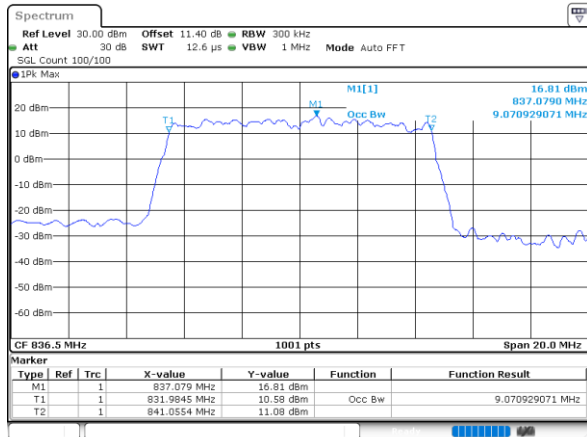


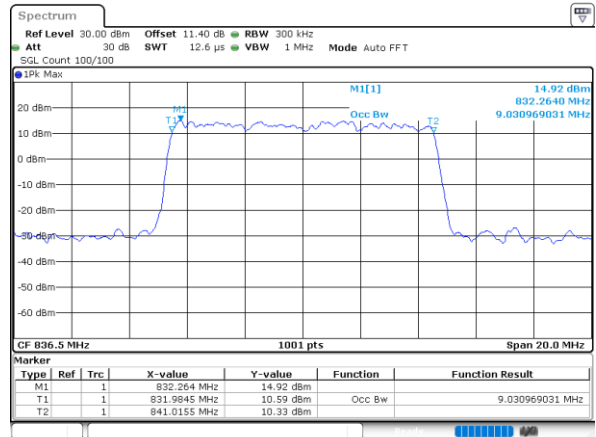


LTE Band 5

Middle Channel / 10MHz / QPSK

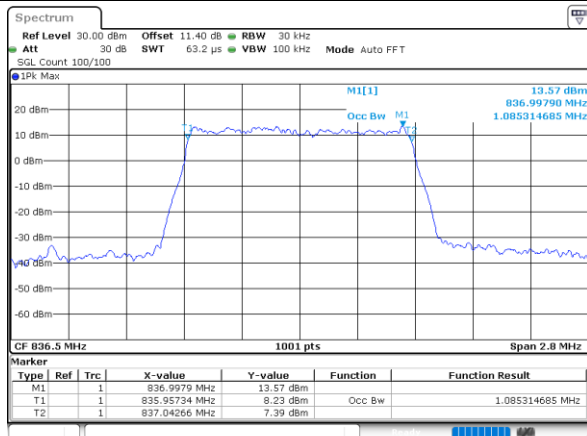


Middle Channel / 10MHz / 16QAM

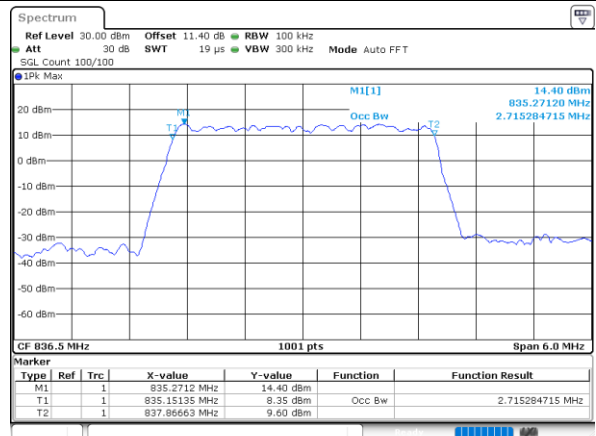


LTE Band 5

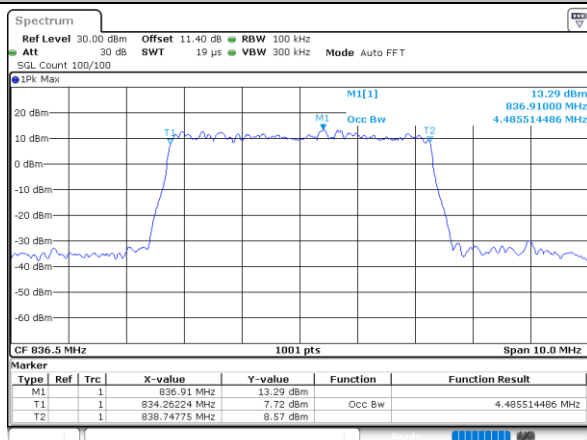
Middle Channel / 1.4MHz / 64QAM



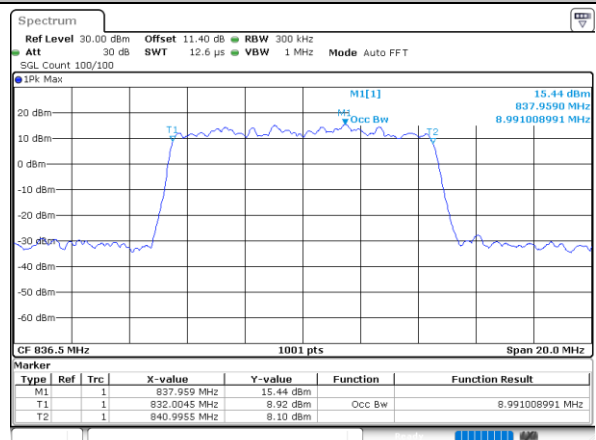
Middle Channel / 3MHz / 64QAM

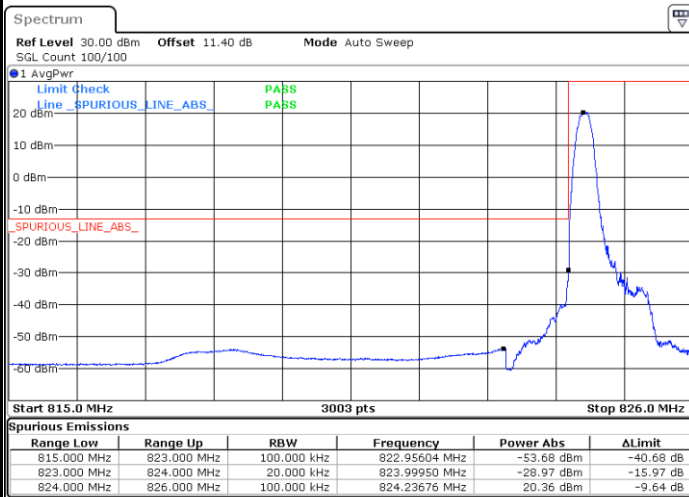
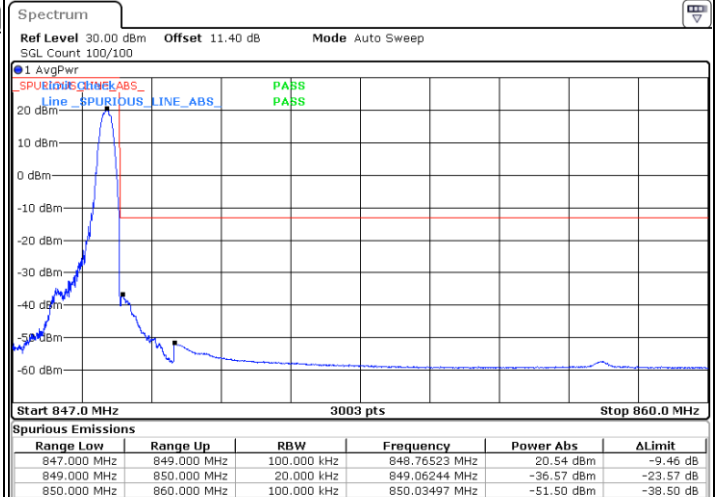
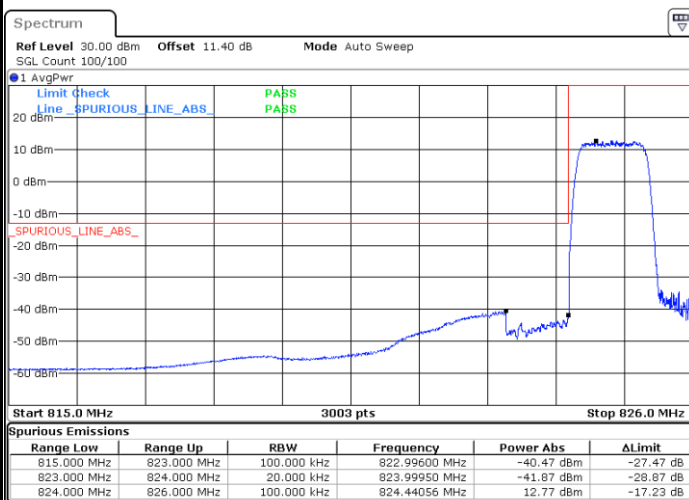
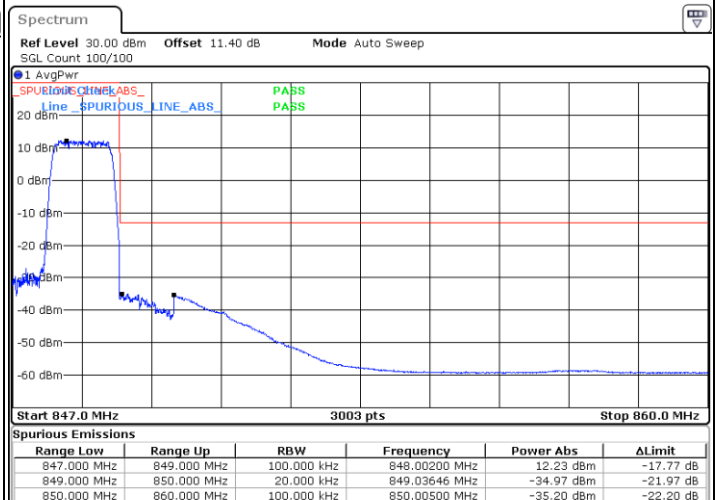


Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM

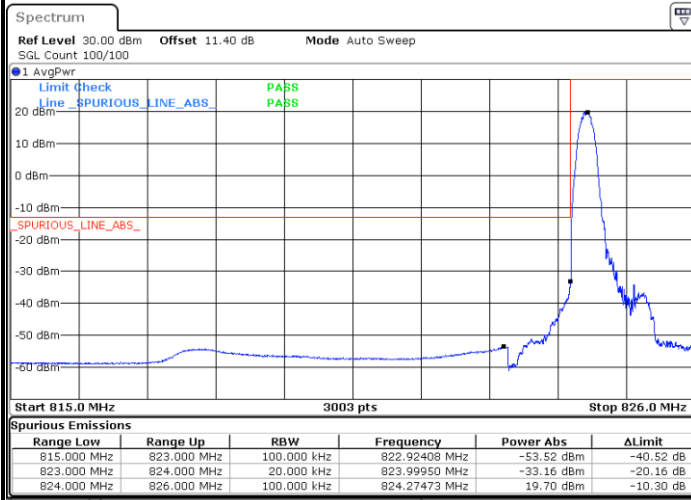


**Conducted Band Edge****LTE Band 5 / 1.4MHz / QPSK****Lowest Band Edge / 1RB****Highest Band Edge / 1RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

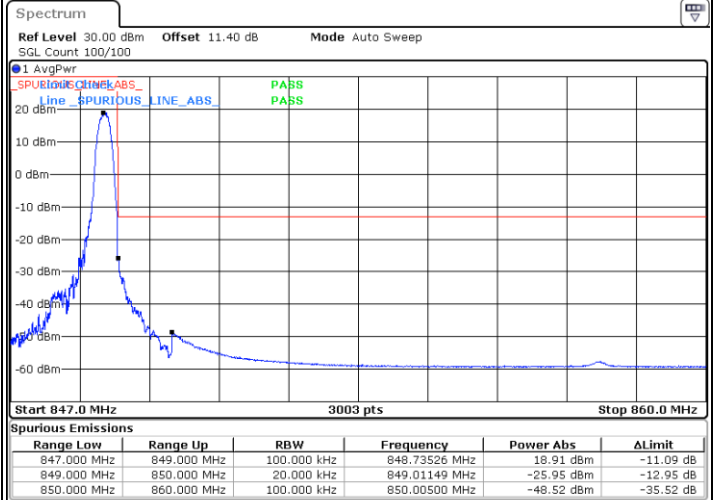


LTE Band 5 / 1.4MHz / 16QAM

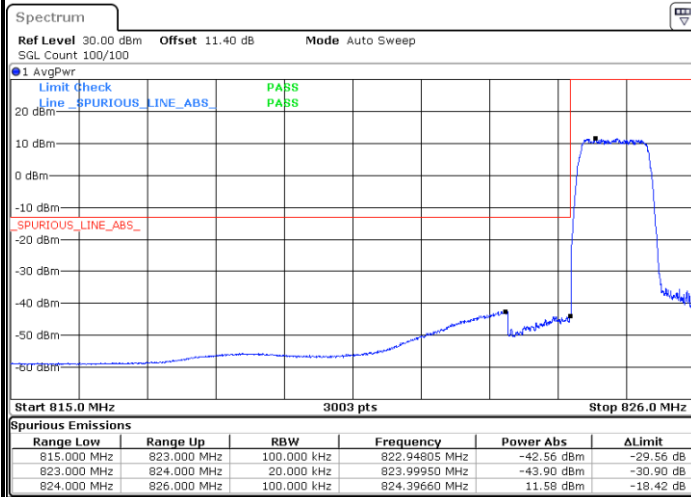
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



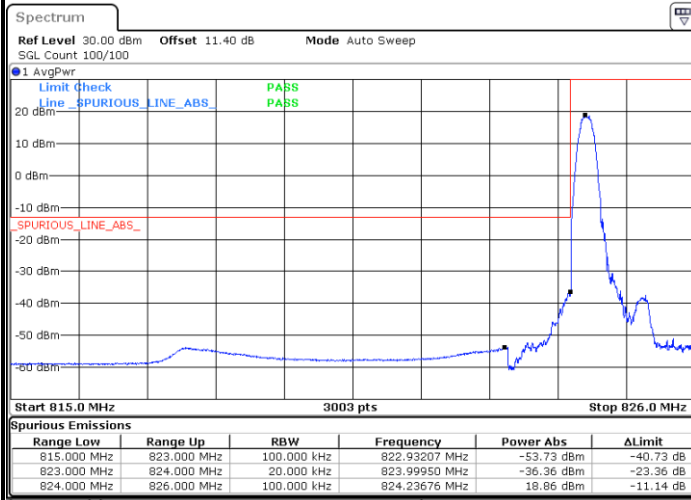
Highest Band Edge / Full RB



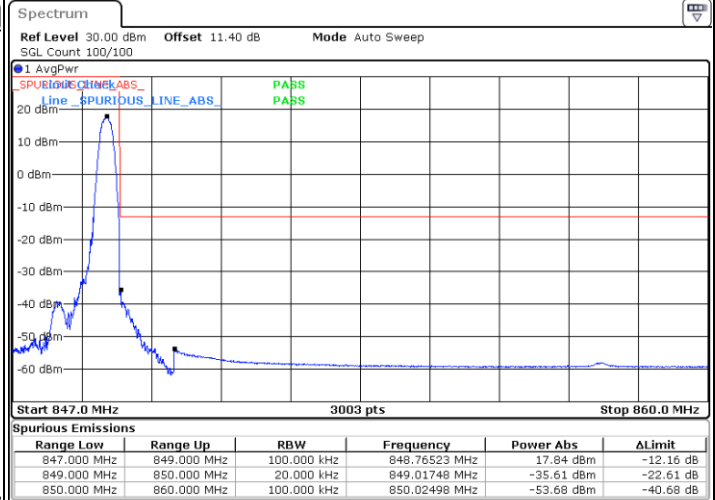


LTE Band 5 / 1.4MHz / 64QAM

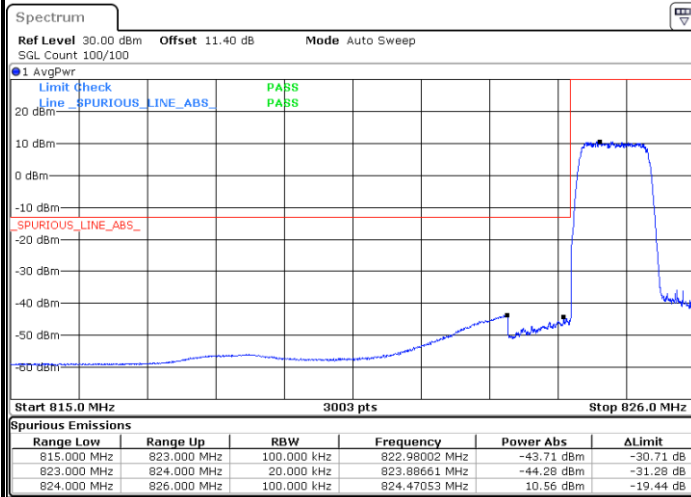
Lowest Band Edge / 1 RB



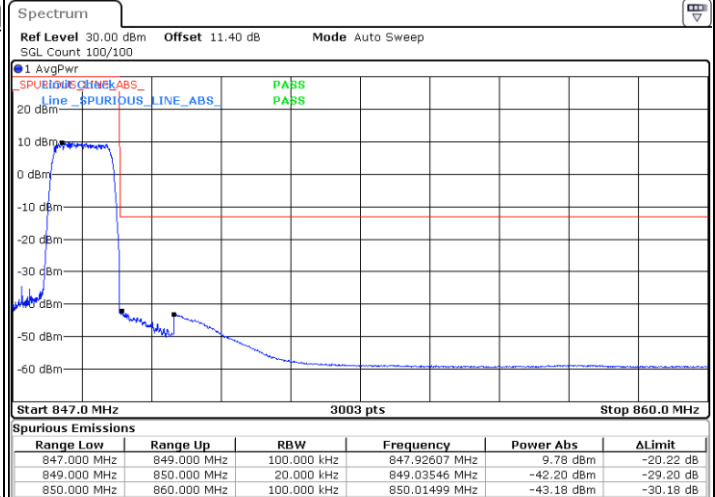
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



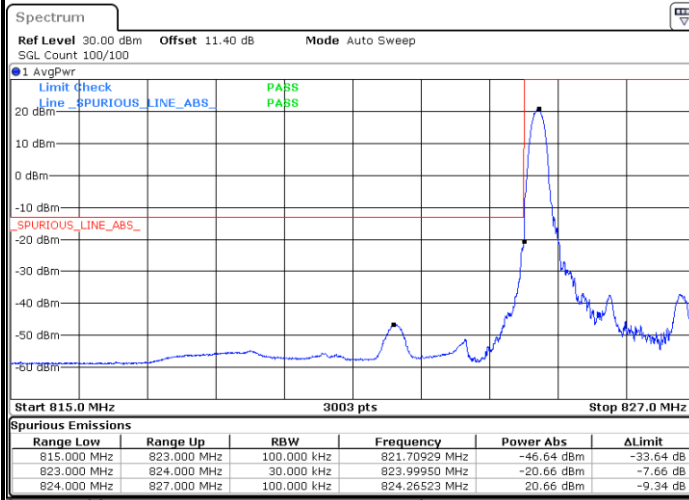
Highest Band Edge / Full RB



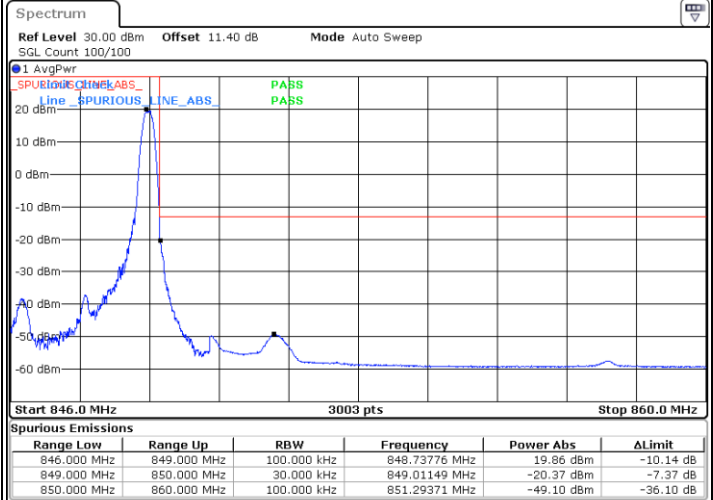


LTE Band 5 / 3MHz / QPSK

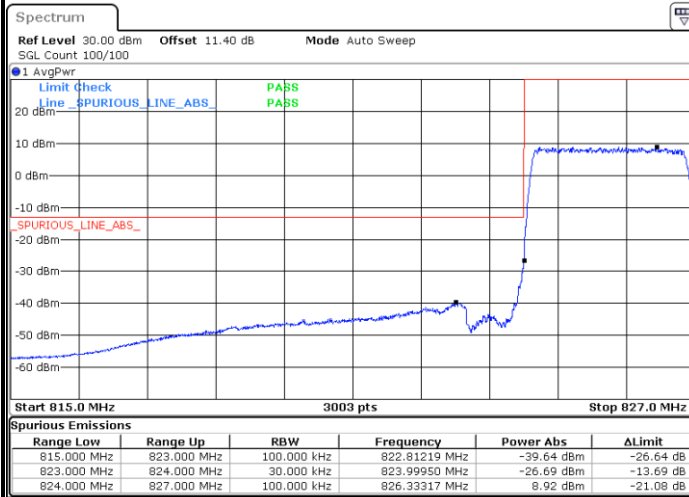
Lowest Band Edge / 1RB



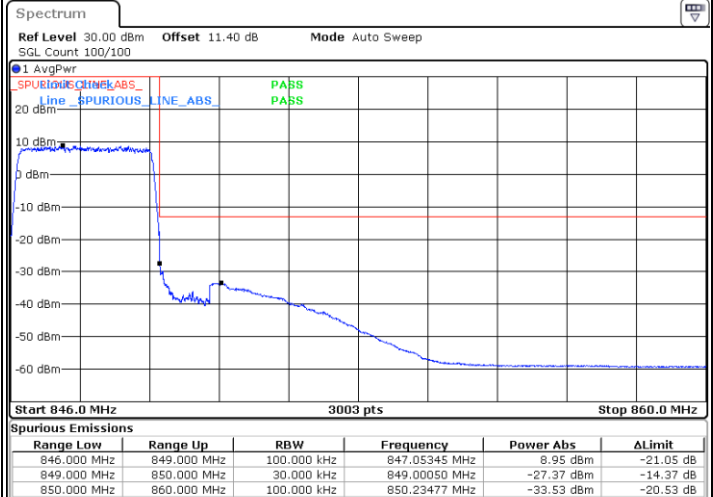
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



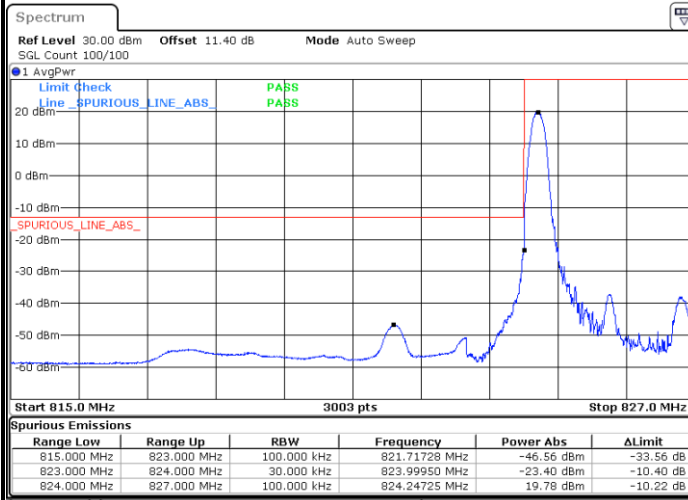
Highest Band Edge / Full RB





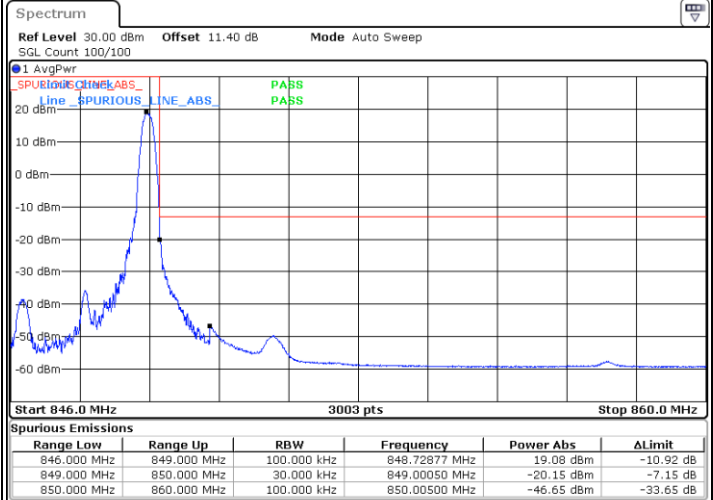
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



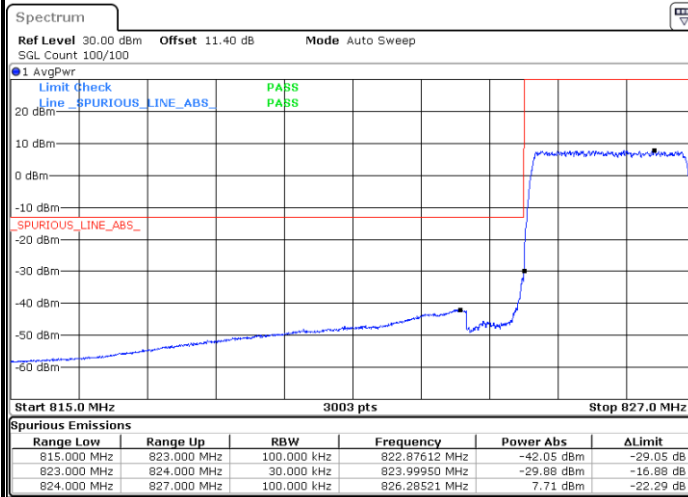
Date: 16.JAN.2021 18:47:56

Highest Band Edge / 1 RB



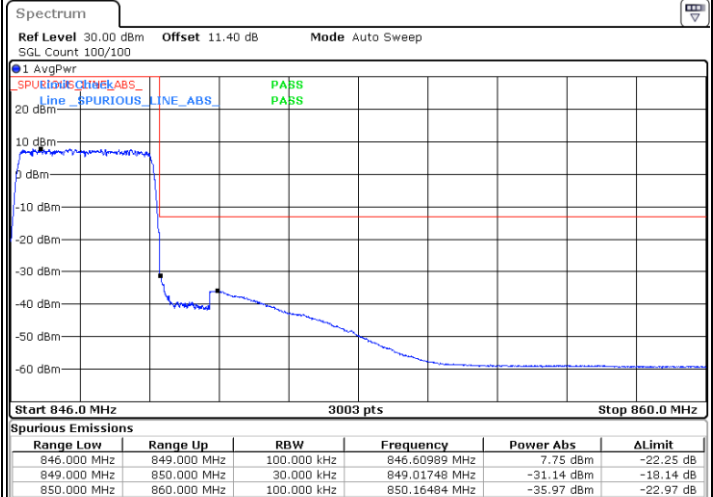
Date: 16.JAN.2021 18:56:23

Lowest Band Edge / Full RB



Date: 16.JAN.2021 18:51:19

Highest Band Edge / Full RB

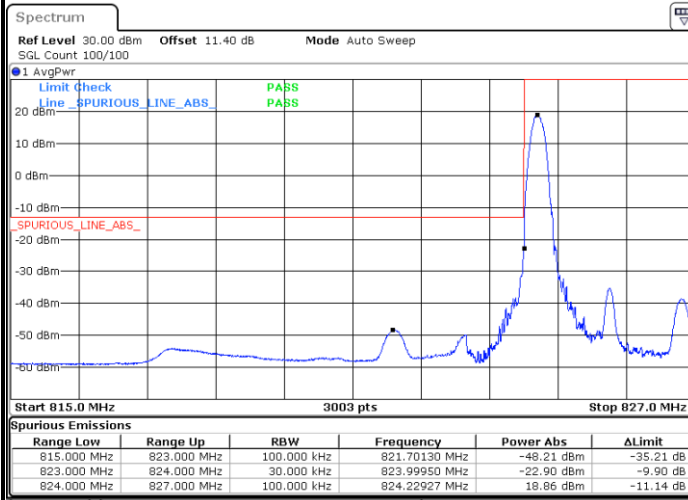


Date: 16.JAN.2021 18:59:46

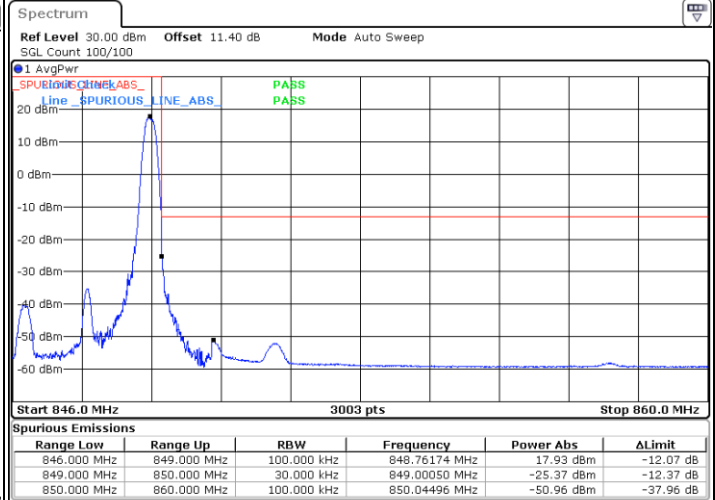


LTE Band 5 / 3MHz / 64QAM

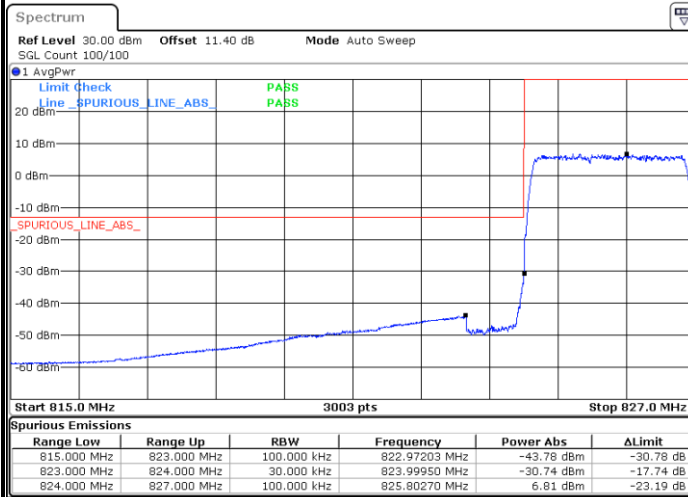
Lowest Band Edge / 1 RB



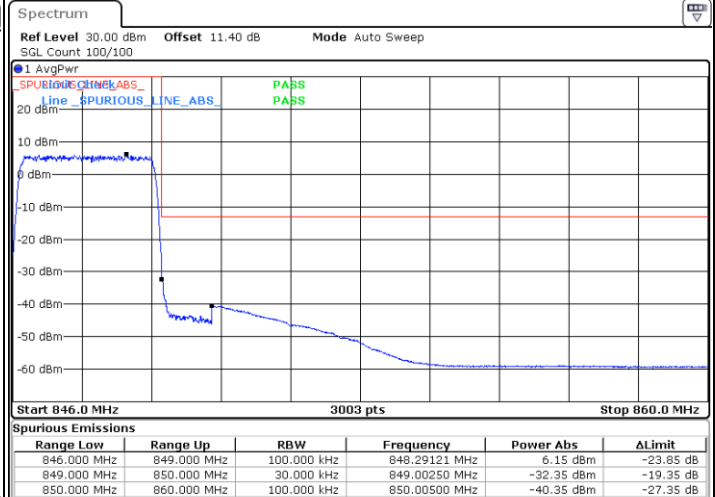
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



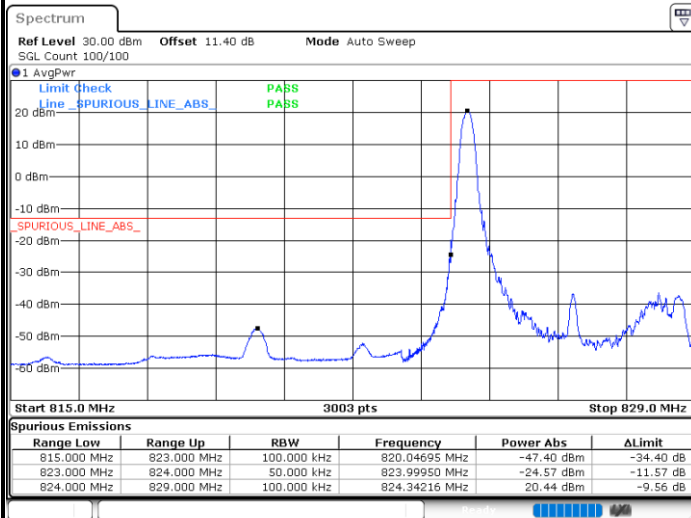
Highest Band Edge / Full RB



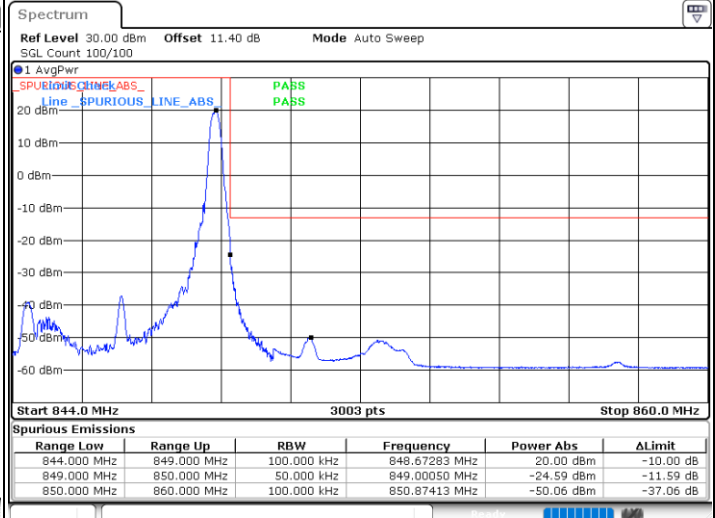


LTE Band 5 / 5MHz / QPSK

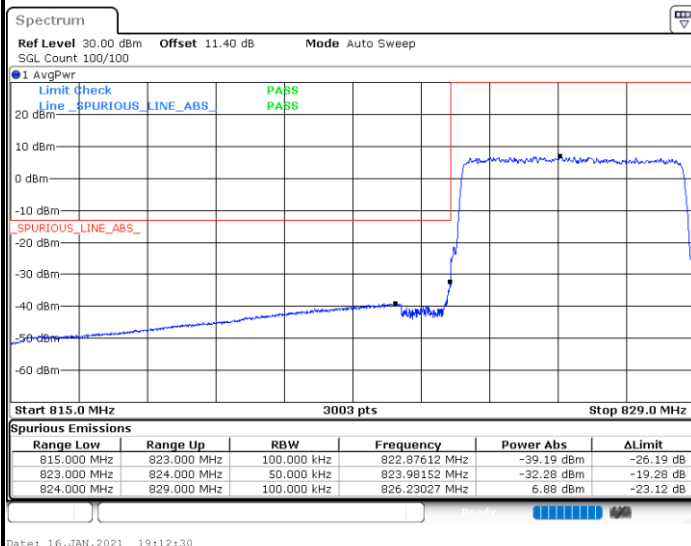
Lowest Band Edge / 1 RB



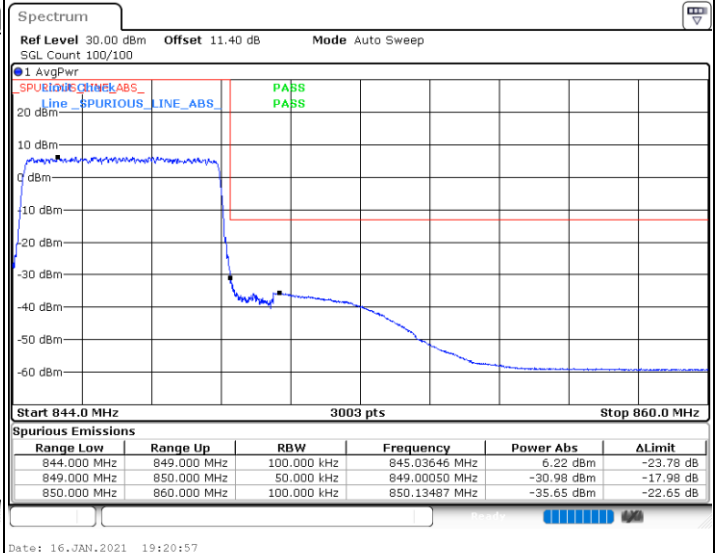
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



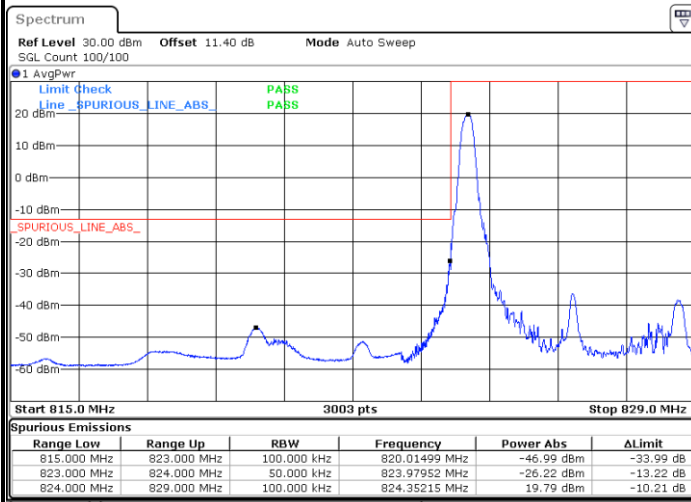
Highest Band Edge / Full RB



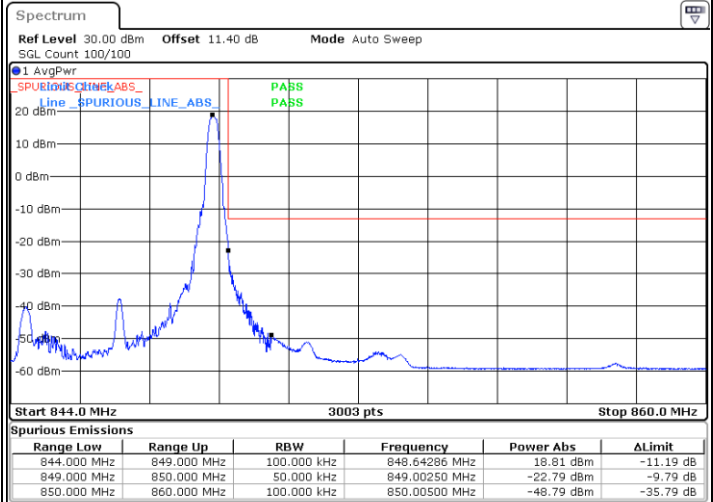


LTE Band 5 / 5MHz / 16QAM

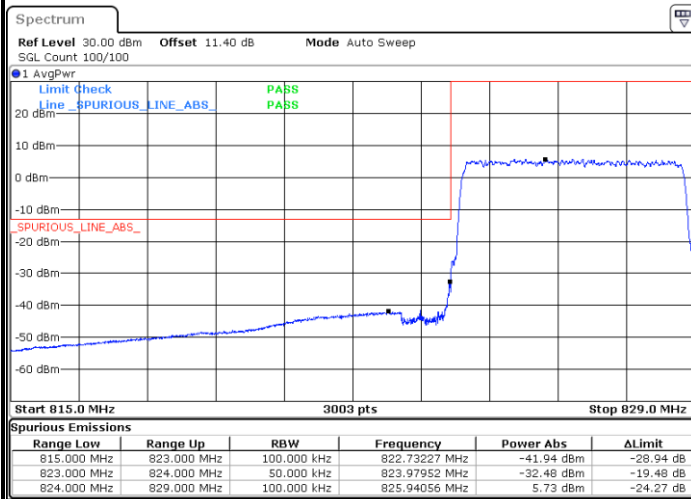
Lowest Band Edge / 1RB



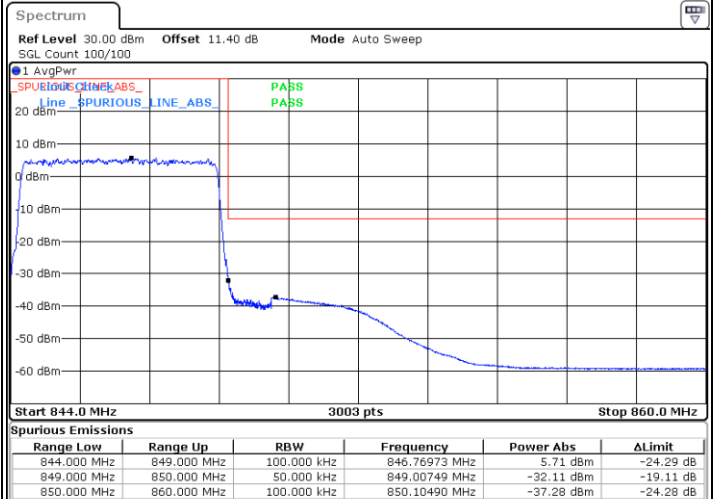
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



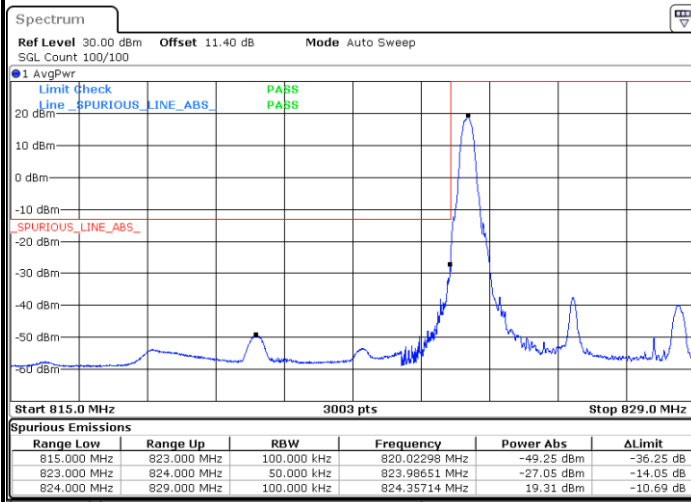
Highest Band Edge / Full RB



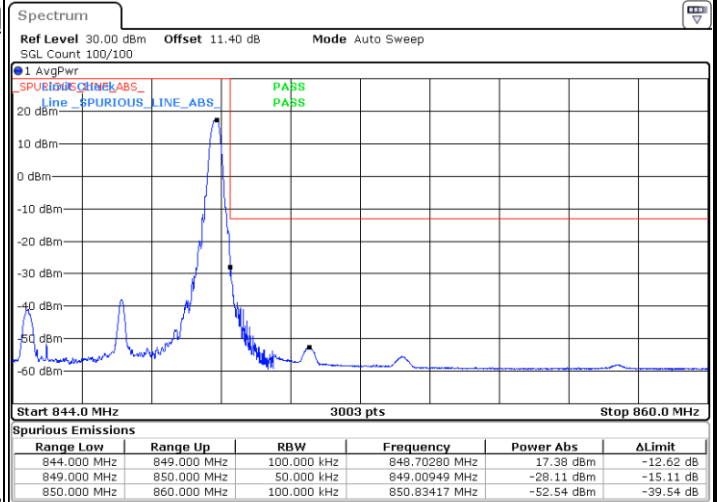


LTE Band 5 / 5MHz / 64QAM

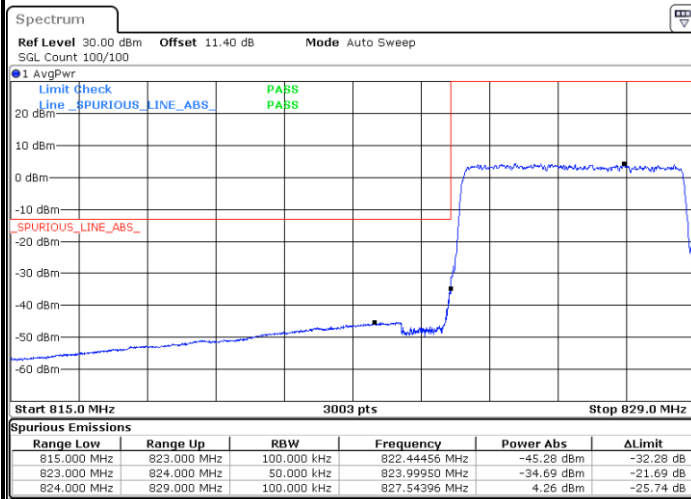
Lowest Band Edge / 1RB



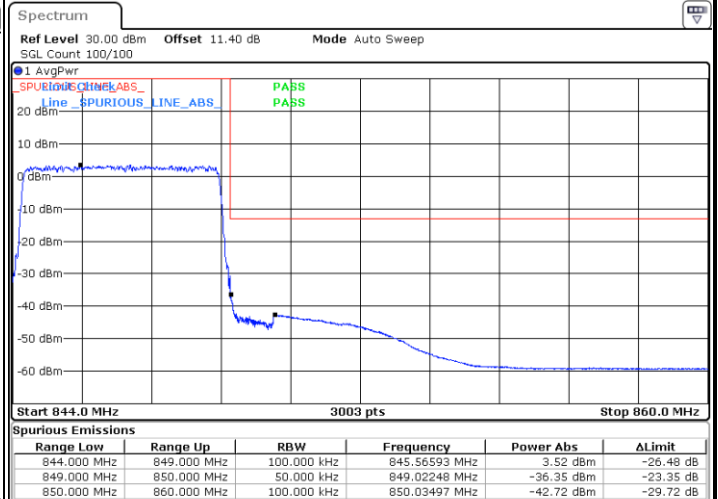
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



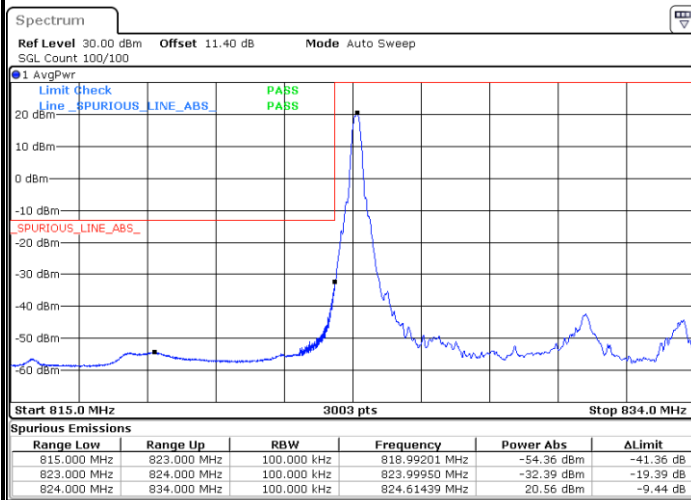
Highest Band Edge / Full RB



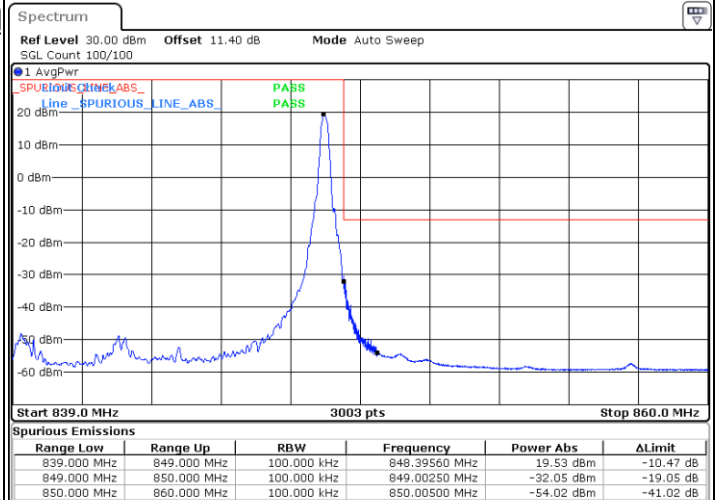


LTE Band 5 / 10MHz / QPSK

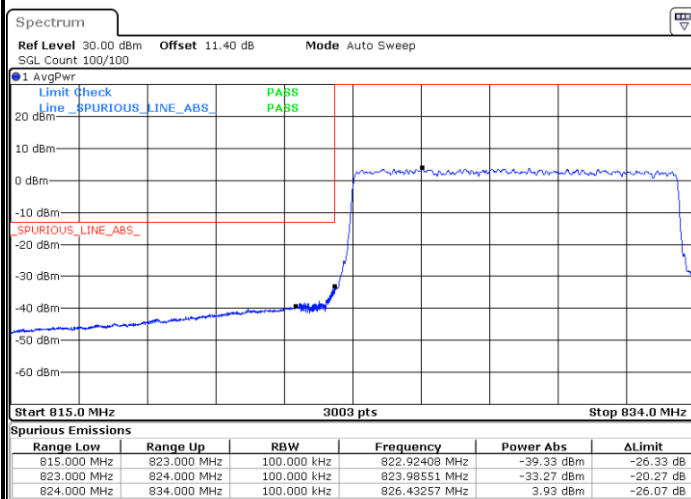
Lowest Band Edge / 1 RB



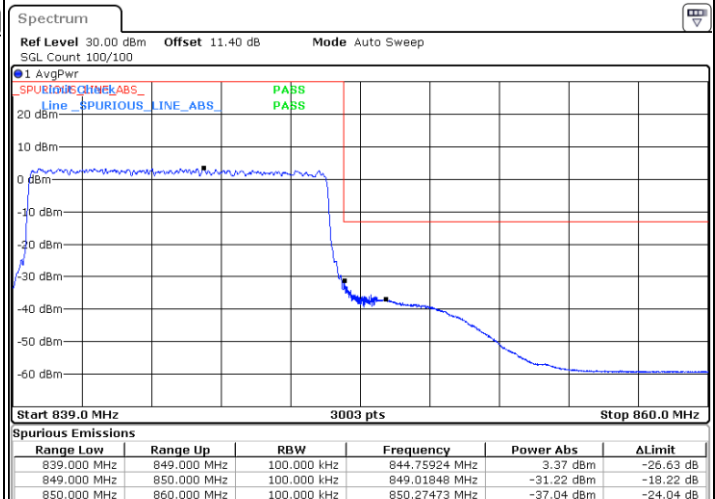
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



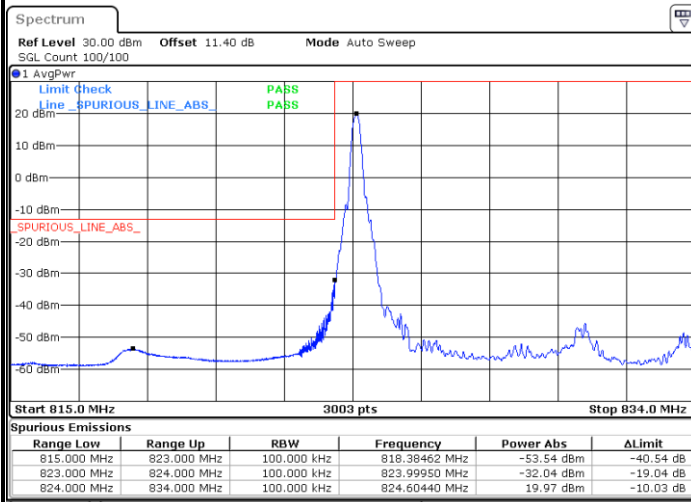
Highest Band Edge / Full RB



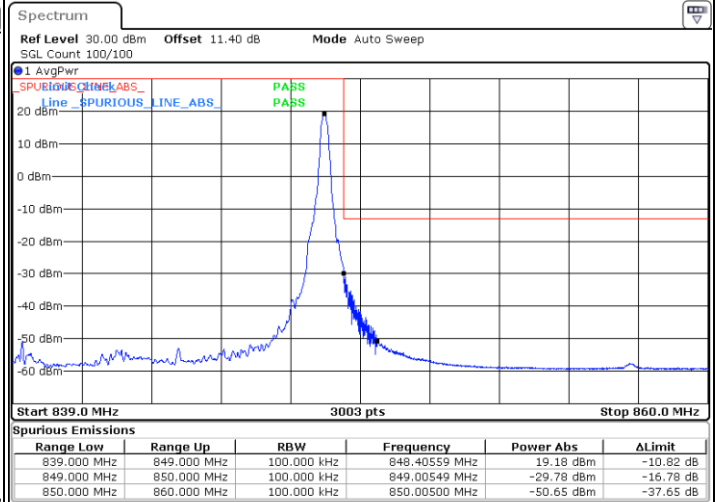


LTE Band 5 / 10MHz / 16QAM

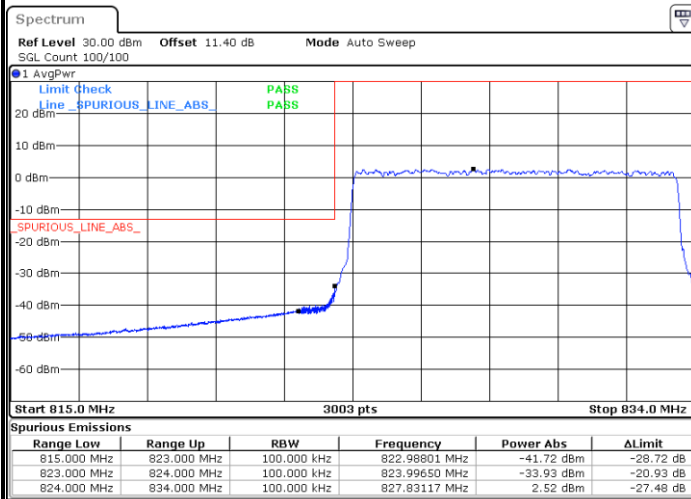
Lowest Band Edge / 1 RB



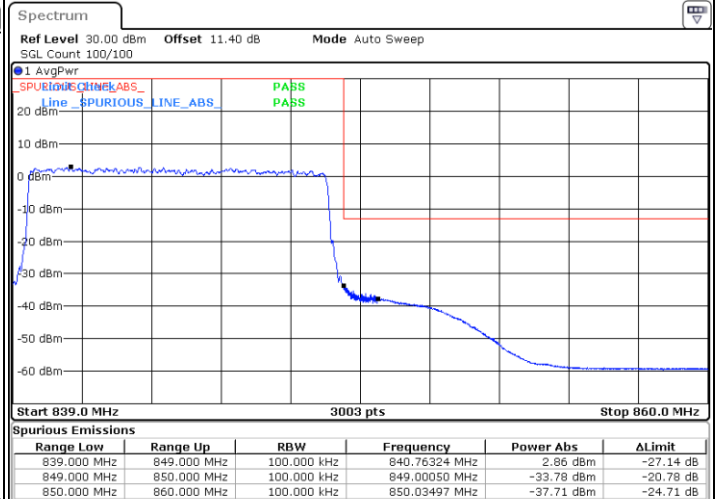
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



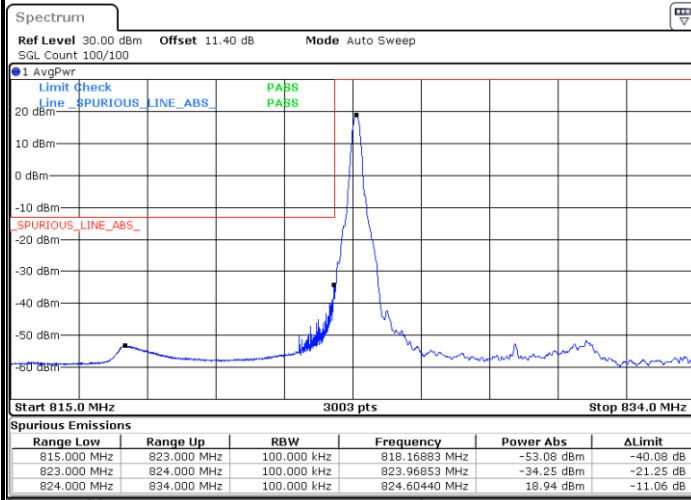
Highest Band Edge / Full RB



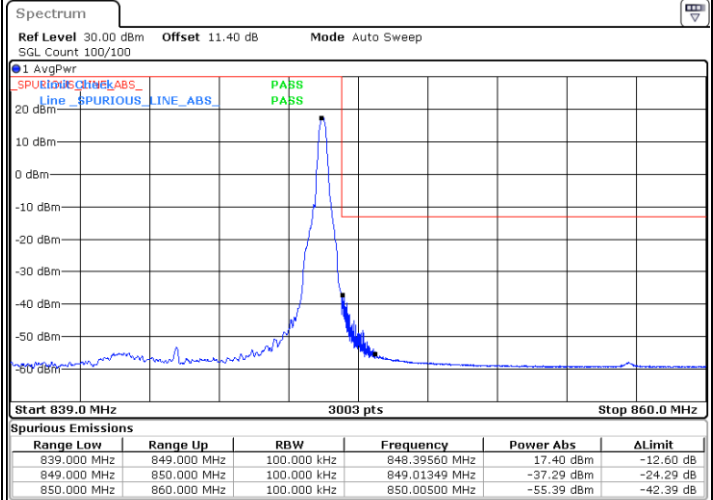


LTE Band 5 / 10MHz / 64QAM

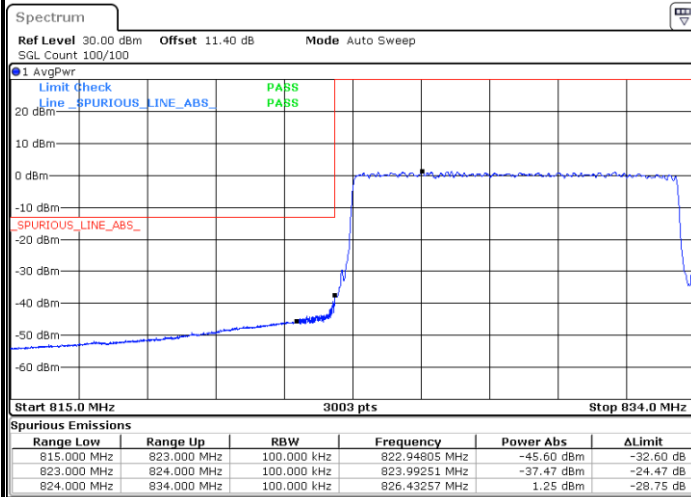
Lowest Band Edge / 1 RB



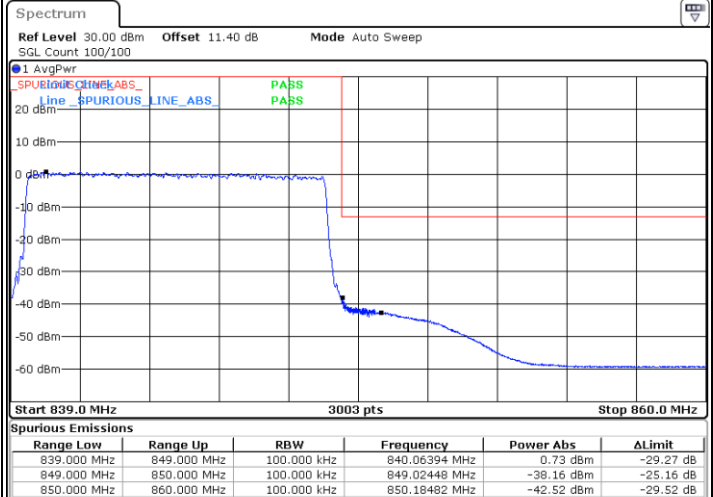
Highest Band Edge / 1 RB

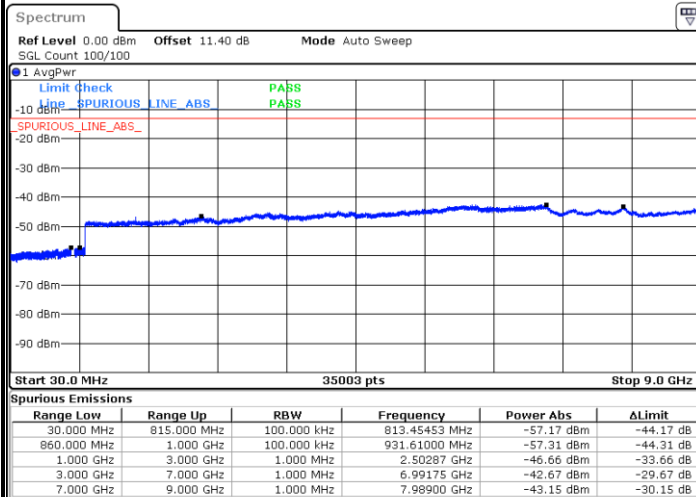


Lowest Band Edge / Full RB

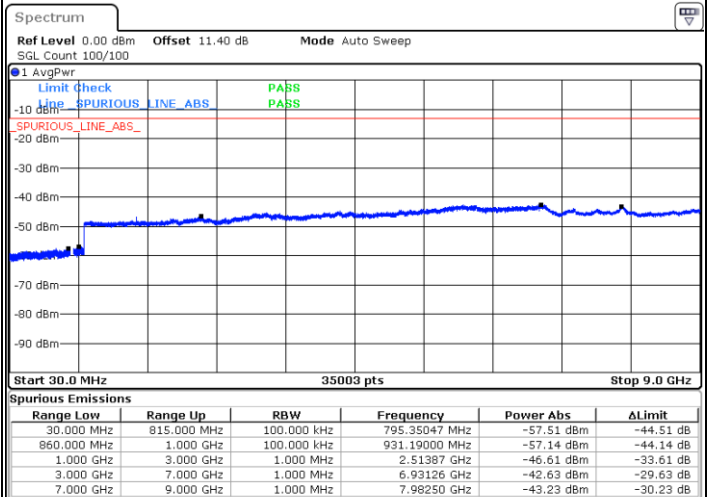


Highest Band Edge / Full RB

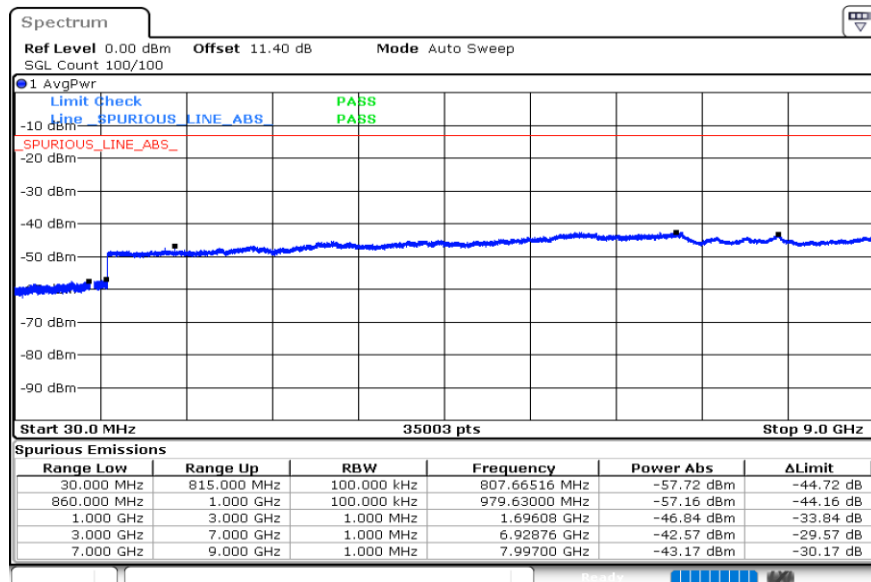


**Conducted Spurious Emission****LTE Band 5 / 1.4MHz****Lowest Channel / QPSK**

Date: 16.JAN.2021 18:28:53

Middle Channel / QPSK

Date: 16.JAN.2021 18:30:06

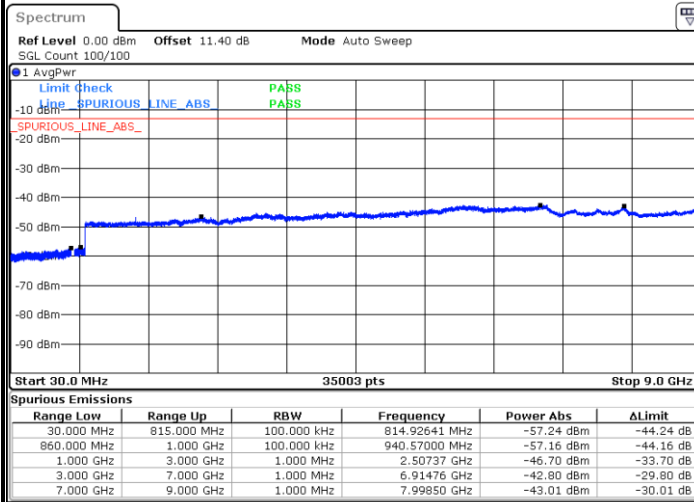
Highest Channel / QPSK

Date: 16.JAN.2021 18:37:21



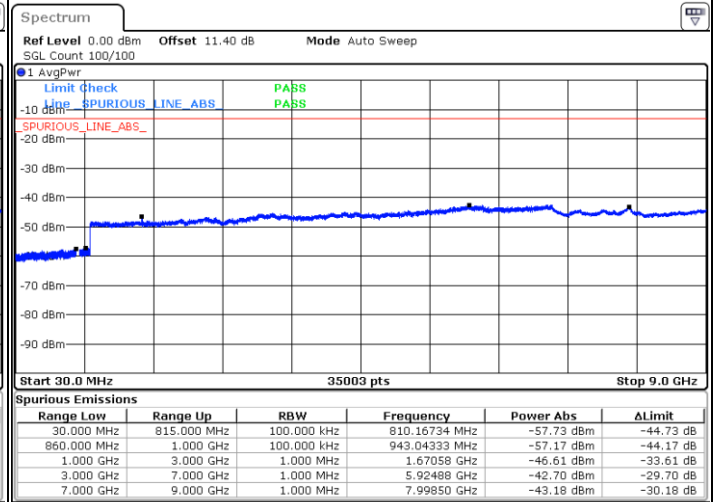
LTE Band 5 / 3MHz

Lowest Channel / QPSK



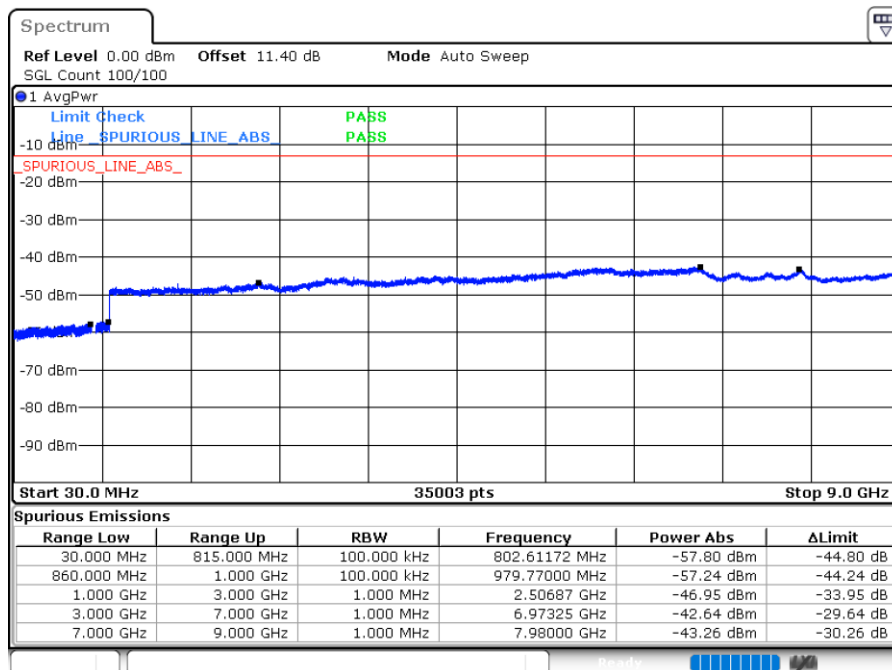
Date: 16.JAN.2021 18:51:46

Middle Channel / QPSK



Date: 16.JAN.2021 18:52:59

Highest Channel / QPSK

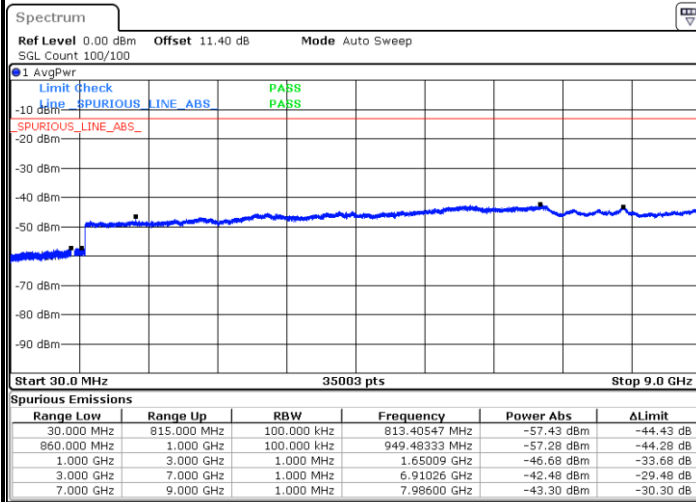


Date: 16.JAN.2021 19:00:13



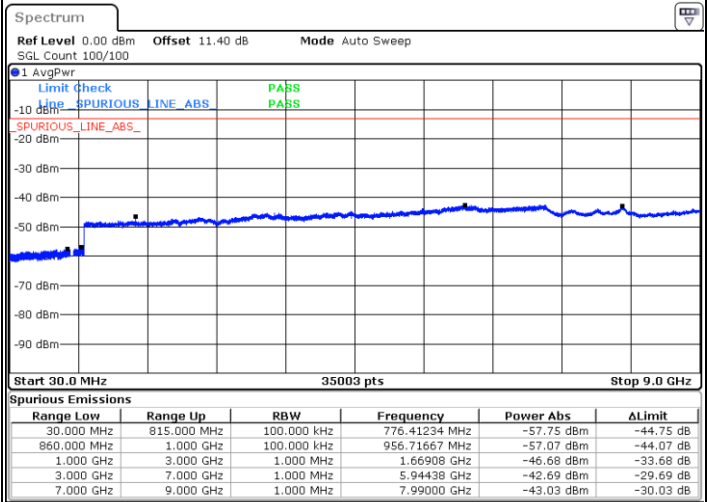
LTE Band 5 / 5MHz

Lowest Channel / QPSK



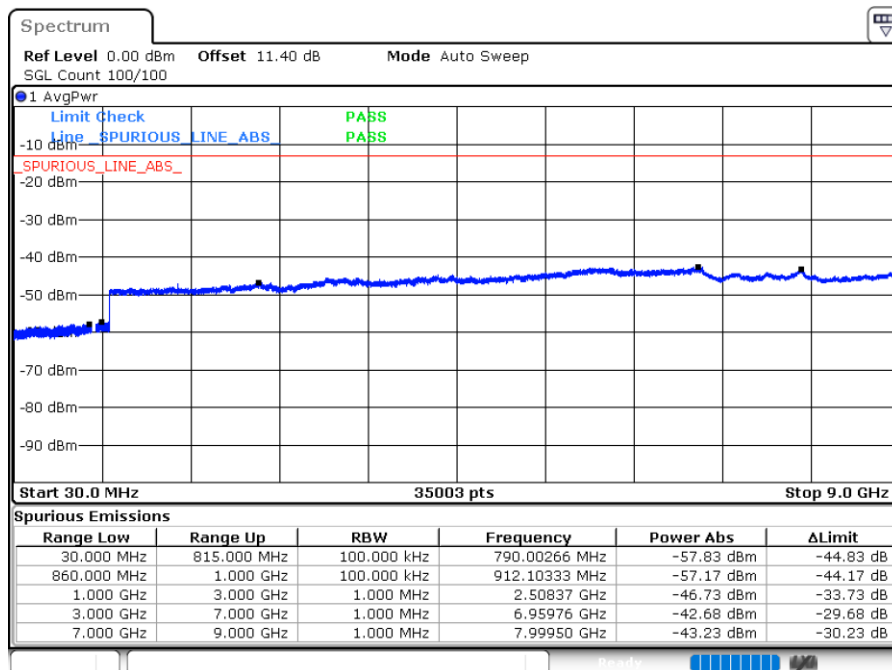
Date: 16.JAN.2021 19:14:39

Middle Channel / QPSK



Date: 16.JAN.2021 19:15:52

Highest Channel / QPSK

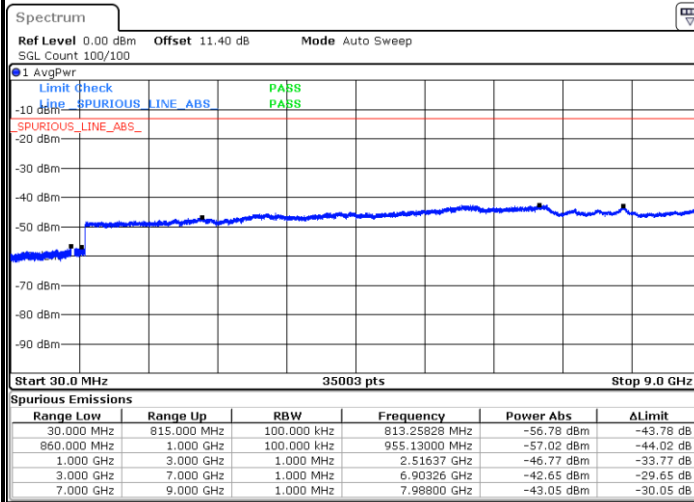


Date: 16.JAN.2021 19:23:06



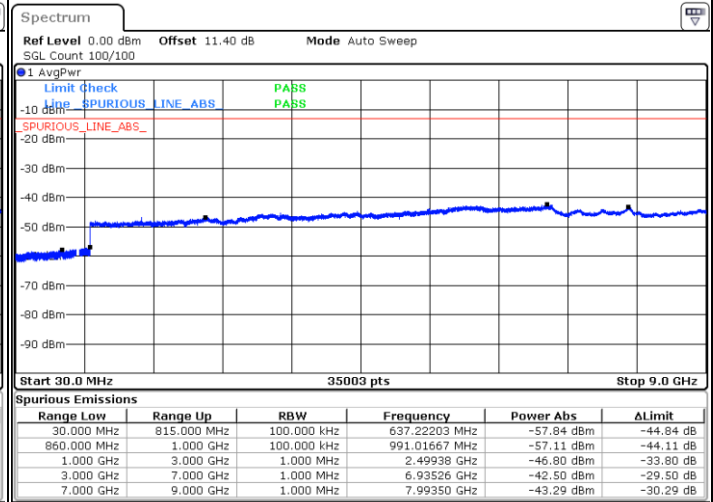
LTE Band 5 / 10MHz

Lowest Channel / QPSK



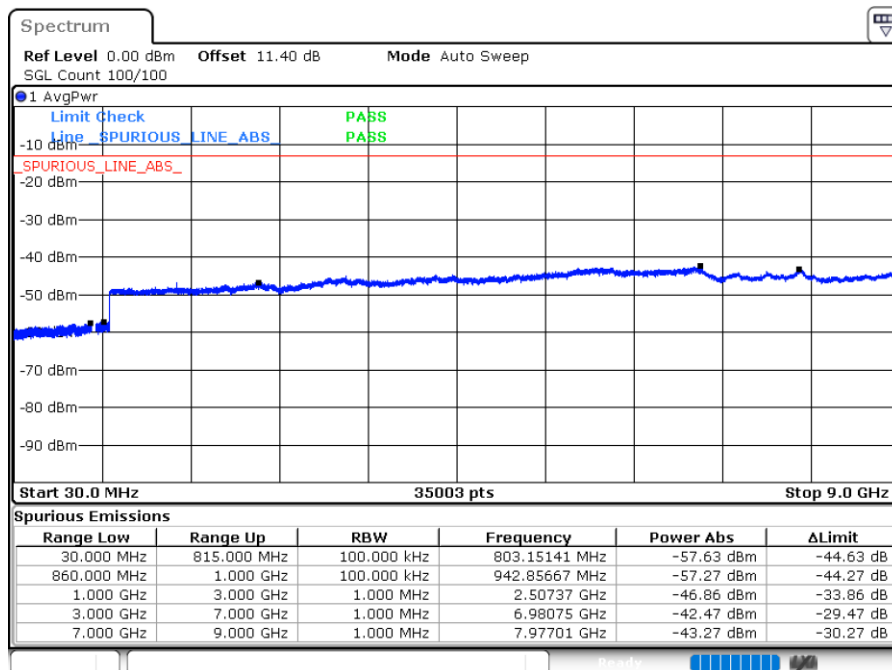
Date: 16.JAN.2021 19:37:32

Middle Channel / QPSK



Date: 16.JAN.2021 19:38:45

Highest Channel / QPSK



Date: 16.JAN.2021 19:45:59

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	0.0004	PASS
40	Normal Voltage	0.0166	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0185	
-10	Normal Voltage	0.0027	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage =48 V. ; Battery End Point (BEP) =43 V. ; Maximum Voltage =53 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 5B

26dB Bandwidth

Mode	LTE Band 5B : 26dB BW(MHz)		
QPSK			
BW	5MHz+10MHz	10MHz+5MHz	10MHz+10MHz
Middle CH	14.54	14.63	19.54

Mode	LTE Band 5B : 26dB BW(MHz)		
16QAM			
BW	5MHz+10MHz	10MHz+5MHz	10MHz+10MHz
Middle CH	14.54	14.66	19.74

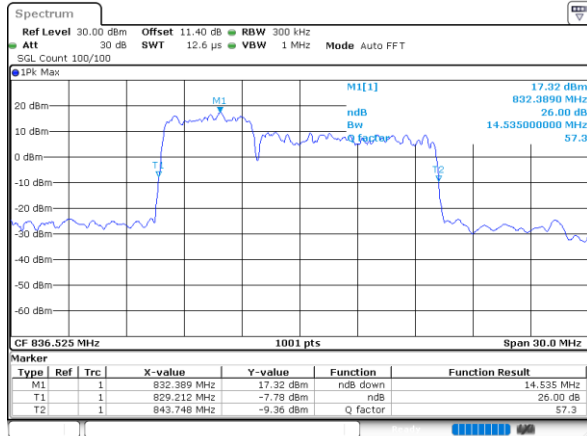
Mode	LTE Band 5B : 26dB BW(MHz)		
64QAM			
BW	5MHz+10MHz	10MHz+5MHz	10MHz+10MHz
Middle CH	14.54	14.60	19.46



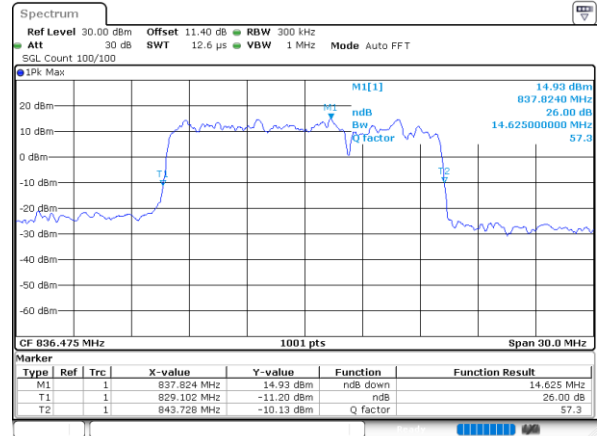
LTE Band 5B

QPSK

Middle Channel / 5MHz+10MHz



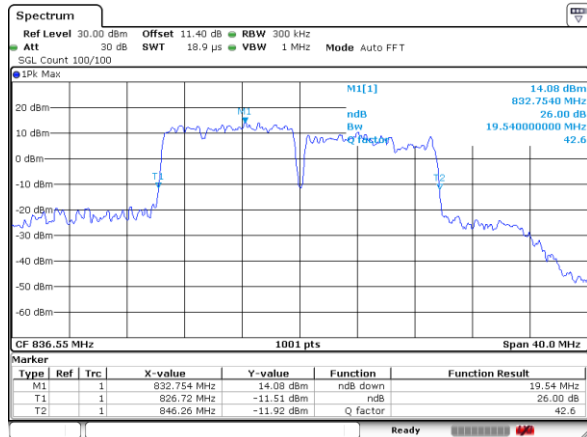
Middle Channel / 10MHz+5MHz



LTE Band 5B

QPSK

Middle Channel / 10MHz+10MHz



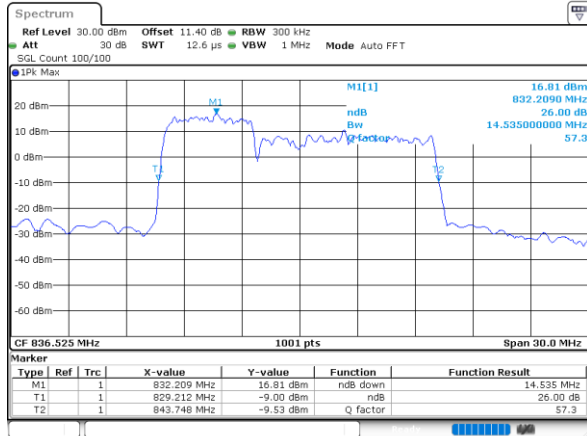
N/A



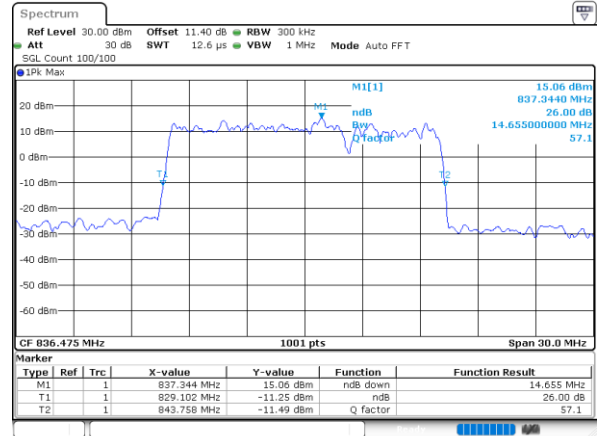
LTE Band 5B

16QAM

Middle Channel / 5MHz+10MHz



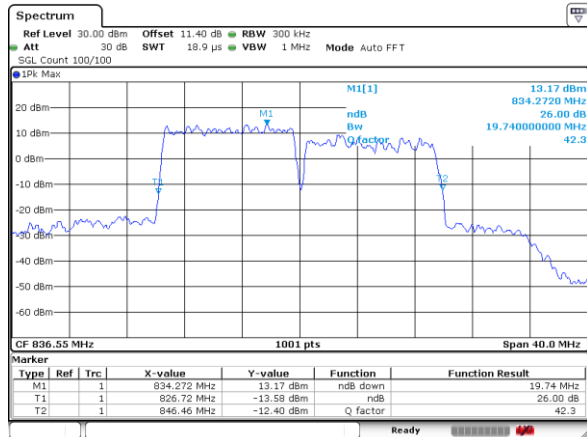
Middle Channel / 10MHz+5MHz



LTE Band 5B

16QAM

Middle Channel / 10MHz+10MHz



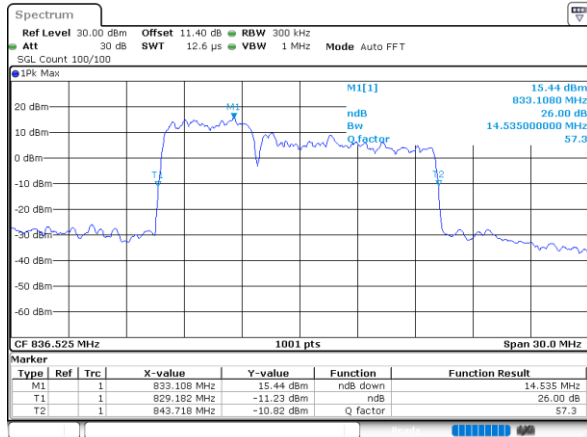
N/A



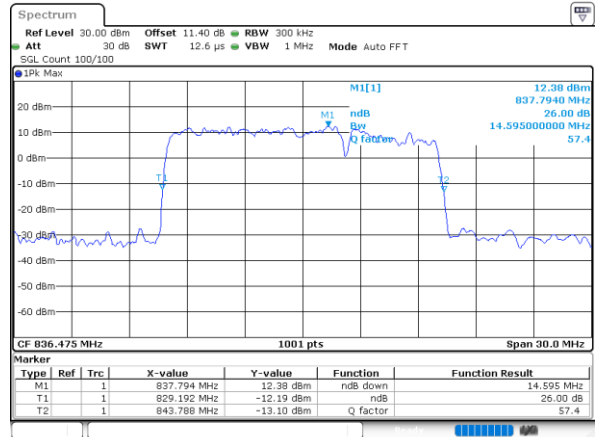
LTE Band 5B

64QAM

Middle Channel / 5MHz+10MHz



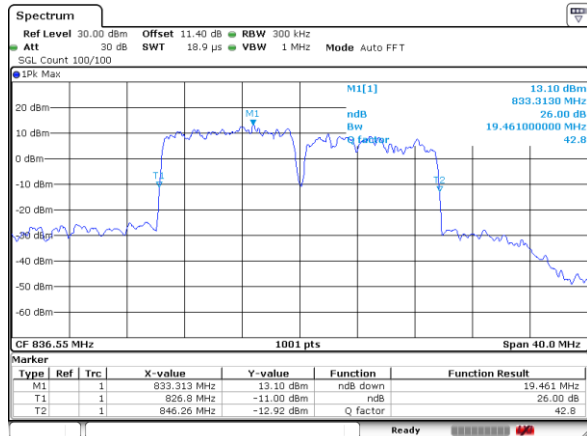
Middle Channel / 10MHz+5MHz



LTE Band 5B

64QAM

Middle Channel / 10MHz+10MHz



N/A

Occupied Bandwidth

Mode	LTE Band 5B : 99%OBW(MHz)		
QPSK			
BW	5MHz+10MHz	10MHz+5MHz	10MHz+10MHz
Middle CH	13.79	13.85	18.54

Mode	LTE Band 5B : 99%OBW(MHz)		
16QAM			
BW	5MHz+10MHz	10MHz+5MHz	10MHz+10MHz
Middle CH	13.70	13.76	18.66

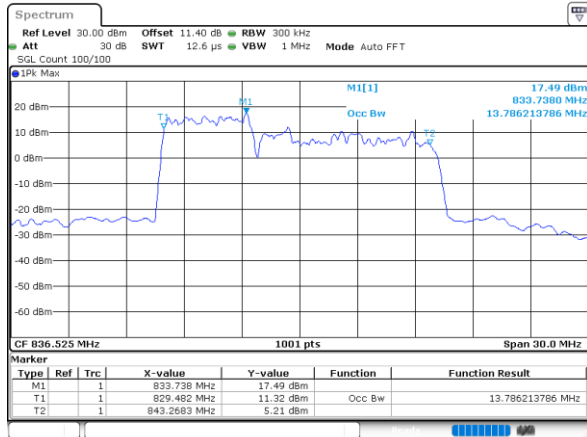
Mode	LTE Band 5B : 99%OBW(MHz)		
64QAM			
BW	5MHz+10MHz	10MHz+5MHz	10MHz+10MHz
Middle CH	13.82	13.82	18.70



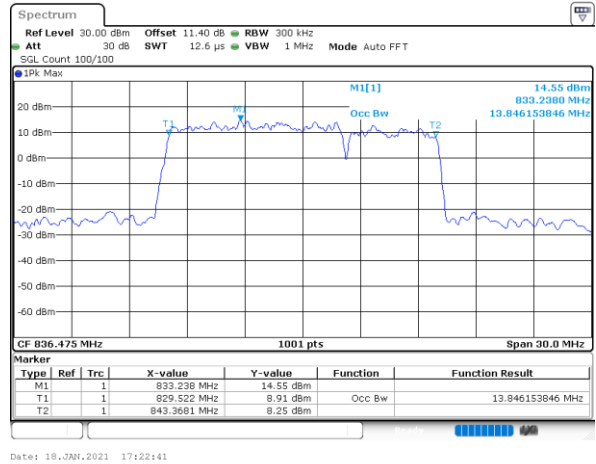
LTE Band 5B

QPSK

Middle Channel / 5MHz+10MHz



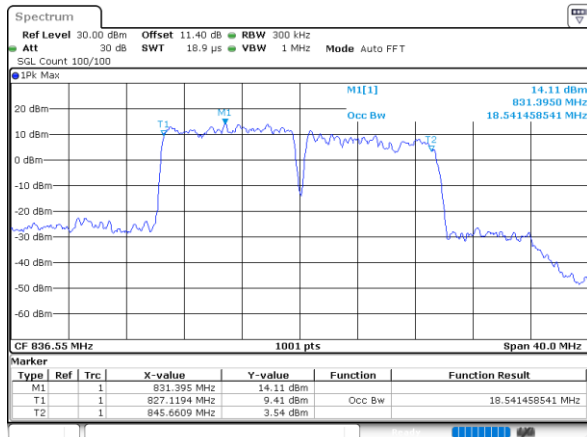
Middle Channel / 10MHz+5MHz



LTE Band 5B

QPSK

Middle Channel / 10MHz+10MHz



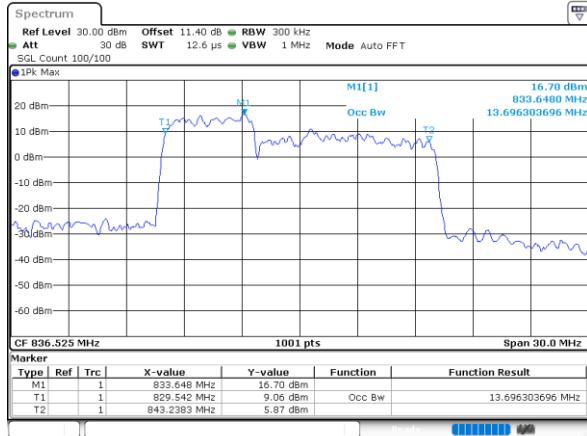
N/A



LTE Band 5B

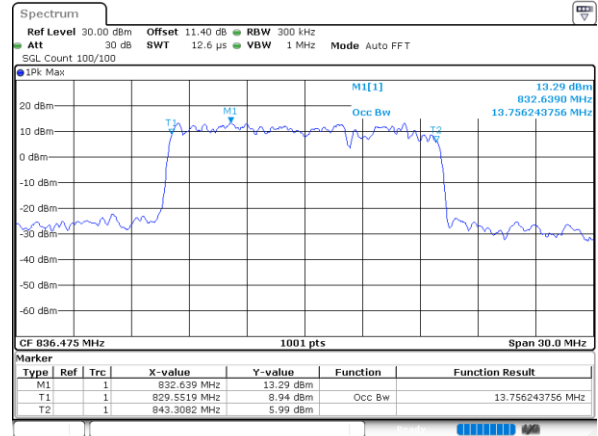
16QAM

Middle Channel / 5MHz+10MHz



Date: 18_JAN.2021 16:37:59

Middle Channel / 10MHz+5MHz

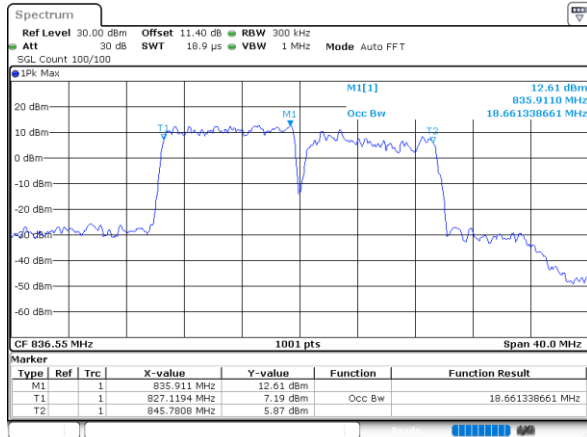


Date: 18_JAN.2021 17:23:04

LTE Band 5B

16QAM

Middle Channel / 10MHz+10MHz



Date: 18_JAN.2021 18:06:41

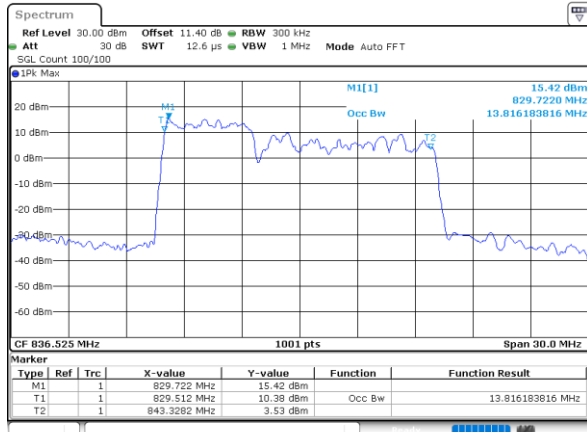
N/A



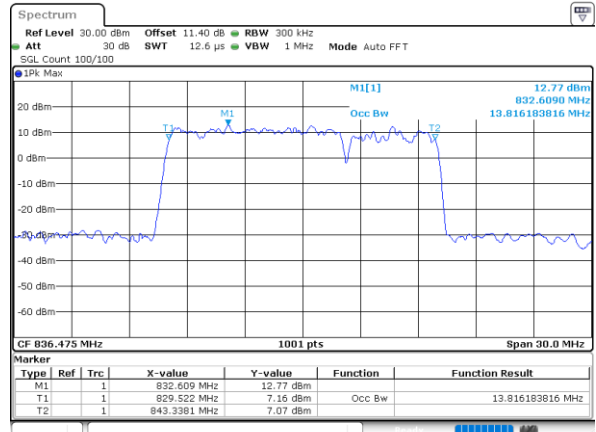
LTE Band 5B

64QAM

Middle Channel / 5MHz+10MHz



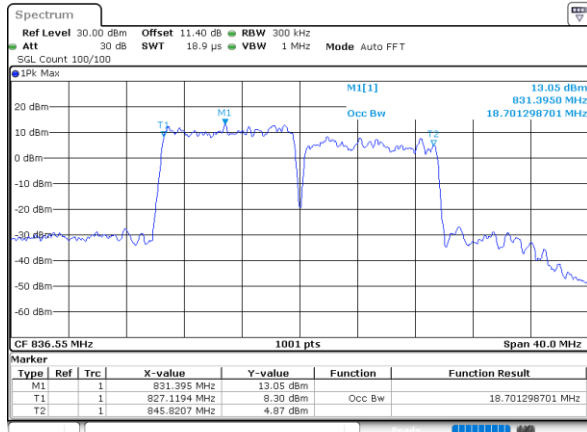
Middle Channel / 10MHz+5MHz



LTE Band 5B

64QAM

Middle Channel / 10MHz+10MHz



N/A

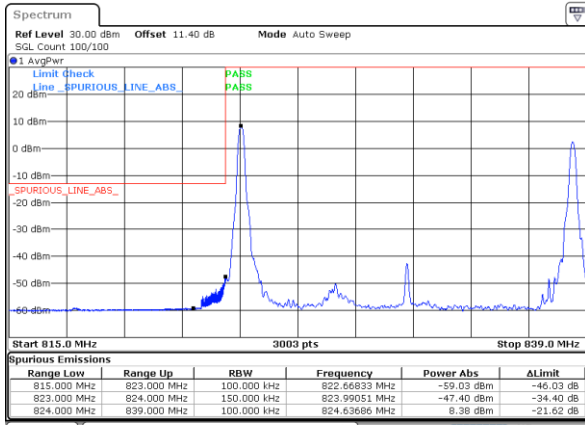


Conducted Band Edge

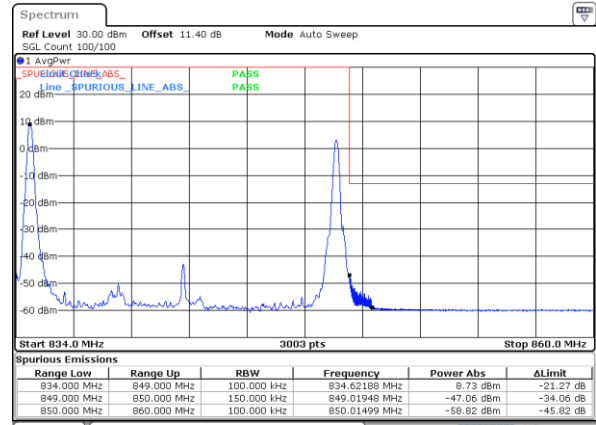
LTE Band 5B / 5MHz+10MHz

QPSK

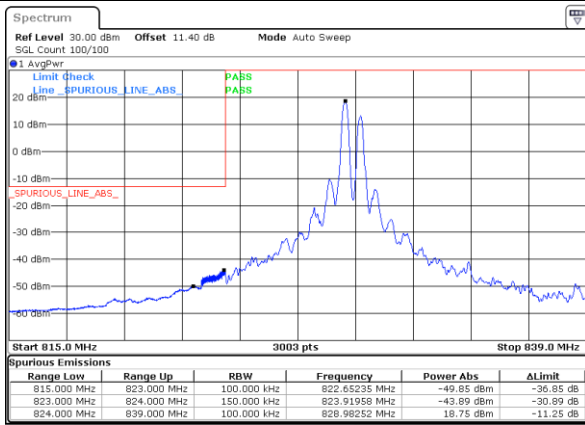
Lowest Band Edge / 1RB0 and 1RB49



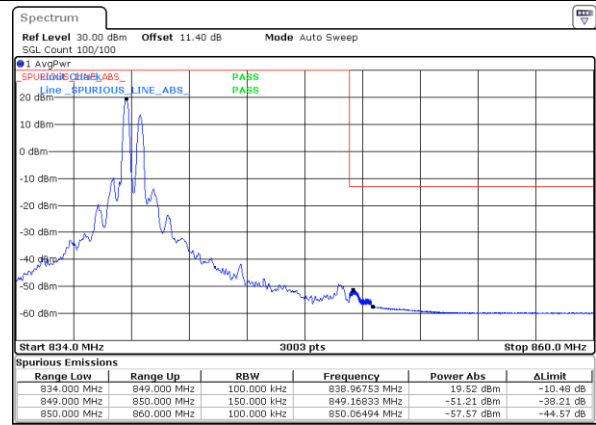
Highest Band Edge / 1RB0 and 1RB49



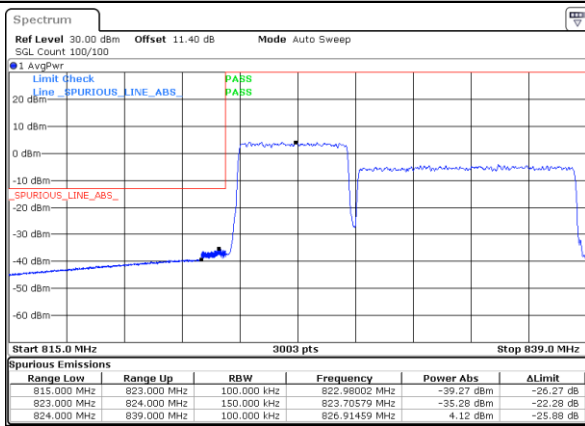
Lowest Band Edge / 1RB24 and 1RB0



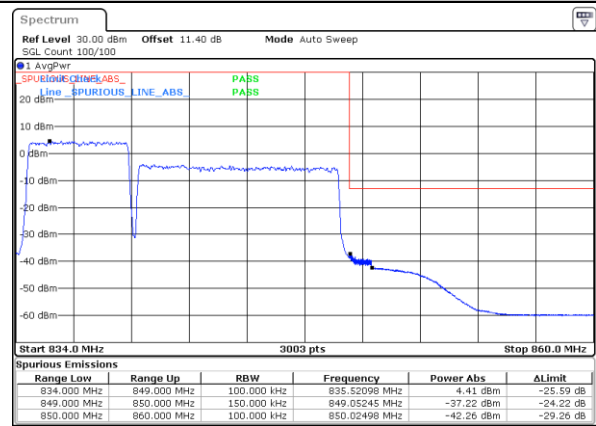
Highest Band Edge / 1RB24 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

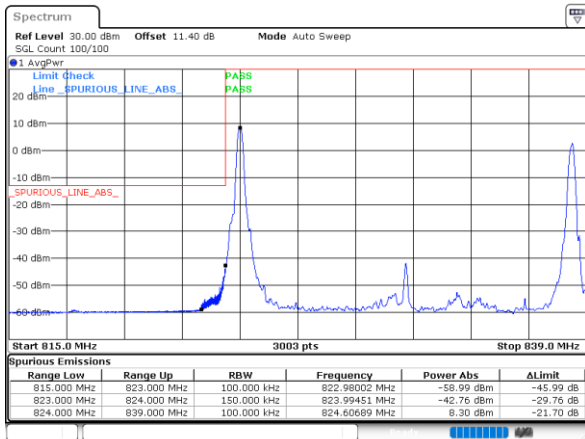




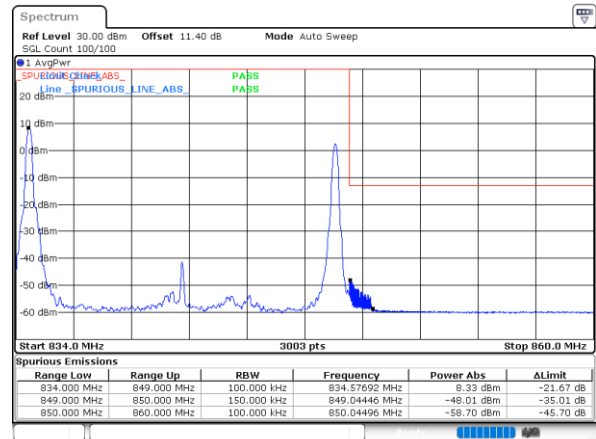
LTE Band 5B / 10MHz+5MHz

QPSK

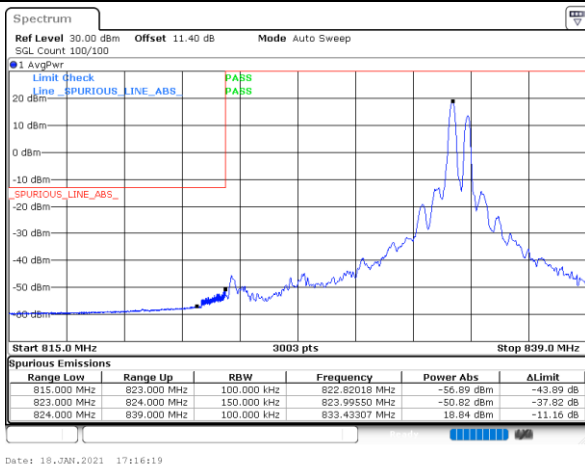
Lowest Band Edge / 1RB0 and 1RB24



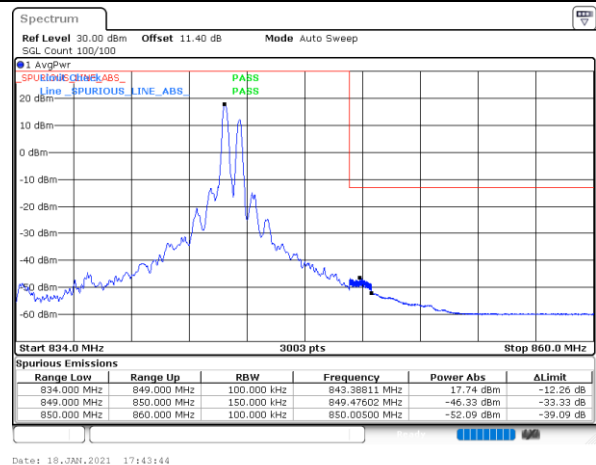
Highest Band Edge / 1RB0 and 1RB24



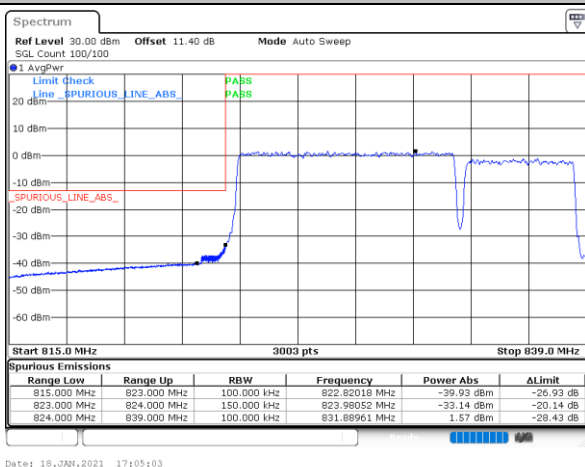
Lowest Band Edge / 1RB49 and 1RB0



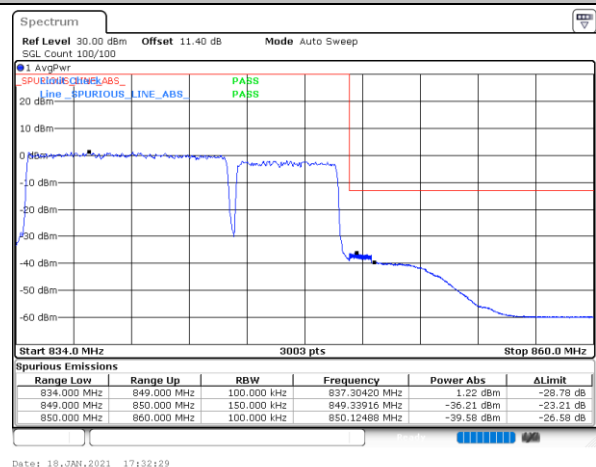
Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

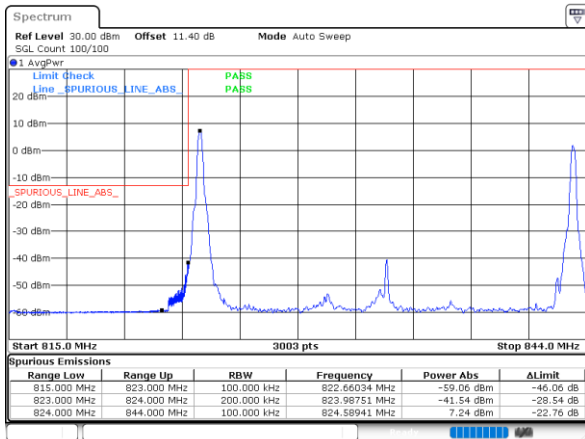




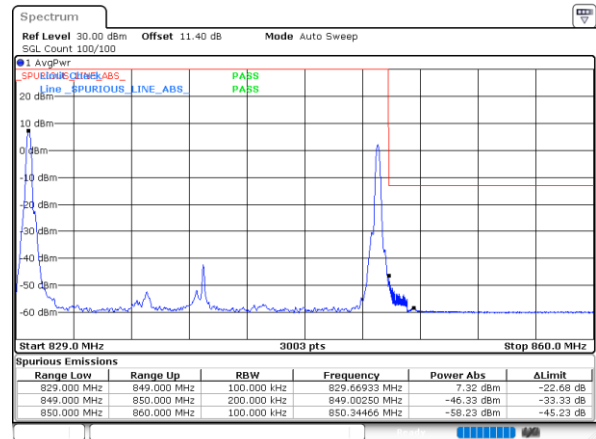
LTE Band 5B / 10MHz+10MHz

QPSK

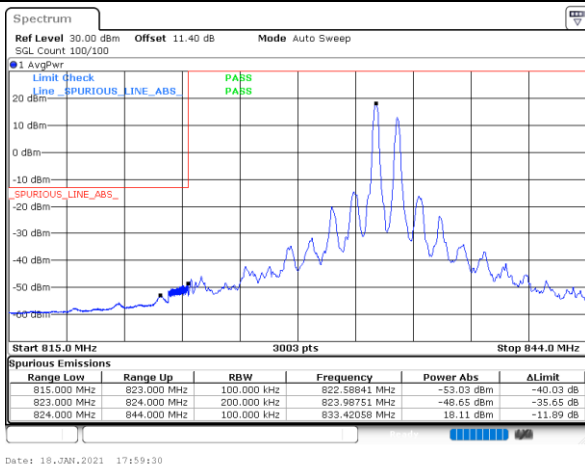
Lowest Band Edge / 1RB0 and 1RB49



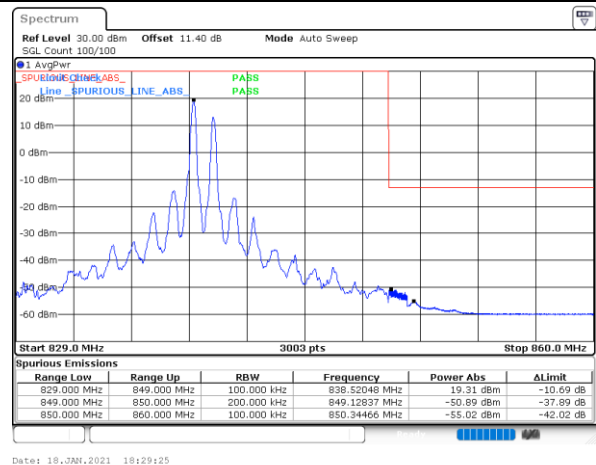
Highest Band Edge / 1RB0 and 1RB49



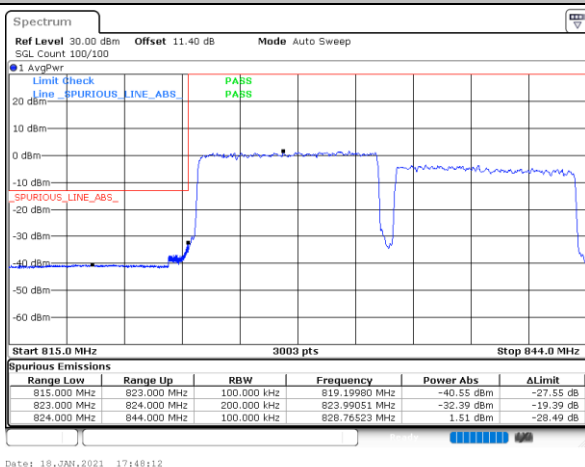
Lowest Band Edge / 1RB49 and 1RB0



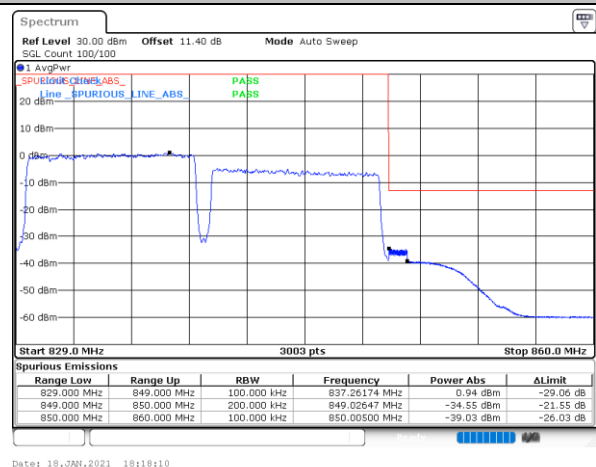
Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

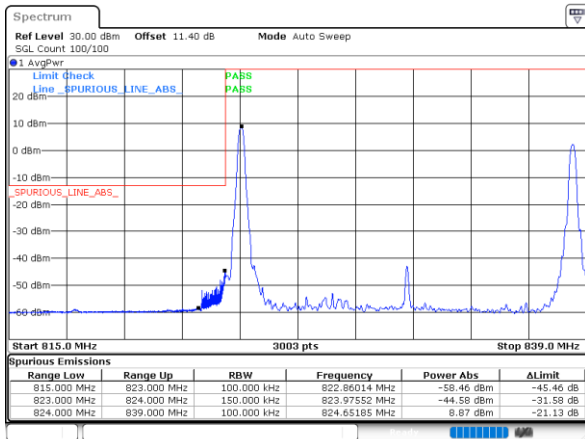




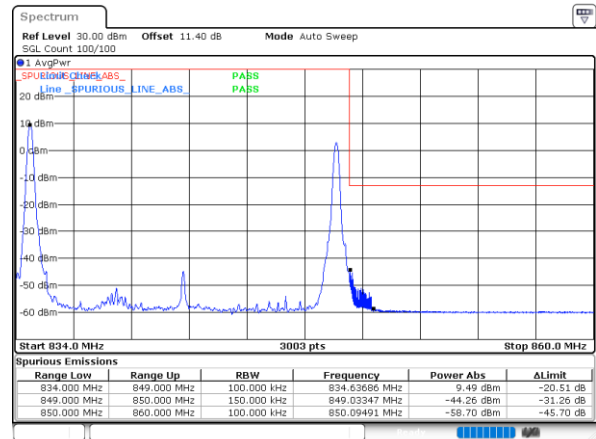
LTE Band 5B / 5MHz+10MHz

16QAM

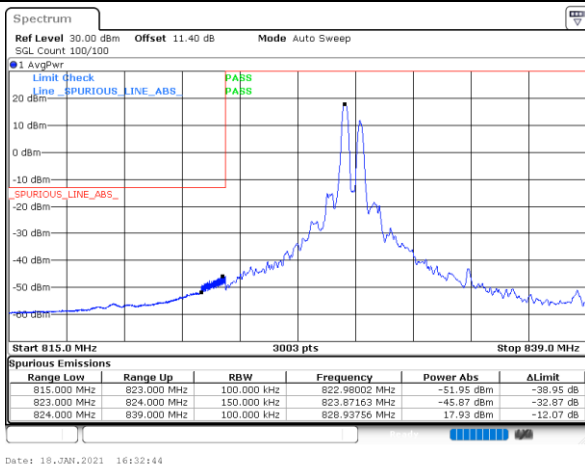
Lowest Band Edge / 1RB0 and 1RB49



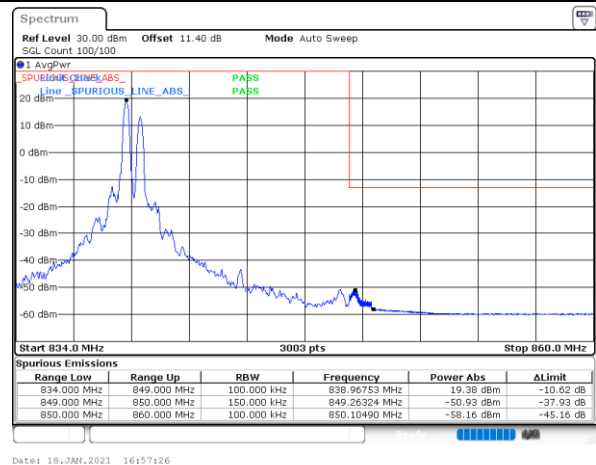
Highest Band Edge / 1RB0 and 1RB49



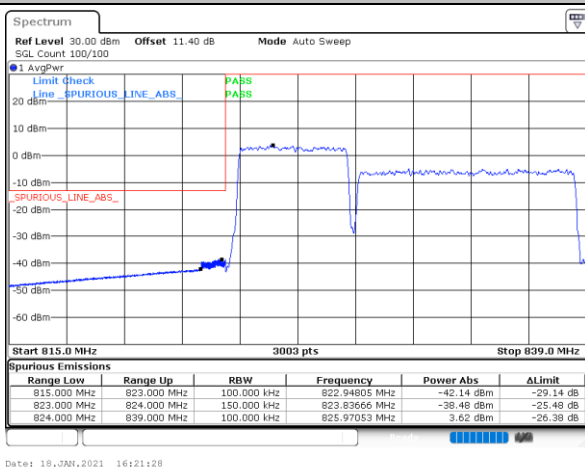
Lowest Band Edge / 1RB24 and 1RB0



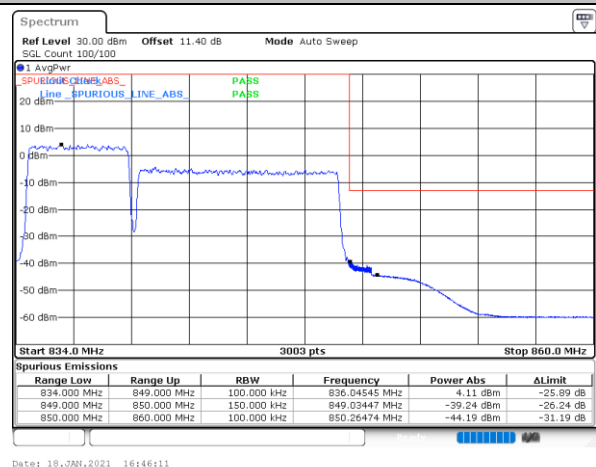
Highest Band Edge / 1RB24 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

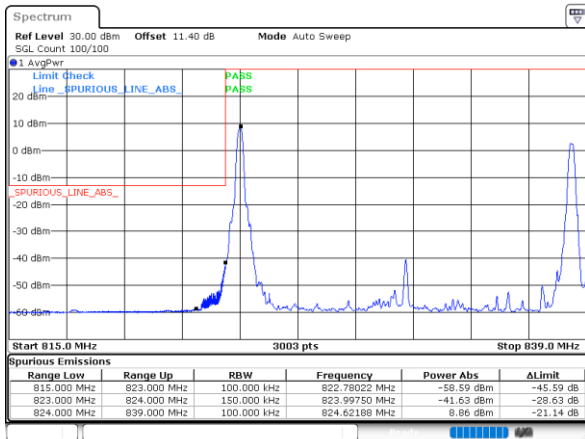




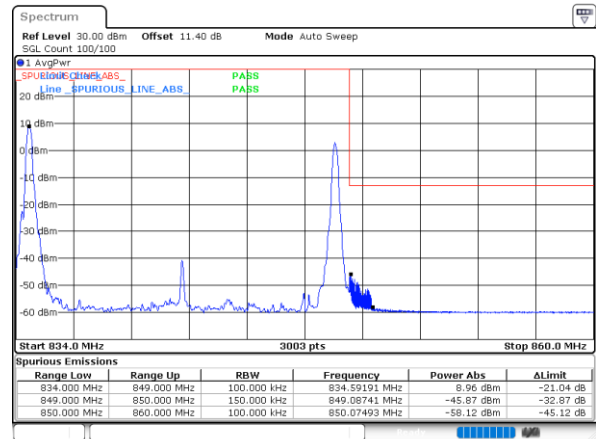
LTE Band 5B / 10MHz+5MHz

16QAM

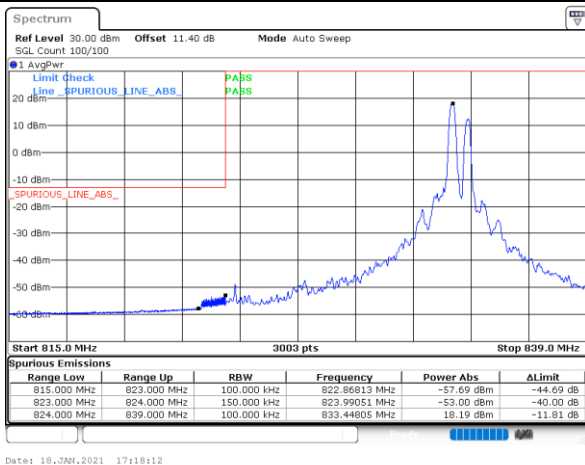
Lowest Band Edge / 1RB0 and 1RB24



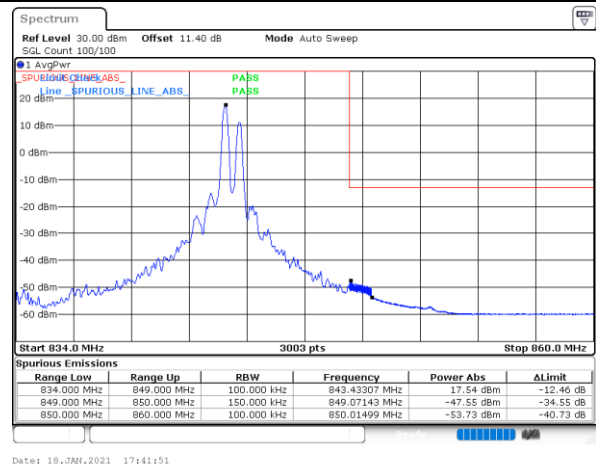
Highest Band Edge / 1RB0 and 1RB24



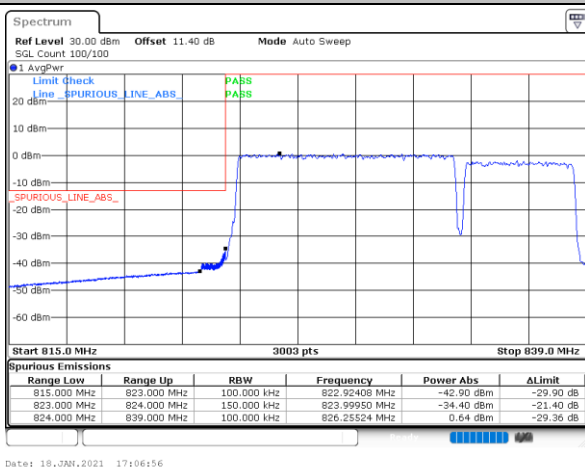
Lowest Band Edge / 1RB49 and 1RB0



Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

