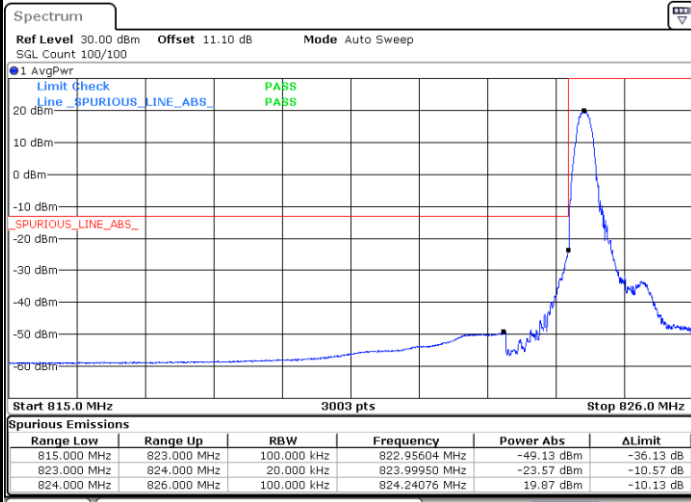




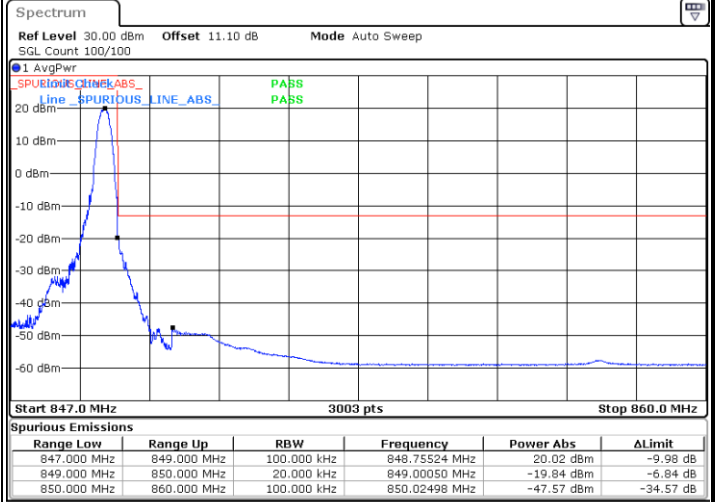
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



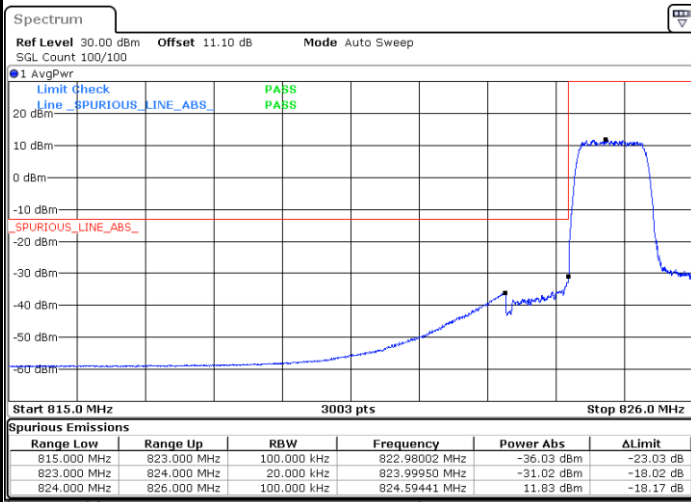
Date: 7.FEB.2022 09:21:25

Highest Band Edge / 1 RB



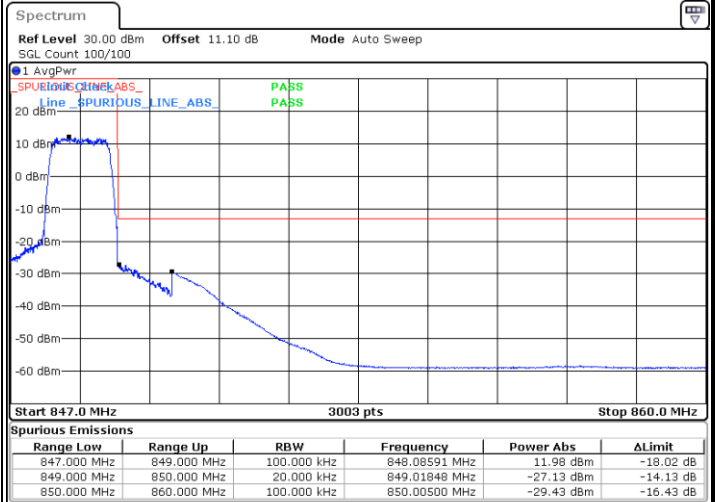
Date: 7.FEB.2022 09:33:27

Lowest Band Edge / Full RB



Date: 7.FEB.2022 09:24:47

Highest Band Edge / Full RB

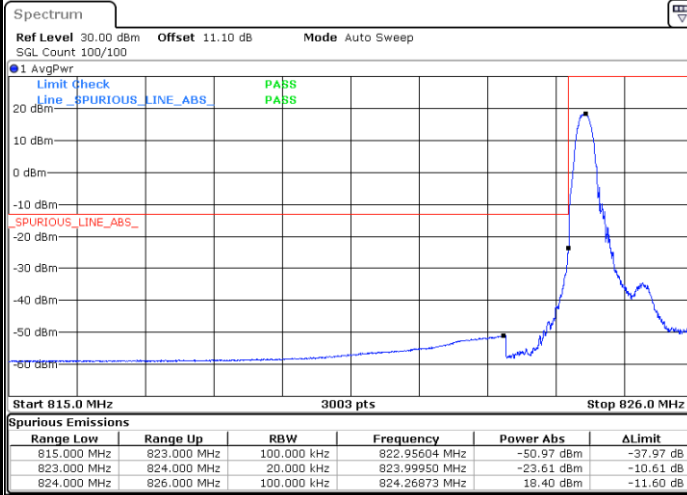


Date: 7.FEB.2022 09:36:48



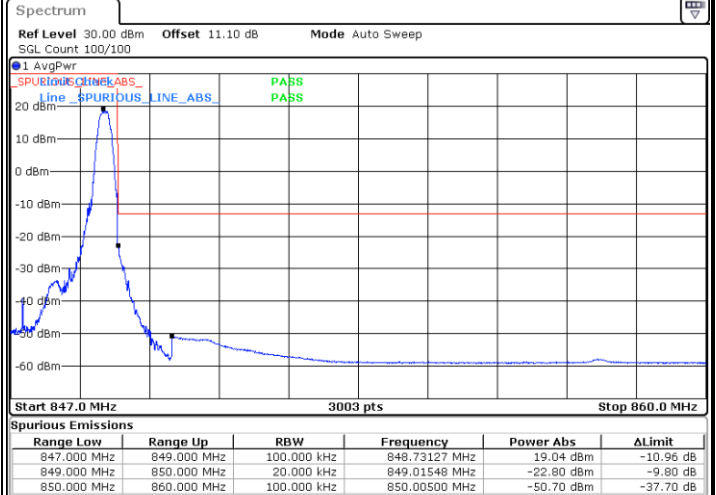
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



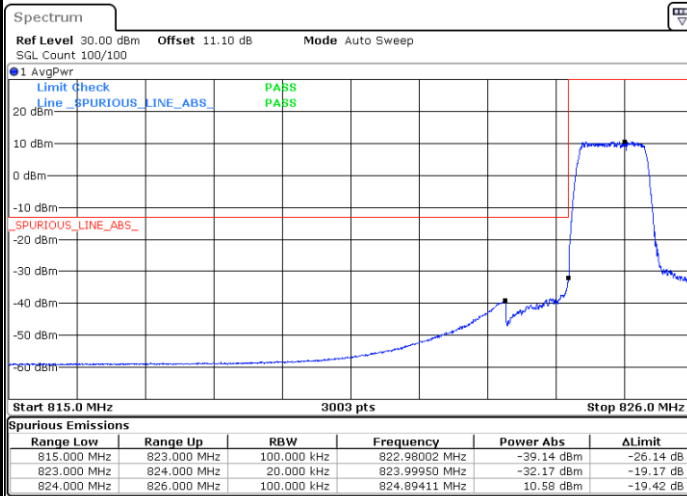
Date: 7.FEB.2022 09:22:16

Highest Band Edge / 1 RB



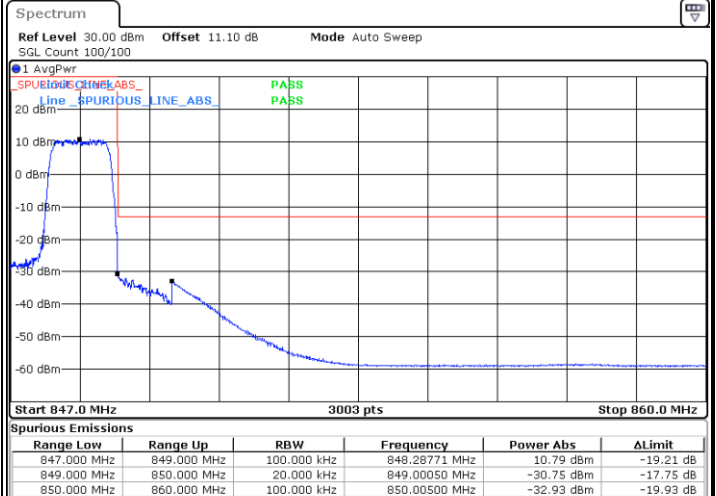
Date: 7.FEB.2022 09:34:17

Lowest Band Edge / Full RB



Date: 7.FEB.2022 09:25:39

Highest Band Edge / Full RB

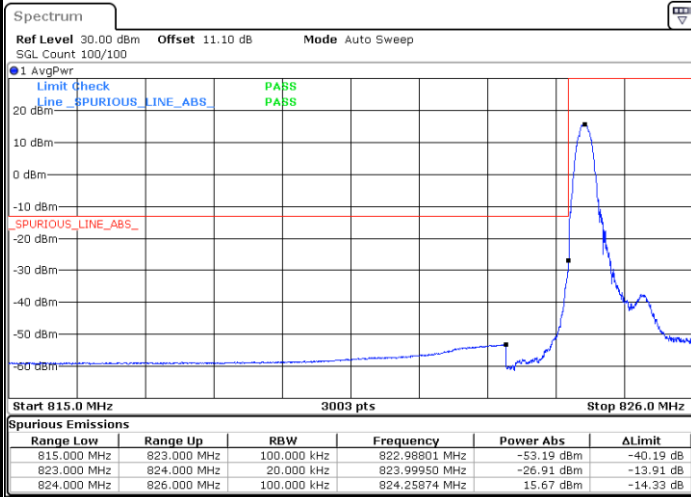


Date: 7.FEB.2022 09:37:39

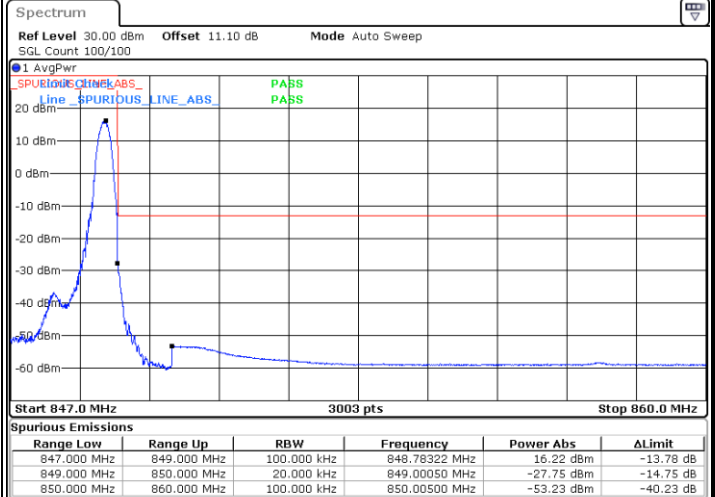


LTE Band 5 / 1.4MHz / 256QAM

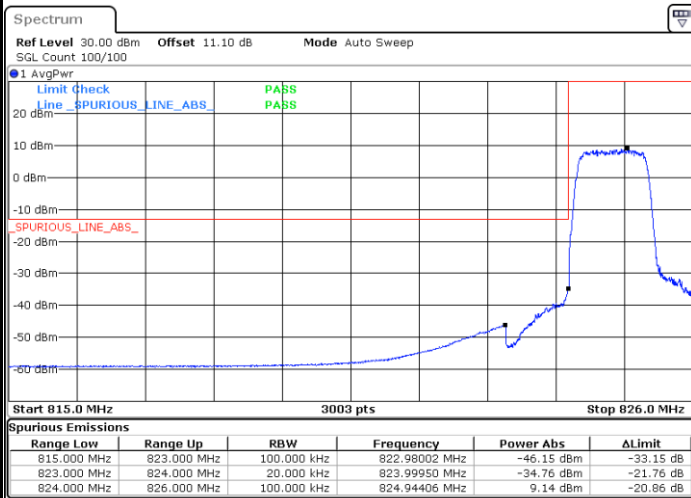
Lowest Band Edge / 1 RB



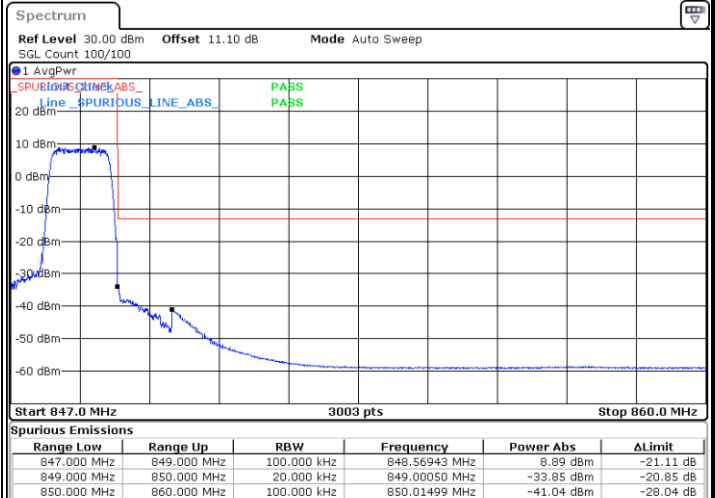
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



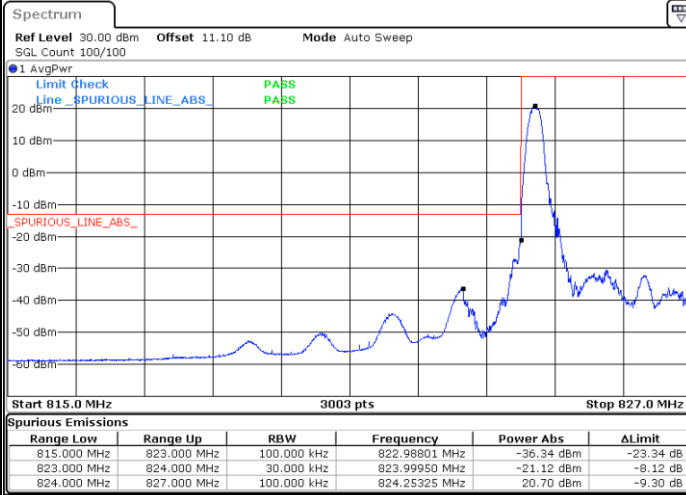
Highest Band Edge / Full RB





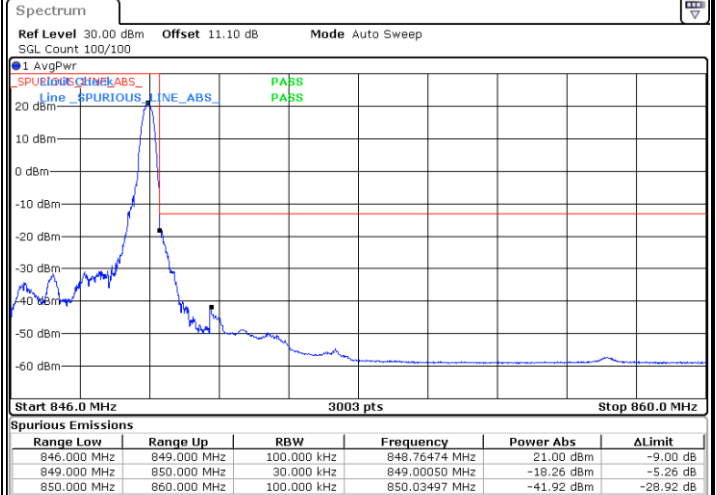
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



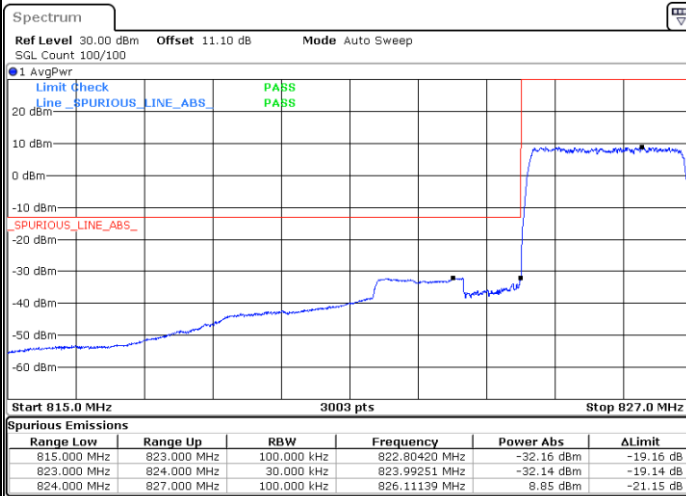
Date: 7.FEB.2022 09:50:01

Highest Band Edge / 1 RB



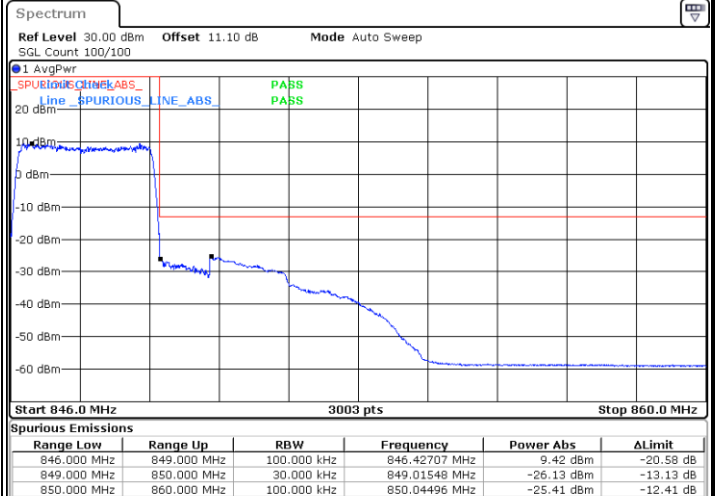
Date: 7.FEB.2022 10:03:13

Lowest Band Edge / Full RB



Date: 7.FEB.2022 09:54:33

Highest Band Edge / Full RB

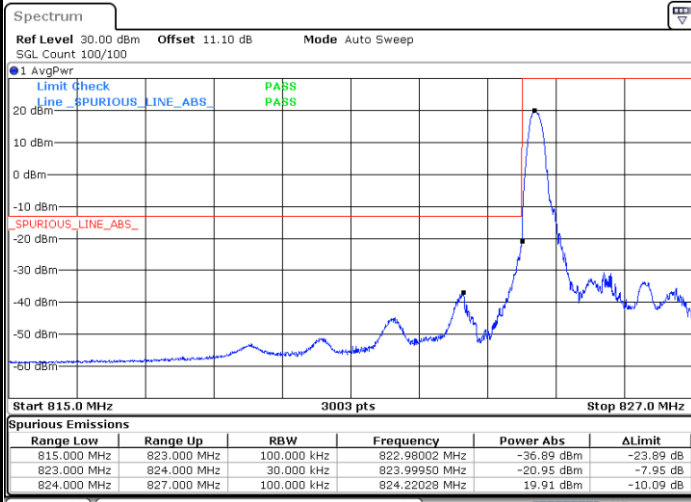


Date: 7.FEB.2022 10:06:34



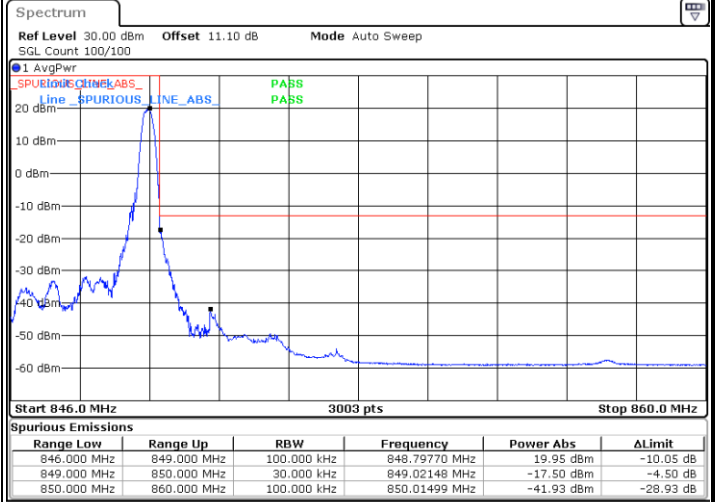
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



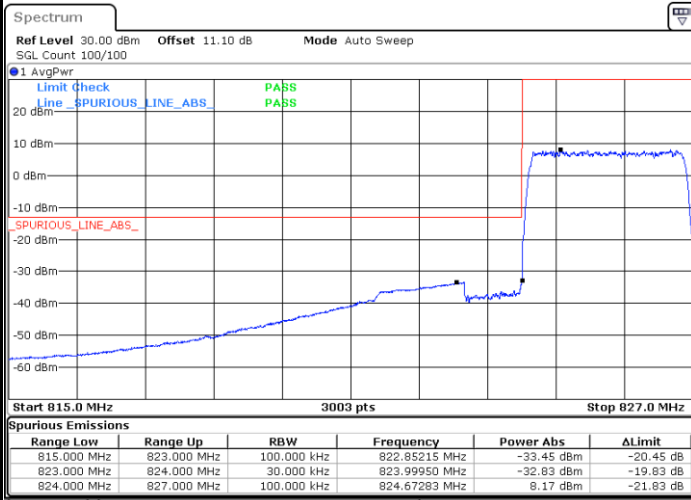
Date: 7.FEB.2022 09:52:01

Highest Band Edge / 1 RB



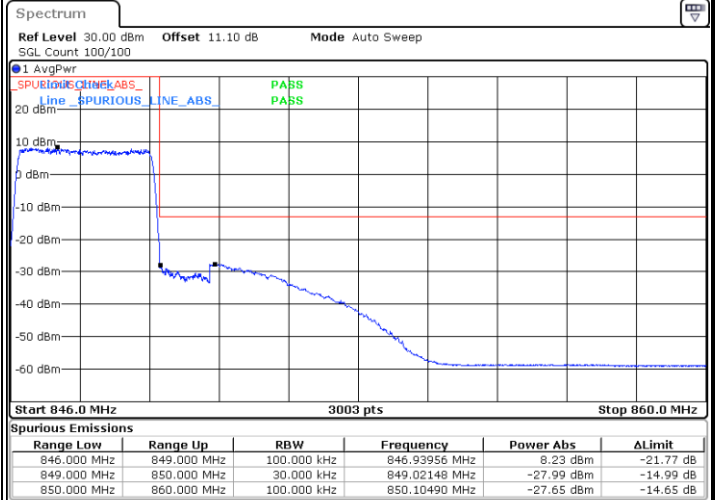
Date: 7.FEB.2022 10:04:03

Lowest Band Edge / Full RB



Date: 7.FEB.2022 09:55:23

Highest Band Edge / Full RB

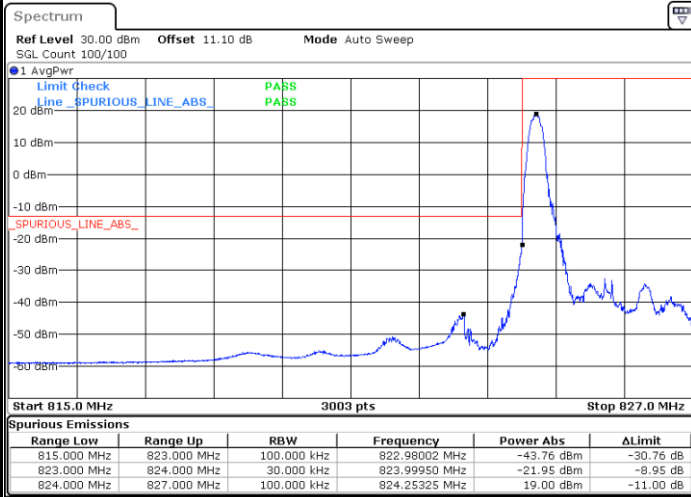


Date: 7.FEB.2022 10:07:24



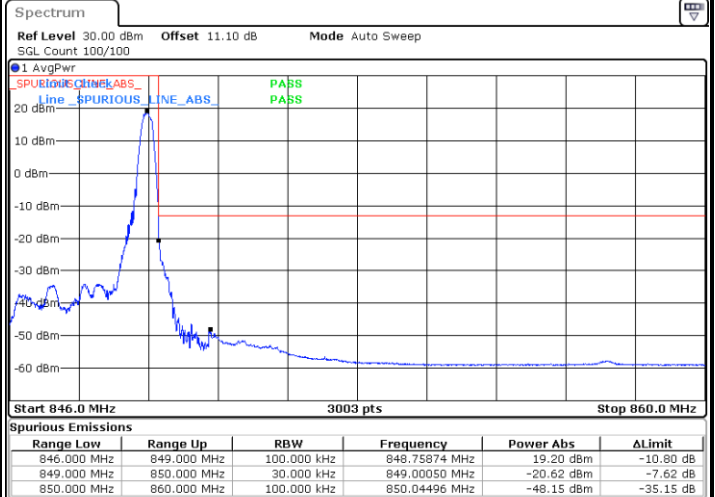
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



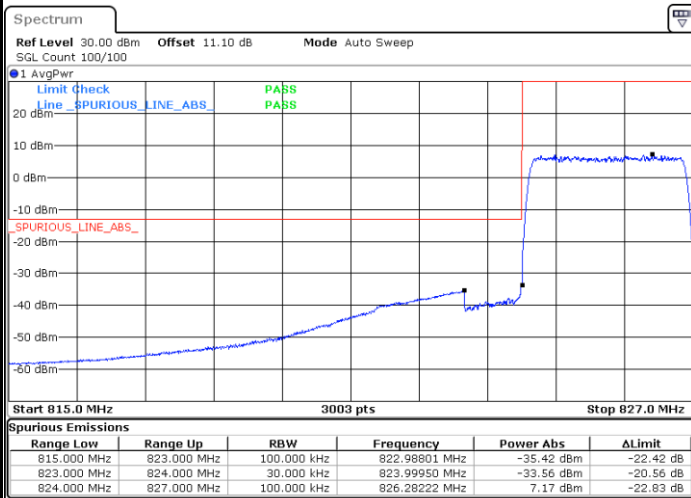
Date: 7.FEB.2022 09:52:52

Highest Band Edge / 1 RB



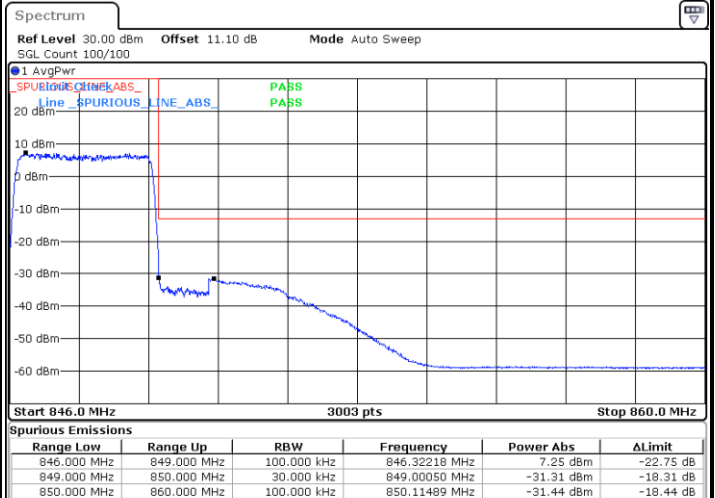
Date: 7.FEB.2022 10:04:53

Lowest Band Edge / Full RB



Date: 7.FEB.2022 09:56:14

Highest Band Edge / Full RB

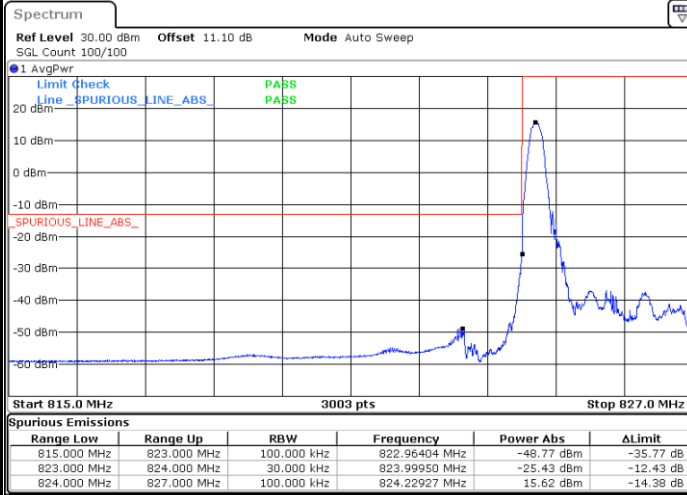


Date: 7.FEB.2022 10:08:15



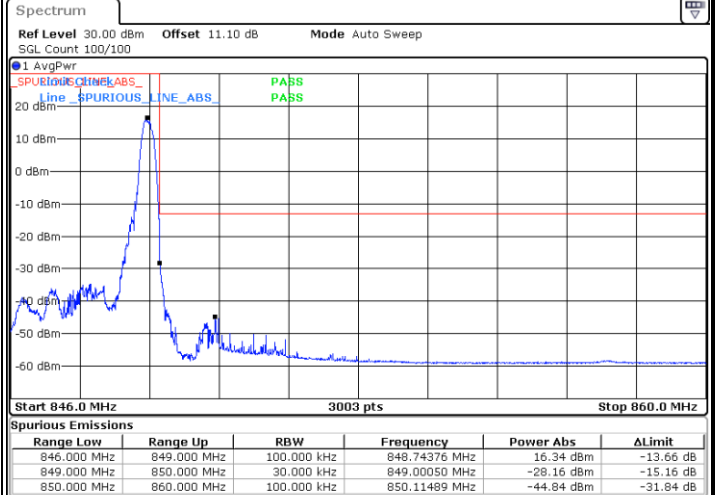
LTE Band 5 / 3MHz / 256QAM

Lowest Band Edge / 1 RB



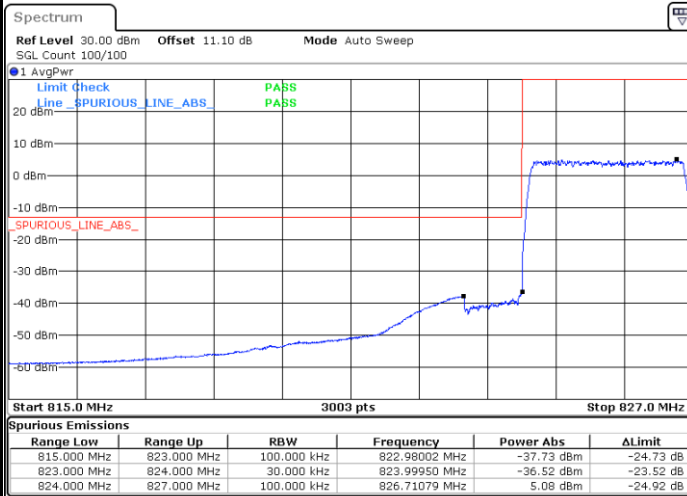
Date: 7.FEB.2022 09:53:42

Highest Band Edge / 1 RB



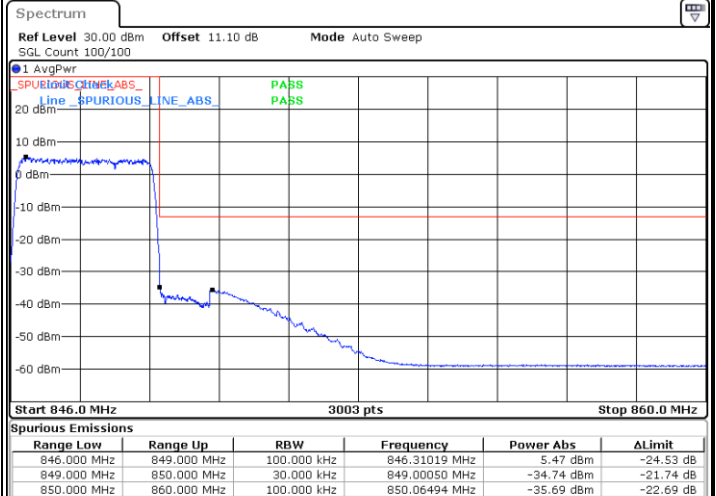
Date: 7.FEB.2022 10:05:44

Lowest Band Edge / Full RB



Date: 7.FEB.2022 09:57:04

Highest Band Edge / Full RB

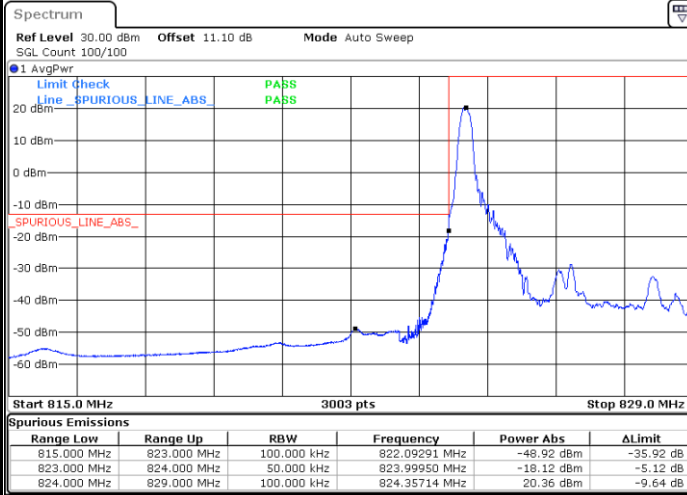


Date: 7.FEB.2022 10:09:05



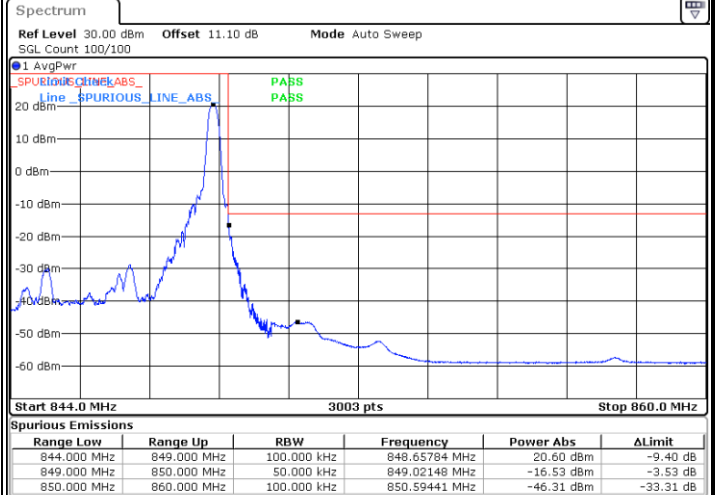
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



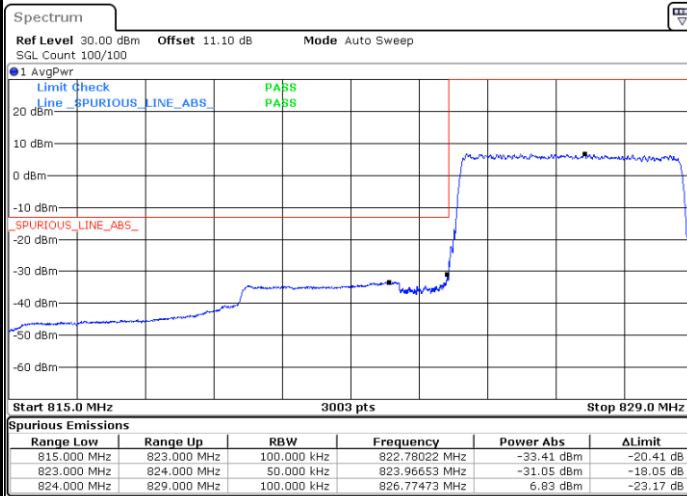
Date: 7.FEB.2022 10:11:34

Highest Band Edge / 1 RB



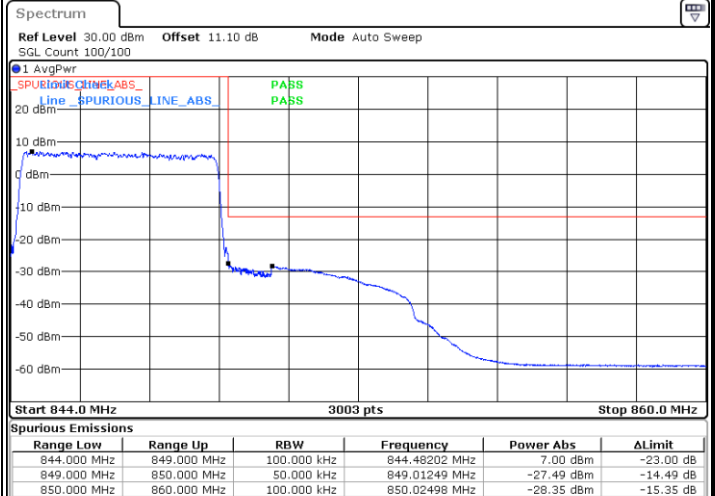
Date: 7.FEB.2022 10:24:44

Lowest Band Edge / Full RB



Date: 7.FEB.2022 10:16:05

Highest Band Edge / Full RB

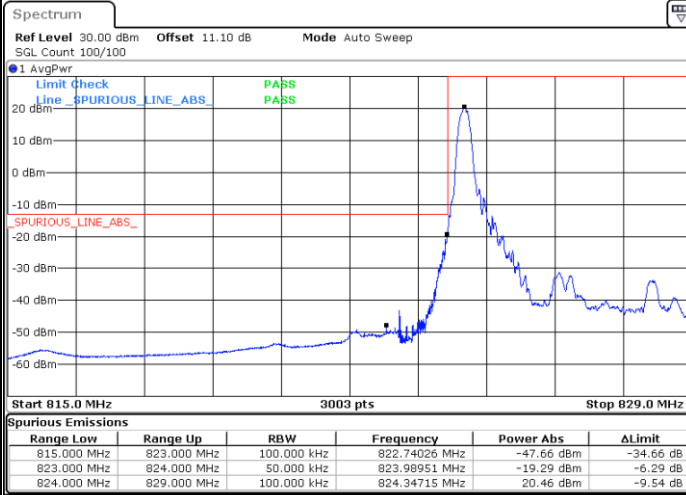


Date: 7.FEB.2022 10:28:05



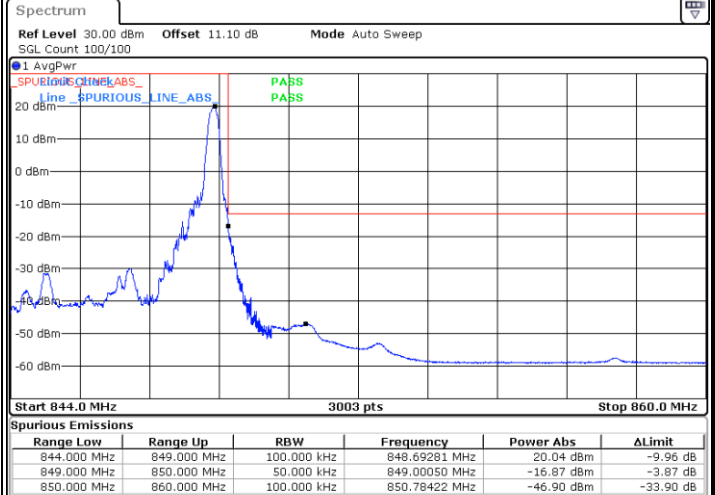
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



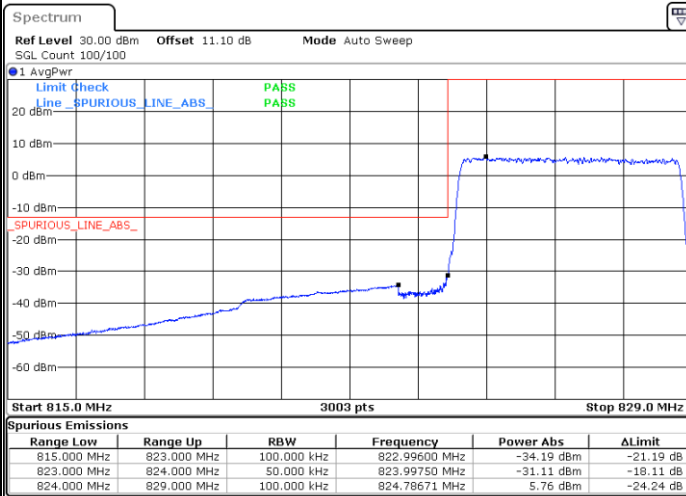
Date: 7.FEB.2022 10:13:34

Highest Band Edge / 1 RB



Date: 7.FEB.2022 10:25:35

Lowest Band Edge / Full RB



Date: 7.FEB.2022 10:16:56

Highest Band Edge / Full RB

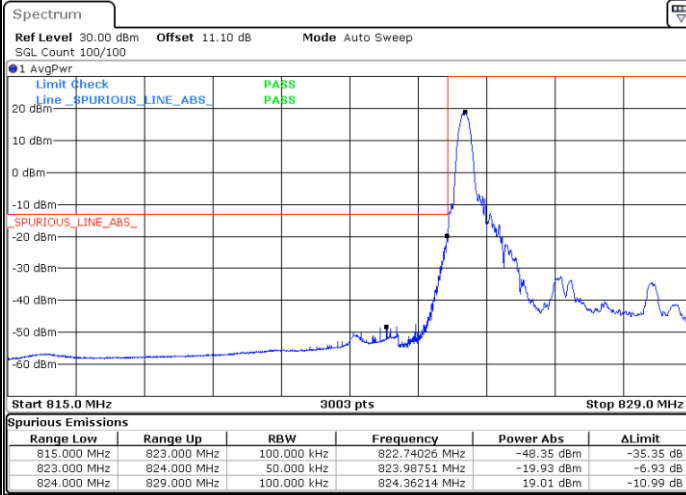


Date: 7.FEB.2022 10:28:55



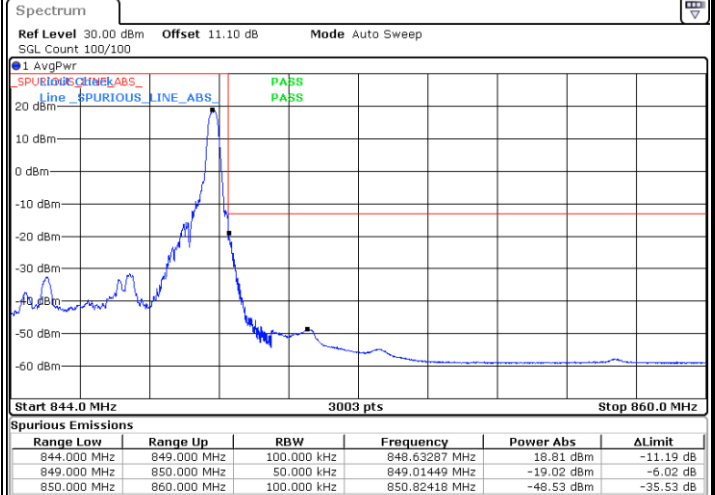
LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



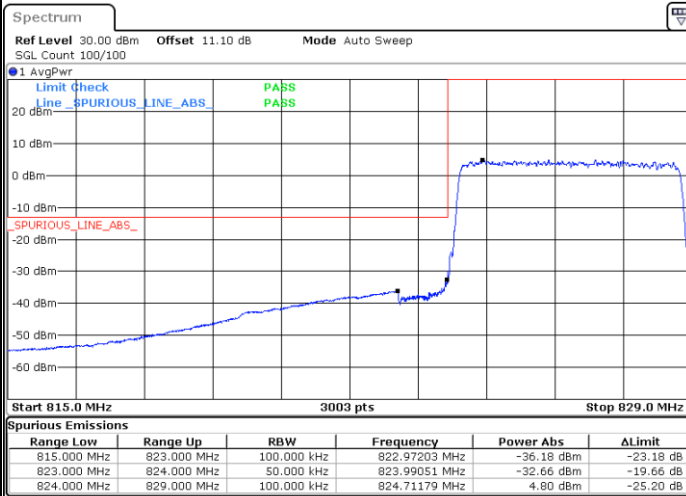
Date: 7.FEB.2022 10:14:25

Highest Band Edge / 1 RB



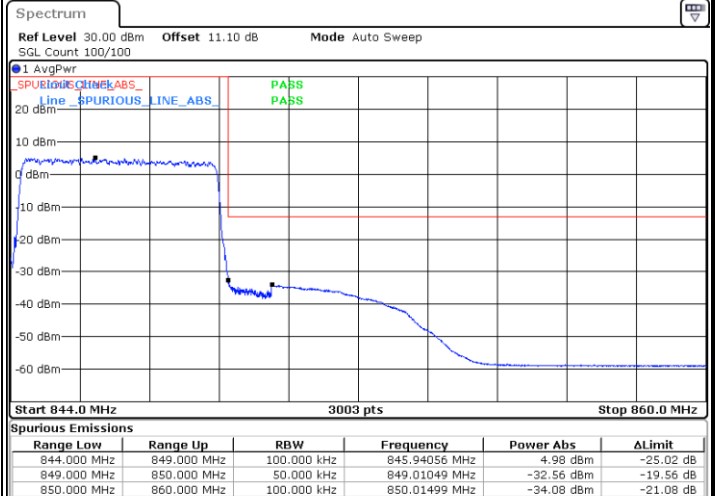
Date: 7.FEB.2022 10:26:25

Lowest Band Edge / Full RB



Date: 7.FEB.2022 10:17:46

Highest Band Edge / Full RB

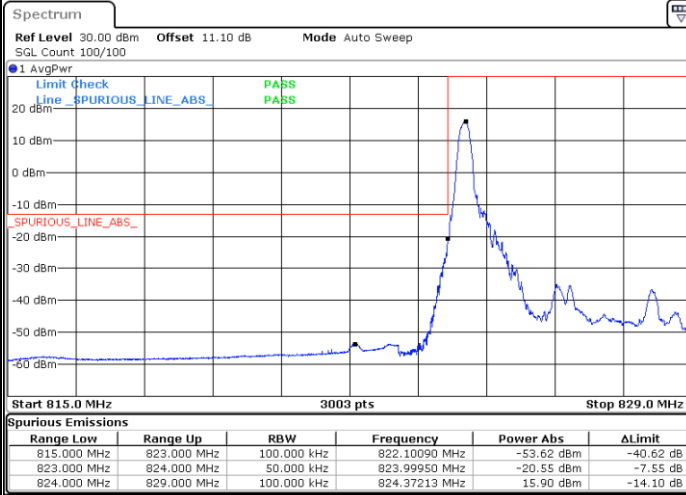


Date: 7.FEB.2022 10:29:45



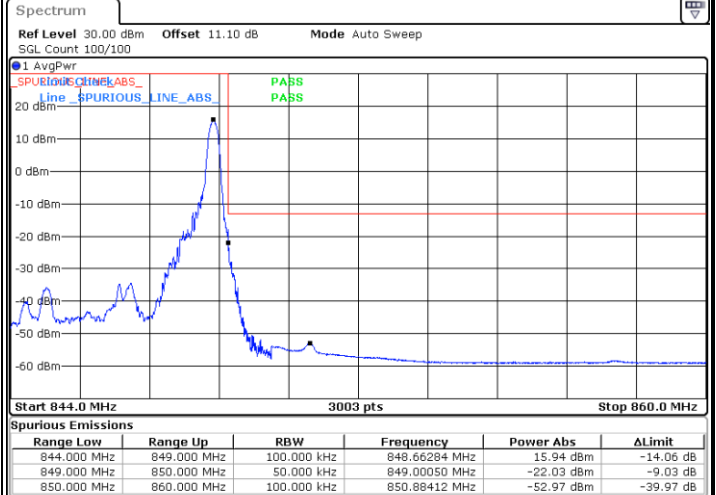
LTE Band 5 / 5MHz / 256QAM

Lowest Band Edge / 1RB



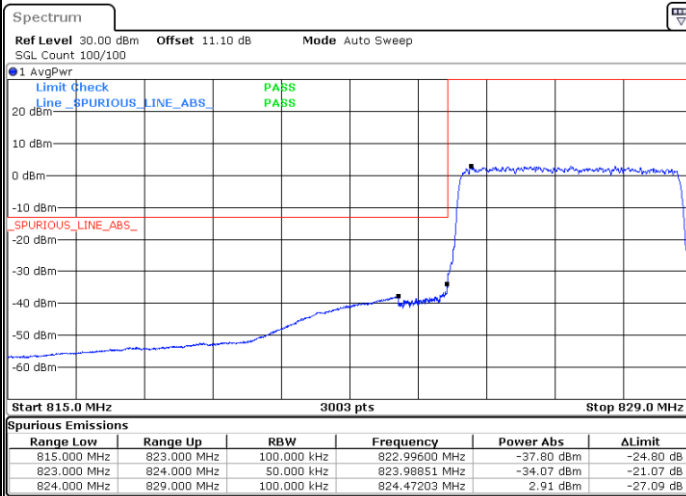
Date: 7.FEB.2022 10:15:15

Highest Band Edge / 1 RB



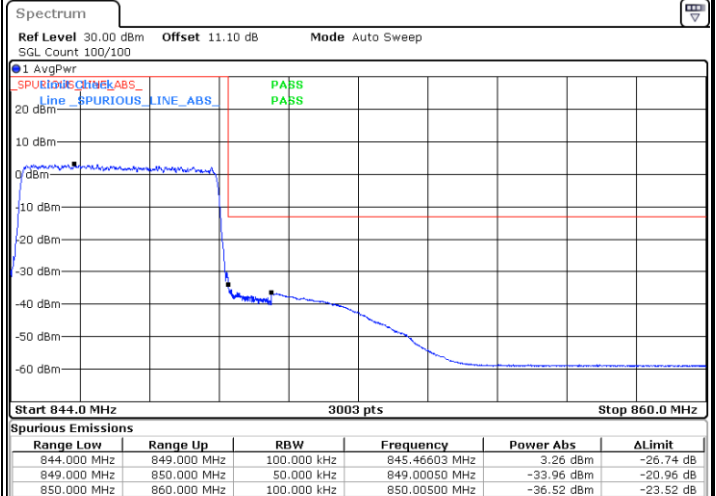
Date: 7.FEB.2022 10:27:15

Lowest Band Edge / Full RB



Date: 7.FEB.2022 10:18:36

Highest Band Edge / Full RB

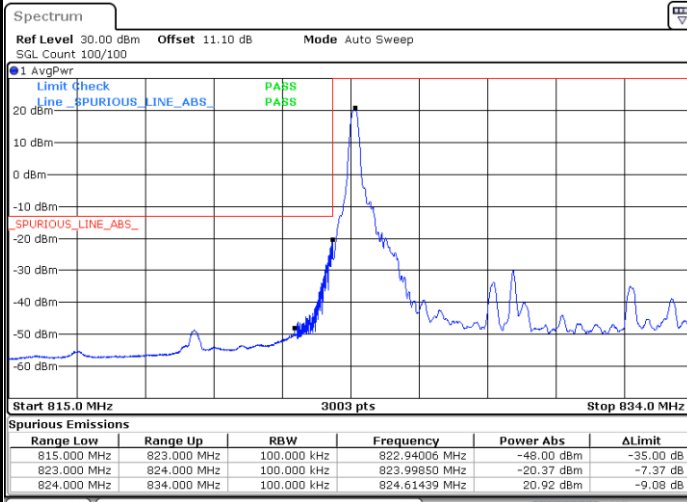


Date: 7.FEB.2022 10:30:36



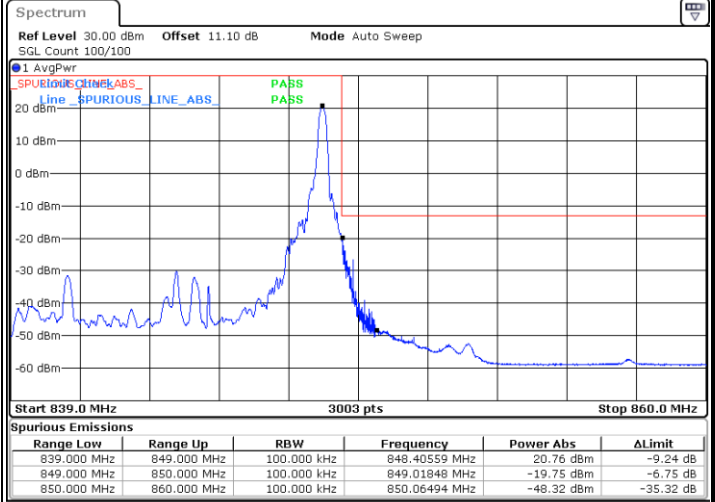
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



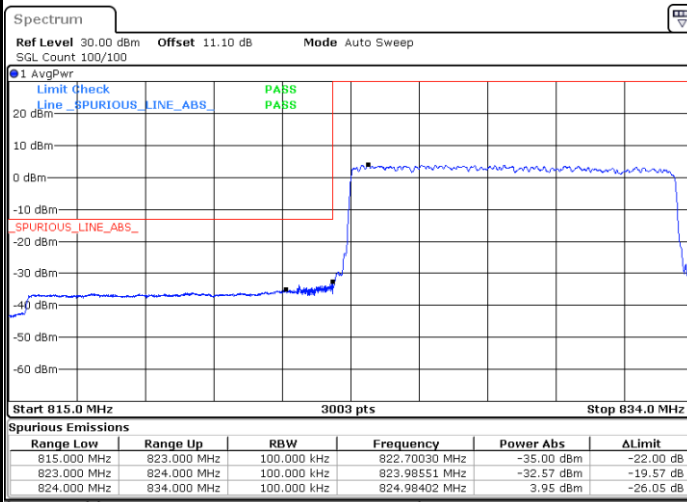
Date: 7.FEB.2022 10:32:16

Highest Band Edge / 1 RB



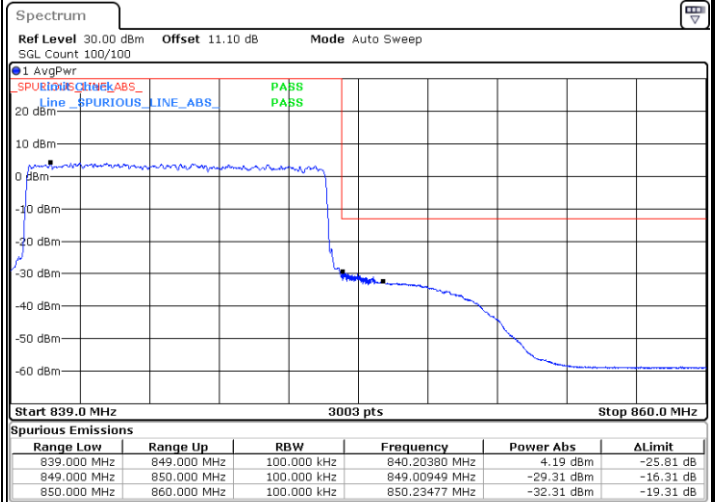
Date: 7.FEB.2022 10:46:41

Lowest Band Edge / Full RB



Date: 7.FEB.2022 10:36:47

Highest Band Edge / Full RB

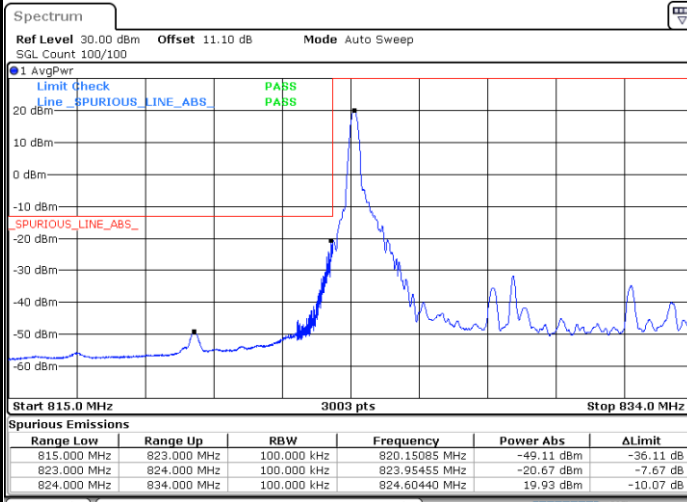


Date: 7.FEB.2022 10:50:02



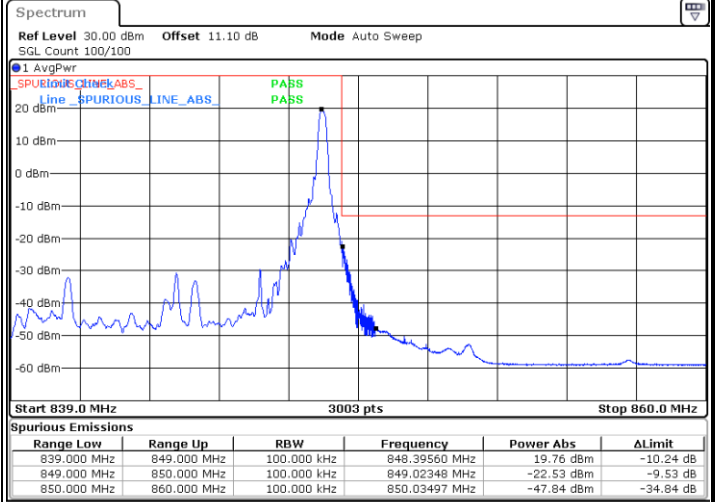
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



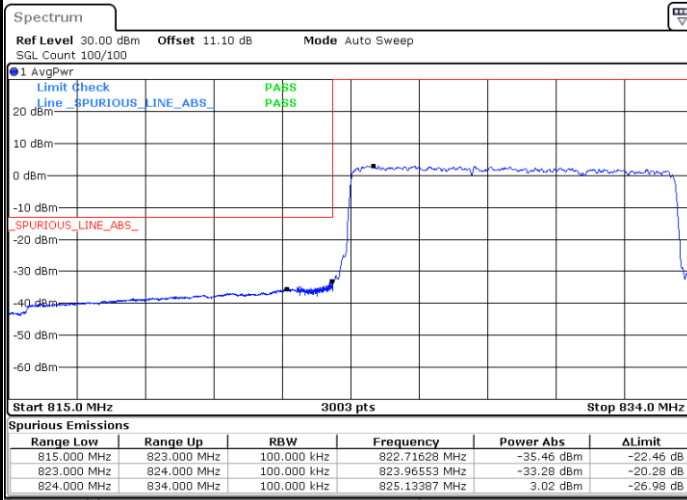
Date: 7.FEB.2022 10:34:17

Highest Band Edge / 1 RB



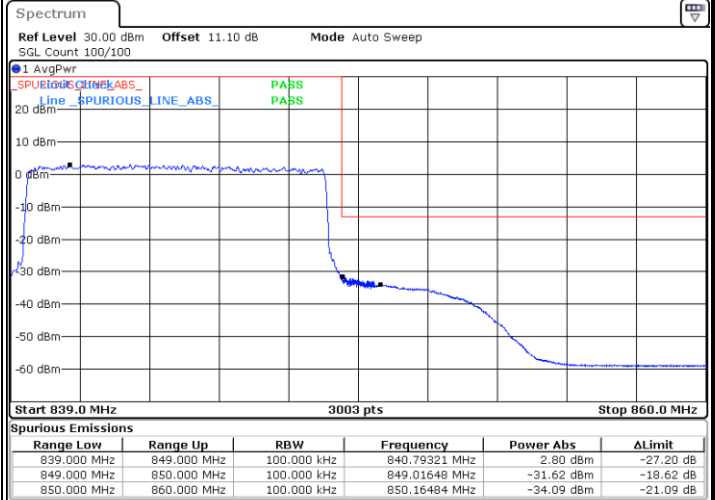
Date: 7.FEB.2022 10:47:31

Lowest Band Edge / Full RB



Date: 7.FEB.2022 10:37:38

Highest Band Edge / Full RB

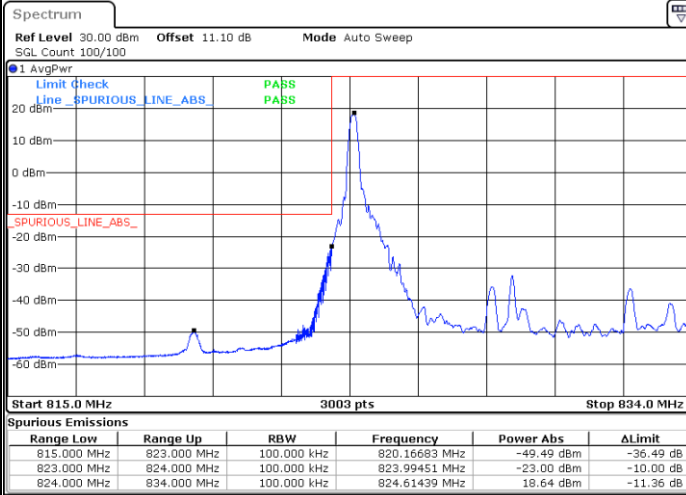


Date: 7.FEB.2022 10:50:52



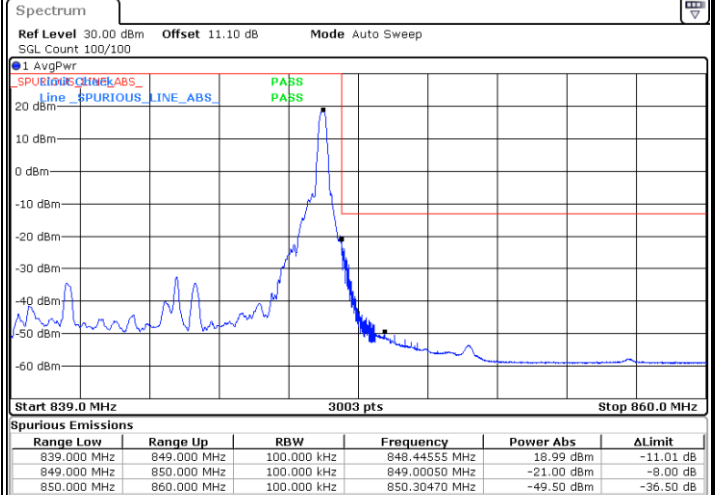
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



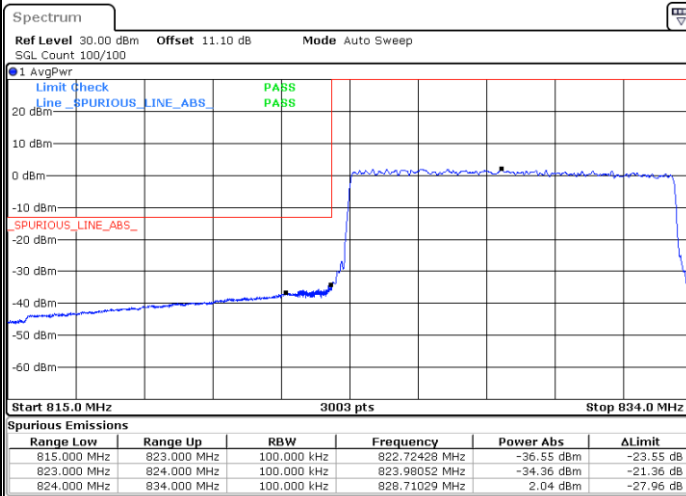
Date: 7.FEB.2022 10:35:07

Highest Band Edge / 1 RB



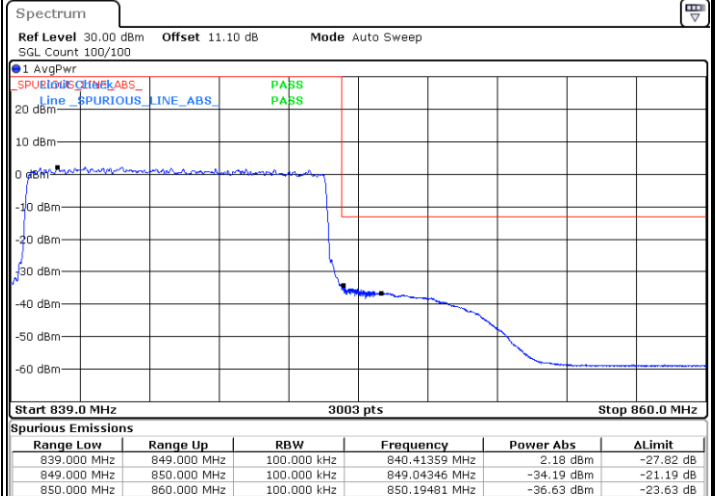
Date: 7.FEB.2022 10:48:21

Lowest Band Edge / Full RB



Date: 7.FEB.2022 10:38:28

Highest Band Edge / Full RB

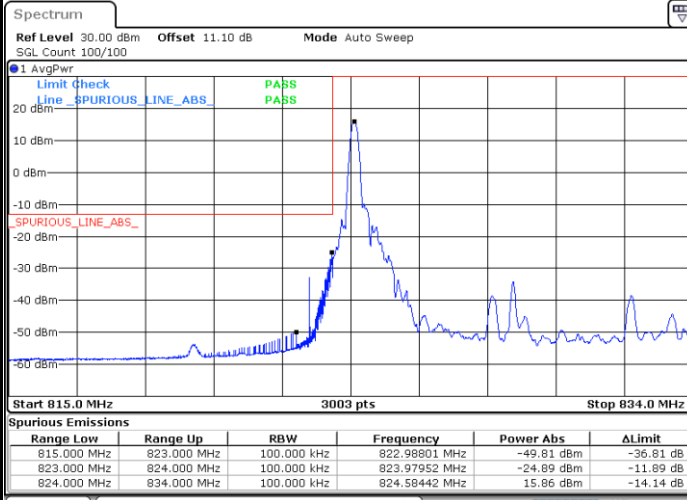


Date: 7.FEB.2022 10:51:42



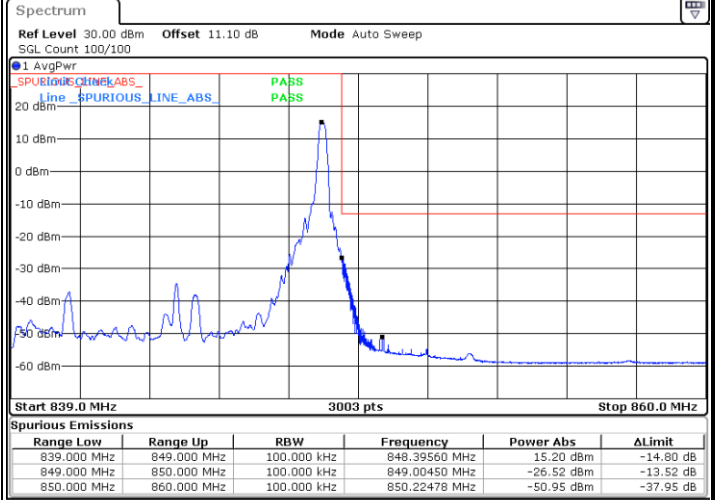
LTE Band 5 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



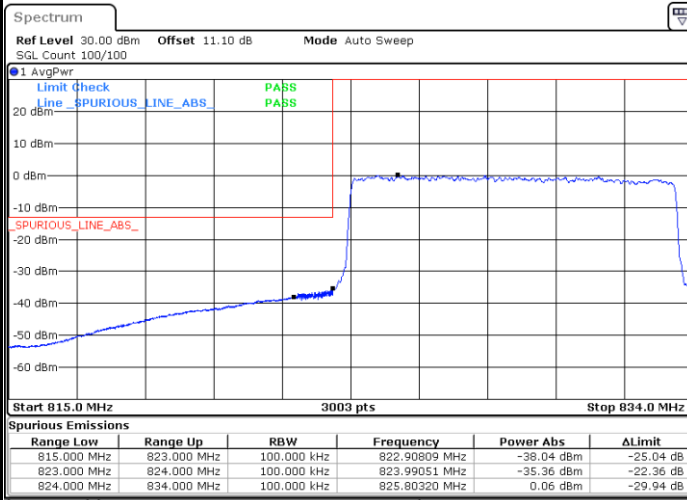
Date: 7.FEB.2022 10:35:57

Highest Band Edge / 1 RB



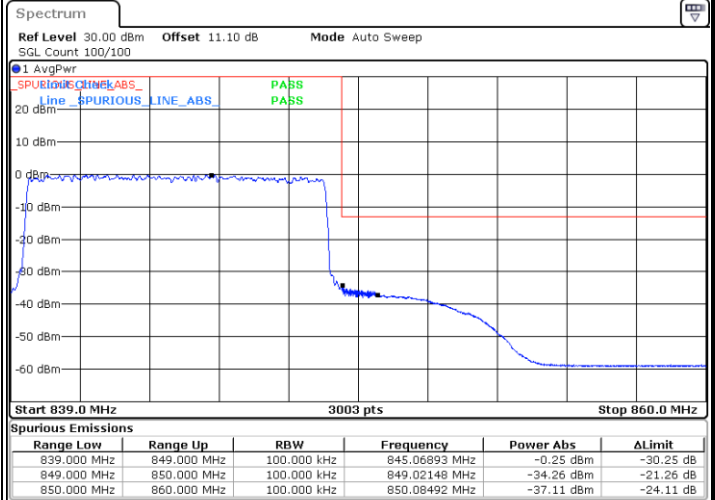
Date: 7.FEB.2022 10:49:11

Lowest Band Edge / Full RB



Date: 7.FEB.2022 10:39:18

Highest Band Edge / Full RB



Date: 7.FEB.2022 10:52:33

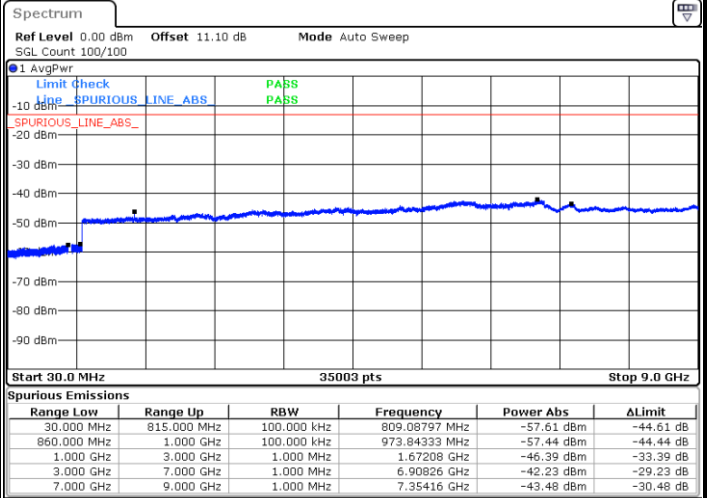
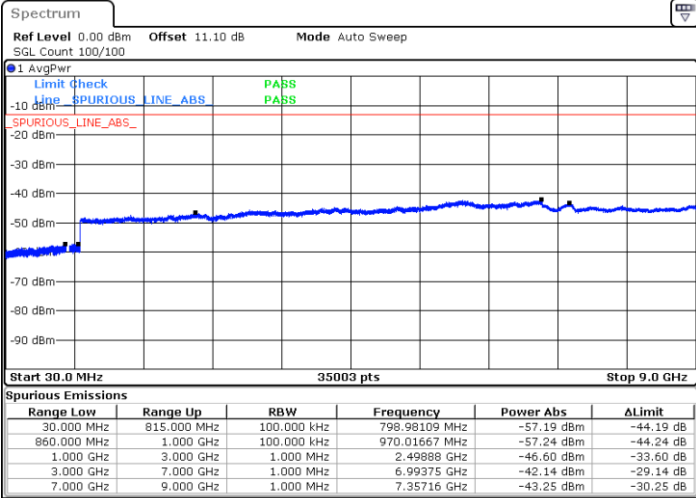


Conducted Spurious Emission

LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

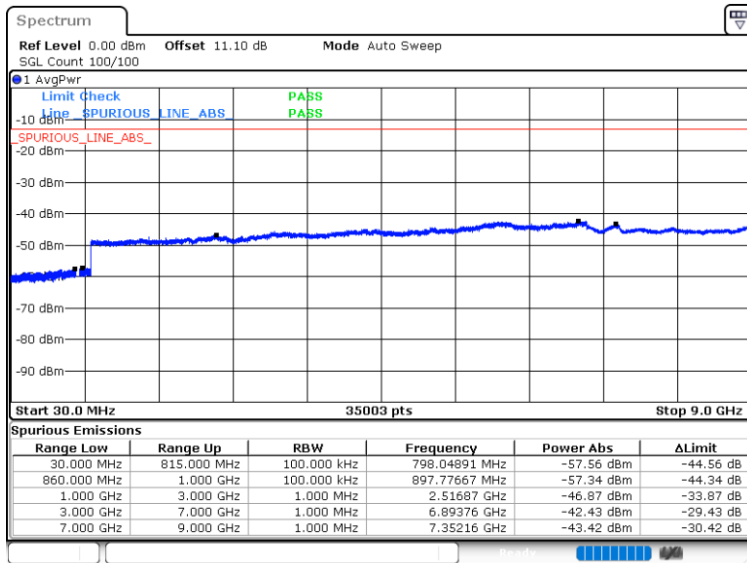
Middle Channel / QPSK



Date: 7.FEB.2022 09:20:35

Date: 7.FEB.2022 09:30:36

Highest Channel / QPSK



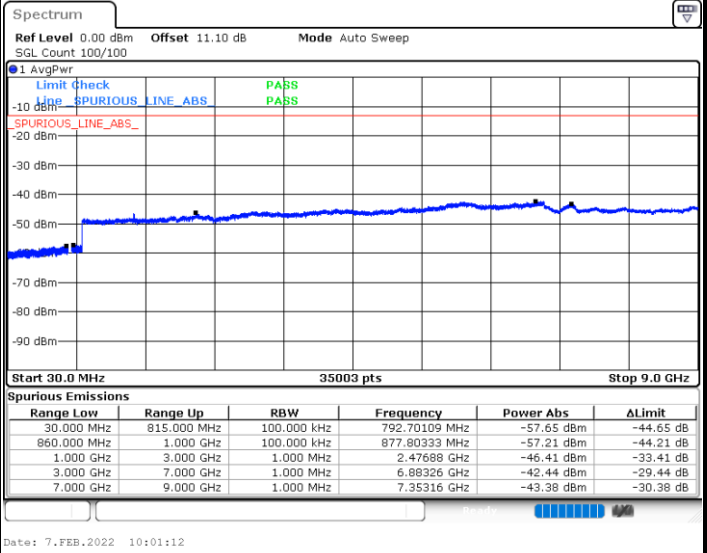
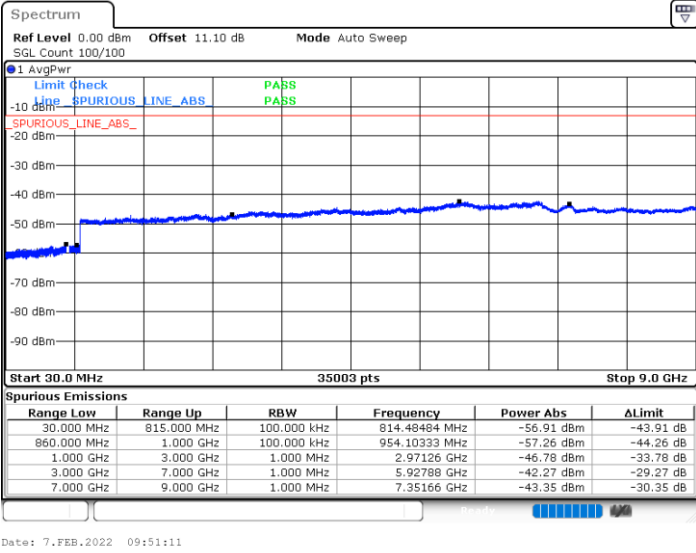
Date: 7.FEB.2022 09:31:46



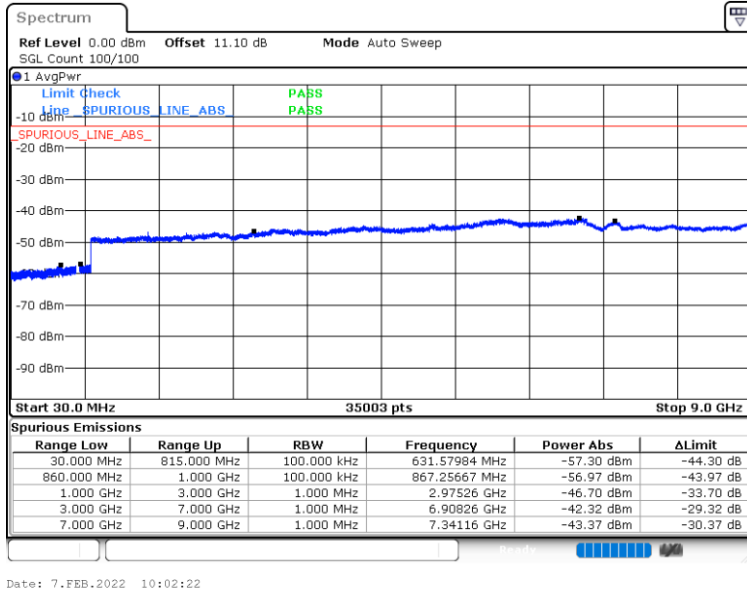
LTE Band 5 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

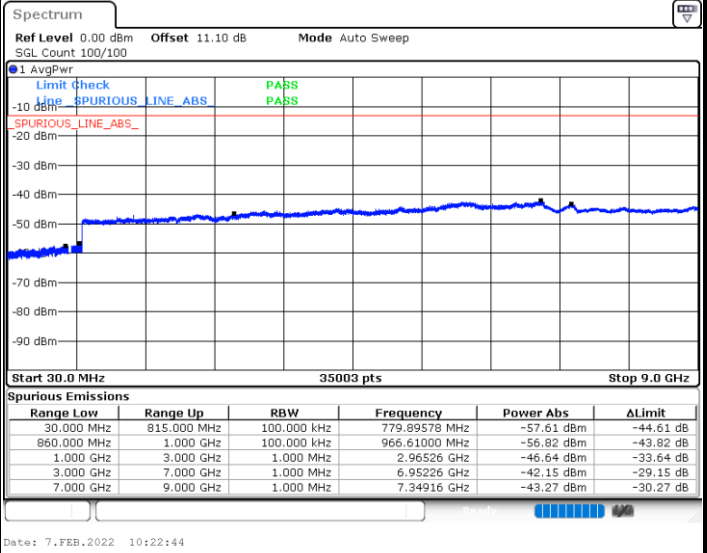
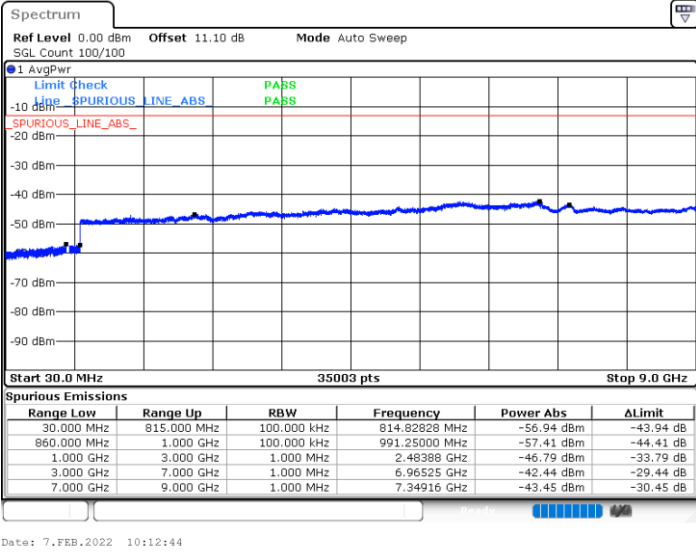




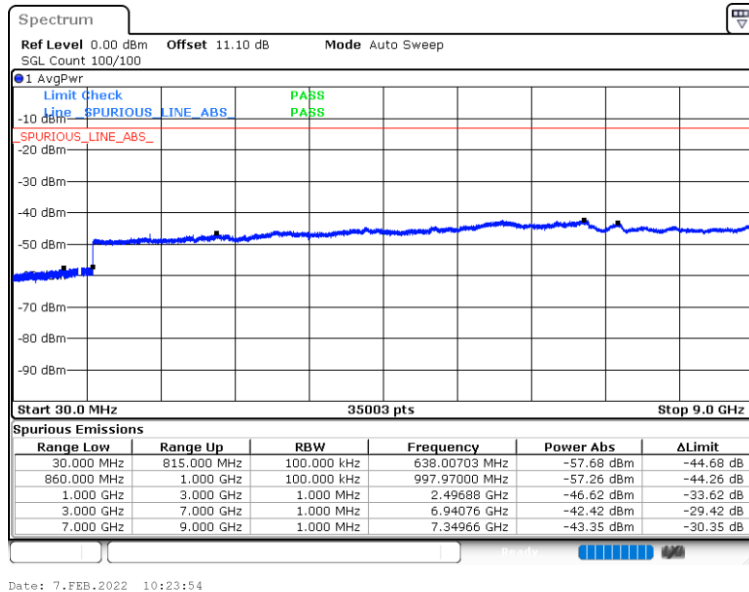
LTE Band 5 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

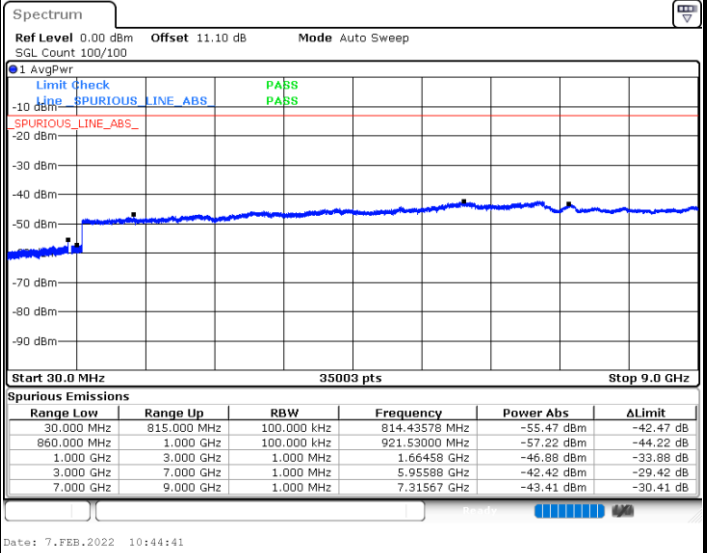
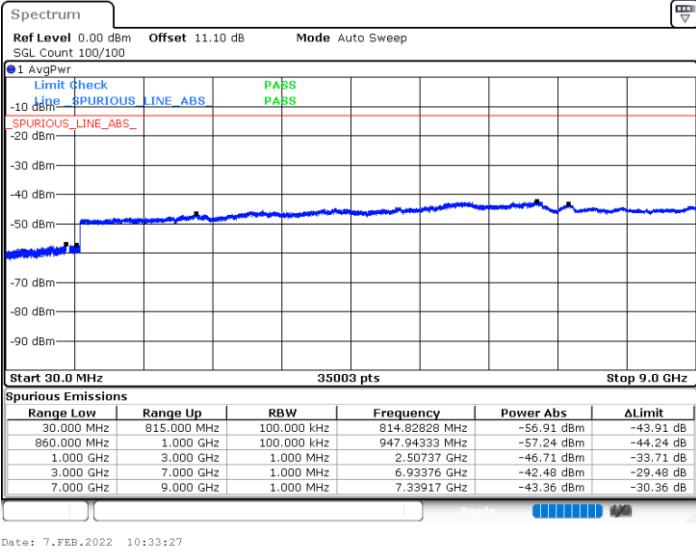




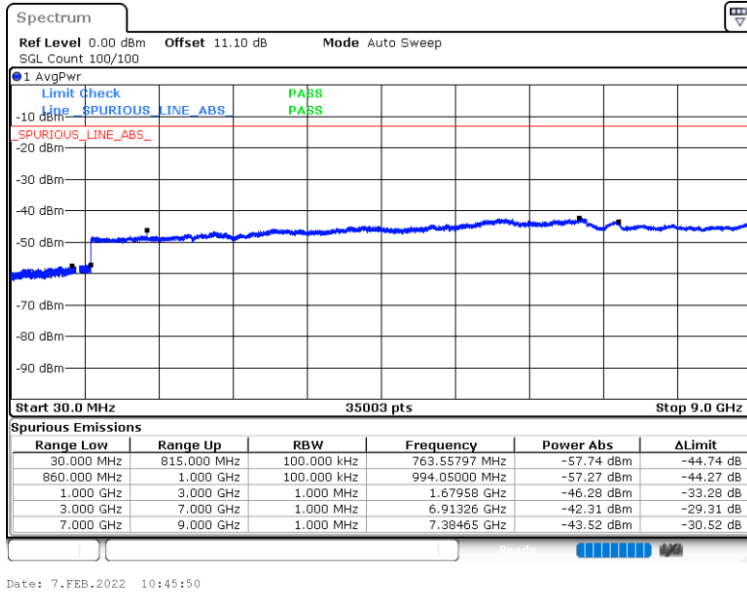
LTE Band 5 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





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	0.0087	PASS
40	Normal Voltage	0.0084	
30	Normal Voltage	0.0036	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0032	
0	Normal Voltage	0.0148	
-10	Normal Voltage	0.0056	
-20	Normal Voltage	0.0213	
-30	Normal Voltage	0.0090	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0184	
20	Battery End Point	0.0002	

Note:

- 1. Normal Voltage =4.2 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.3 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	8.15	8.12	14.63
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.60	19.98	-

Mode	LTE Band 5B : 26dB BW(MHz)		
16QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	8.07	8.20	14.54
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.63	19.74	-

Mode	LTE Band 5B : 26dB BW(MHz)		
64QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	8.06	8.14	14.51
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.75	19.78	-

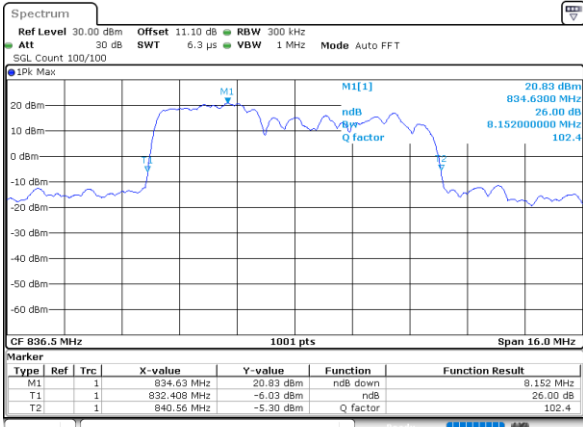
Mode	LTE Band 5B : 26dB BW(MHz)		
256QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	8.15	8.17	14.54
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.51	19.82	-



LTE Band 5B

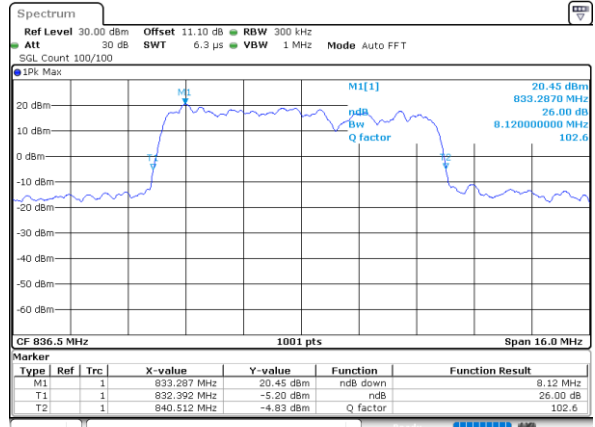
QPSK

Middle Channel / 3MHz+5MHz



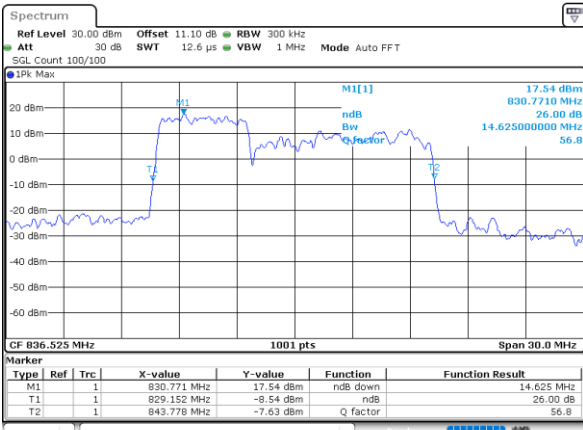
Date: 7.FEB.2022 19:21:34

Middle Channel / 5MHz+3MHz



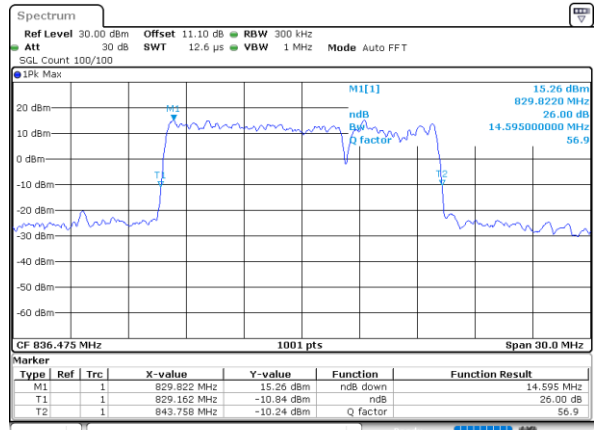
Date: 7.FEB.2022 19:49:08

Middle Channel / 5MHz+10MHz



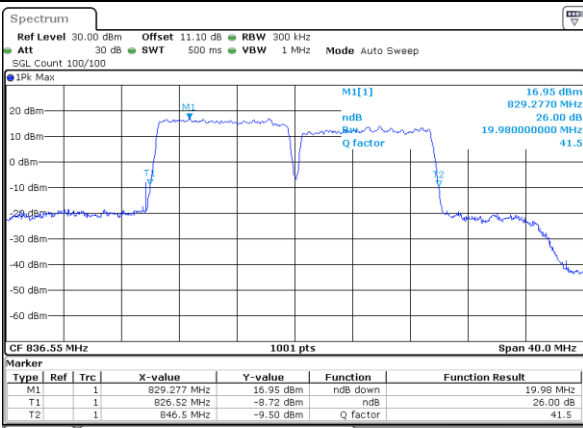
Date: 7.FEB.2022 20:19:47

Middle Channel / 10MHz+5MHz



Date: 7.FEB.2022 20:48:13

Middle Channel / 10MHz+10MHz



Date: 7.FEB.2022 21:26:57

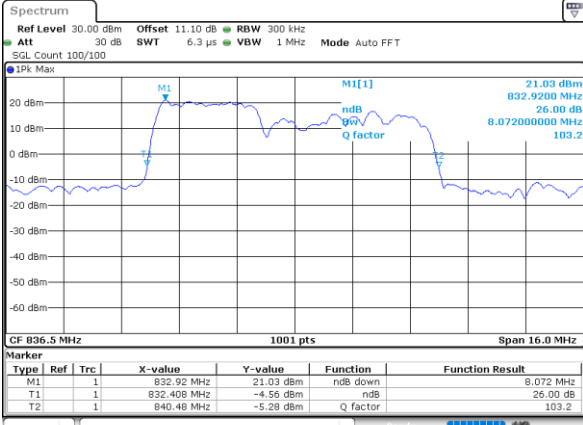
N/A



LTE Band 5B

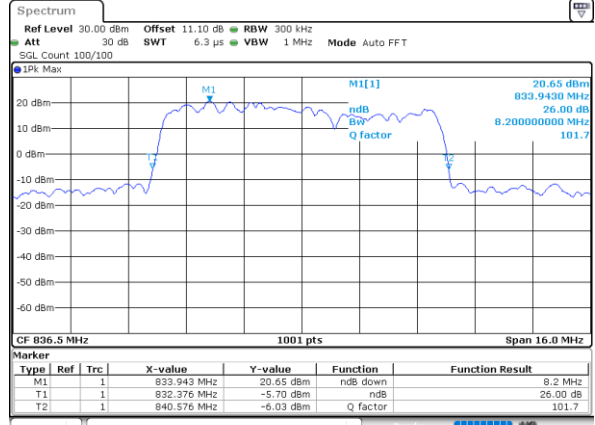
16QAM

Middle Channel / 3MHz+5MHz



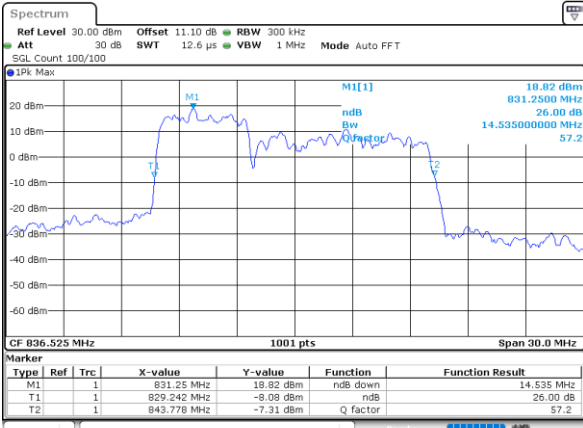
Date: 7.FEB.2022 19:21:06

Middle Channel / 5MHz+3MHz



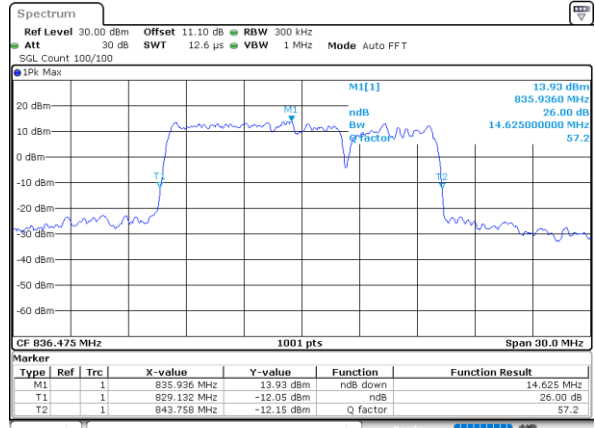
Date: 7.FEB.2022 19:48:41

Middle Channel / 5MHz+10MHz



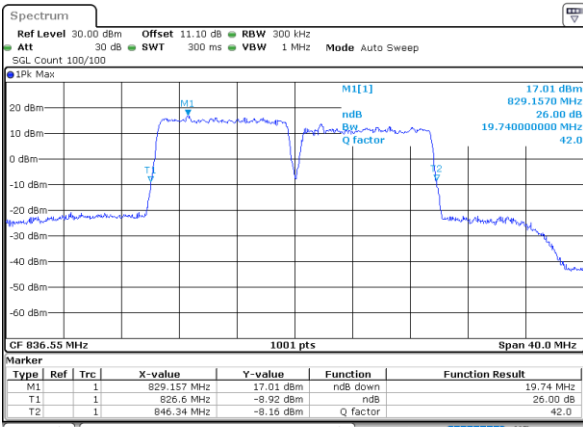
Date: 7.FEB.2022 20:19:20

Middle Channel / 10MHz+5MHz



Date: 7.FEB.2022 20:47:46

Middle Channel / 10MHz+10MHz



Date: 7.FEB.2022 21:28:34

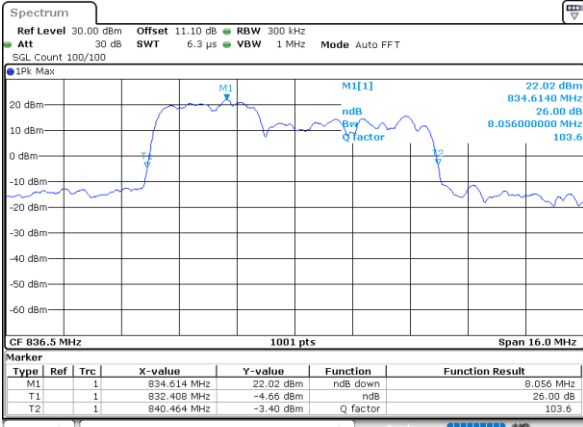
N/A



LTE Band 5B

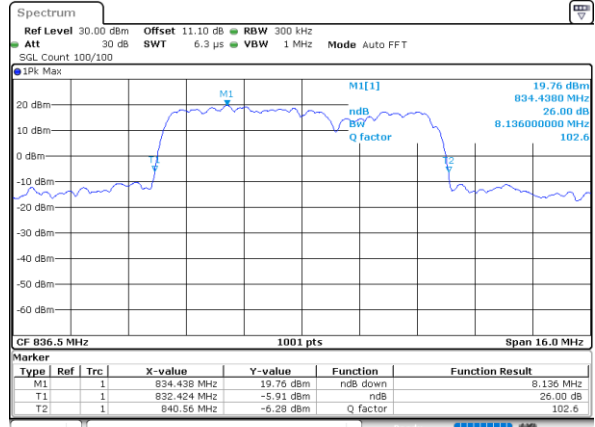
64QAM

Middle Channel / 3MHz+5MHz



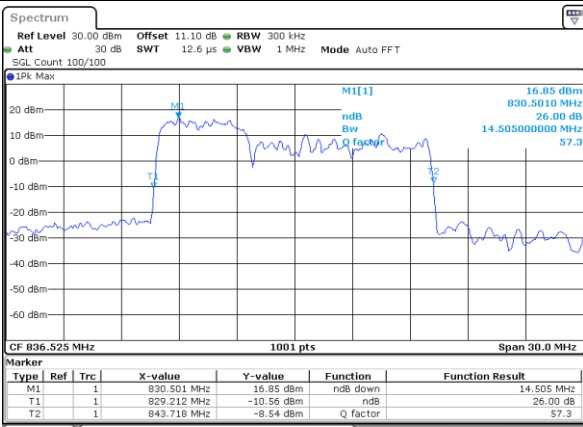
Date: 7.FEB.2022 19:20:39

Middle Channel / 5MHz+3MHz



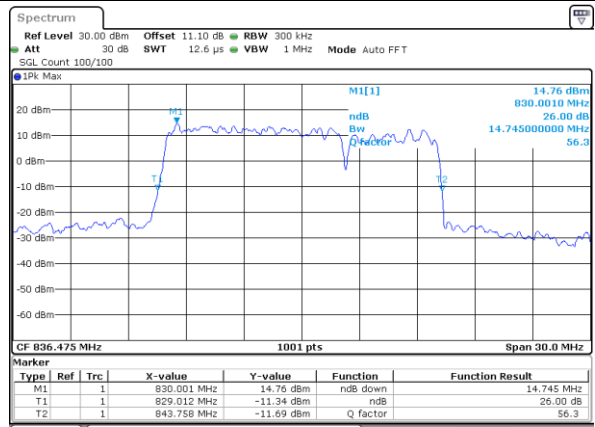
Date: 7.FEB.2022 19:48:13

Middle Channel / 5MHz+10MHz



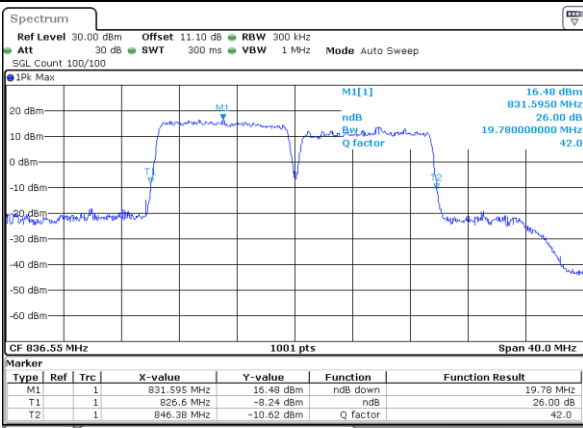
Date: 7.FEB.2022 20:18:52

Middle Channel / 10MHz+5MHz



Date: 7.FEB.2022 20:47:19

Middle Channel / 10MHz+10MHz



Date: 7.FEB.2022 21:32:21

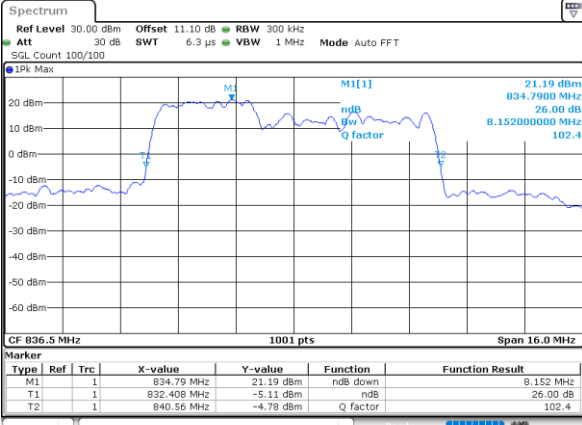
N/A



LTE Band 5B

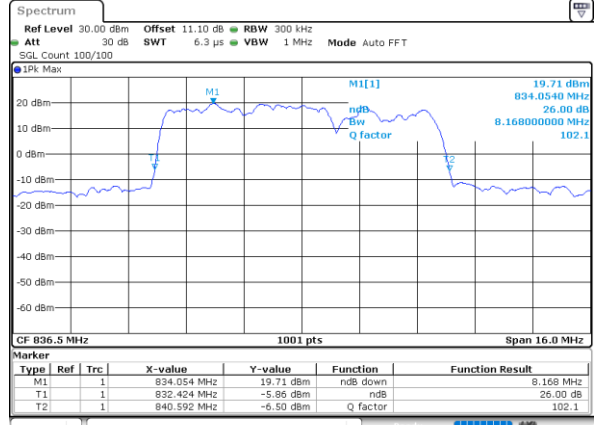
256QAM

Middle Channel / 3MHz+5MHz



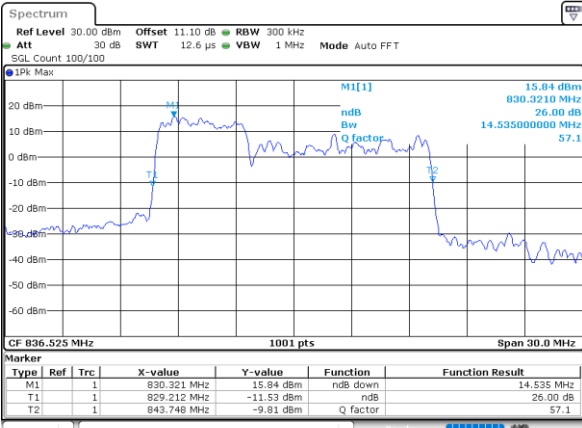
Date: 7.FEB.2022 22:33:49

Middle Channel / 5MHz+3MHz



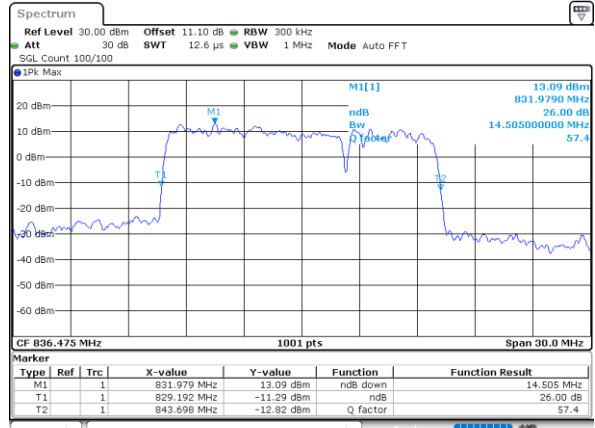
Date: 7.FEB.2022 22:18:04

Middle Channel / 5MHz+10MHz



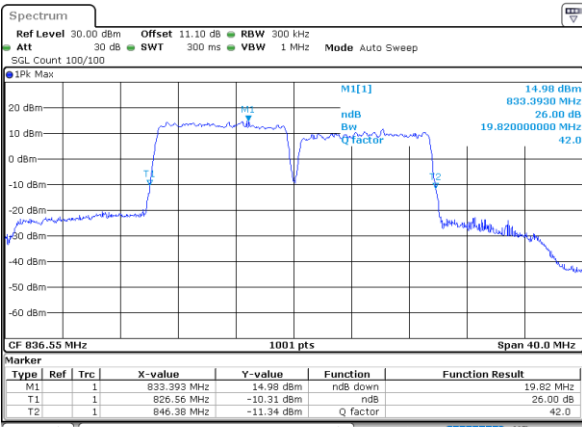
Date: 7.FEB.2022 22:06:22

Middle Channel / 10MHz+5MHz



Date: 7.FEB.2022 21:53:44

Middle Channel / 10MHz+10MHz



Date: 7.FEB.2022 21:34:09

N/A



Occupied Bandwidth

Mode	LTE Band 5B : 99%OBW(MHz)		
QPSK			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.53	7.61	13.82
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.88	18.78	-

Mode	LTE Band 5B : 99%OBW(MHz)		
16QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.56	7.69	13.73
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.88	18.62	-

Mode	LTE Band 5B : 99%OBW(MHz)		
64QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.45	7.58	13.85
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.79	18.70	-

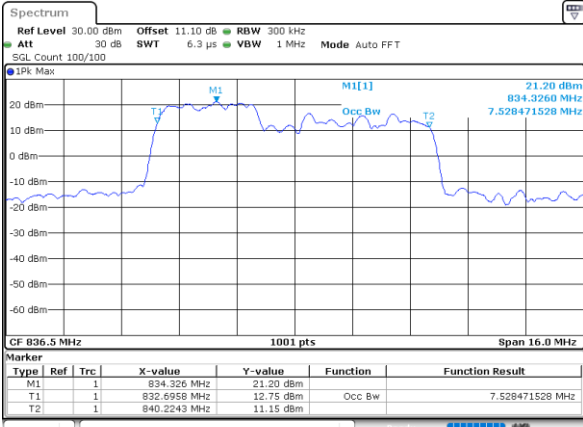
Mode	LTE Band 5B : 99%OBW(MHz)		
254QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.42	7.54	13.82
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.85	18.78	-



LTE Band 5B

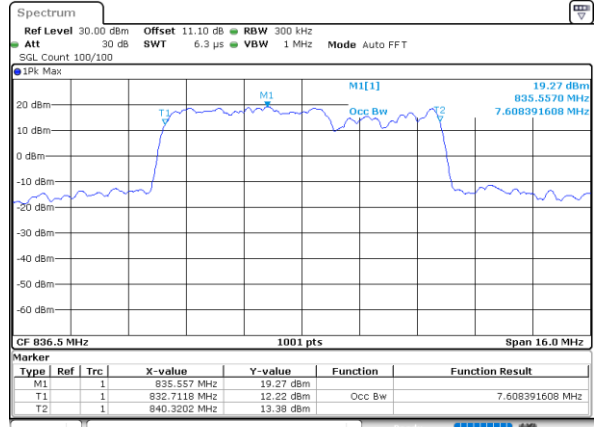
QPSK

Middle Channel / 3MHz+5MHz



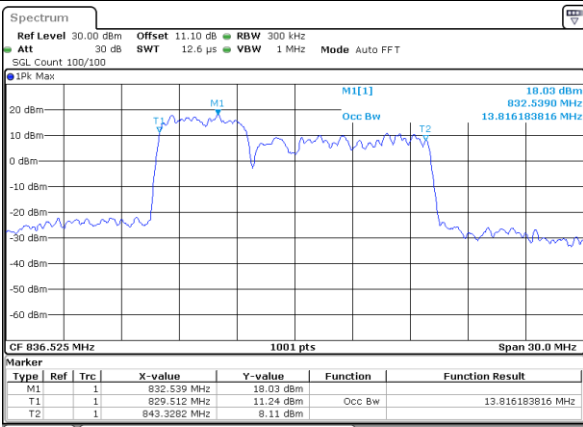
Date: 7.FEB.2022 19:19:17

Middle Channel / 5MHz+3MHz



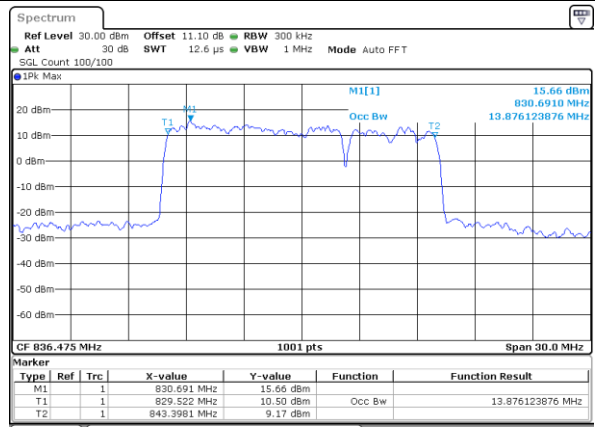
Date: 7.FEB.2022 19:46:51

Middle Channel / 5MHz+10MHz



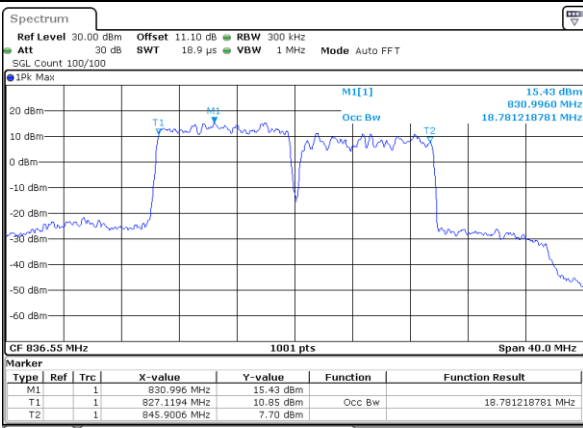
Date: 7.FEB.2022 20:17:30

Middle Channel / 10MHz+5MHz



Date: 7.FEB.2022 20:45:57

Middle Channel / 10MHz+10MHz



Date: 7.FEB.2022 21:13:26

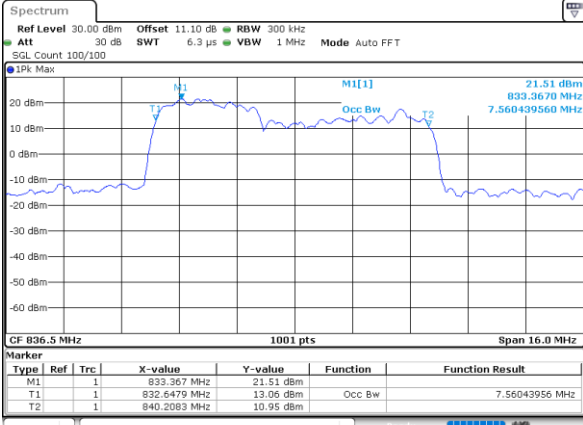
N/A



LTE Band 5B

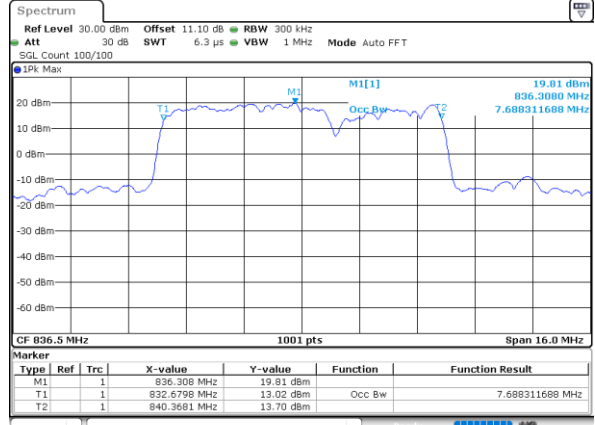
16QAM

Middle Channel / 3MHz+5MHz



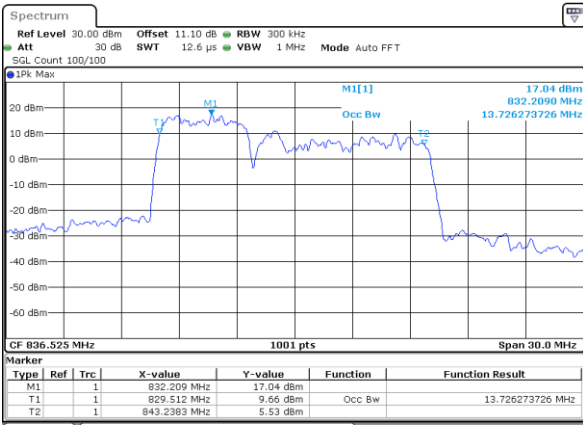
Date: 7.FEB.2022 19:19:44

Middle Channel / 5MHz+3MHz



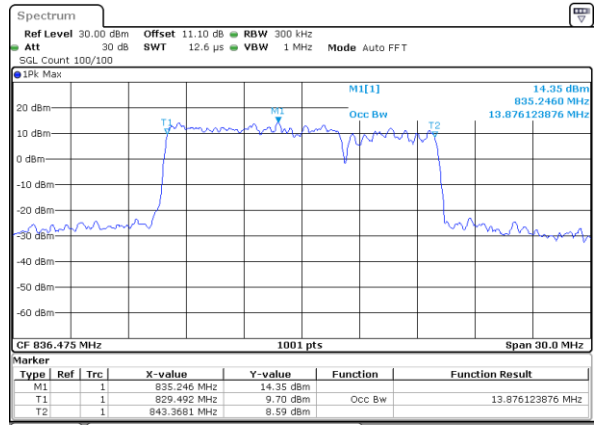
Date: 7.FEB.2022 19:47:19

Middle Channel / 5MHz+10MHz



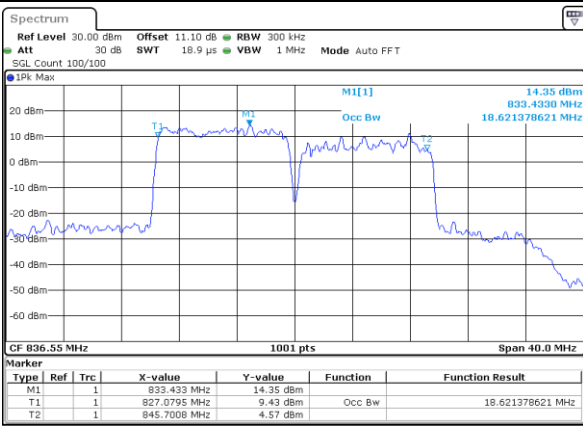
Date: 7.FEB.2022 20:17:59

Middle Channel / 10MHz+5MHz



Date: 7.FEB.2022 20:46:24

Middle Channel / 10MHz+10MHz



Date: 7.FEB.2022 21:13:53

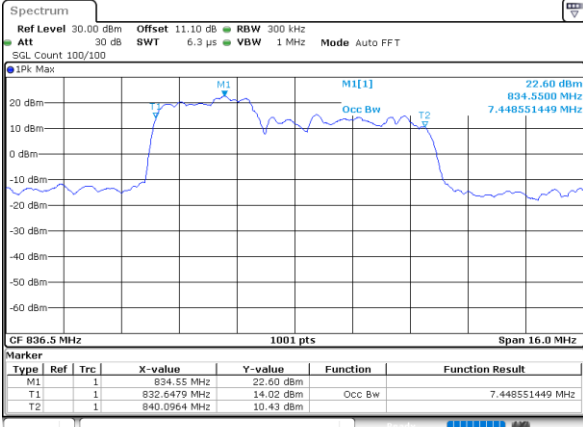
N/A



LTE Band 5B

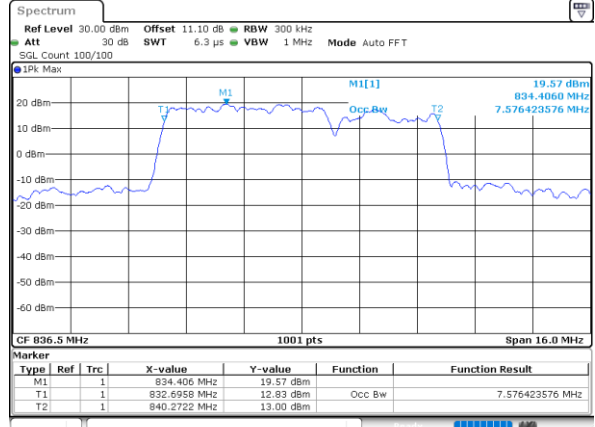
64QAM

Middle Channel / 3MHz+5MHz



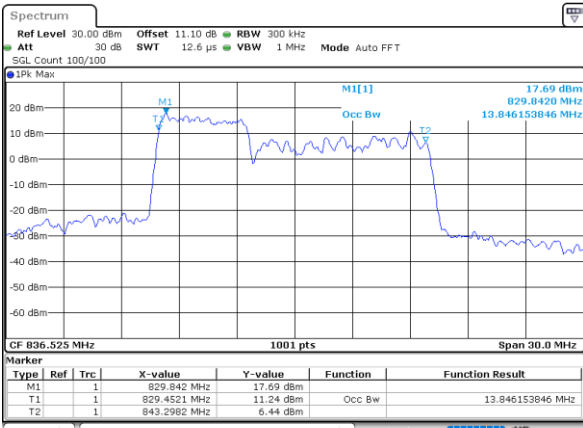
Date: 7.FEB.2022 19:20:12

Middle Channel / 5MHz+3MHz



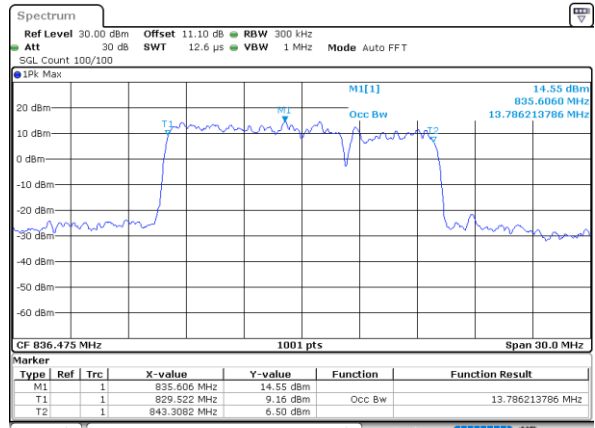
Date: 7.FEB.2022 19:47:46

Middle Channel / 5MHz+10MHz



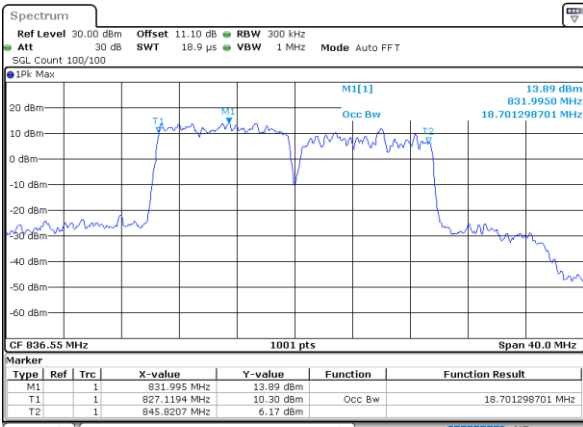
Date: 7.FEB.2022 20:18:25

Middle Channel / 10MHz+5MHz



Date: 7.FEB.2022 20:46:52

Middle Channel / 10MHz+10MHz



Date: 7.FEB.2022 21:14:21

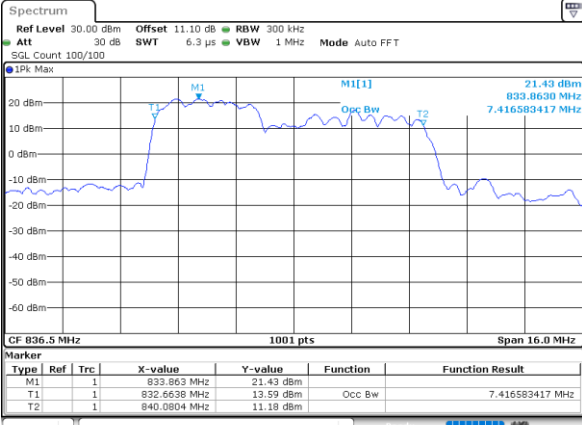
N/A



LTE Band 5B

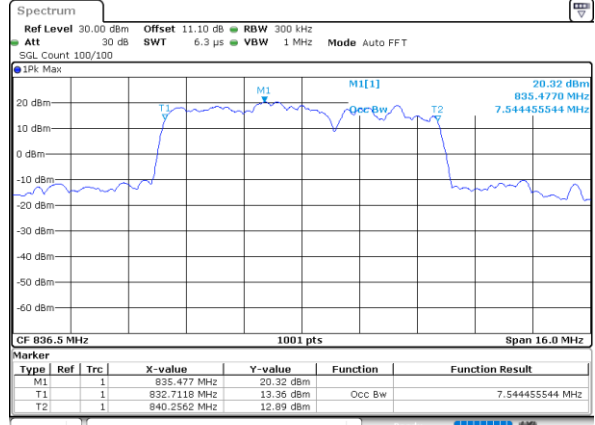
256QAM

Middle Channel / 3MHz+5MHz



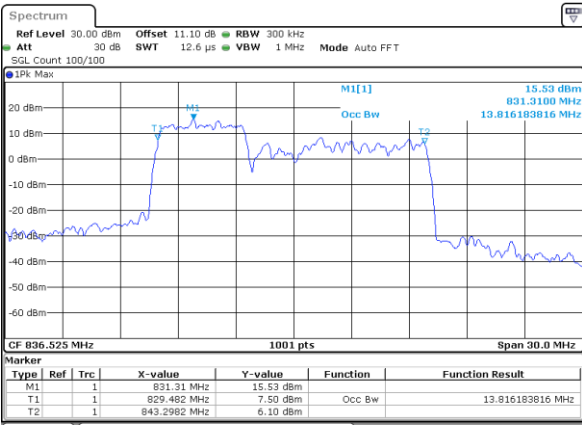
Date: 7.FEB.2022 22:32:51

Middle Channel / 5MHz+3MHz



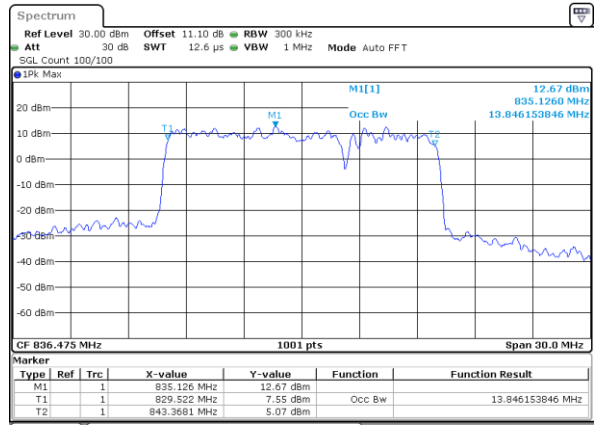
Date: 7.FEB.2022 22:16:44

Middle Channel / 5MHz+10MHz



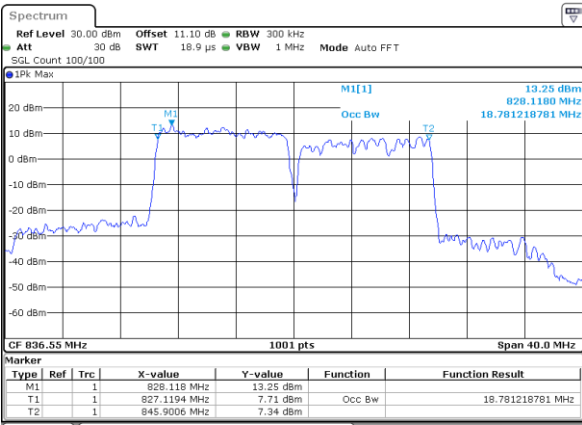
Date: 7.FEB.2022 22:05:38

Middle Channel / 10MHz+5MHz



Date: 7.FEB.2022 21:51:45

Middle Channel / 10MHz+10MHz



Date: 7.FEB.2022 21:33:03

N/A