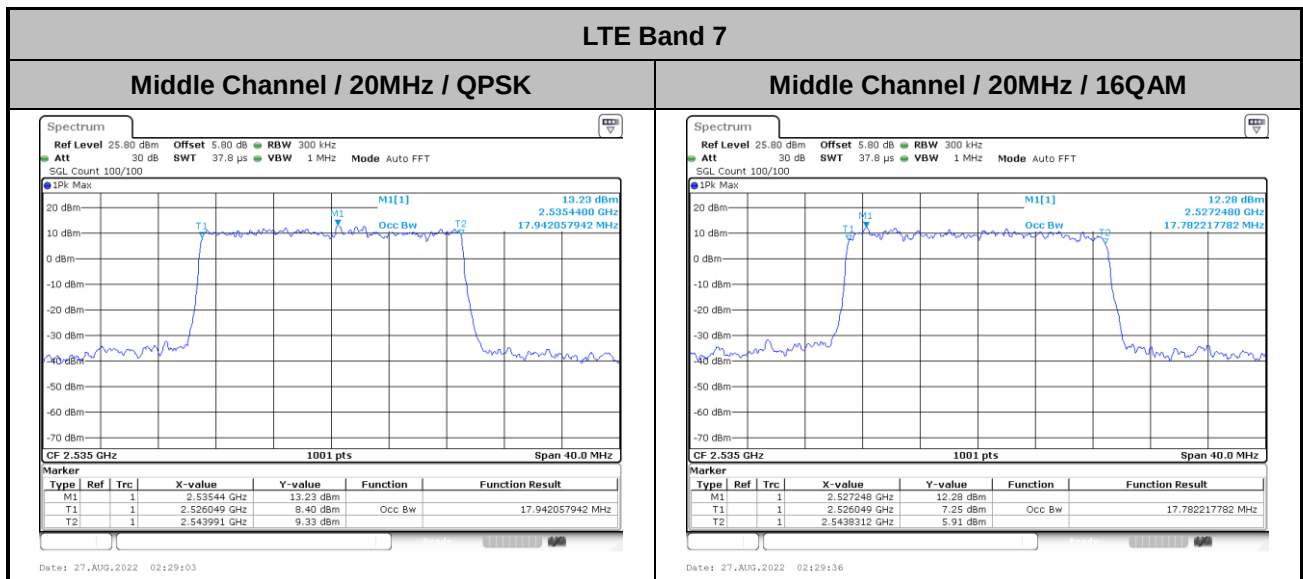
Mode	LTE Band 7 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.02	18.74





Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.94	17.78

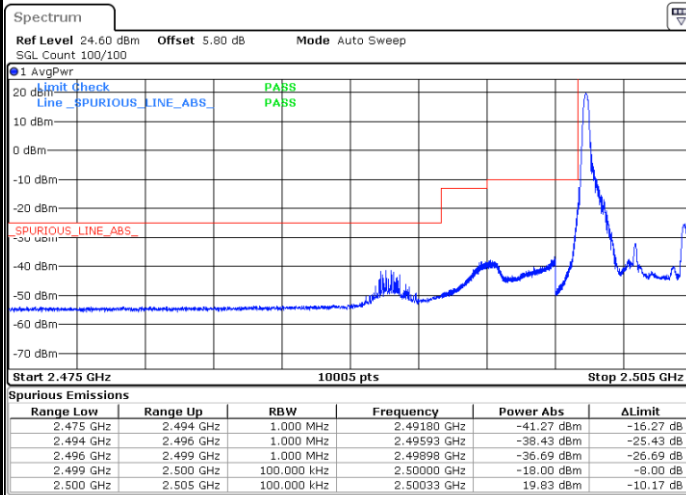




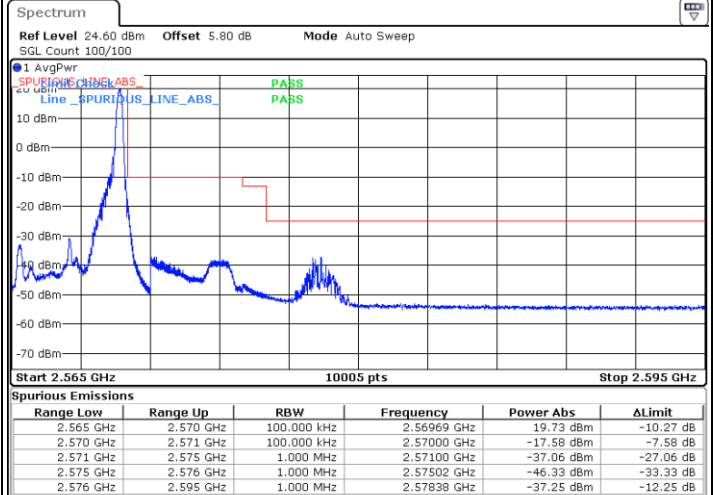
Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

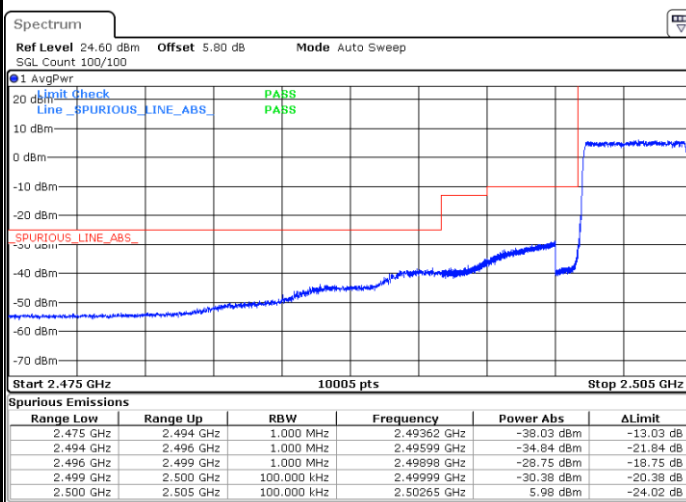
Lowest Band Edge / 1 RB



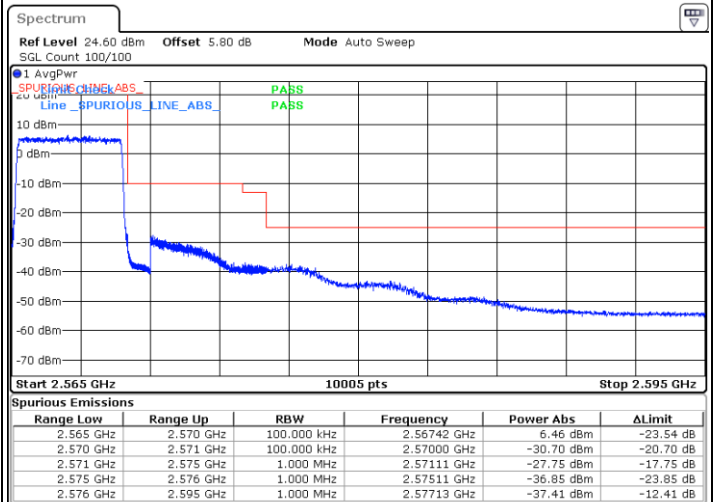
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



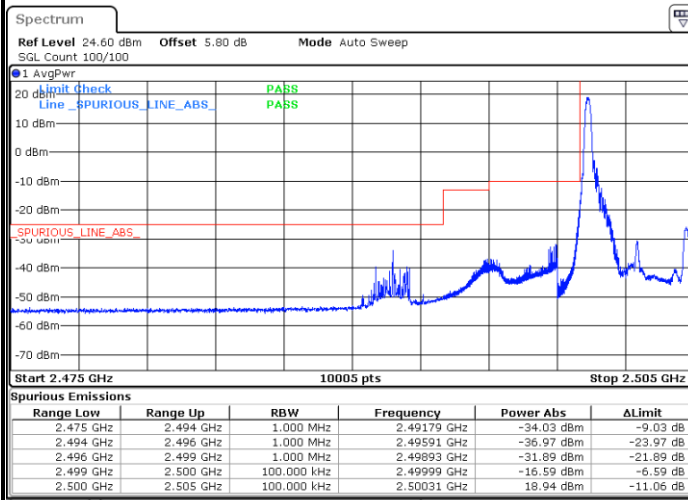
Highest Band Edge / Full RB



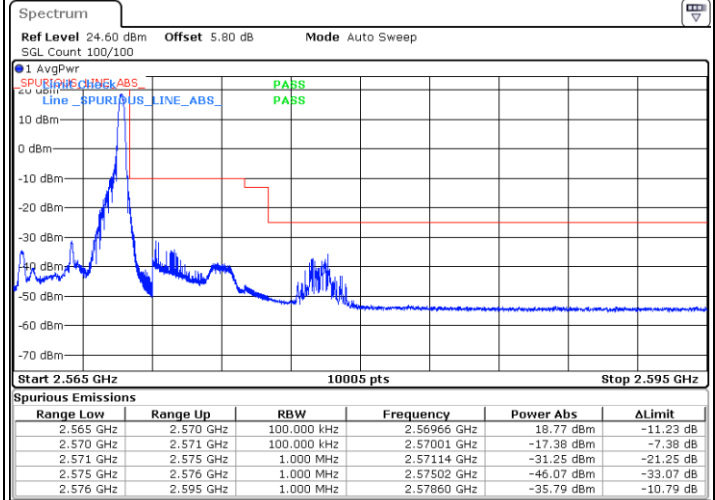


LTE Band 7 / 5MHz / 16QAM

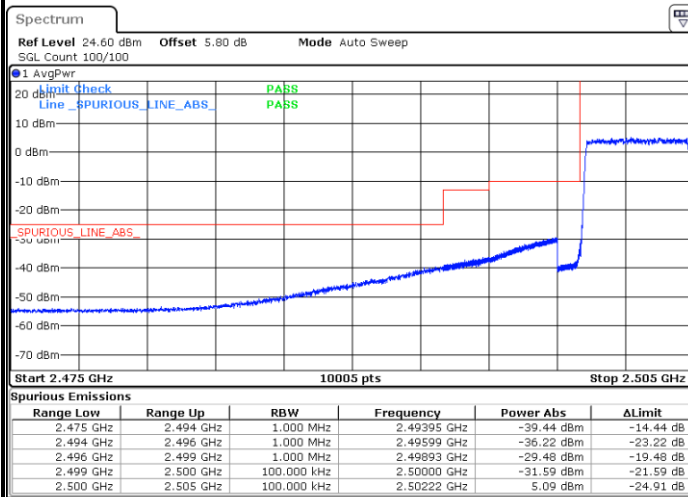
Lowest Band Edge / 1RB



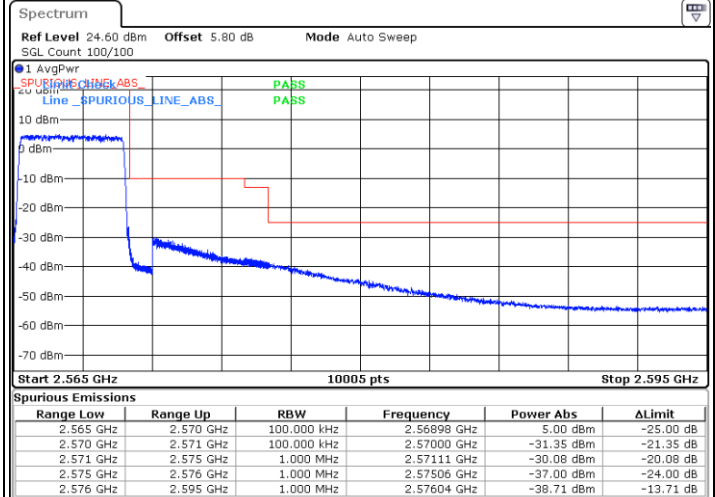
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



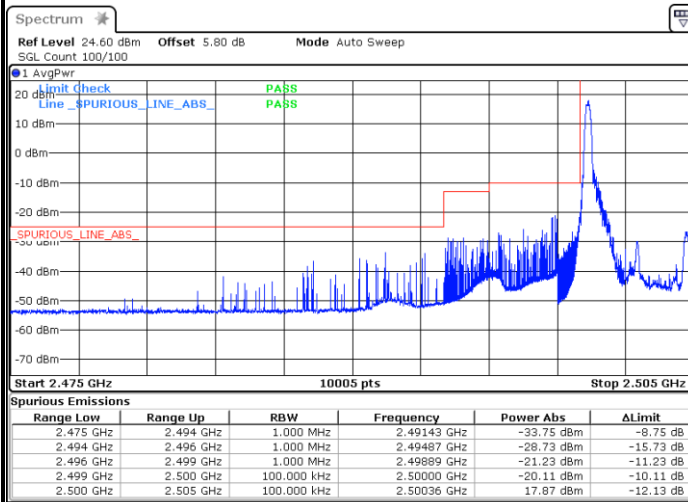
Highest Band Edge / Full RB



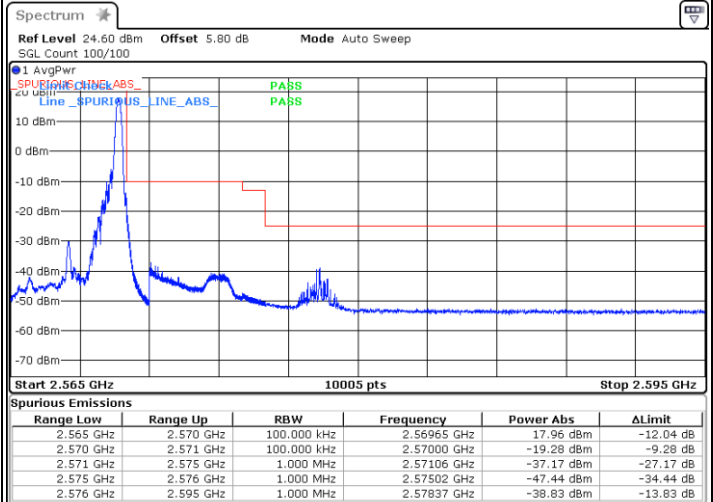


LTE Band 7 / 5MHz / 64QAM

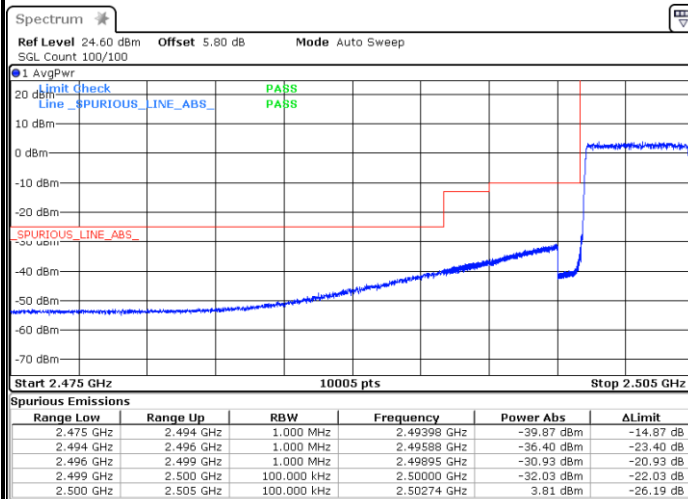
Lowest Band Edge / 1RB



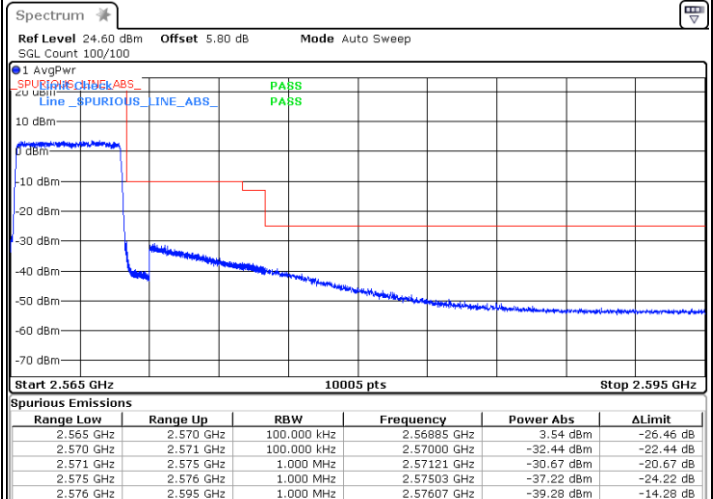
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



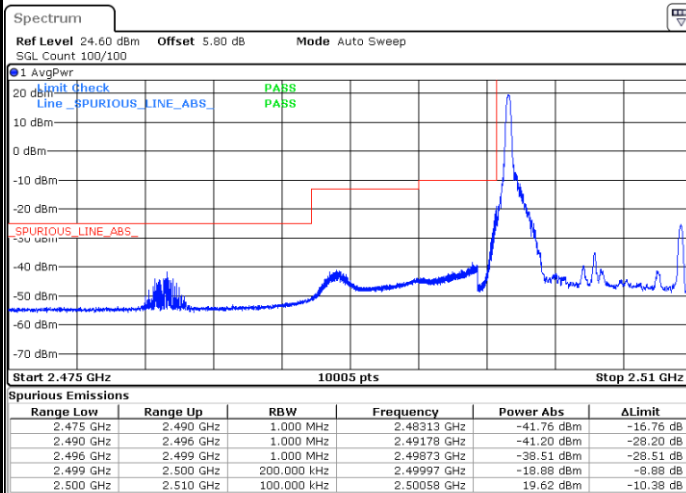
Highest Band Edge / Full RB



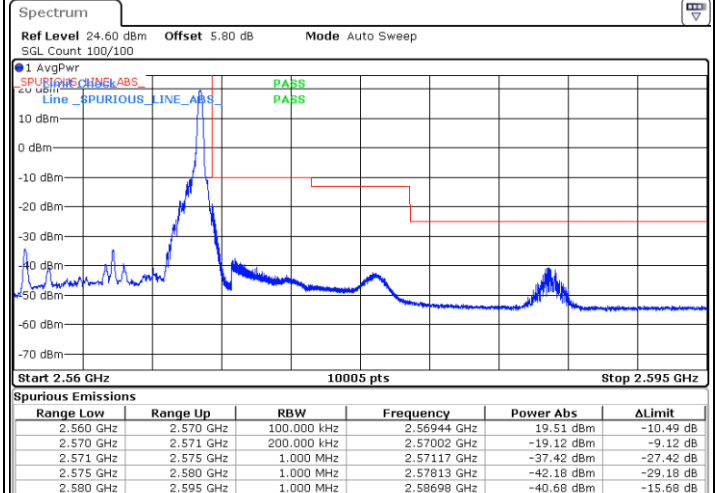


LTE Band 7 / 10MHz / QPSK

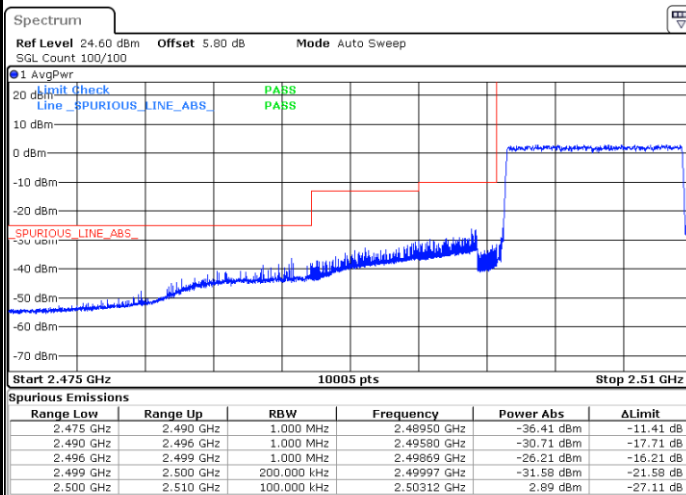
Lowest Band Edge / 1 RB



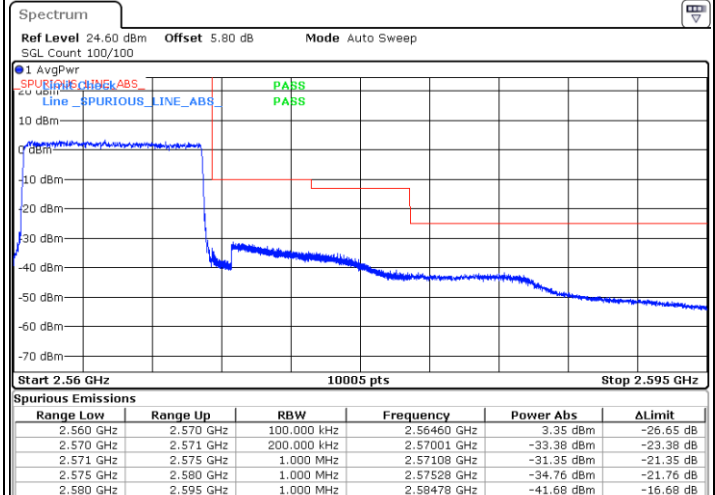
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



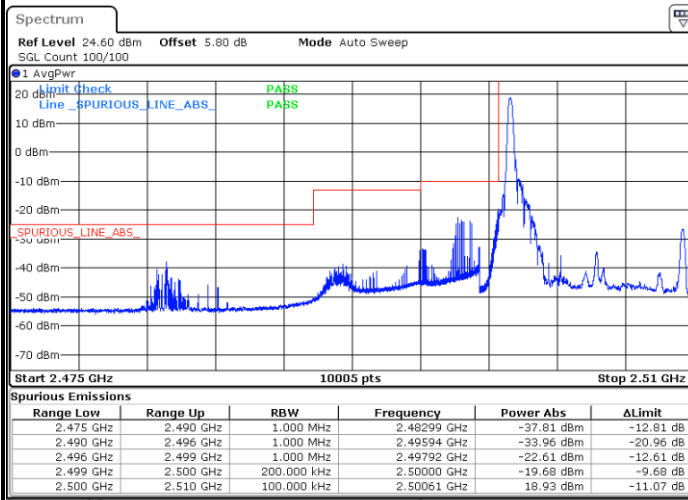
Highest Band Edge / Full RB



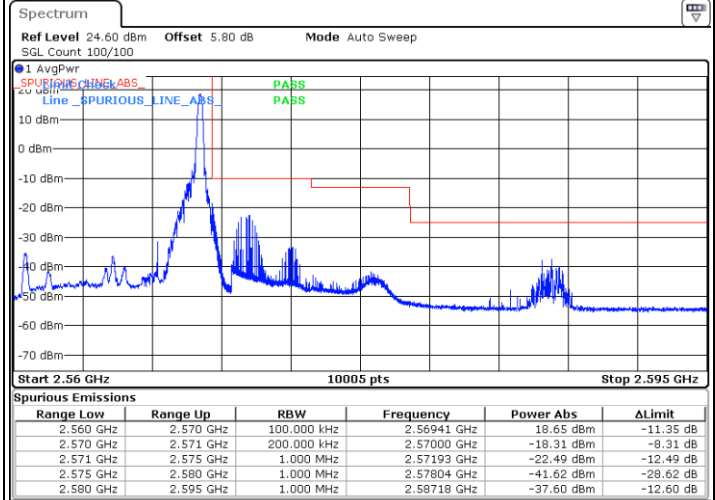


LTE Band 7 / 10MHz / 16QAM

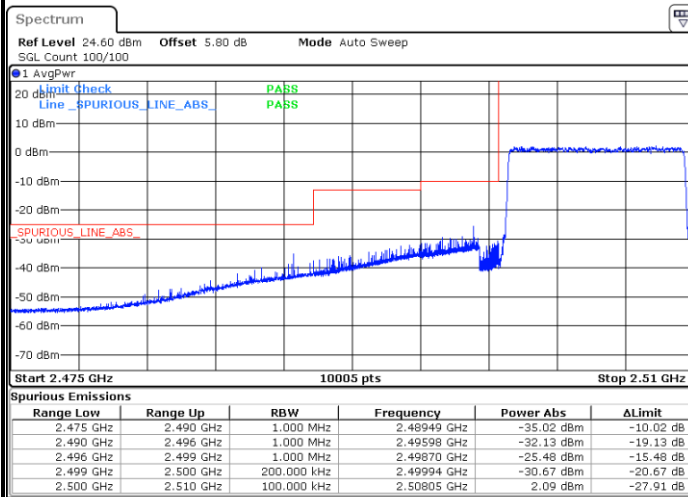
Lowest Band Edge / 1 RB



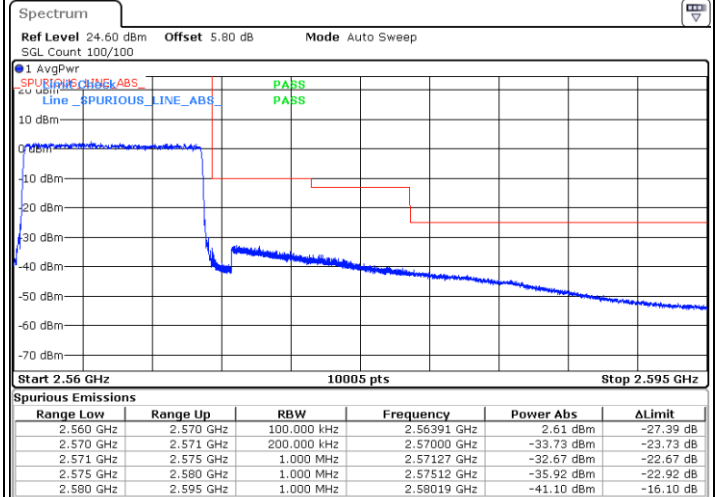
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



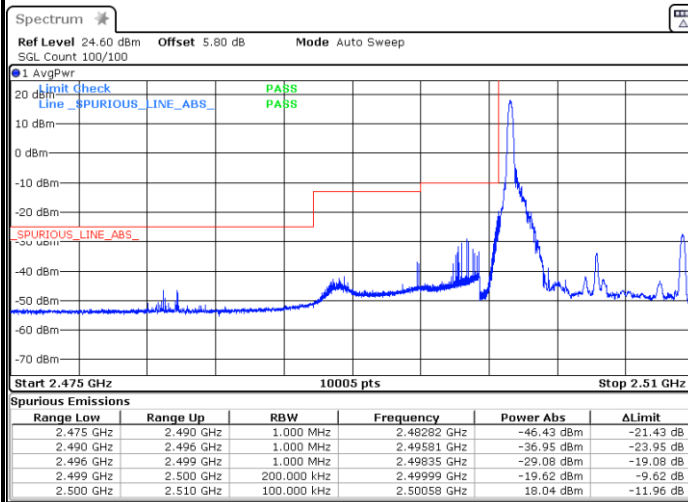
Highest Band Edge / Full RB



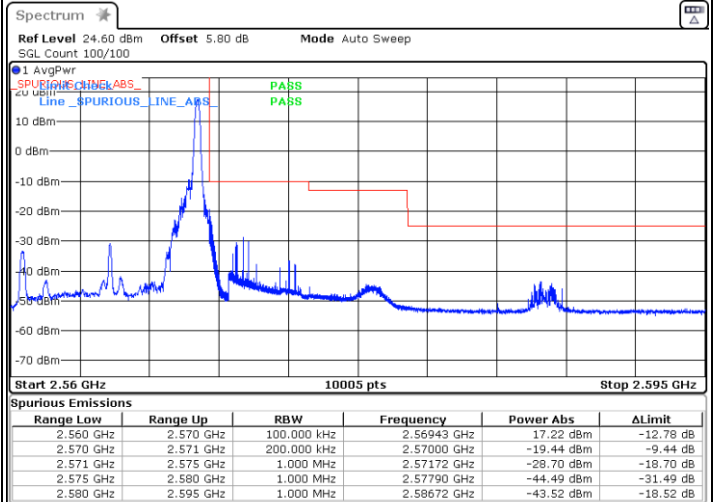


LTE Band 7 / 10MHz / 64QAM

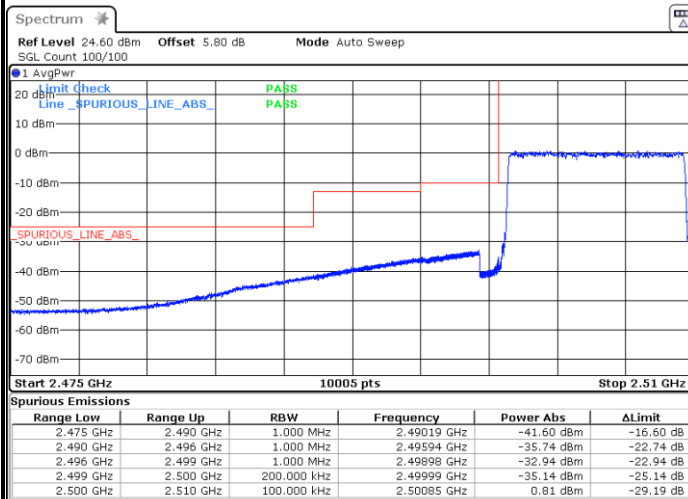
Lowest Band Edge / 1 RB



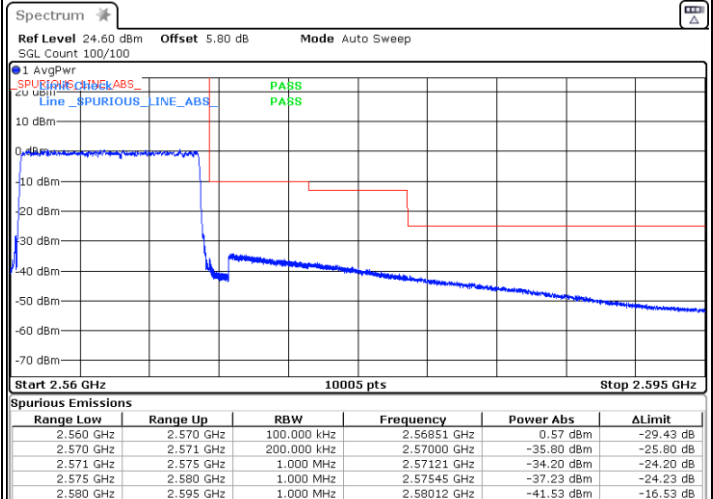
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



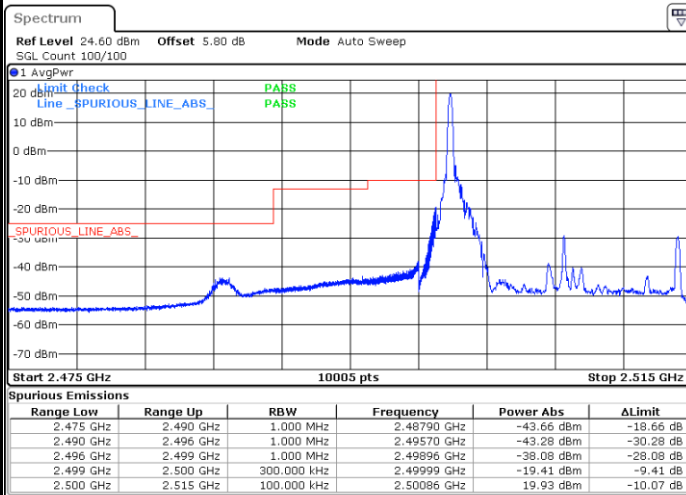
Highest Band Edge / Full RB



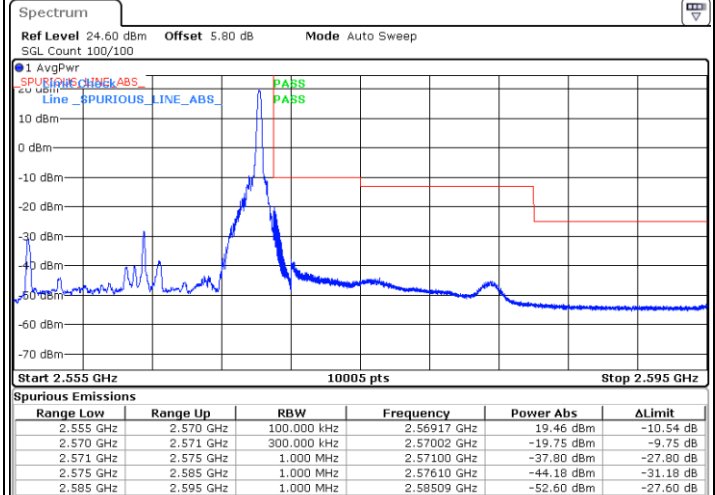


LTE Band 7 / 15MHz / QPSK

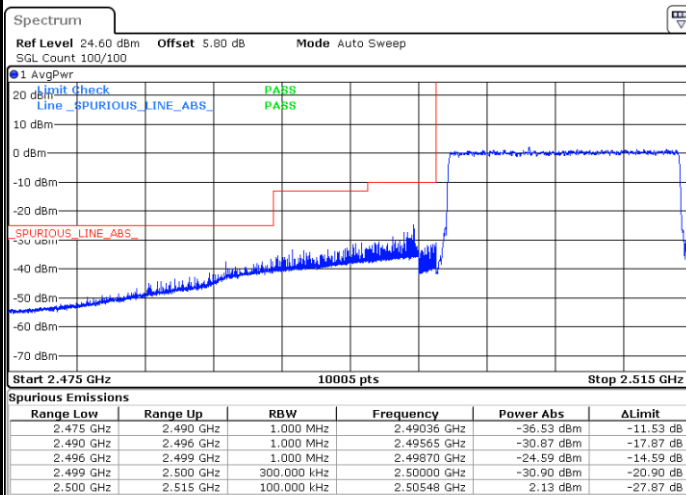
Lowest Band Edge / 1 RB



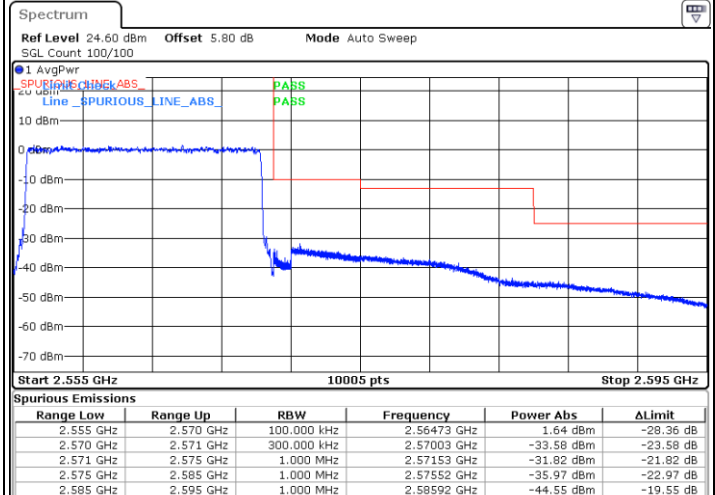
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



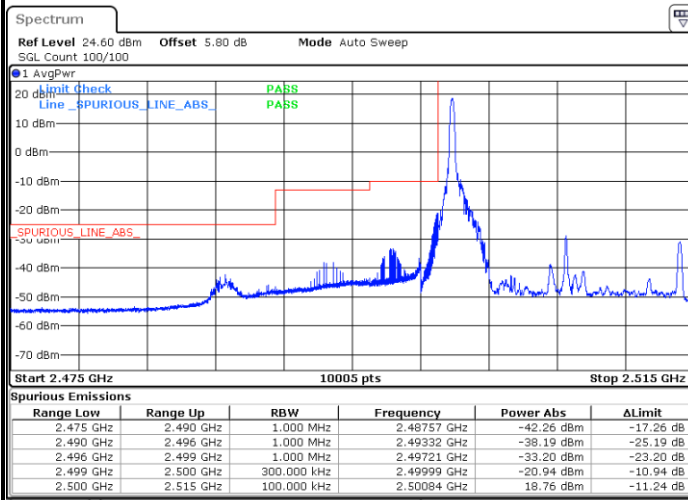
Highest Band Edge / Full RB



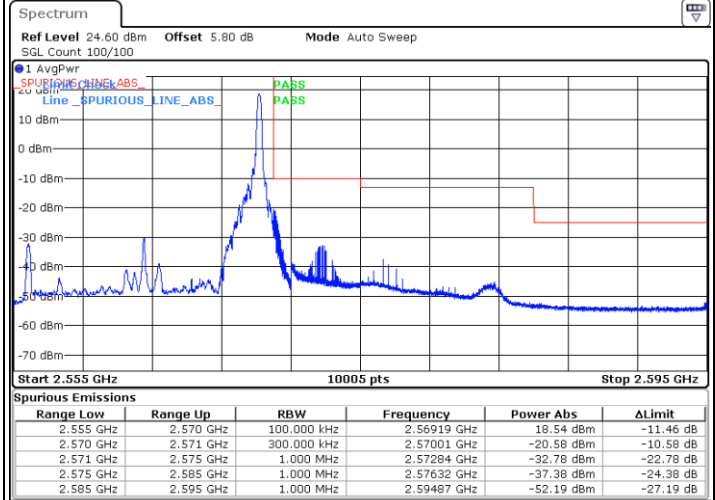


LTE Band 7 / 15MHz / 16QAM

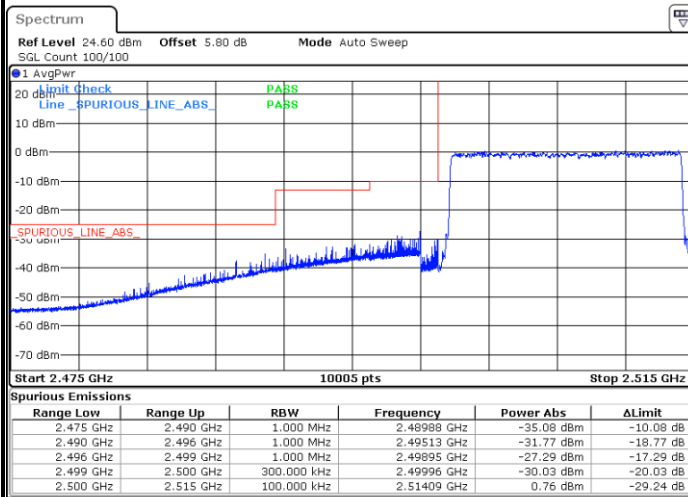
Lowest Band Edge / 1 RB



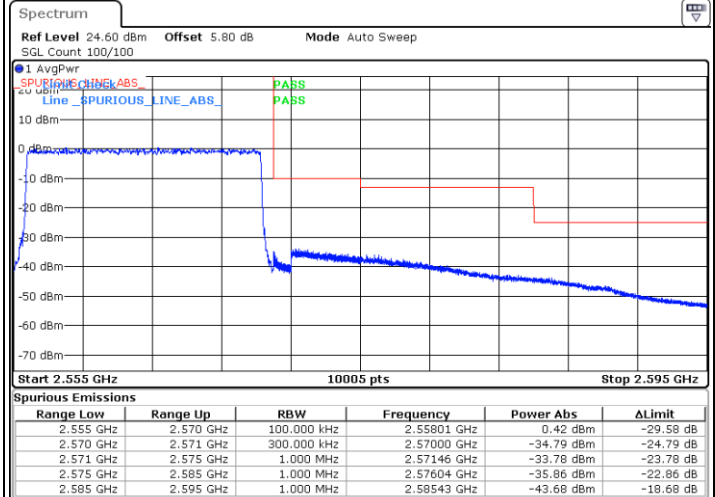
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



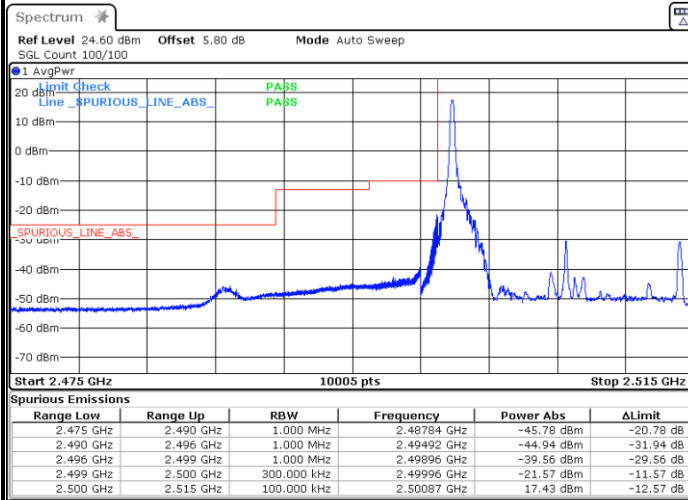
Highest Band Edge / Full RB



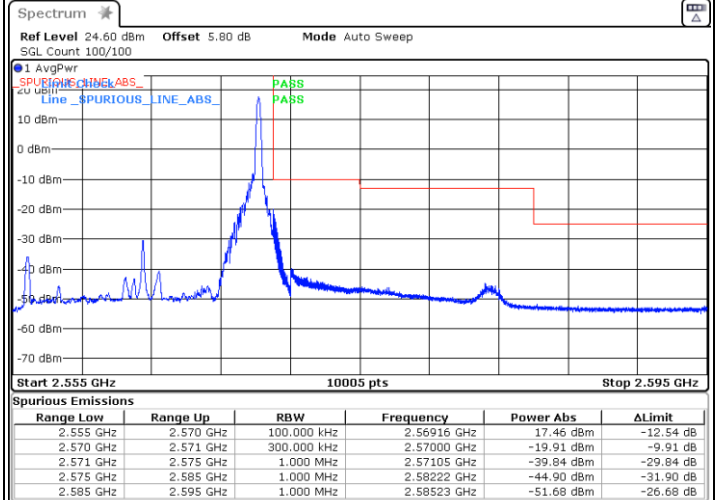


LTE Band 7 / 15MHz / 64QAM

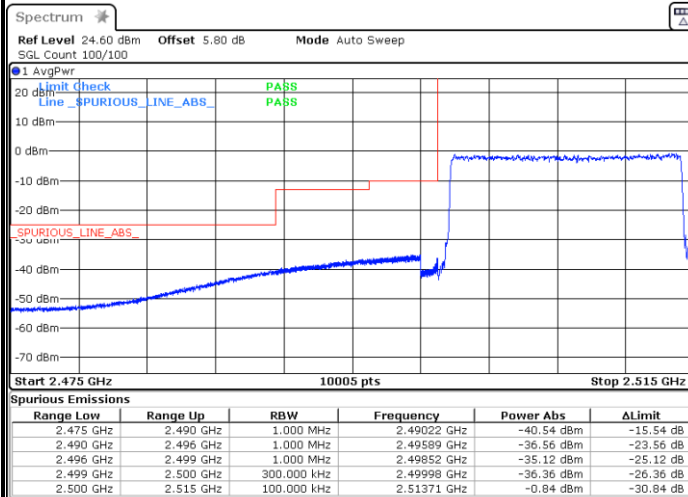
Lowest Band Edge / 1 RB



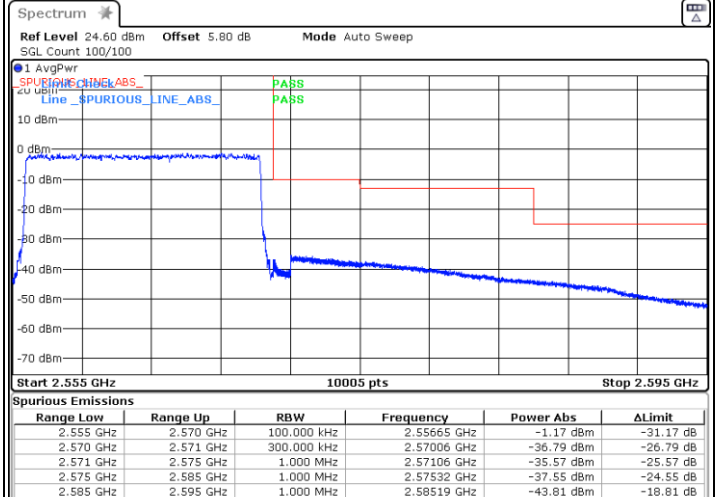
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



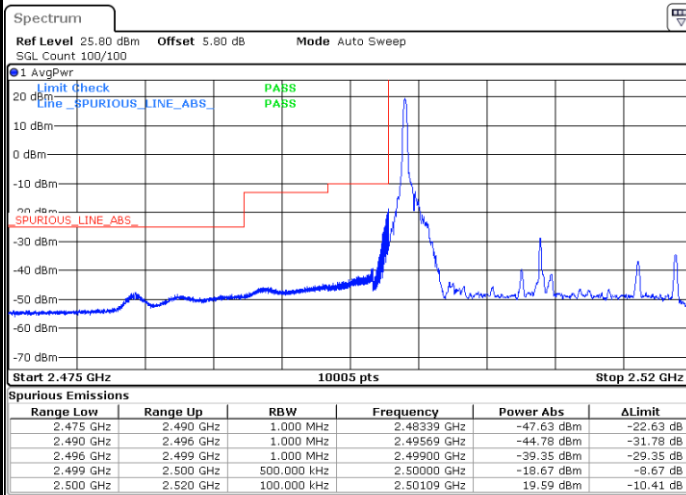
Highest Band Edge / Full RB



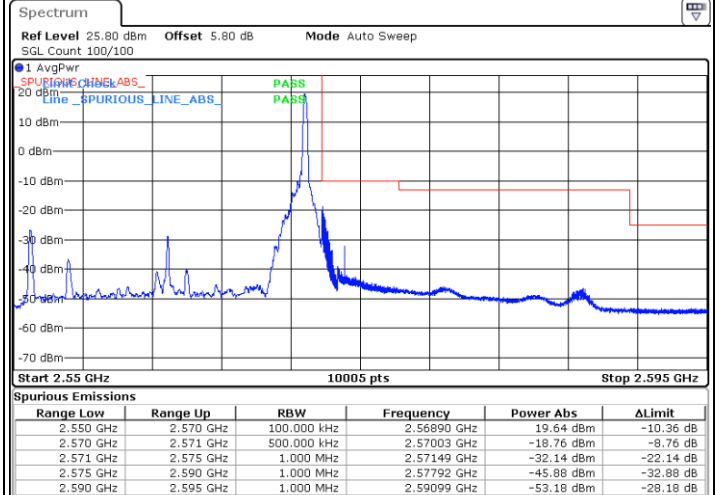


LTE Band 7 / 20MHz / QPSK

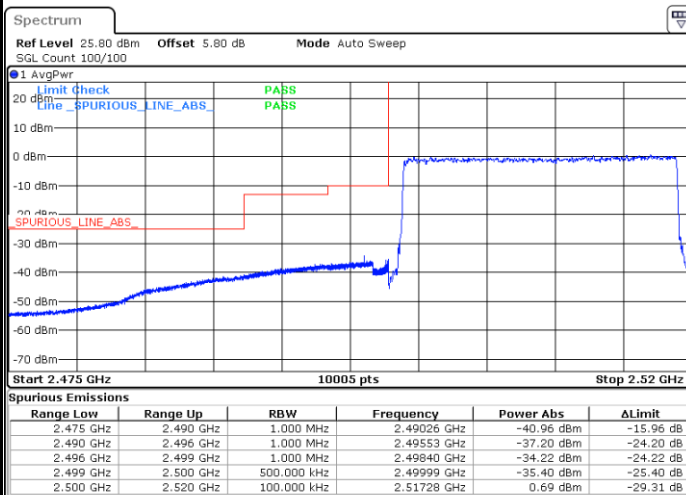
Lowest Band Edge / 1 RB



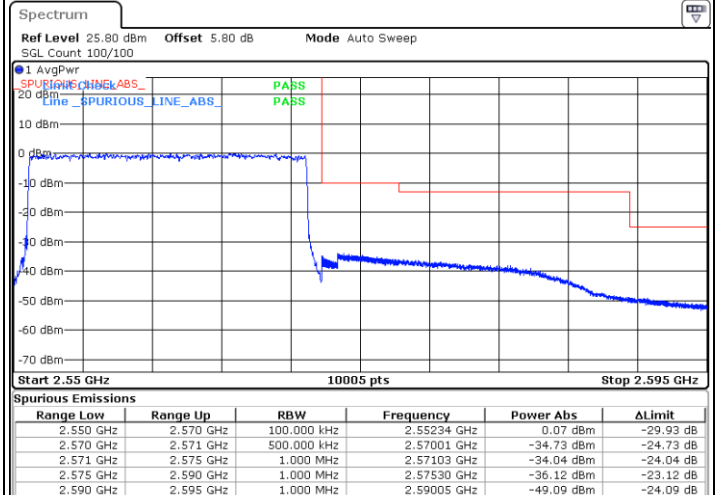
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



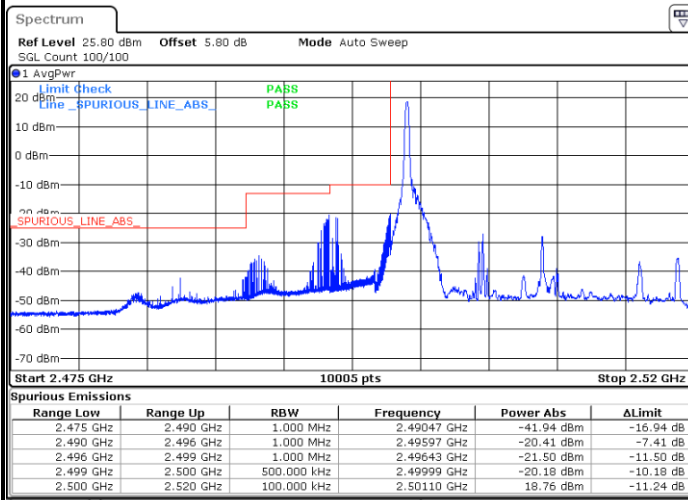
Highest Band Edge / Full RB





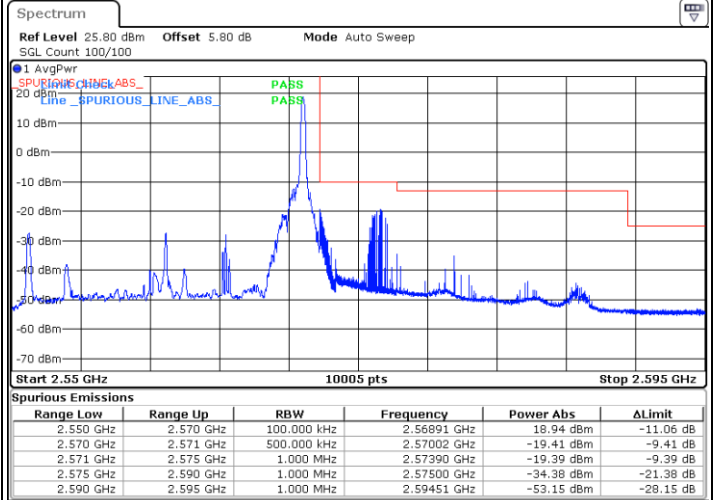
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



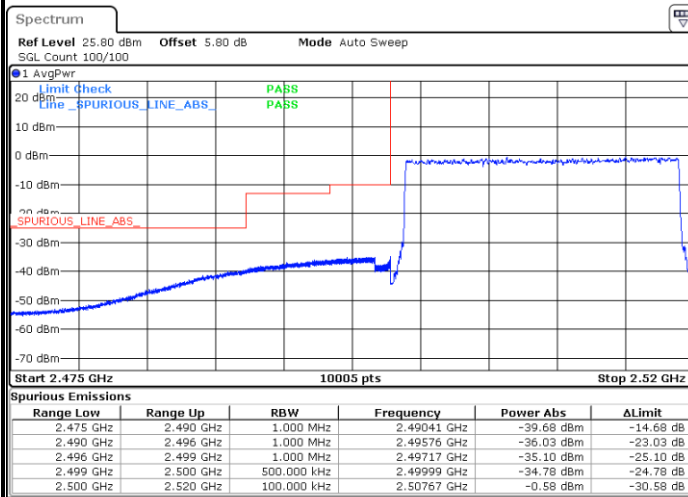
Date: 27.AUG.2022 02:20:56

Highest Band Edge / 1 RB



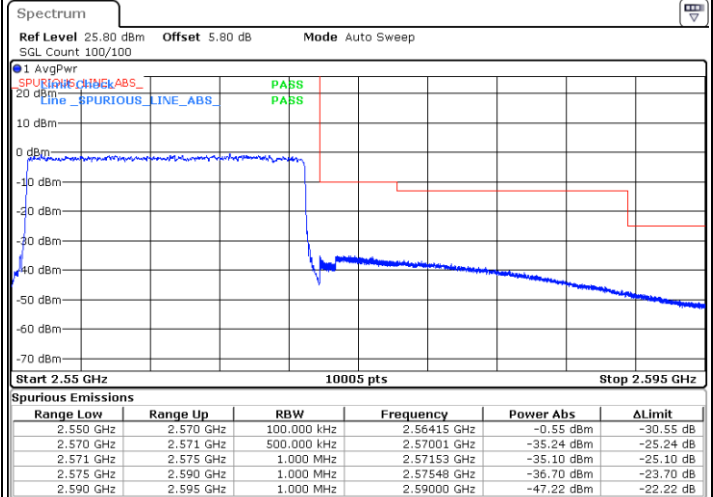
Date: 27.AUG.2022 02:34:34

Lowest Band Edge / Full RB



Date: 27.AUG.2022 02:21:29

Highest Band Edge / Full RB

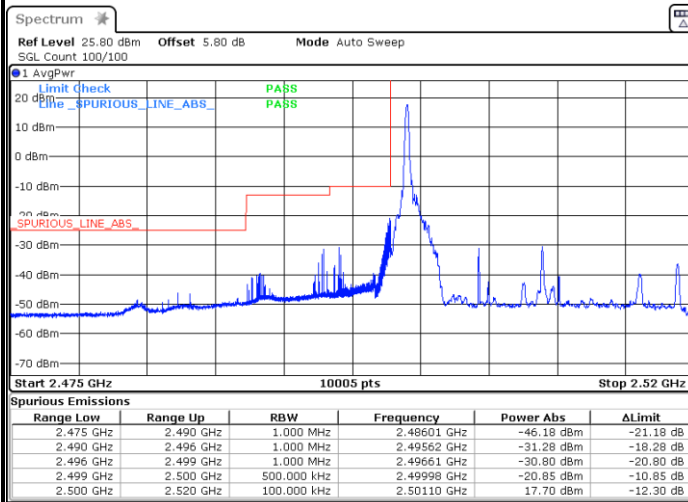


Date: 27.AUG.2022 02:36:11

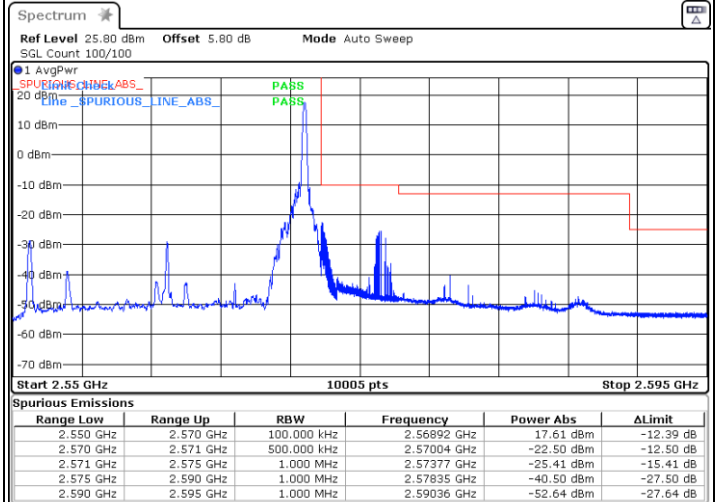


LTE Band 7 / 20MHz / 64QAM

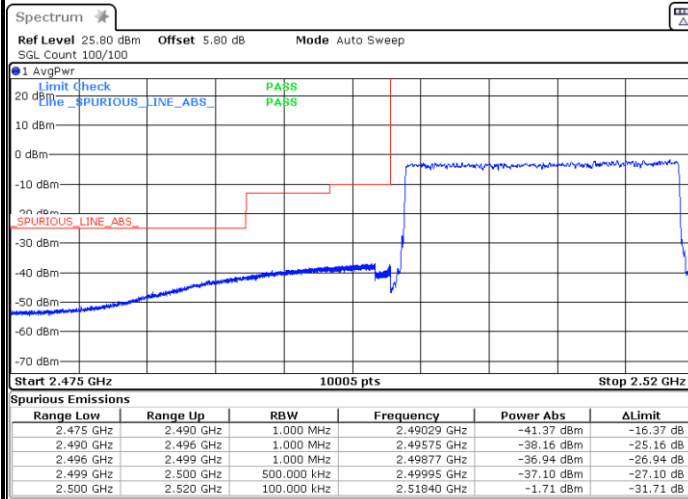
Lowest Band Edge / 1 RB



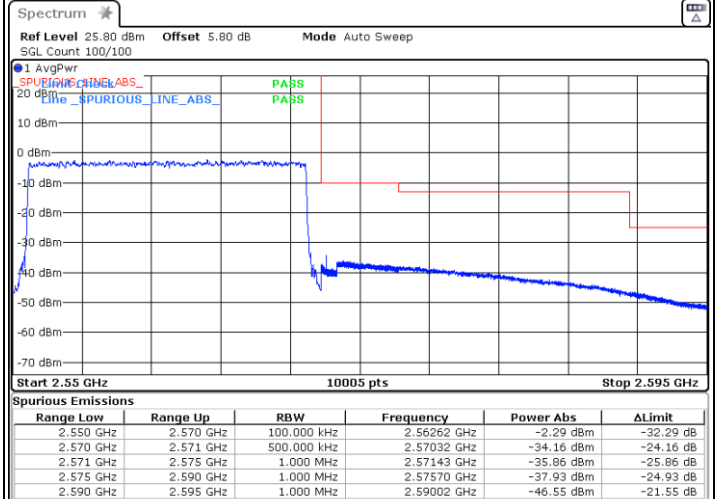
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

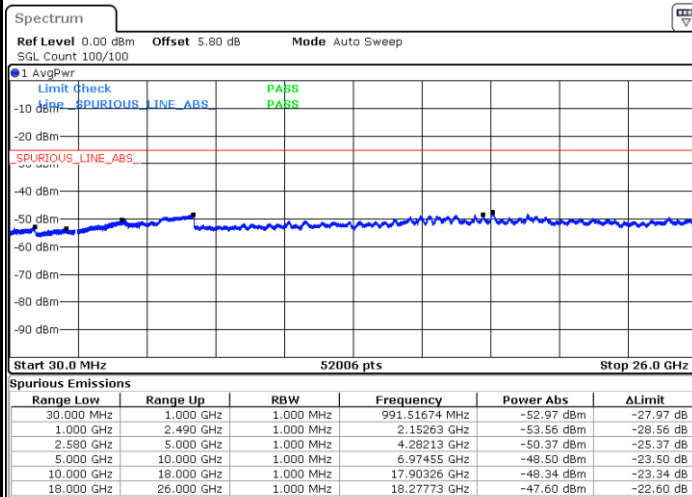




Conducted Spurious Emission

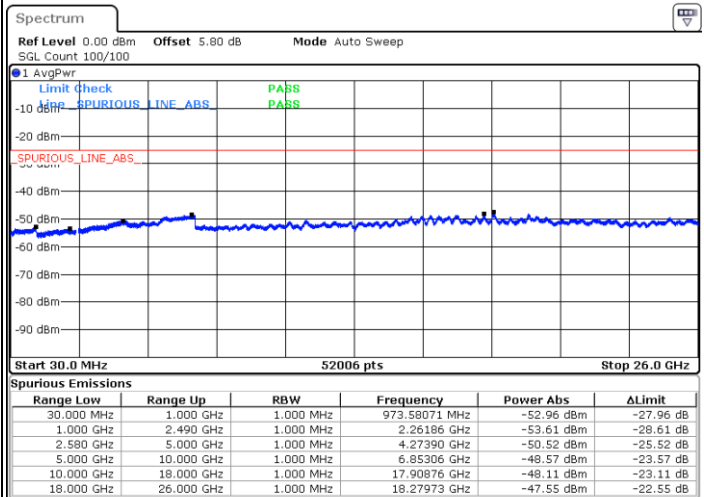
LTE Band 7 / 5MHz

Lowest Channel / QPSK



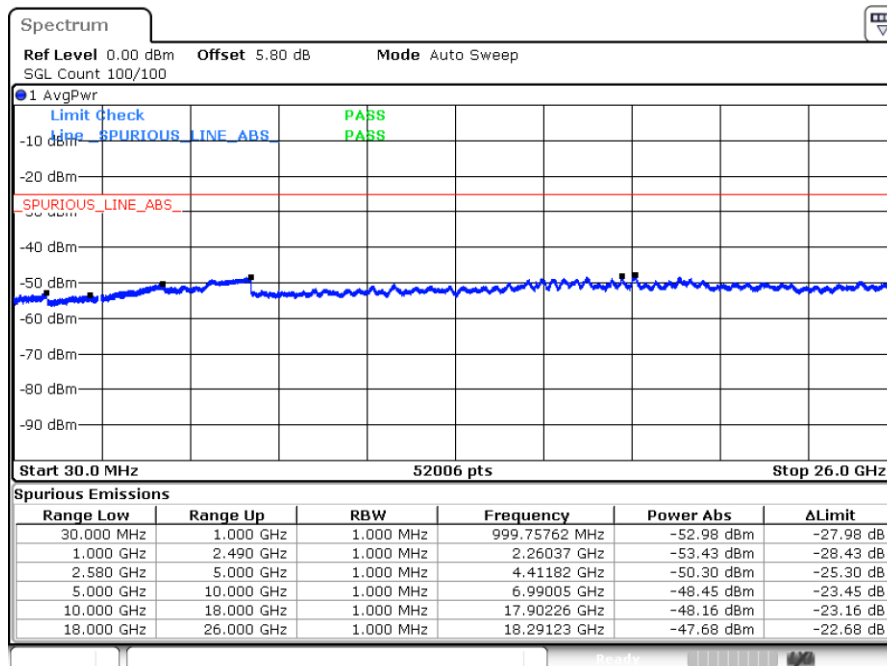
Date: 27.AUG.2022 01:41:33

Middle Channel / QPSK



Date: 27.AUG.2022 01:43:36

Highest Channel / QPSK

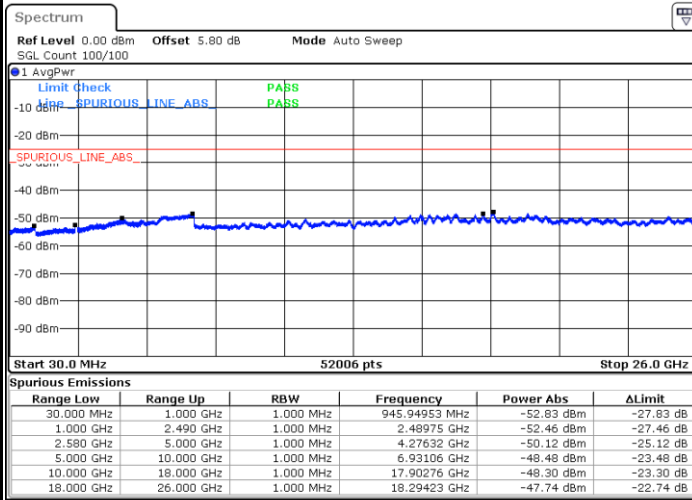


Date: 27.AUG.2022 01:45:19



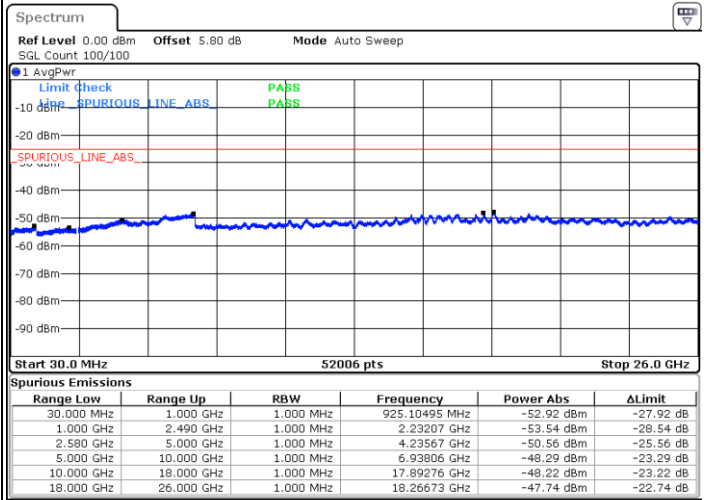
LTE Band 7 / 10MHz

Lowest Channel / QPSK



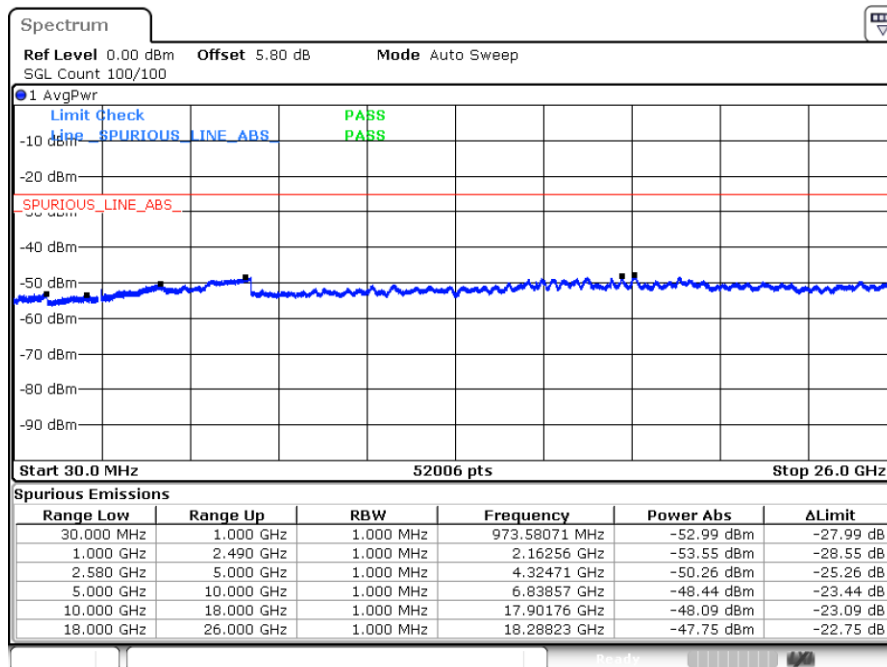
Date: 27.AUG.2022 01:54:22

Middle Channel / QPSK



Date: 27.AUG.2022 01:56:29

Highest Channel / QPSK

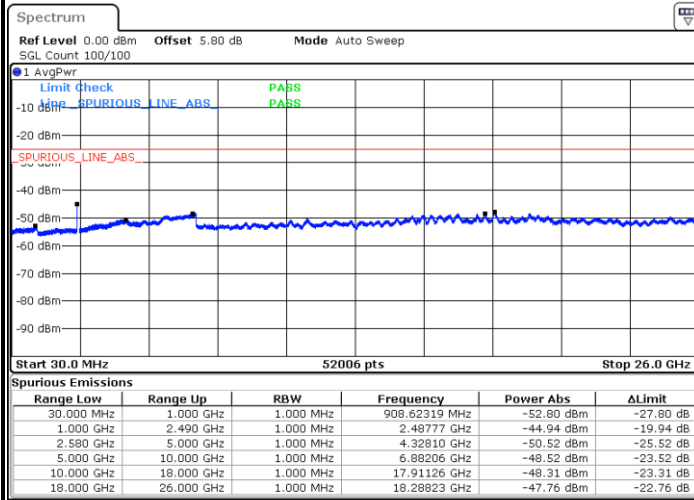


Date: 27.AUG.2022 01:58:16



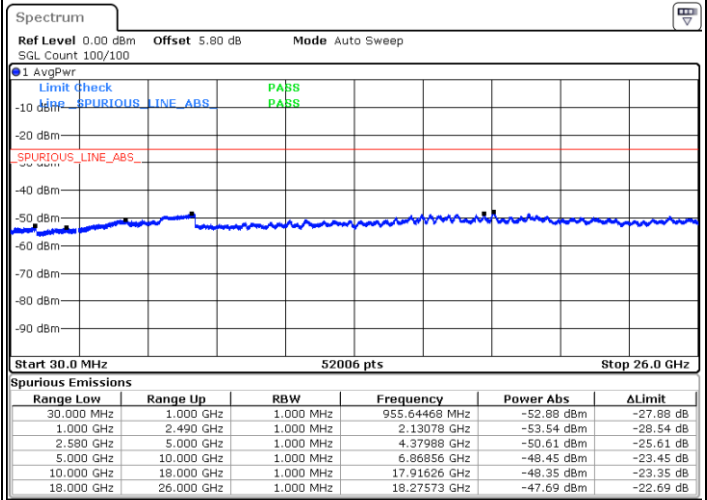
LTE Band 7 / 15MHz

Lowest Channel / QPSK



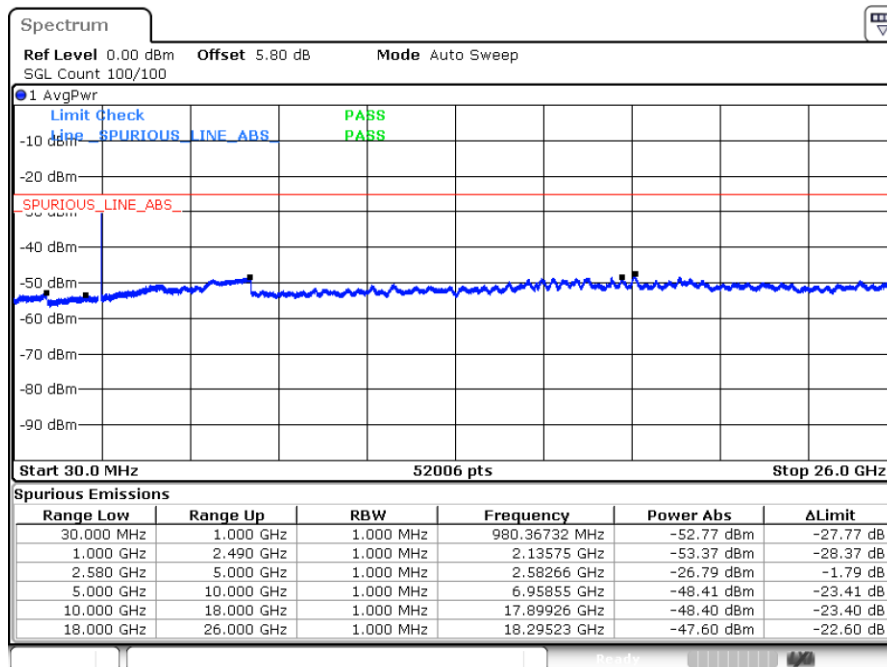
Date: 27.AUG.2022 02:08:53

Middle Channel / QPSK



Date: 27.AUG.2022 02:10:55

Highest Channel / QPSK

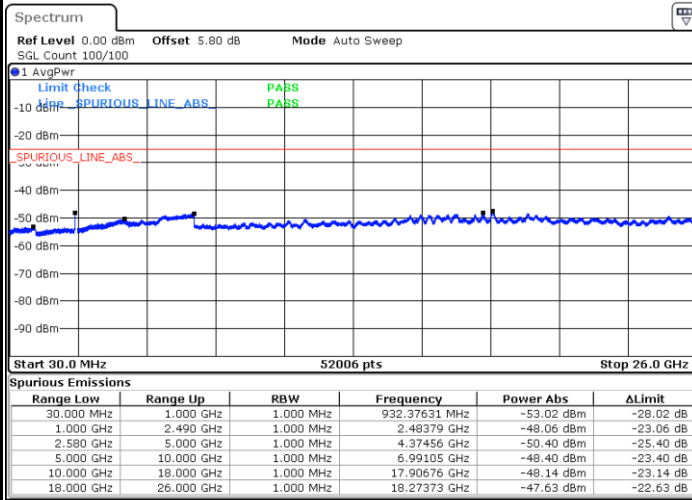


Date: 27.AUG.2022 02:14:46



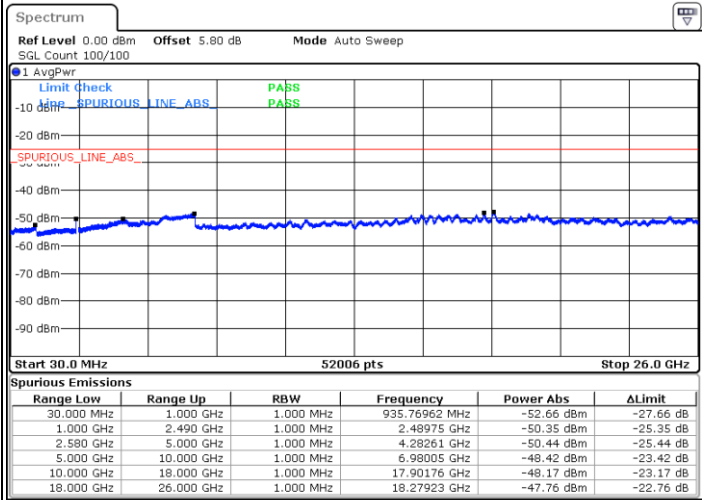
LTE Band 7 / 20MHz

Lowest Channel / QPSK



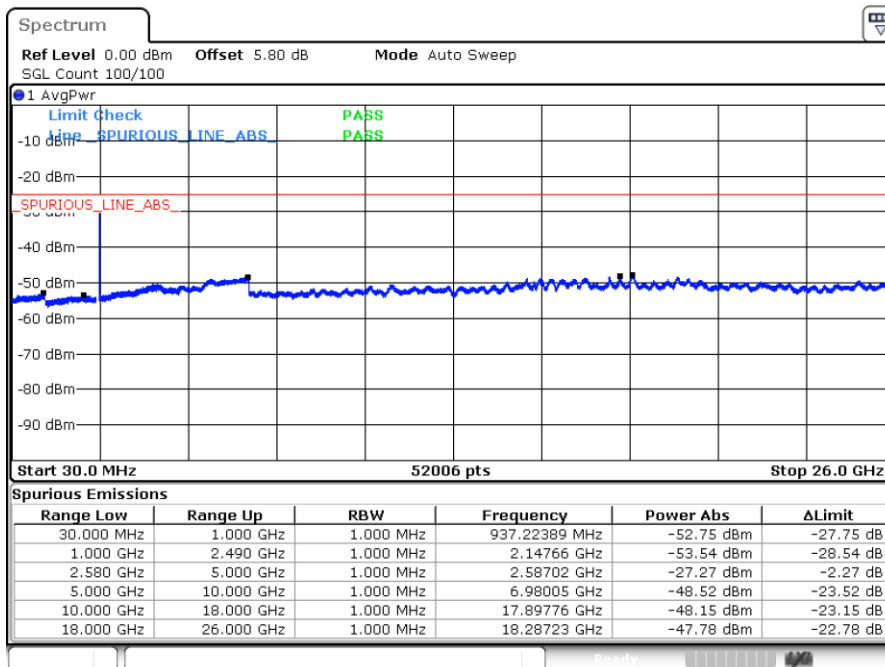
Date: 27.AUG.2022 02:24:26

Middle Channel / QPSK



Date: 27.AUG.2022 02:28:08

Highest Channel / QPSK



Date: 27.AUG.2022 02:43:29

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	0.0012	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0011	
20	Battery End Point	0.0013	

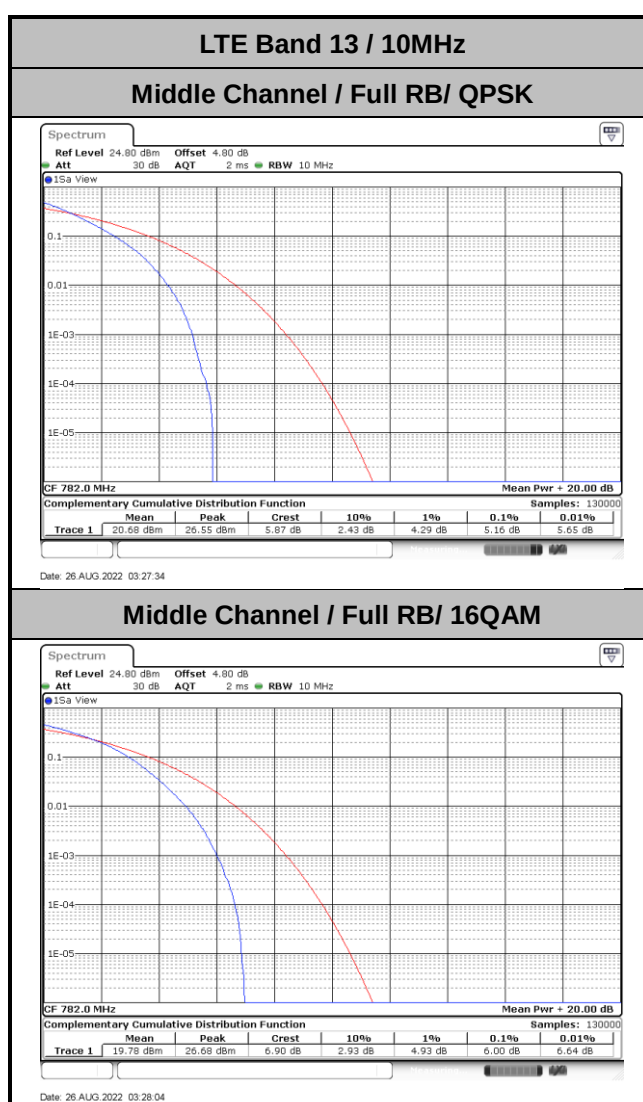
Note:

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 13

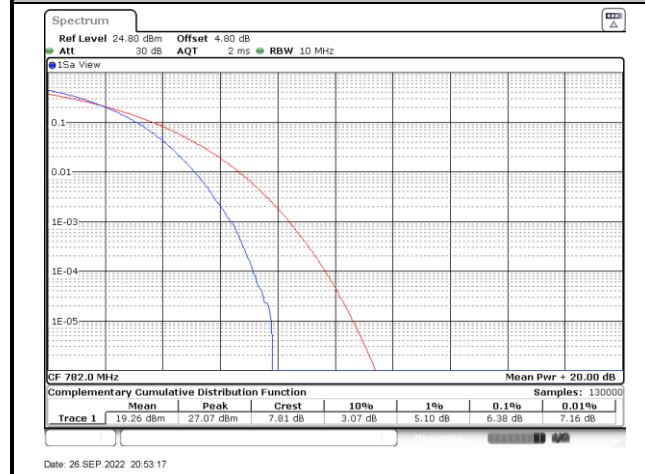
Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.16	6.00	6.38	PASS





Middle Channel / Full RB/ 64QAM



**26dB Bandwidth**

Mode	LTE Band 13 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.77	9.85

