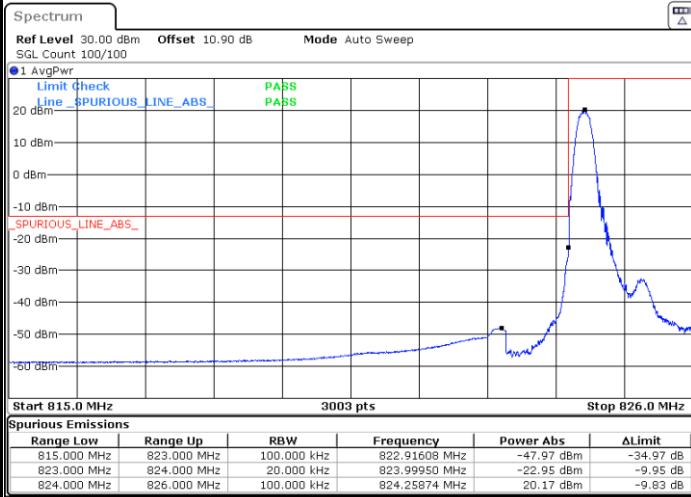




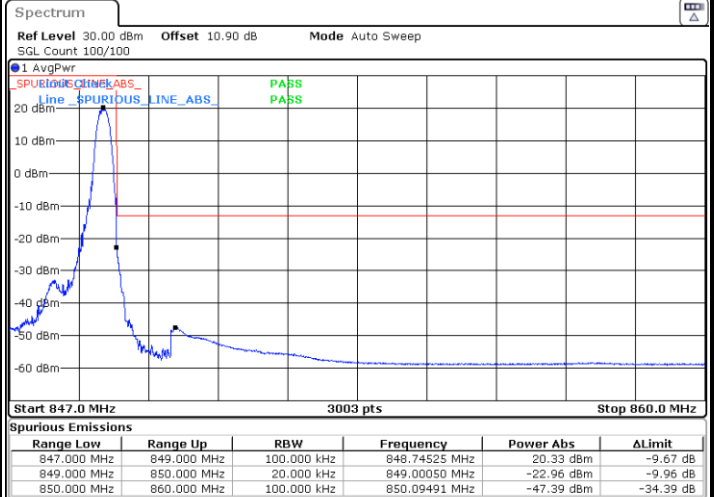
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



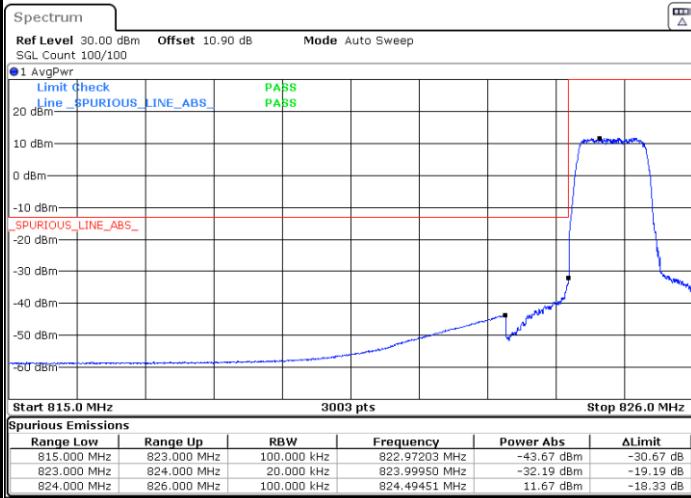
Date: 5.JAN.2022 13:19:08

Highest Band Edge / 1 RB



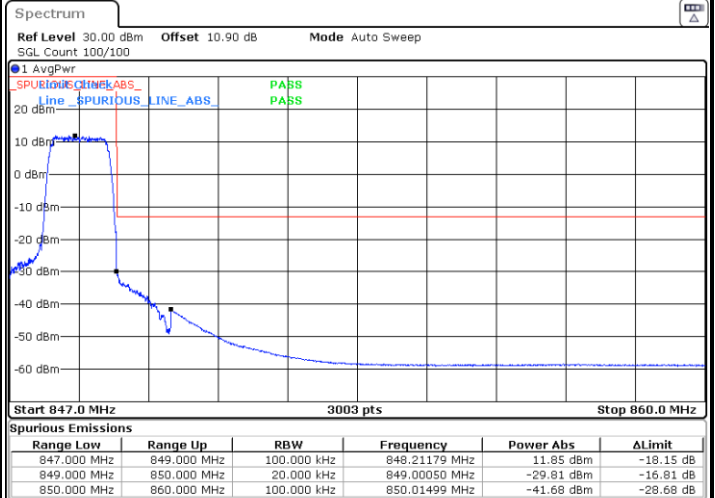
Date: 5.JAN.2022 13:33:25

Lowest Band Edge / Full RB



Date: 5.JAN.2022 13:22:49

Highest Band Edge / Full RB

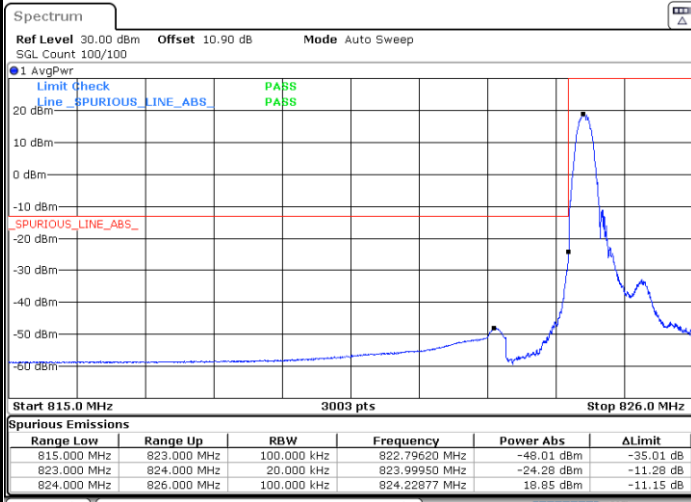


Date: 5.JAN.2022 13:29:43



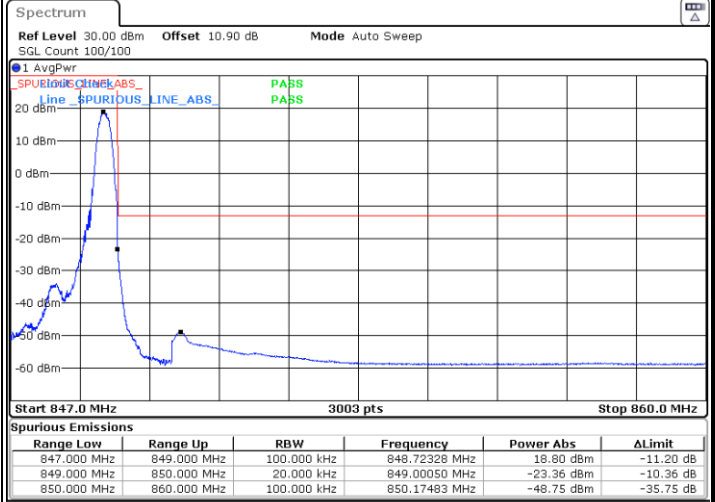
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



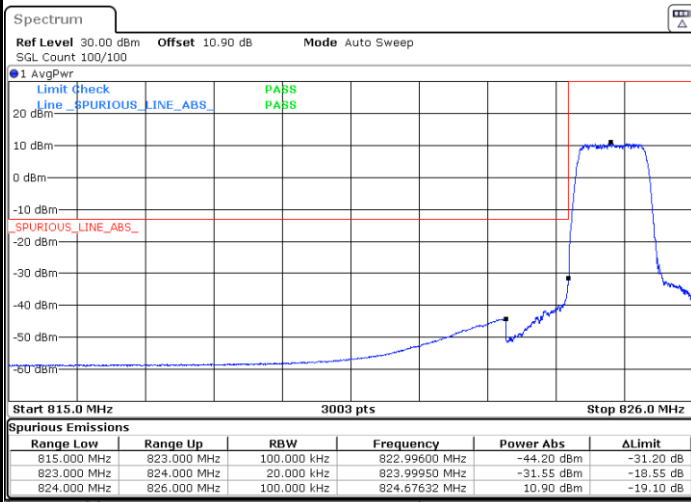
Date: 5.JAN.2022 13:36:10

Highest Band Edge / 1 RB



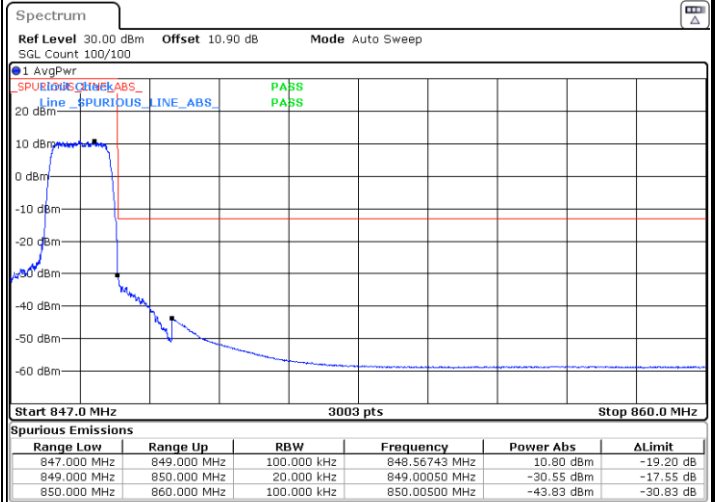
Date: 5.JAN.2022 13:42:23

Lowest Band Edge / Full RB



Date: 5.JAN.2022 13:38:01

Highest Band Edge / Full RB

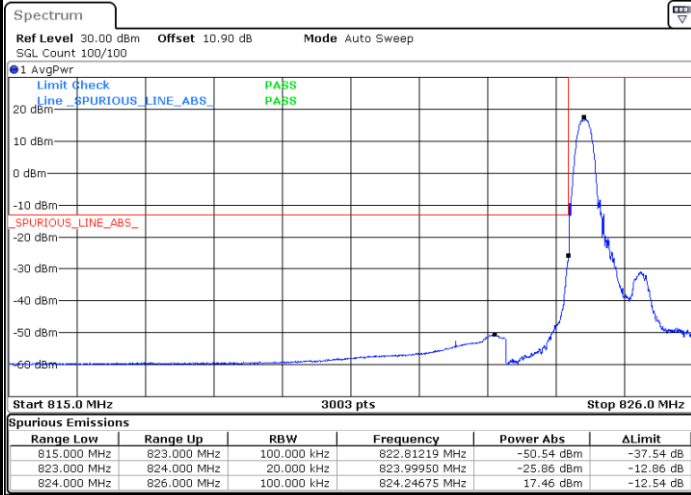


Date: 5.JAN.2022 13:40:32



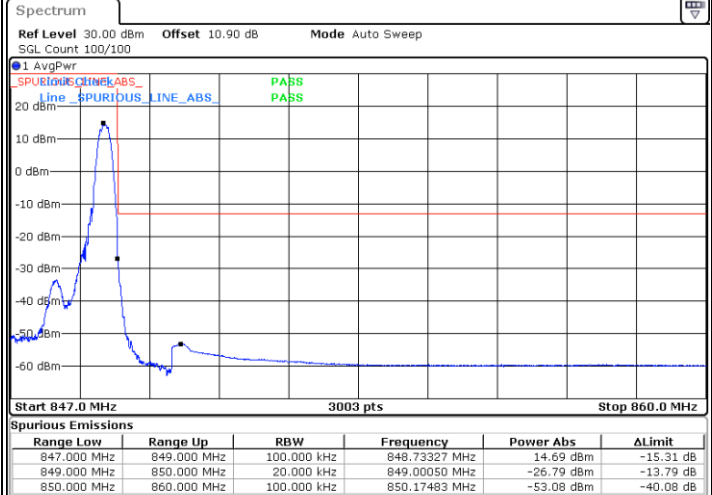
LTE Band 5 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



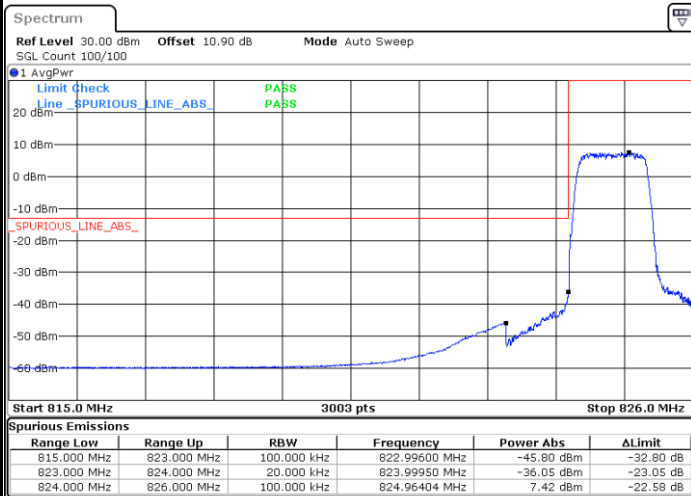
Date: 21.JAN.2022 10:46:37

Highest Band Edge / 1 RB



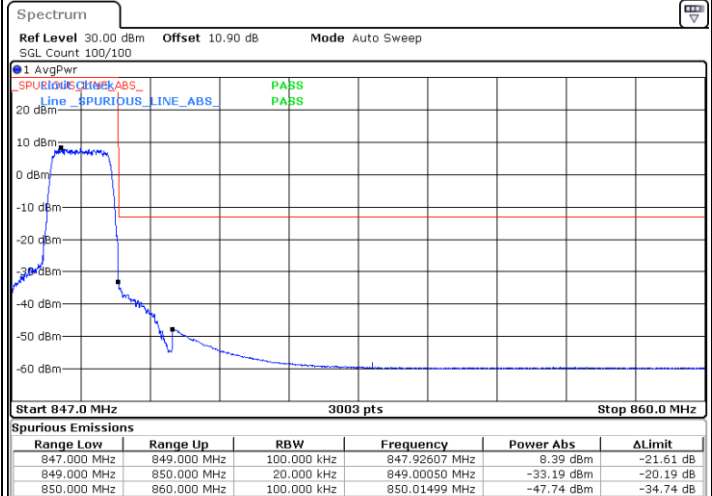
Date: 21.JAN.2022 10:55:24

Lowest Band Edge / Full RB



Date: 21.JAN.2022 10:50:16

Highest Band Edge / Full RB

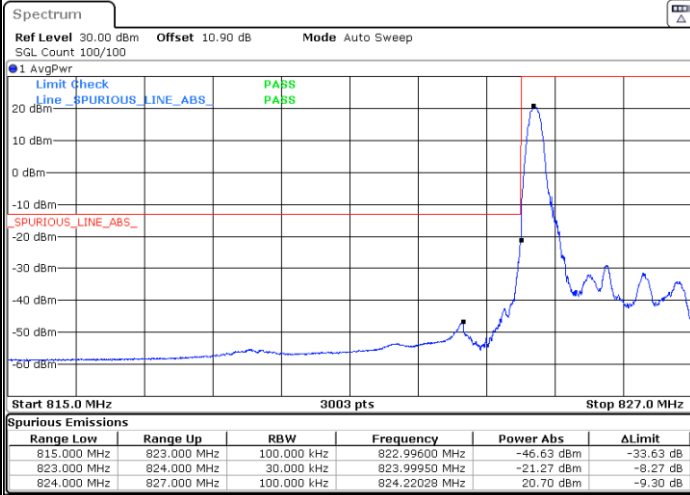


Date: 21.JAN.2022 10:53:51



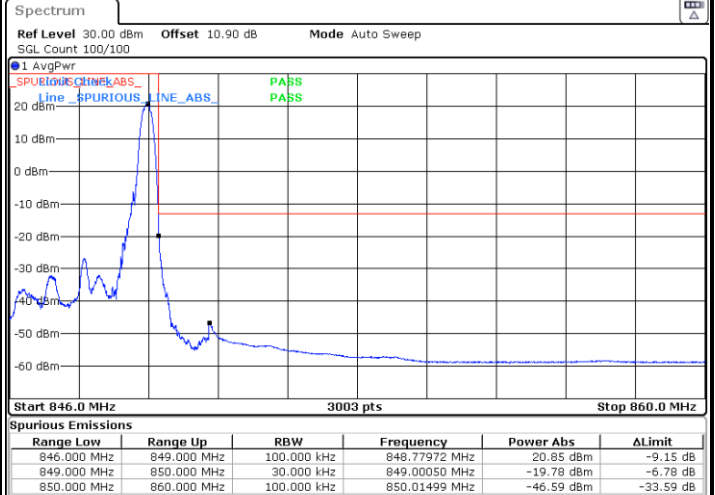
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



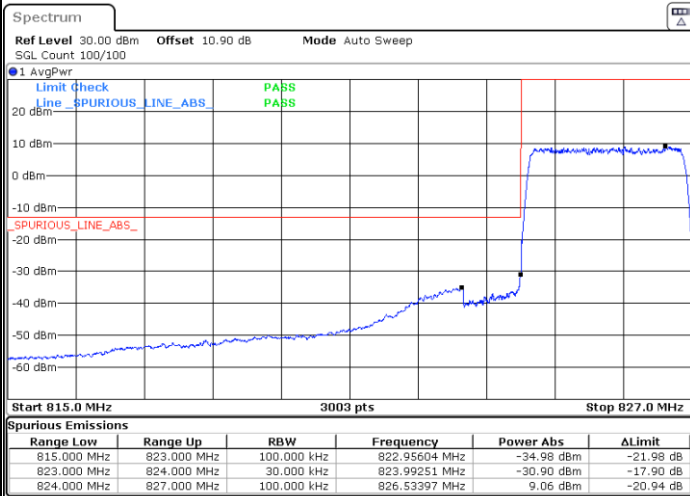
Date: 5.JAN.2022 13:44:14

Highest Band Edge / 1 RB



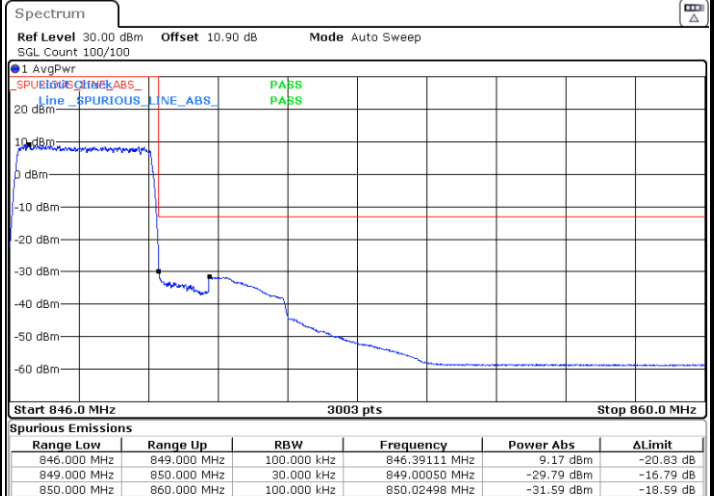
Date: 5.JAN.2022 13:54:50

Lowest Band Edge / Full RB



Date: 5.JAN.2022 13:47:55

Highest Band Edge / Full RB

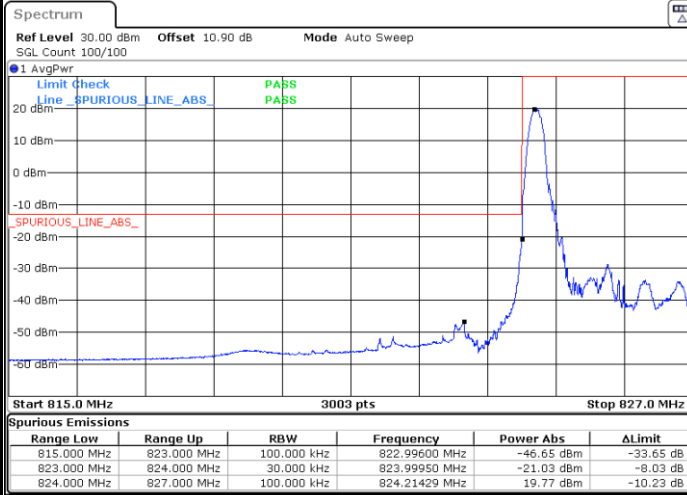


Date: 5.JAN.2022 13:58:31



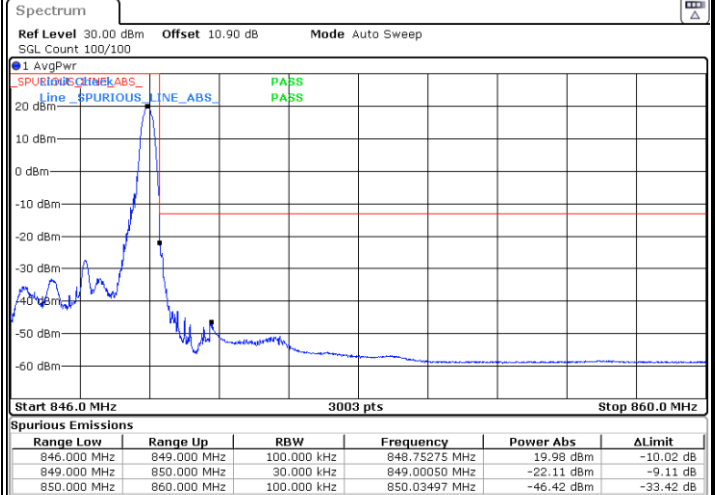
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



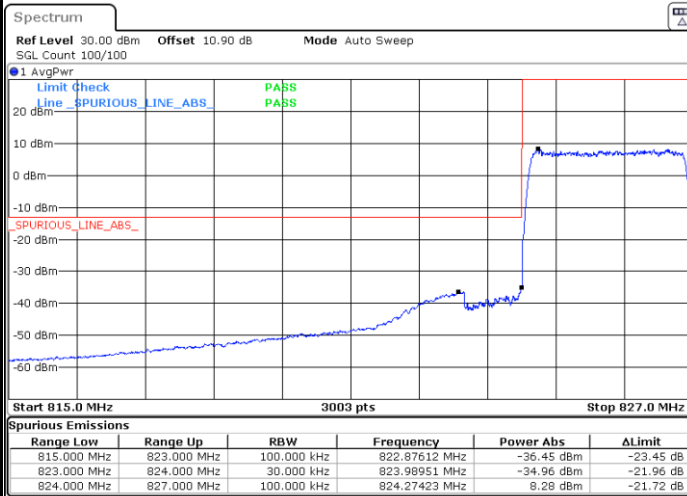
Date: 5.JAN.2022 13:46:05

Highest Band Edge / 1 RB



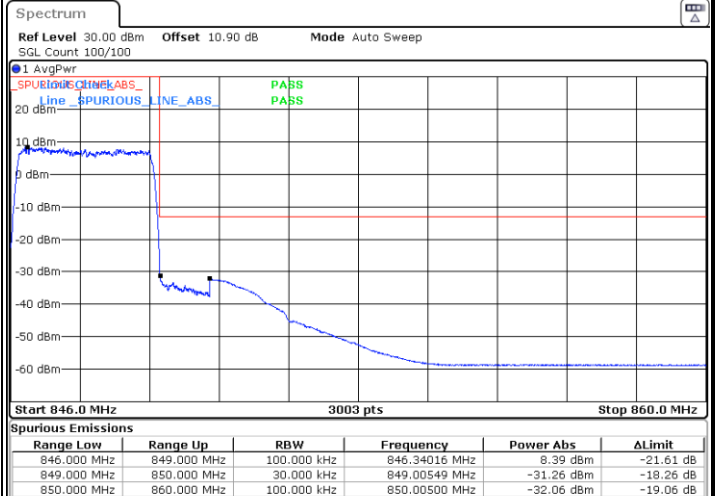
Date: 5.JAN.2022 13:56:40

Lowest Band Edge / Full RB



Date: 5.JAN.2022 13:49:46

Highest Band Edge / Full RB

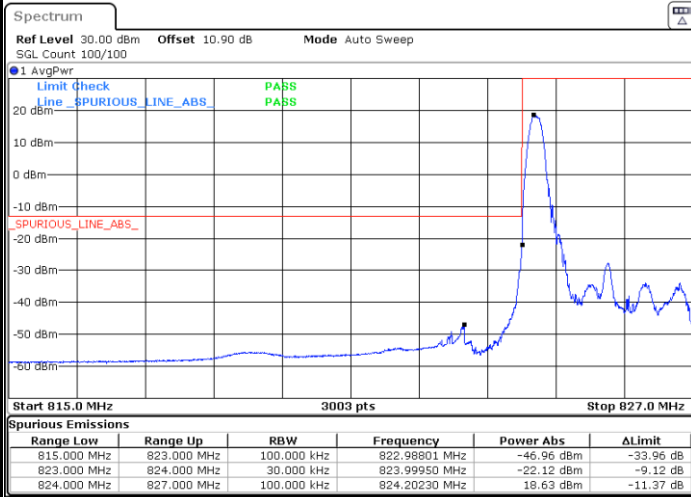


Date: 5.JAN.2022 14:00:21



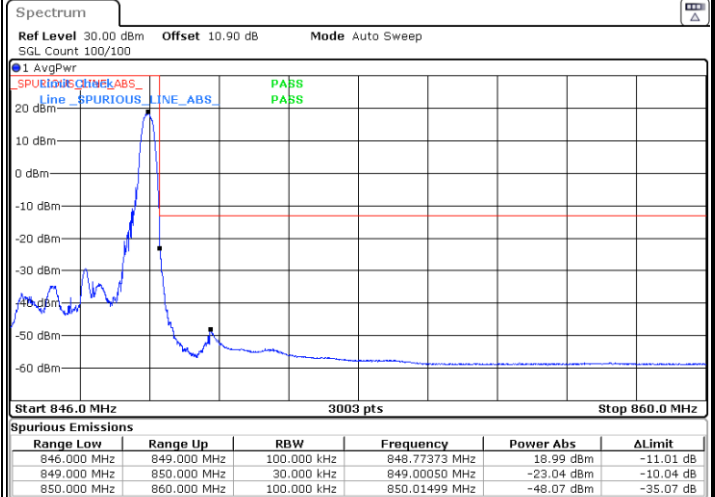
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



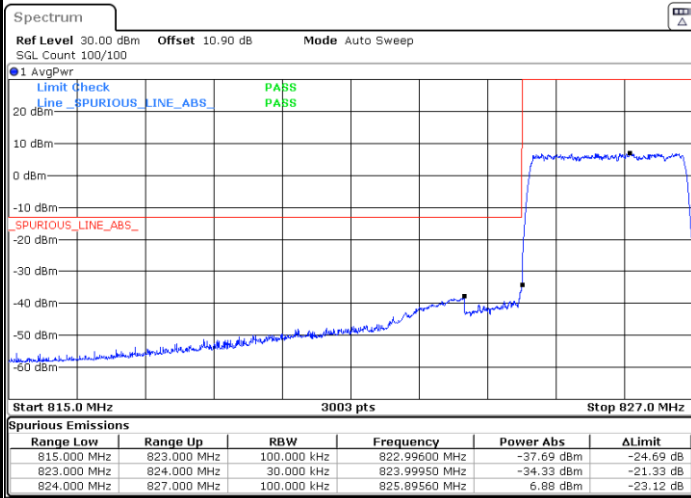
Date: 5.JAN.2022 14:03:06

Highest Band Edge / 1 RB



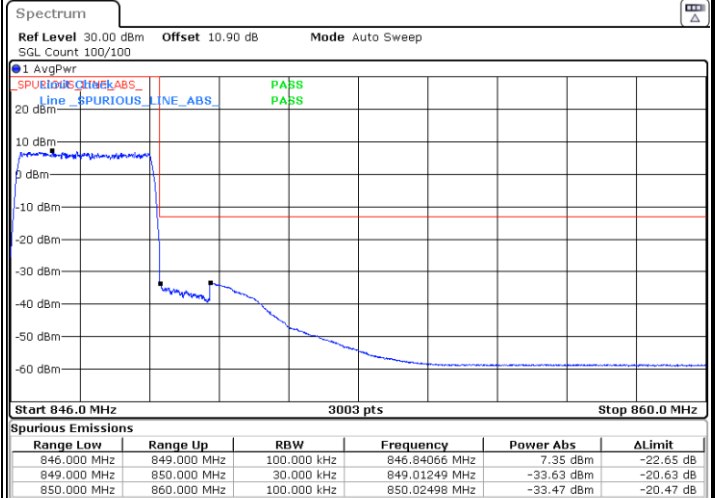
Date: 5.JAN.2022 14:07:29

Lowest Band Edge / Full RB



Date: 5.JAN.2022 14:04:57

Highest Band Edge / Full RB

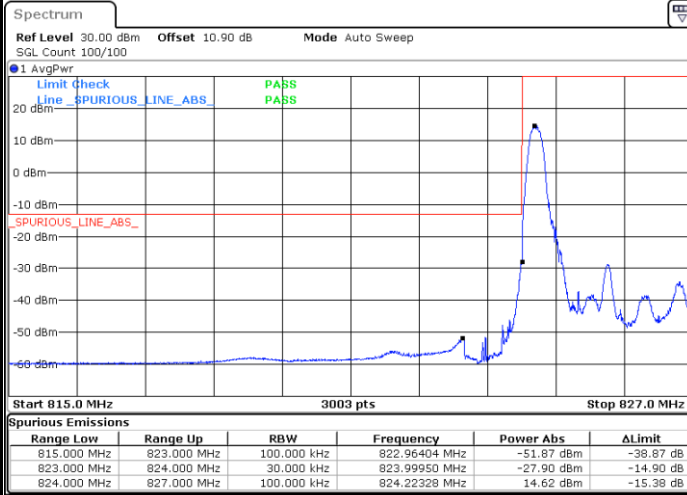


Date: 5.JAN.2022 14:09:20

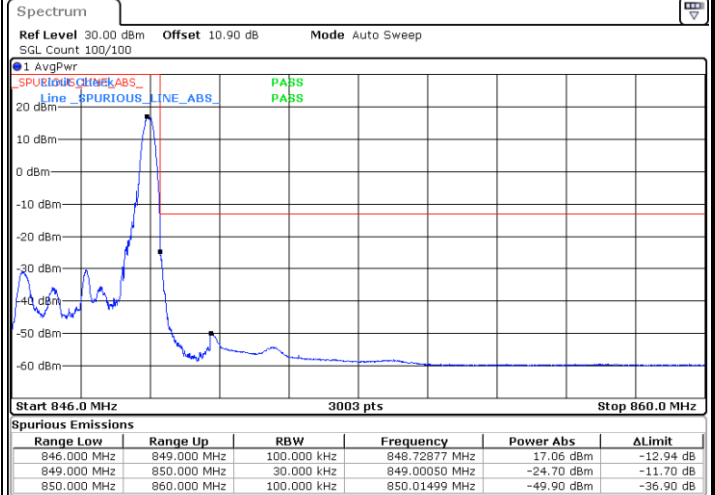


LTE Band 5 / 3MHz / 256QAM

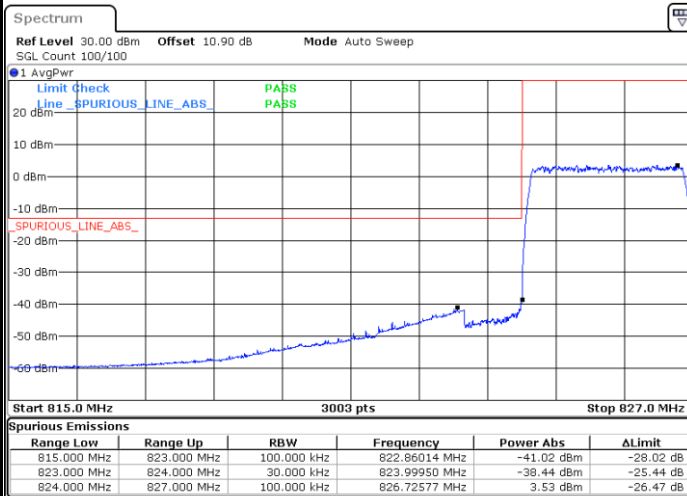
Lowest Band Edge / 1 RB



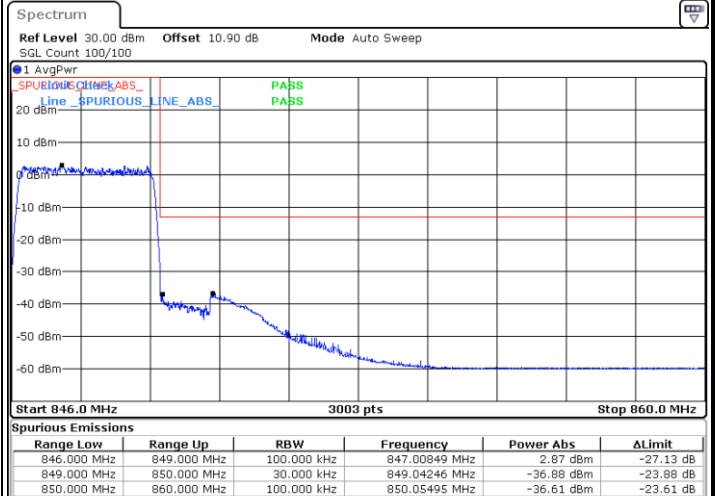
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



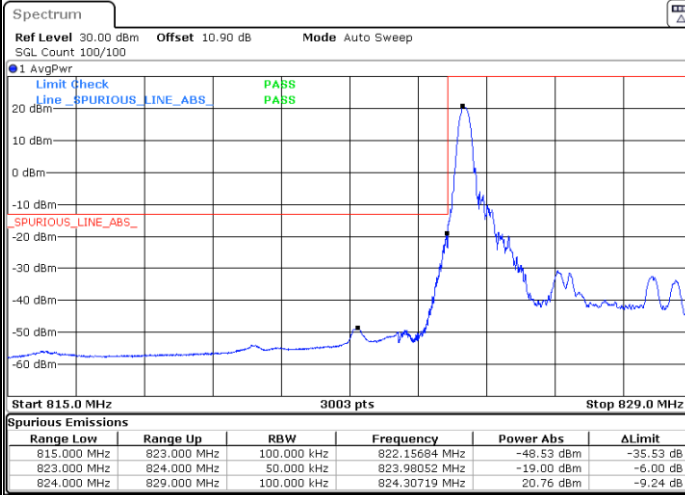
Highest Band Edge / Full RB





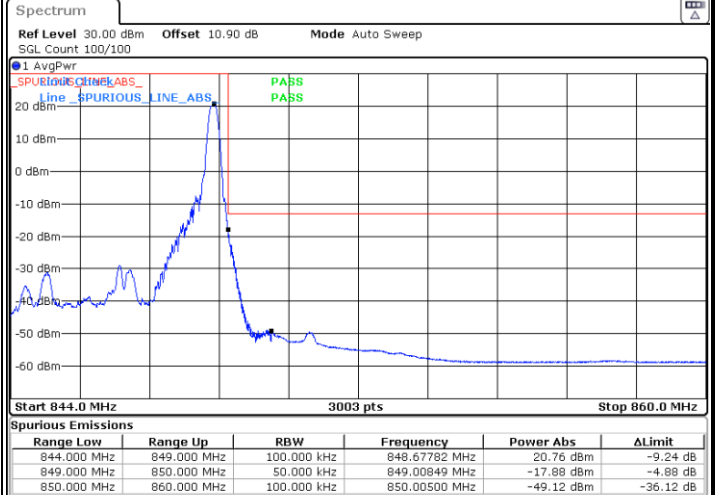
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



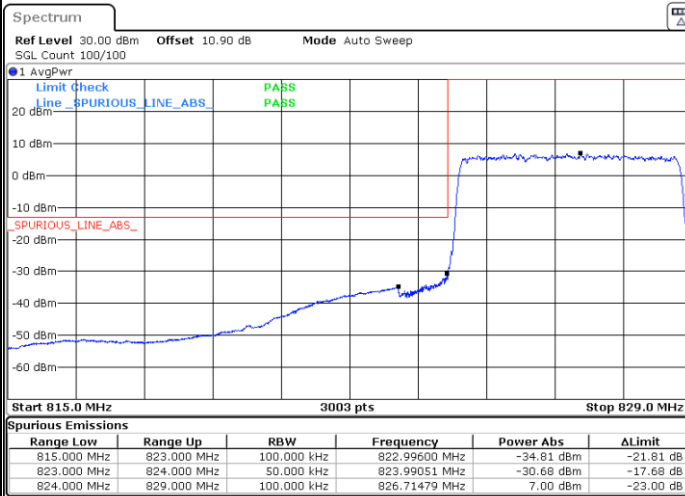
Date: 5.JAN.2022 14:16:23

Highest Band Edge / 1 RB



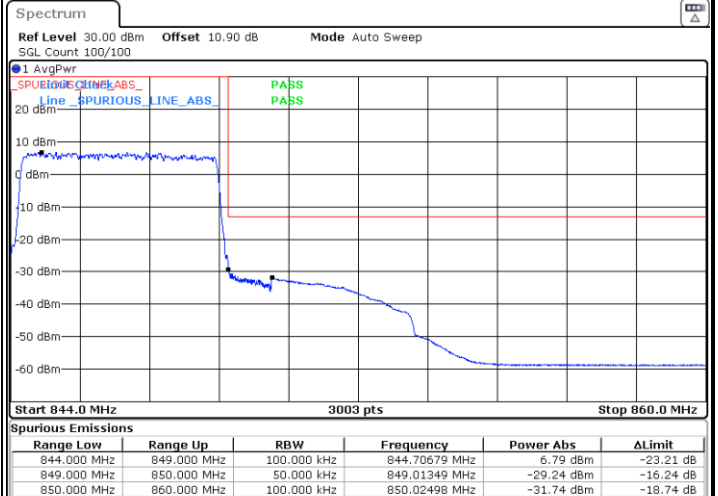
Date: 5.JAN.2022 14:26:57

Lowest Band Edge / Full RB



Date: 5.JAN.2022 14:20:03

Highest Band Edge / Full RB



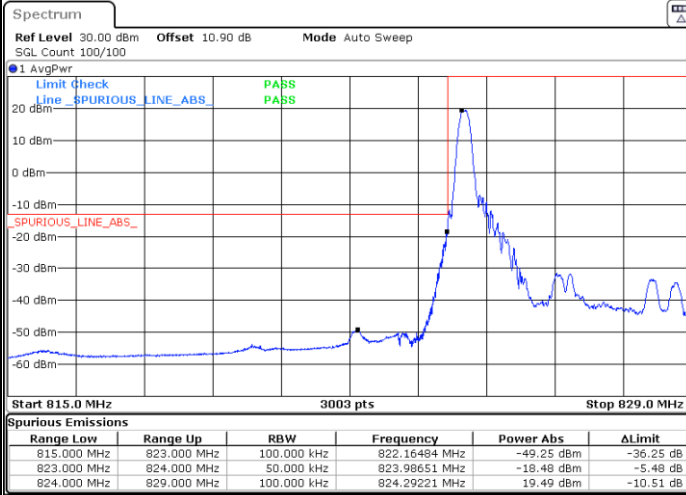
Date: 5.JAN.2022 14:30:38





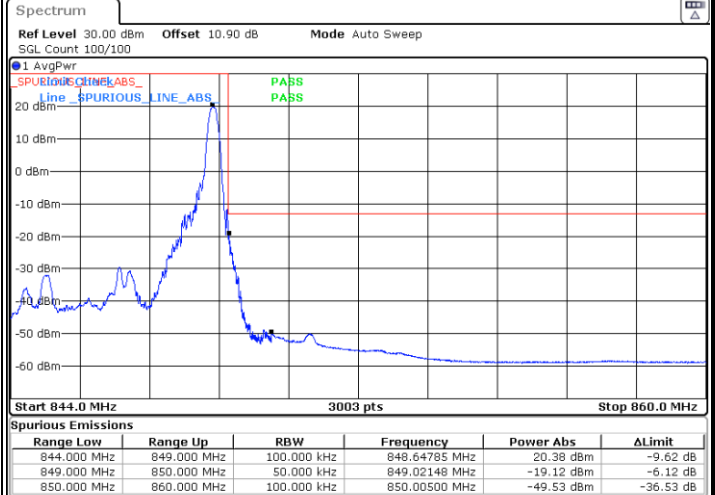
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



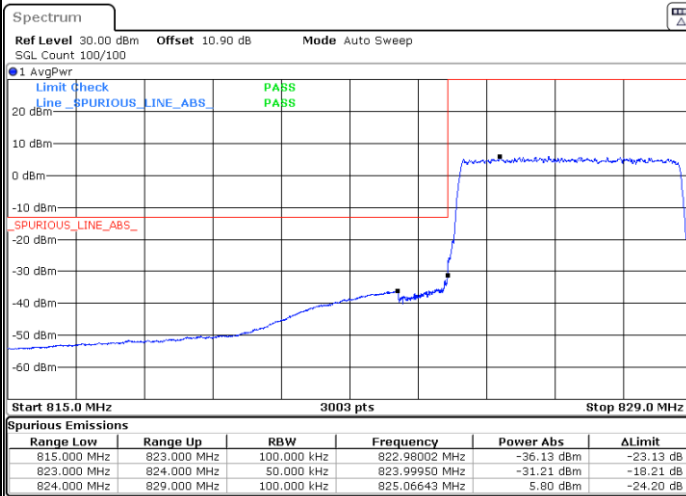
Date: 5.JAN.2022 14:18:13

Highest Band Edge / 1 RB



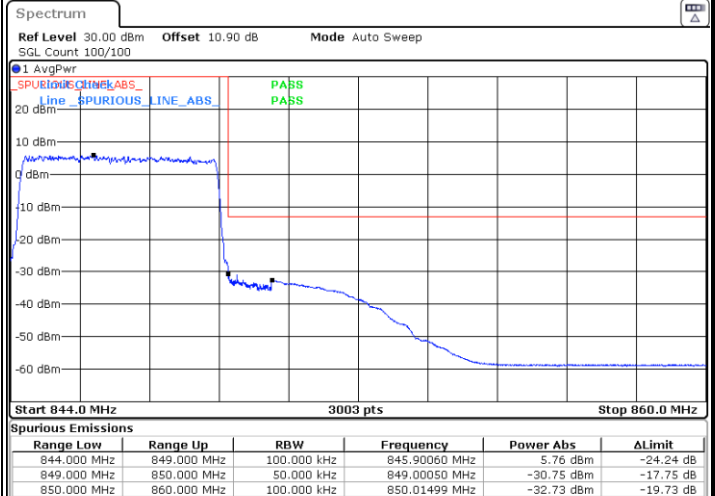
Date: 5.JAN.2022 14:28:47

Lowest Band Edge / Full RB



Date: 5.JAN.2022 14:21:54

Highest Band Edge / Full RB

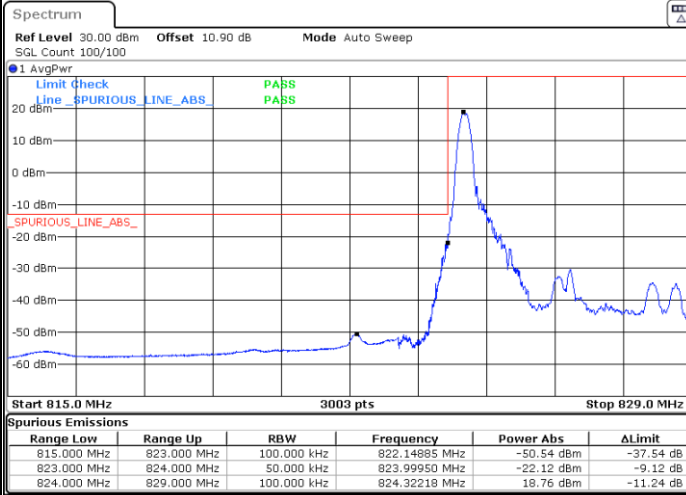


Date: 5.JAN.2022 14:32:28



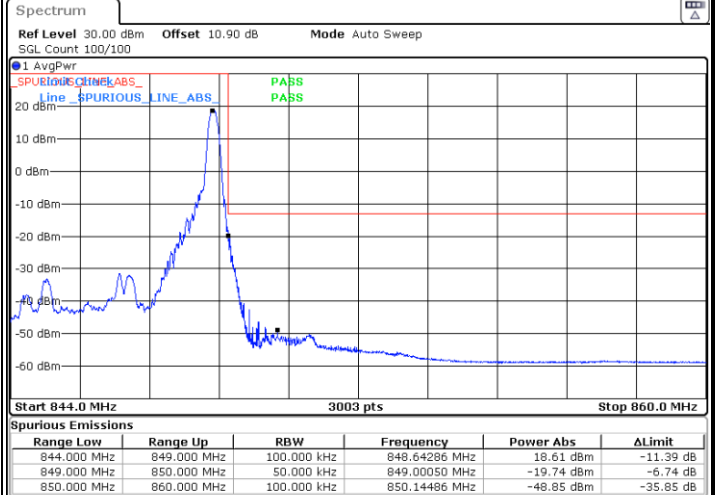
LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



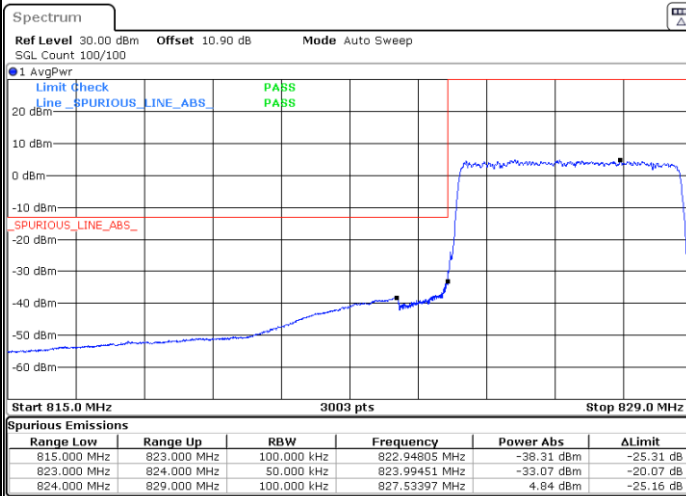
Date: 5.JAN.2022 14:35:15

Highest Band Edge / 1 RB



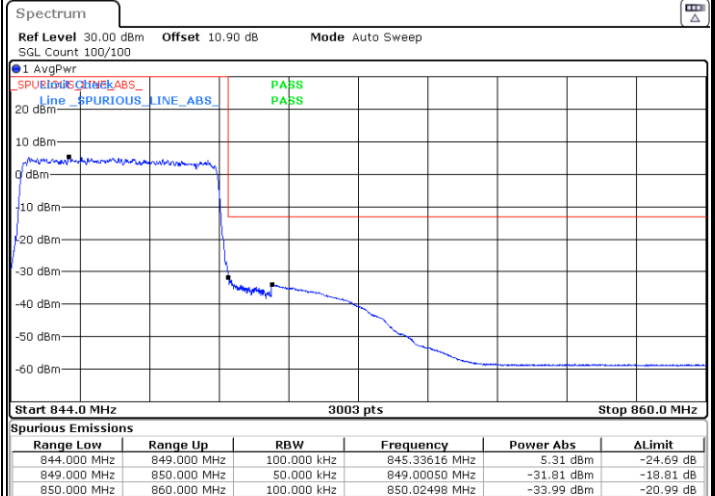
Date: 5.JAN.2022 14:39:37

Lowest Band Edge / Full RB



Date: 5.JAN.2022 14:37:05

Highest Band Edge / Full RB

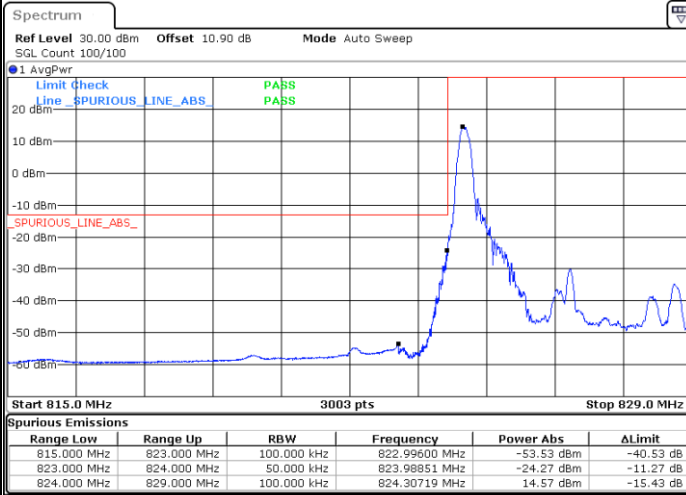


Date: 5.JAN.2022 14:41:27



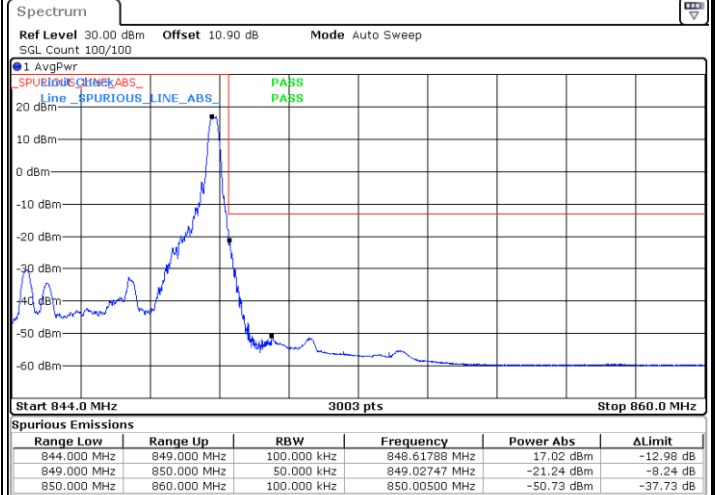
LTE Band 5 / 5MHz / 256QAM

Lowest Band Edge / 1RB



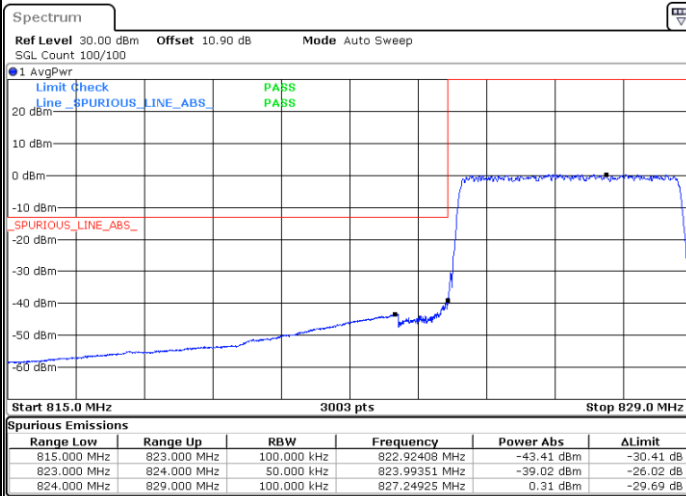
Date: 21.JAN.2022 11:11:04

Highest Band Edge / 1 RB



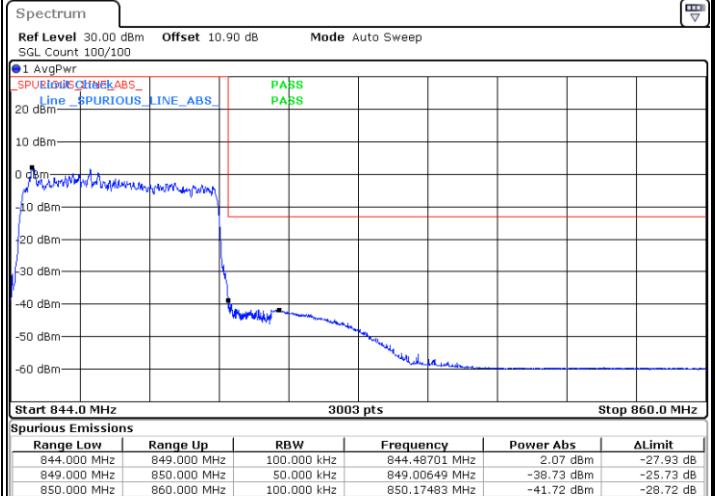
Date: 21.JAN.2022 11:18:40

Lowest Band Edge / Full RB



Date: 21.JAN.2022 11:11:59

Highest Band Edge / Full RB

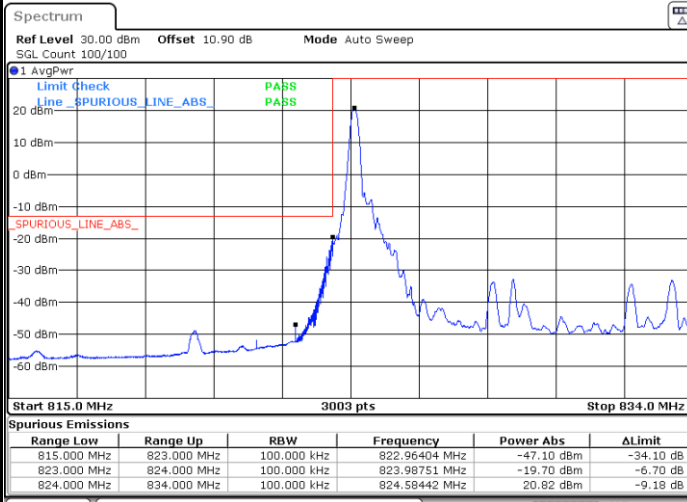


Date: 21.JAN.2022 11:19:39



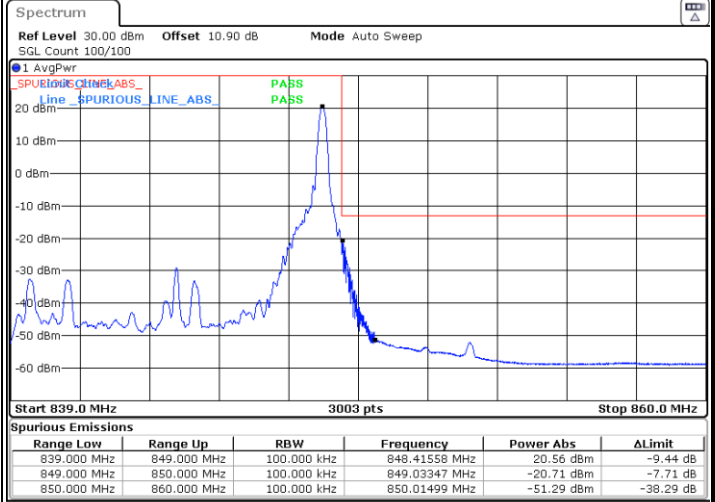
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



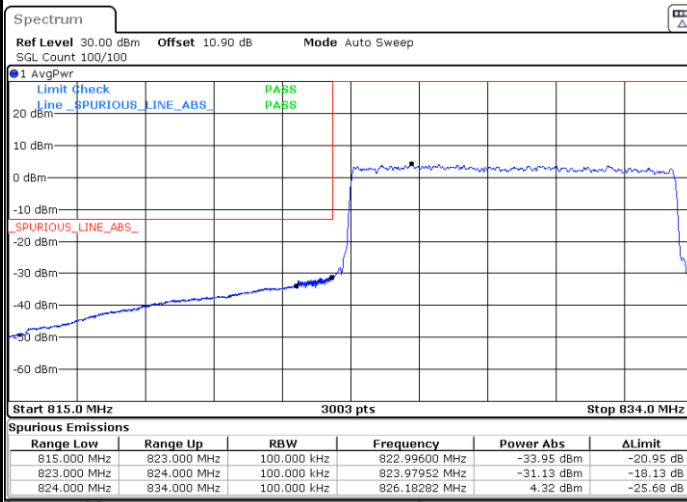
Date: 5.JAN.2022 14:43:18

Highest Band Edge / 1 RB



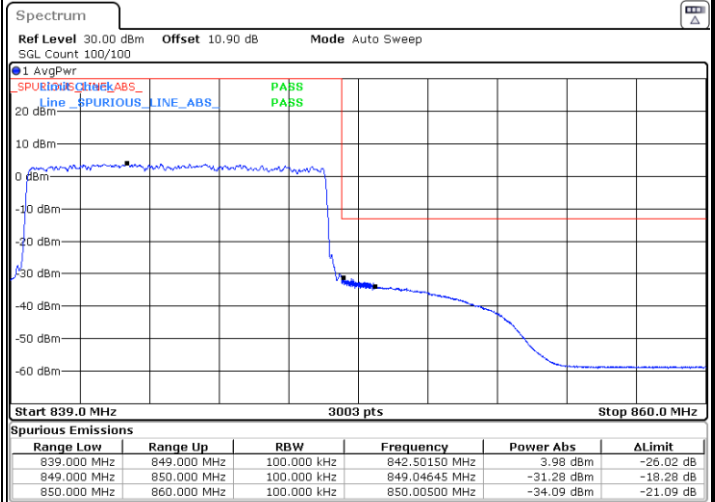
Date: 5.JAN.2022 14:53:55

Lowest Band Edge / Full RB



Date: 5.JAN.2022 14:47:00

Highest Band Edge / Full RB

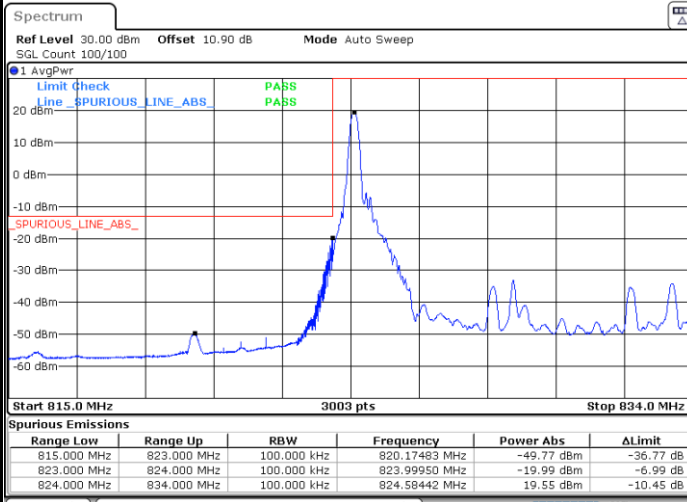


Date: 5.JAN.2022 14:57:35



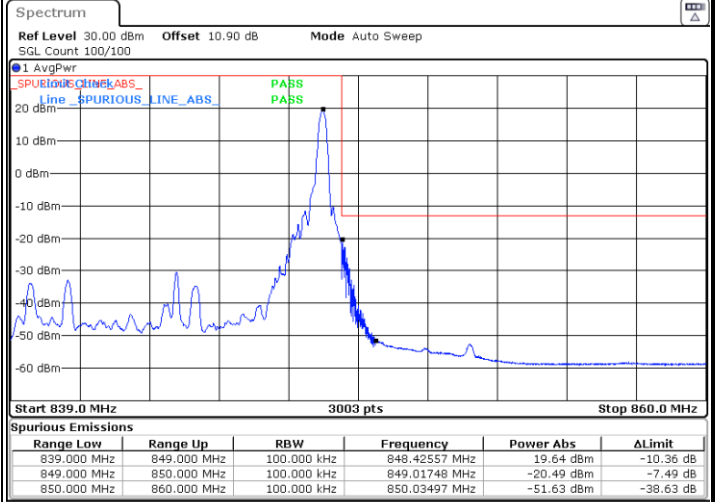
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



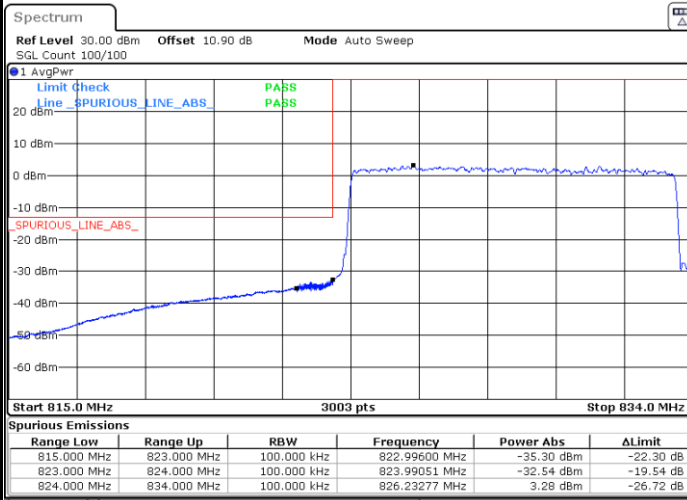
Date: 5.JAN.2022 14:45:09

Highest Band Edge / 1 RB



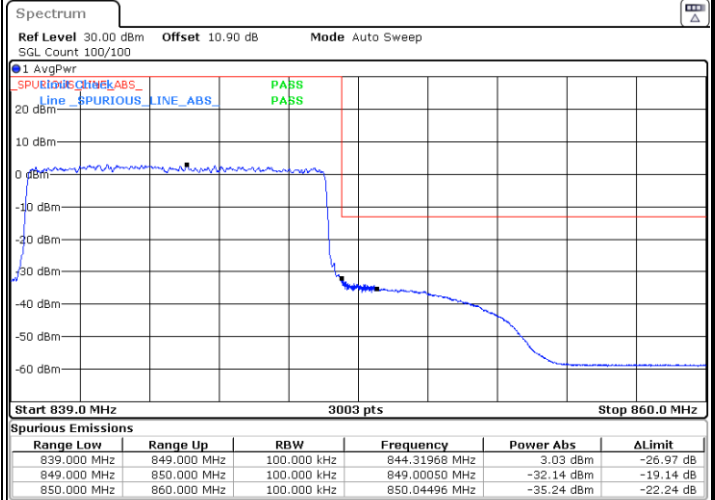
Date: 5.JAN.2022 14:55:45

Lowest Band Edge / Full RB



Date: 5.JAN.2022 14:48:50

Highest Band Edge / Full RB

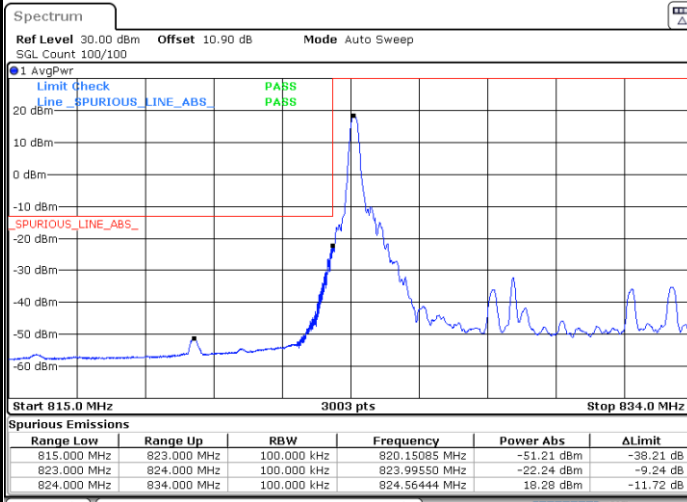


Date: 5.JAN.2022 14:59:26

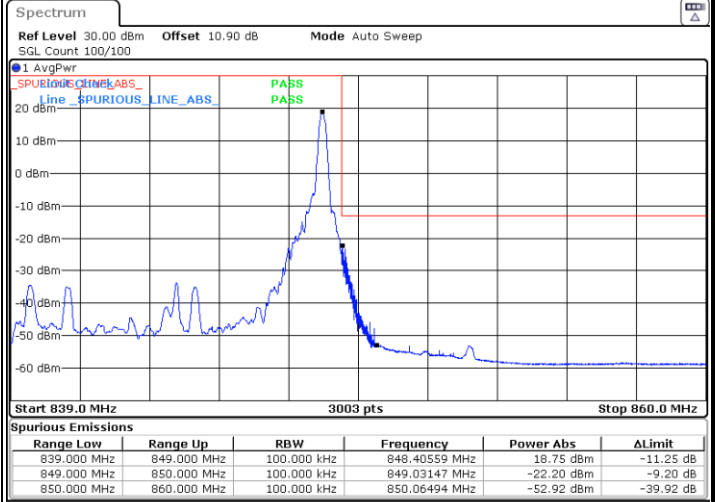


LTE Band 5 / 10MHz / 64QAM

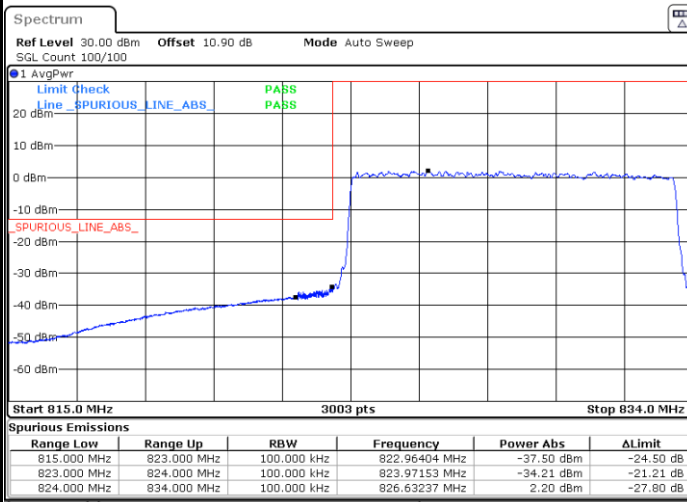
Lowest Band Edge / 1 RB



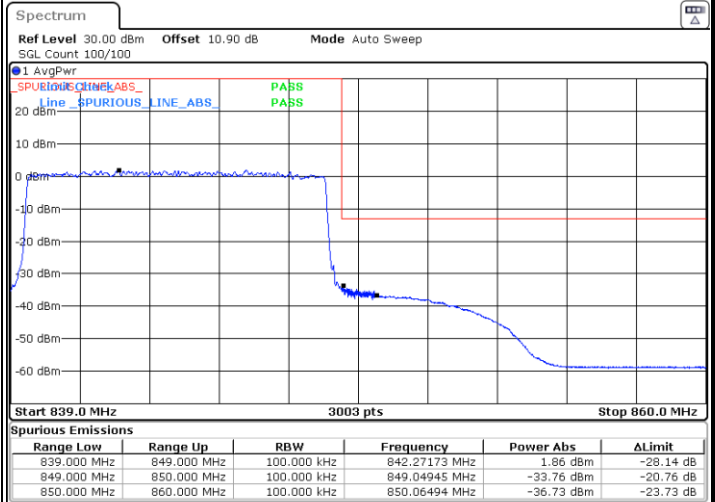
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



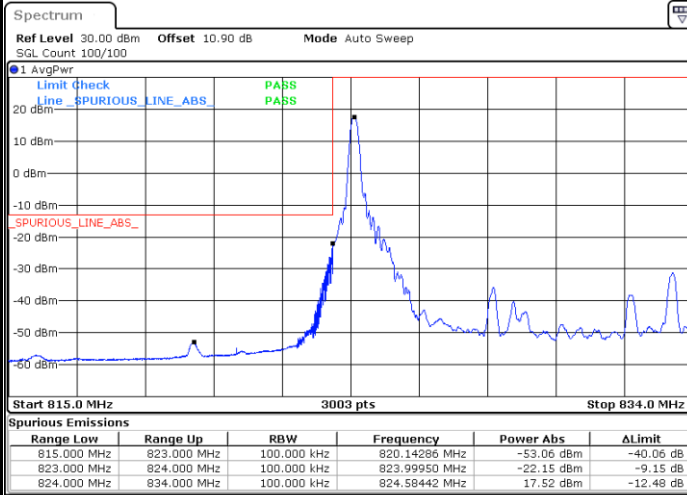
Highest Band Edge / Full RB





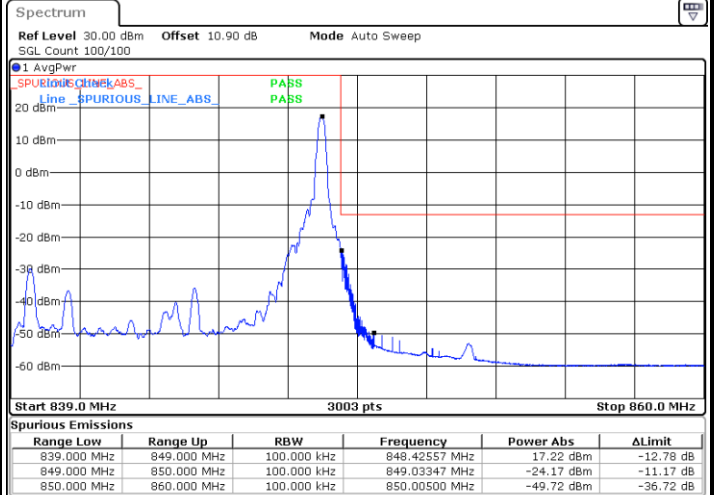
LTE Band 5 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



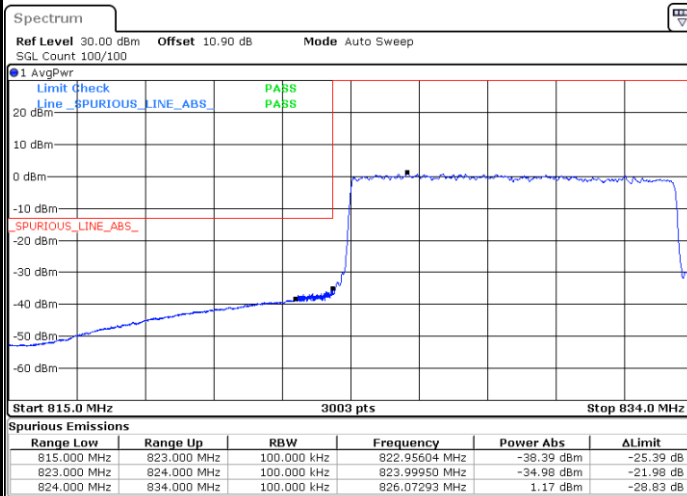
Date: 21.JAN.2022 11:23:31

Highest Band Edge / 1 RB



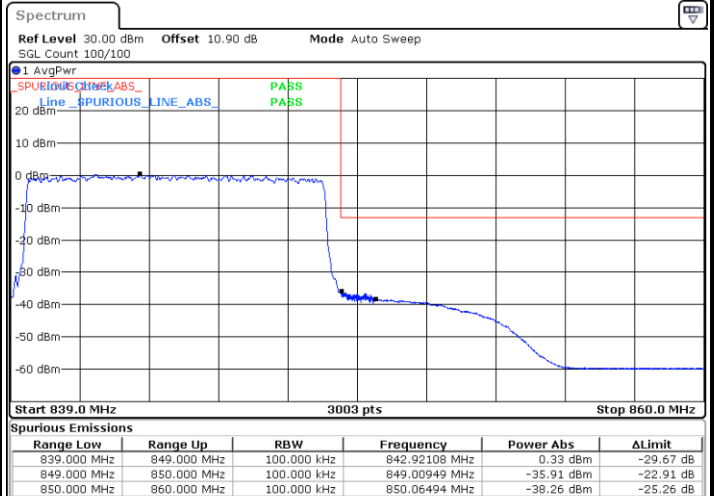
Date: 21.JAN.2022 11:30:42

Lowest Band Edge / Full RB



Date: 21.JAN.2022 11:24:59

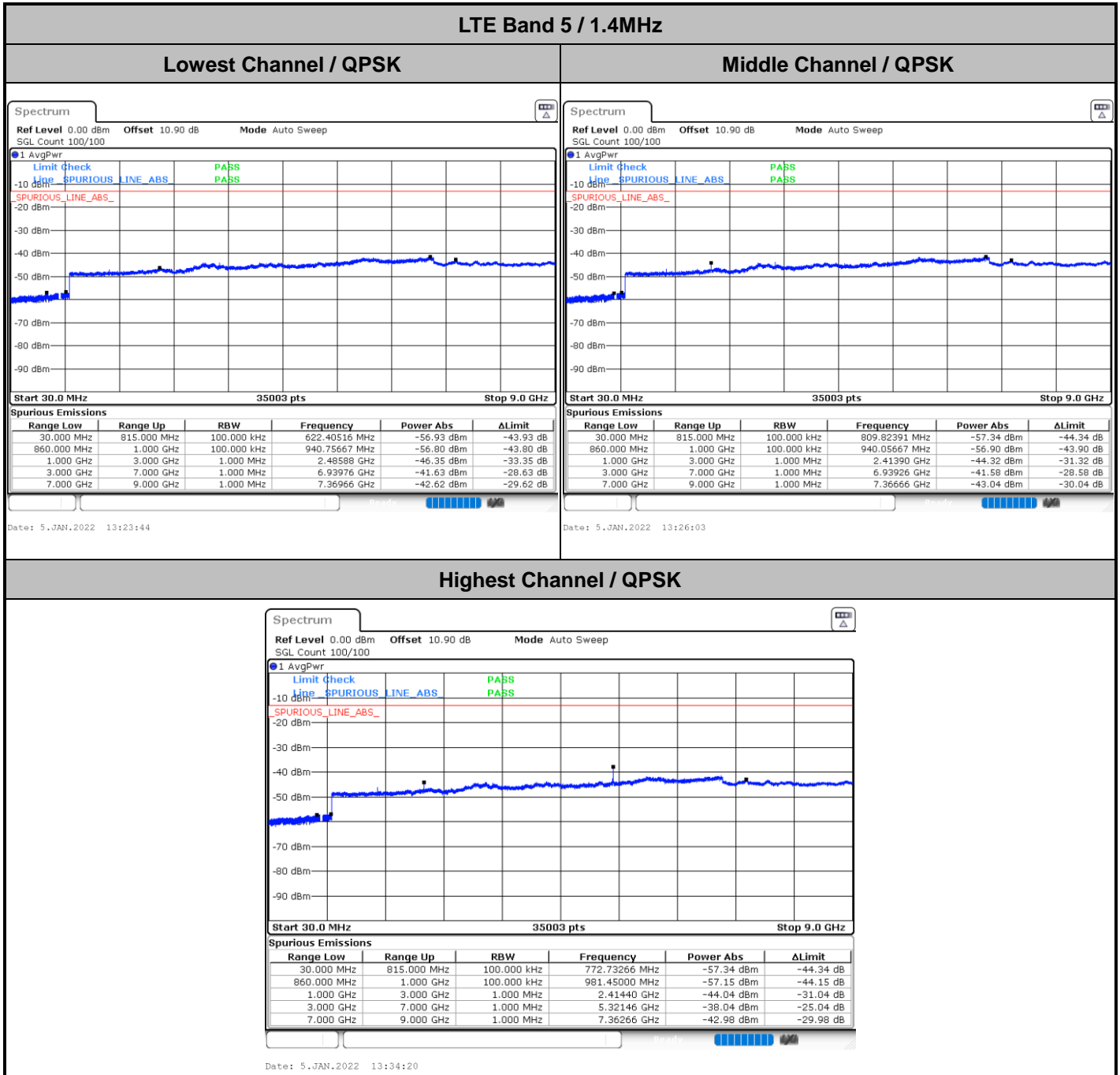
Highest Band Edge / Full RB



Date: 21.JAN.2022 11:32:30



# Conducted Spurious Emission



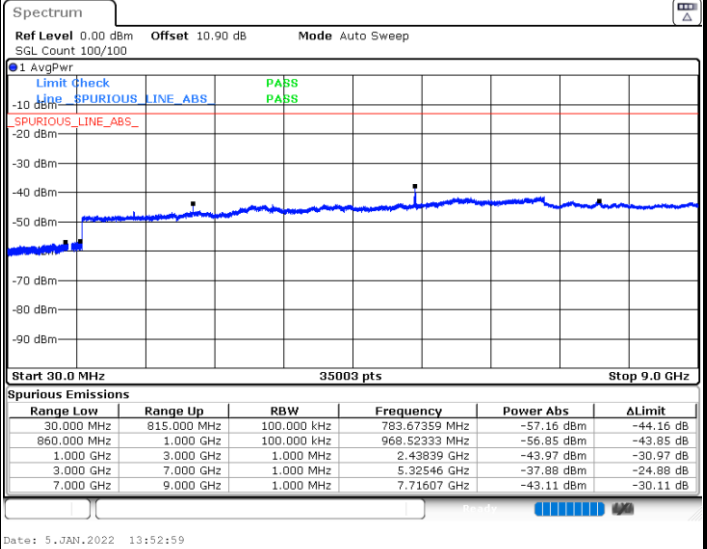
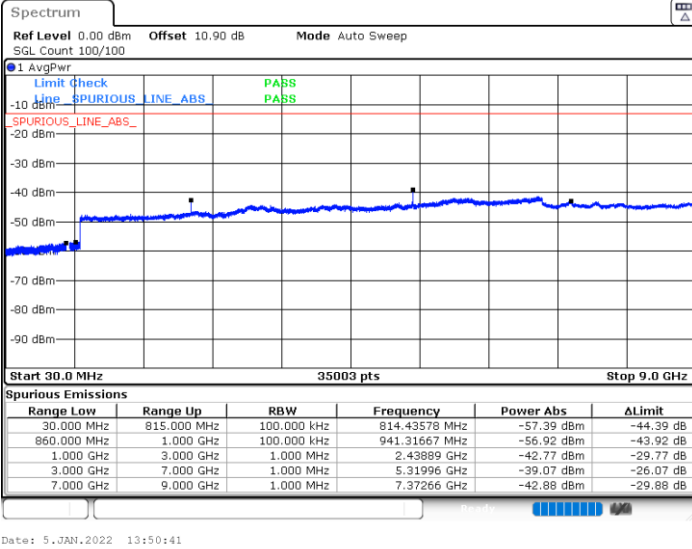




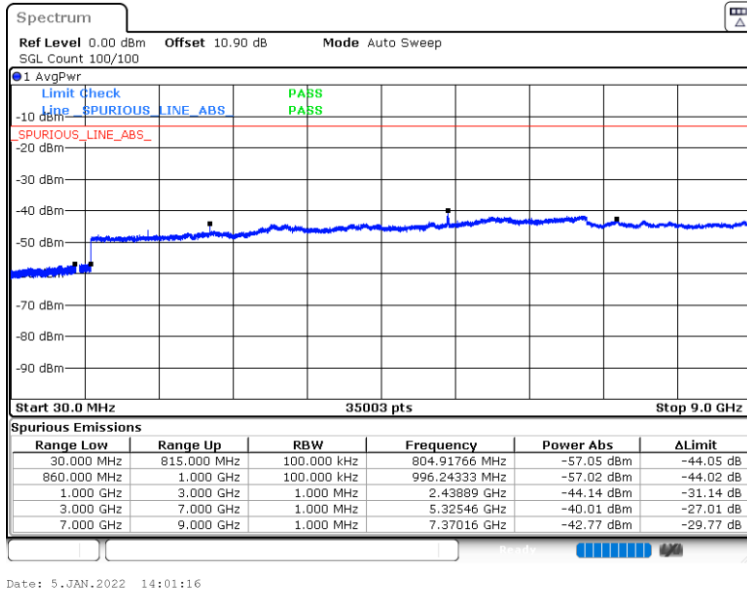
LTE Band 5 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

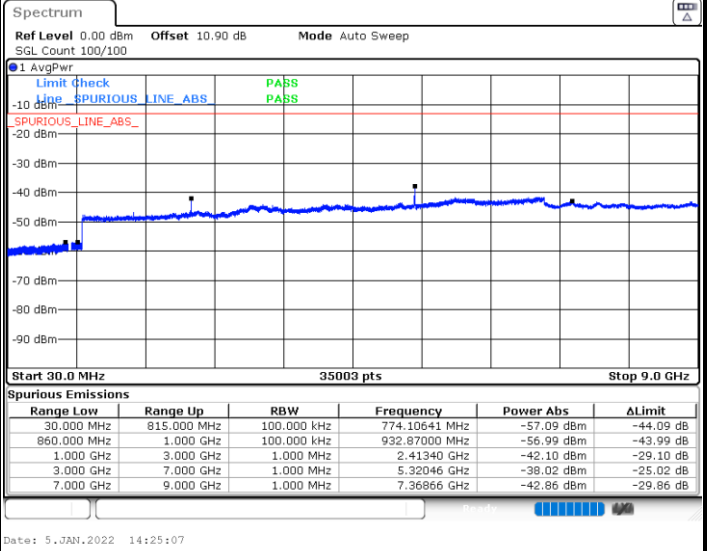
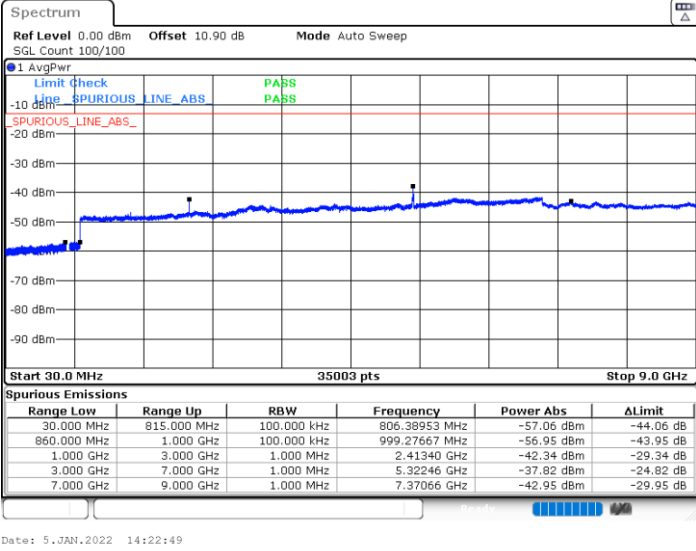




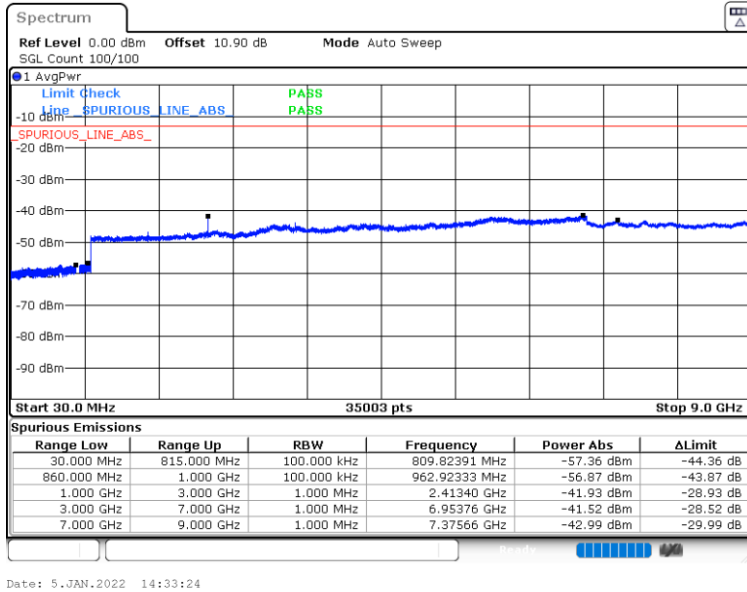
LTE Band 5 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

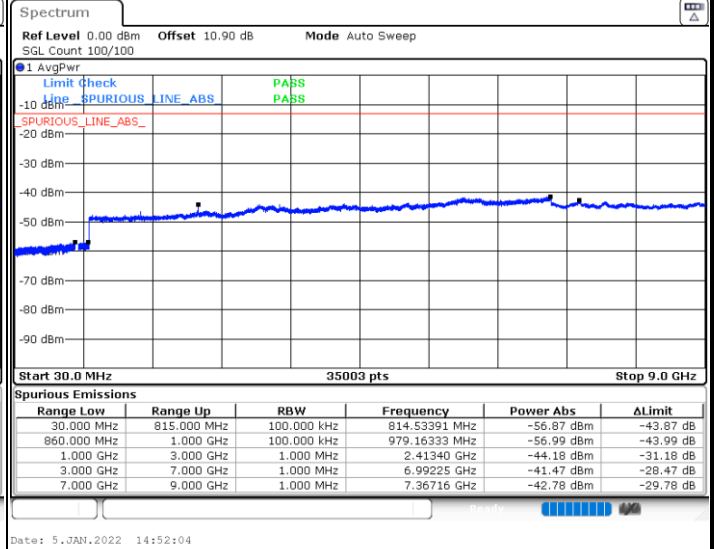
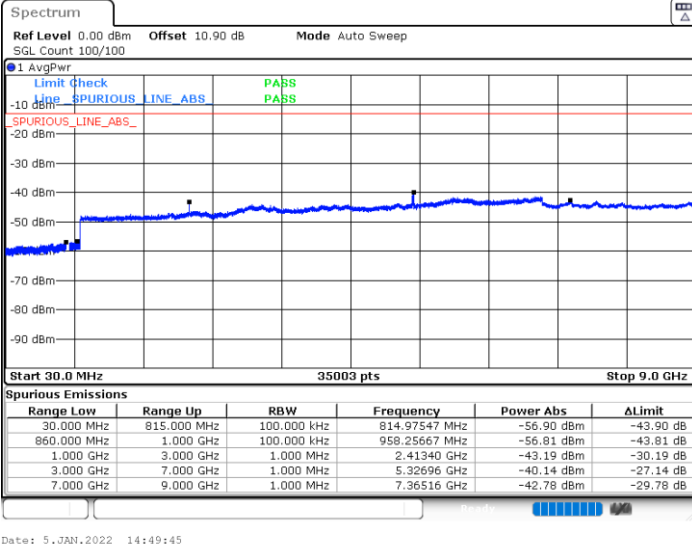




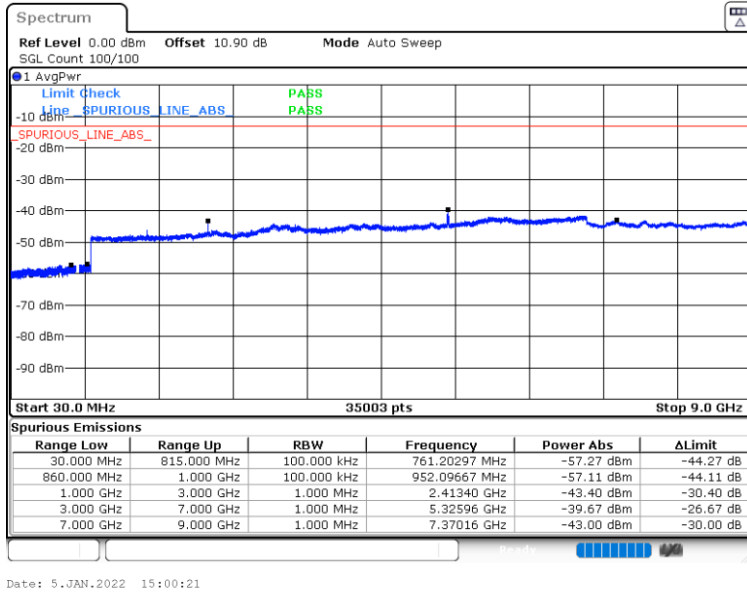
LTE Band 5 / 10MHz

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	0.0007	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	-

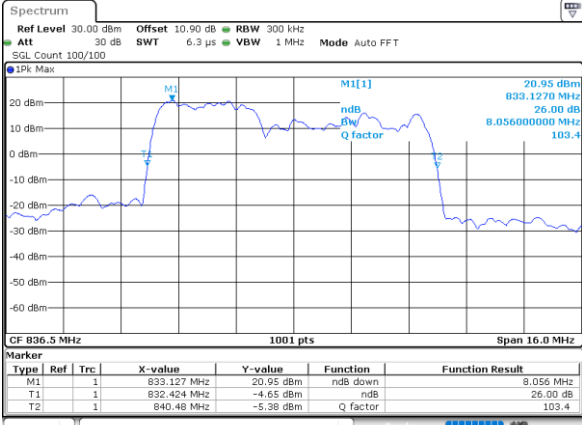
Mode	LTE Band 5B : 26dB BW(MHz)		
256QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	8.09	8.12	14.54
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	16.03	20.98	-



LTE Band 5B

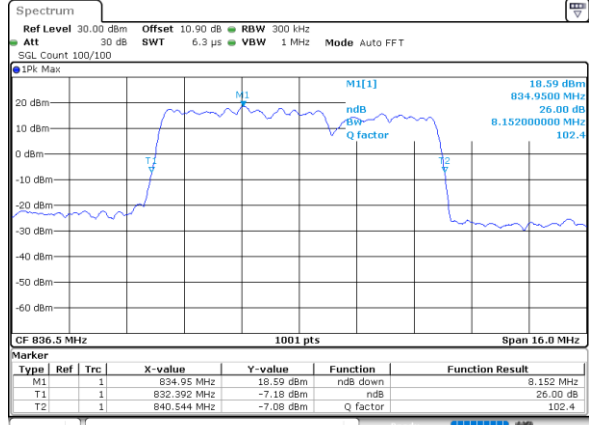
QPSK

Middle Channel / 3MHz+5MHz



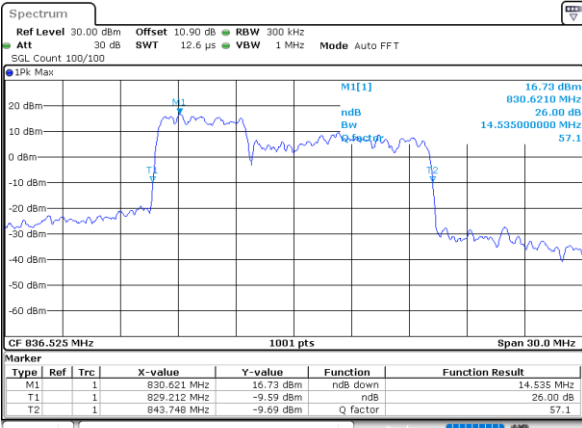
Date: 29 JAN 2022 10:17:57

Middle Channel / 5MHz+3MHz



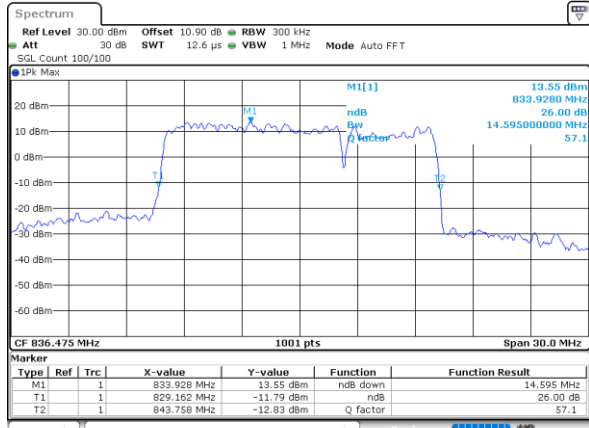
Date: 18 JAN 2022 18:31:56

Middle Channel / 5MHz+10MHz



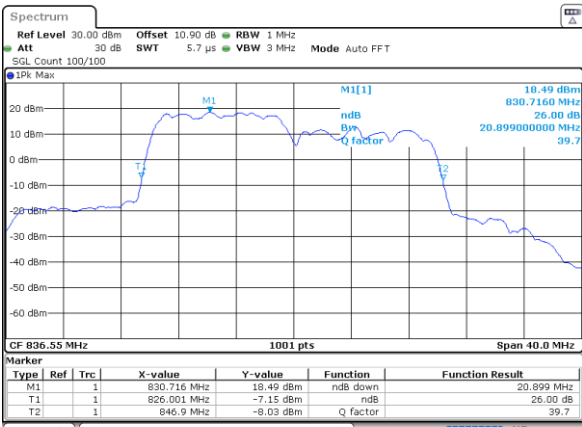
Date: 18 JAN 2022 19:01:53

Middle Channel / 10MHz+5MHz



Date: 18 JAN 2022 19:32:52

Middle Channel / 10MHz+10MHz



Date: 7 FEB 2022 19:12:15

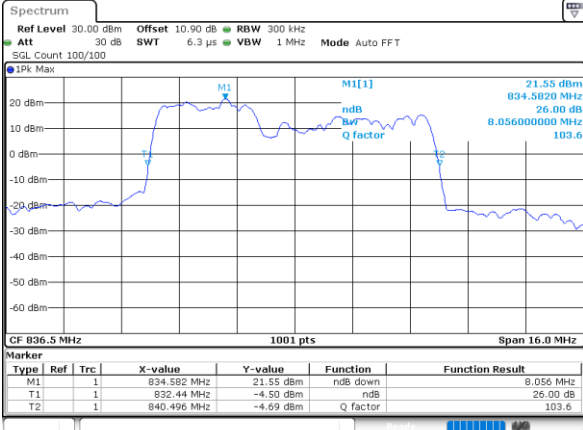
N/A



LTE Band 5B

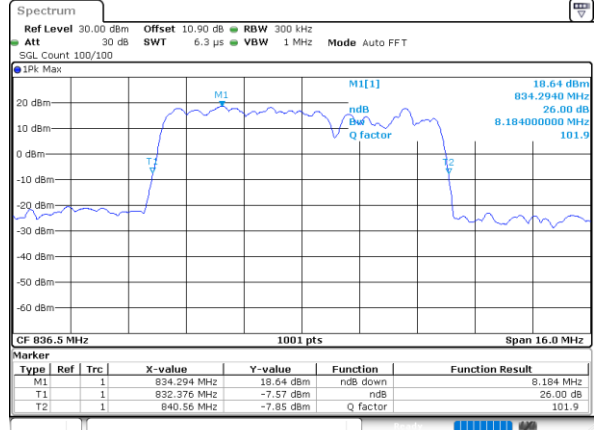
16QAM

Middle Channel / 3MHz+5MHz



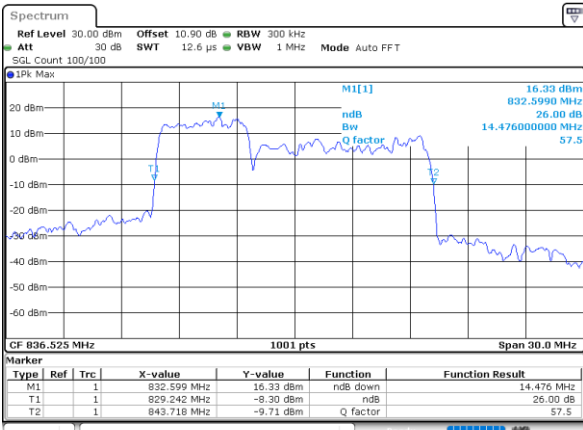
Date: 18\_JAN.2022 17:58:00

Middle Channel / 5MHz+3MHz



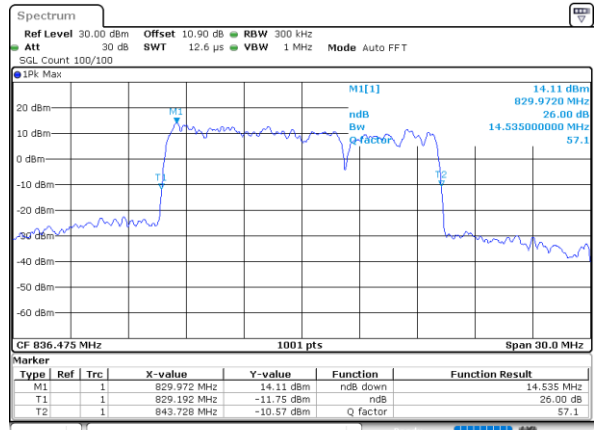
Date: 18\_JAN.2022 18:31:28

Middle Channel / 5MHz+10MHz



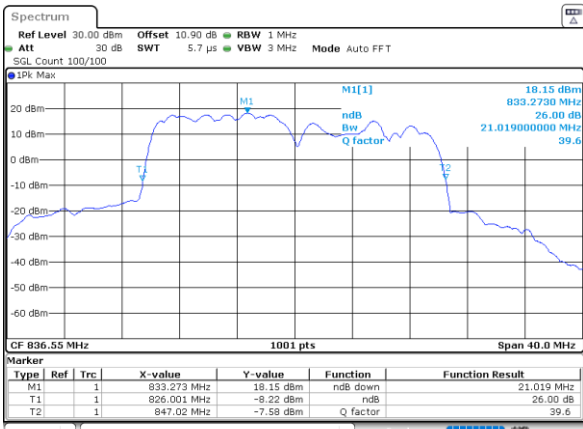
Date: 18\_JAN.2022 19:01:25

Middle Channel / 10MHz+5MHz



Date: 18\_JAN.2022 19:32:24

Middle Channel / 10MHz+10MHz



Date: 7\_FEB.2022 19:11:47

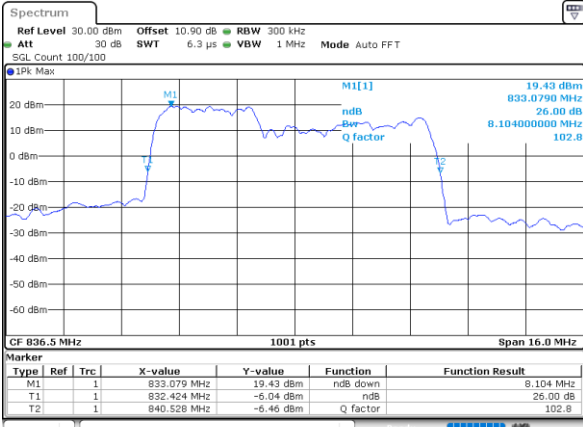
N/A



LTE Band 5B

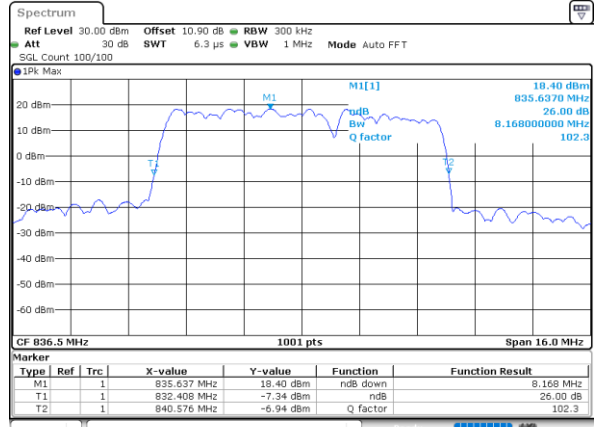
64QAM

Middle Channel / 3MHz+5MHz



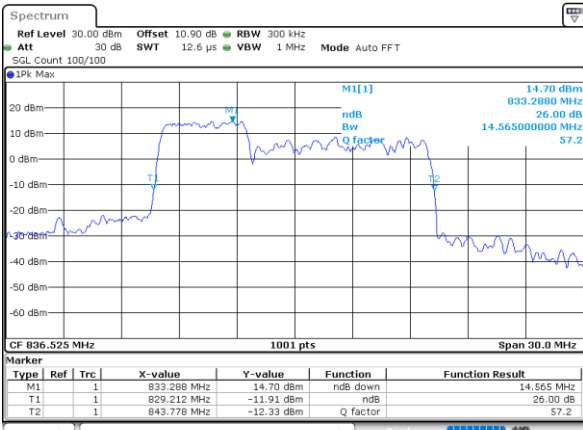
Date: 18\_JAN.2022 17:57:32

Middle Channel / 5MHz+3MHz



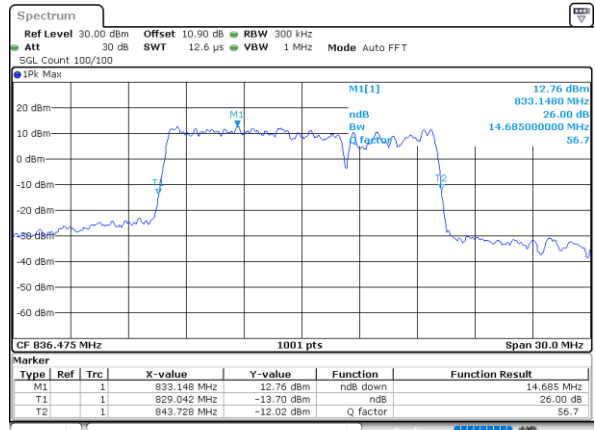
Date: 18\_JAN.2022 18:31:00

Middle Channel / 5MHz+10MHz



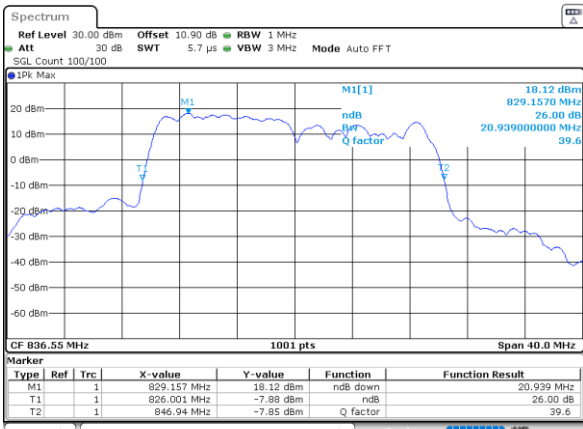
Date: 18\_JAN.2022 19:00:57

Middle Channel / 10MHz+5MHz



Date: 18\_JAN.2022 19:31:56

Middle Channel / 10MHz+10MHz



Date: 7\_FEB.2022 19:11:19

N/A

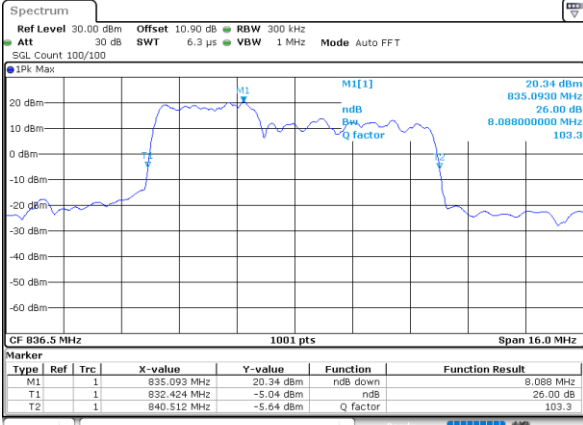




LTE Band 5B

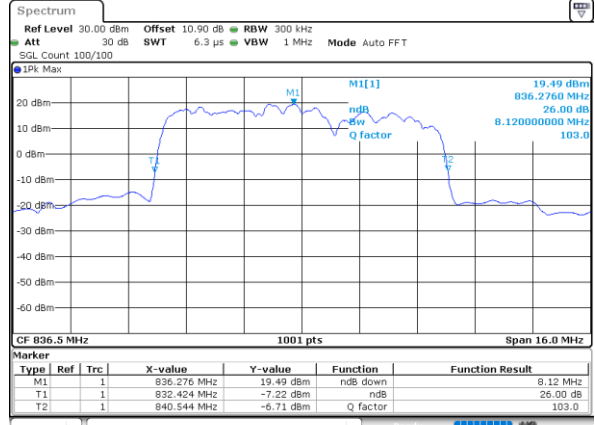
256QAM

Middle Channel / 3MHz+5MHz



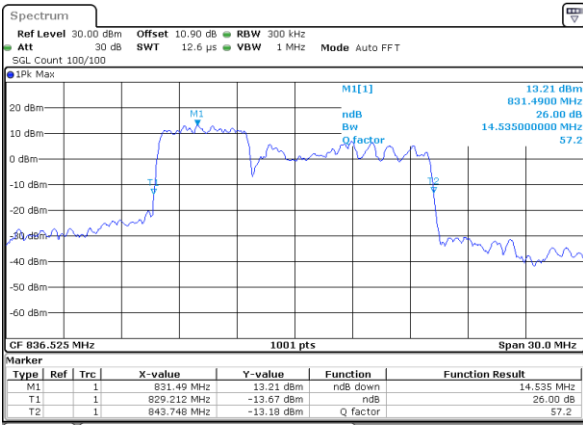
Date: 21\_JAN,2022 17:59:20

Middle Channel / 5MHz+3MHz



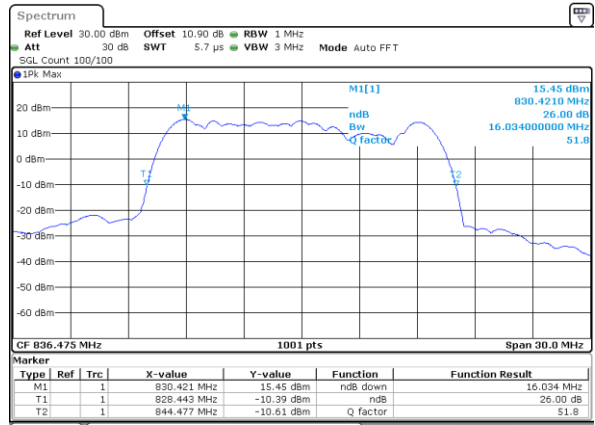
Date: 21\_JAN,2022 18:26:16

Middle Channel / 5MHz+10MHz



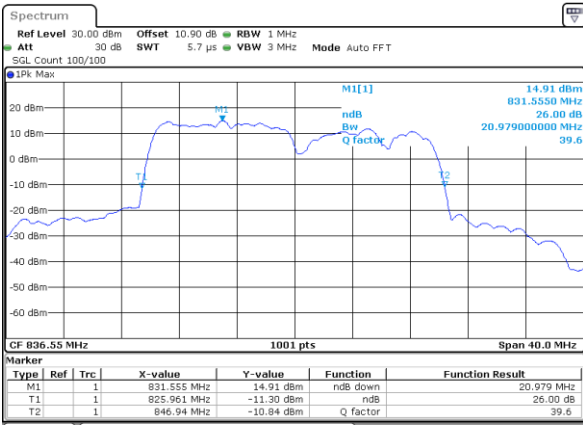
Date: 21\_JAN,2022 18:56:07

Middle Channel / 10MHz+5MHz



Date: 27\_JAN,2022 14:02:42

Middle Channel / 10MHz+10MHz



Date: 27\_JAN,2022 14:17:21

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	-

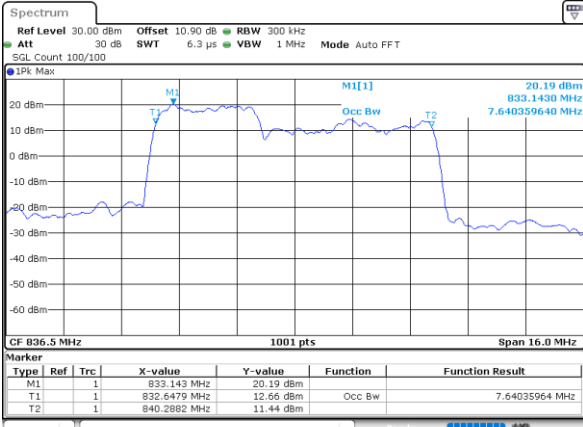
Mode	LTE Band 5B : 99%OBW(MHz)		
254QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.48	7.51	13.76
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.45	18.98	-



LTE Band 5B

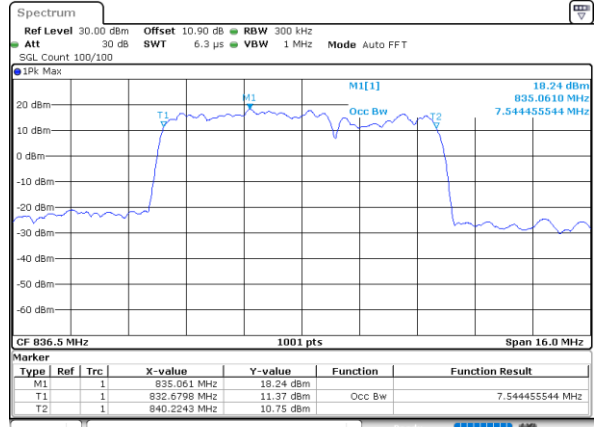
QPSK

Middle Channel / 3MHz+5MHz



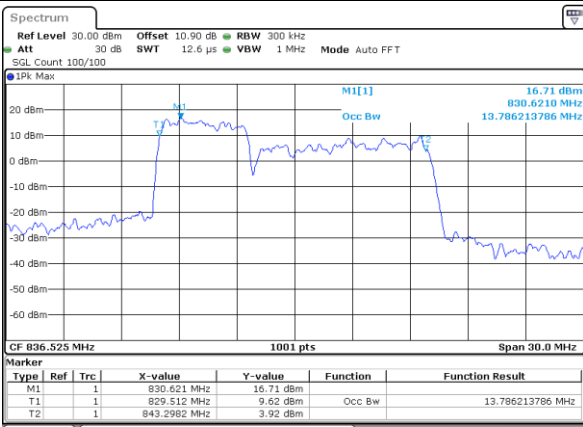
Date: 18\_JAN.2022 17:56:09

Middle Channel / 5MHz+3MHz



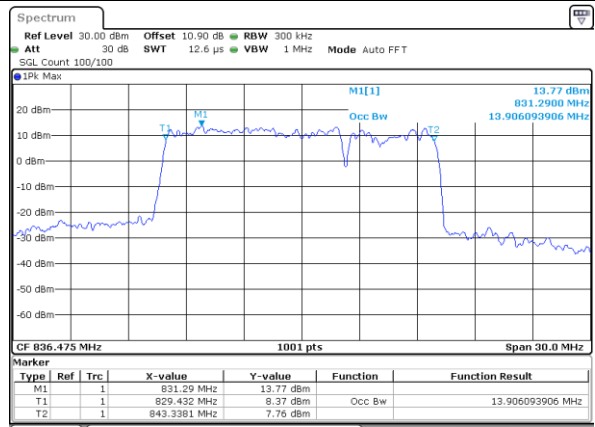
Date: 18\_JAN.2022 18:29:37

Middle Channel / 5MHz+10MHz



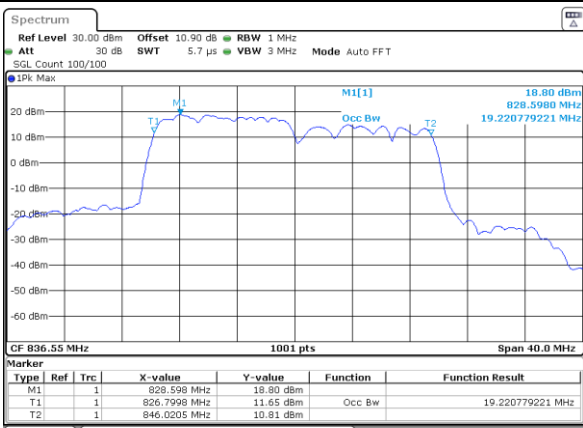
Date: 18\_JAN.2022 18:59:34

Middle Channel / 10MHz+5MHz



Date: 18\_JAN.2022 19:30:33

Middle Channel / 10MHz+10MHz



Date: 7\_FEB.2022 19:09:56

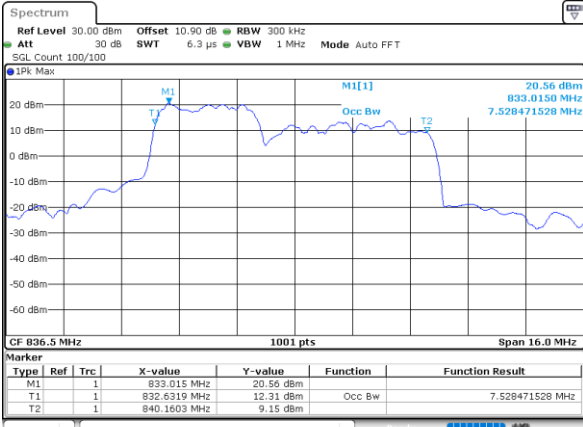
N/A



LTE Band 5B

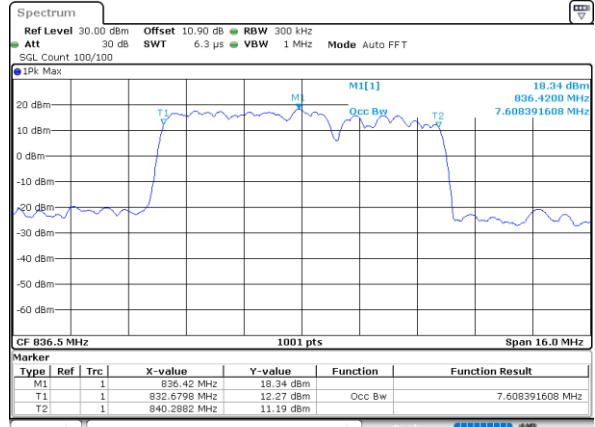
16QAM

Middle Channel / 3MHz+5MHz



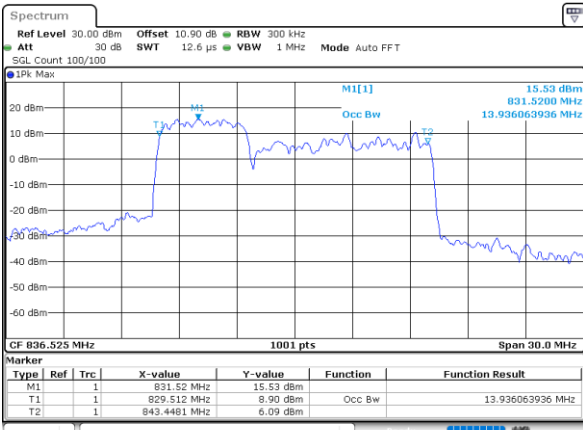
Date: 18\_JAN.2022 17:56:37

Middle Channel / 5MHz+3MHz



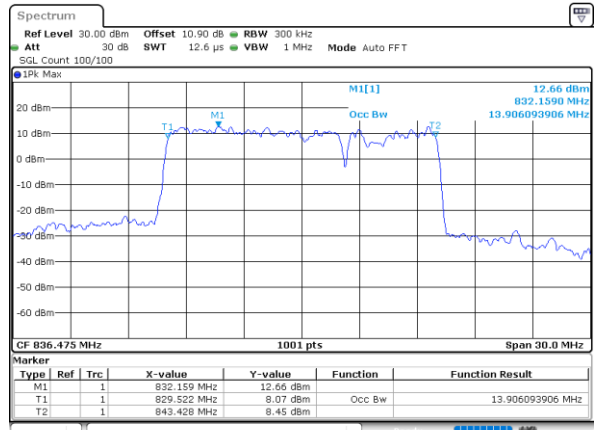
Date: 18\_JAN.2022 18:30:04

Middle Channel / 5MHz+10MHz



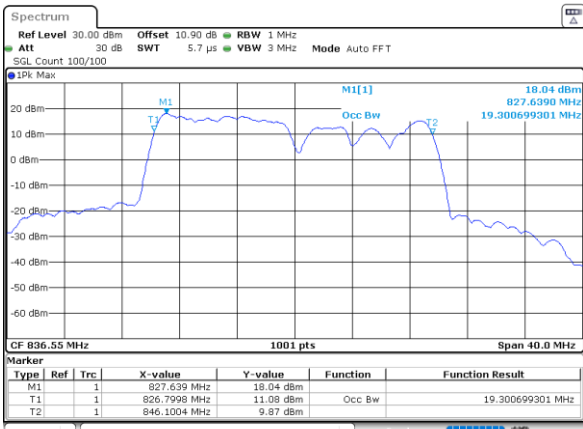
Date: 18\_JAN.2022 19:00:02

Middle Channel / 10MHz+5MHz



Date: 18\_JAN.2022 19:31:01

Middle Channel / 10MHz+10MHz



Date: 7\_FEB.2022 19:10:24

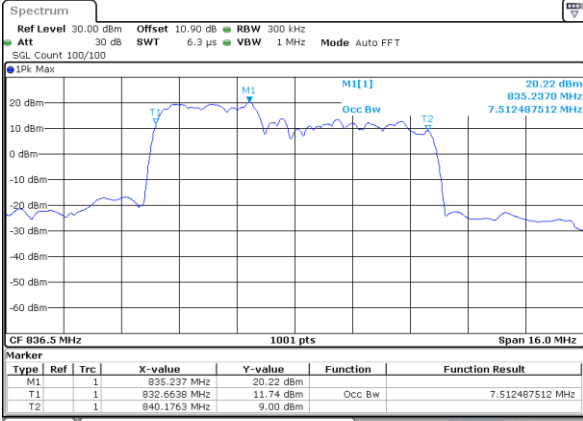
N/A



LTE Band 5B

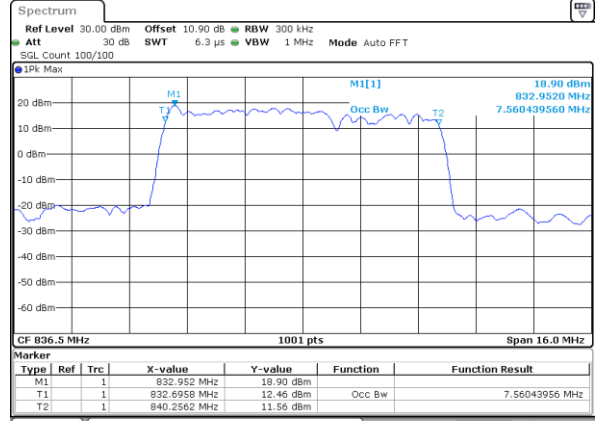
64QAM

Middle Channel / 3MHz+5MHz



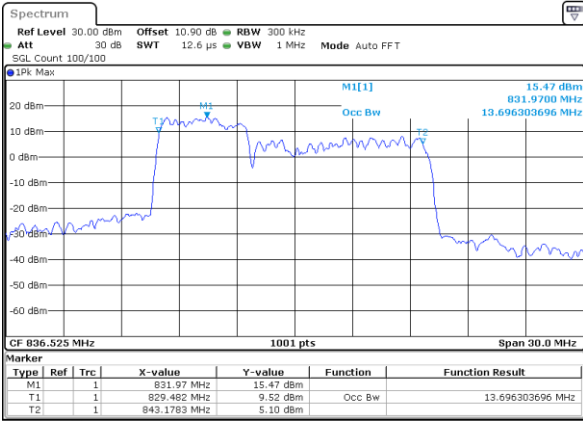
Date: 18\_JAN.2022 17:57:05

Middle Channel / 5MHz+3MHz



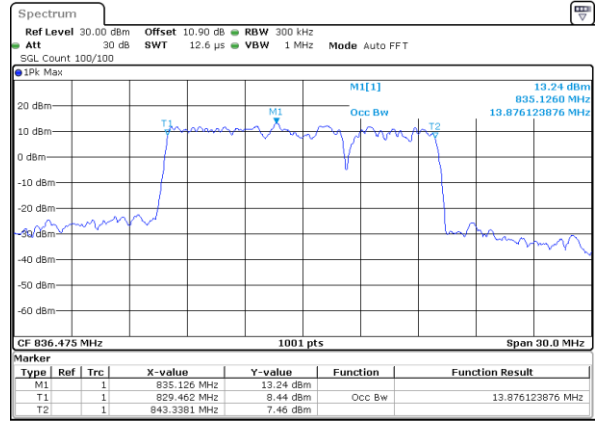
Date: 18\_JAN.2022 18:30:33

Middle Channel / 5MHz+10MHz



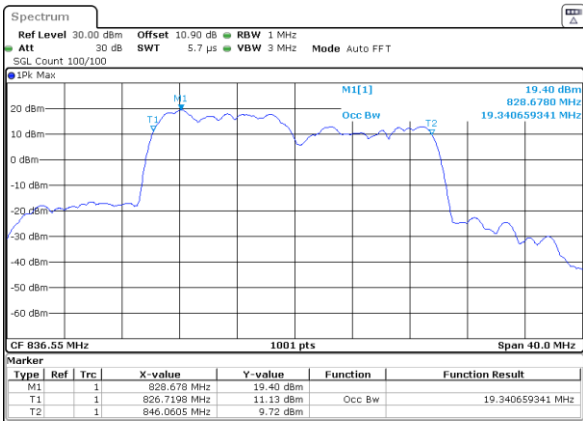
Date: 18\_JAN.2022 19:00:30

Middle Channel / 10MHz+5MHz



Date: 18\_JAN.2022 19:31:29

Middle Channel / 10MHz+10MHz



Date: 7\_FEB.2022 19:10:52

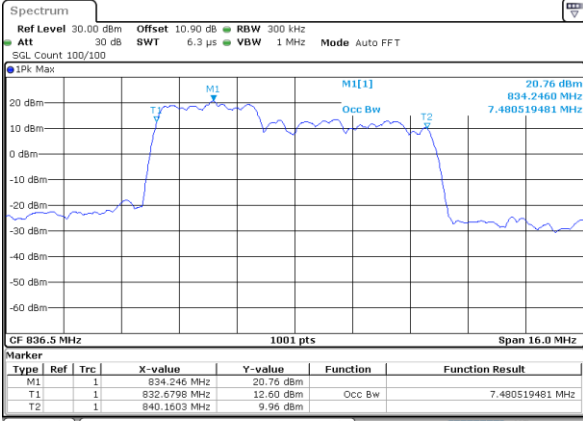
N/A



LTE Band 5B

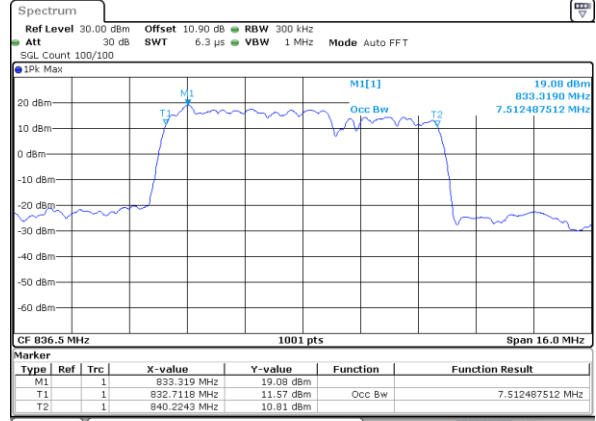
256QAM

Middle Channel / 3MHz+5MHz



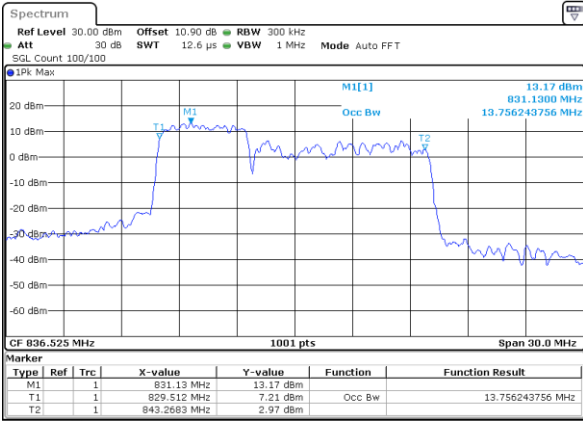
Date: 21\_JAN,2022 17:58:43

Middle Channel / 5MHz+3MHz



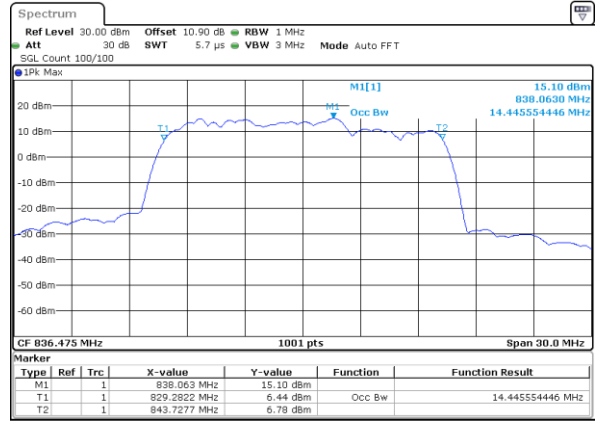
Date: 21\_JAN,2022 18:24:22

Middle Channel / 5MHz+10MHz



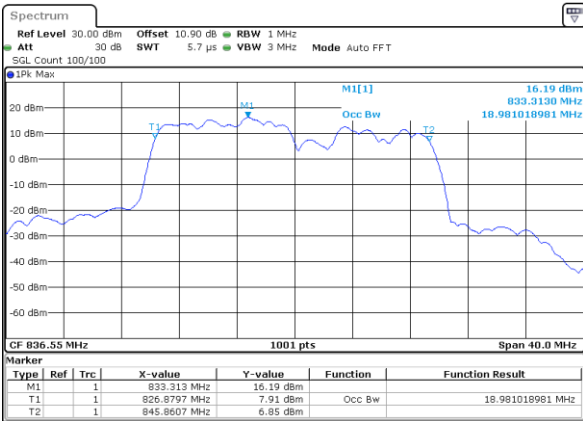
Date: 21\_JAN,2022 18:49:56

Middle Channel / 10MHz+5MHz



Date: 27\_JAN,2022 14:01:32

Middle Channel / 10MHz+10MHz



Date: 27\_JAN,2022 14:16:46

N/A