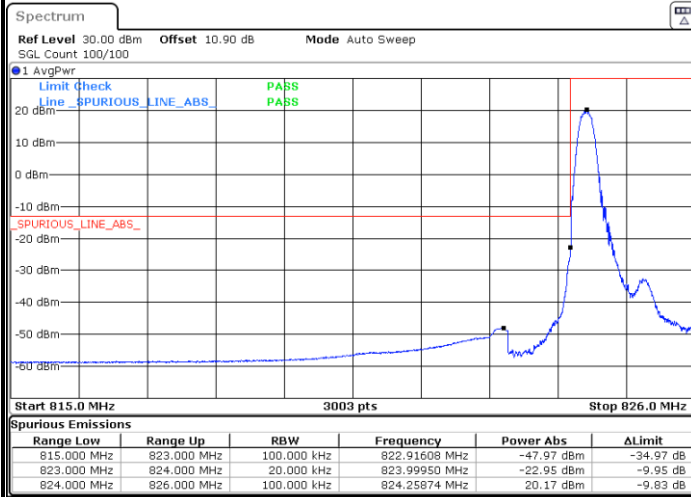


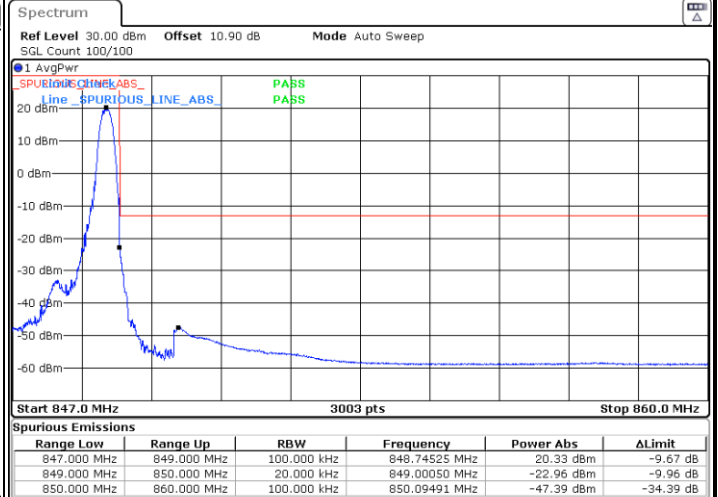


LTE Band 5 / 1.4MHz / 16QAM

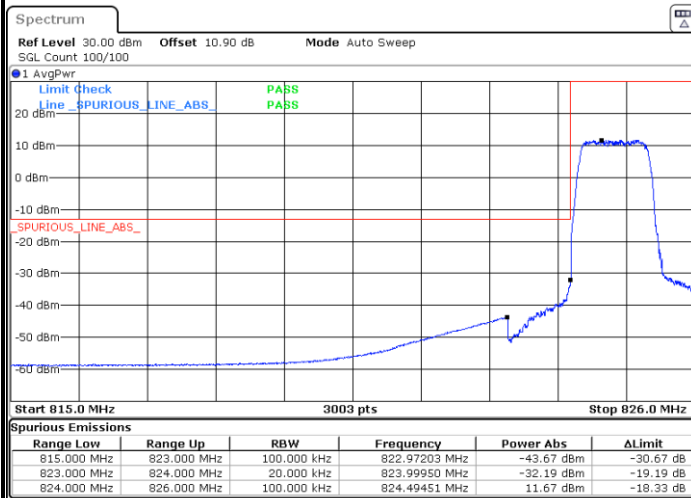
Lowest Band Edge / 1 RB



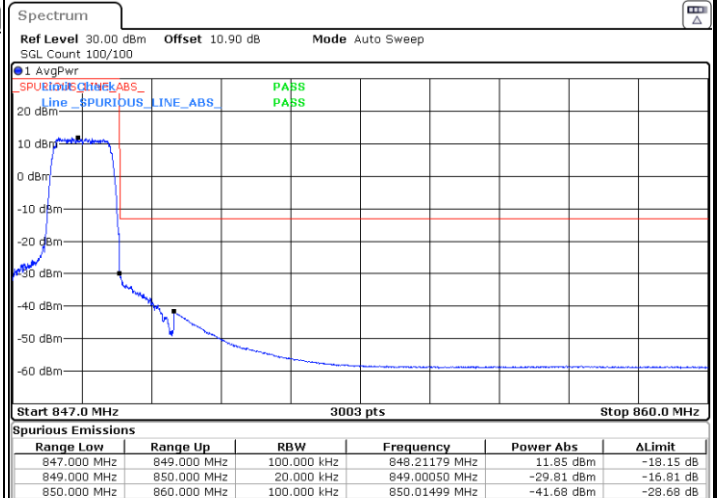
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



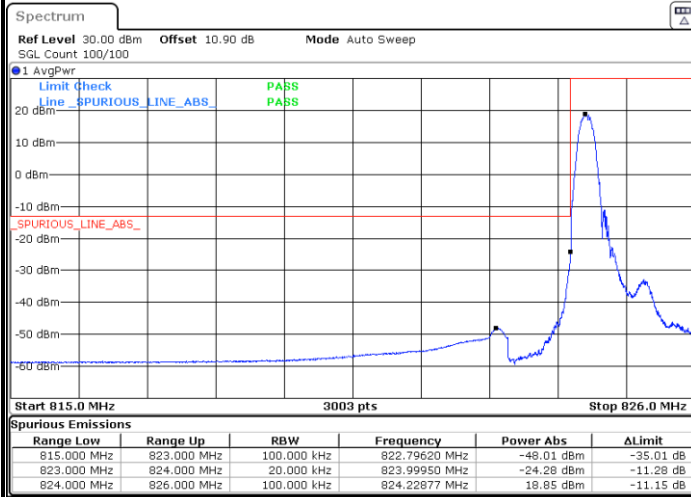
Highest Band Edge / Full RB



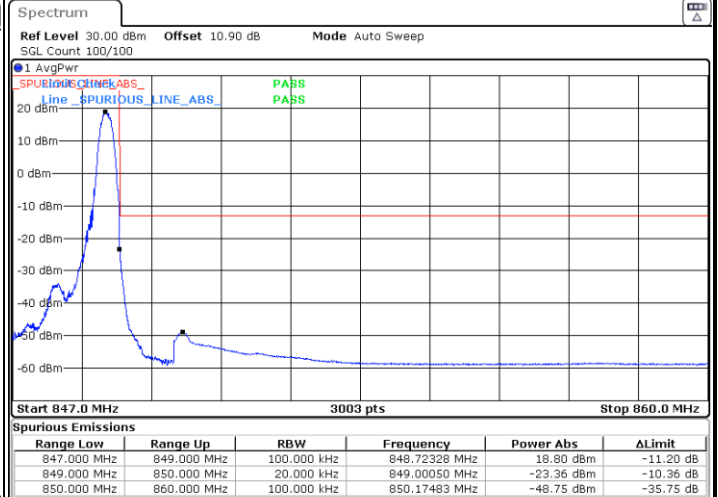


LTE Band 5 / 1.4MHz / 64QAM

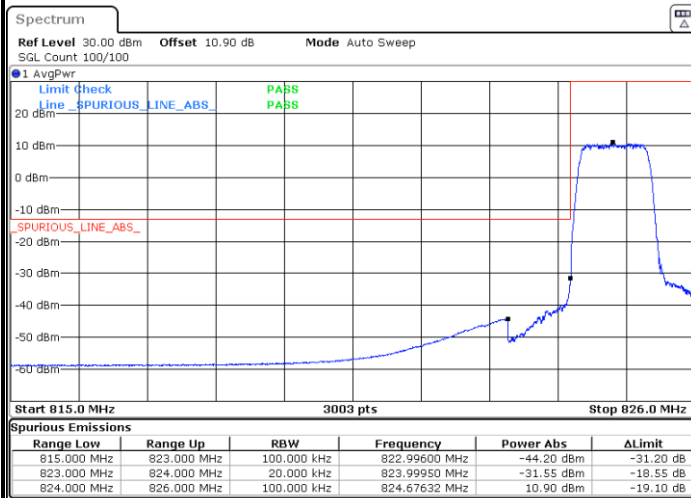
Lowest Band Edge / 1 RB



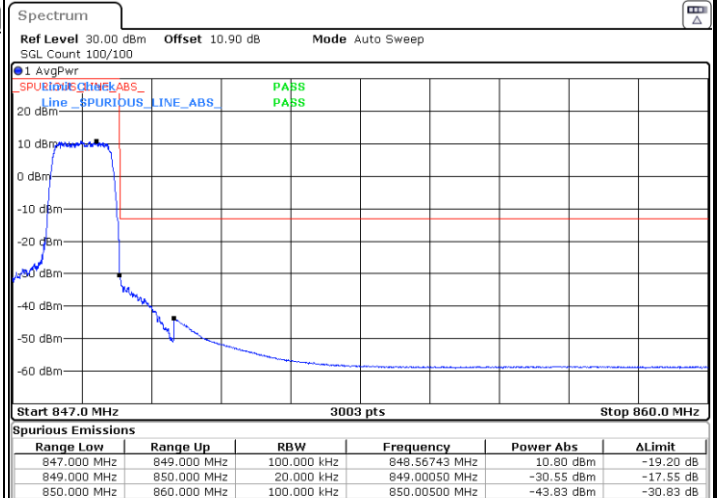
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



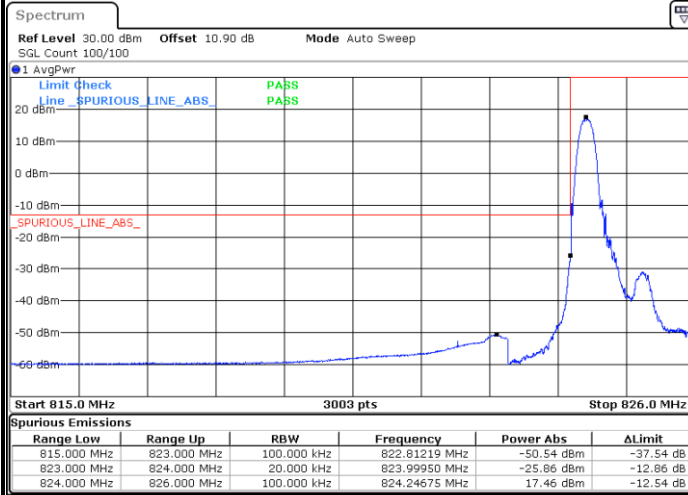
Highest Band Edge / Full RB



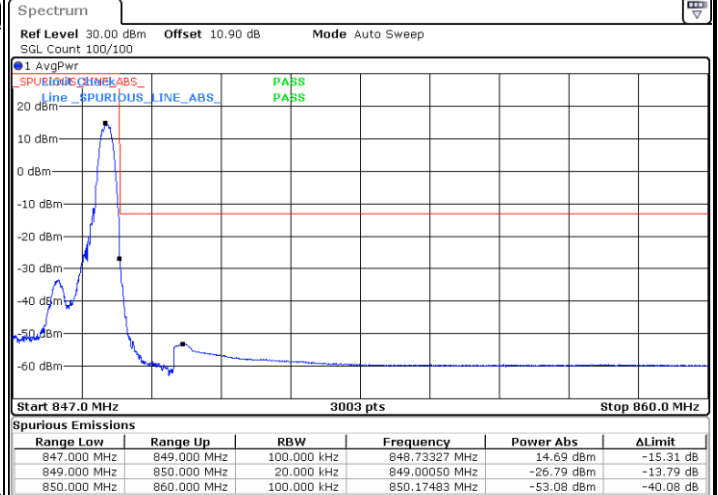


LTE Band 5 / 1.4MHz / 256QAM

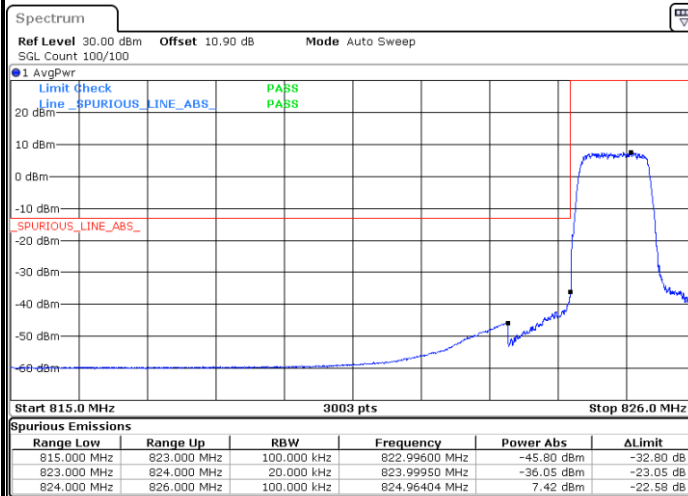
Lowest Band Edge / 1 RB



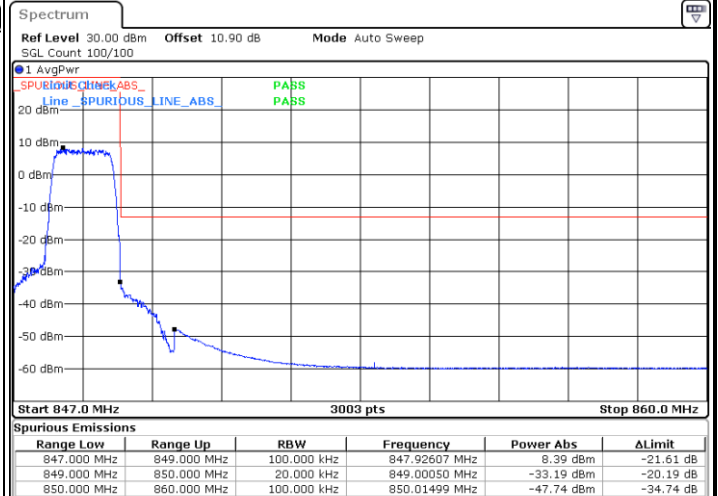
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



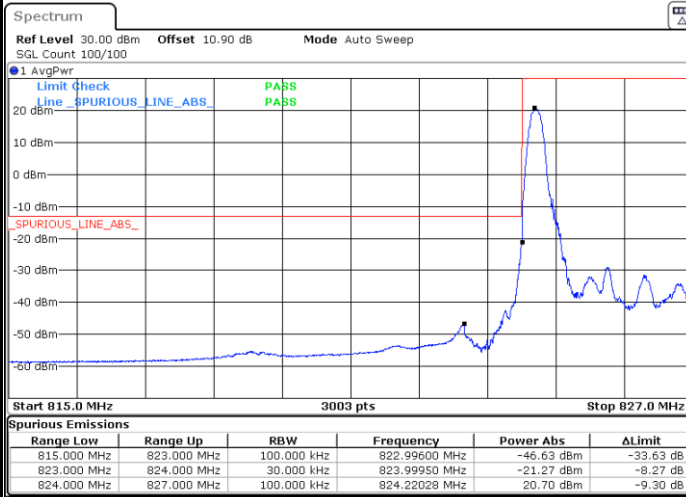
Highest Band Edge / Full RB



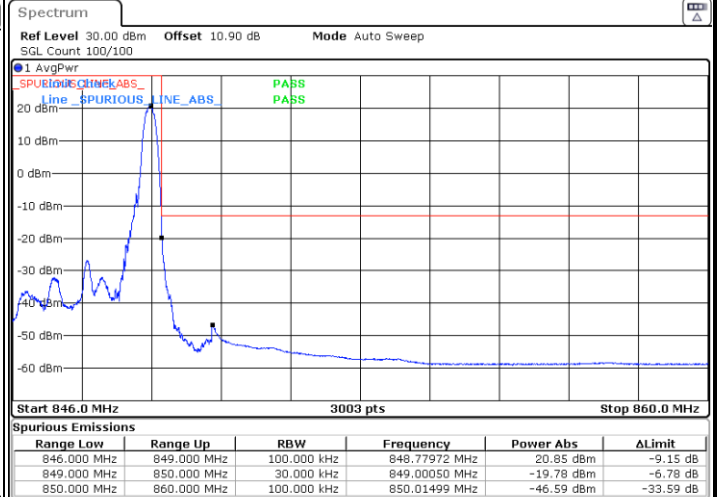


LTE Band 5 / 3MHz / QPSK

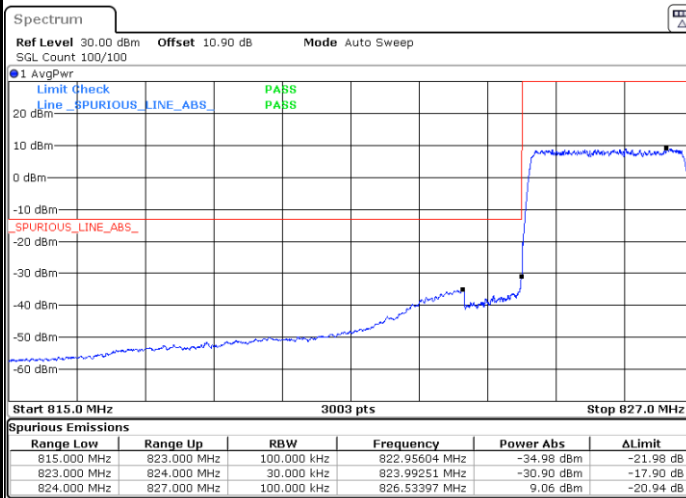
Lowest Band Edge / 1RB



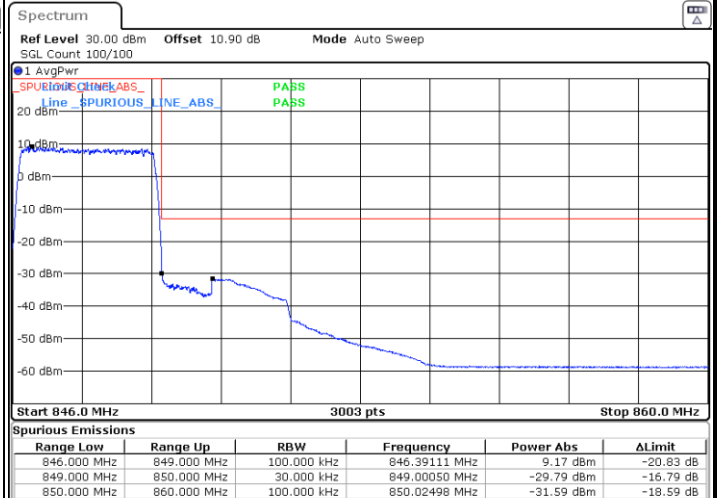
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



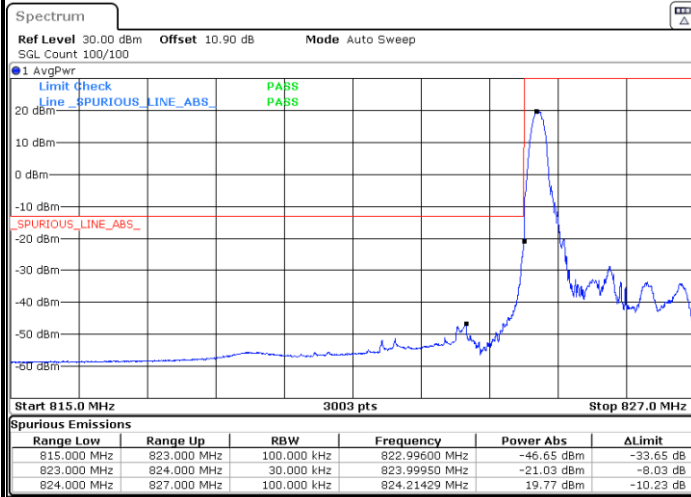
Highest Band Edge / Full RB





LTE Band 5 / 3MHz / 16QAM

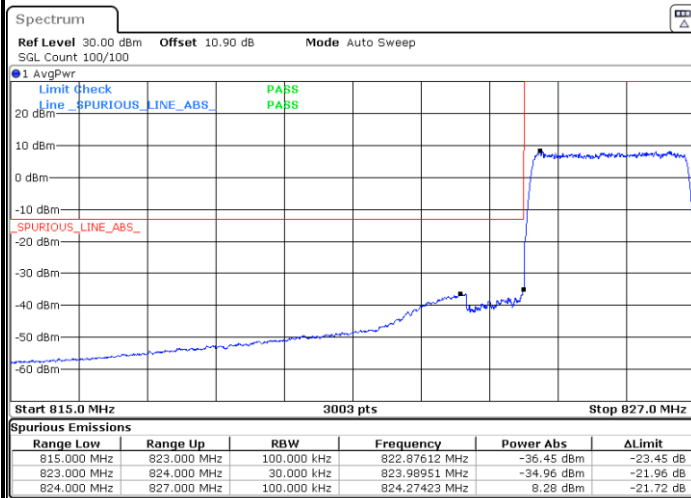
Lowest Band Edge / 1 RB



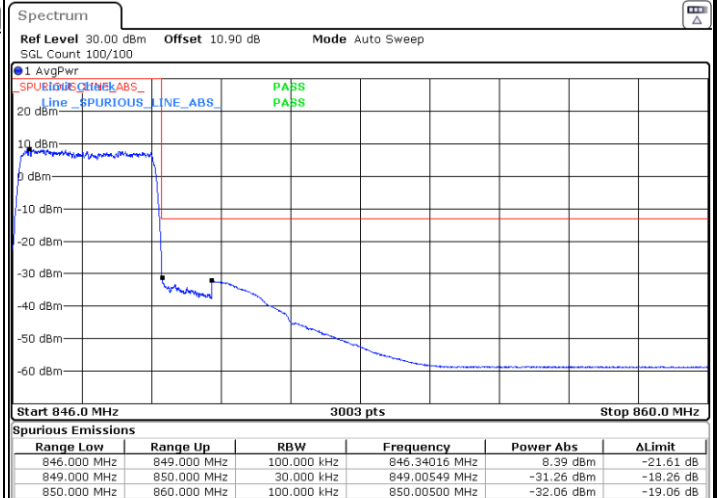
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



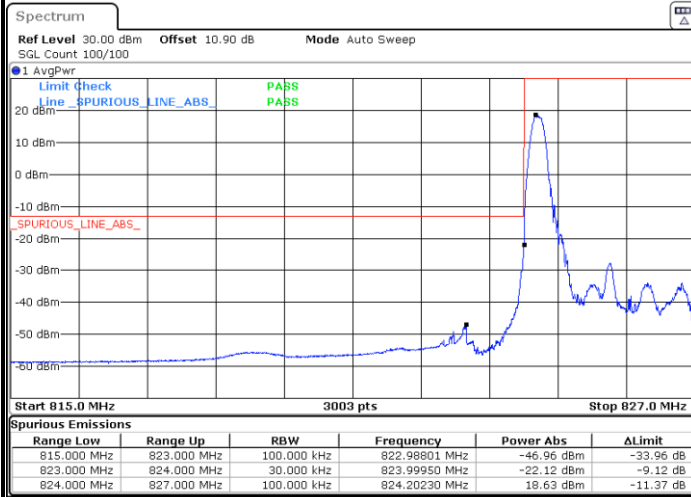
Highest Band Edge / Full RB



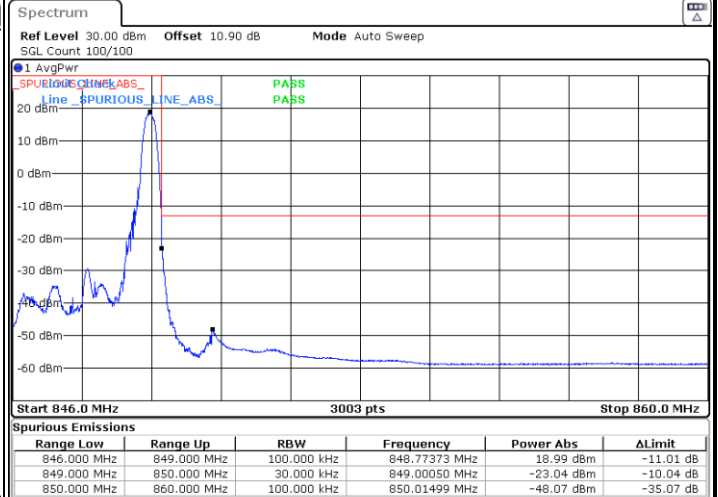


LTE Band 5 / 3MHz / 64QAM

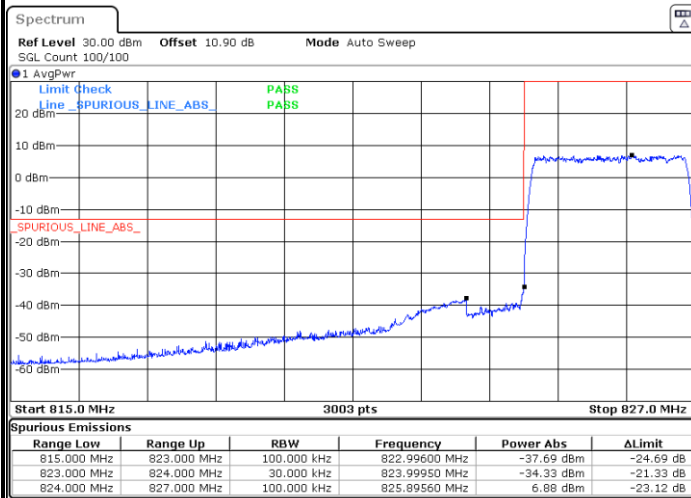
Lowest Band Edge / 1 RB



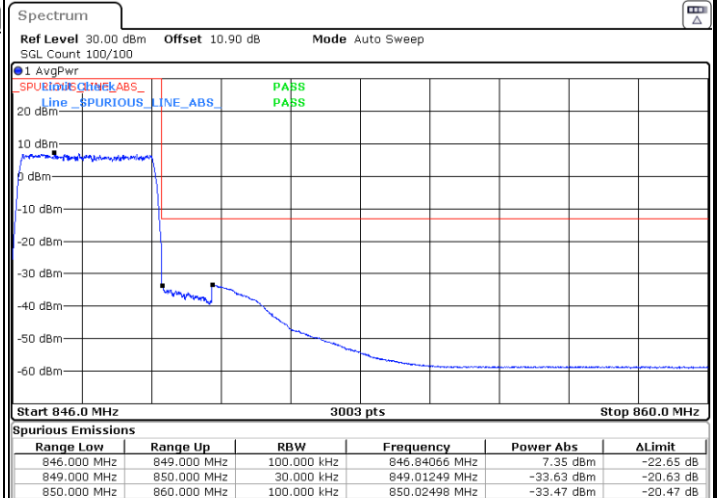
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



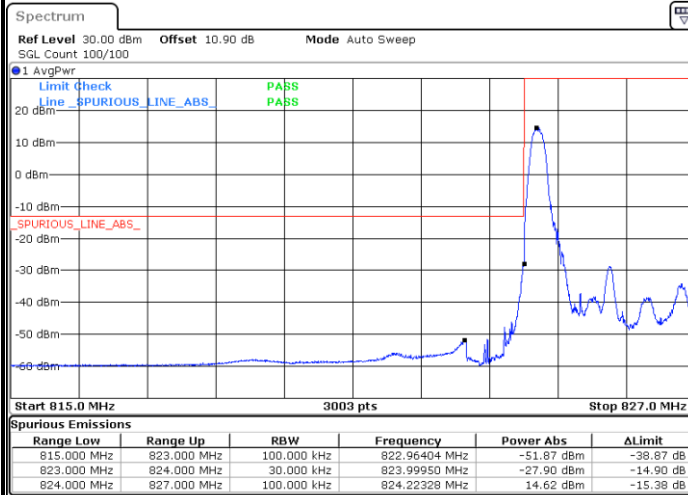
Highest Band Edge / Full RB



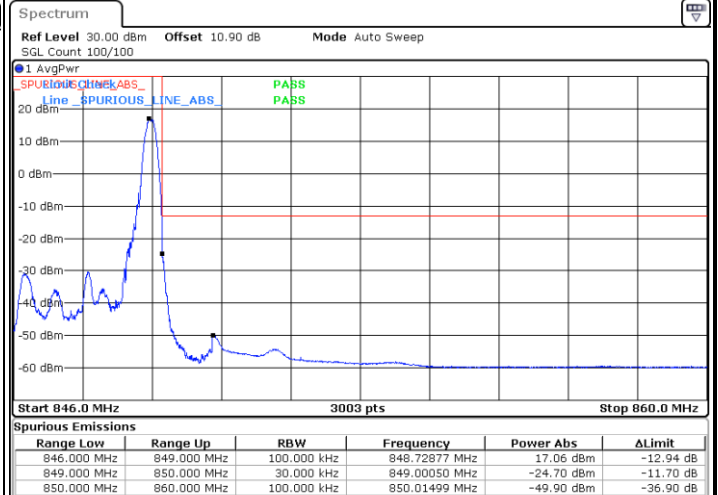


LTE Band 5 / 3MHz / 256QAM

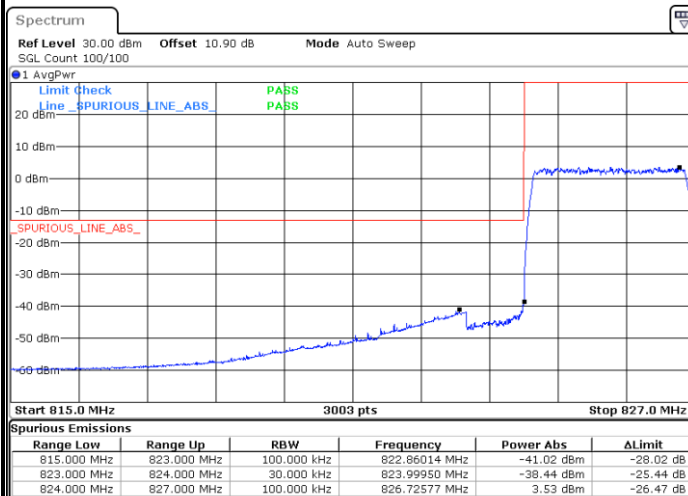
Lowest Band Edge / 1 RB



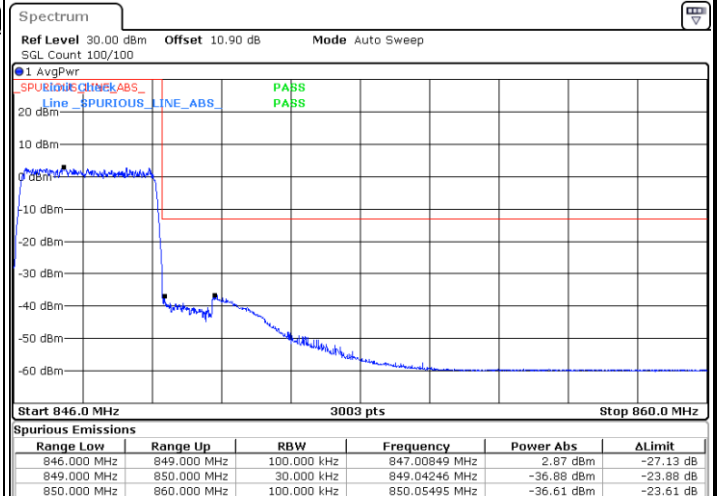
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



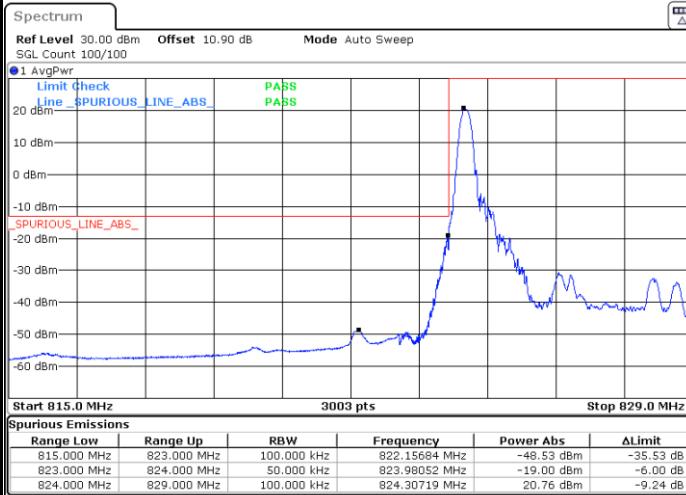
Highest Band Edge / Full RB



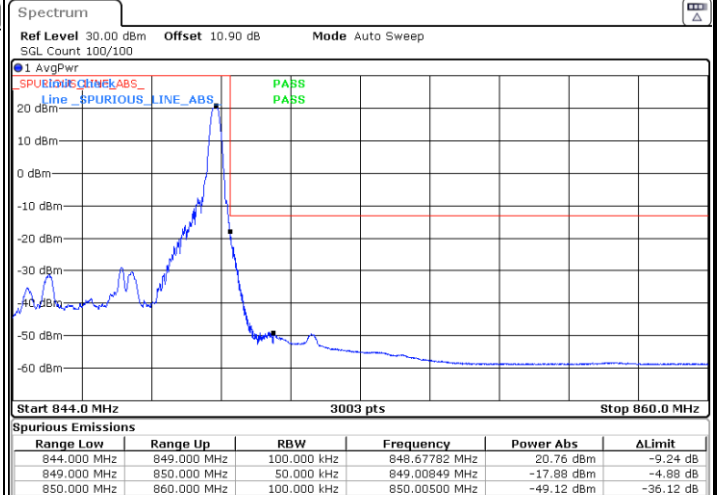


LTE Band 5 / 5MHz / QPSK

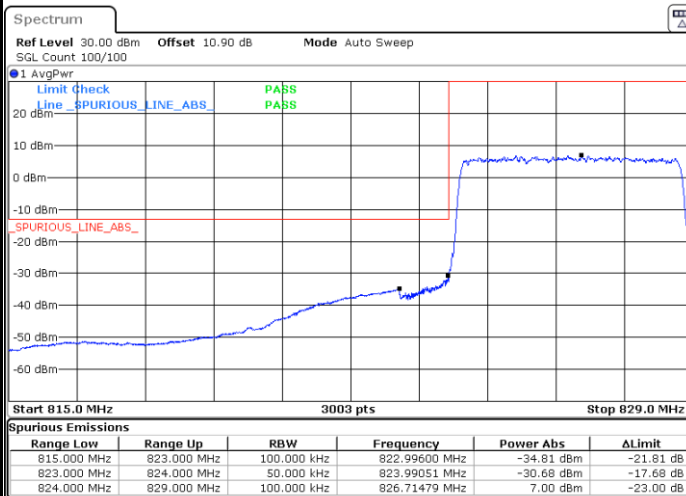
Lowest Band Edge / 1 RB



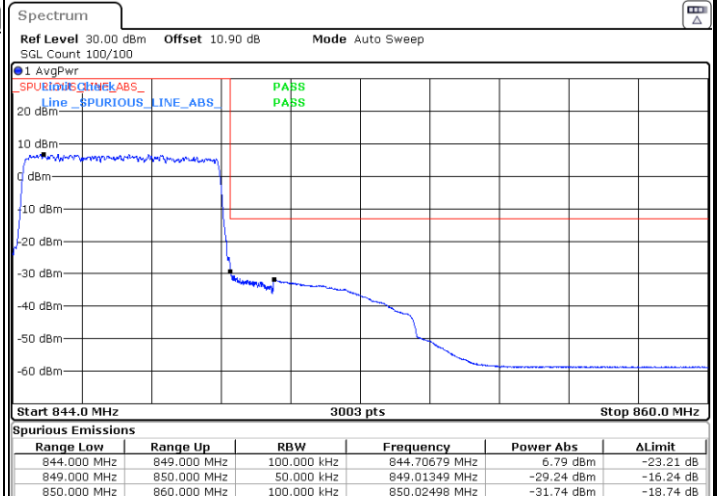
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



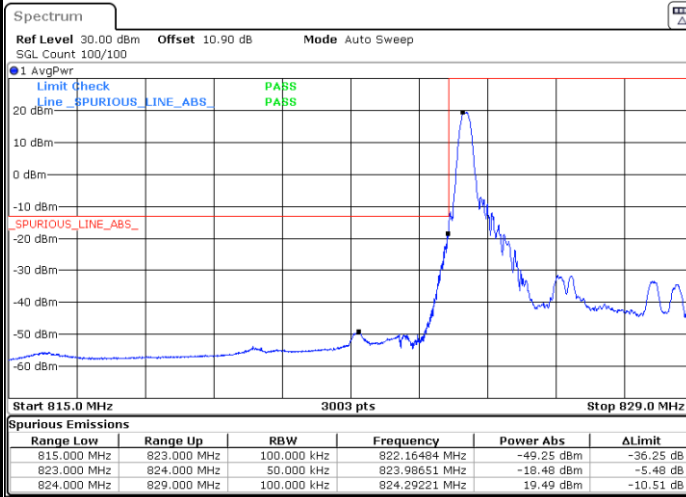
Highest Band Edge / Full RB



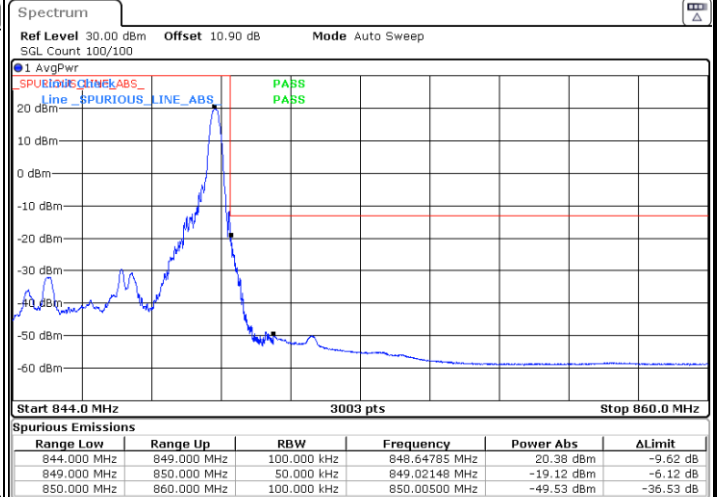


LTE Band 5 / 5MHz / 16QAM

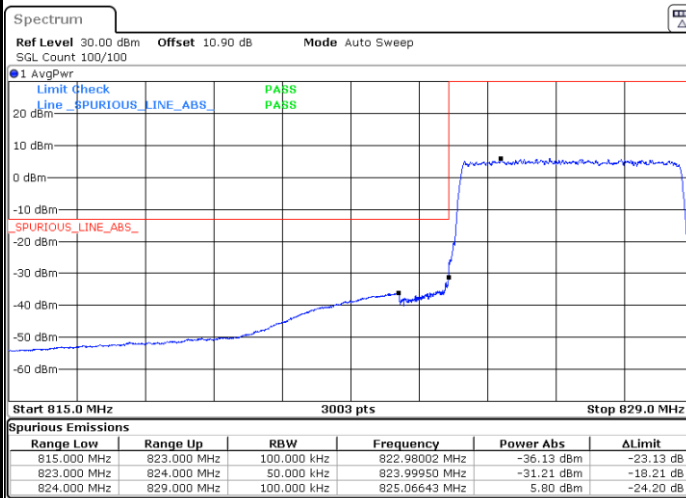
Lowest Band Edge / 1RB



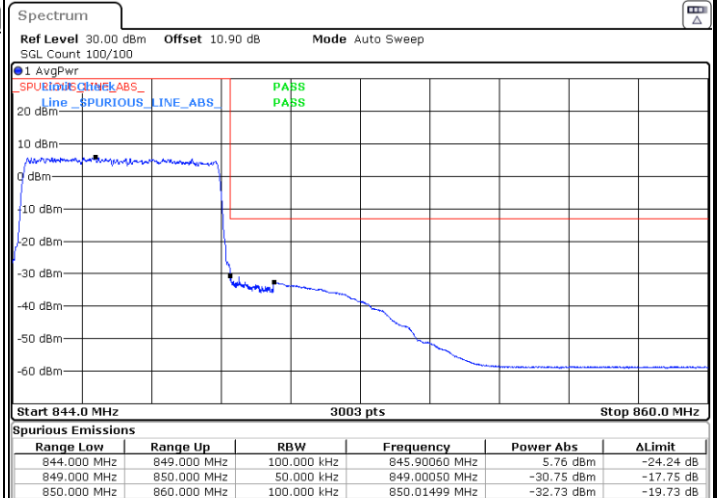
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



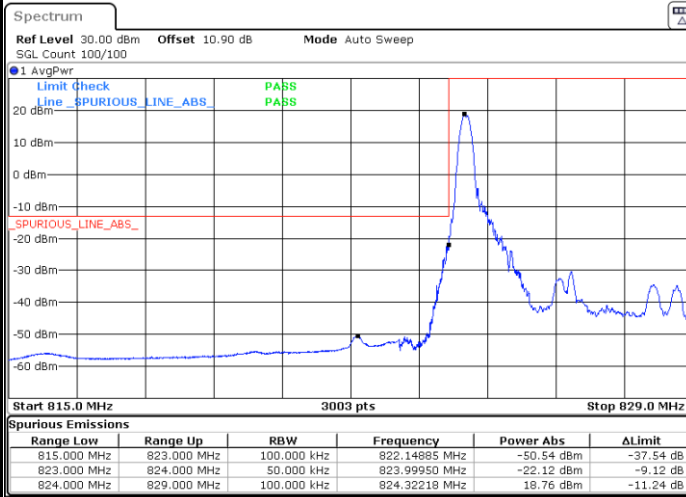
Highest Band Edge / Full RB





LTE Band 5 / 5MHz / 64QAM

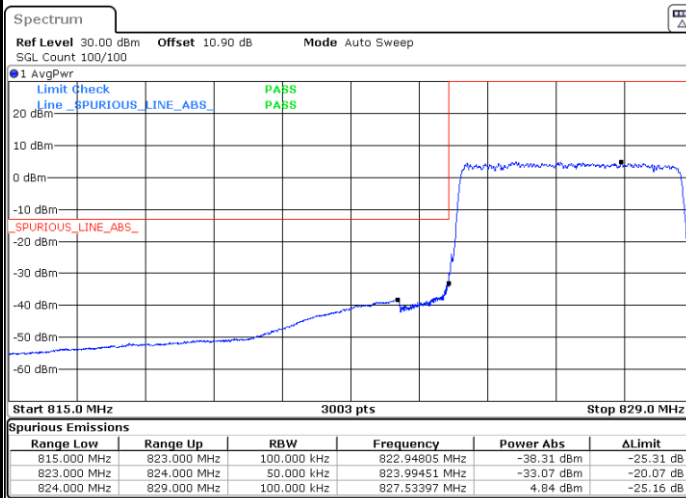
Lowest Band Edge / 1RB



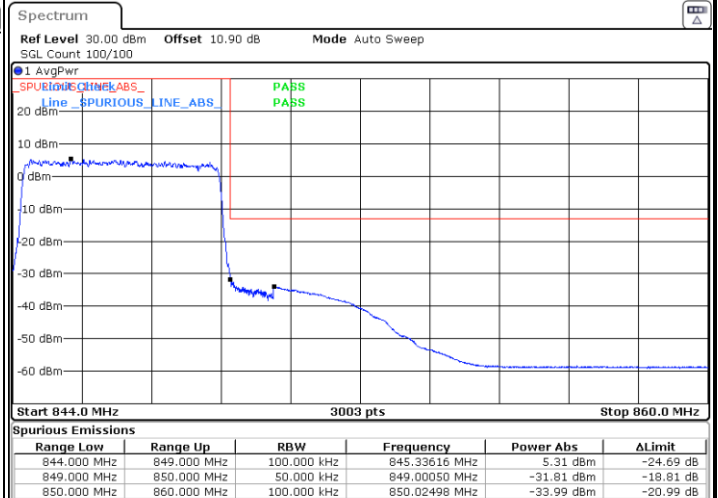
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



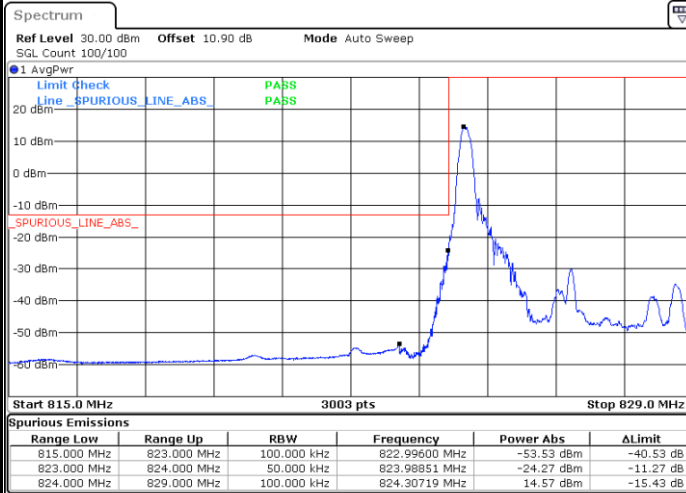
Highest Band Edge / Full RB



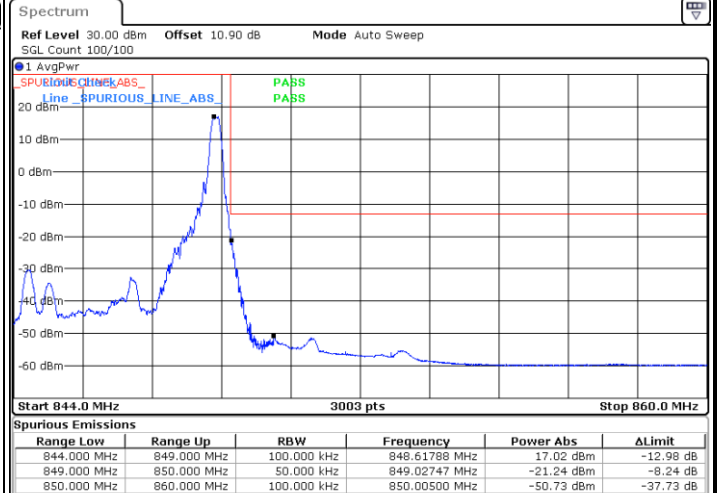


LTE Band 5 / 5MHz / 256QAM

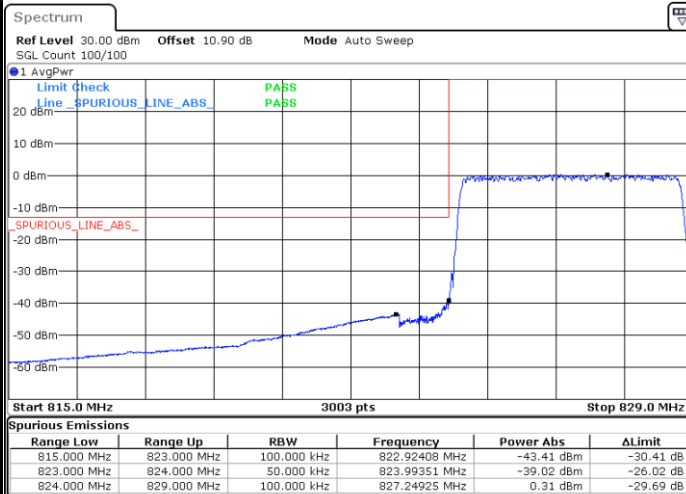
Lowest Band Edge / 1RB



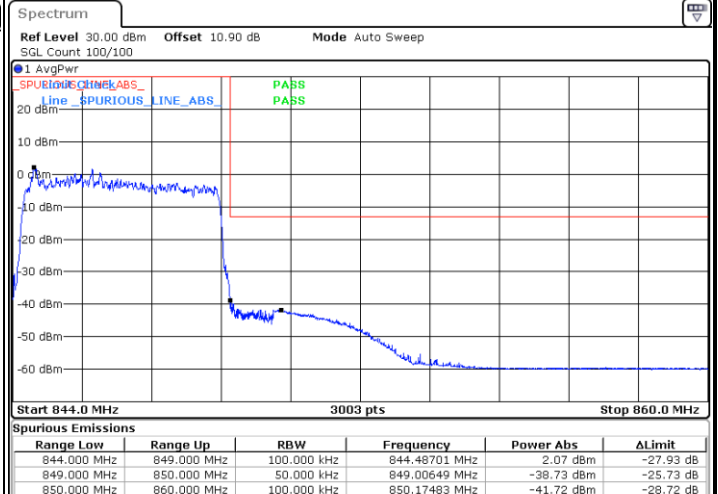
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



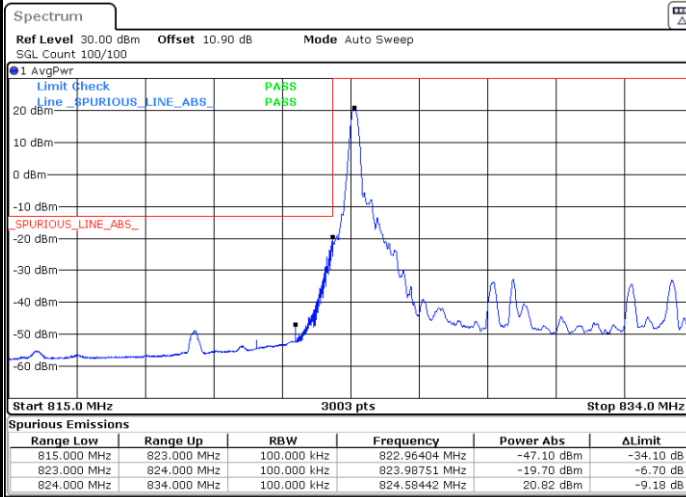
Highest Band Edge / Full RB



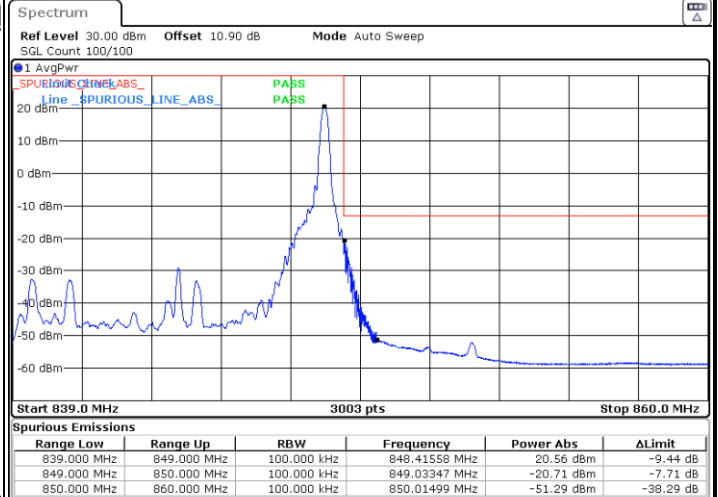


LTE Band 5 / 10MHz / QPSK

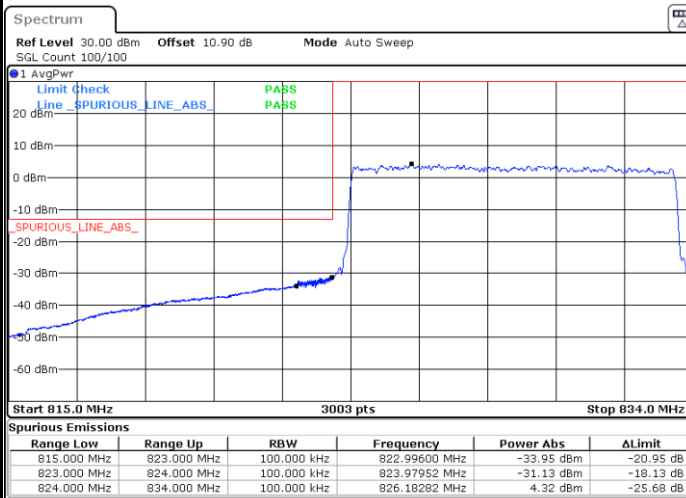
Lowest Band Edge / 1 RB



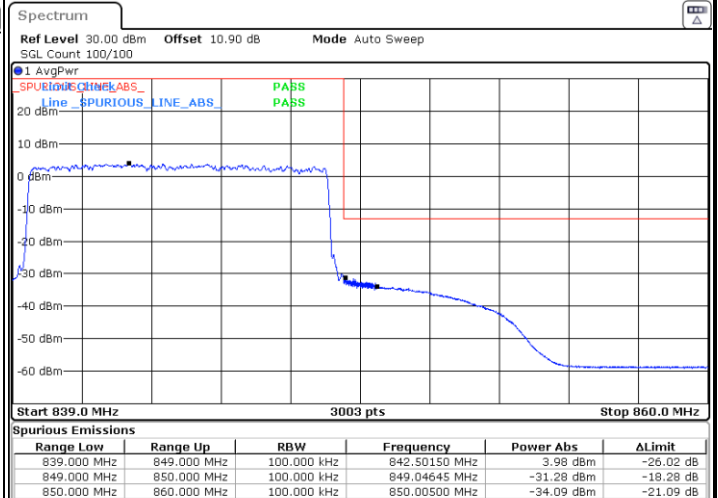
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



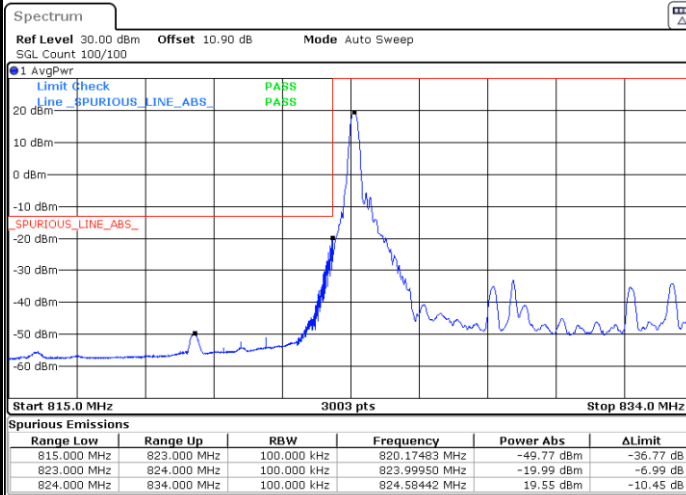
Highest Band Edge / Full RB



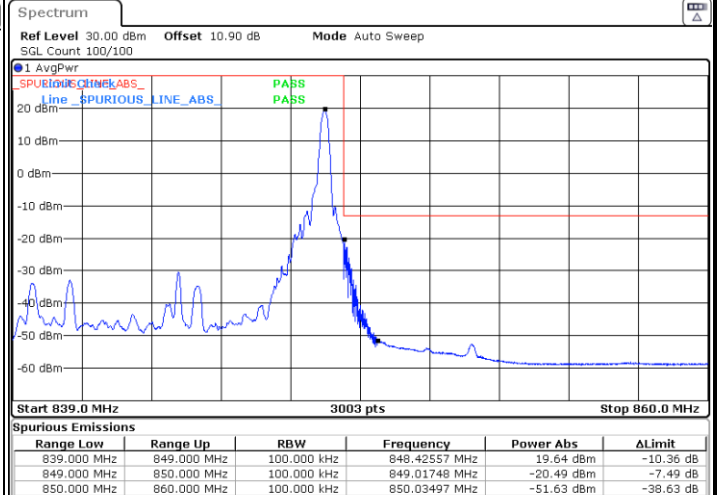


LTE Band 5 / 10MHz / 16QAM

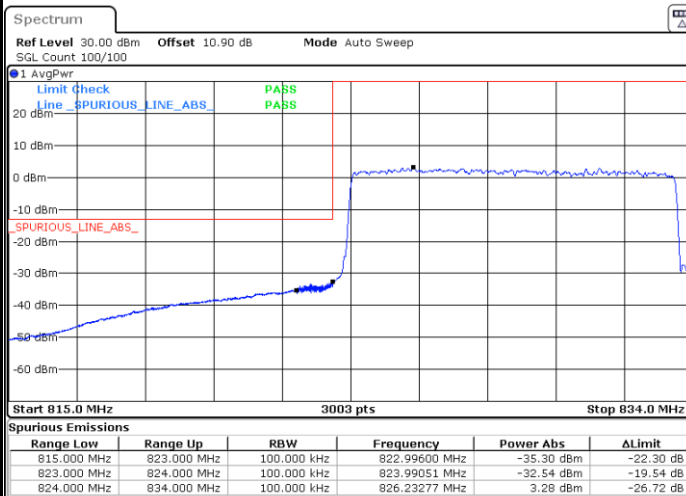
Lowest Band Edge / 1 RB



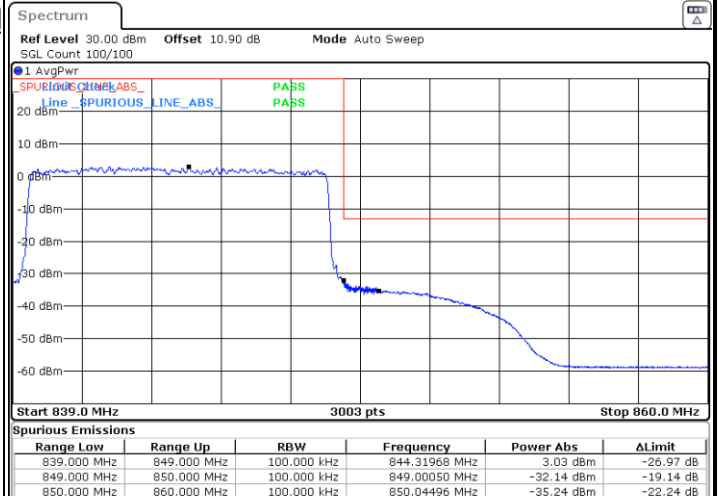
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



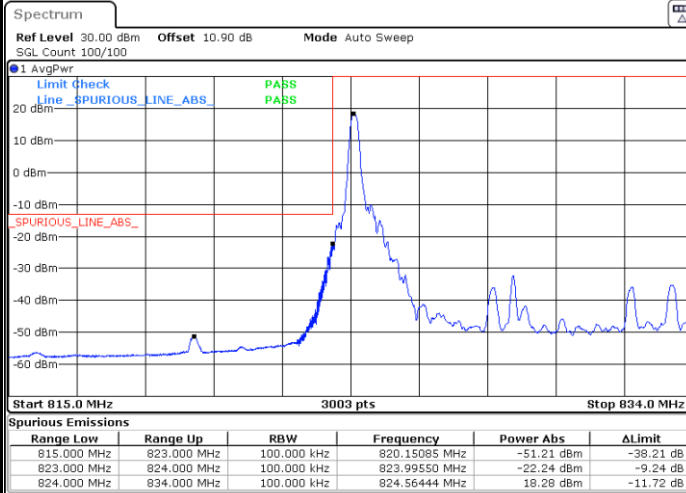
Highest Band Edge / Full RB



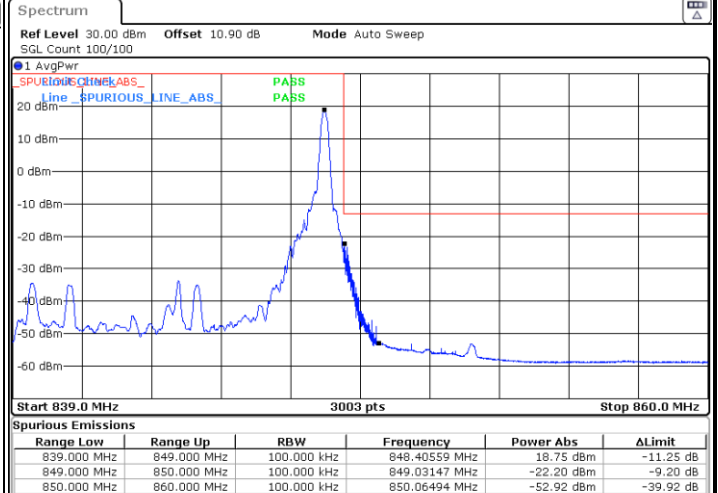


LTE Band 5 / 10MHz / 64QAM

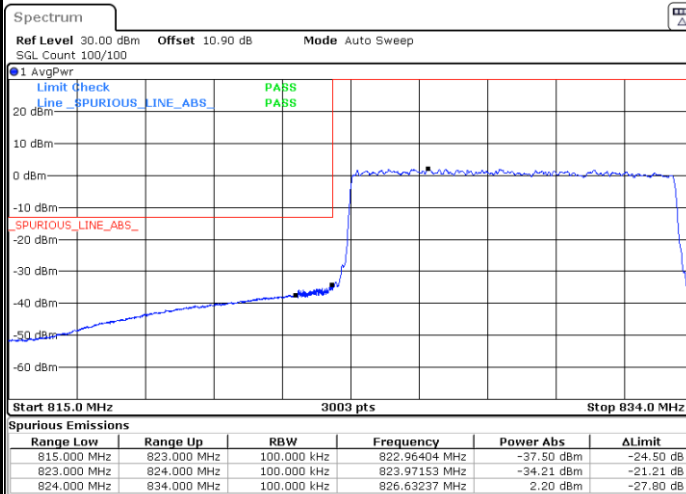
Lowest Band Edge / 1 RB



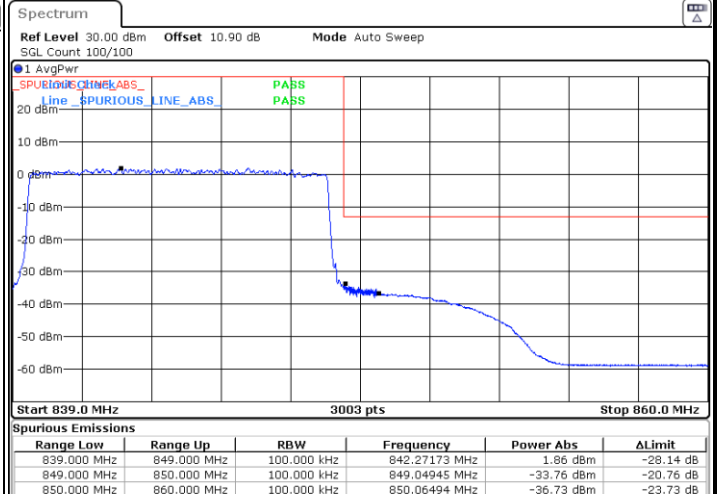
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



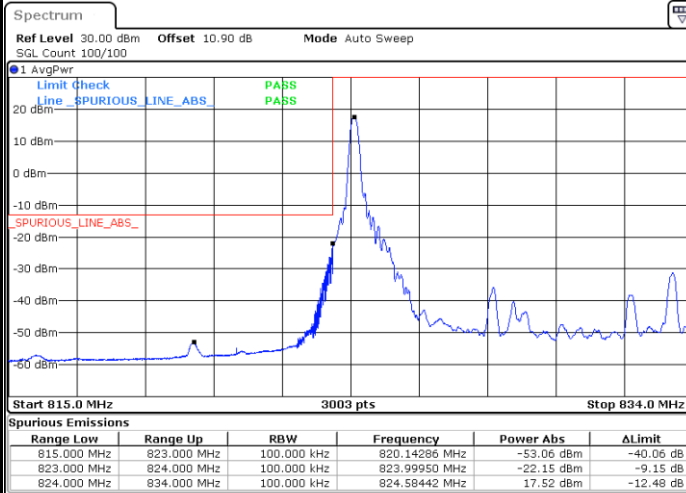
Highest Band Edge / Full RB



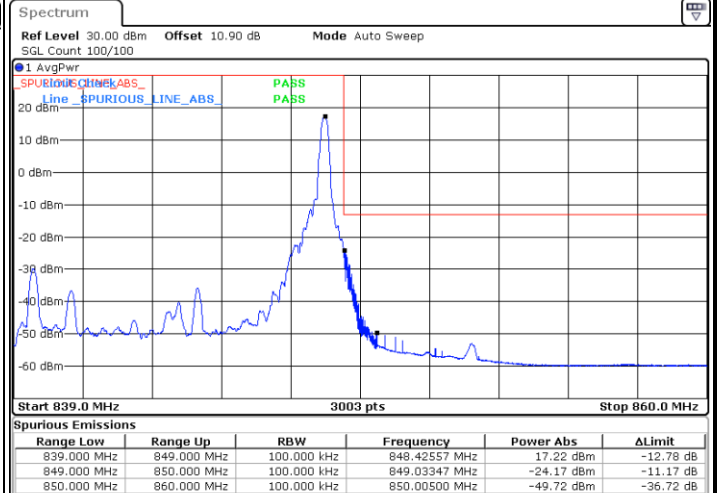


LTE Band 5 / 10MHz / 256QAM

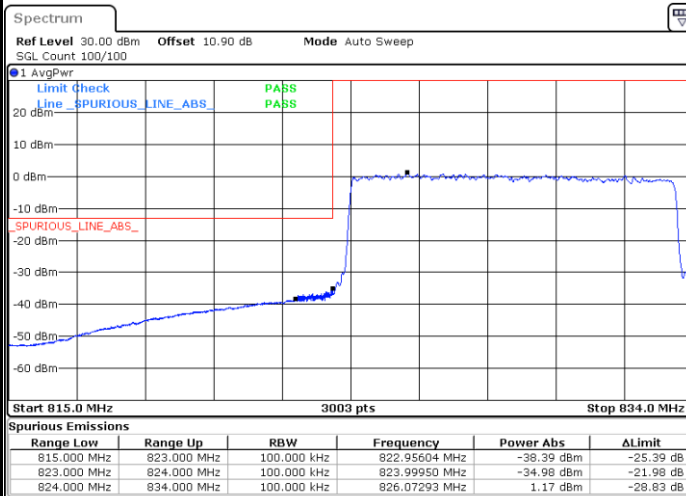
Lowest Band Edge / 1 RB



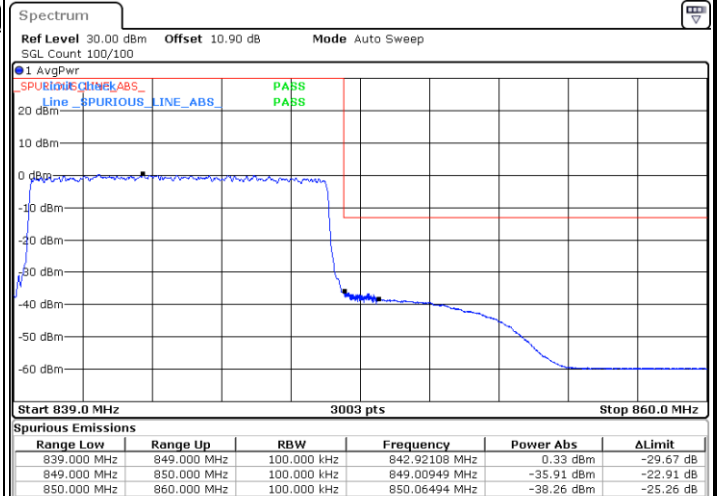
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

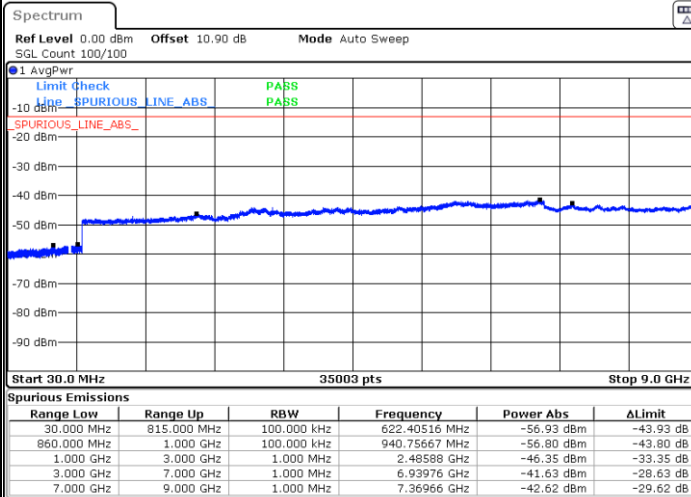




Conducted Spurious Emission

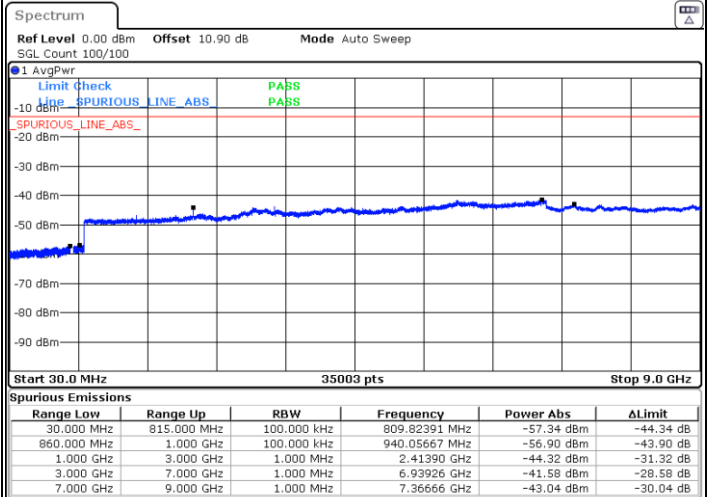
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK



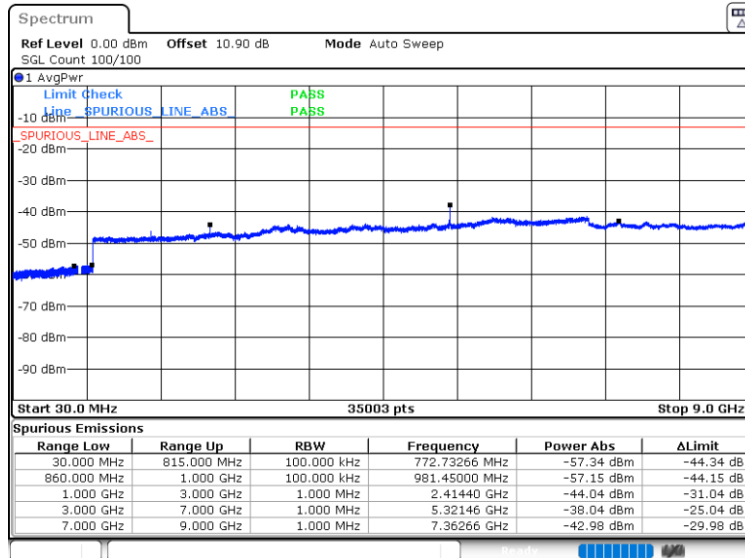
Date: 5.JAN.2022 13:23:44

Middle Channel / QPSK



Date: 5.JAN.2022 13:26:03

Highest Channel / QPSK

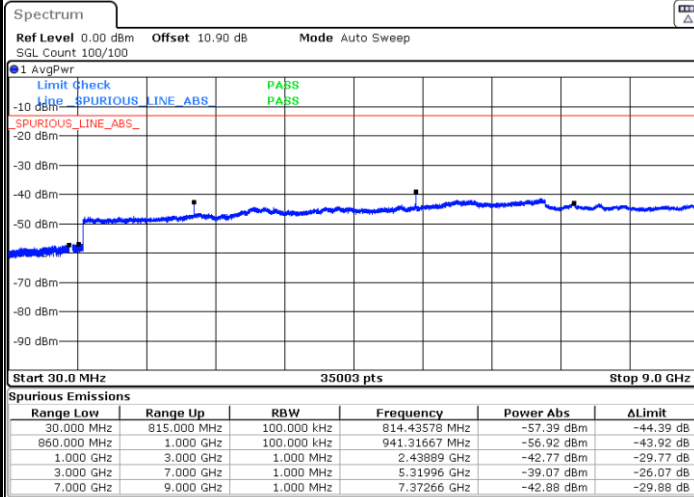


Date: 5.JAN.2022 13:34:20



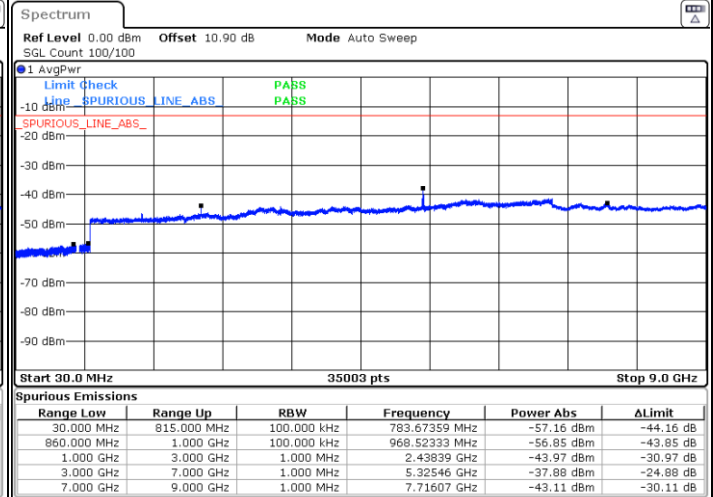
LTE Band 5 / 3MHz

Lowest Channel / QPSK



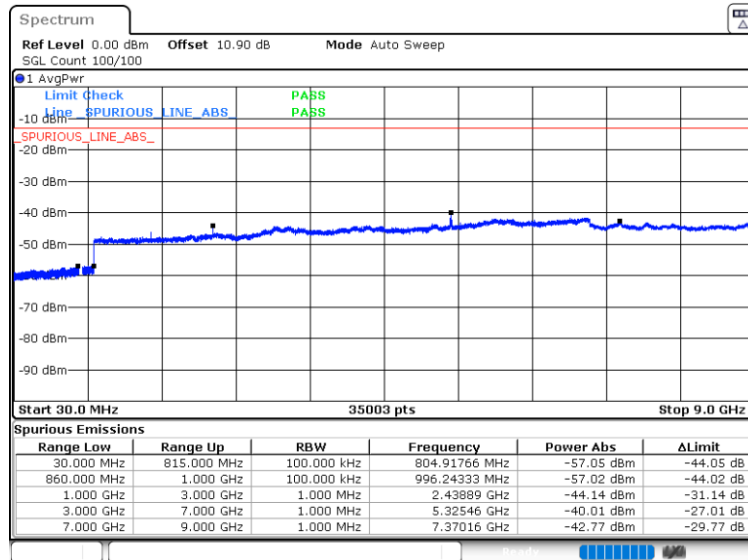
Date: 5.JAN.2022 13:50:41

Middle Channel / QPSK



Date: 5.JAN.2022 13:52:59

Highest Channel / QPSK

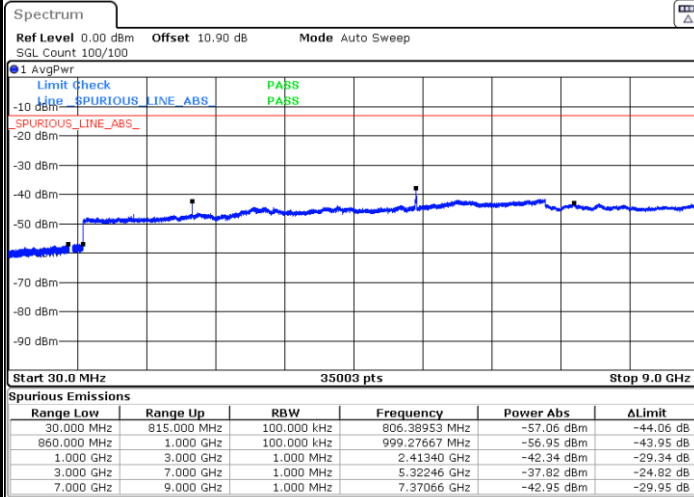


Date: 5.JAN.2022 14:01:16



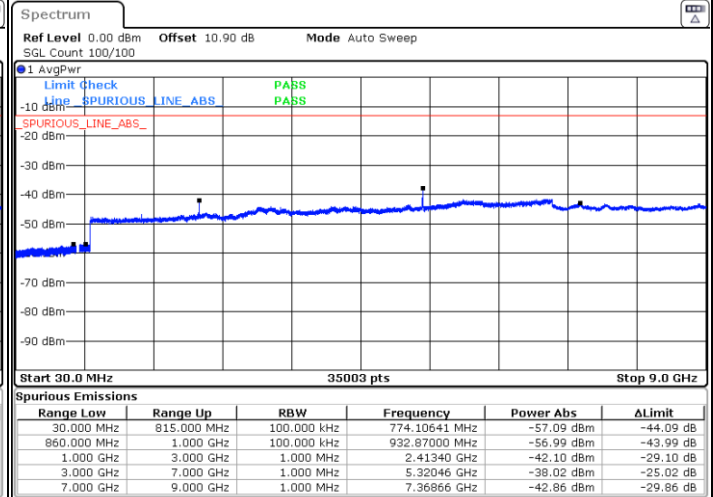
LTE Band 5 / 5MHz

Lowest Channel / QPSK



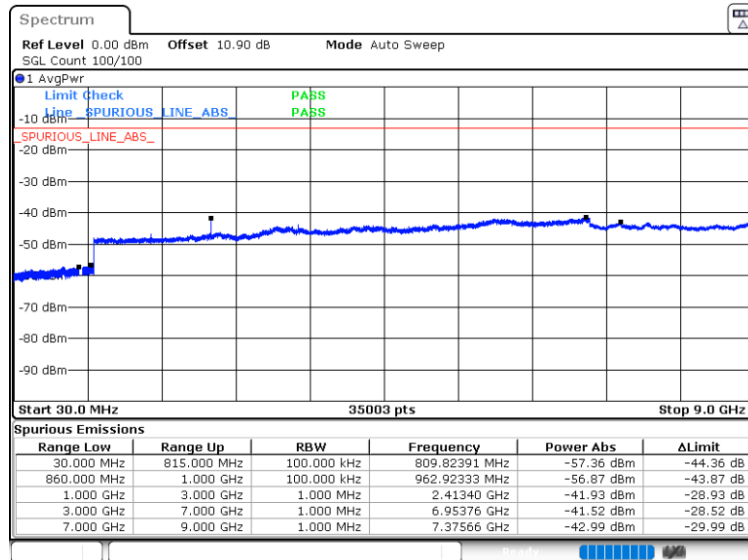
Date: 5.JAN.2022 14:22:49

Middle Channel / QPSK



Date: 5.JAN.2022 14:25:07

Highest Channel / QPSK

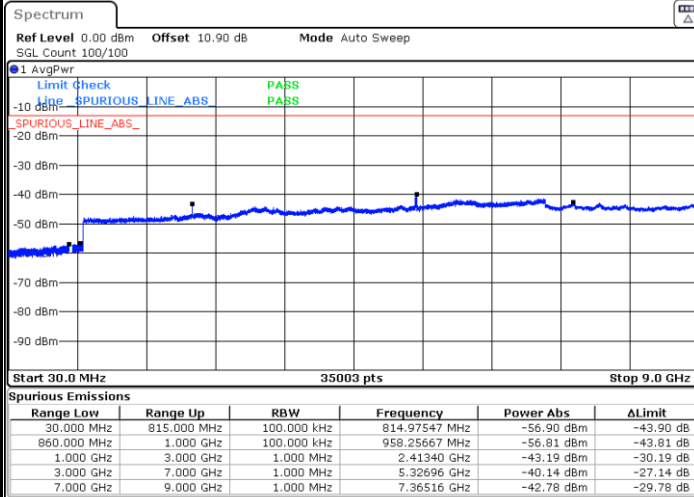


Date: 5.JAN.2022 14:33:24



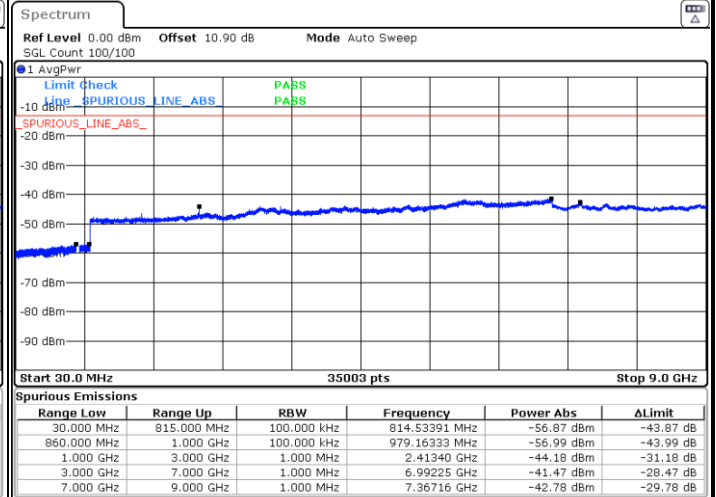
LTE Band 5 / 10MHz

Lowest Channel / QPSK



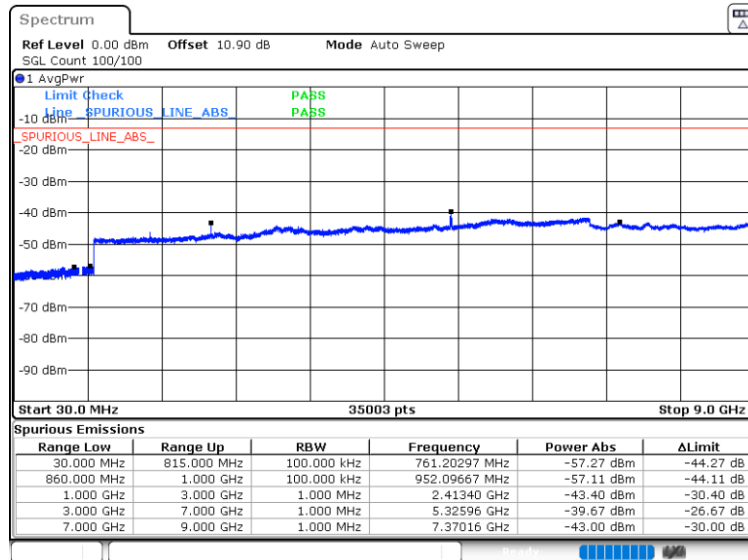
Date: 5.JAN.2022 14:49:45

Middle Channel / QPSK



Date: 5.JAN.2022 14:52:04

Highest Channel / QPSK



Date: 5.JAN.2022 15:00:21

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	0.0007	PASS
40	Normal Voltage	0.0118	
30	Normal Voltage	0.0181	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0127	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0031	
-20	Normal Voltage	0.0085	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0186	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0022	

Note:

1. Normal Voltage =115 V. ; Battery End Point (BEP) =105 V. ; Maximum Voltage =125 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 5B

26dB Bandwidth

Mode	LTE Band 5B : 26dB BW(MHz)		
	QPSK		
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	8.06	8.15	14.54
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.60	20.90	-

Mode	LTE Band 5B : 26dB BW(MHz)		
	16QAM		
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	8.06	8.18	14.48
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.54	21.02	-

Mode	LTE Band 5B : 26dB BW(MHz)		
	64QAM		
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	8.10	8.17	14.57
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.69	20.94	-

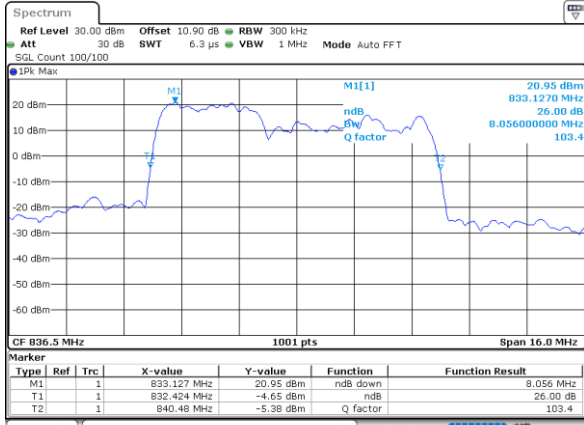
Mode	LTE Band 5B : 26dB BW(MHz)		
	256QAM		
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	8.09	8.12	14.54
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	16.03	20.98	-



LTE Band 5B

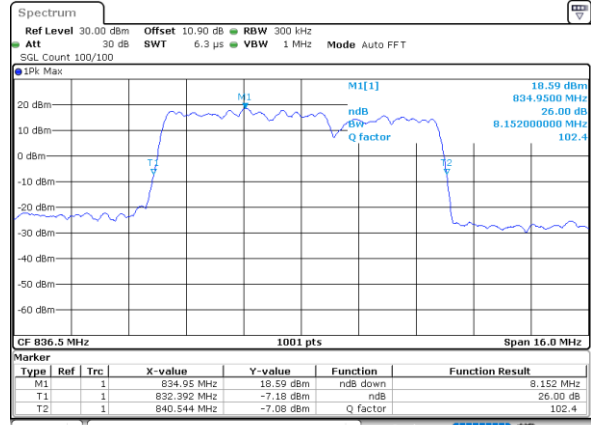
QPSK

Middle Channel / 3MHz+5MHz



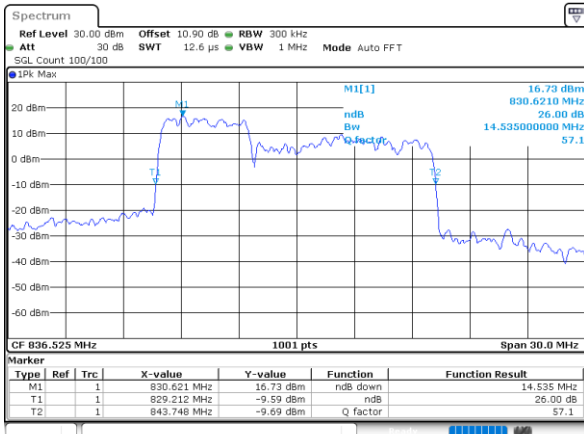
Date: 29.JAN.2022 18:17:57

Middle Channel / 5MHz+3MHz



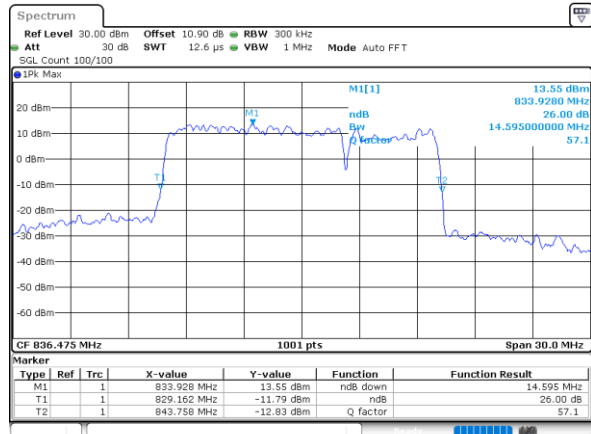
Date: 18.JAN.2022 18:31:56

Middle Channel / 5MHz+10MHz



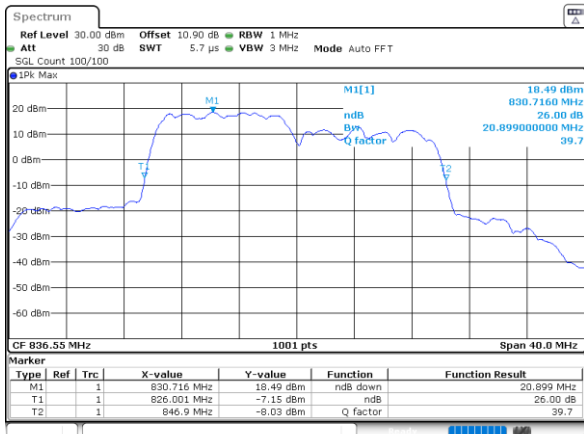
Date: 18.JAN.2022 19:01:53

Middle Channel / 10MHz+5MHz



Date: 18.JAN.2022 19:32:52

Middle Channel / 10MHz+10MHz



Date: 7.FEB.2022 19:12:15

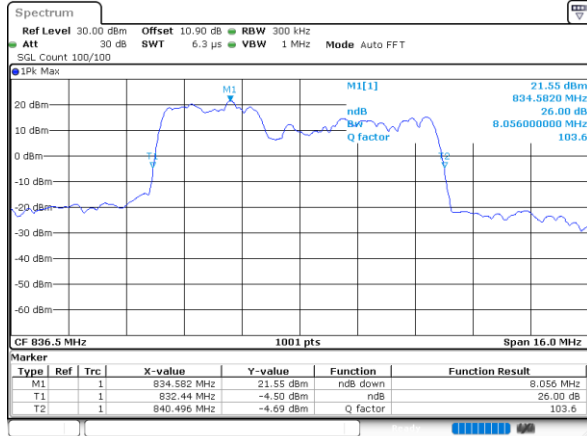
N/A



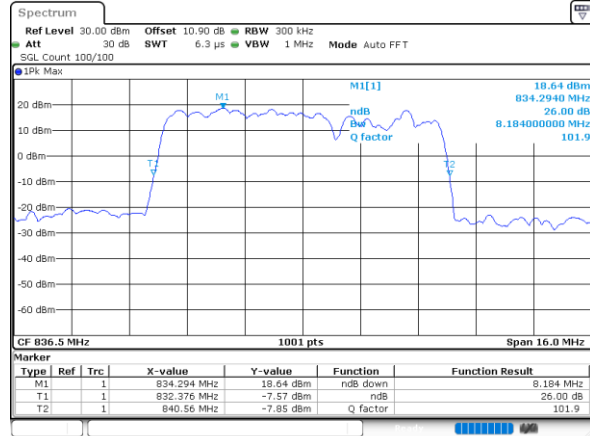
LTE Band 5B

16QAM

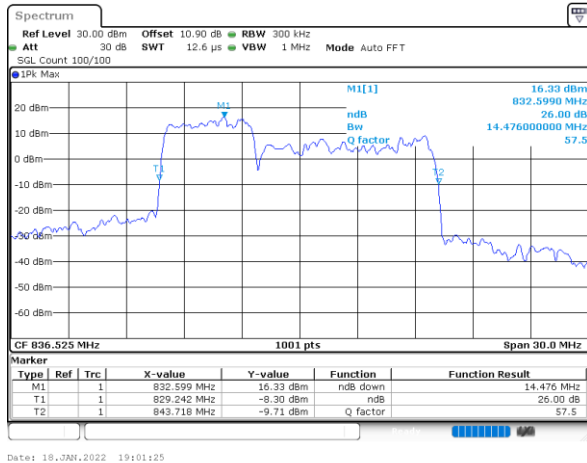
Middle Channel / 3MHz+5MHz



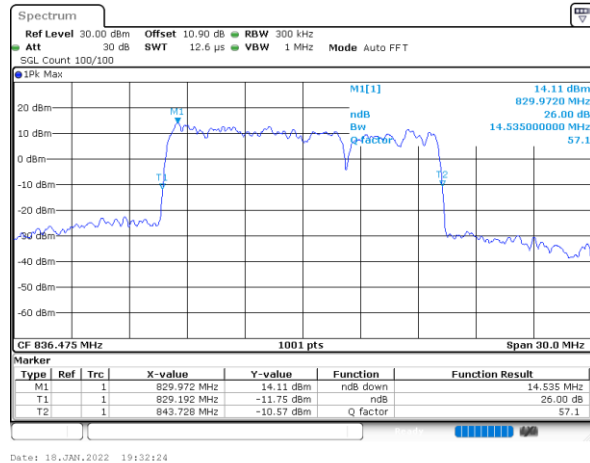
Middle Channel / 5MHz+3MHz



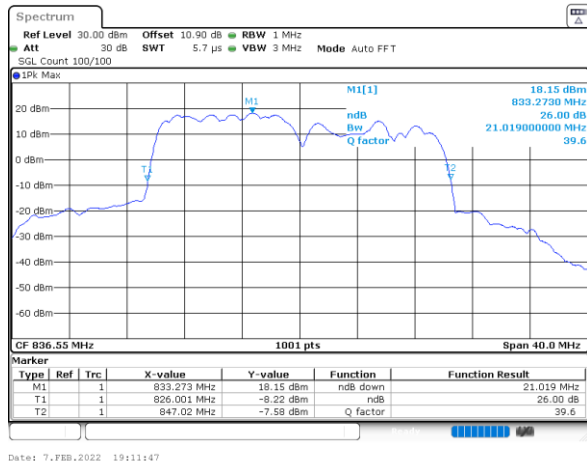
Middle Channel / 5MHz+10MHz



Middle Channel / 10MHz+5MHz



Middle Channel / 10MHz+10MHz



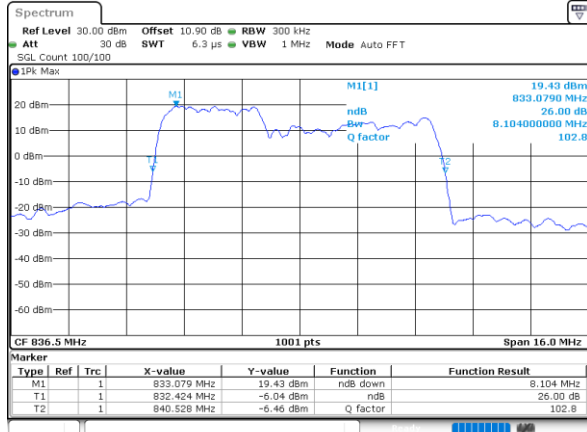
N/A



LTE Band 5B

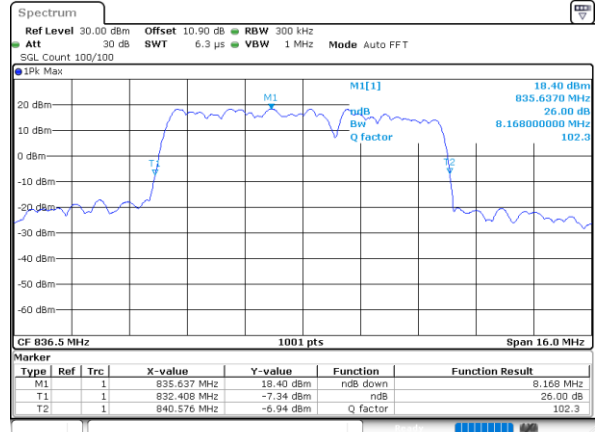
64QAM

Middle Channel / 3MHz+5MHz



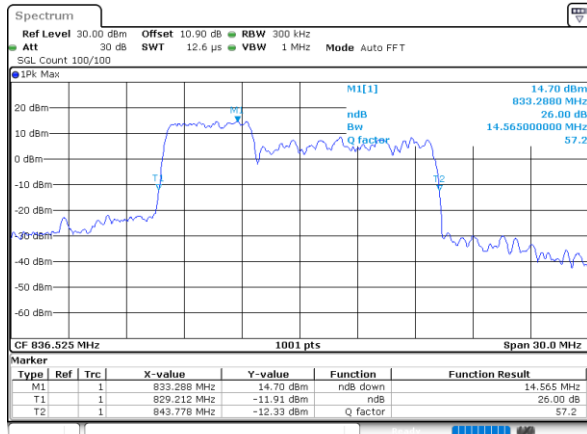
Date: 18.JAN.2022 17:57:32

Middle Channel / 5MHz+3MHz



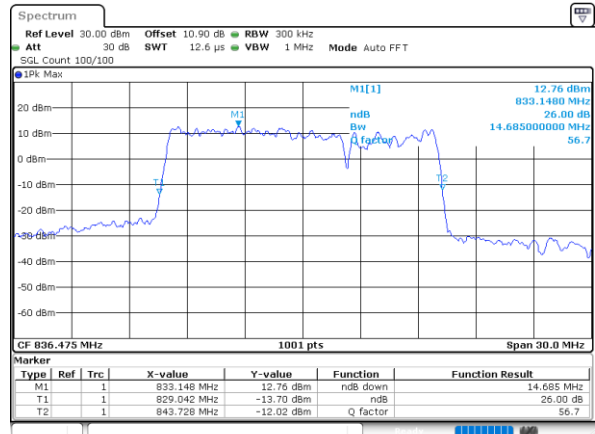
Date: 18.JAN.2022 18:31:00

Middle Channel / 5MHz+10MHz



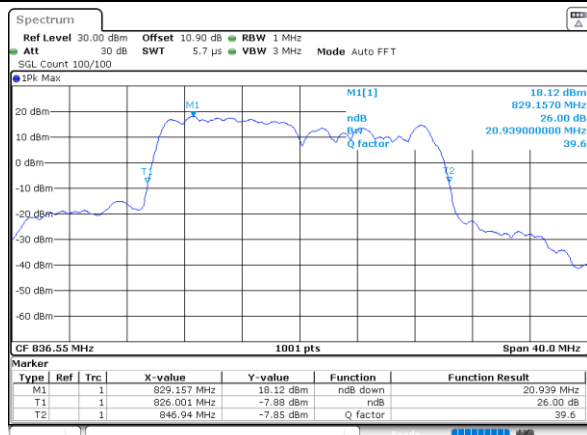
Date: 18.JAN.2022 19:00:57

Middle Channel / 10MHz+5MHz



Date: 18.JAN.2022 19:31:56

Middle Channel / 10MHz+10MHz



Date: 7.FEB.2022 19:11:19

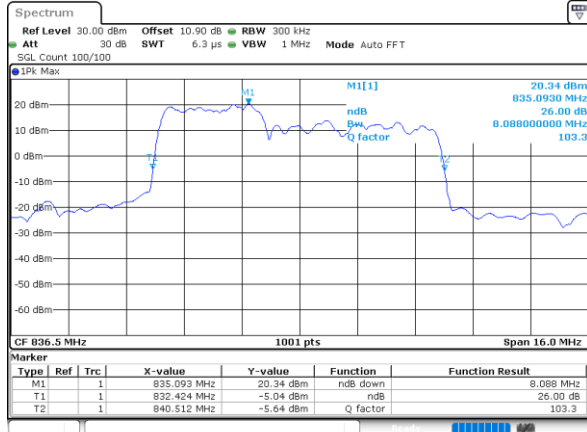
N/A



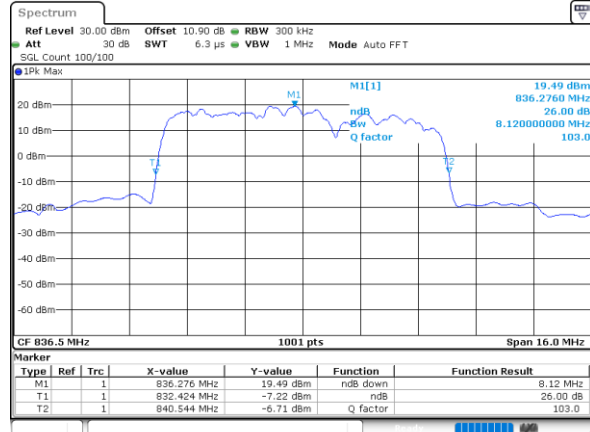
LTE Band 5B

256QAM

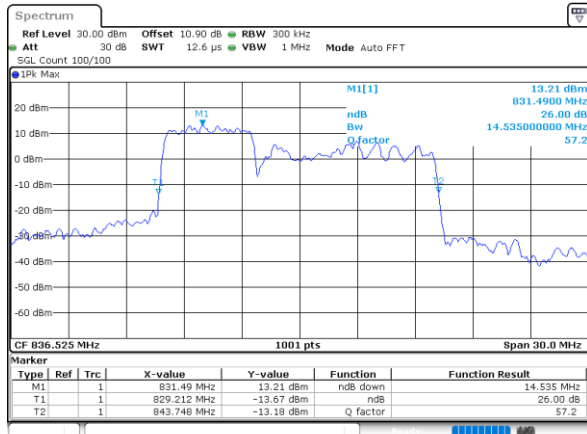
Middle Channel / 3MHz+5MHz



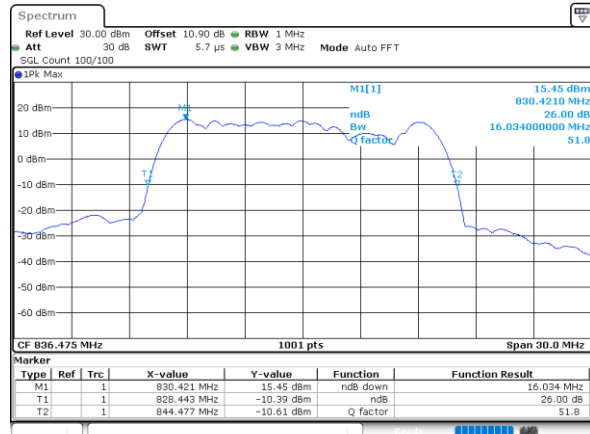
Middle Channel / 5MHz+3MHz



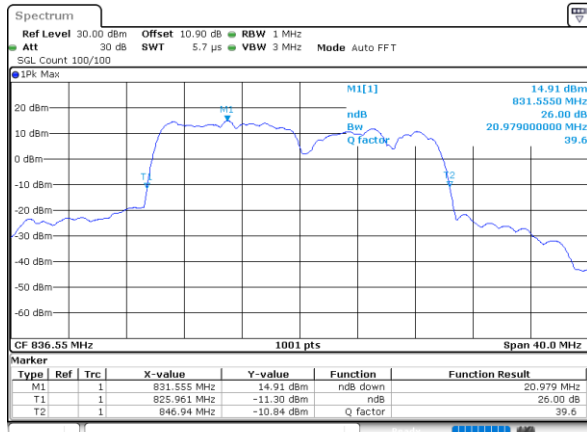
Middle Channel / 5MHz+10MHz



Middle Channel / 10MHz+5MHz



Middle Channel / 10MHz+10MHz



N/A

Occupied Bandwidth

Mode	LTE Band 5B : 99%OBW(MHz)		
	QPSK		
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.64	7.54	13.79
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.91	19.22	-

Mode	LTE Band 5B : 99%OBW(MHz)		
	16QAM		
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.53	7.61	13.94
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.91	19.30	-

Mode	LTE Band 5B : 99%OBW(MHz)		
	64QAM		
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.51	7.56	13.70
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.88	19.34	-

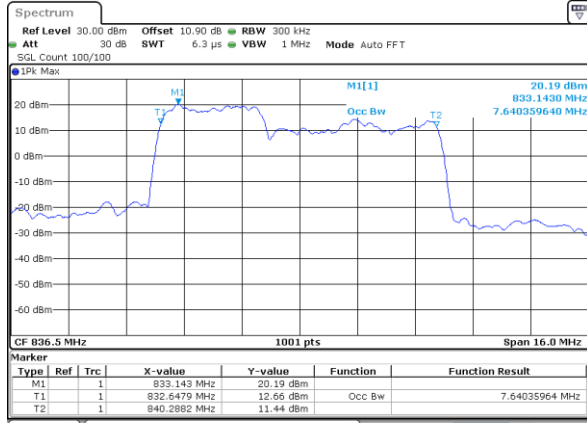
Mode	LTE Band 5B : 99%OBW(MHz)		
	254QAM		
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.48	7.51	13.76
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.45	18.98	-



LTE Band 5B

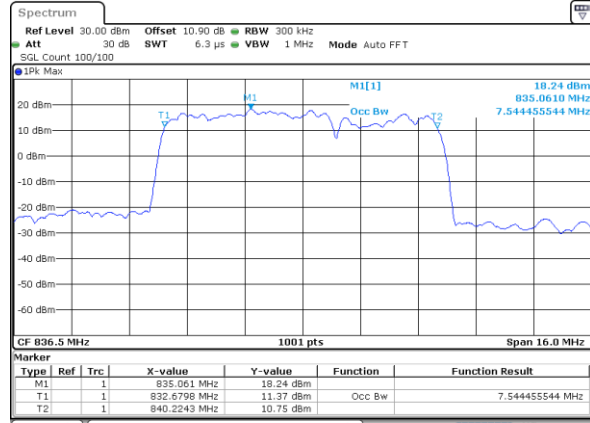
QPSK

Middle Channel / 3MHz+5MHz



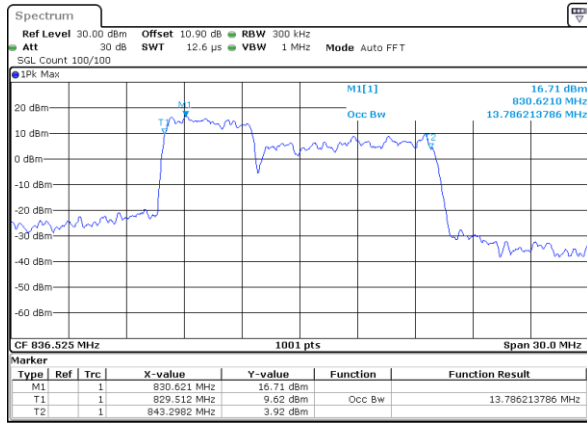
Date: 18.JAN.2022 17:56:09

Middle Channel / 5MHz+3MHz



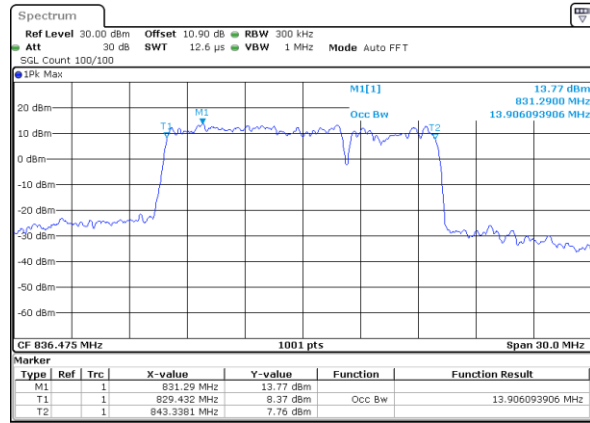
Date: 18.JAN.2022 18:29:37

Middle Channel / 5MHz+10MHz



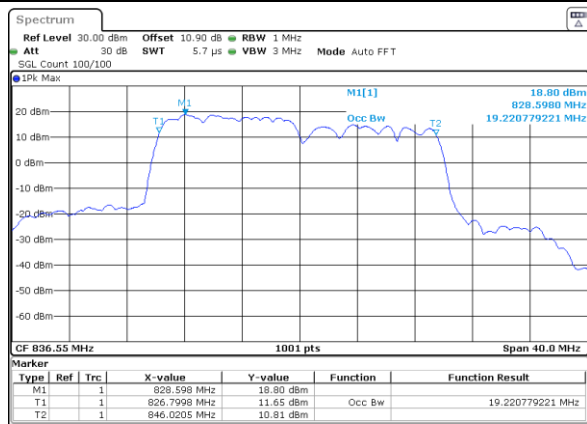
Date: 18.JAN.2022 18:59:34

Middle Channel / 10MHz+5MHz



Date: 18.JAN.2022 19:30:33

Middle Channel / 10MHz+10MHz



Date: 7.FEB.2022 19:09:56

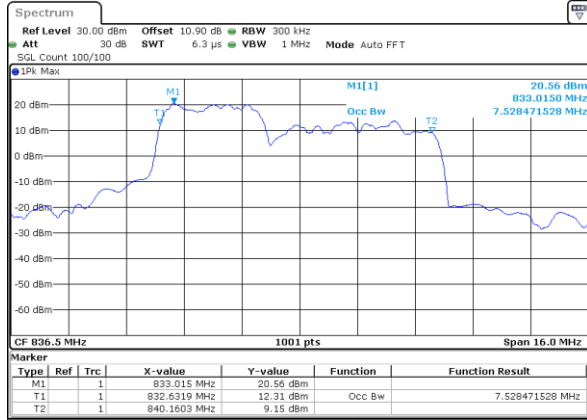
N/A



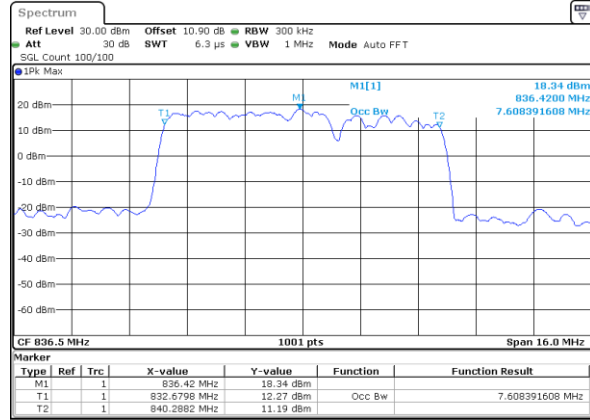
LTE Band 5B

16QAM

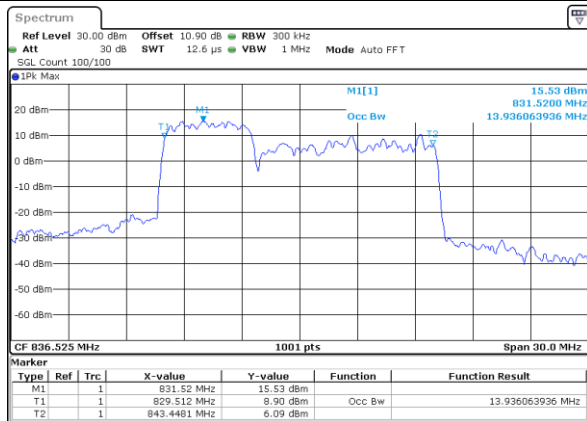
Middle Channel / 3MHz+5MHz



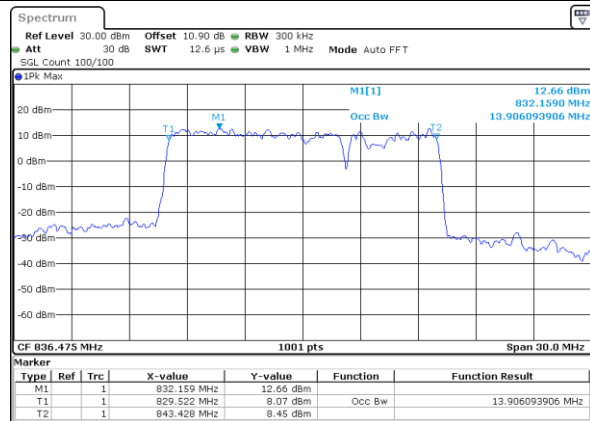
Middle Channel / 5MHz+3MHz



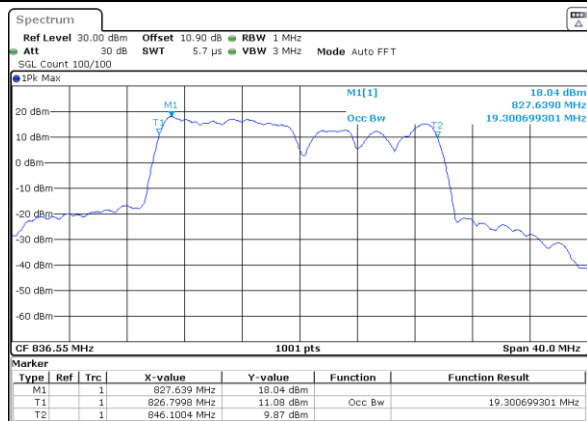
Middle Channel / 5MHz+10MHz



Middle Channel / 10MHz+5MHz



Middle Channel / 10MHz+10MHz



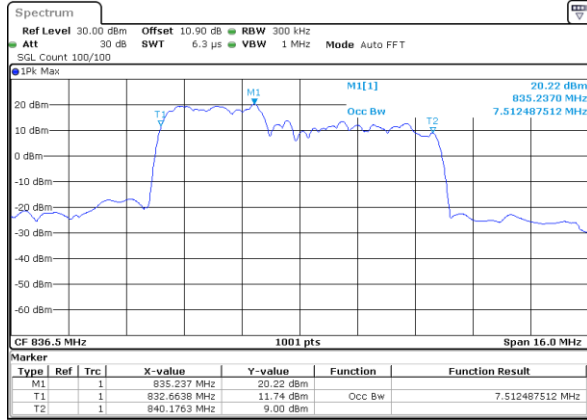
N/A



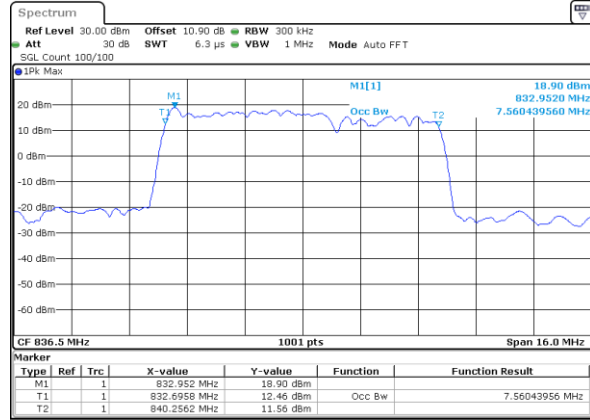
LTE Band 5B

64QAM

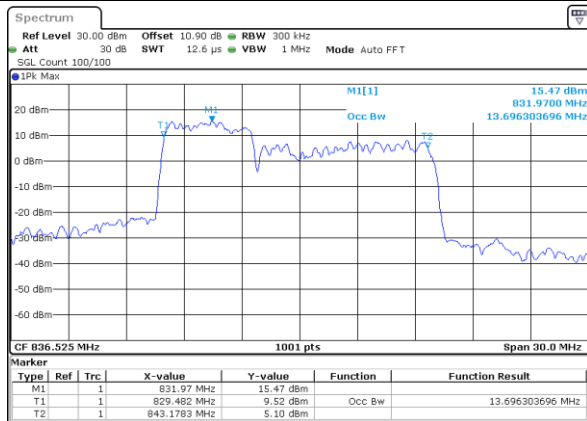
Middle Channel / 3MHz+5MHz



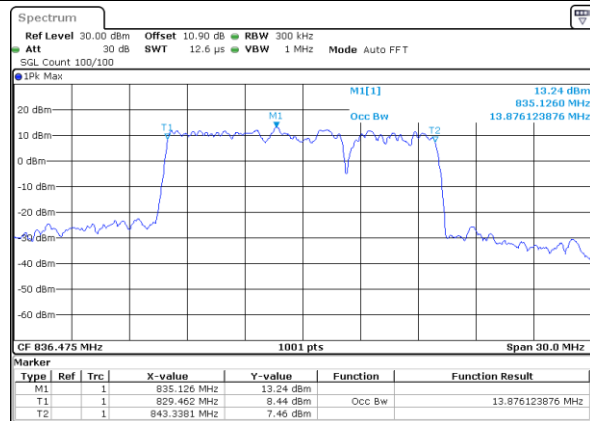
Middle Channel / 5MHz+3MHz



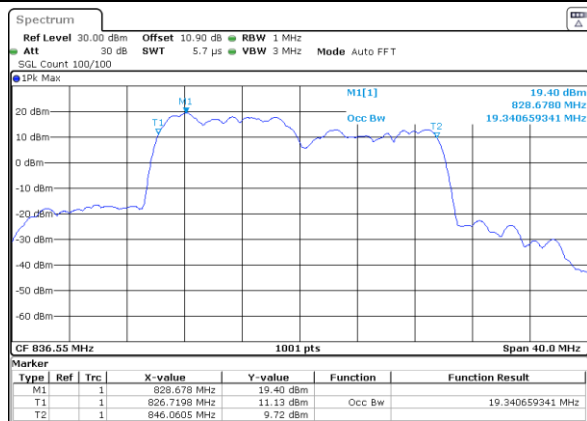
Middle Channel / 5MHz+10MHz



Middle Channel / 10MHz+5MHz



Middle Channel / 10MHz+10MHz



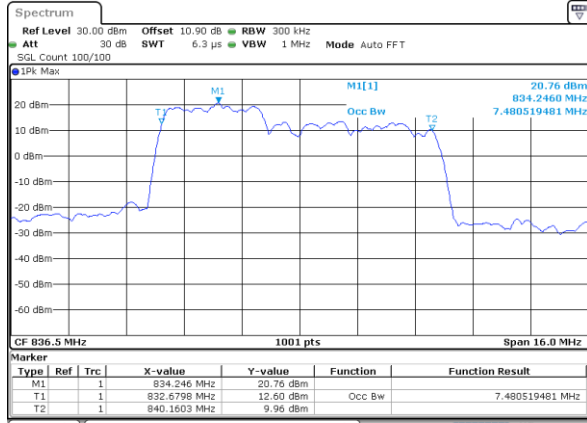
N/A



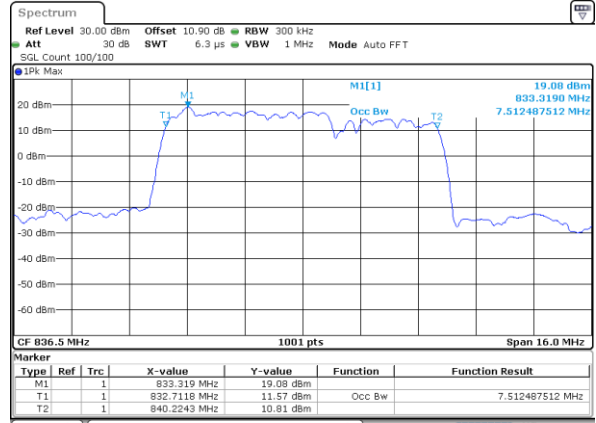
LTE Band 5B

256QAM

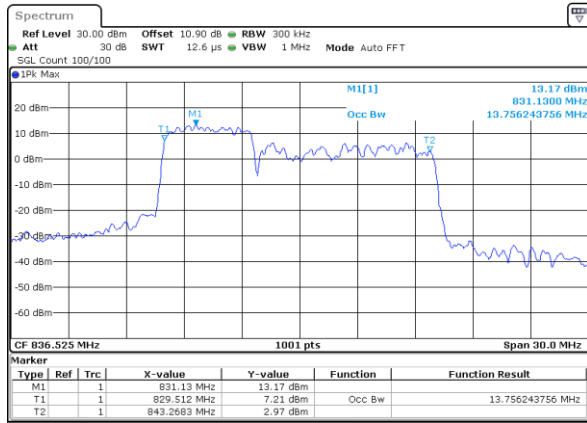
Middle Channel / 3MHz+5MHz



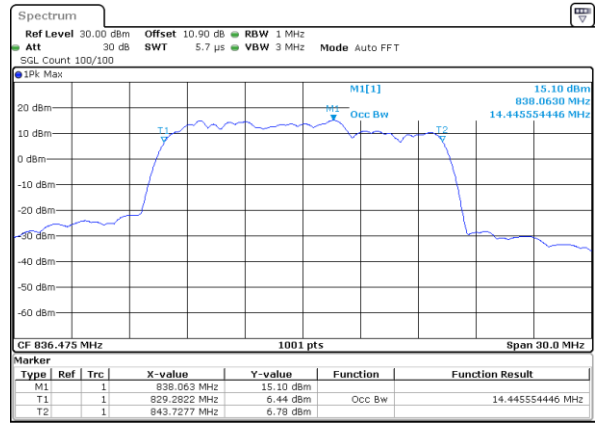
Middle Channel / 5MHz+3MHz



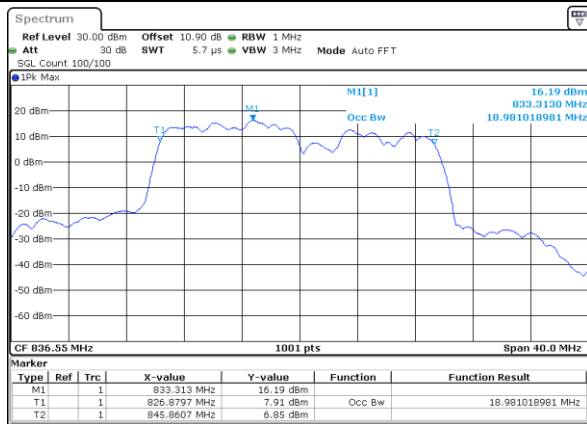
Middle Channel / 5MHz+10MHz



Middle Channel / 10MHz+5MHz



Middle Channel / 10MHz+10MHz



N/A