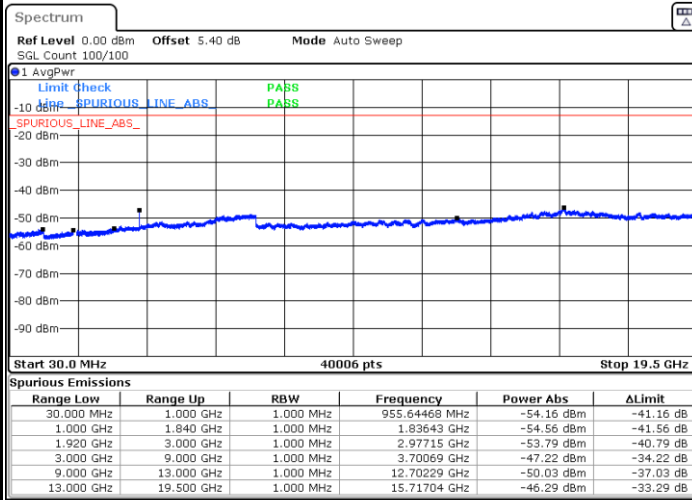




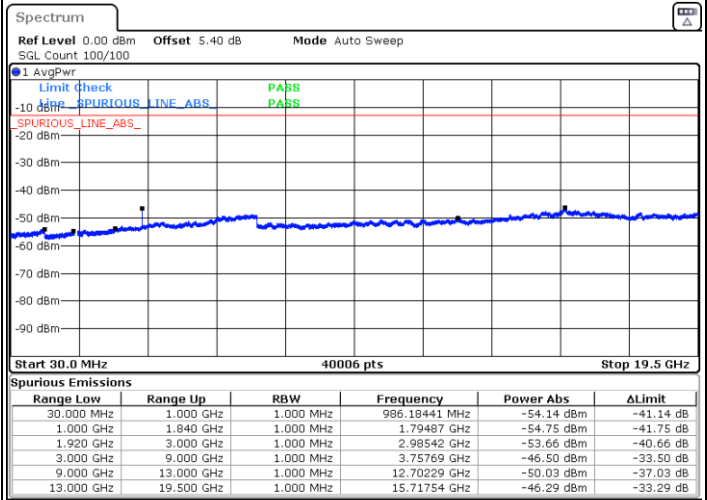
LTE Band 2 / 3MHz

Lowest Channel / QPSK



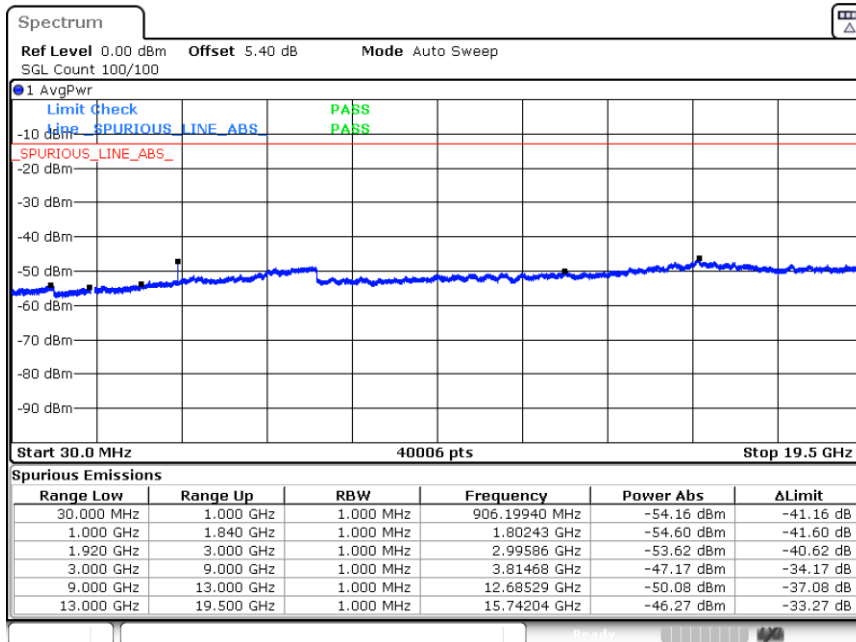
Date: 19.AUG.2022 15:04:44

Middle Channel / QPSK



Date: 19.AUG.2022 15:16:53

Highest Channel / QPSK

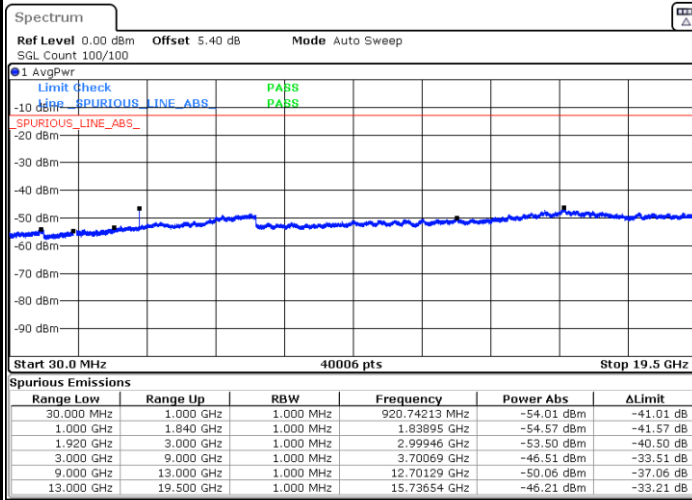


Date: 19.AUG.2022 15:18:16



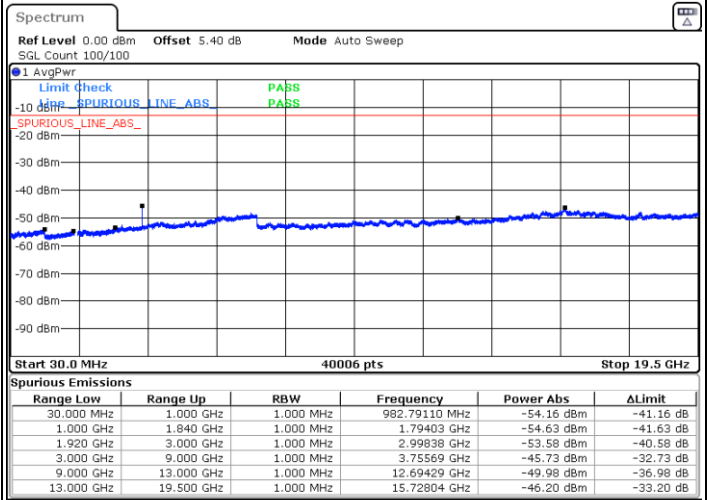
LTE Band 2 / 5MHz

Lowest Channel / QPSK



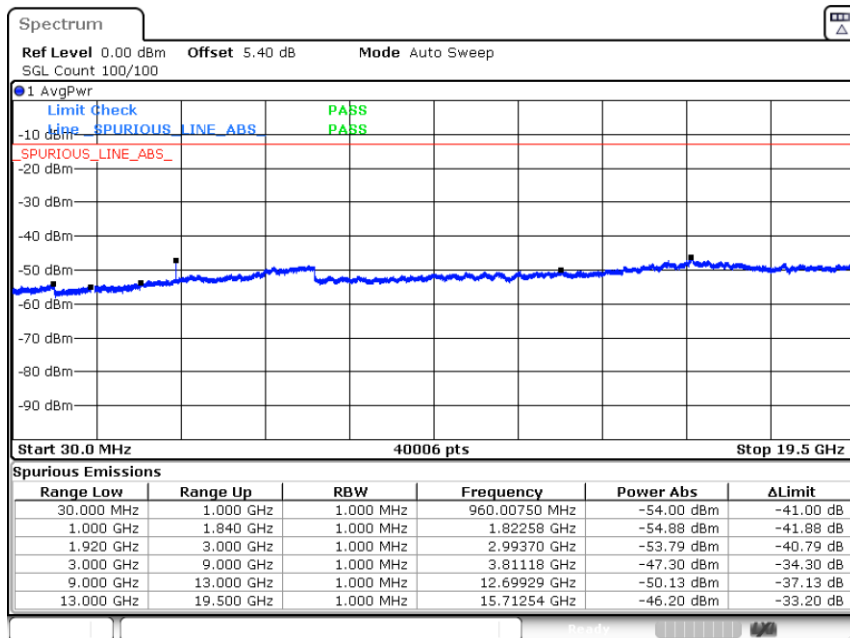
Date: 19.AUG.2022 15:30:27

Middle Channel / QPSK



Date: 19.AUG.2022 15:42:43

Highest Channel / QPSK

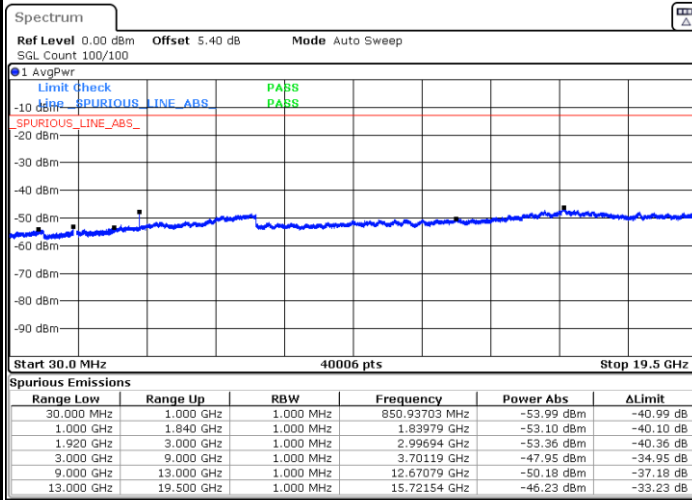


Date: 19.AUG.2022 15:44:05



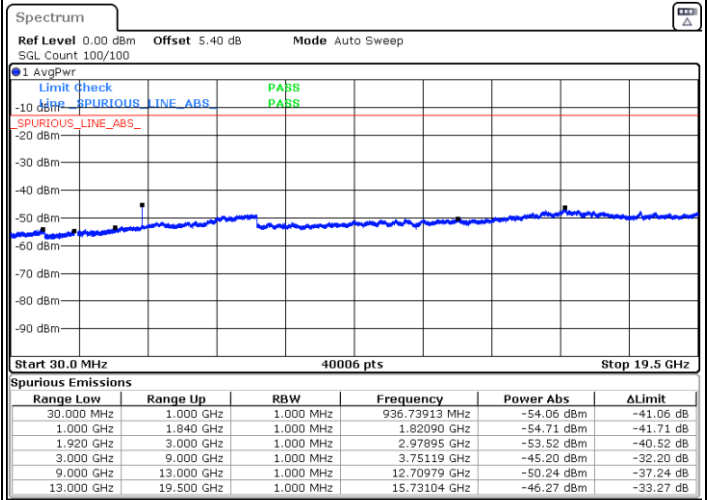
LTE Band 2 / 10MHz

Lowest Channel / QPSK



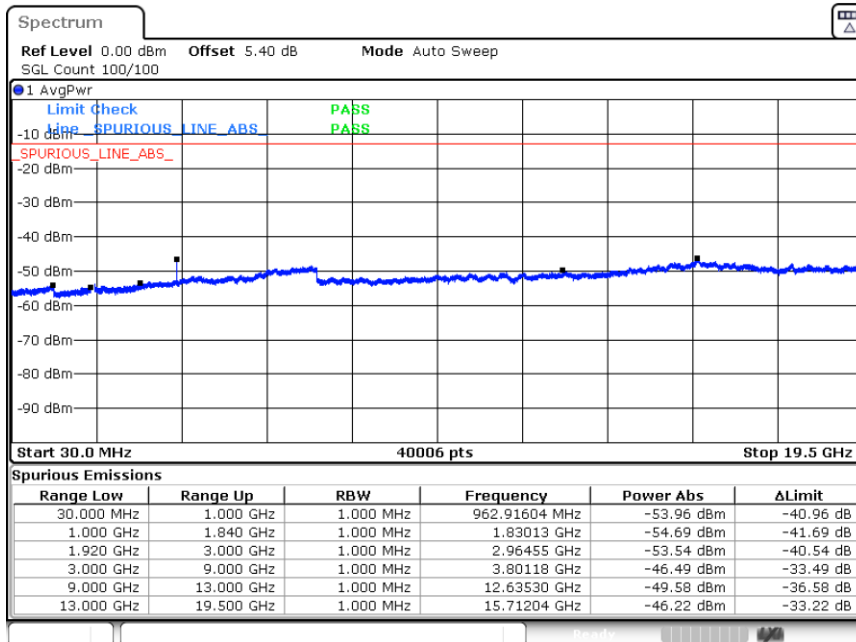
Date: 19.AUG.2022 15:56:17

Middle Channel / QPSK



Date: 19.AUG.2022 16:09:43

Highest Channel / QPSK

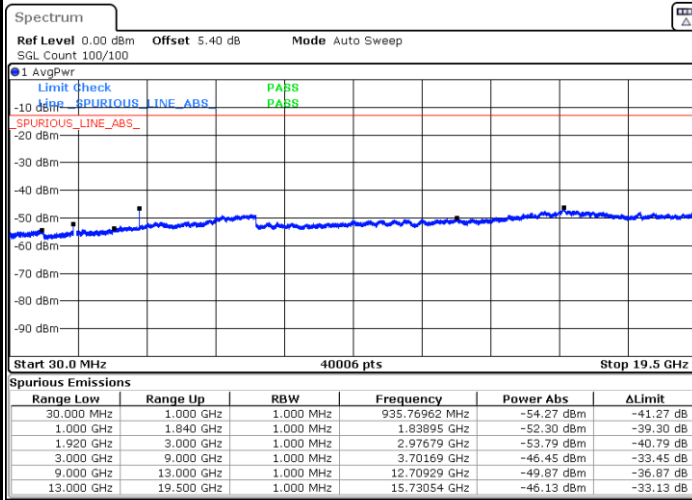


Date: 19.AUG.2022 16:11:05



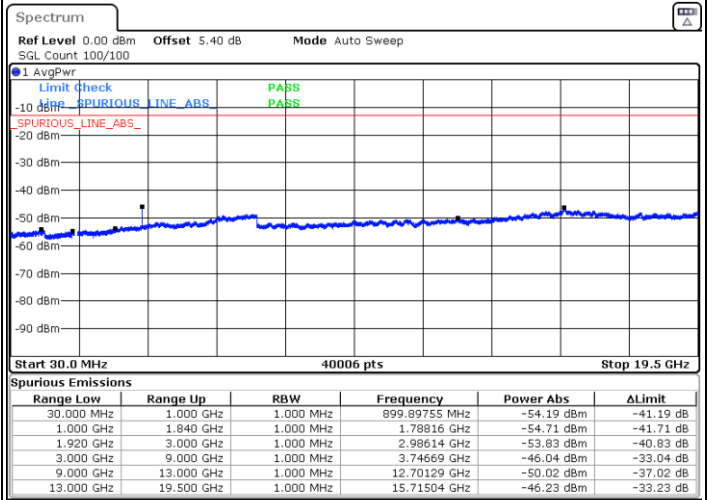
LTE Band 2 / 15MHz

Lowest Channel / QPSK



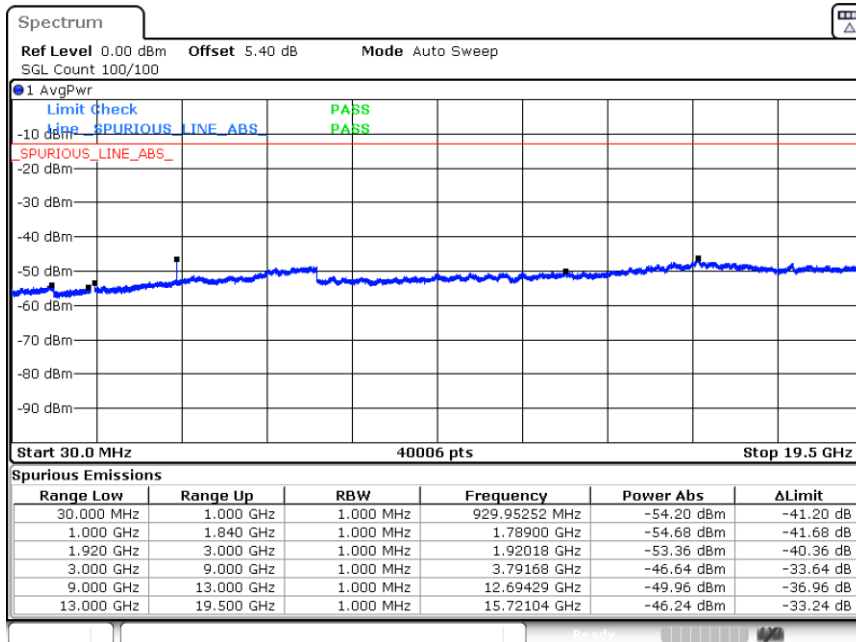
Date: 19.AUG.2022 16:24:33

Middle Channel / QPSK



Date: 19.AUG.2022 16:36:43

Highest Channel / QPSK

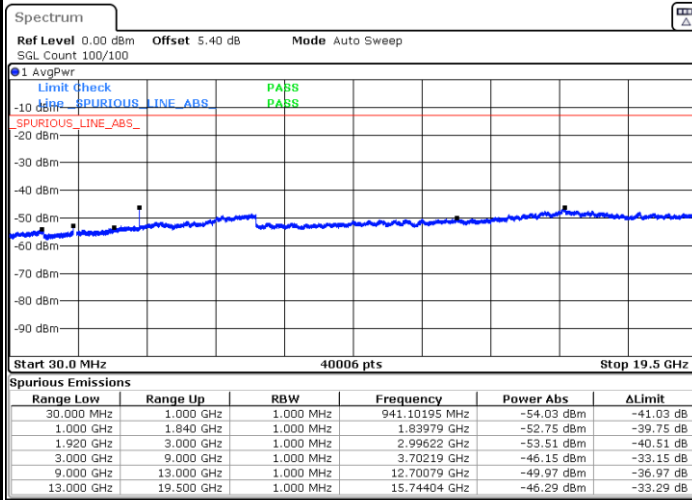


Date: 19.AUG.2022 16:38:05



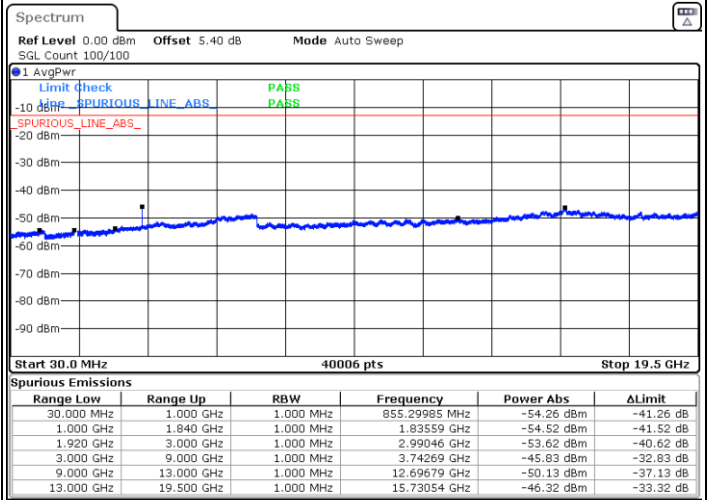
LTE Band 2 / 20MHz

Lowest Channel / QPSK



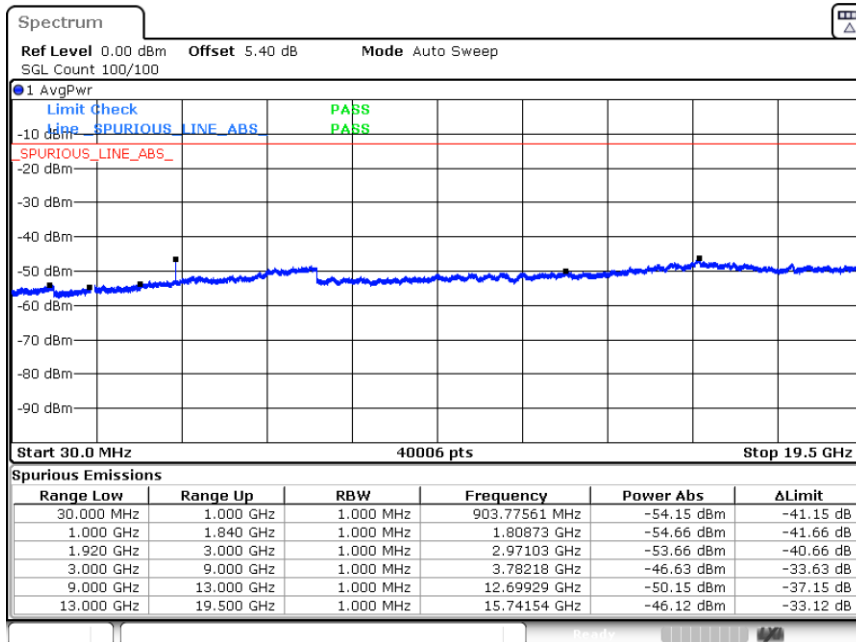
Date: 19.AUG.2022 16:50:21

Middle Channel / QPSK



Date: 19.AUG.2022 17:02:31

Highest Channel / QPSK



Date: 19.AUG.2022 17:03:53

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	0.0077	PASS
40	Normal Voltage	0.0045	
30	Normal Voltage	0.0062	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0028	
0	Normal Voltage	0.0039	
-10	Normal Voltage	0.0068	
-20	Normal Voltage	0.0041	
-30	Normal Voltage	0.0020	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0010	
20	Minimum Voltage	0.0027	

Note:

1. Normal Voltage =12 V. ; Minimum Voltage (BEP) =11.4 V. ; Maximum Voltage =12.6 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 5 for Ant.0

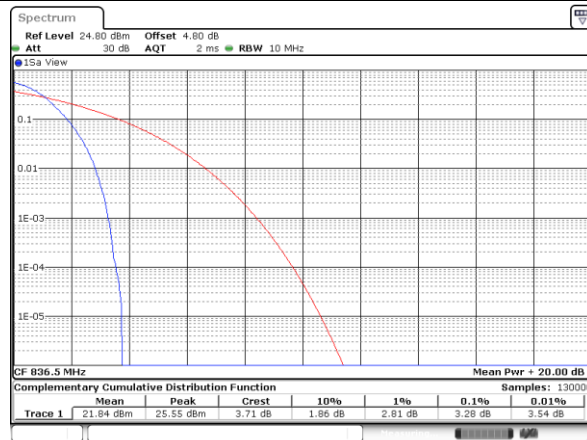
Peak-to-Average Ratio

Mode	LTE Band 5 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	3.28	4.06	4.55	PASS



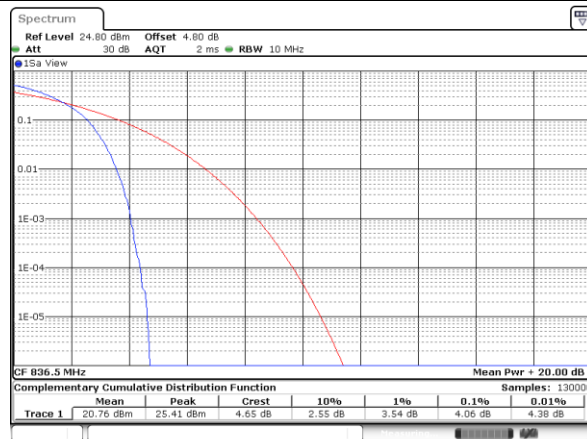
LTE Band 5 / 10MHz

Middle Channel / Full RB/ QPSK



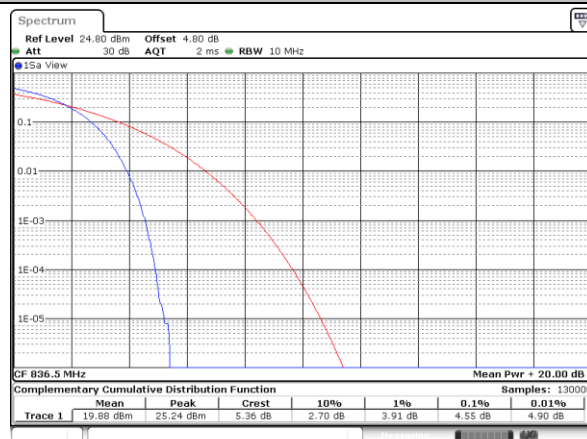
Date: 17.AUG.2022 20:04:28

Middle Channel / Full RB/ 16QAM



Date: 17.AUG.2022 20:04:52

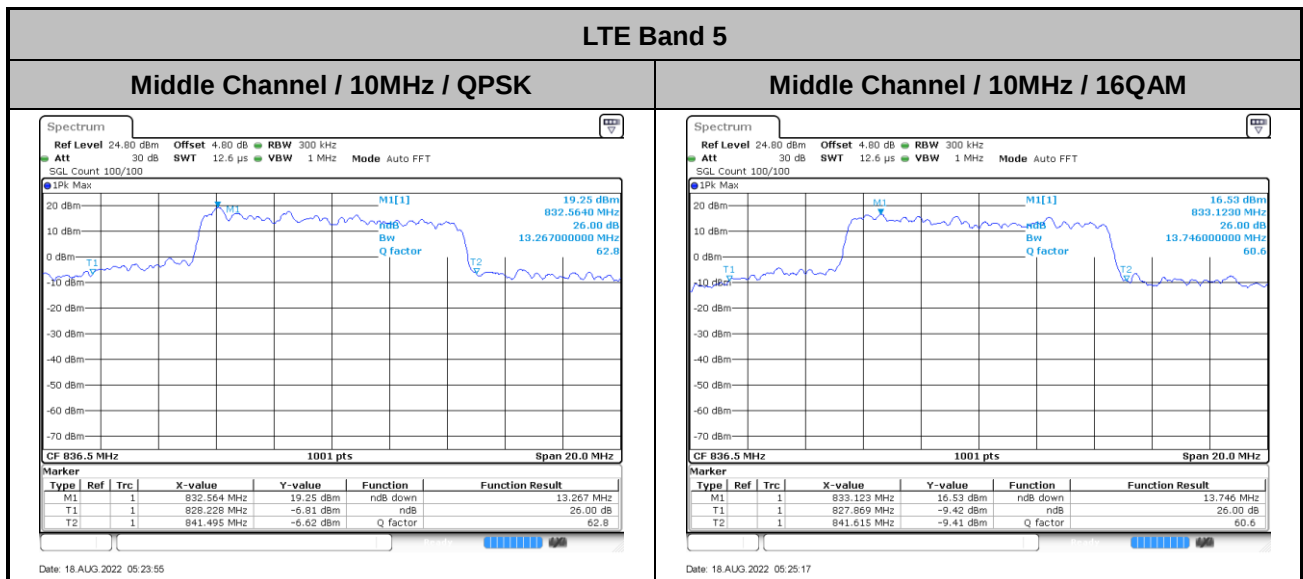
Middle Channel / Full RB/ 64QAM



Date: 17.AUG.2022 20:05:16

**26dB Bandwidth**

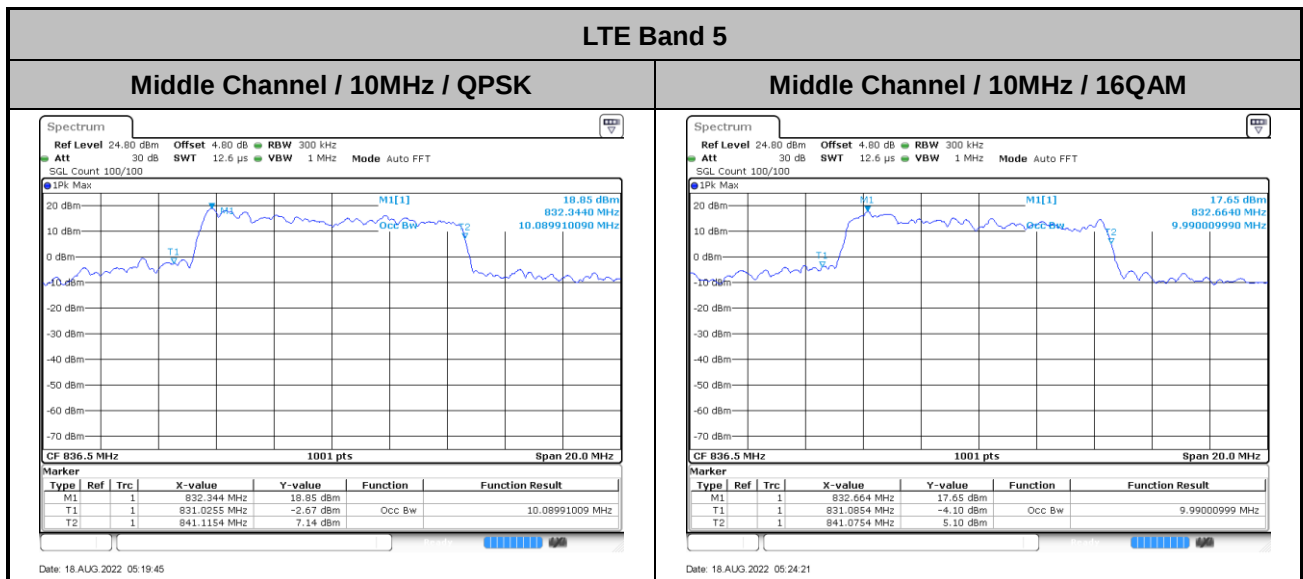
Mode	LTE Band 5 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	13.27	13.75





Occupied Bandwidth

Mode	LTE Band 5 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	10.09	9.99

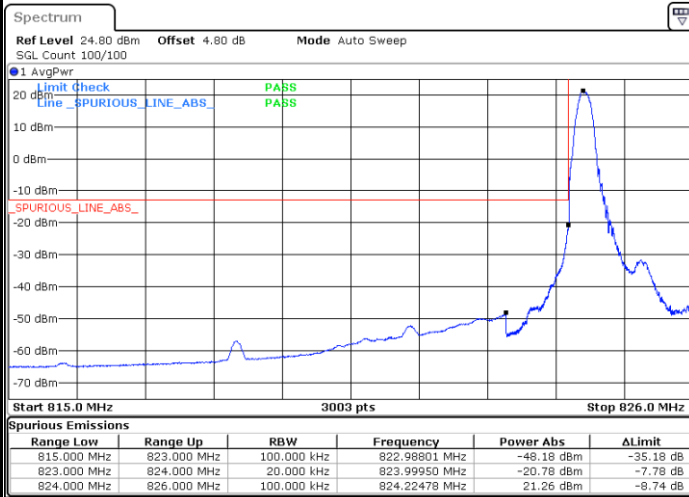




Conducted Band Edge

LTE Band 5 / 1.4MHz / QPSK

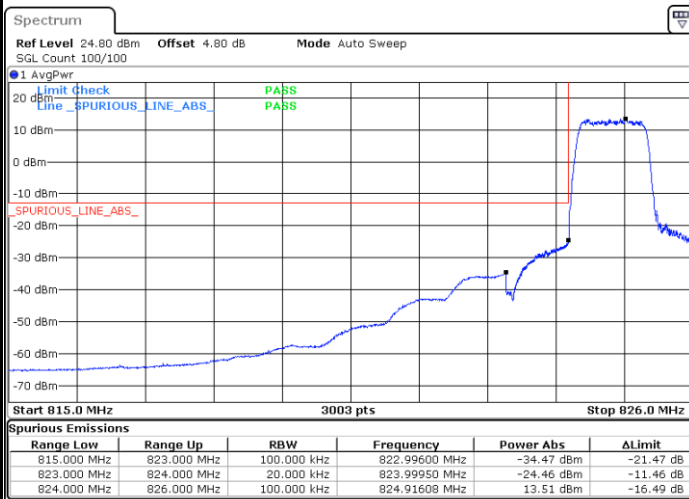
Lowest Band Edge / 1RB



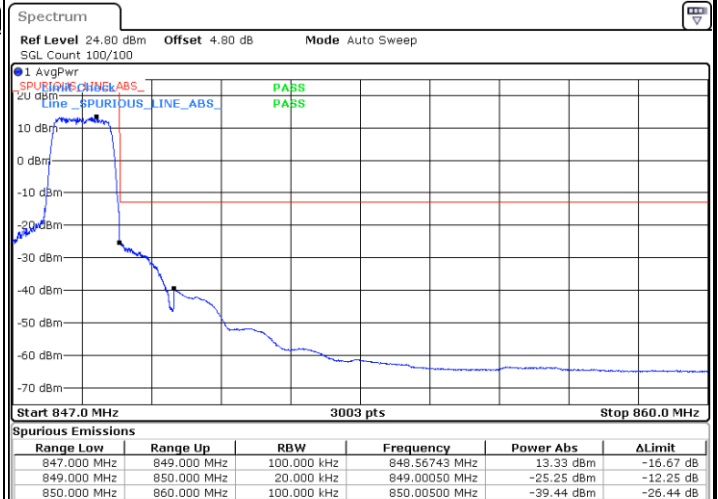
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



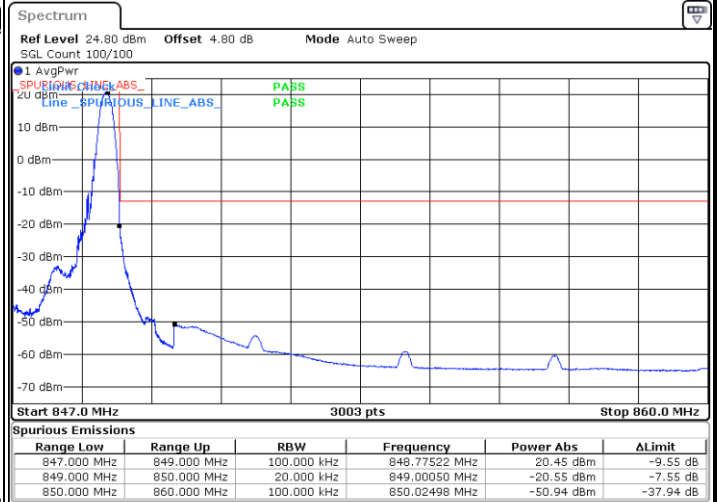


LTE Band 5 / 1.4MHz / 16QAM

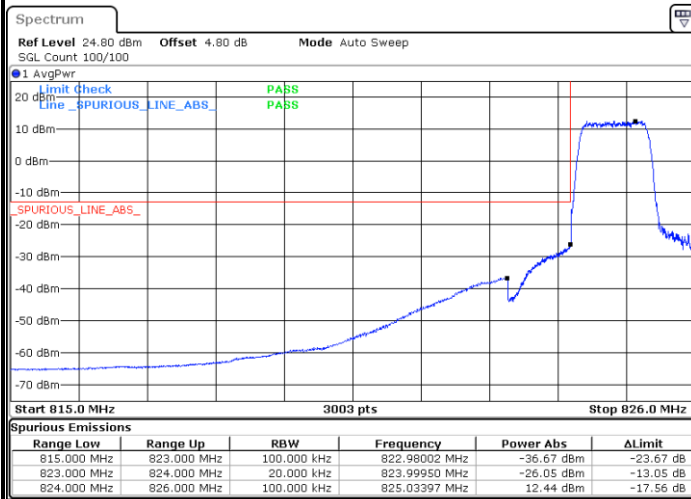
Lowest Band Edge / 1 RB



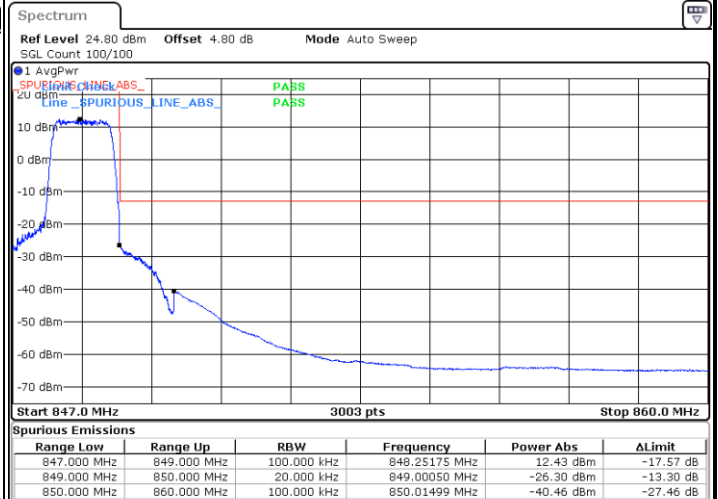
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



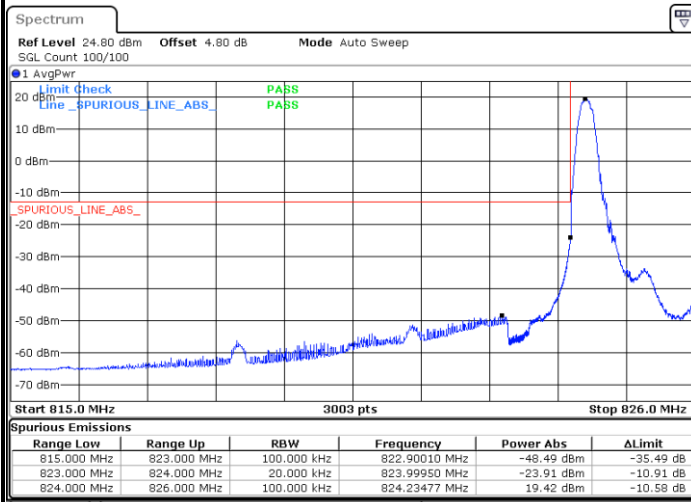
Highest Band Edge / Full RB



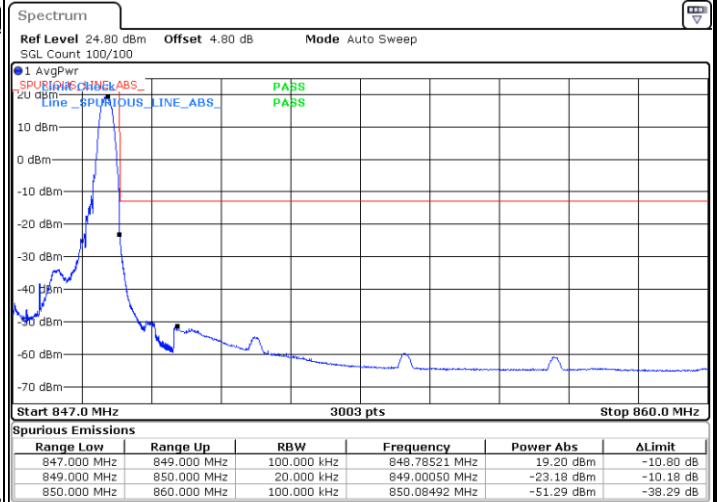


LTE Band 5 / 1.4MHz / 64QAM

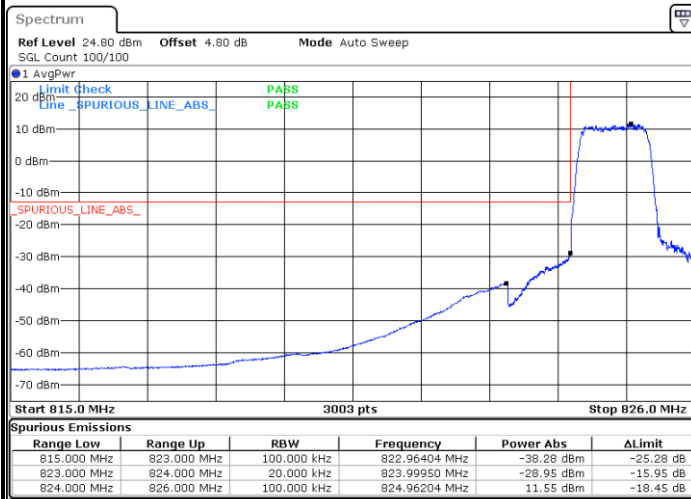
Lowest Band Edge / 1 RB



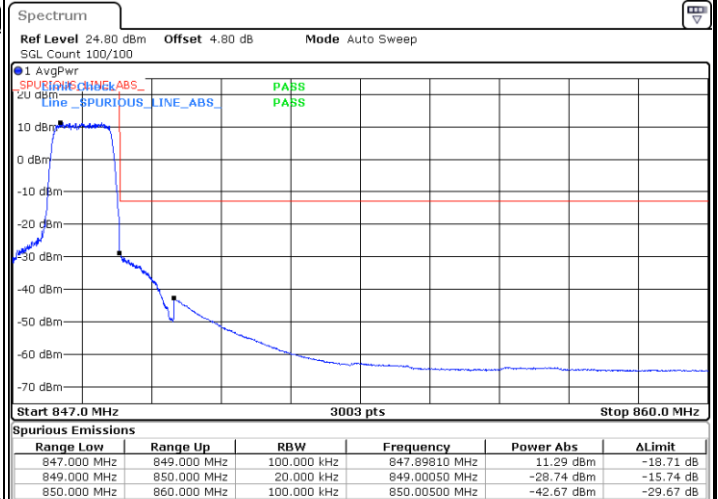
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



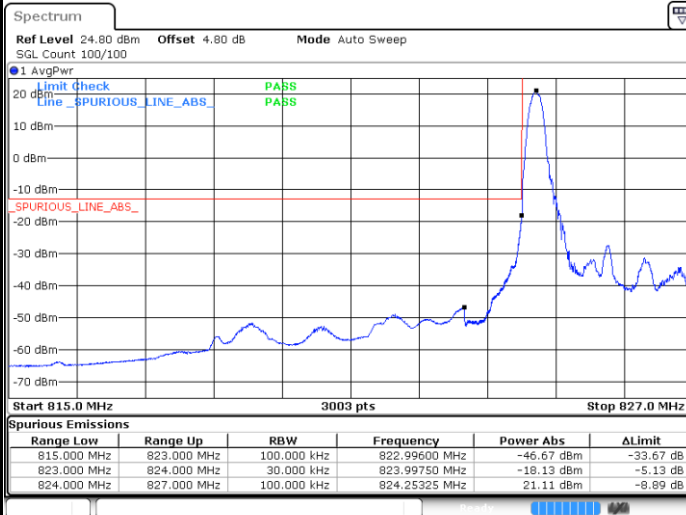
Highest Band Edge / Full RB





LTE Band 5 / 3MHz / QPSK

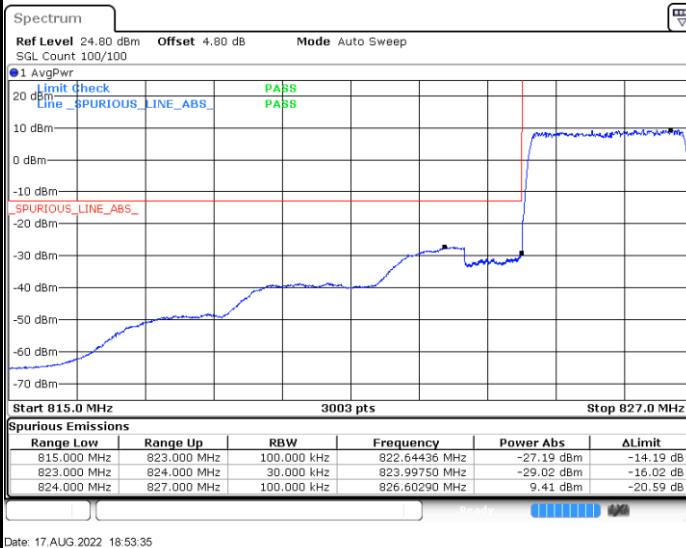
Lowest Band Edge / 1RB



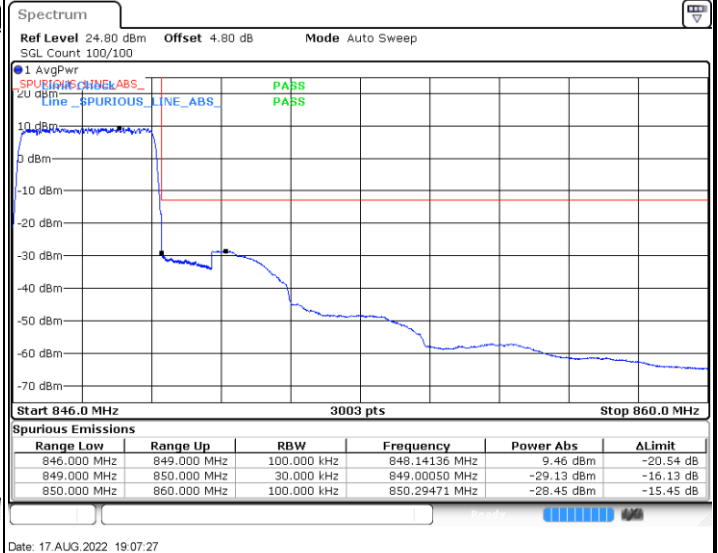
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



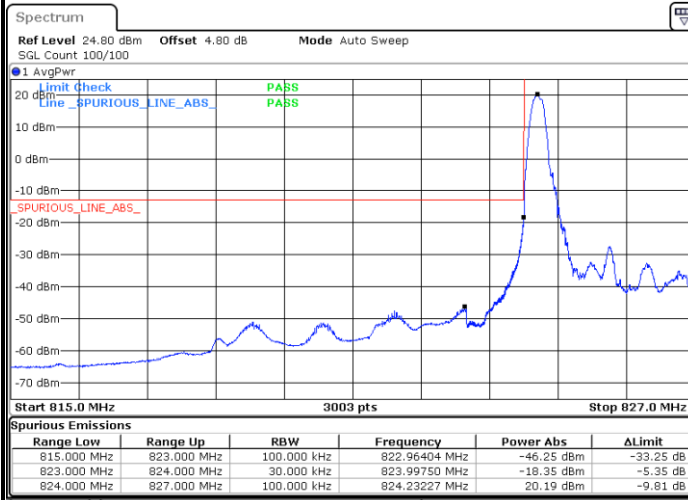
Highest Band Edge / Full RB



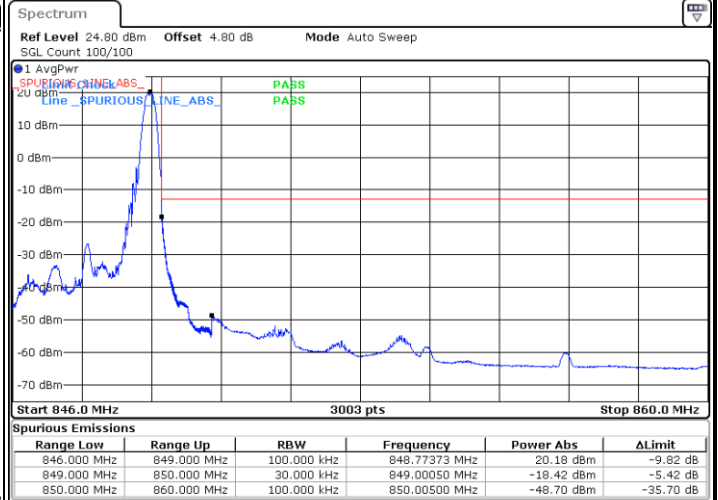


LTE Band 5 / 3MHz / 16QAM

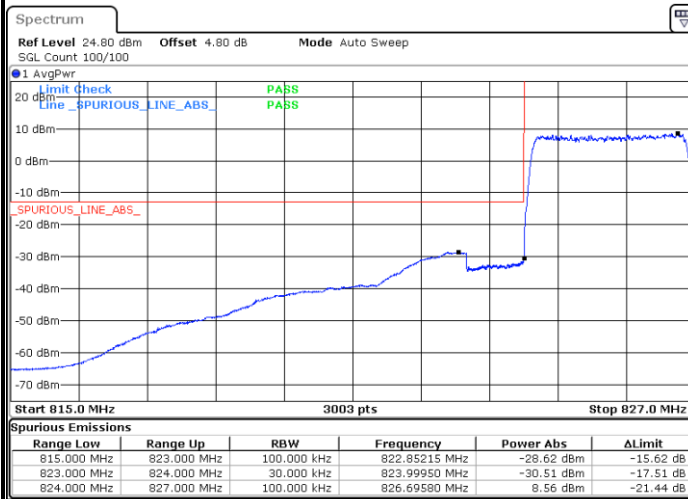
Lowest Band Edge / 1 RB



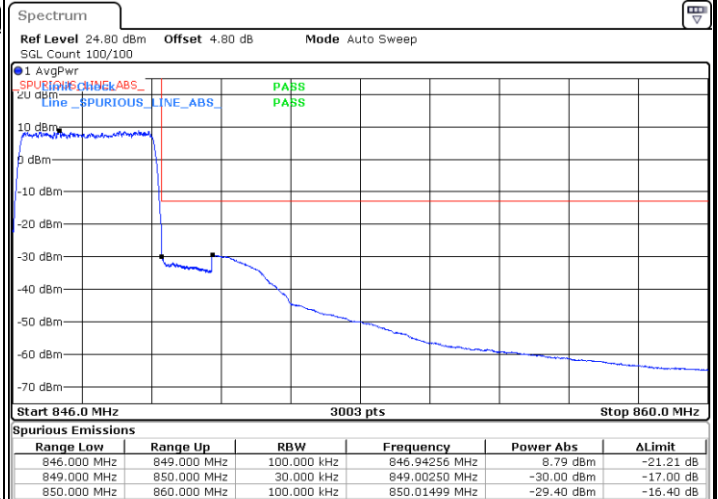
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



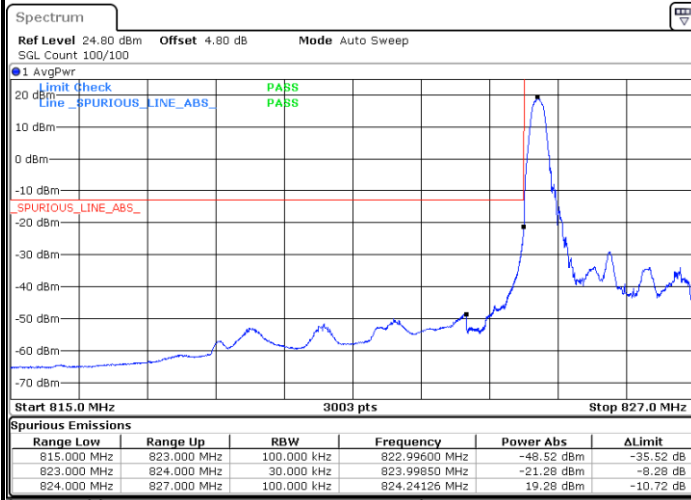
Highest Band Edge / Full RB



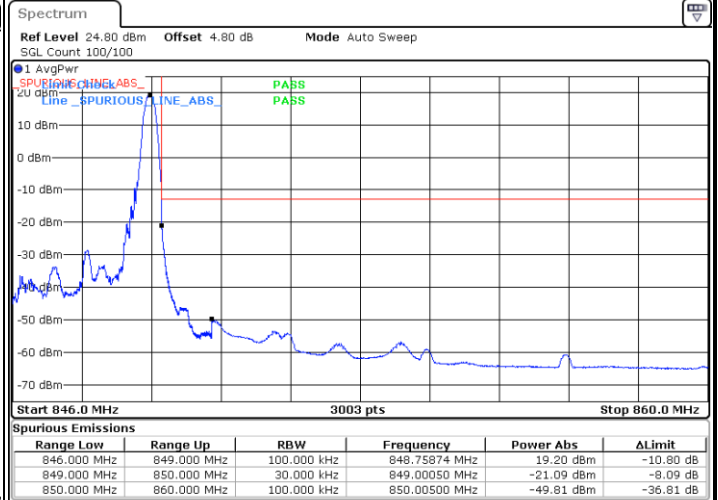


LTE Band 5 / 3MHz / 64QAM

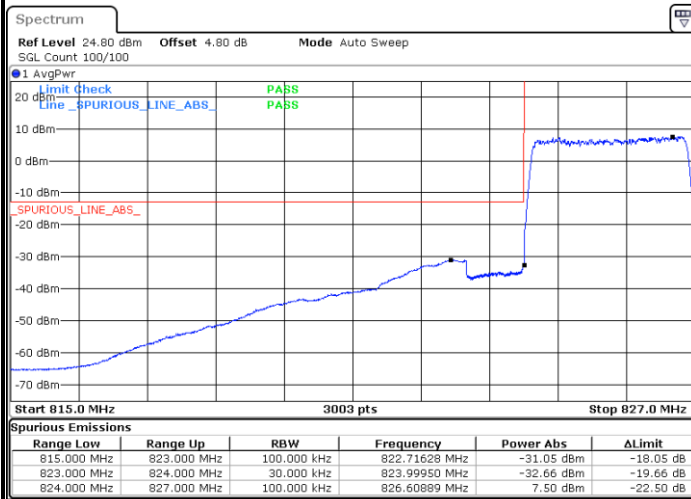
Lowest Band Edge / 1 RB



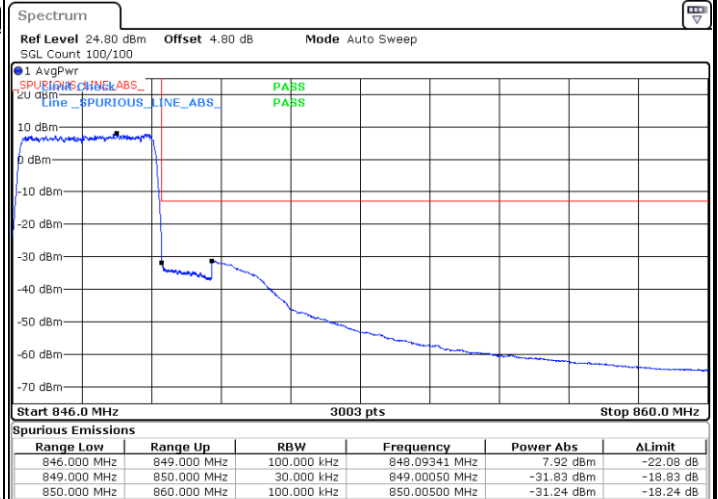
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



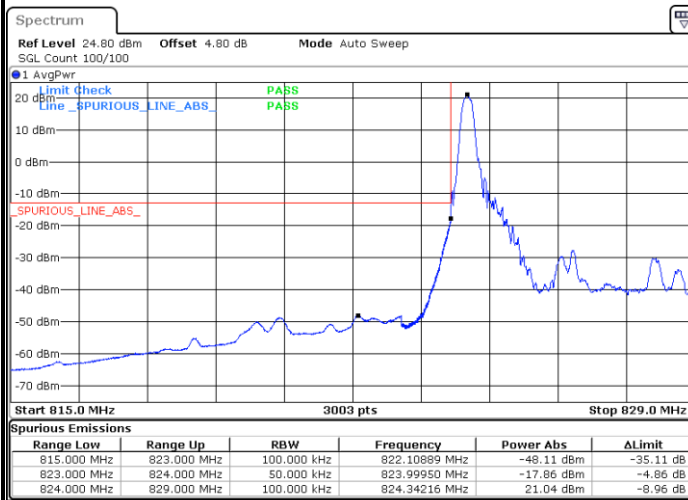
Highest Band Edge / Full RB



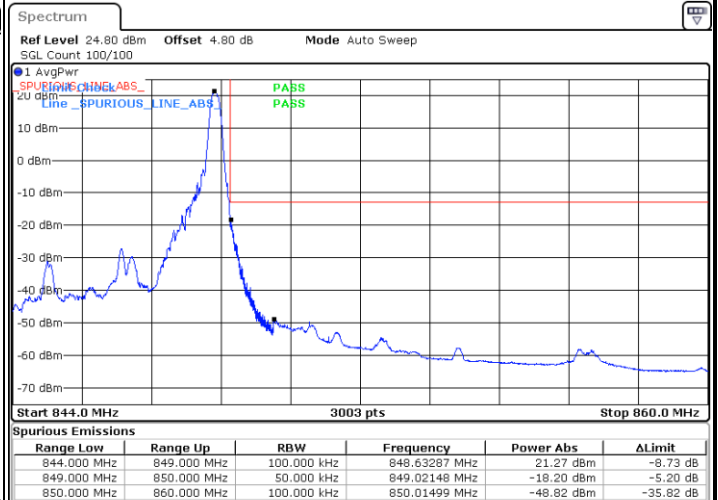


LTE Band 5 / 5MHz / QPSK

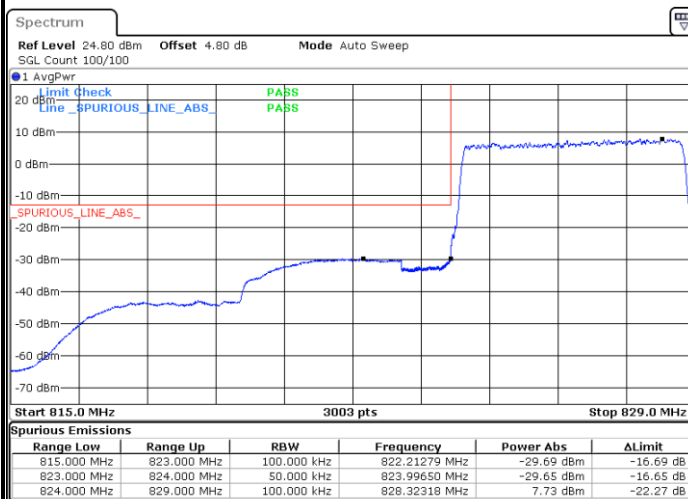
Lowest Band Edge / 1 RB



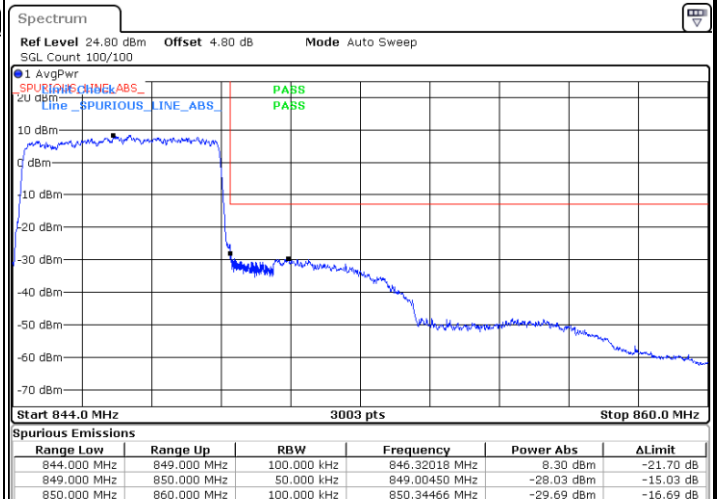
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



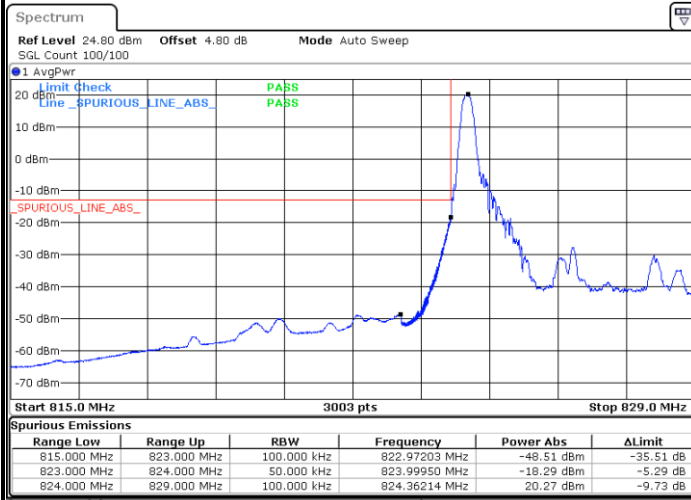
Highest Band Edge / Full RB



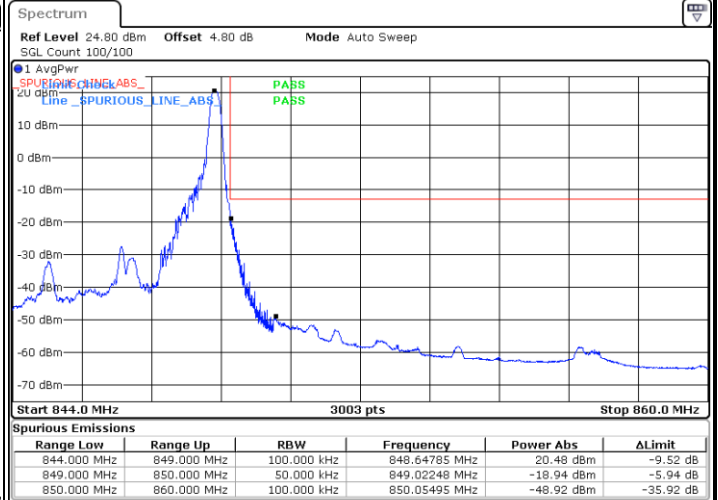


LTE Band 5 / 5MHz / 16QAM

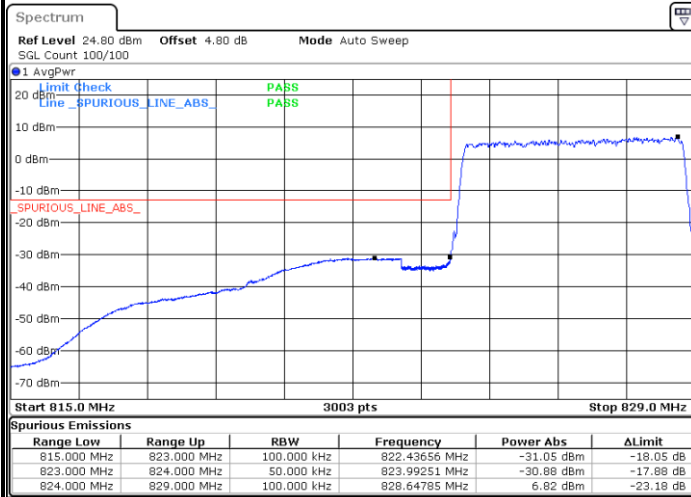
Lowest Band Edge / 1RB



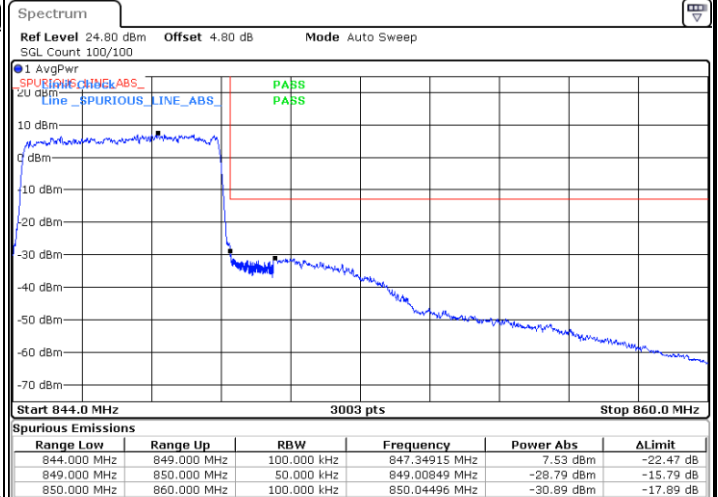
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



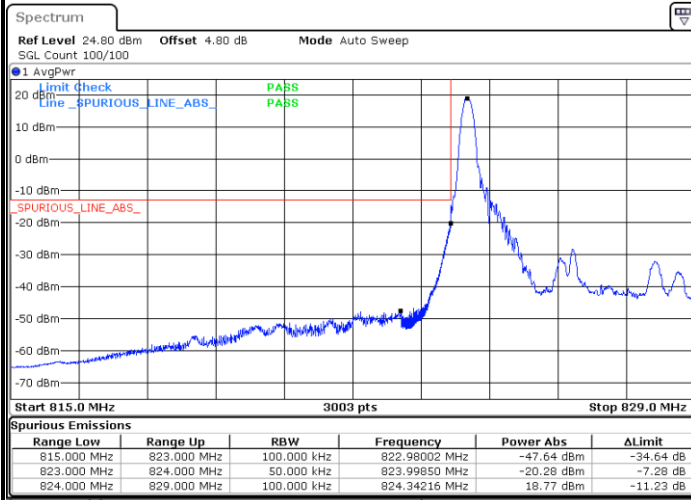
Highest Band Edge / Full RB



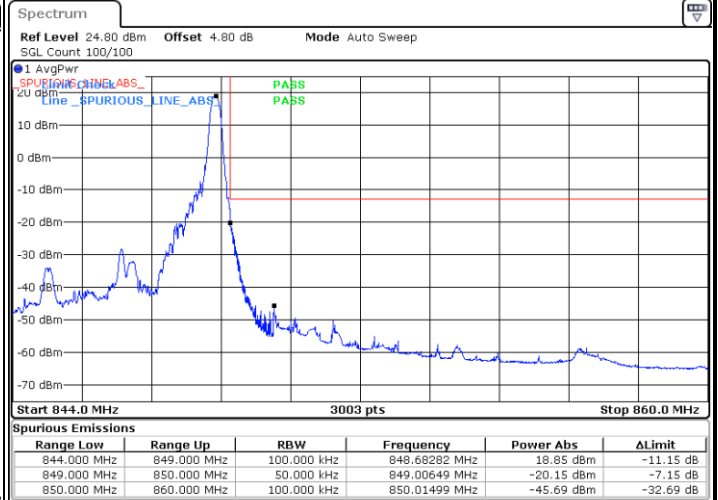


LTE Band 5 / 5MHz / 64QAM

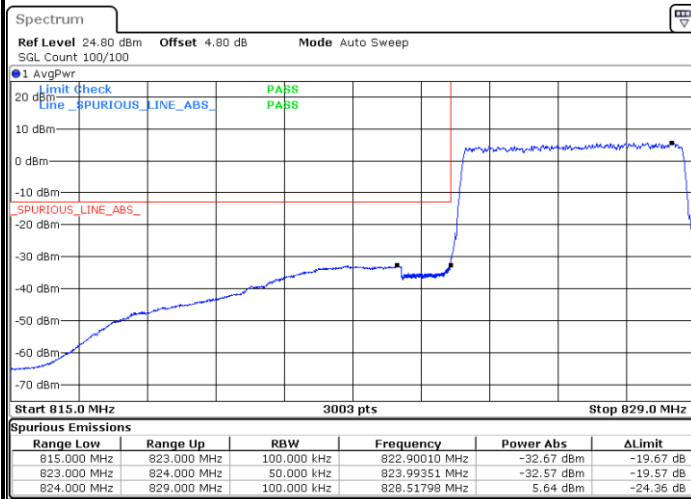
Lowest Band Edge / 1RB



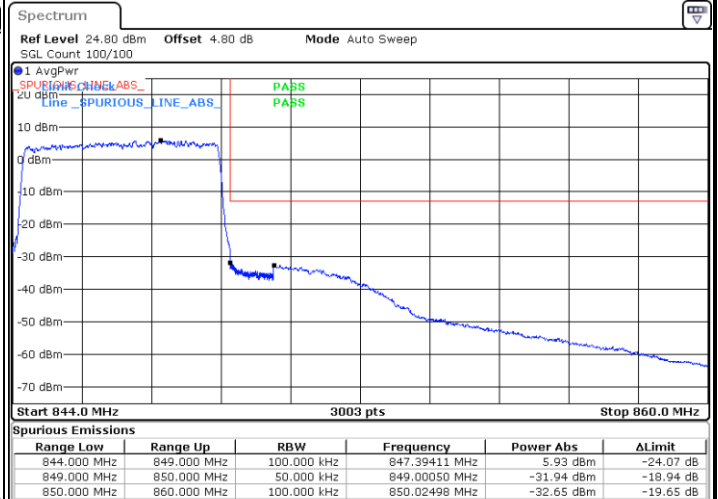
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



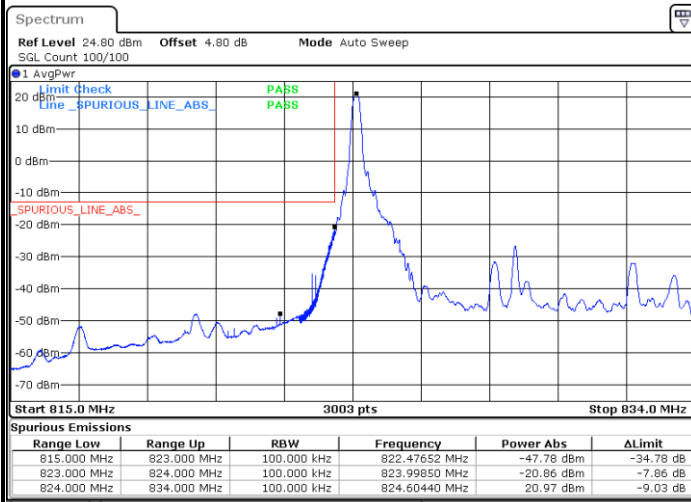
Highest Band Edge / Full RB



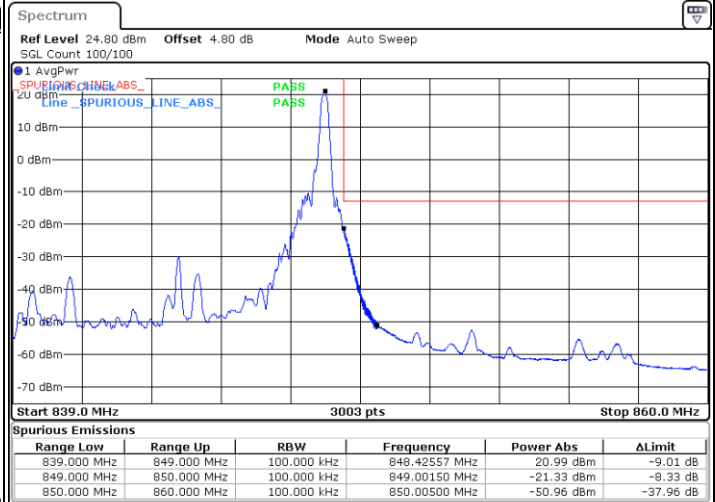


LTE Band 5 / 10MHz / QPSK

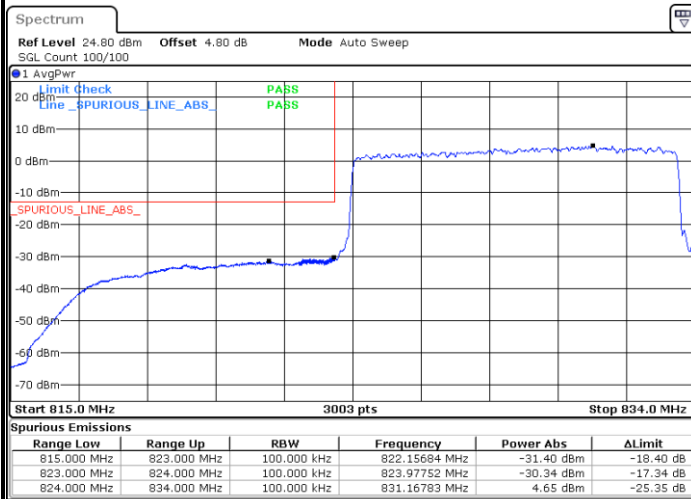
Lowest Band Edge / 1 RB



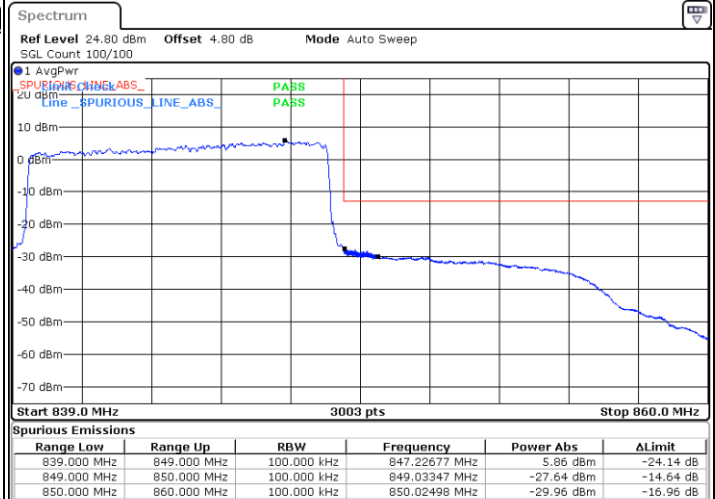
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



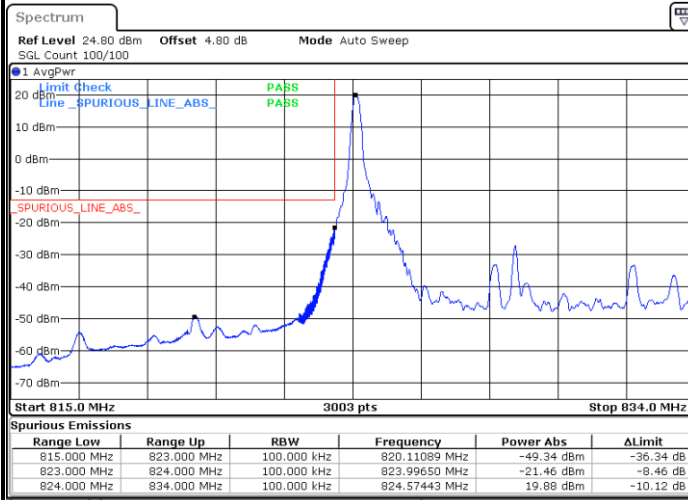
Highest Band Edge / Full RB



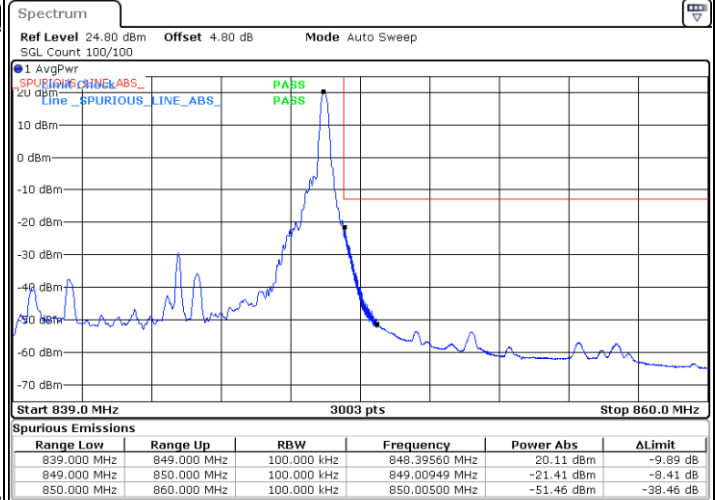


LTE Band 5 / 10MHz / 16QAM

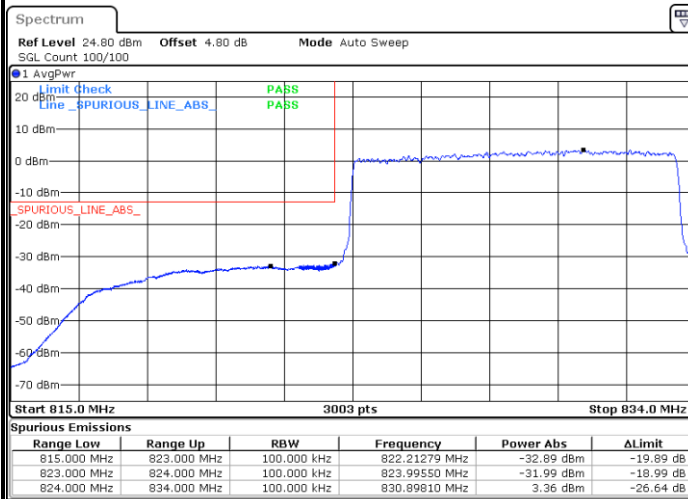
Lowest Band Edge / 1 RB



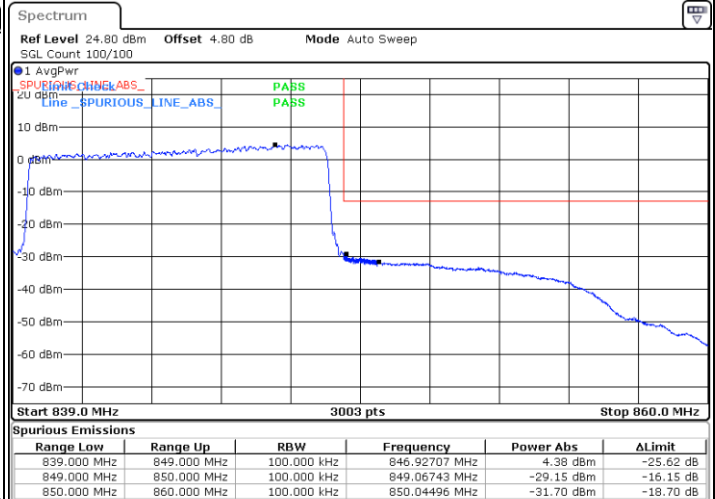
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



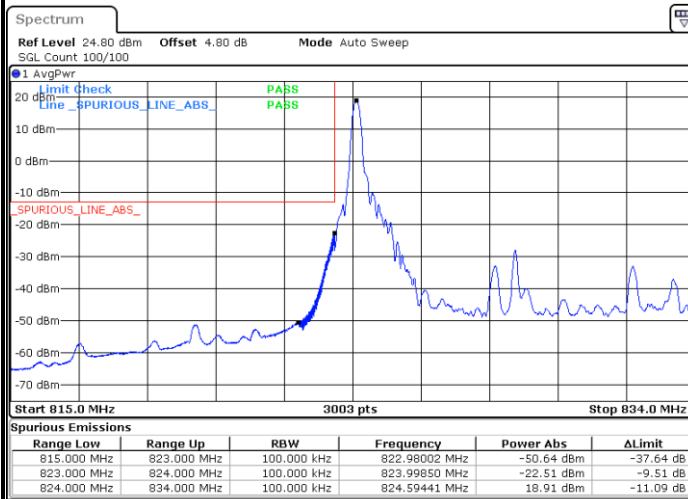
Highest Band Edge / Full RB



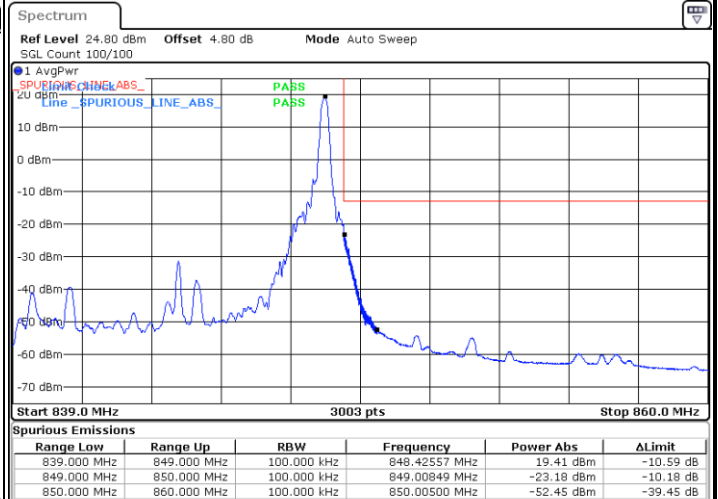


LTE Band 5 / 10MHz / 64QAM

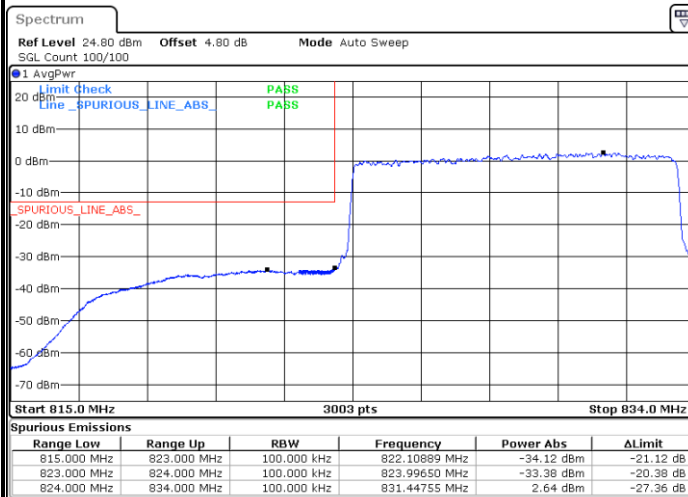
Lowest Band Edge / 1 RB



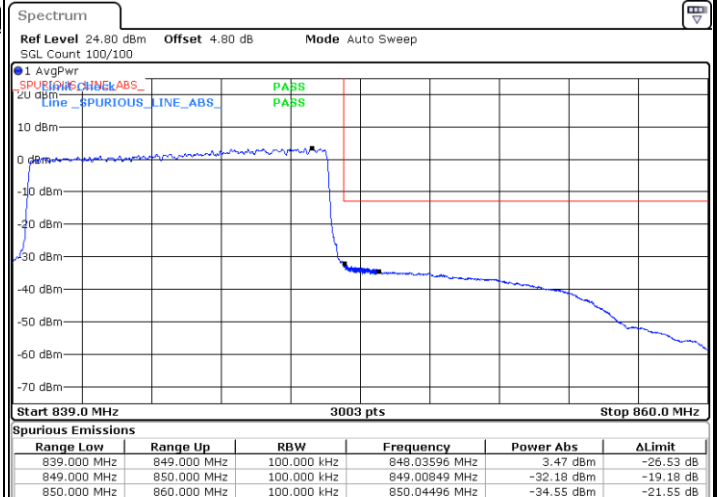
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

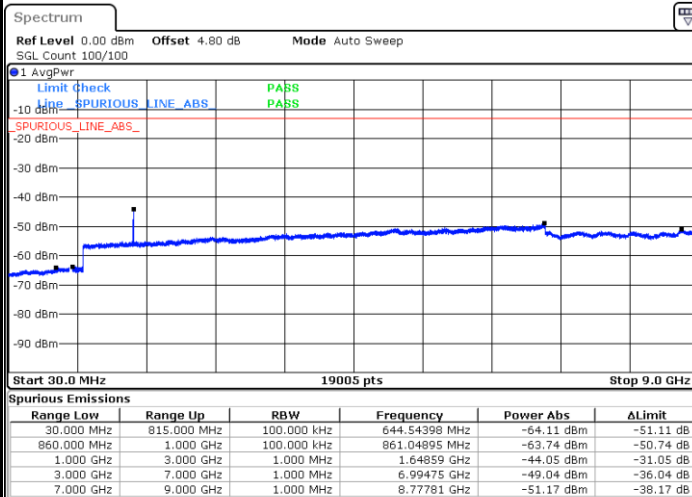




Conducted Spurious Emission

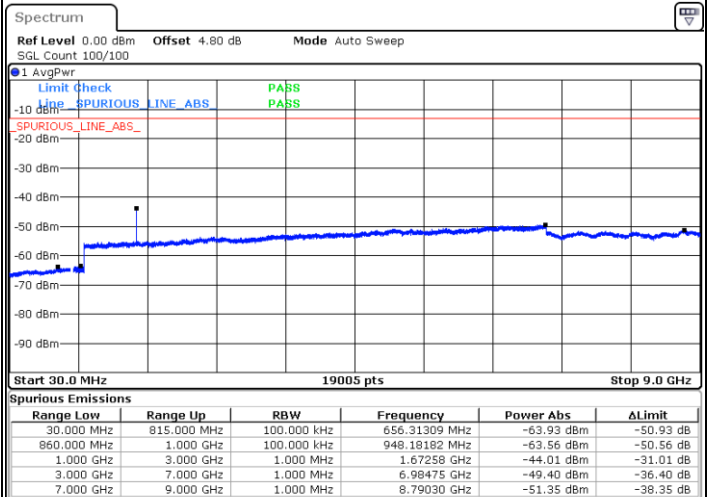
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK



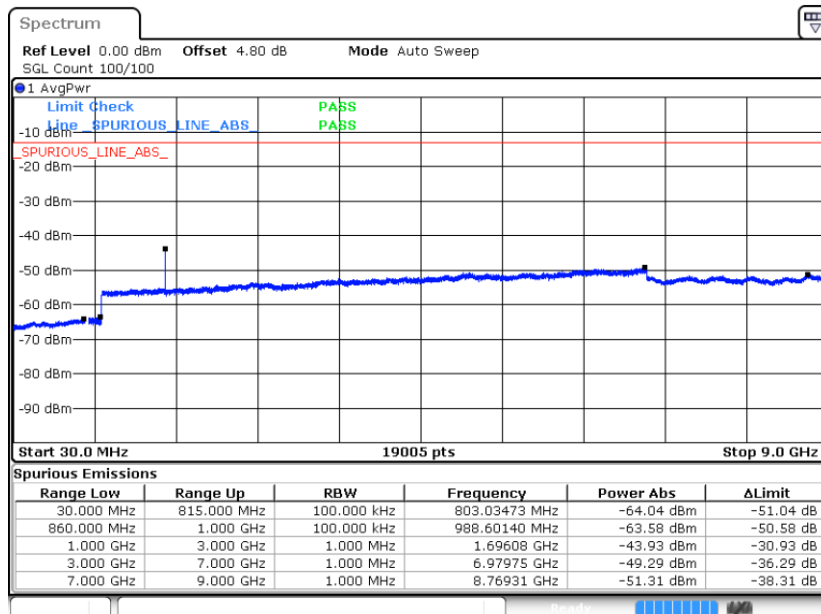
Date: 17.AUG.2022 18:19:41

Middle Channel / QPSK



Date: 17.AUG.2022 18:32:12

Highest Channel / QPSK

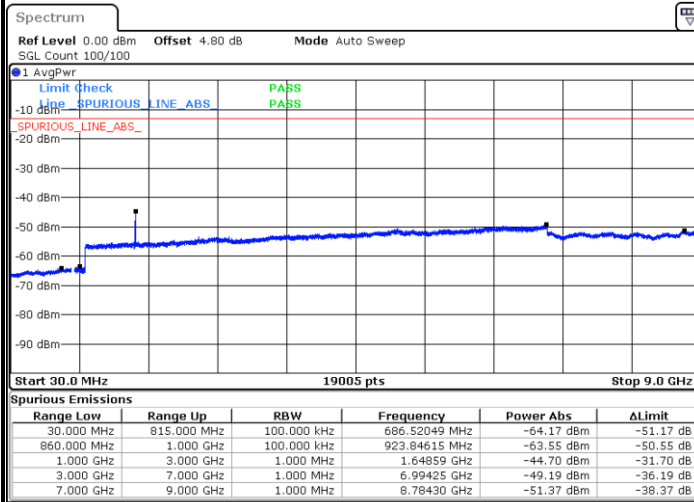


Date: 17.AUG.2022 18:33:34



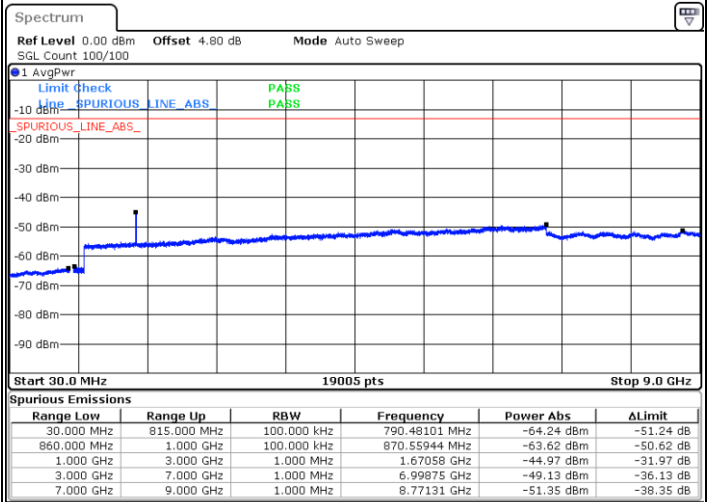
LTE Band 5 / 3MHz

Lowest Channel / QPSK



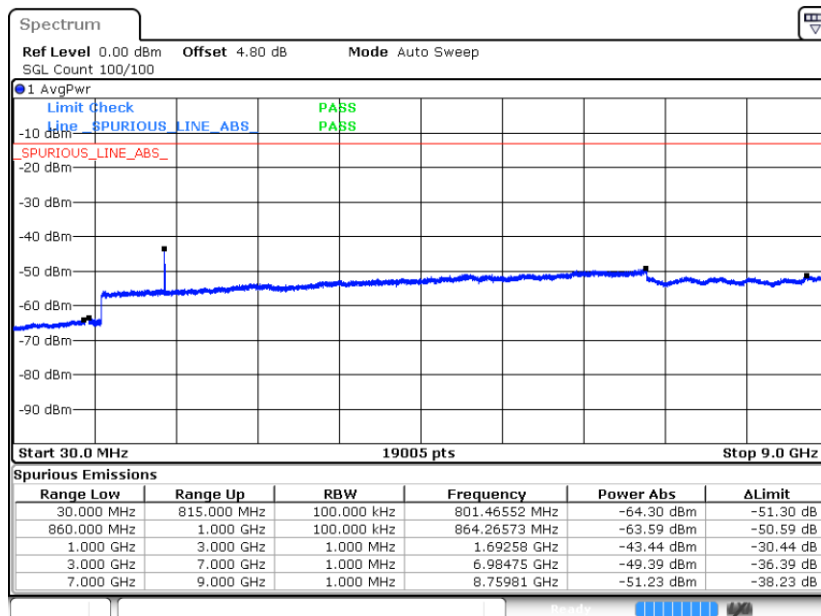
Date: 17.AUG.2022 18:46:08

Middle Channel / QPSK



Date: 17.AUG.2022 18:58:38

Highest Channel / QPSK

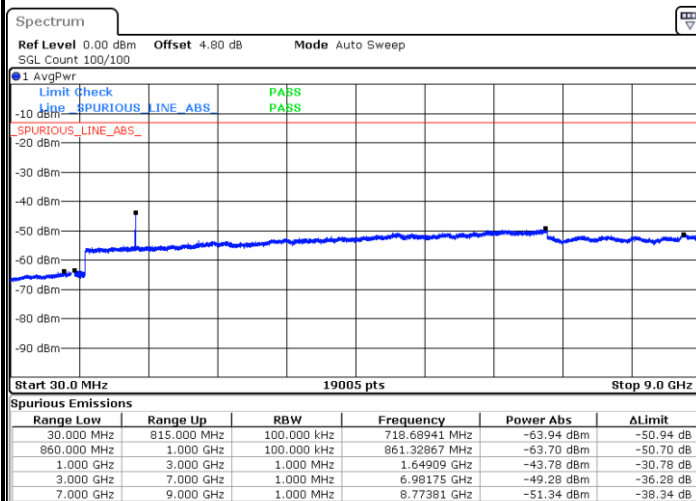


Date: 17.AUG.2022 19:00:00



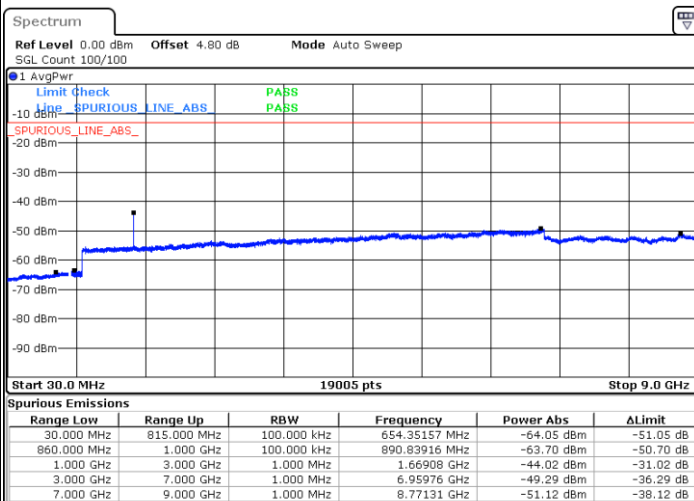
LTE Band 5 / 5MHz

Lowest Channel / QPSK



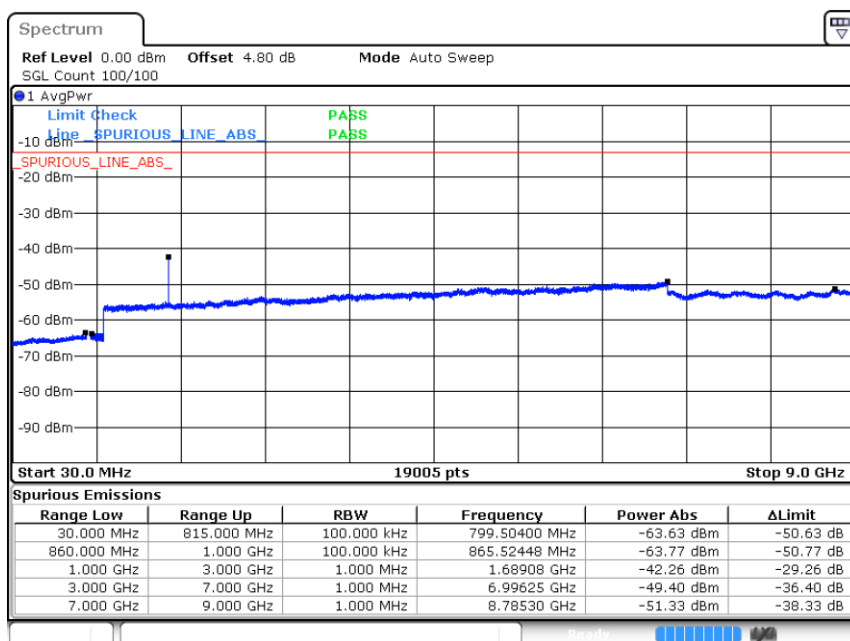
Date: 17.AUG.2022 19:12:33

Middle Channel / QPSK



Date: 17.AUG.2022 19:25:04

Highest Channel / QPSK

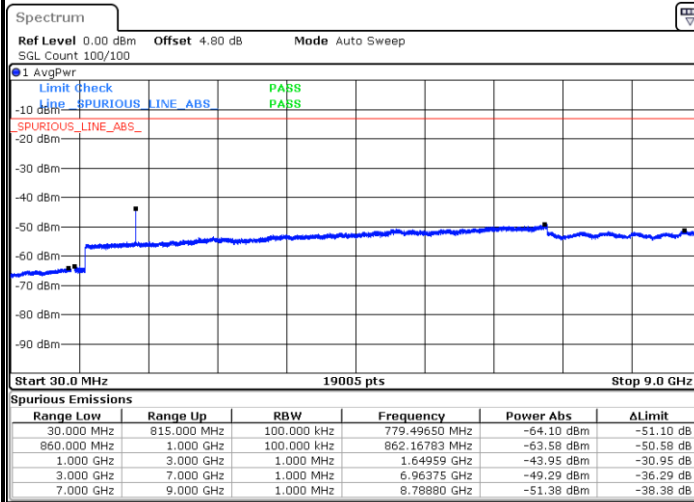


Date: 17.AUG.2022 19:26:26



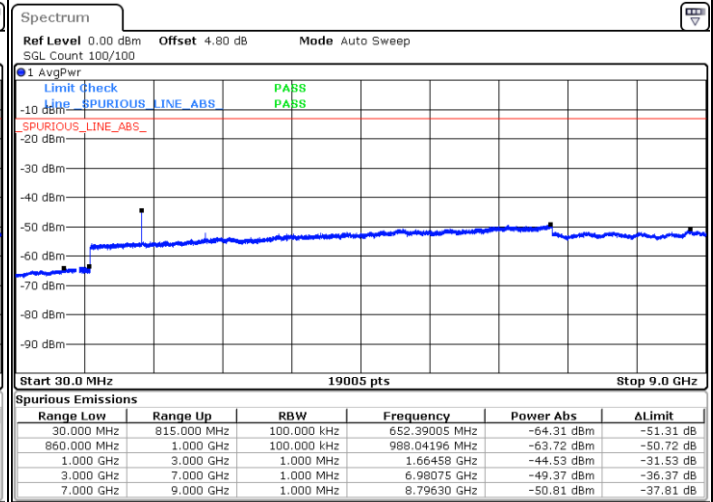
LTE Band 5 / 10MHz

Lowest Channel / QPSK



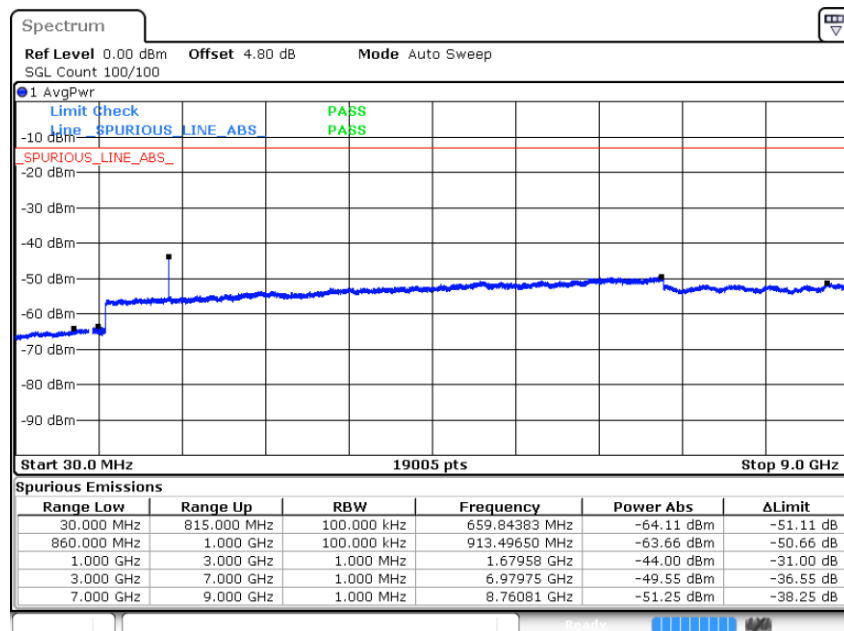
Date: 17.AUG.2022 19:39:00

Middle Channel / QPSK



Date: 17.AUG.2022 19:51:31

Highest Channel / QPSK



Date: 17.AUG.2022 19:52:53

Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0005	PASS
40	Normal Voltage	0.0026	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0028	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0035	
20	Minimum Voltage	0.0004	

Note:

1. Normal Voltage =12 V. ; Minimum Voltage (BEP) =11.4 V. ; Maximum Voltage =12.6 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13 for Ant.0

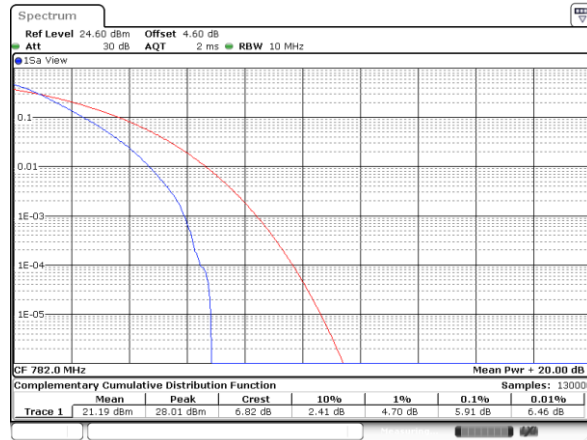
Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.91	6.49	6.46	PASS



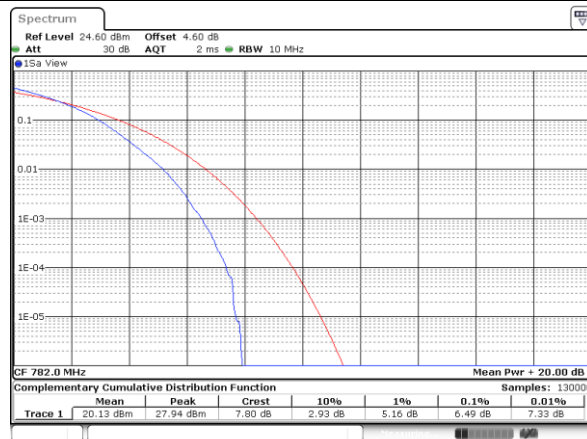
LTE Band 13 / 10MHz

Middle Channel / Full RB/ QPSK



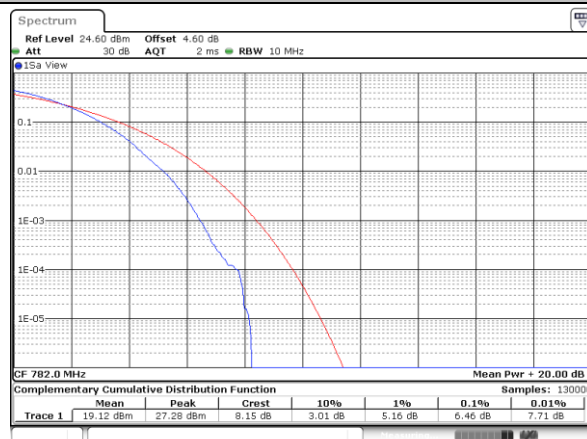
Date: 8.NOV.2022 11:16:15

Middle Channel / Full RB/ 16QAM



Date: 8.NOV.2022 11:17:28

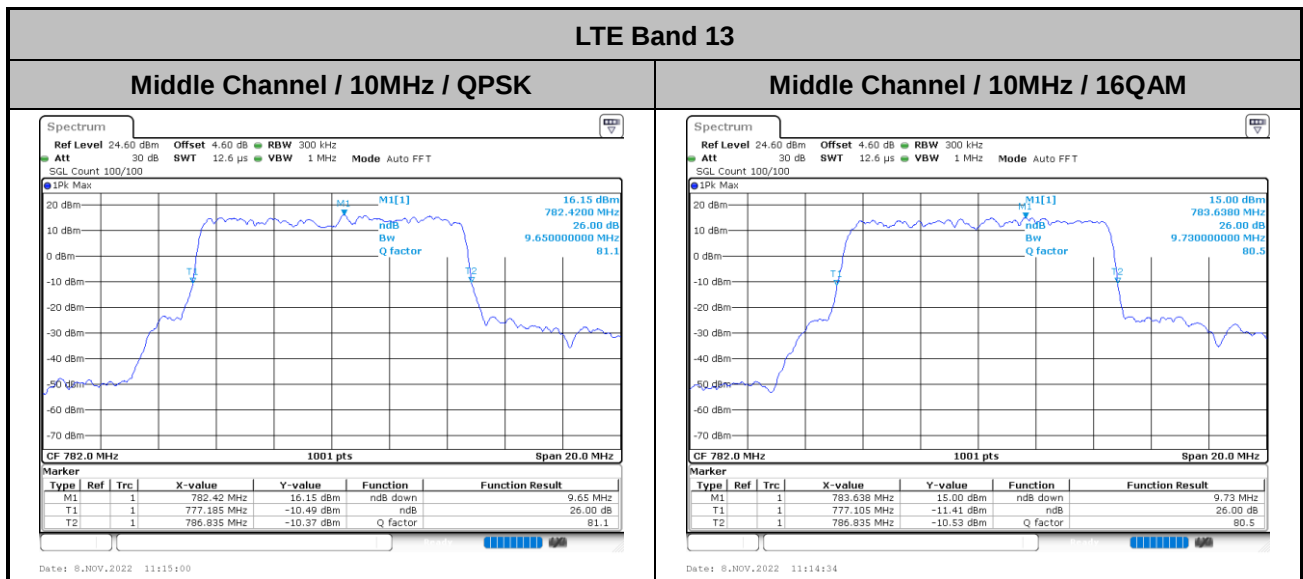
Middle Channel / Full RB/ 64QAM



Date: 8.NOV.2022 11:18:21

**26dB Bandwidth**

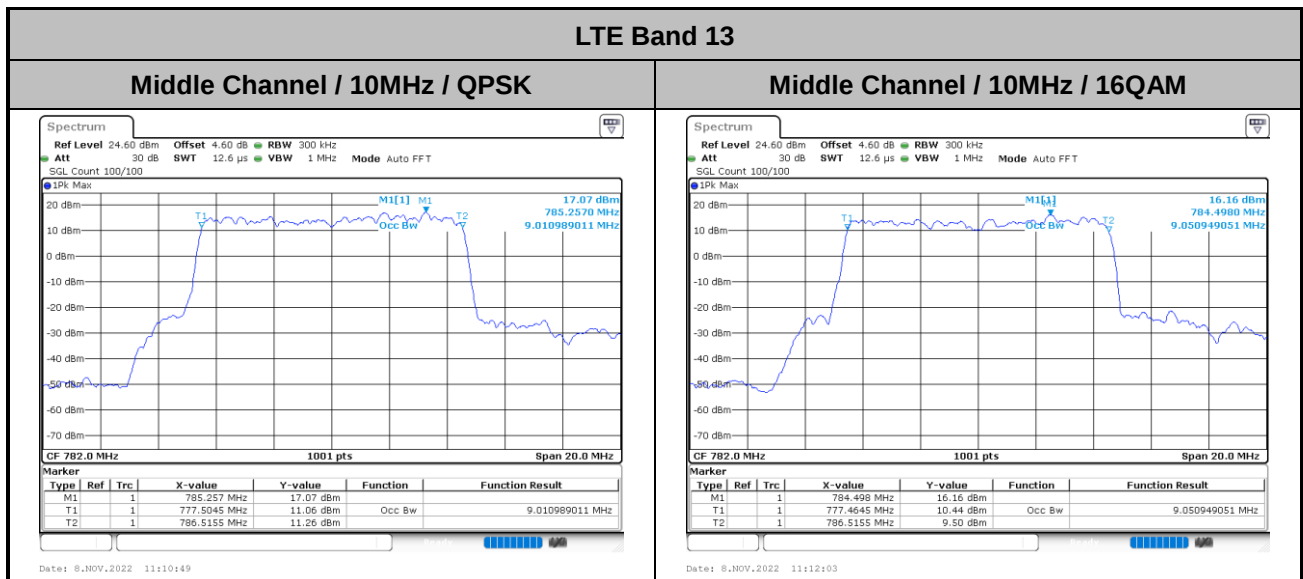
Mode	LTE Band 13 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.65	9.73

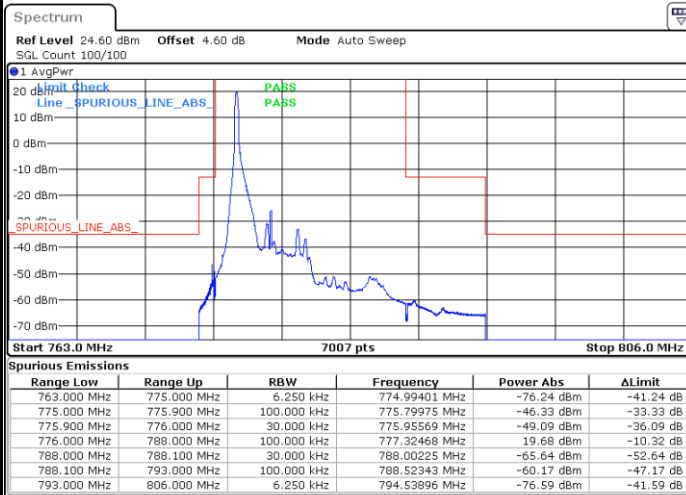
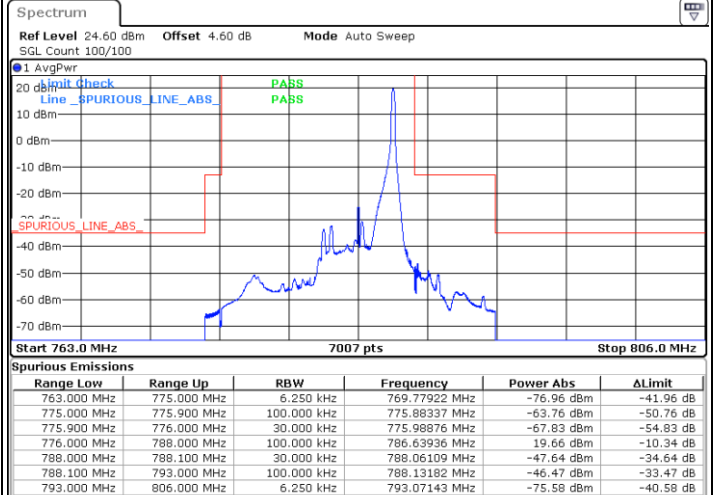
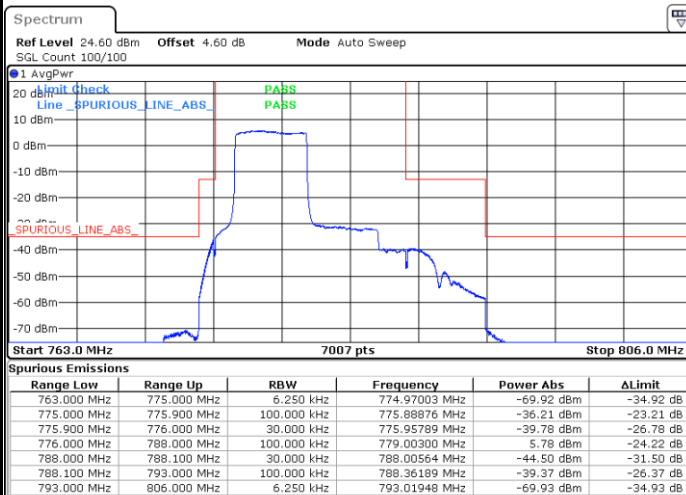
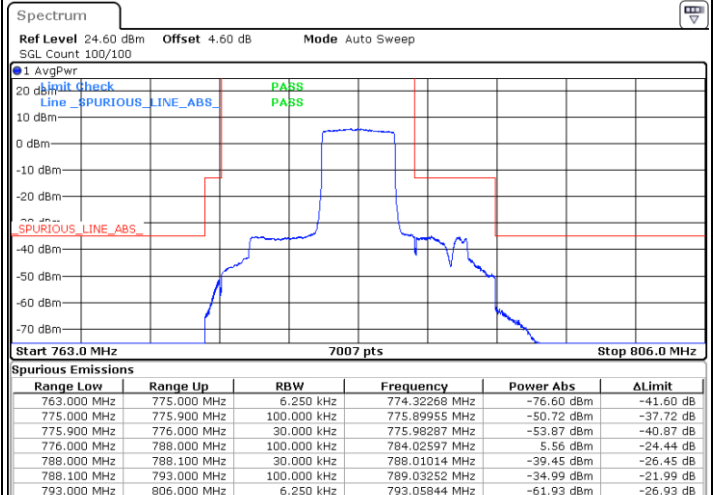




Occupied Bandwidth

Mode	LTE Band 13 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.01	9.05

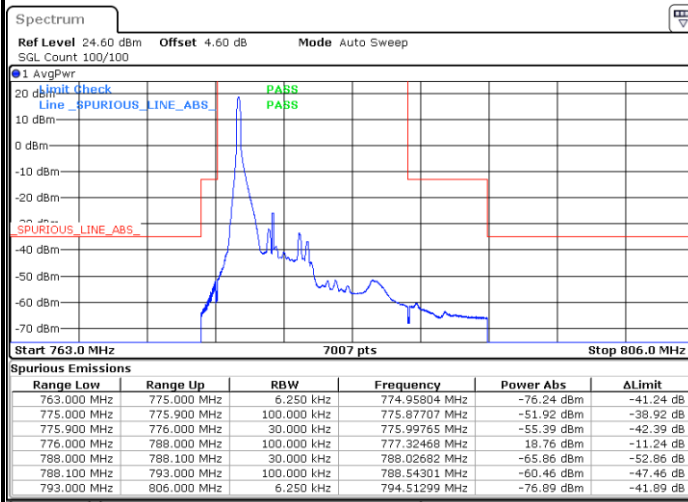


**Conducted Band Edge****LTE Band 13 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

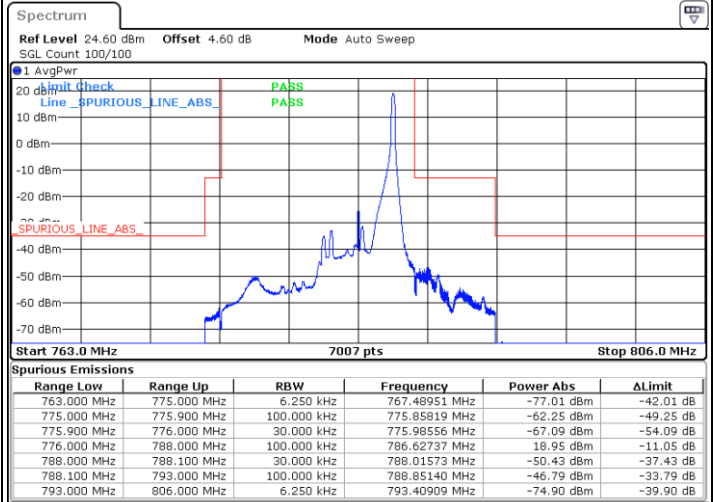


LTE Band 13 / 5MHz / 16QAM

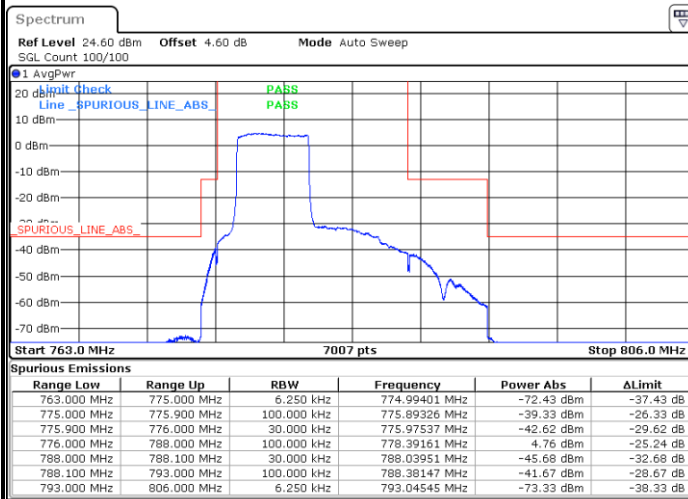
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

