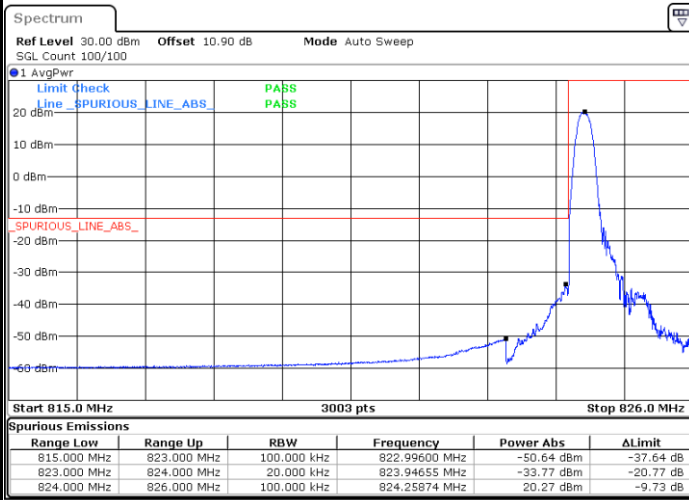




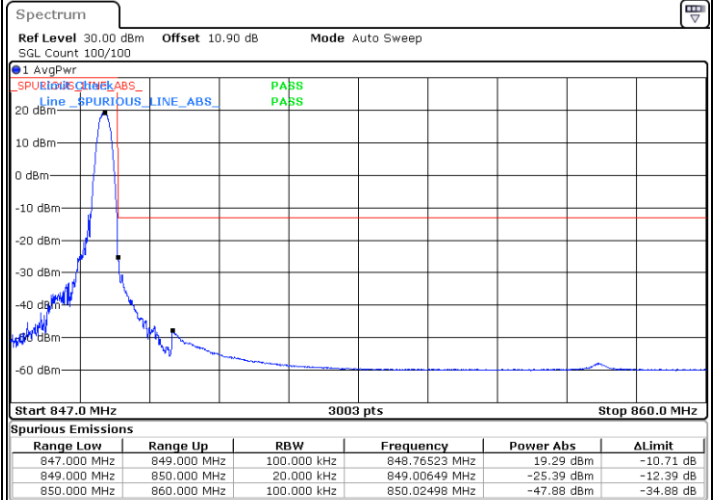
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



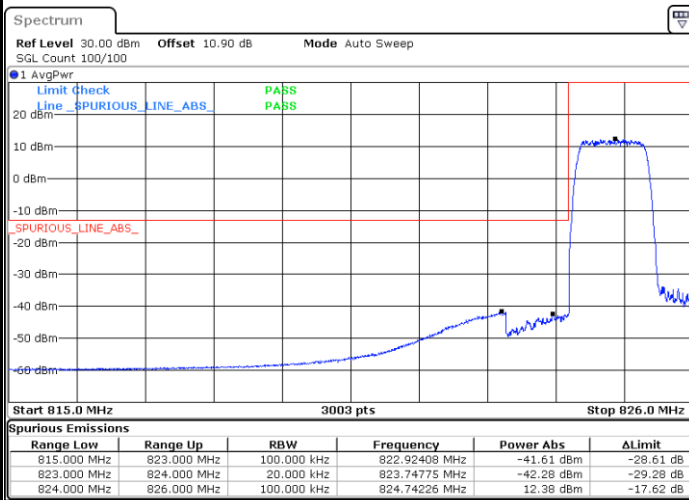
Date: 7.MAR.2021 07:26:46

Highest Band Edge / 1 RB



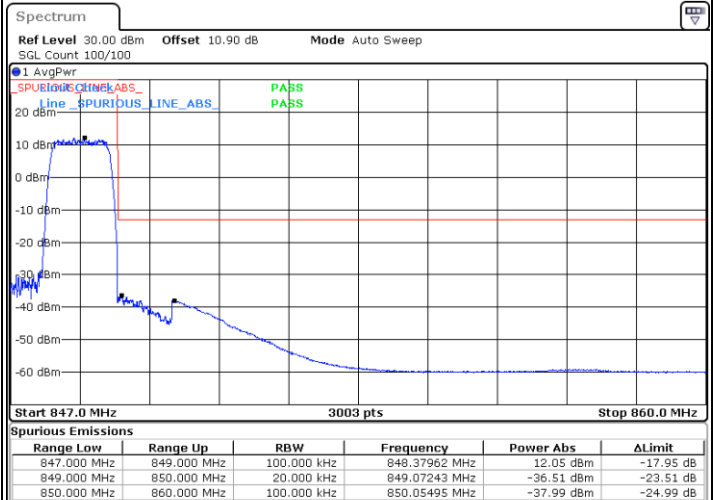
Date: 7.MAR.2021 07:38:44

Lowest Band Edge / Full RB



Date: 7.MAR.2021 07:30:11

Highest Band Edge / Full RB

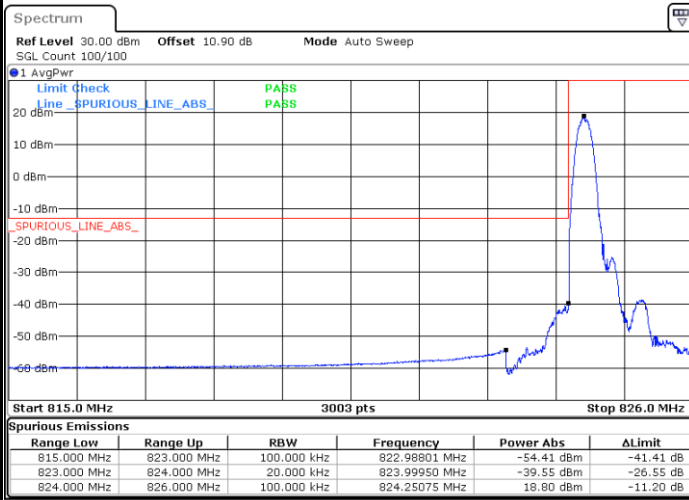


Date: 7.MAR.2021 07:35:19



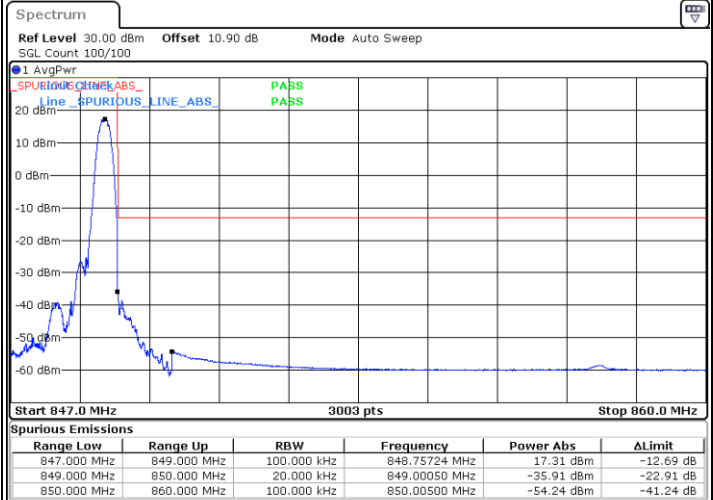
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



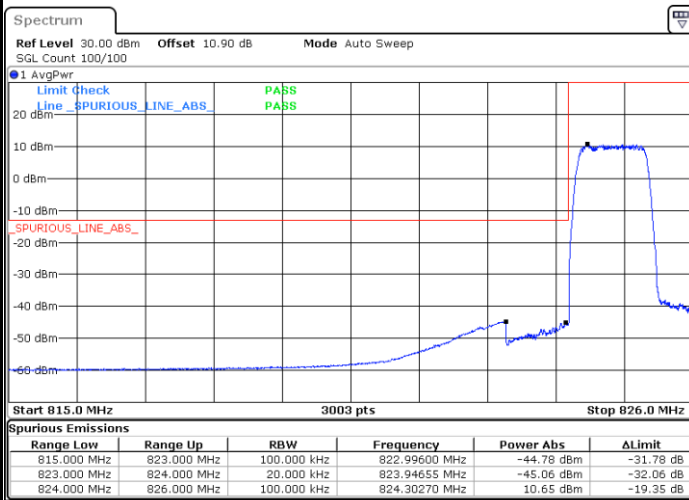
Date: 7.MAR.2021 07:40:55

Highest Band Edge / 1 RB



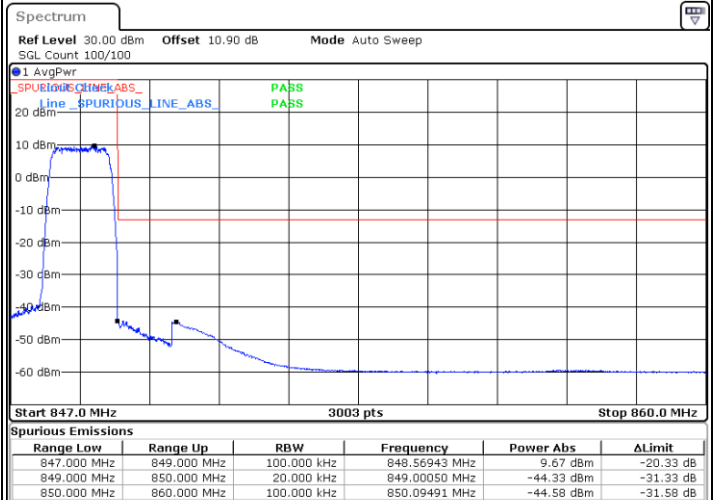
Date: 7.MAR.2021 07:46:26

Lowest Band Edge / Full RB



Date: 7.MAR.2021 07:42:37

Highest Band Edge / Full RB

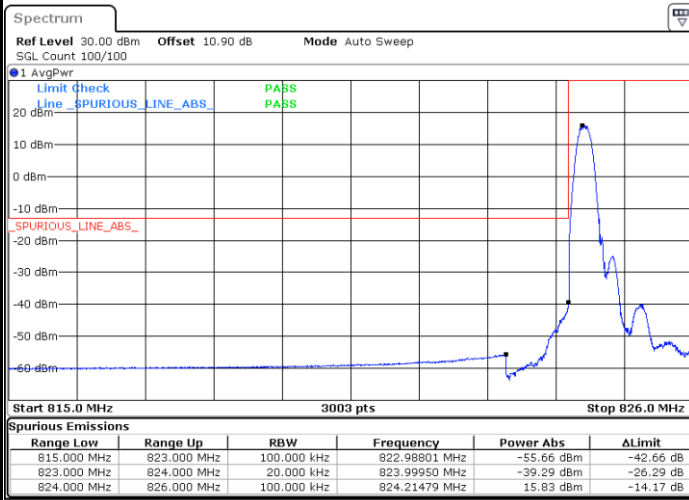


Date: 7.MAR.2021 07:44:44

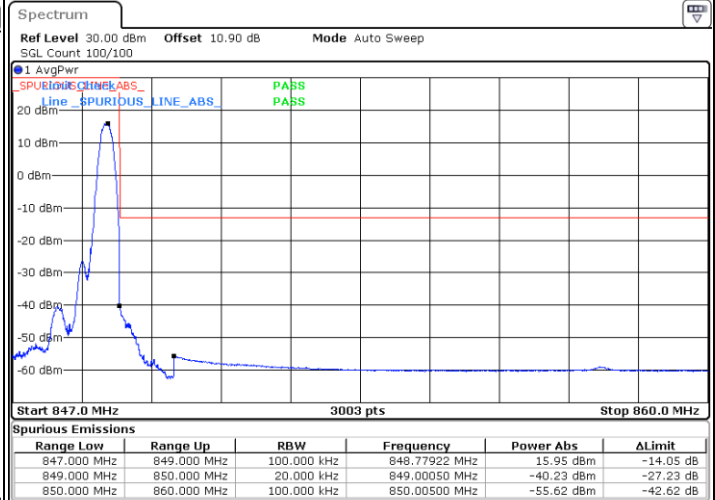


LTE Band 5 / 1.4MHz / 256QAM

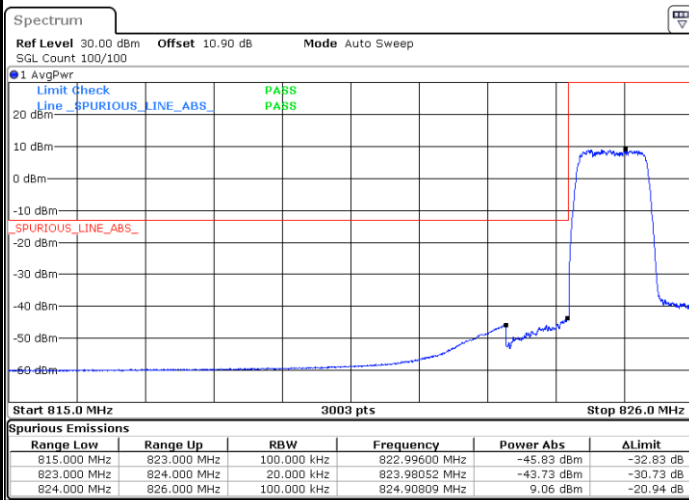
Lowest Band Edge / 1 RB



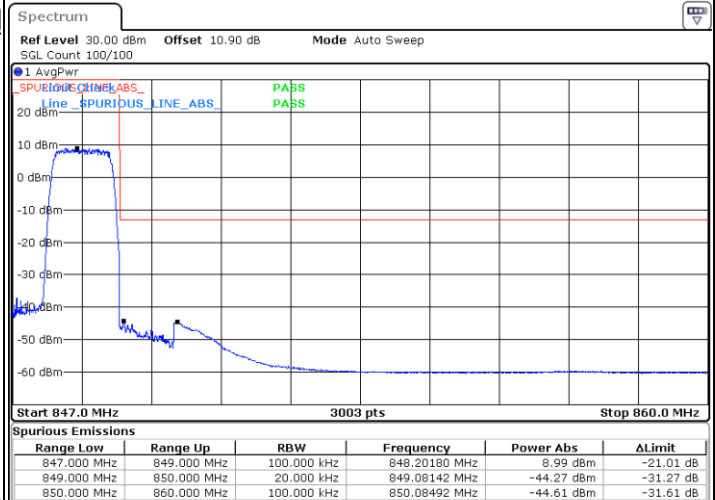
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



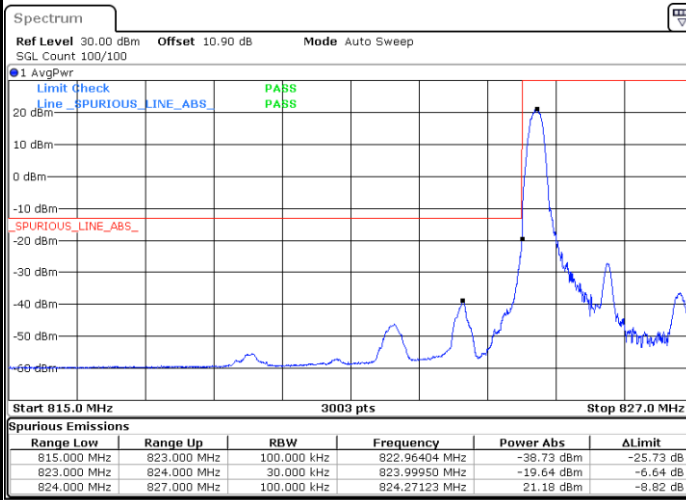
Highest Band Edge / Full RB



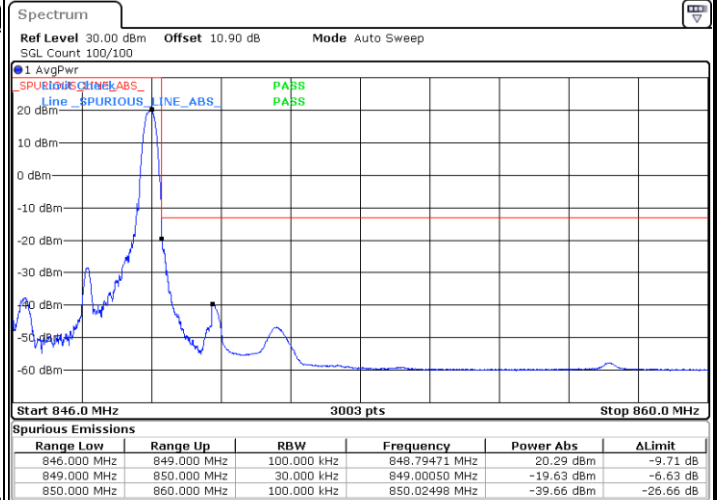


LTE Band 5 / 3MHz / QPSK

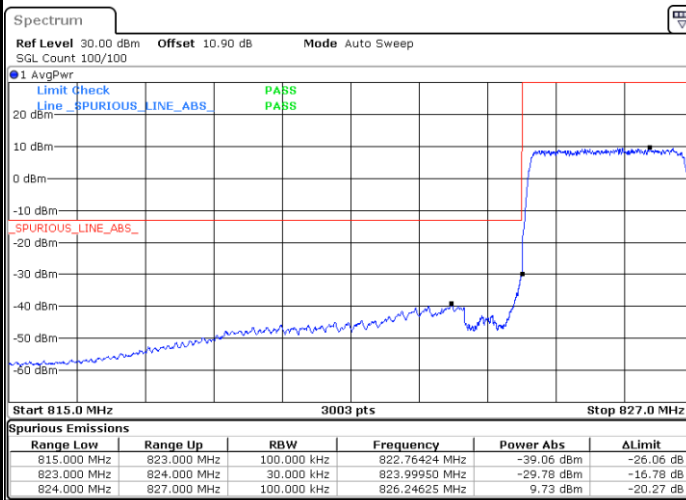
Lowest Band Edge / 1RB



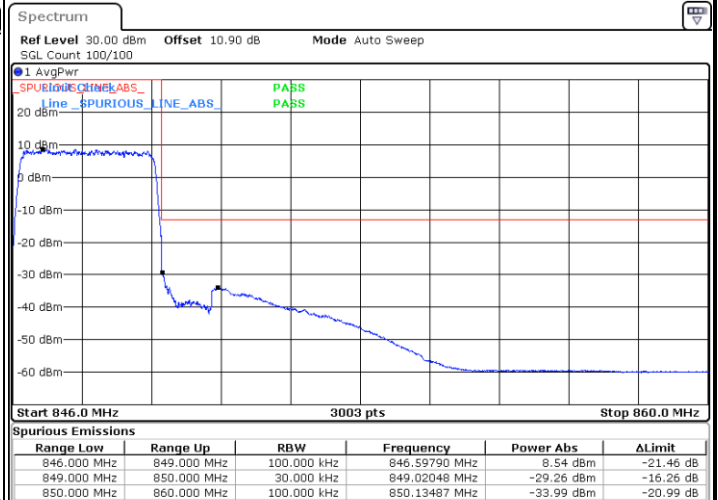
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



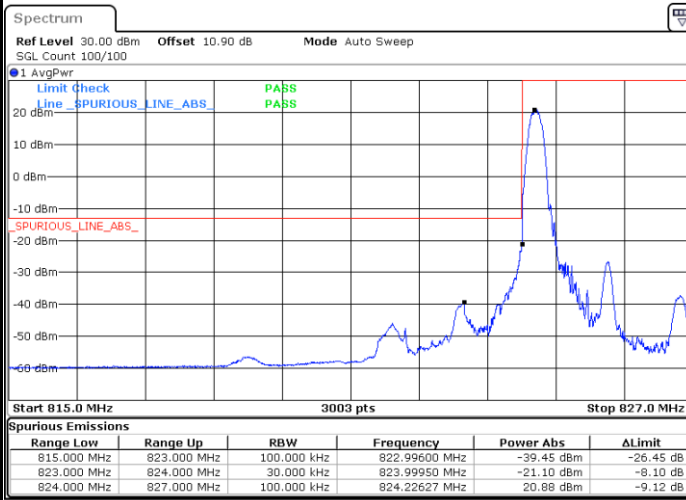
Highest Band Edge / Full RB





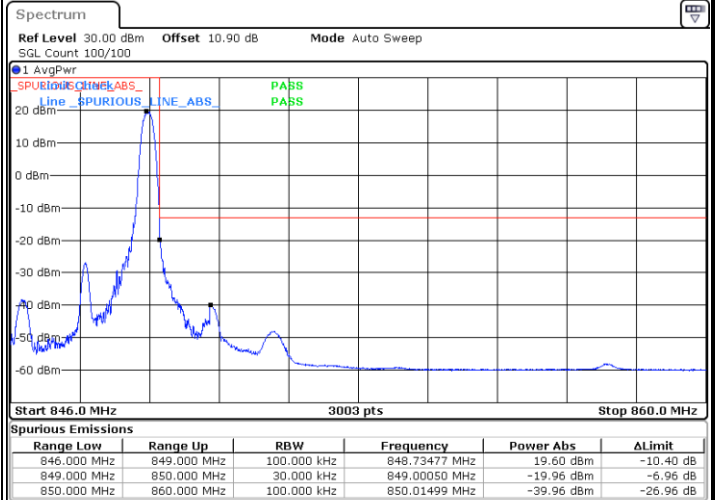
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



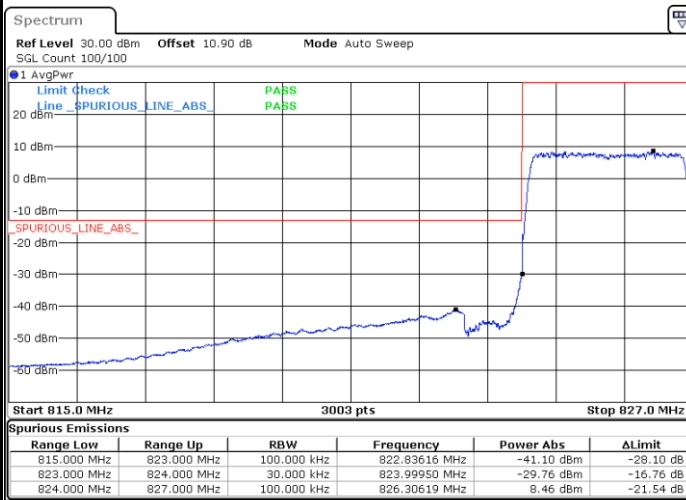
Date: 7.MAR.2021 08:59:45

Highest Band Edge / 1 RB



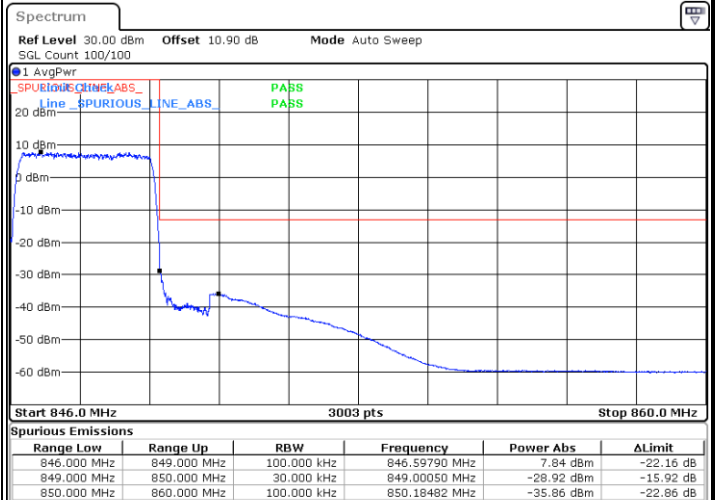
Date: 7.MAR.2021 09:08:18

Lowest Band Edge / Full RB



Date: 7.MAR.2021 09:03:11

Highest Band Edge / Full RB

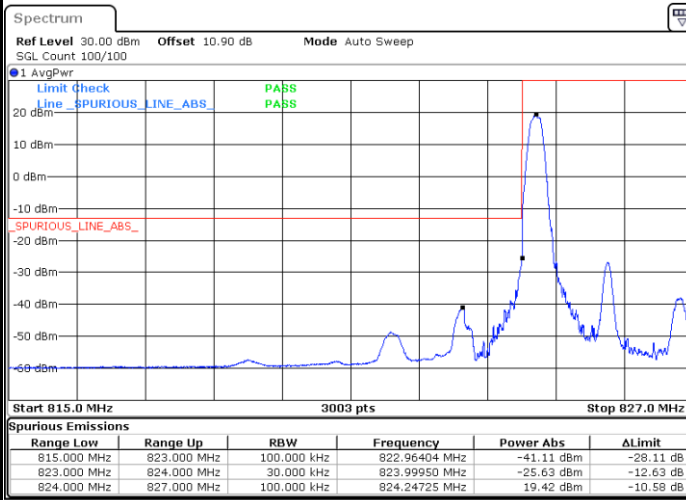


Date: 7.MAR.2021 09:11:43



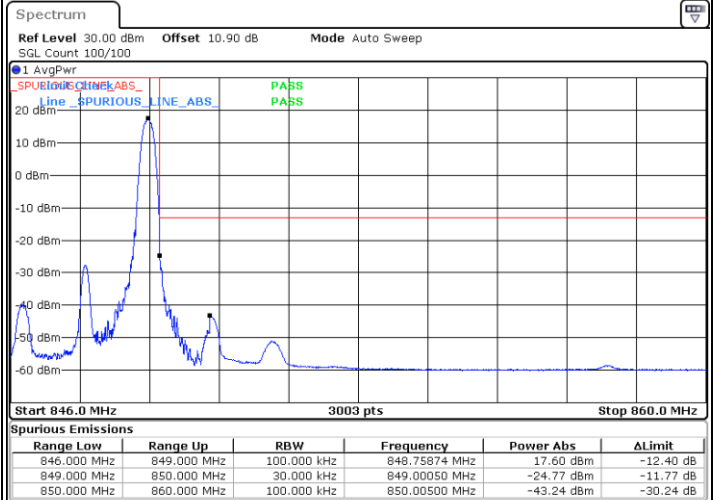
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



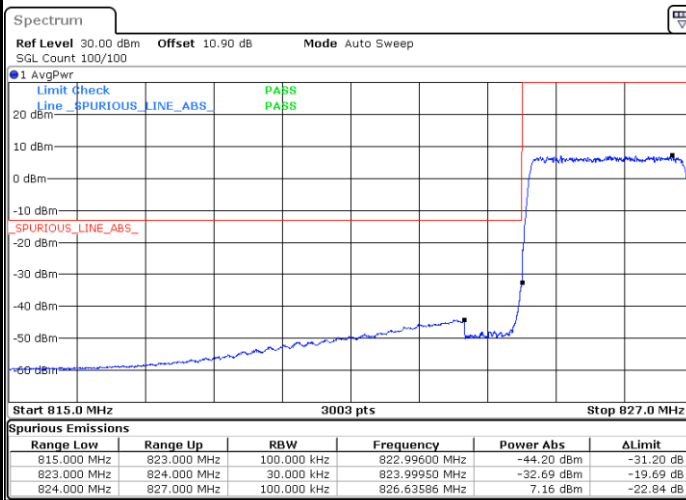
Date: 7.MAR.2021 09:13:54

Highest Band Edge / 1 RB



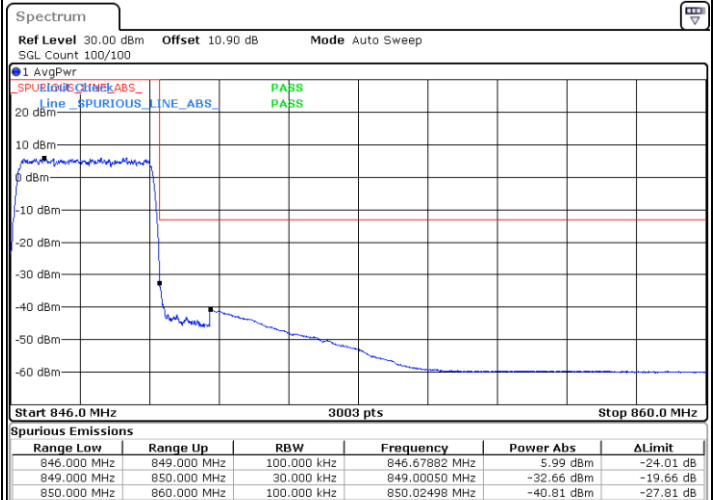
Date: 7.MAR.2021 09:17:43

Lowest Band Edge / Full RB



Date: 7.MAR.2021 09:15:36

Highest Band Edge / Full RB

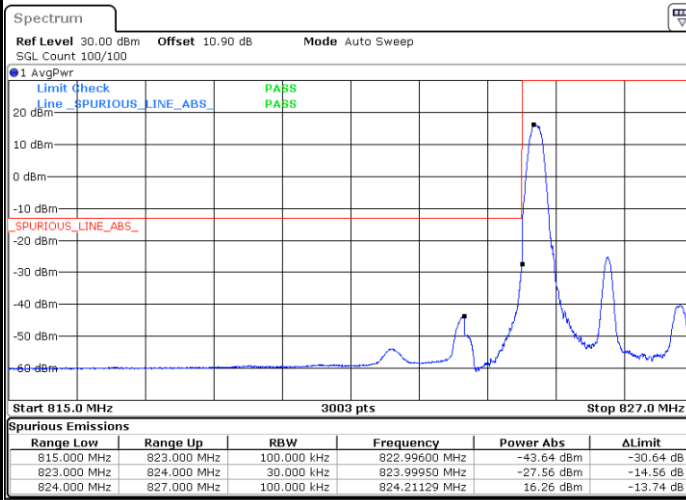


Date: 7.MAR.2021 09:19:25



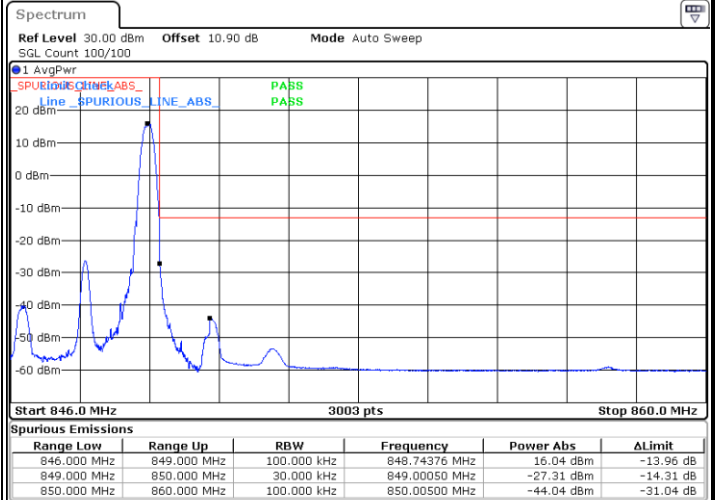
LTE Band 5 / 3MHz / 256QAM

Lowest Band Edge / 1 RB



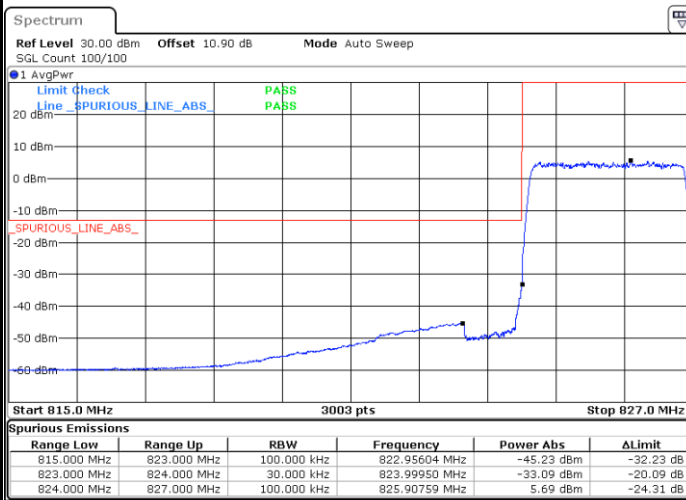
Date: 13.MAR.2021 17:59:24

Highest Band Edge / 1 RB



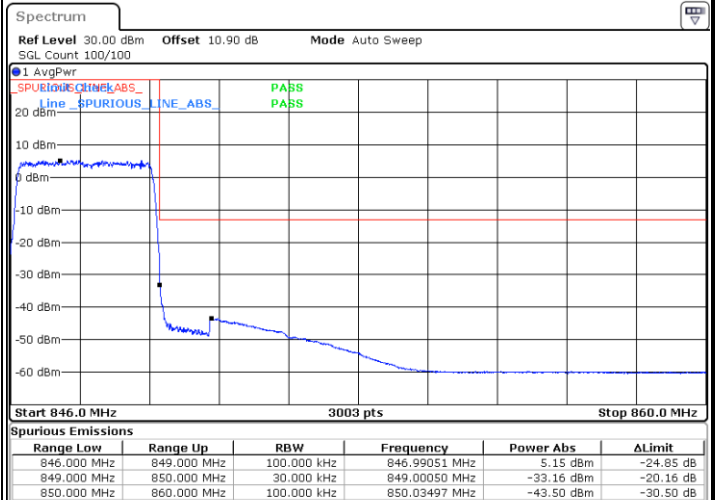
Date: 13.MAR.2021 18:01:06

Lowest Band Edge / Full RB



Date: 13.MAR.2021 17:58:51

Highest Band Edge / Full RB

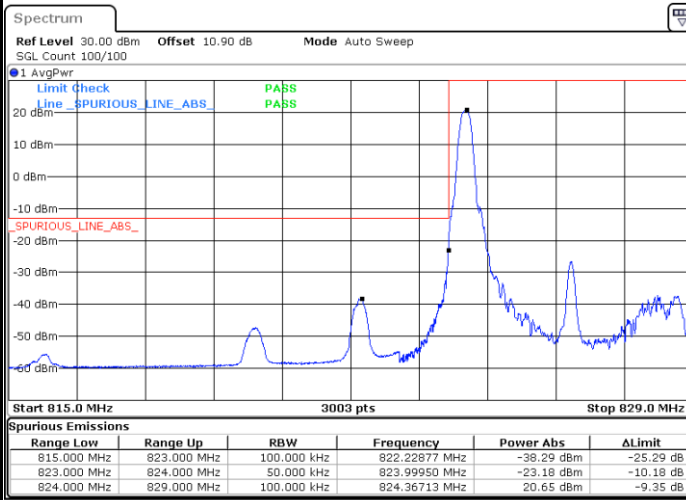


Date: 13.MAR.2021 18:00:16



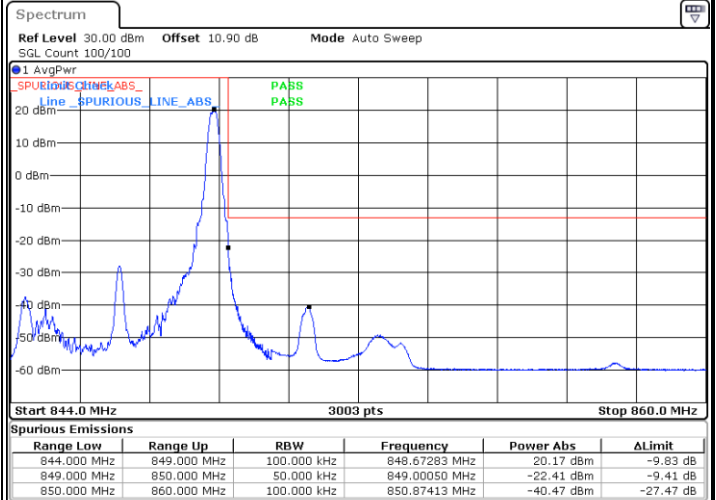
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



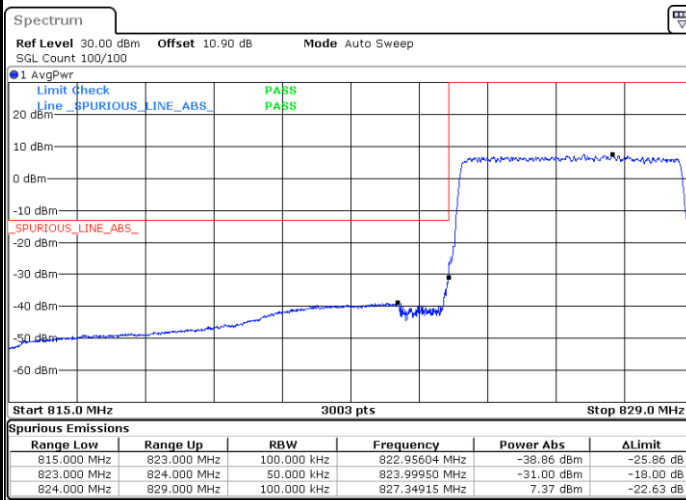
Date: 7.MAR.2021 09:21:09

Highest Band Edge / 1 RB



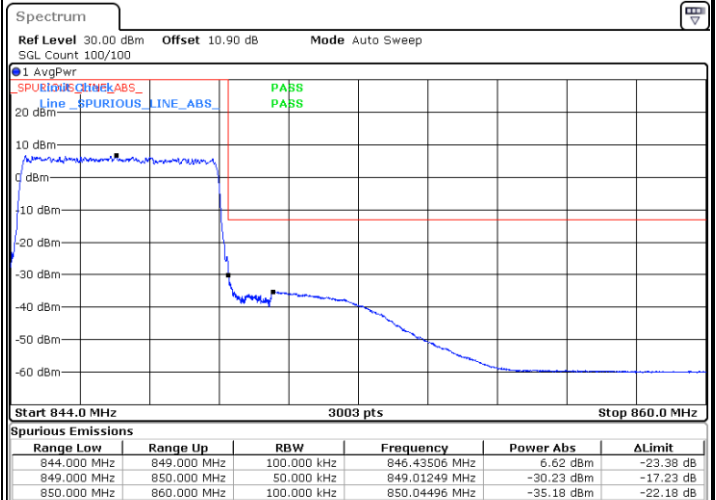
Date: 7.MAR.2021 09:29:42

Lowest Band Edge / Full RB



Date: 7.MAR.2021 09:24:34

Highest Band Edge / Full RB

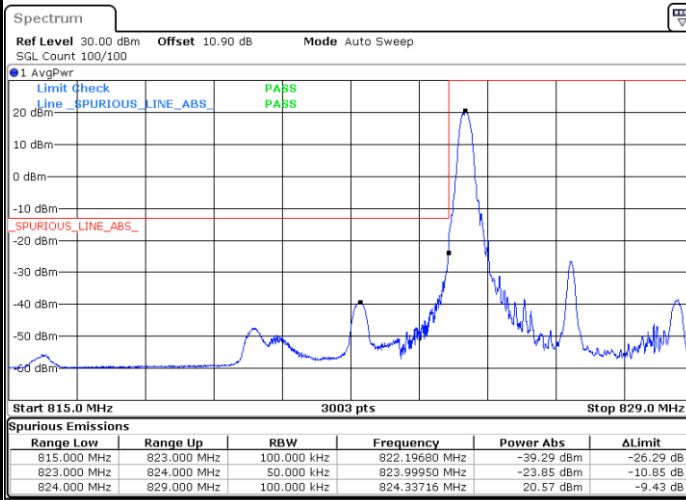


Date: 7.MAR.2021 09:33:07



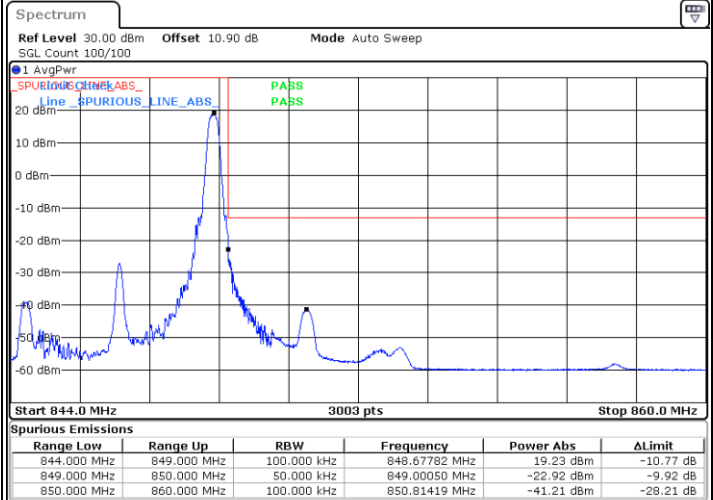
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



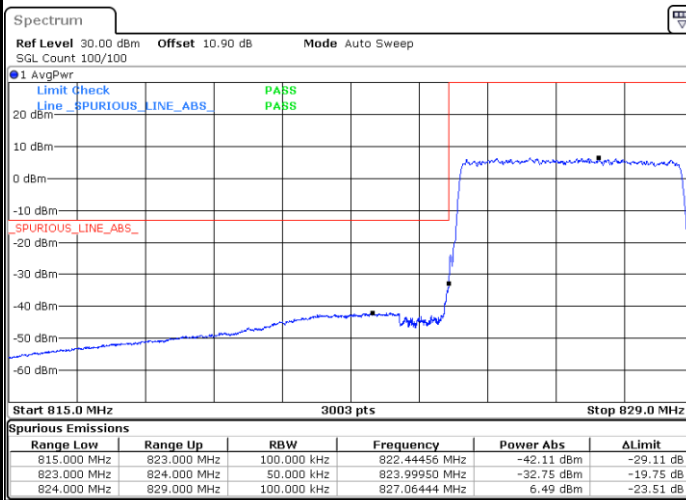
Date: 7.MAR.2021 09:22:52

Highest Band Edge / 1 RB



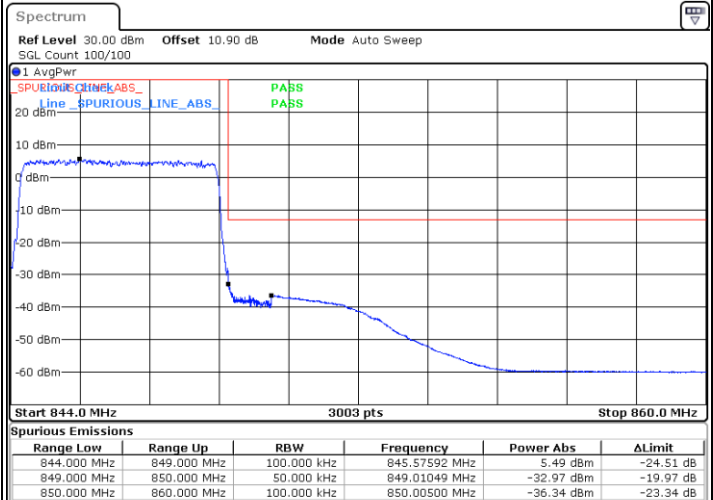
Date: 7.MAR.2021 09:31:24

Lowest Band Edge / Full RB



Date: 7.MAR.2021 09:26:17

Highest Band Edge / Full RB

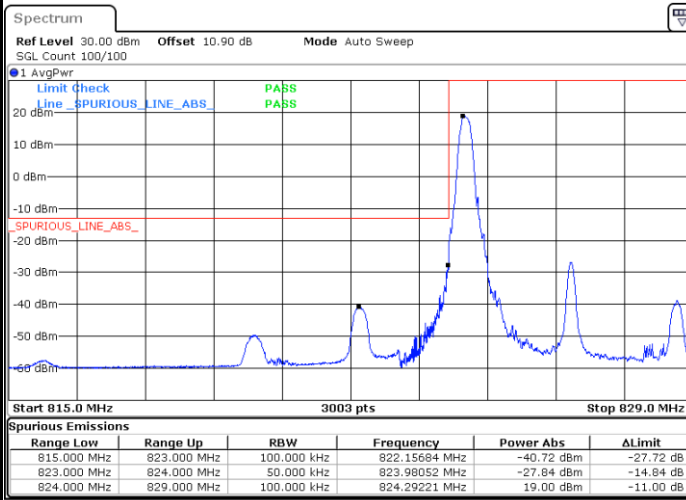


Date: 7.MAR.2021 09:34:49

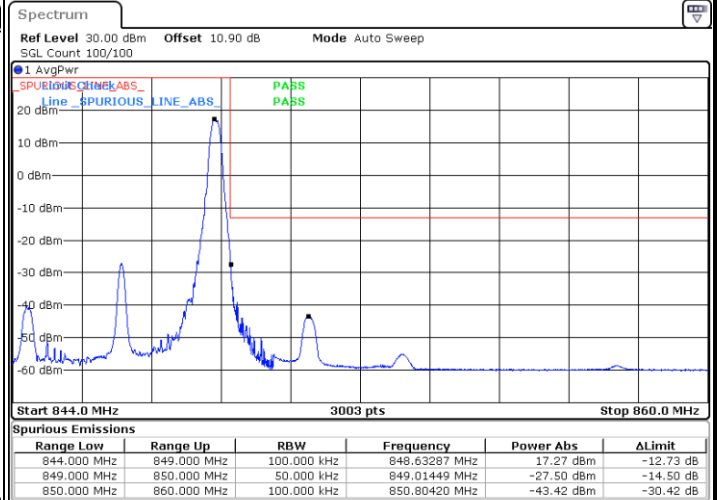


LTE Band 5 / 5MHz / 64QAM

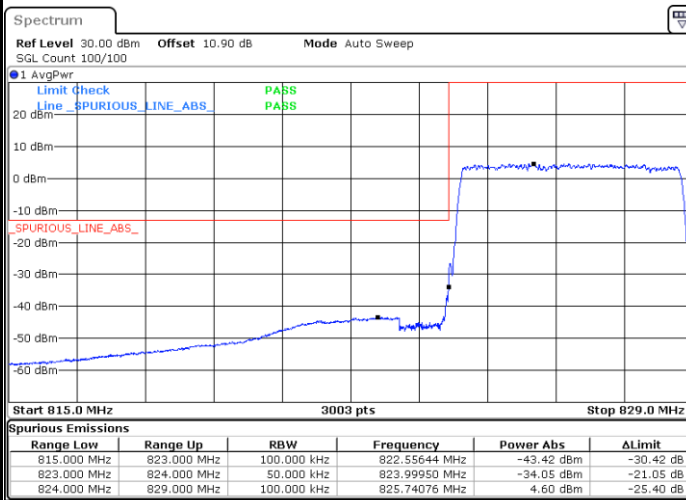
Lowest Band Edge / 1RB



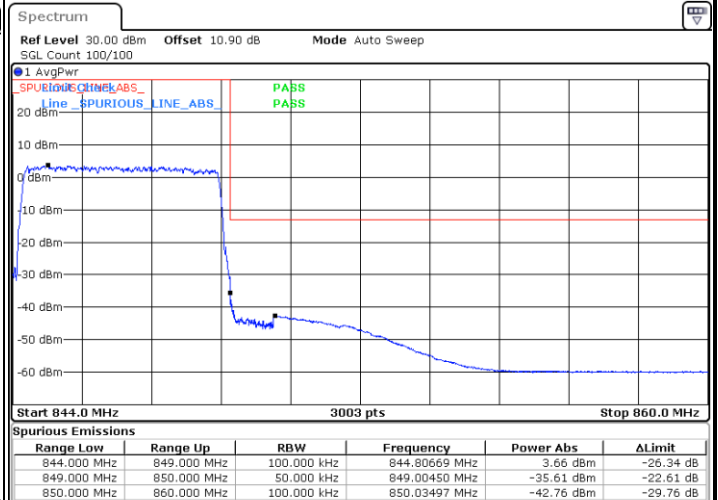
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



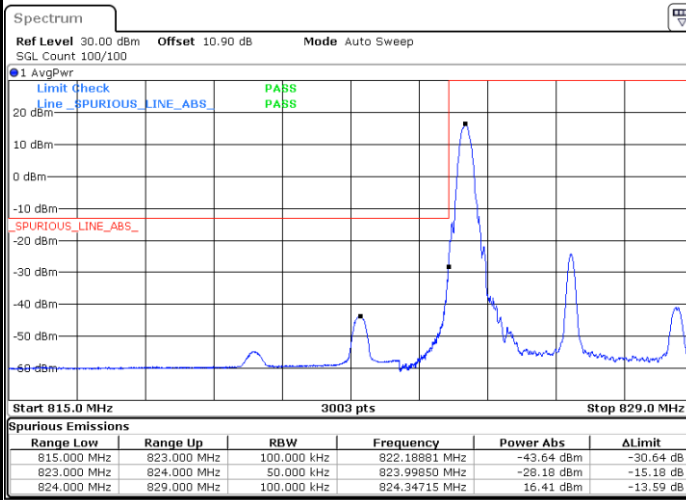
Highest Band Edge / Full RB





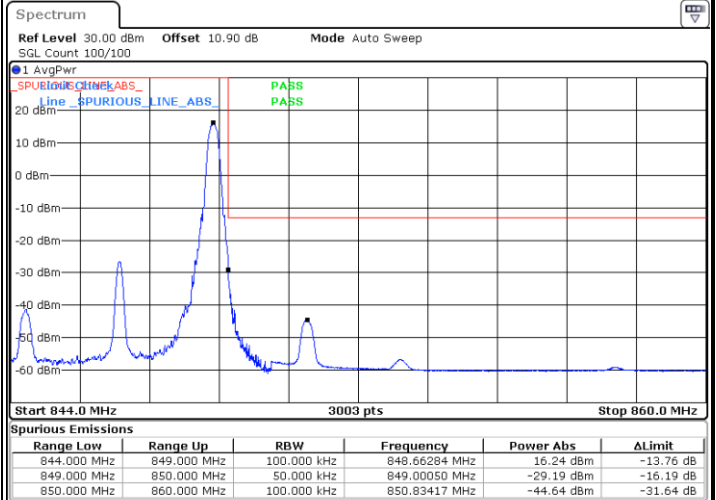
LTE Band 5 / 5MHz / 256QAM

Lowest Band Edge / 1RB



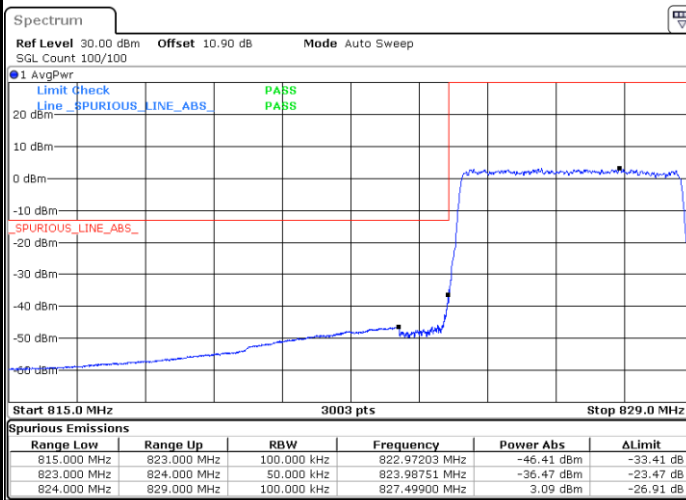
Date: 13.MAR.2021 18:03:15

Highest Band Edge / 1 RB



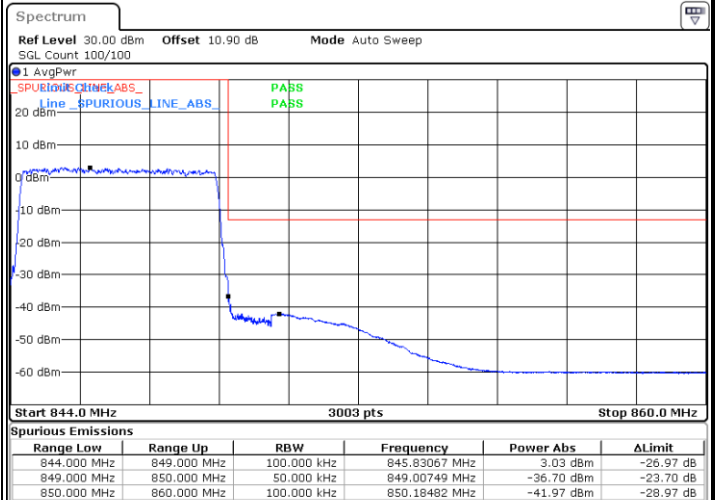
Date: 13.MAR.2021 18:05:22

Lowest Band Edge / Full RB



Date: 13.MAR.2021 18:02:36

Highest Band Edge / Full RB

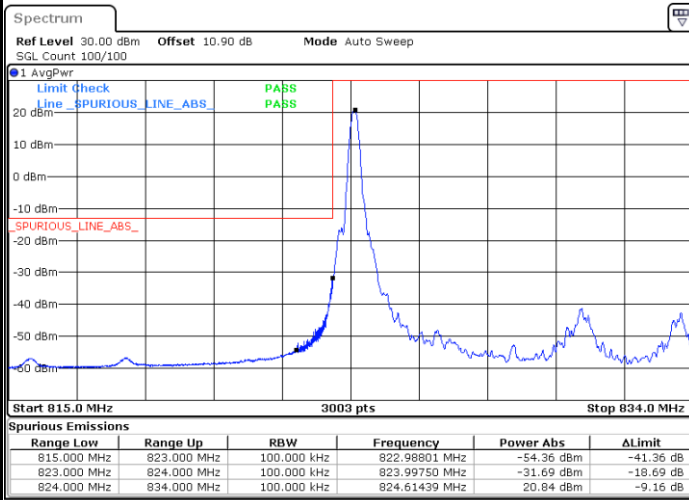


Date: 13.MAR.2021 18:04:04



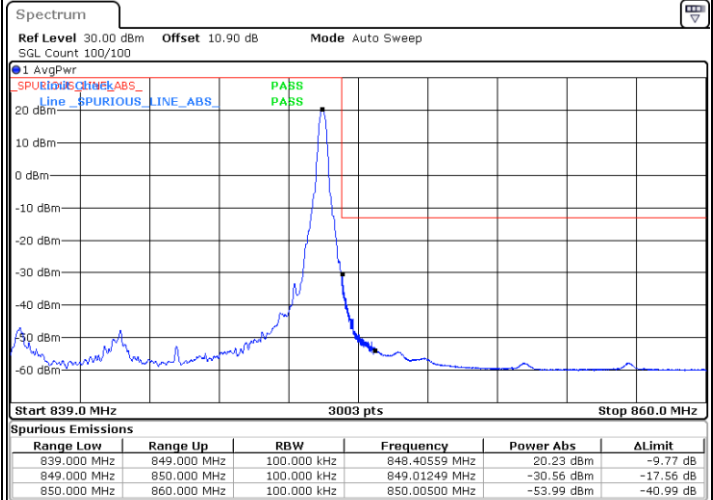
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



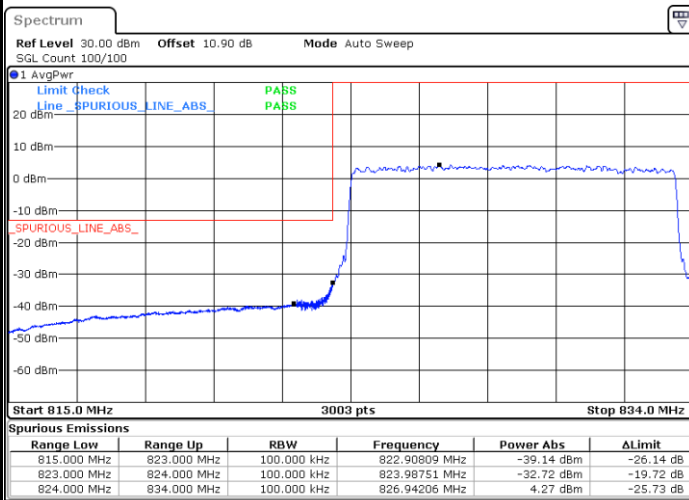
Date: 7.MAR.2021 09:44:15

Highest Band Edge / 1 RB



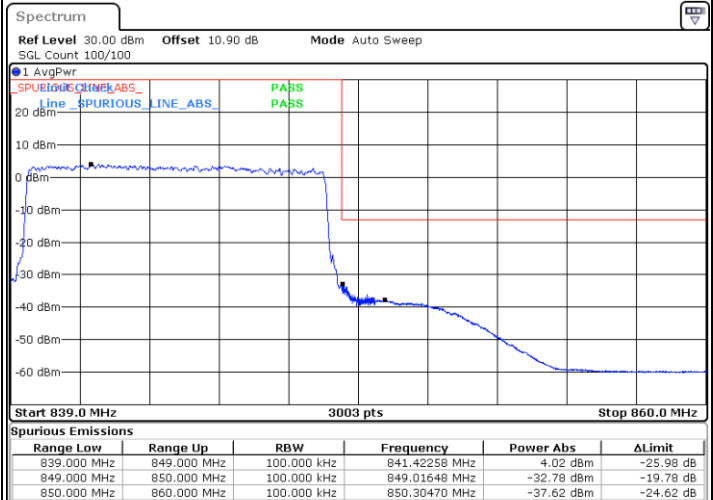
Date: 7.MAR.2021 09:52:48

Lowest Band Edge / Full RB



Date: 7.MAR.2021 09:47:40

Highest Band Edge / Full RB

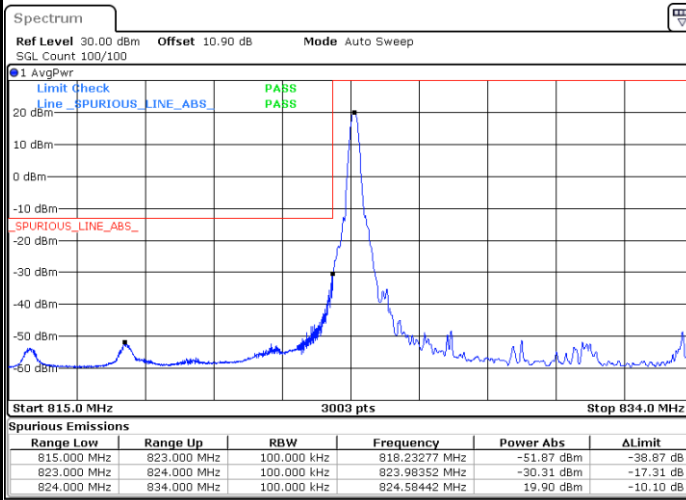


Date: 7.MAR.2021 09:56:15

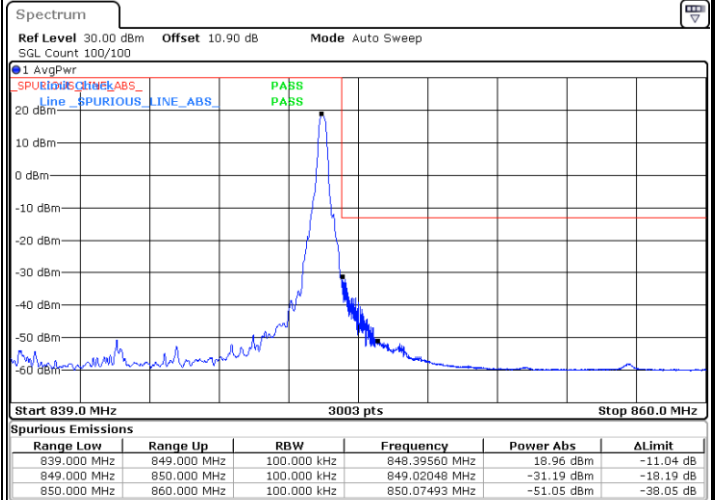


LTE Band 5 / 10MHz / 16QAM

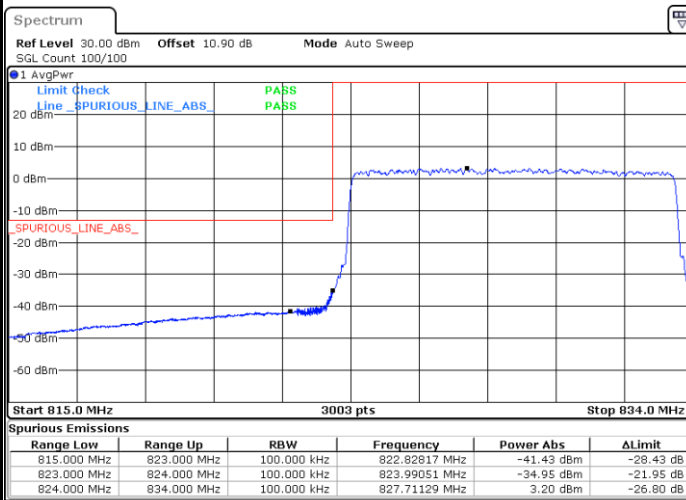
Lowest Band Edge / 1 RB



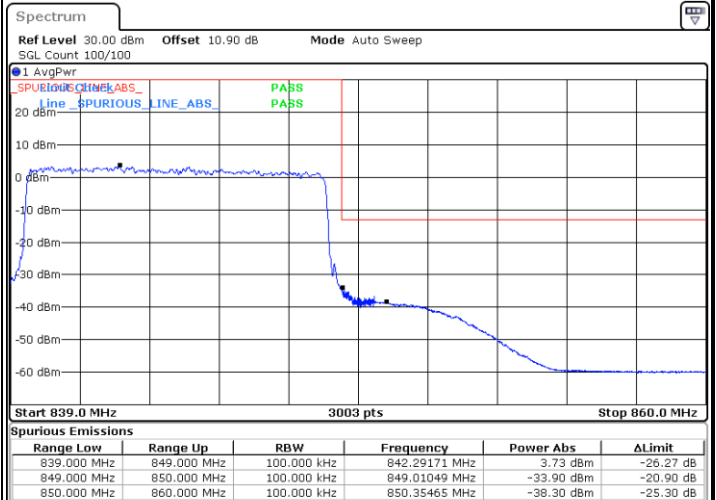
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



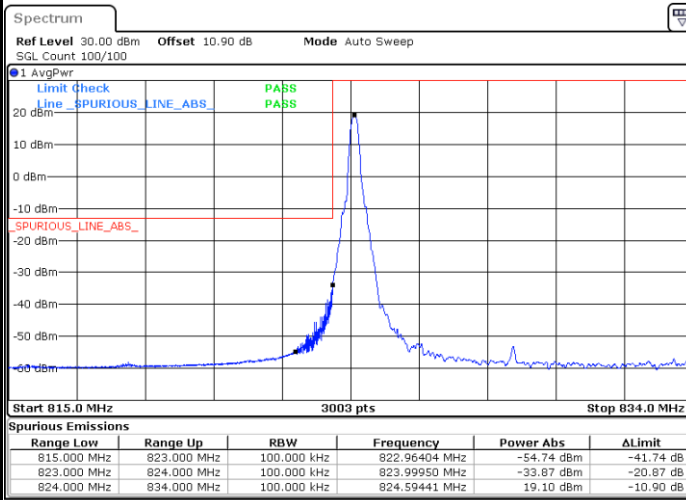
Highest Band Edge / Full RB



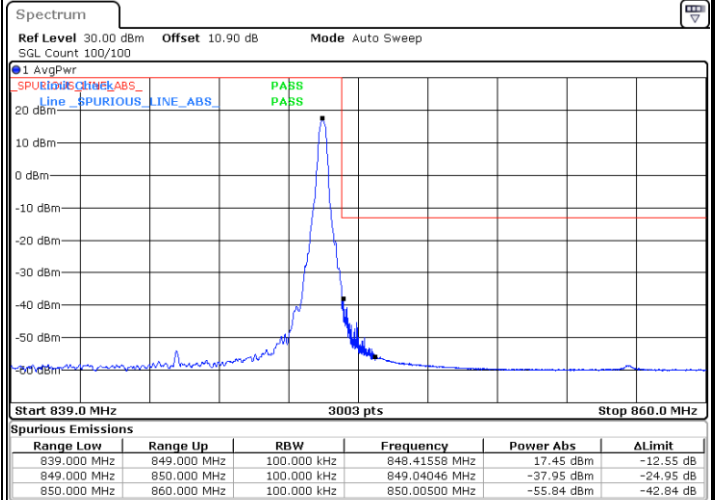


LTE Band 5 / 10MHz / 64QAM

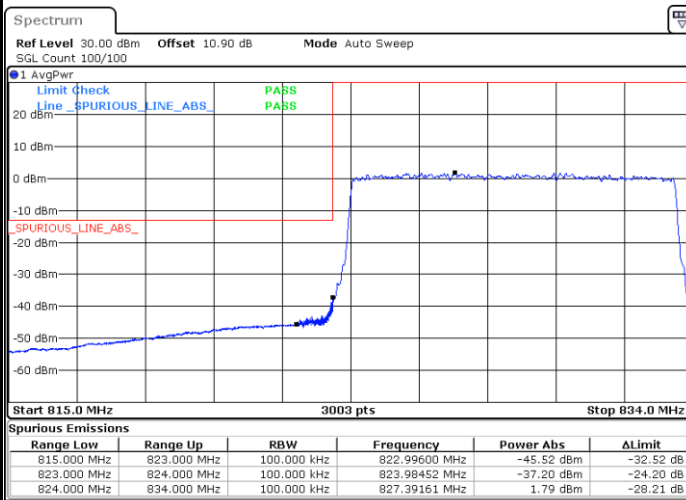
Lowest Band Edge / 1 RB



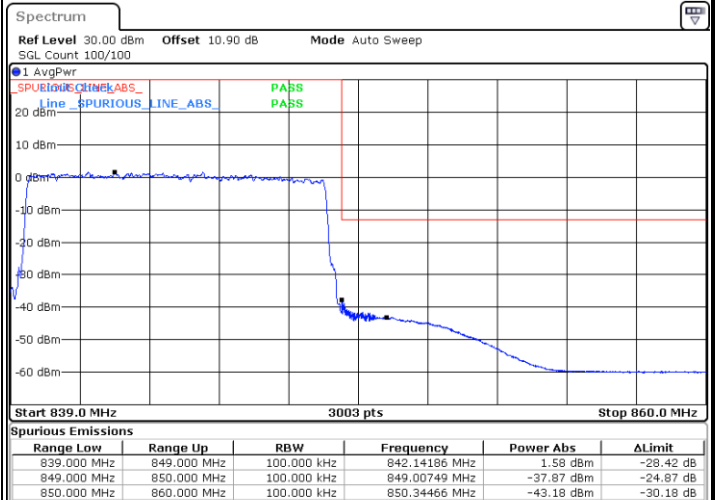
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



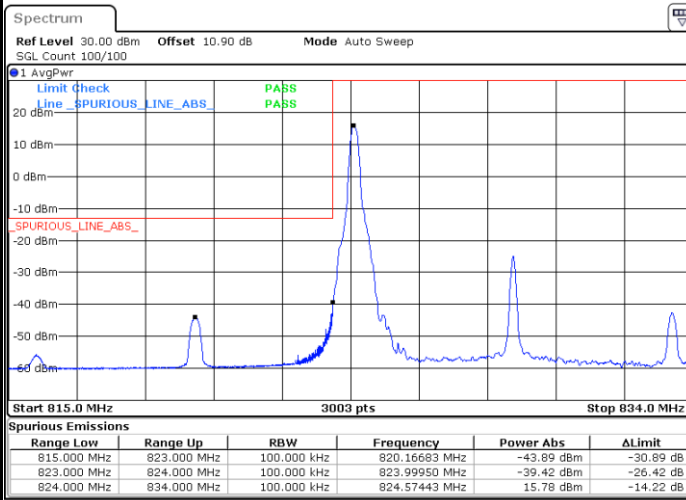
Highest Band Edge / Full RB



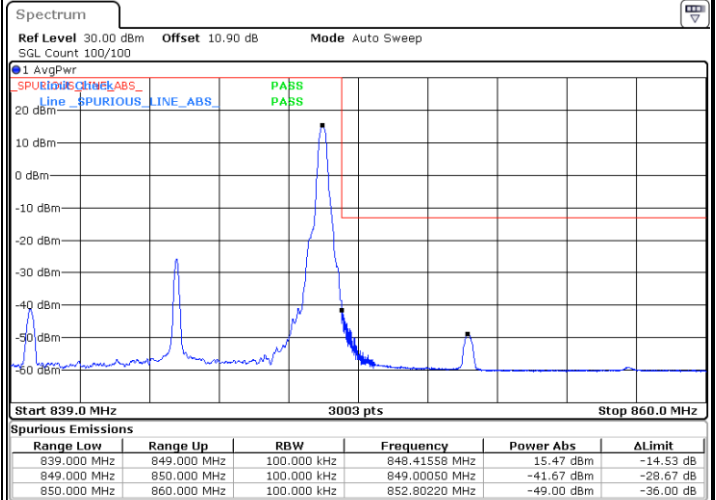


LTE Band 5 / 10MHz / 256QAM

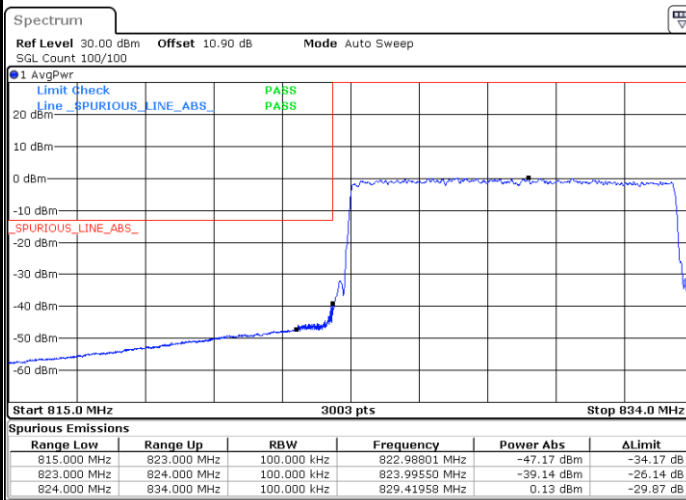
Lowest Band Edge / 1 RB



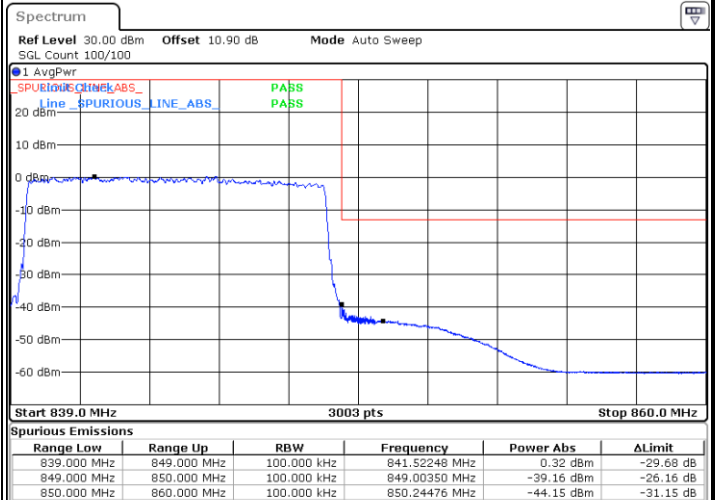
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

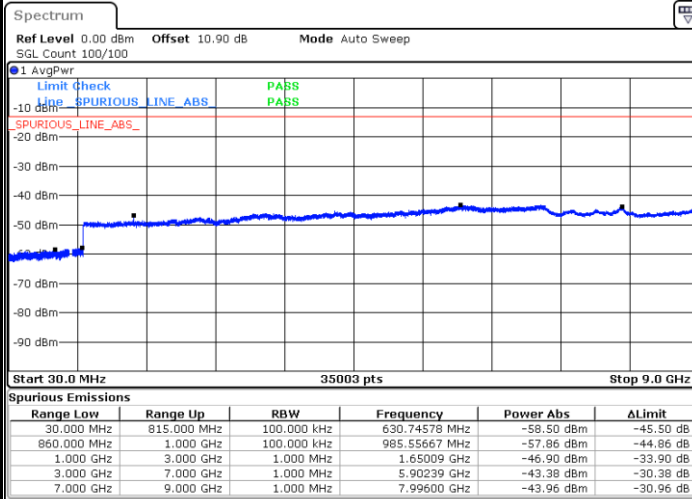




Conducted Spurious Emission

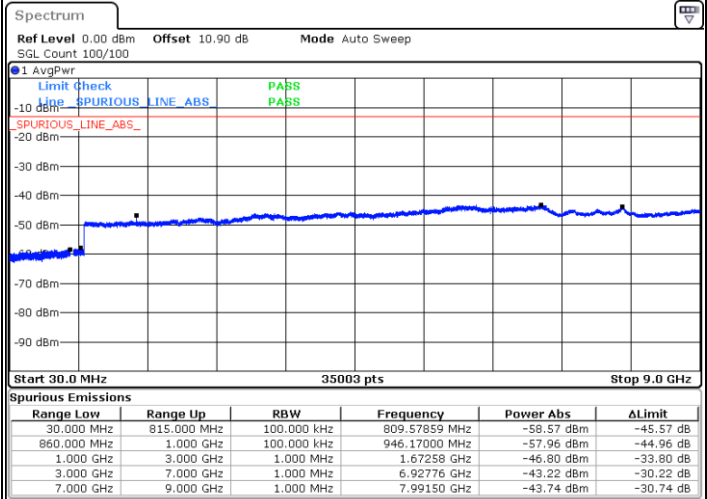
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK



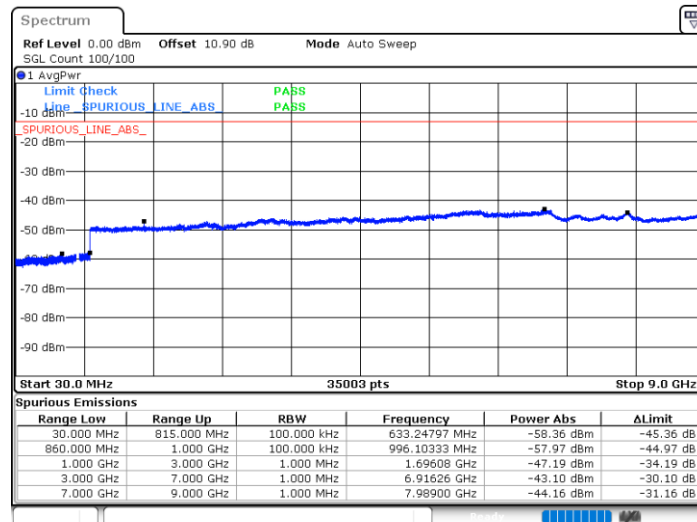
Date: 7.MAR.2021 07:30:39

Middle Channel / QPSK



Date: 7.MAR.2021 07:31:54

Highest Channel / QPSK

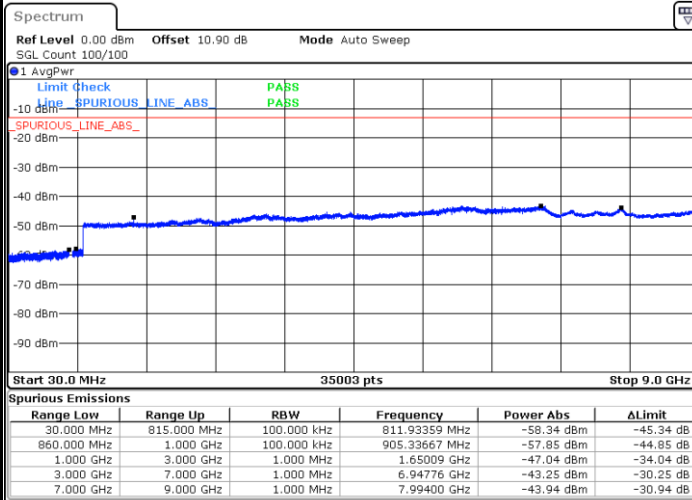


Date: 7.MAR.2021 07:39:13



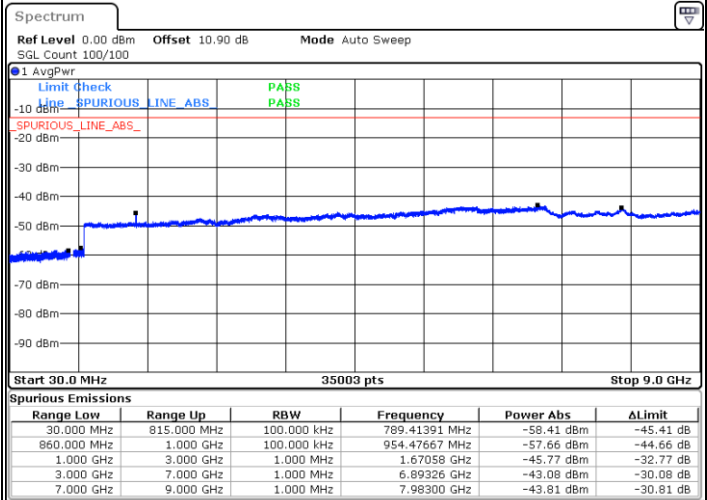
LTE Band 5 / 3MHz

Lowest Channel / QPSK



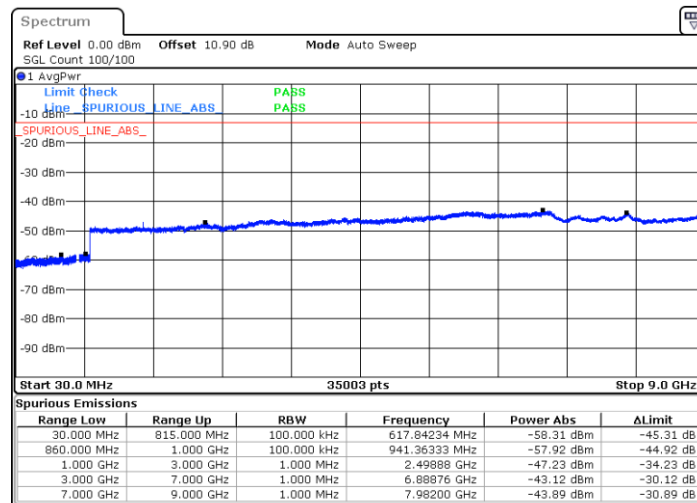
Date: 7.MAR.2021 09:03:39

Middle Channel / QPSK



Date: 7.MAR.2021 09:04:53

Highest Channel / QPSK

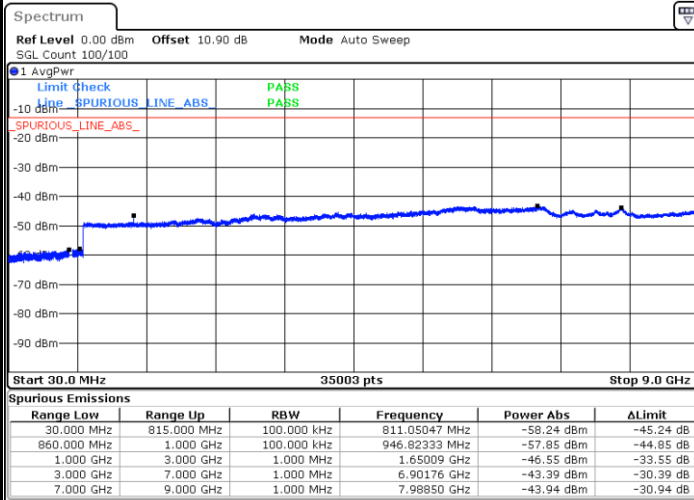


Date: 7.MAR.2021 09:12:11



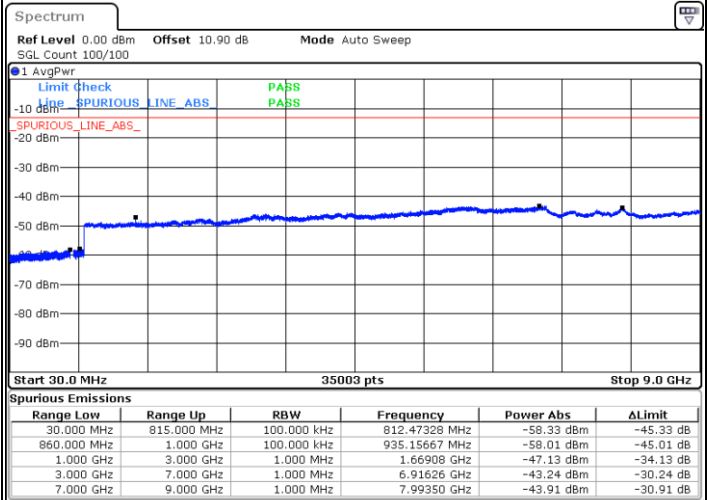
LTE Band 5 / 5MHz

Lowest Channel / QPSK



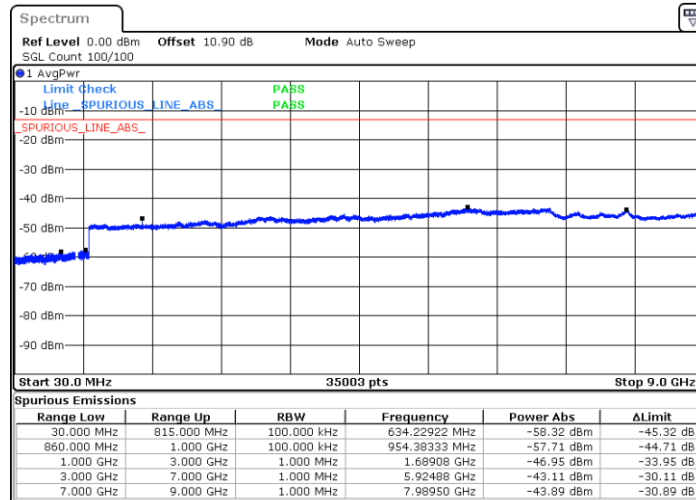
Date: 7.MAR.2021 09:26:45

Middle Channel / QPSK



Date: 7.MAR.2021 09:28:00

Highest Channel / QPSK

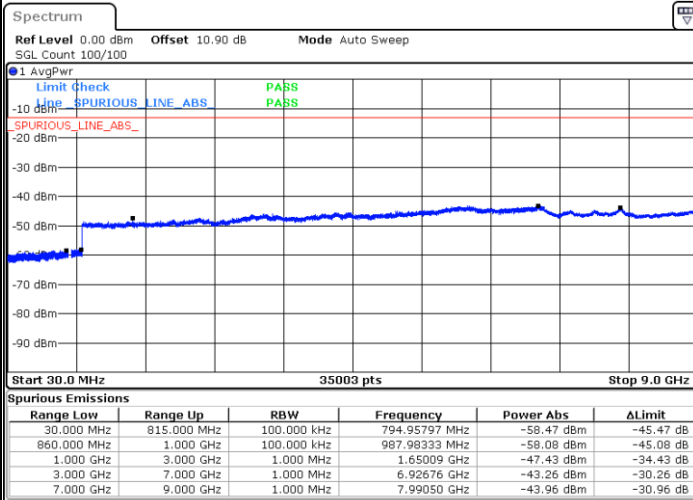


Date: 7.MAR.2021 09:35:17



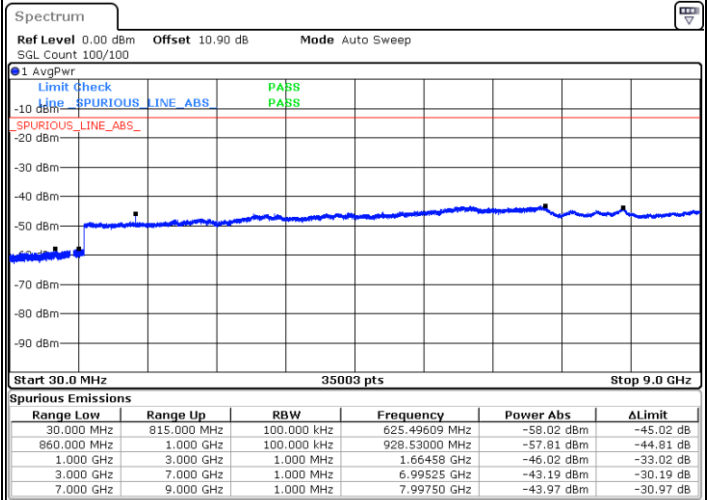
LTE Band 5 / 10MHz

Lowest Channel / QPSK



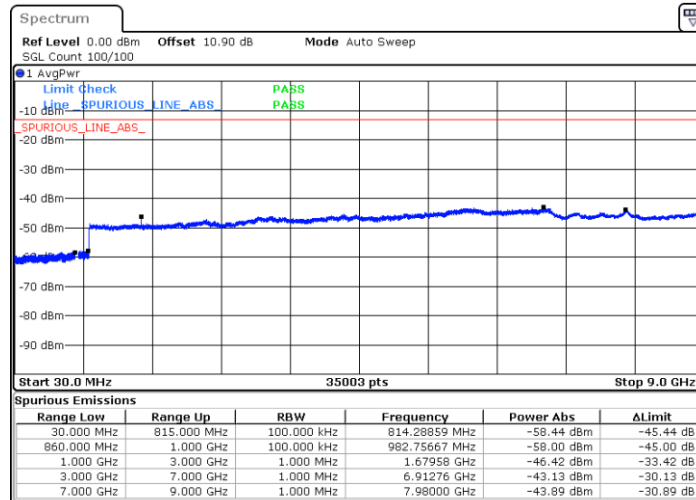
Date: 7.MAR.2021 09:49:51

Middle Channel / QPSK



Date: 7.MAR.2021 09:51:06

Highest Channel / QPSK



Date: 7.MAR.2021 09:58:26

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	0.0043	PASS
40	Normal Voltage	0.0022	
30	Normal Voltage	0.0092	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0044	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0146	
-20	Normal Voltage	0.0166	
-30	Normal Voltage	0.0139	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0112	

Note:

1. Normal Voltage =12 V. ; Battery End Point (BEP) =11.6 V. ; Maximum Voltage =12.4 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	7.99	8.06	14.54
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.66	19.74	-

Mode	LTE Band 5B : 26dB BW(MHz)		
16QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.99	8.07	14.57
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.72	19.74	-

Mode	LTE Band 5B : 26dB BW(MHz)		
64QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.96	8.07	14.48
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.69	19.66	-

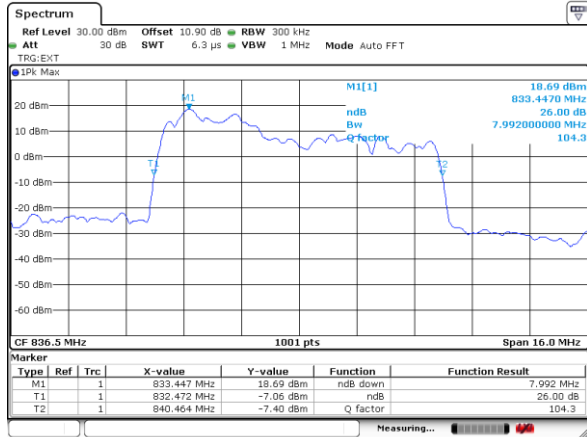
Mode	LTE Band 5B : 26dB BW(MHz)		
256QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.94	8.02	14.51
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.63	19.66	-



LTE Band 5B

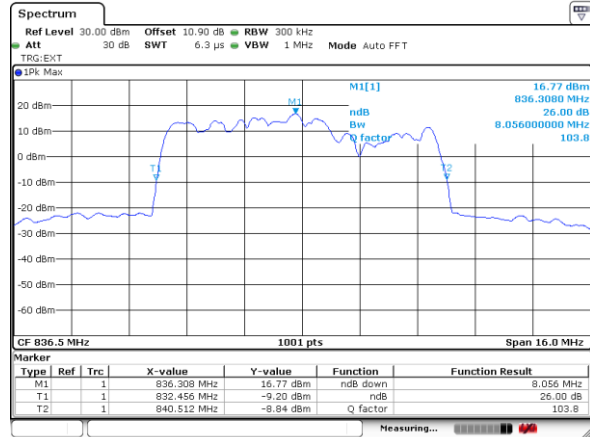
QPSK

Middle Channel / 3MHz+5MHz



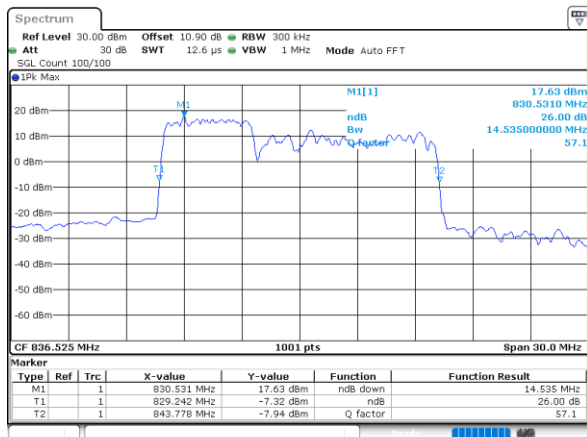
Date: 26.MAR.2021 16:32:37

Middle Channel / 5MHz+3MHz



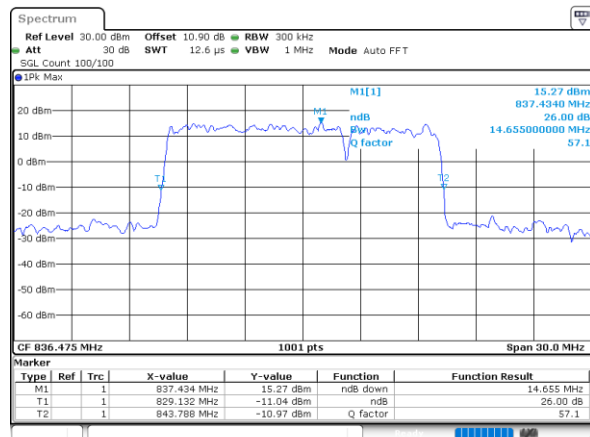
Date: 27.MAR.2021 17:39:52

Middle Channel / 5MHz+10MHz



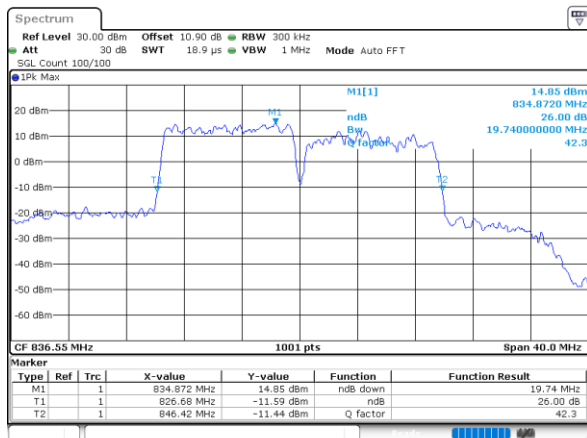
Date: 7.MAR.2021 13:13:20

Middle Channel / 10MHz+5MHz



Date: 7.MAR.2021 14:02:12

Middle Channel / 10MHz+10MHz



Date: 7.MAR.2021 14:46:47

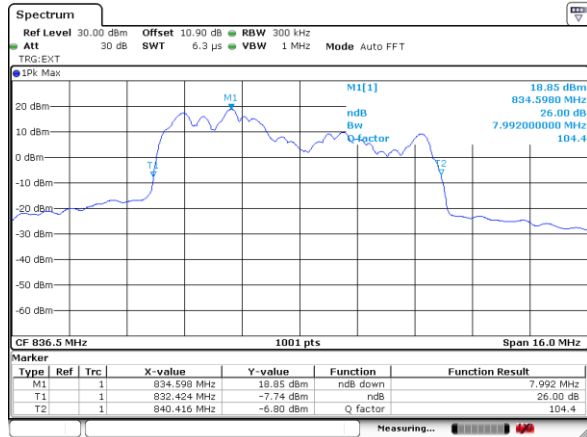
N/A



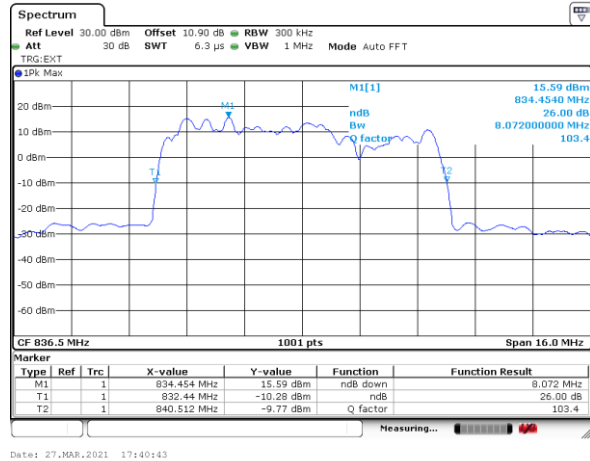
LTE Band 5B

16QAM

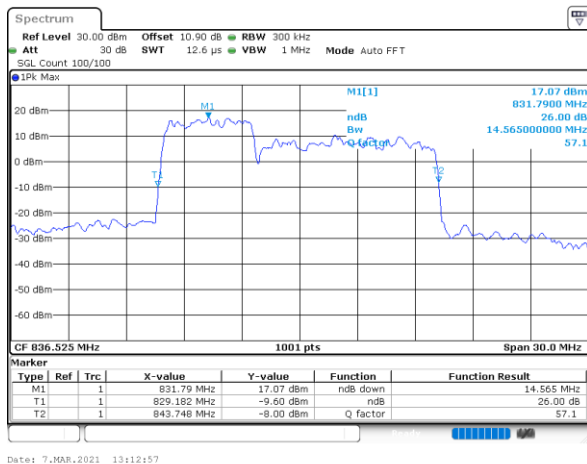
Middle Channel / 3MHz+5MHz



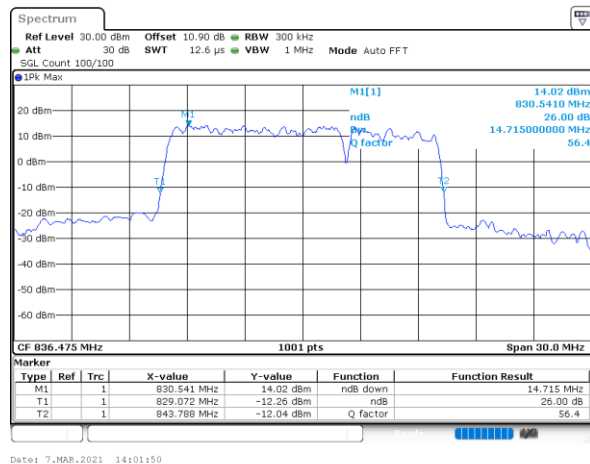
Middle Channel / 5MHz+3MHz



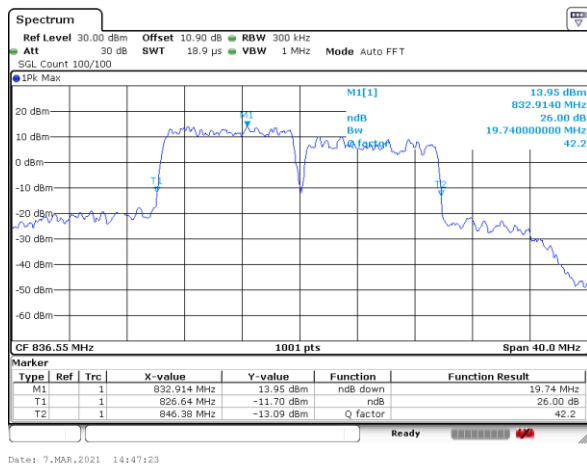
Middle Channel / 5MHz+10MHz



Middle Channel / 10MHz+5MHz



Middle Channel / 10MHz+10MHz



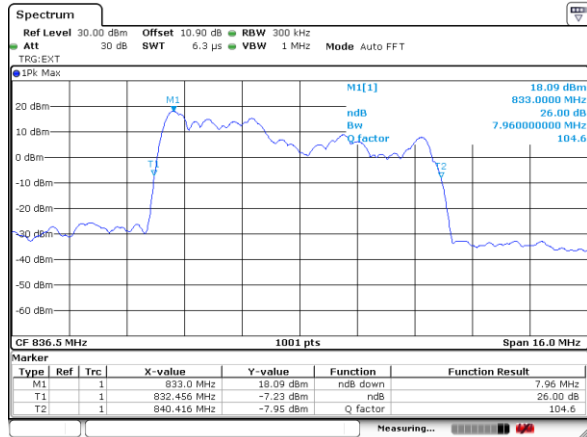
N/A



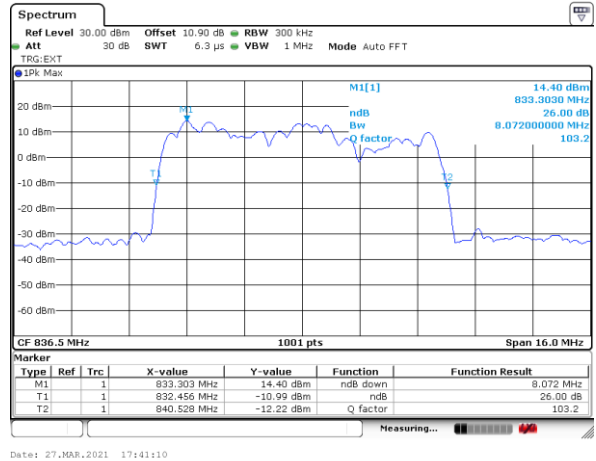
LTE Band 5B

64QAM

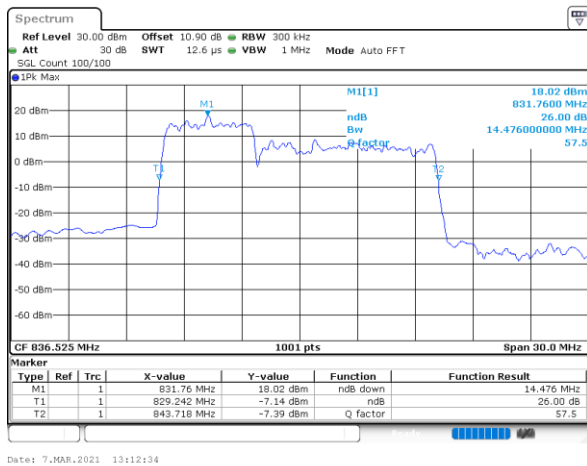
Middle Channel / 3MHz+5MHz



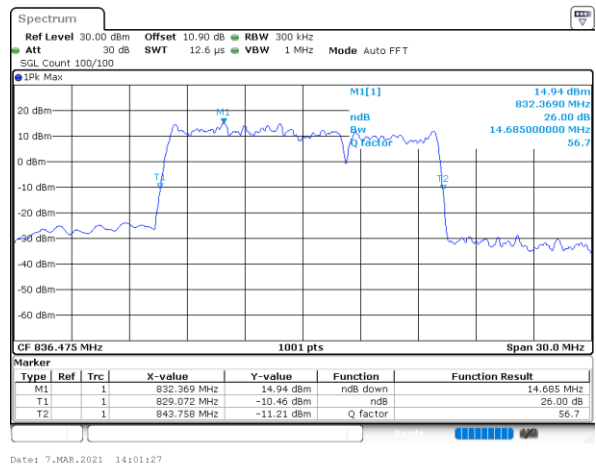
Middle Channel / 5MHz+3MHz



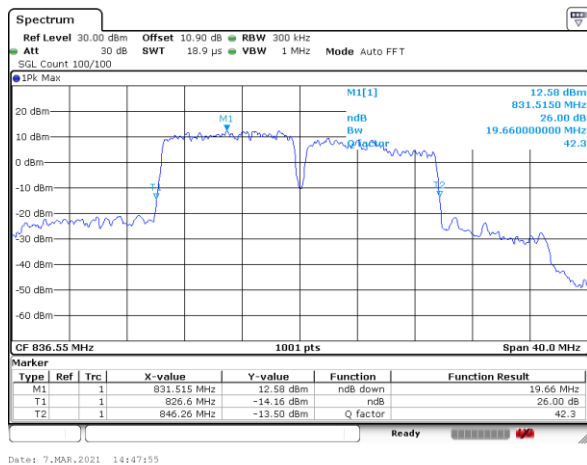
Middle Channel / 5MHz+10MHz



Middle Channel / 10MHz+5MHz



Middle Channel / 10MHz+10MHz



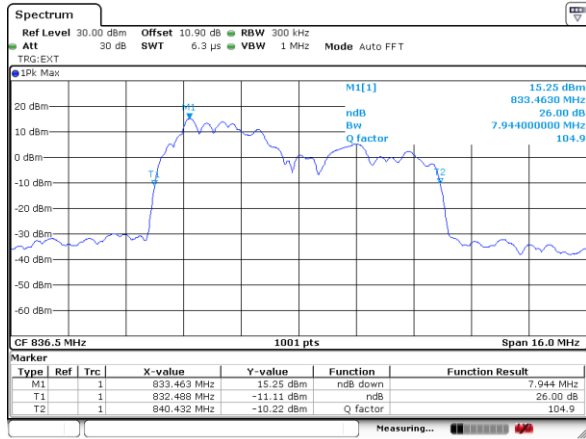
N/A



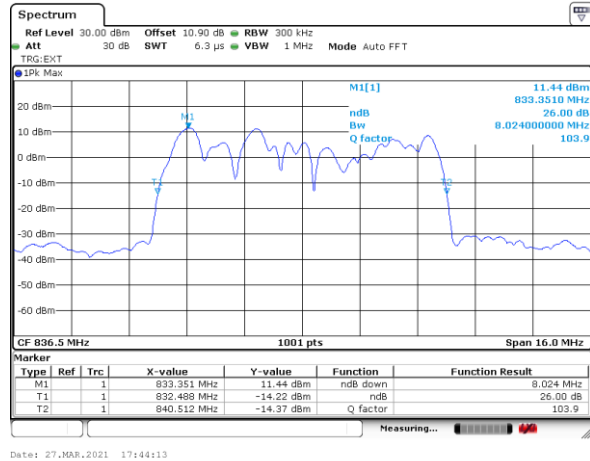
LTE Band 5B

256QAM

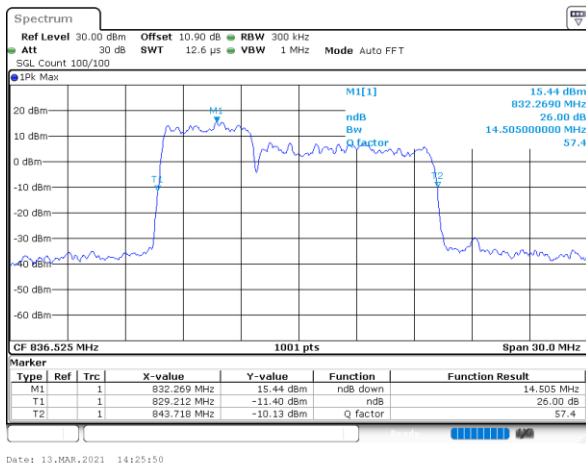
Middle Channel / 3MHz+5MHz



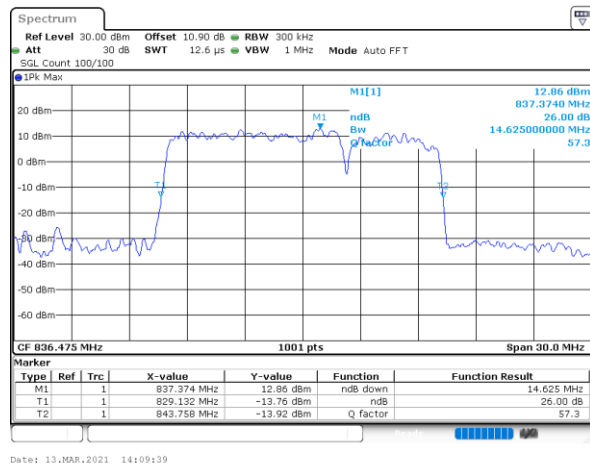
Middle Channel / 5MHz+3MHz



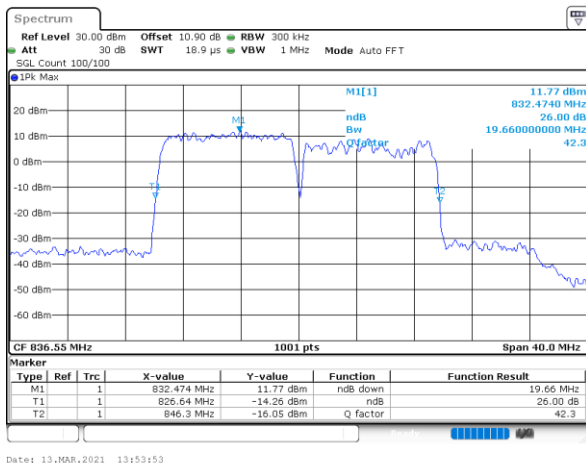
Middle Channel / 5MHz+10MHz



Middle Channel / 10MHz+5MHz



Middle Channel / 10MHz+10MHz



N/A

Occupied Bandwidth

Mode	LTE Band 5B : 99%OBW(MHz)		
	QPSK		
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.26	7.43	13.76
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.91	18.66	-

Mode	LTE Band 5B : 99%OBW(MHz)		
	16QAM		
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.45	7.51	13.76
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.88	18.66	-

Mode	LTE Band 5B : 99%OBW(MHz)		
	64QAM		
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.45	7.50	13.82
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.85	18.74	-

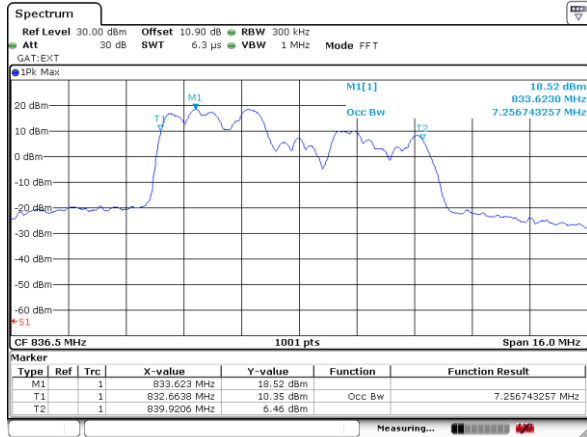
Mode	LTE Band 5B : 99%OBW(MHz)		
	254QAM		
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.26	7.35	13.64
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.85	18.66	-



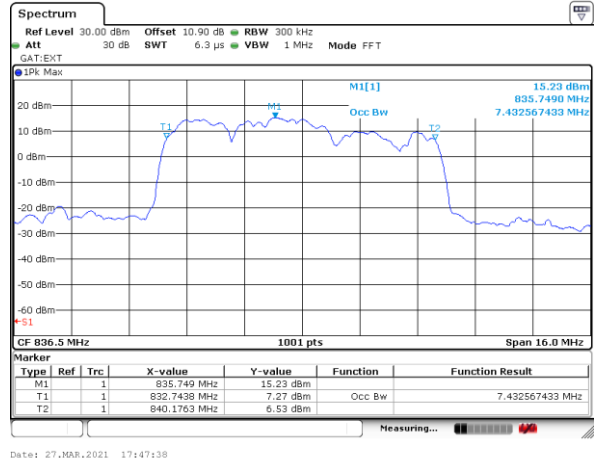
LTE Band 5B

QPSK

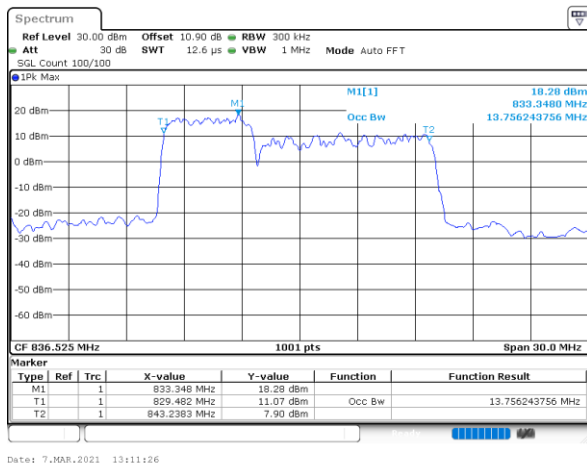
Middle Channel / 3MHz+5MHz



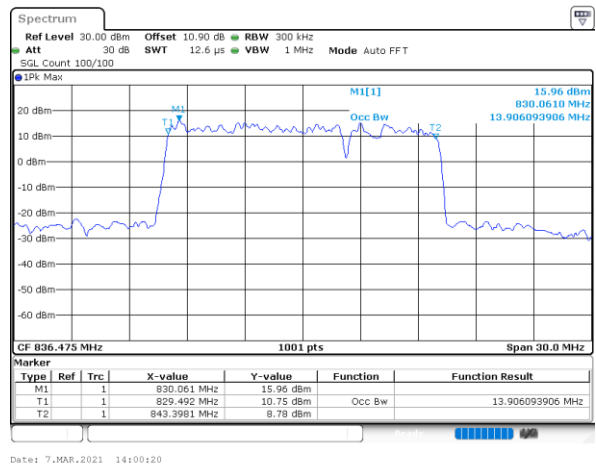
Middle Channel / 5MHz+3MHz



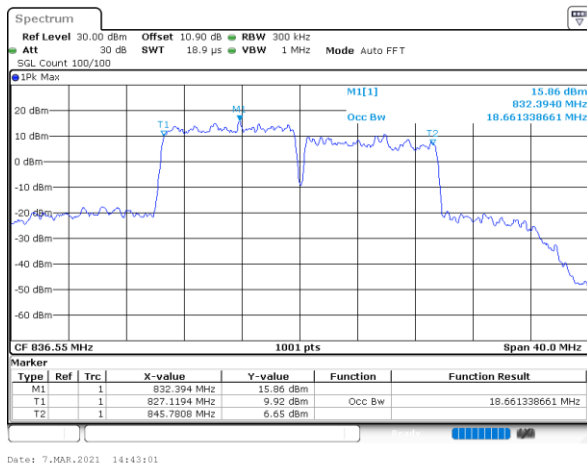
Middle Channel / 5MHz+10MHz



Middle Channel / 10MHz+5MHz



Middle Channel / 10MHz+10MHz



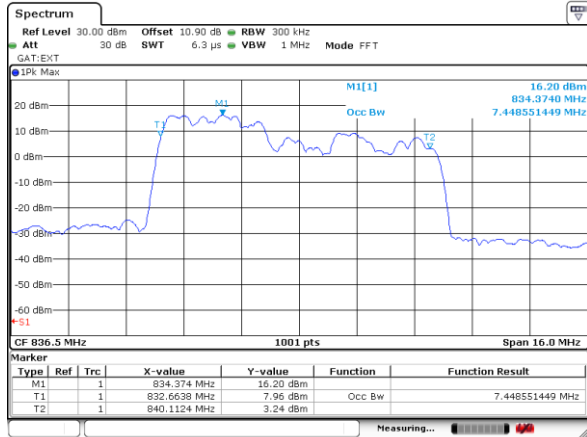
N/A



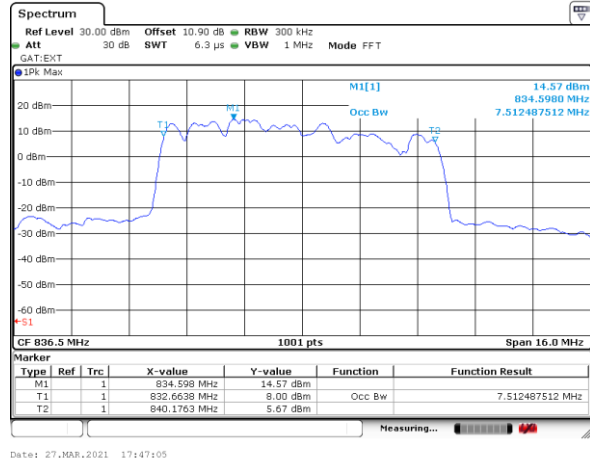
LTE Band 5B

16QAM

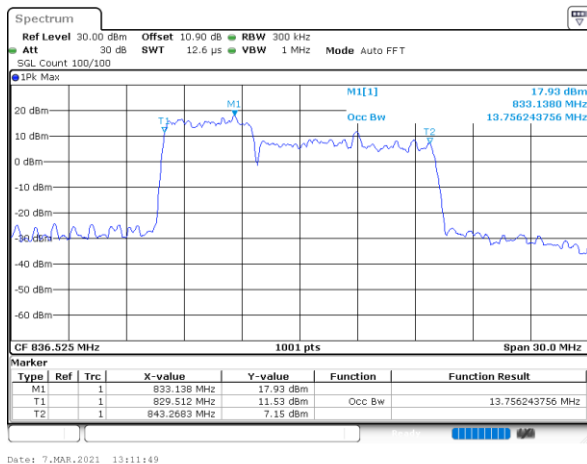
Middle Channel / 3MHz+5MHz



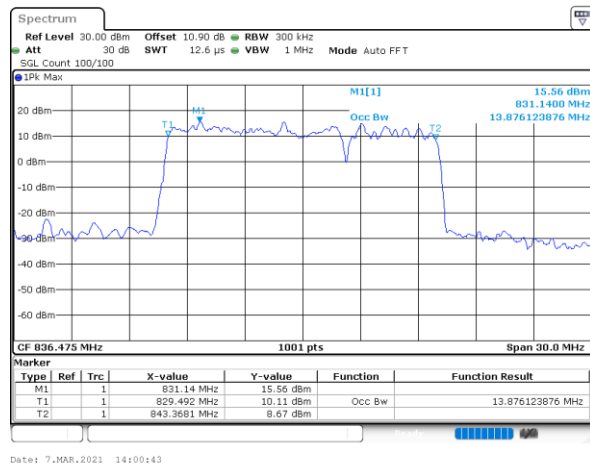
Middle Channel / 5MHz+3MHz



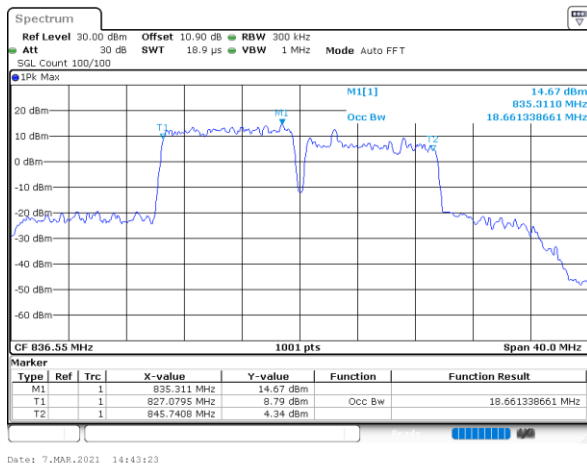
Middle Channel / 5MHz+10MHz



Middle Channel / 10MHz+5MHz



Middle Channel / 10MHz+10MHz



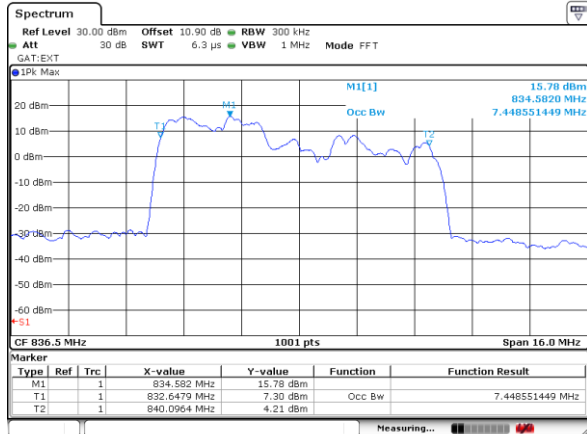
N/A



LTE Band 5B

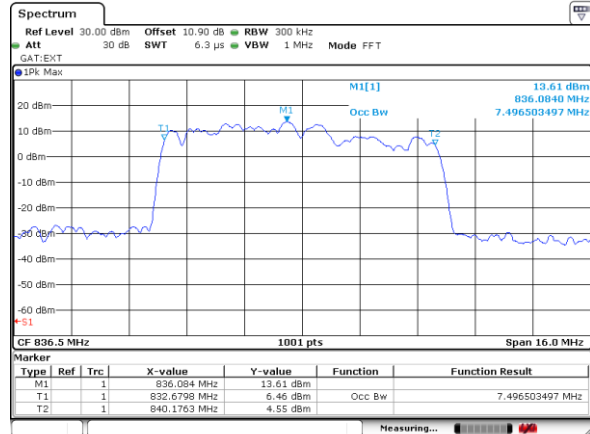
64QAM

Middle Channel / 3MHz+5MHz



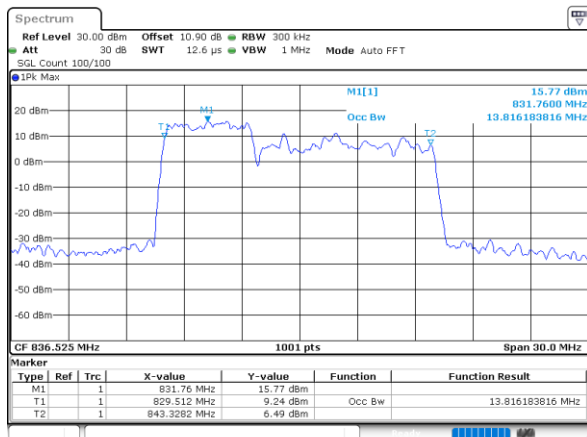
Date: 26.MAR.2021 16:35:42

Middle Channel / 5MHz+3MHz



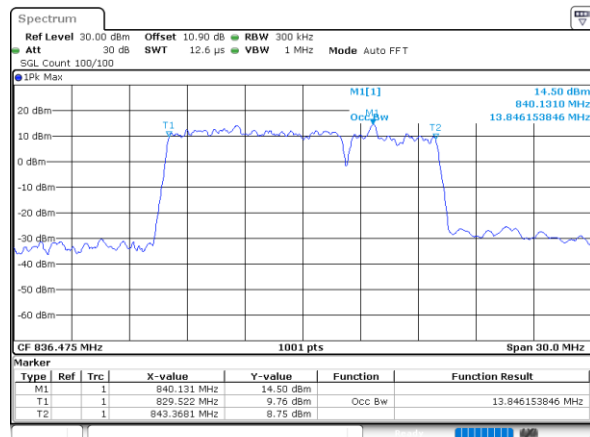
Date: 27.MAR.2021 17:46:33

Middle Channel / 5MHz+10MHz



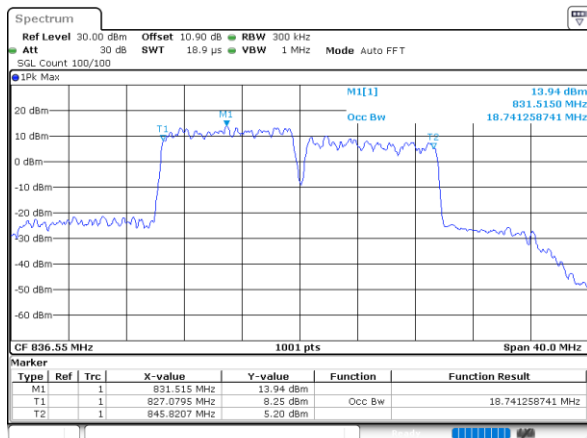
Date: 7.MAR.2021 13:12:12

Middle Channel / 10MHz+5MHz



Date: 7.MAR.2021 14:01:05

Middle Channel / 10MHz+10MHz



Date: 7.MAR.2021 14:43:46

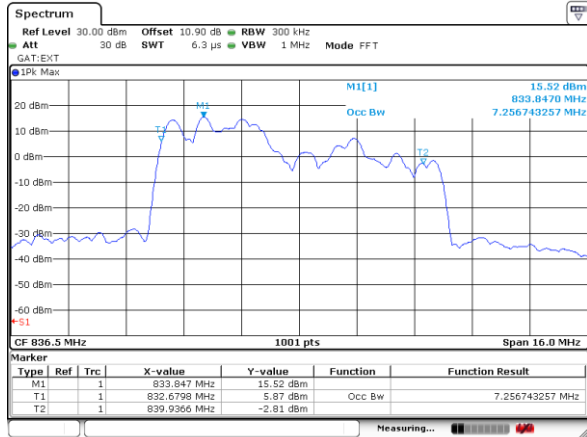
N/A



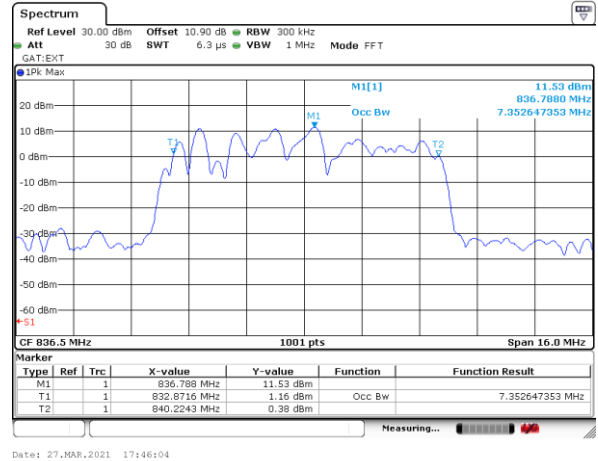
LTE Band 5B

256QAM

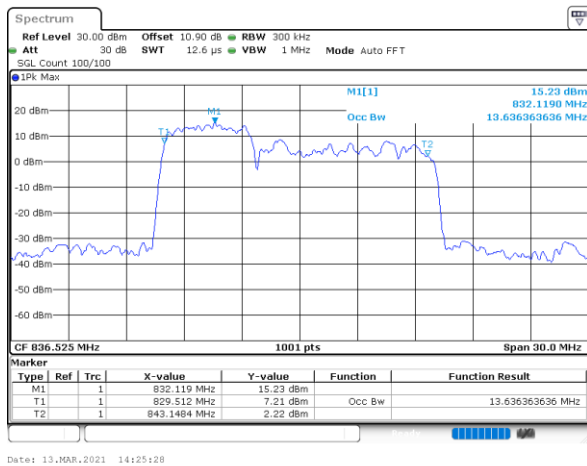
Middle Channel / 3MHz+5MHz



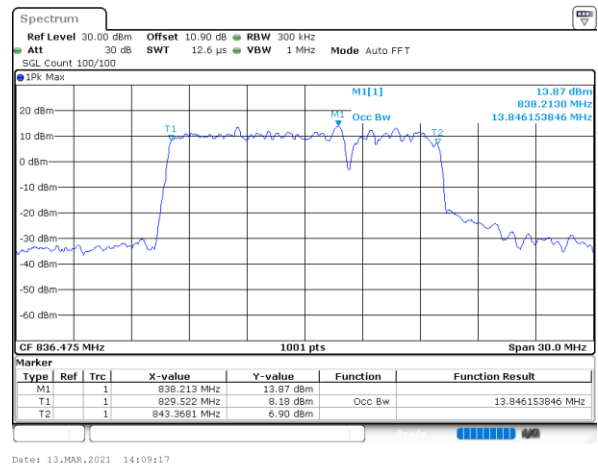
Middle Channel / 5MHz+3MHz



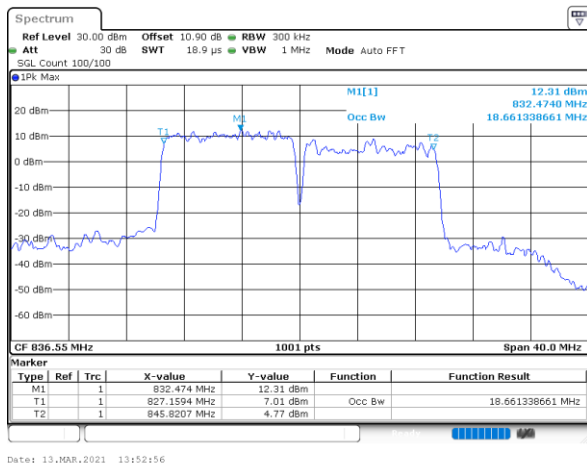
Middle Channel / 5MHz+10MHz



Middle Channel / 10MHz+5MHz



Middle Channel / 10MHz+10MHz



N/A