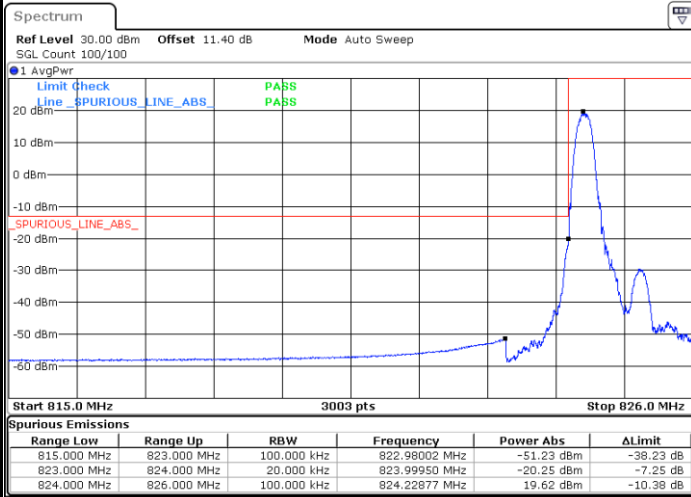




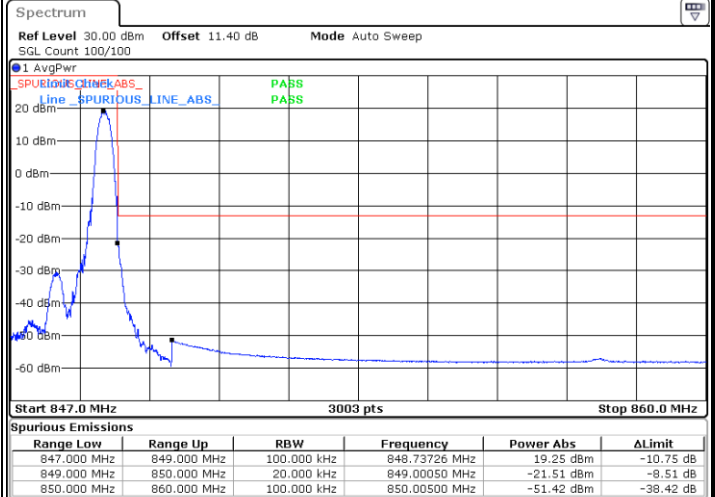
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



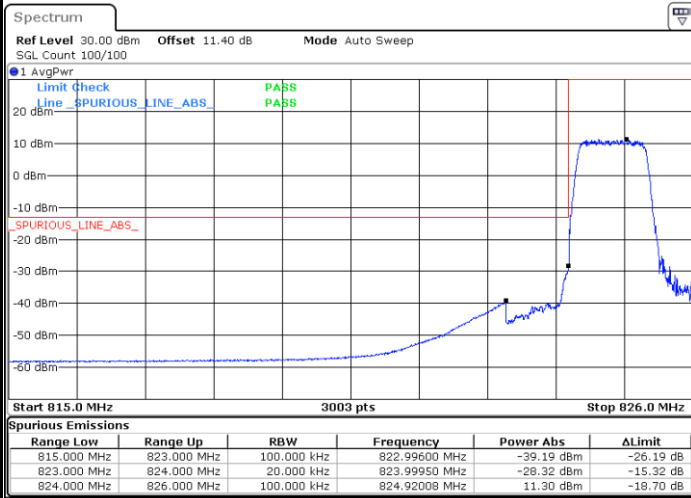
Date: 24.OCT.2021 09:27:33

Highest Band Edge / 1 RB



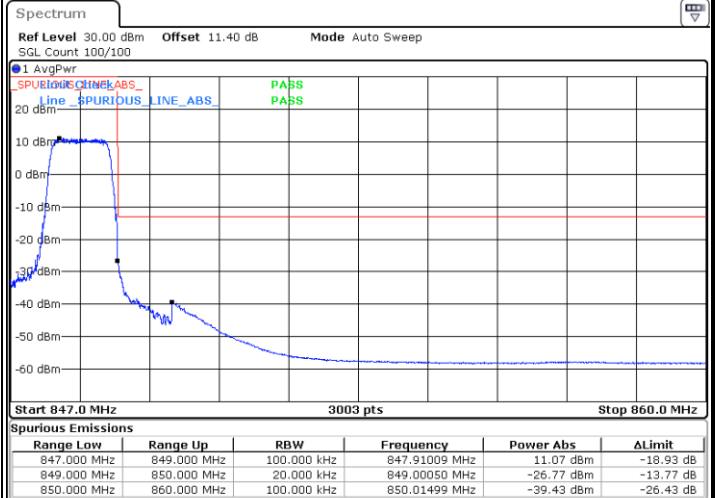
Date: 24.OCT.2021 09:33:46

Lowest Band Edge / Full RB



Date: 24.OCT.2021 09:29:23

Highest Band Edge / Full RB



Date: 24.OCT.2021 09:31:55



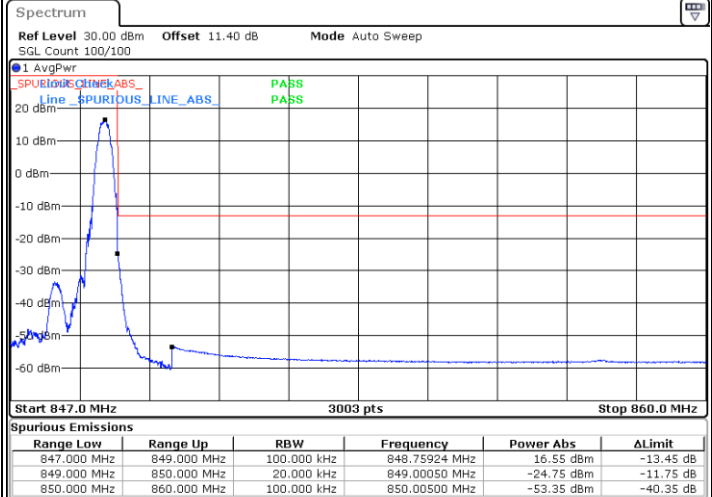
LTE Band 5 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



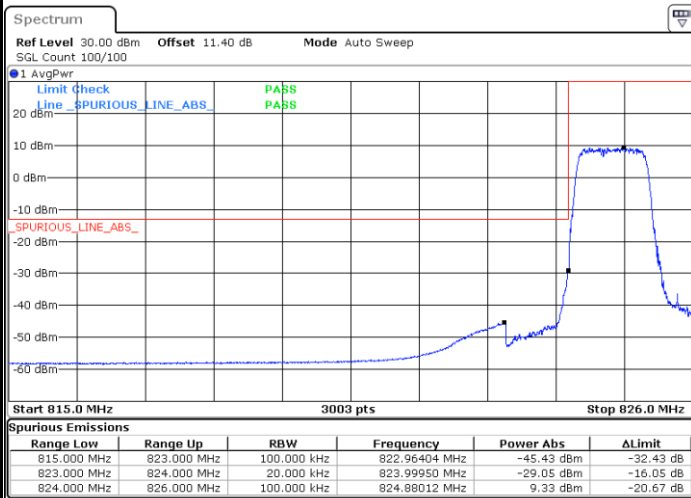
Date: 24.OCT.2021 11:10:12

Highest Band Edge / 1 RB



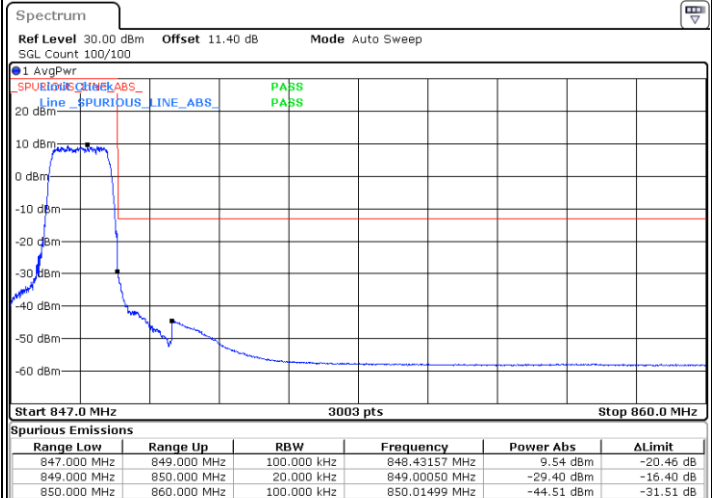
Date: 24.OCT.2021 11:23:01

Lowest Band Edge / Full RB



Date: 24.OCT.2021 11:12:05

Highest Band Edge / Full RB

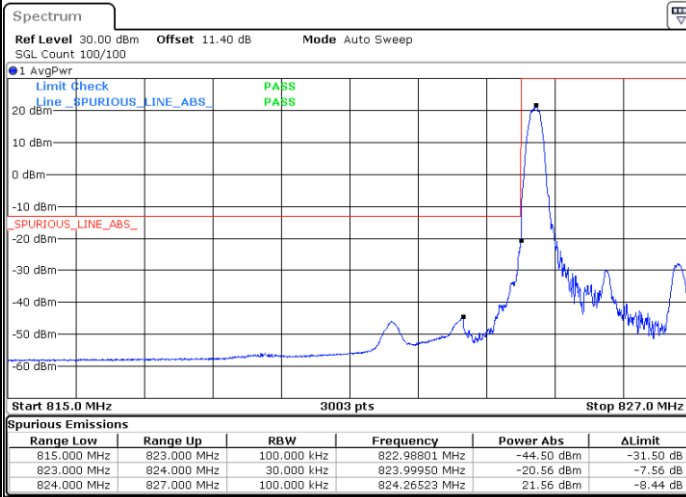


Date: 24.OCT.2021 11:17:58



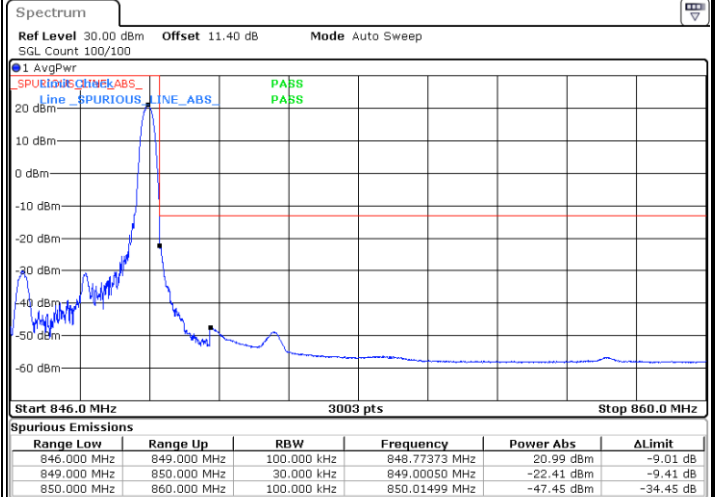
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



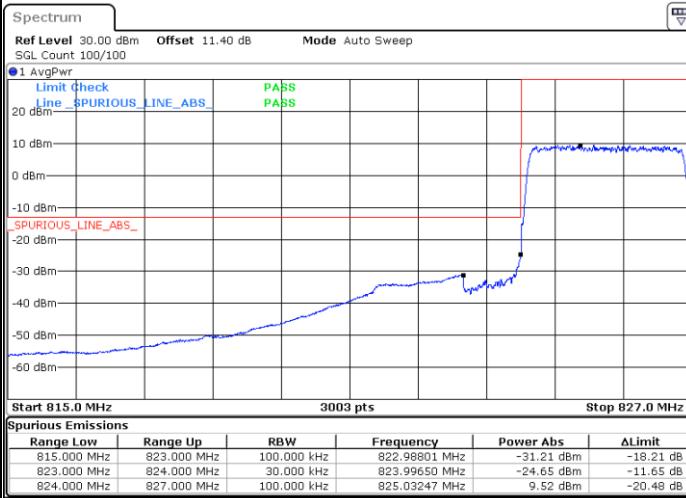
Date: 24.OCT.2021 09:35:37

Highest Band Edge / 1 RB



Date: 24.OCT.2021 09:46:24

Lowest Band Edge / Full RB



Date: 24.OCT.2021 09:39:19

Highest Band Edge / Full RB

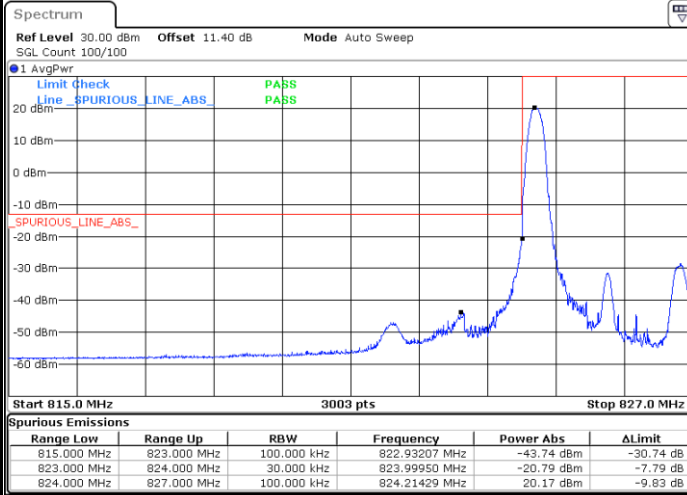


Date: 24.OCT.2021 09:50:05



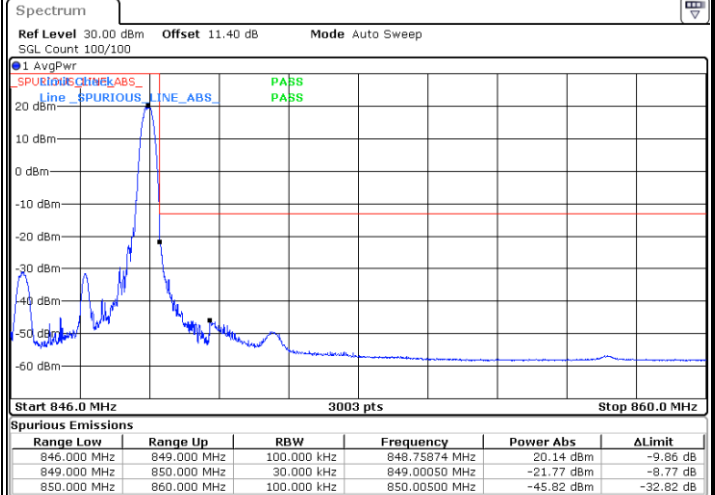
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



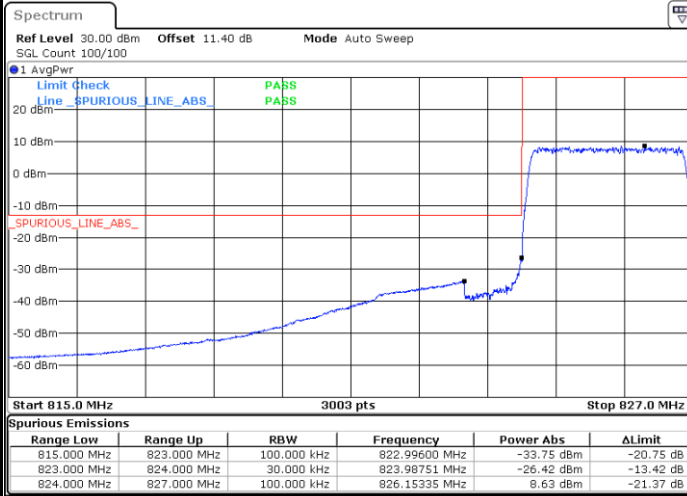
Date: 24.OCT.2021 09:37:28

Highest Band Edge / 1 RB



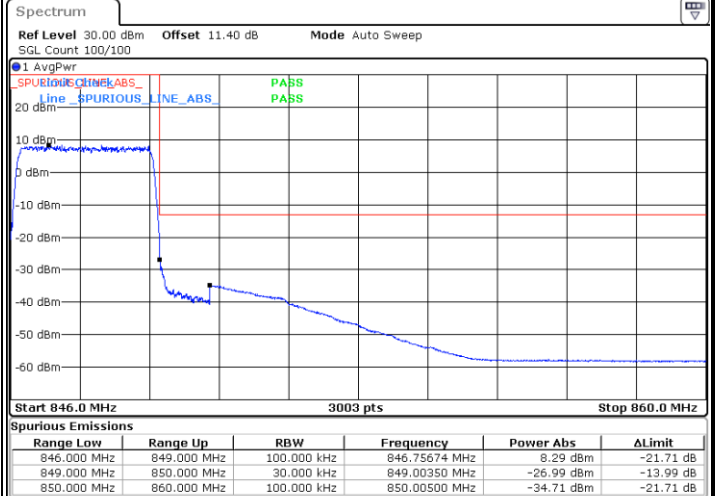
Date: 24.OCT.2021 09:48:15

Lowest Band Edge / Full RB



Date: 24.OCT.2021 09:41:09

Highest Band Edge / Full RB

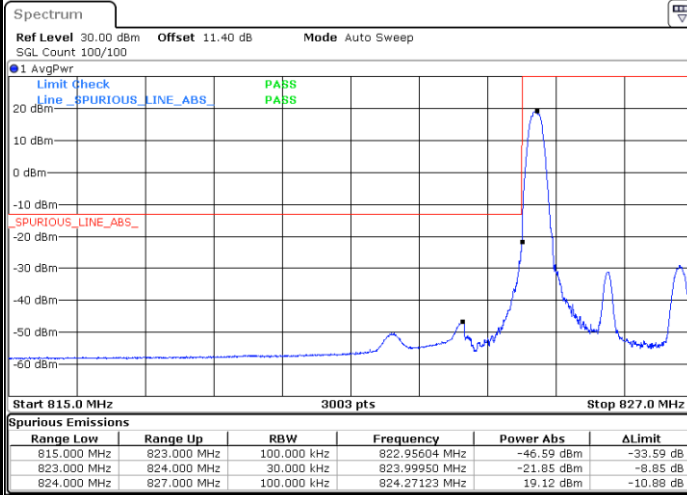


Date: 24.OCT.2021 09:51:56

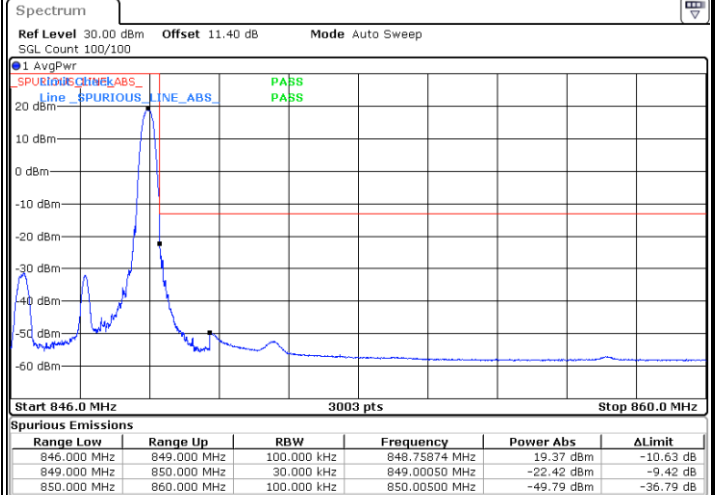


LTE Band 5 / 3MHz / 64QAM

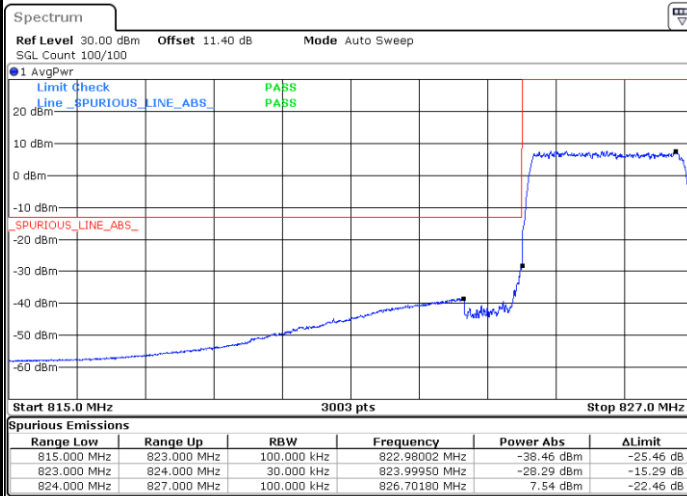
Lowest Band Edge / 1 RB



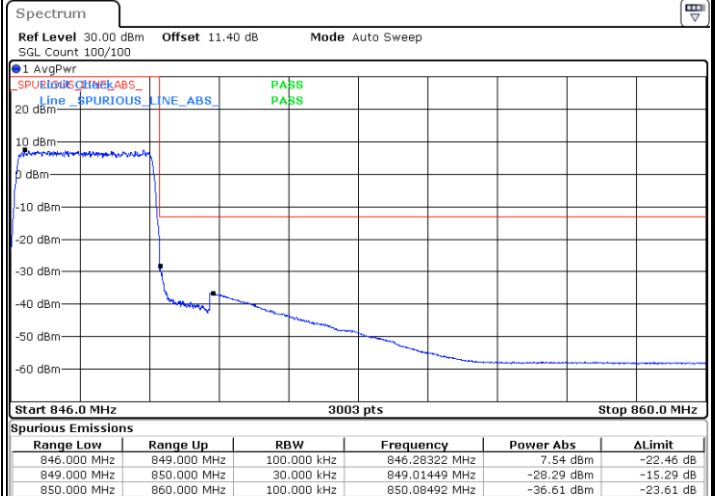
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



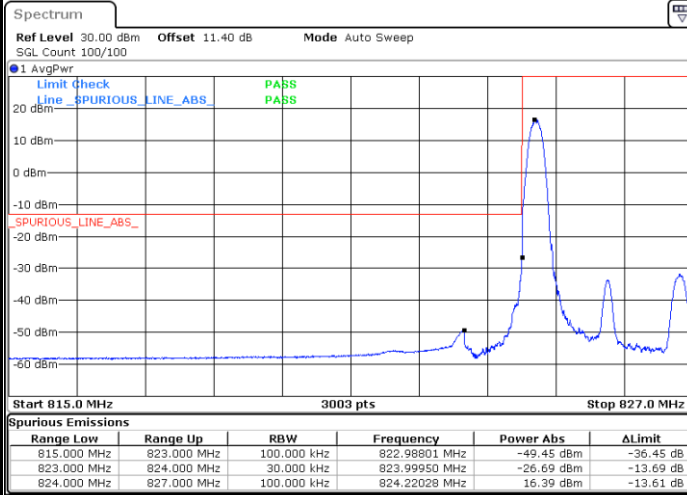
Highest Band Edge / Full RB





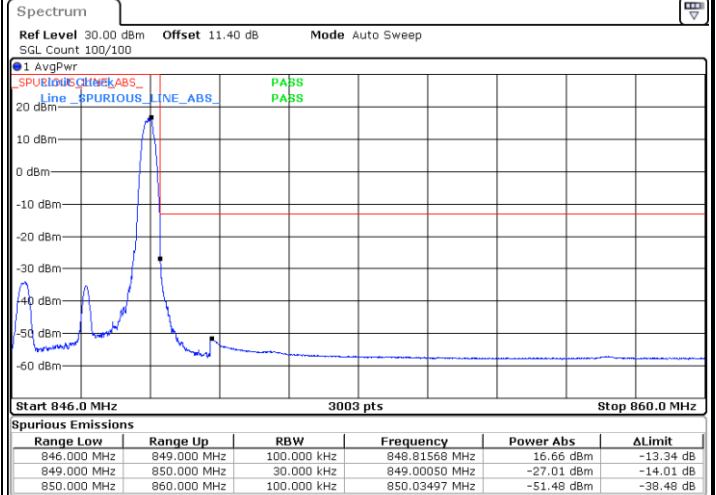
LTE Band 5 / 3MHz / 256QAM

Lowest Band Edge / 1 RB



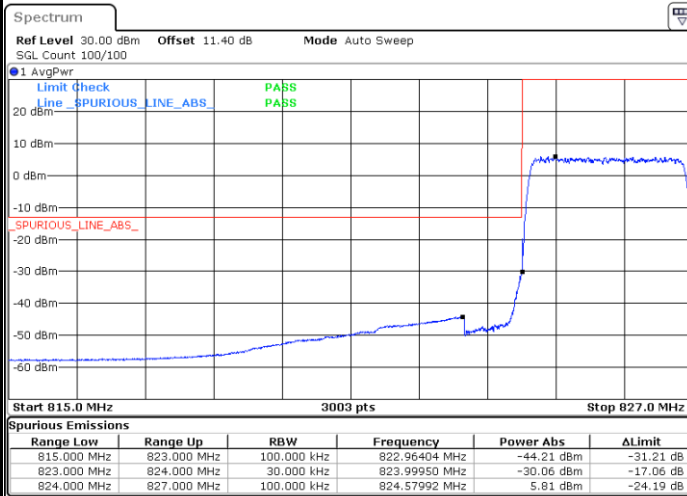
Date: 24.OCT.2021 11:25:10

Highest Band Edge / 1 RB



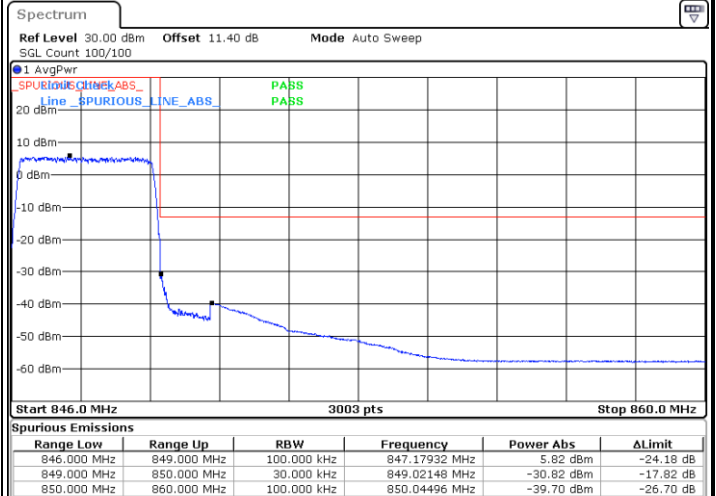
Date: 24.OCT.2021 11:42:08

Lowest Band Edge / Full RB



Date: 24.OCT.2021 11:39:20

Highest Band Edge / Full RB

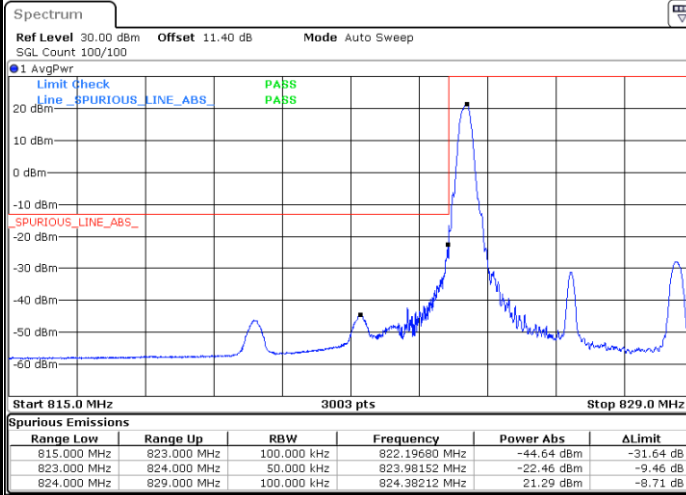


Date: 24.OCT.2021 11:43:58

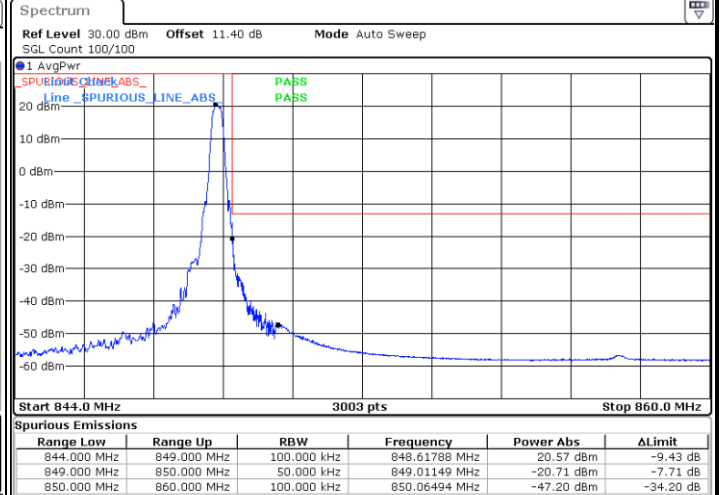


LTE Band 5 / 5MHz / QPSK

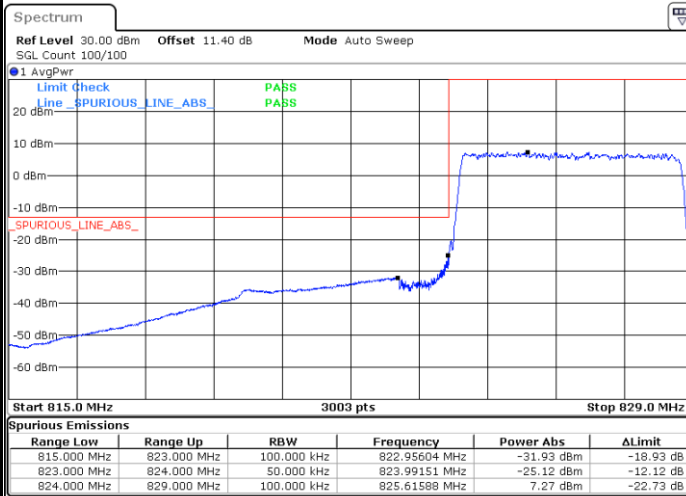
Lowest Band Edge / 1 RB



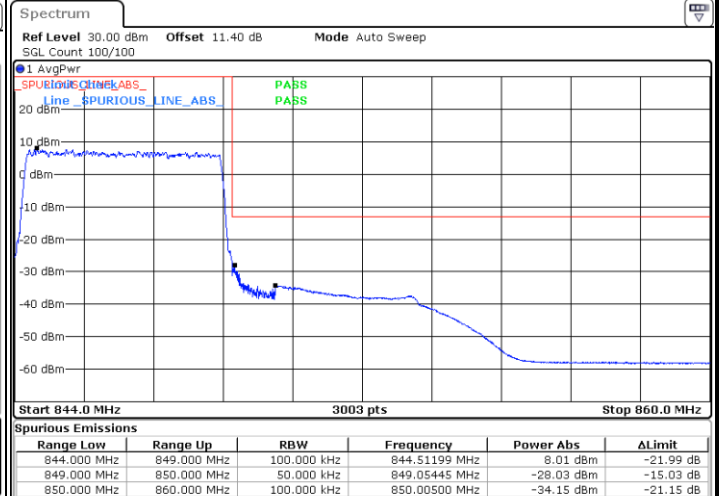
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



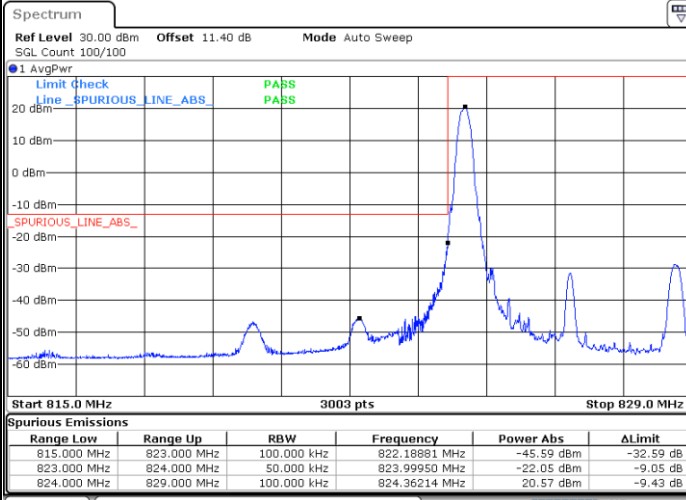
Highest Band Edge / Full RB





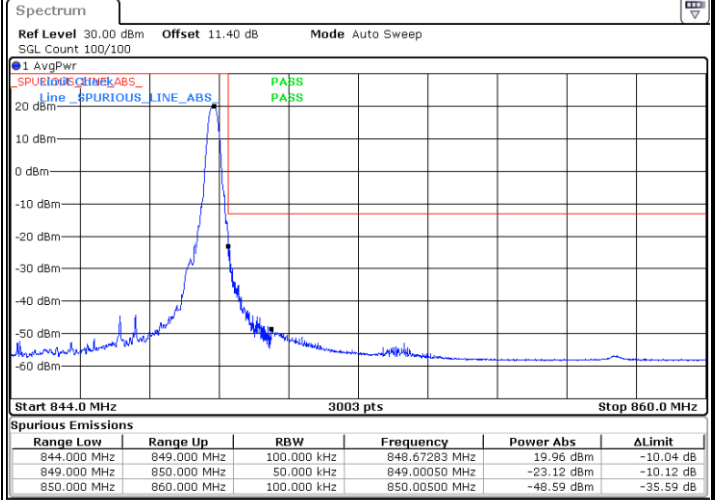
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



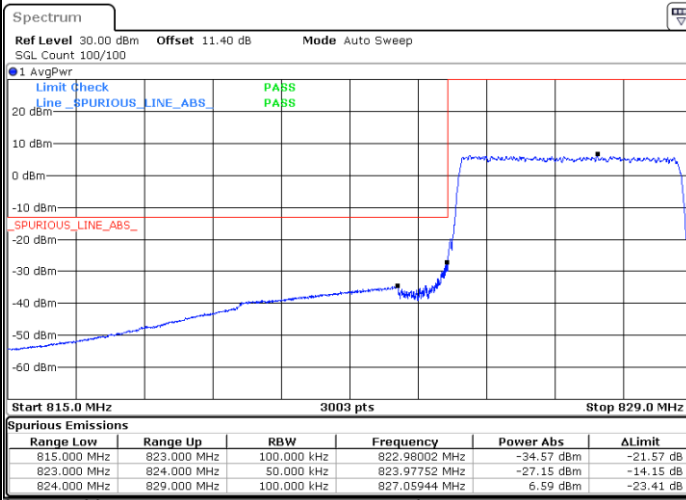
Date: 24.OCT.2021 10:05:21

Highest Band Edge / 1 RB



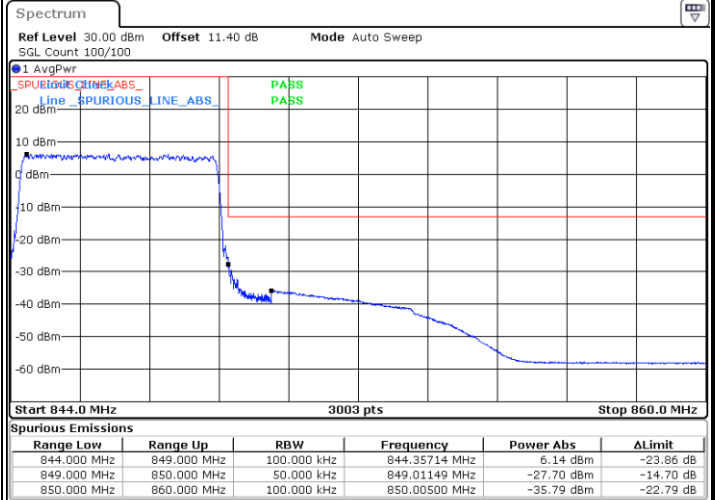
Date: 24.OCT.2021 10:16:07

Lowest Band Edge / Full RB



Date: 24.OCT.2021 10:09:02

Highest Band Edge / Full RB

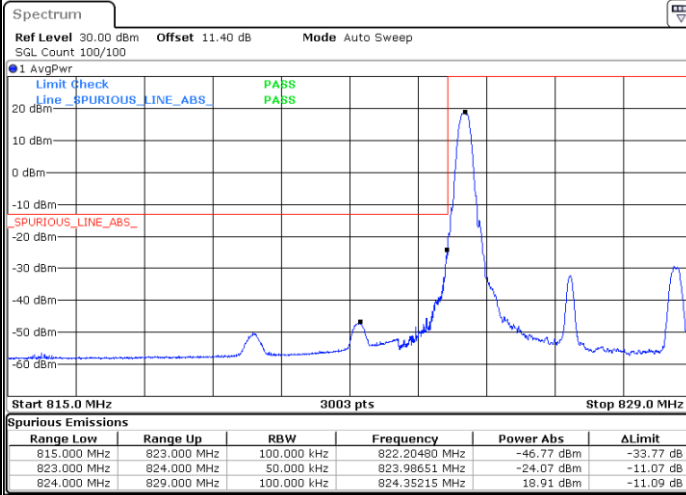


Date: 24.OCT.2021 10:20:36



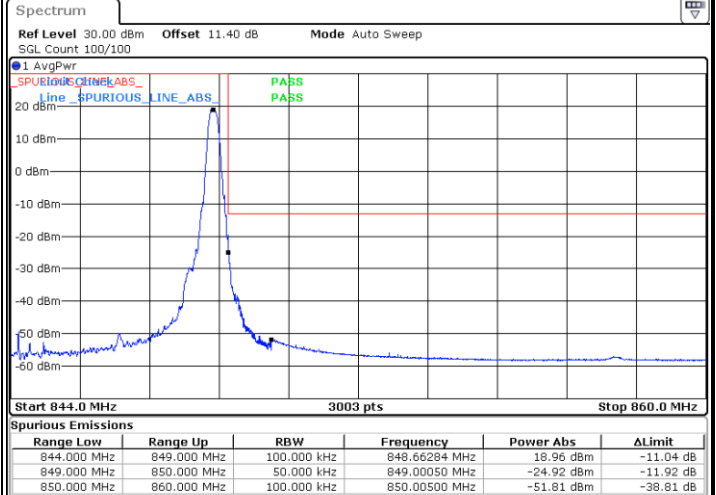
LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



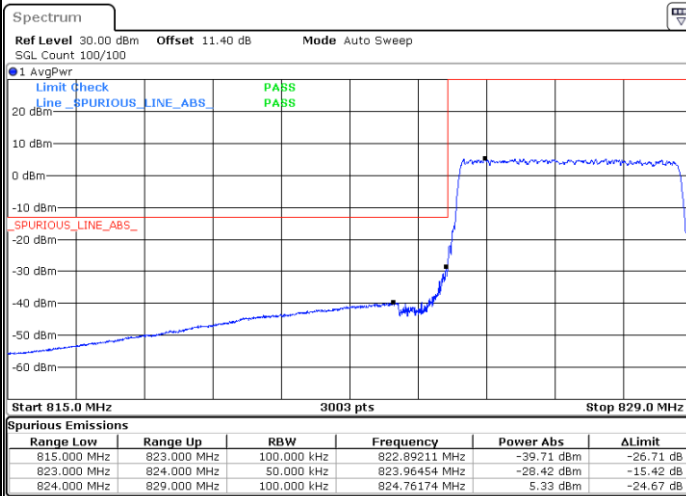
Date: 24.OCT.2021 10:23:07

Highest Band Edge / 1 RB



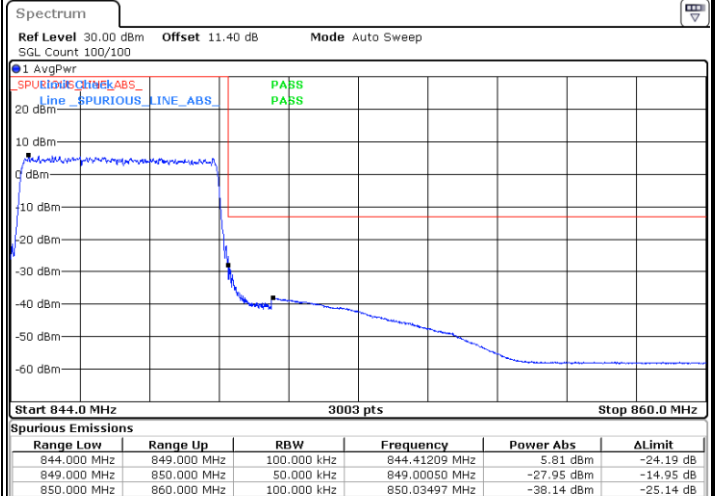
Date: 24.OCT.2021 10:27:29

Lowest Band Edge / Full RB



Date: 24.OCT.2021 10:24:57

Highest Band Edge / Full RB

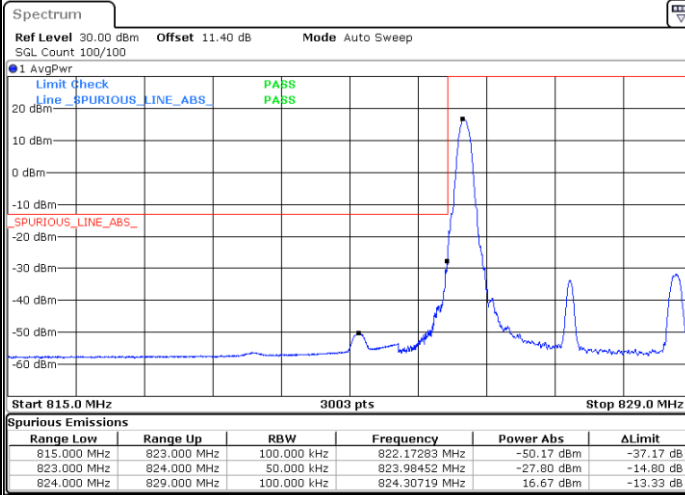


Date: 24.OCT.2021 10:29:20



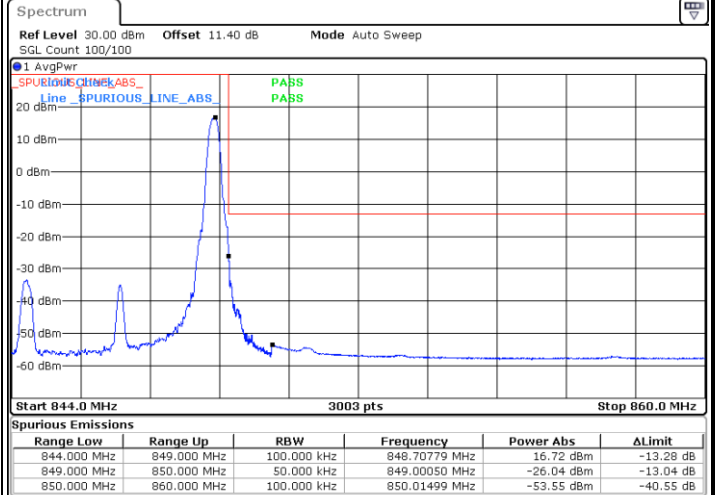
LTE Band 5 / 5MHz / 256QAM

Lowest Band Edge / 1RB



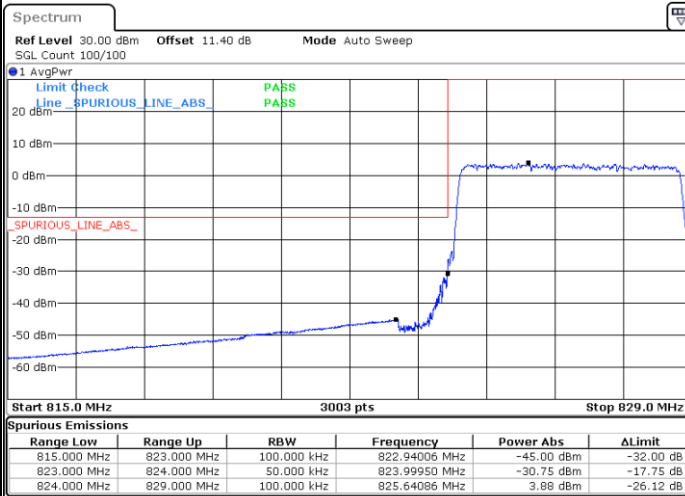
Date: 24.OCT.2021 11:56:30

Highest Band Edge / 1 RB



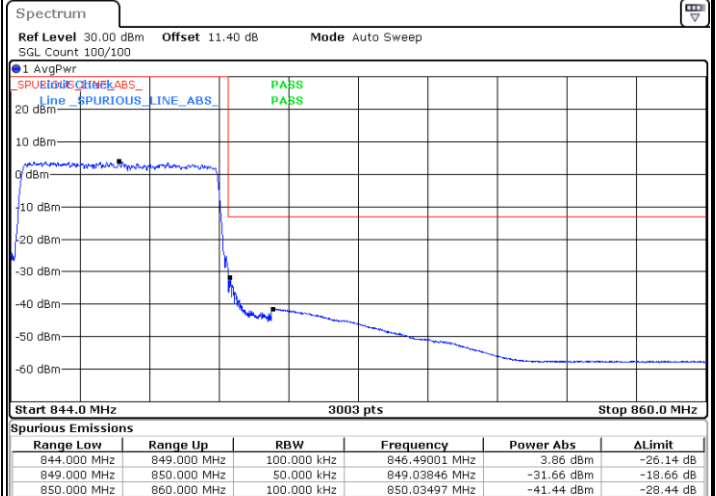
Date: 24.OCT.2021 12:01:46

Lowest Band Edge / Full RB



Date: 24.OCT.2021 11:58:57

Highest Band Edge / Full RB

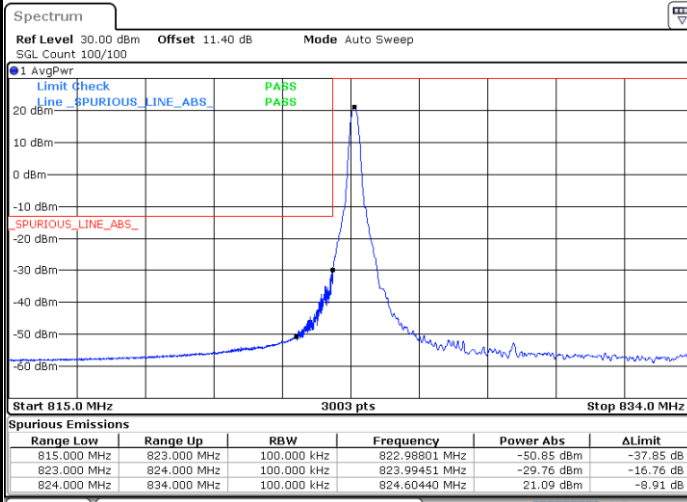


Date: 24.OCT.2021 12:03:41



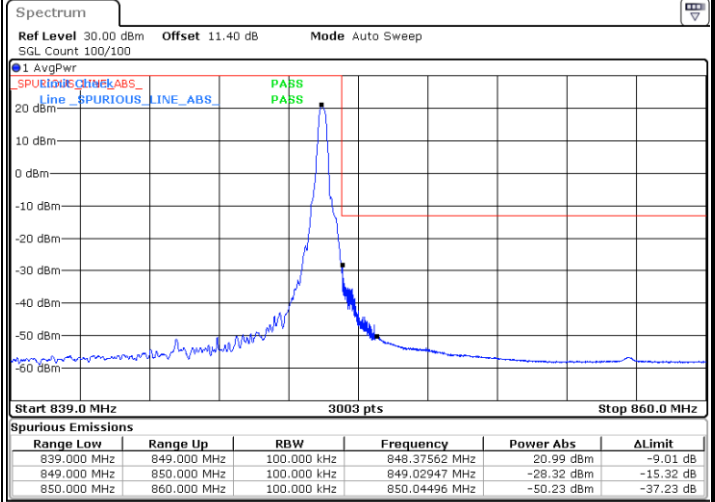
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



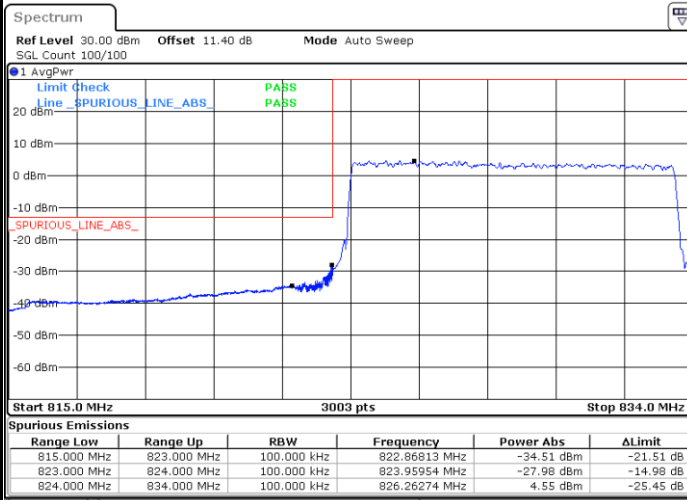
Date: 24.OCT.2021 10:31:11

Highest Band Edge / 1 RB



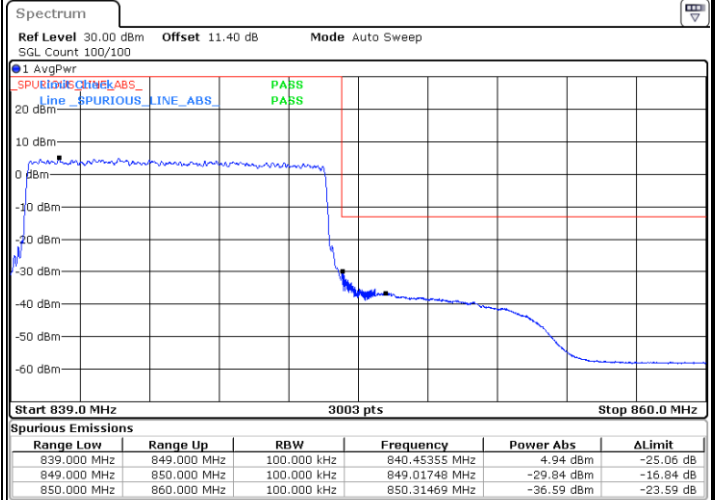
Date: 24.OCT.2021 10:44:47

Lowest Band Edge / Full RB



Date: 24.OCT.2021 10:34:52

Highest Band Edge / Full RB

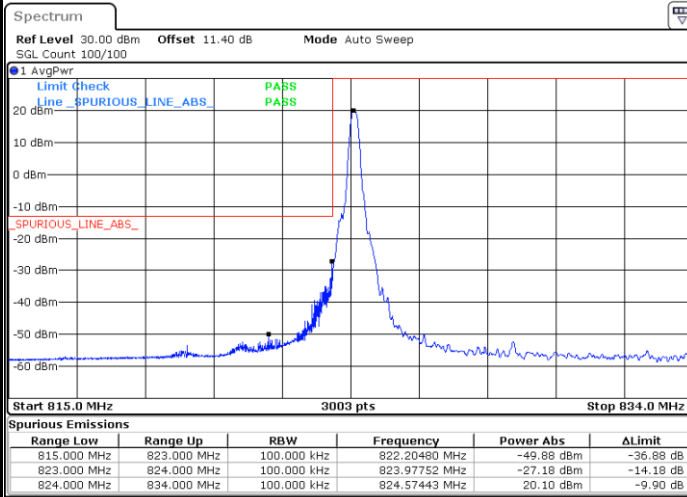


Date: 24.OCT.2021 10:55:57



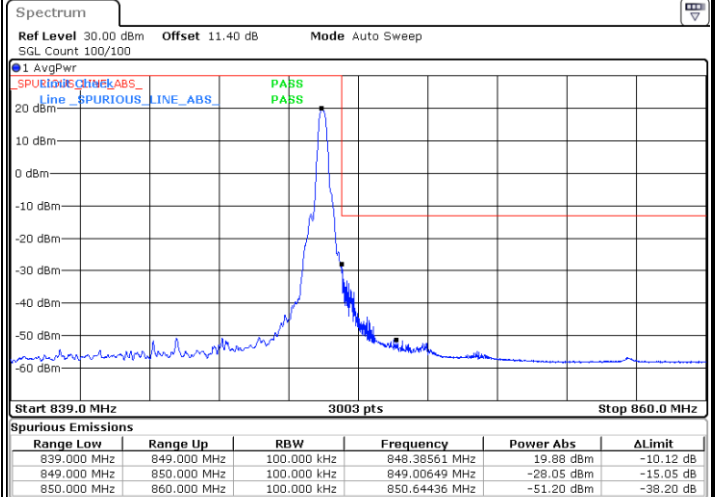
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



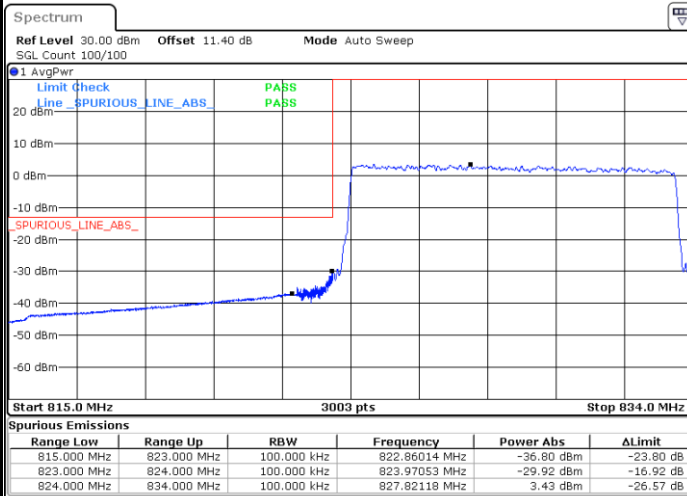
Date: 24.OCT.2021 10:33:02

Highest Band Edge / 1 RB



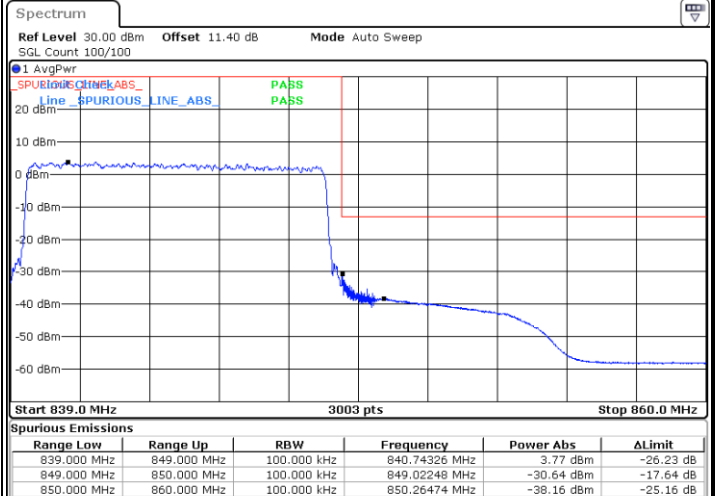
Date: 24.OCT.2021 10:52:33

Lowest Band Edge / Full RB



Date: 24.OCT.2021 10:36:43

Highest Band Edge / Full RB

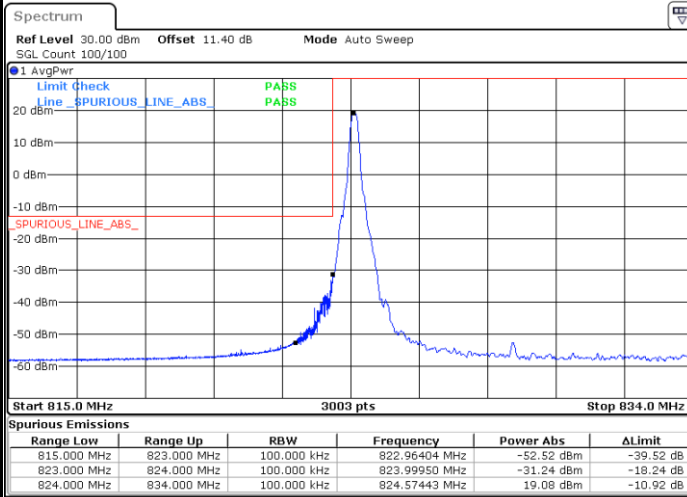


Date: 24.OCT.2021 10:57:47



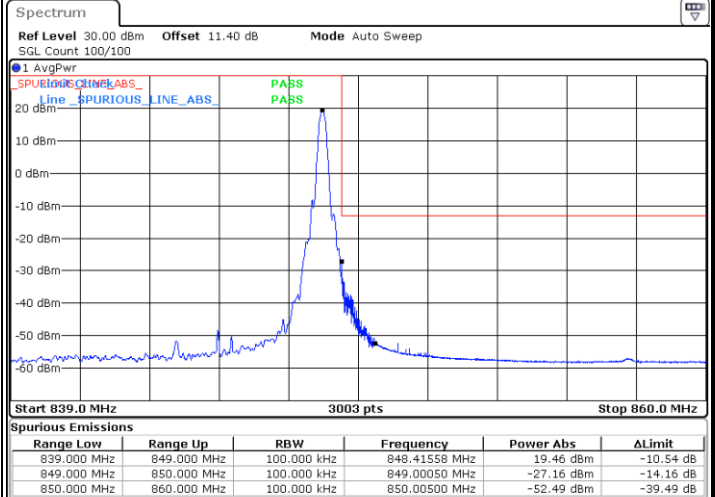
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



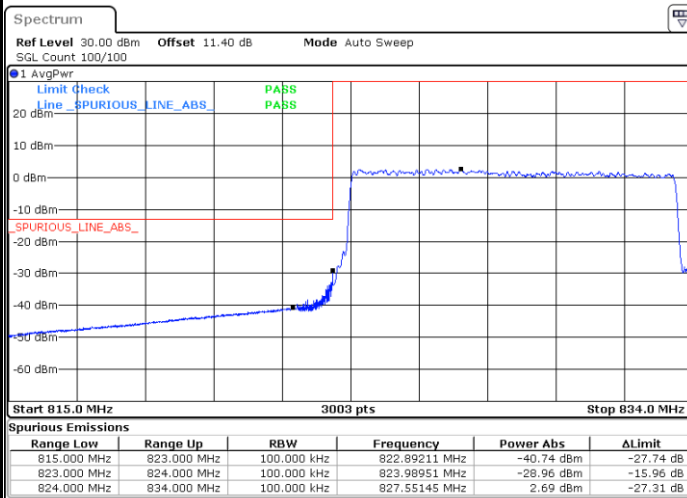
Date: 24.OCT.2021 11:00:19

Highest Band Edge / 1 RB



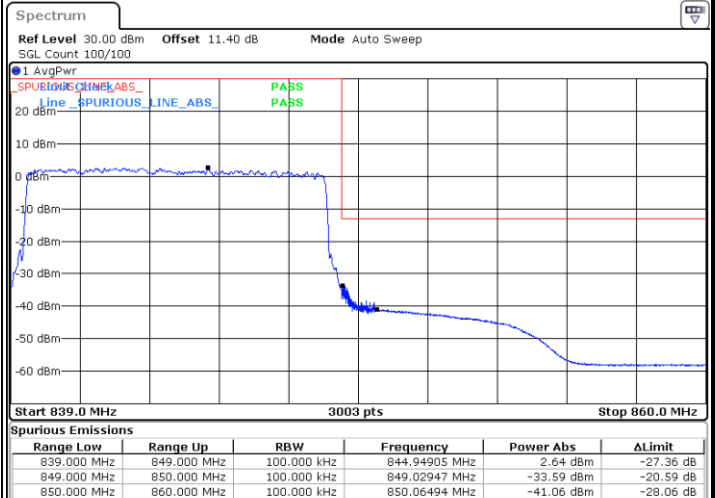
Date: 24.OCT.2021 11:04:41

Lowest Band Edge / Full RB



Date: 24.OCT.2021 11:02:09

Highest Band Edge / Full RB

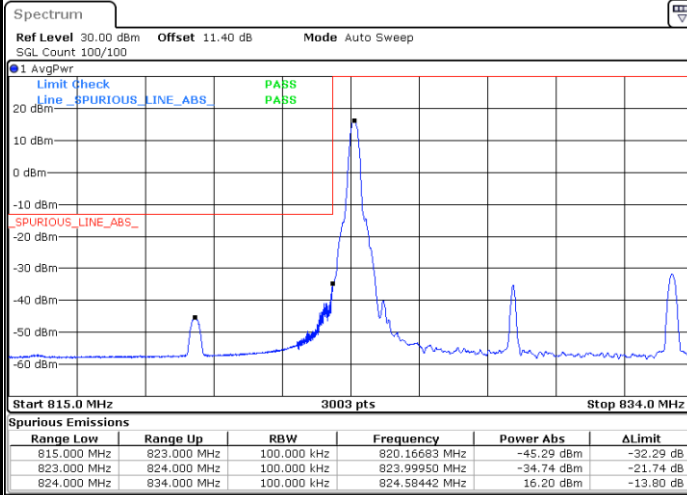


Date: 24.OCT.2021 11:06:32



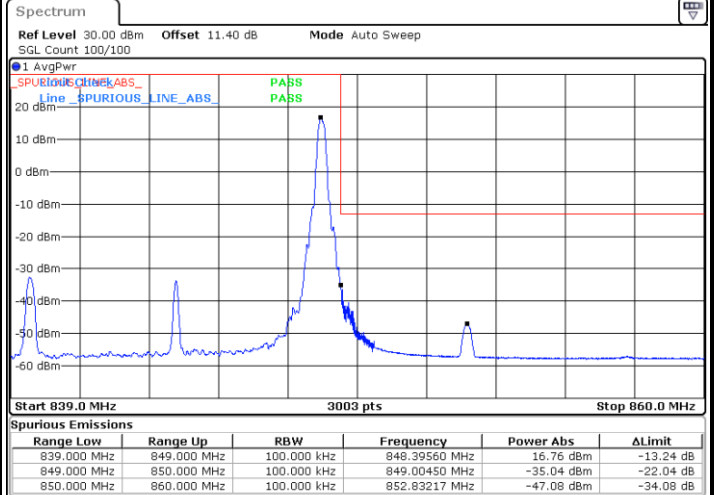
LTE Band 5 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



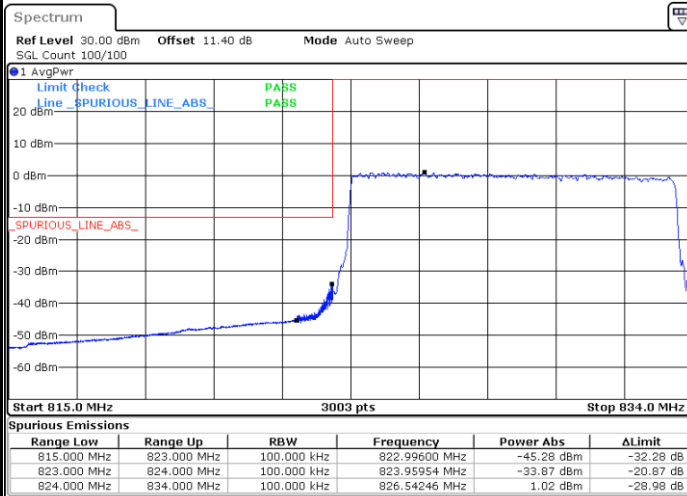
Date: 24.OCT.2021 12:07:44

Highest Band Edge / 1 RB



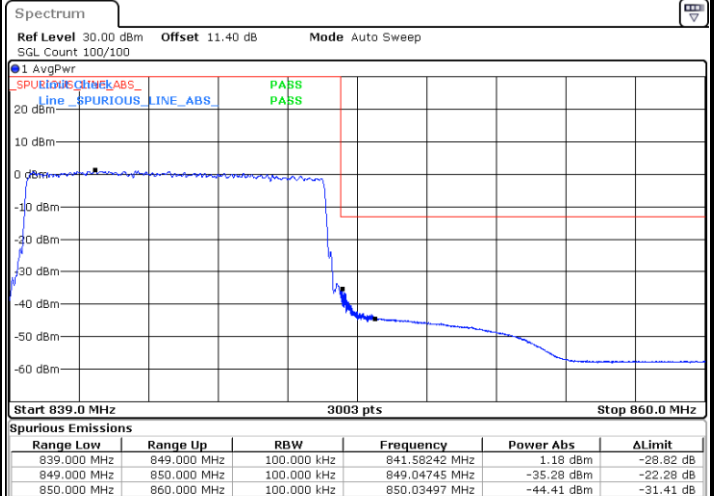
Date: 24.OCT.2021 12:15:25

Lowest Band Edge / Full RB



Date: 24.OCT.2021 12:09:37

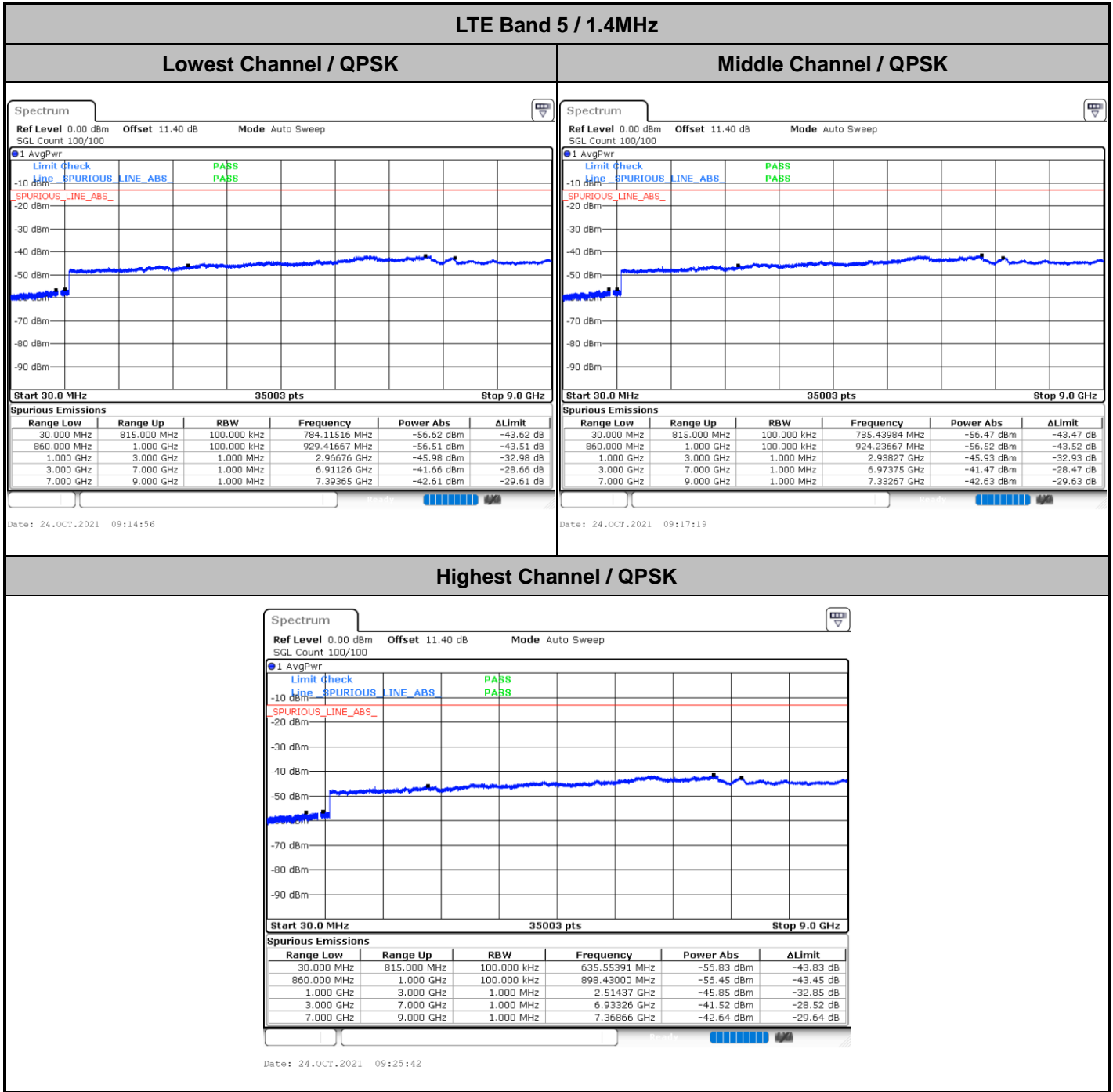
Highest Band Edge / Full RB



Date: 24.OCT.2021 12:20:01



Conducted Spurious Emission

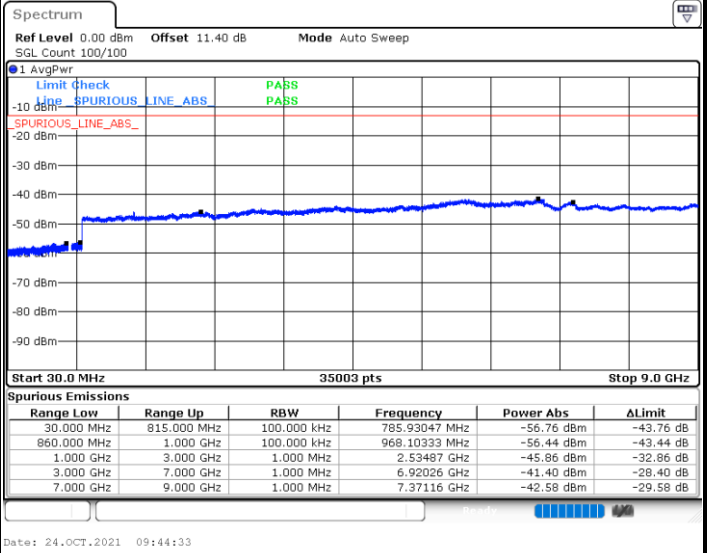
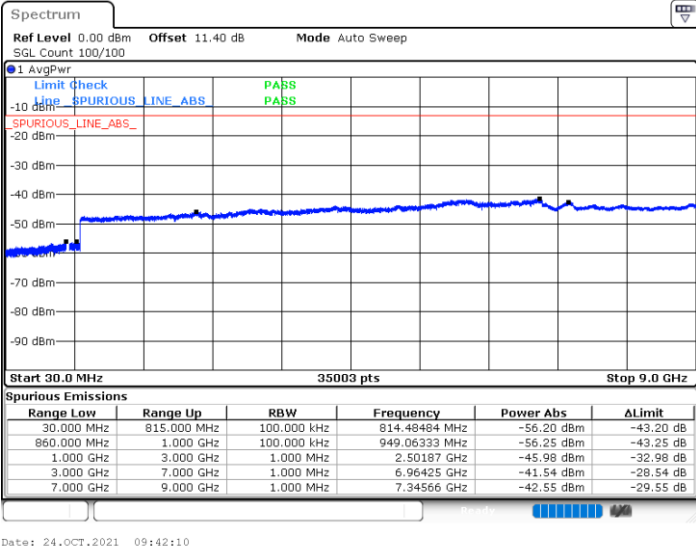




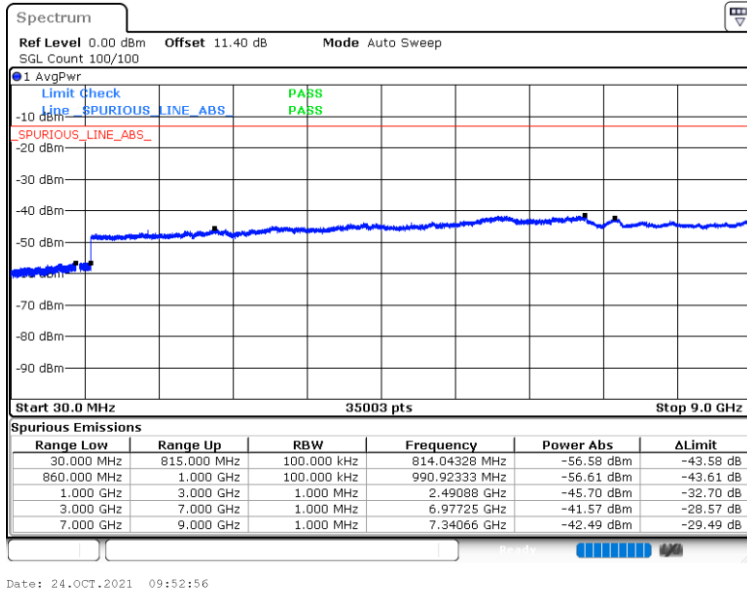
LTE Band 5 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

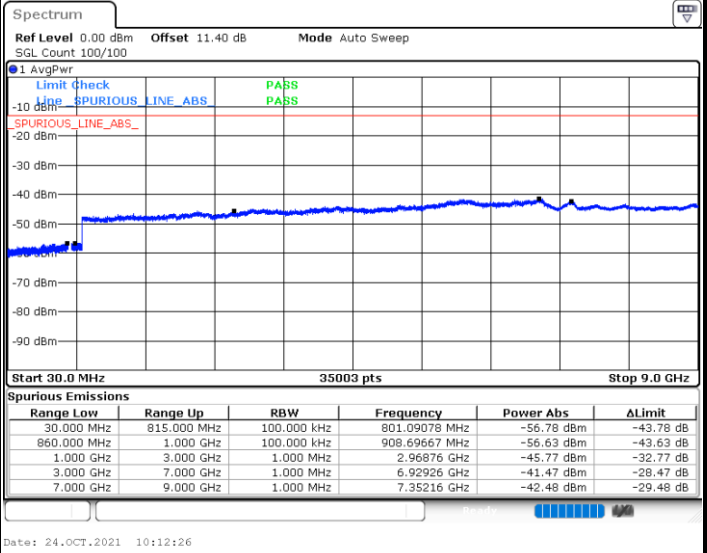
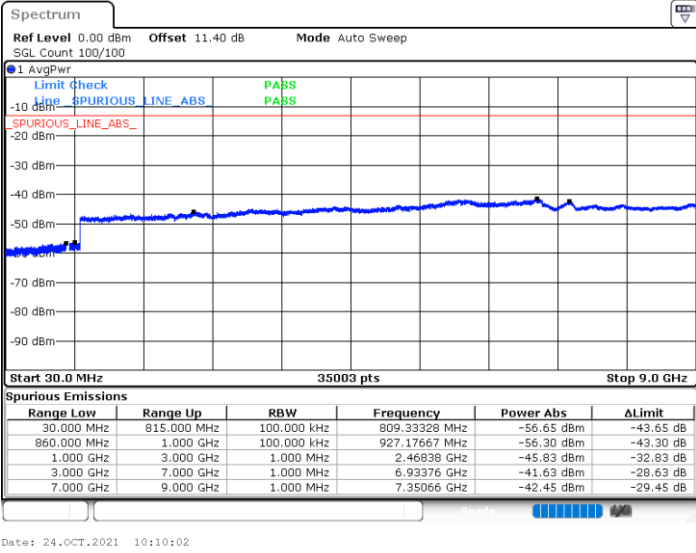




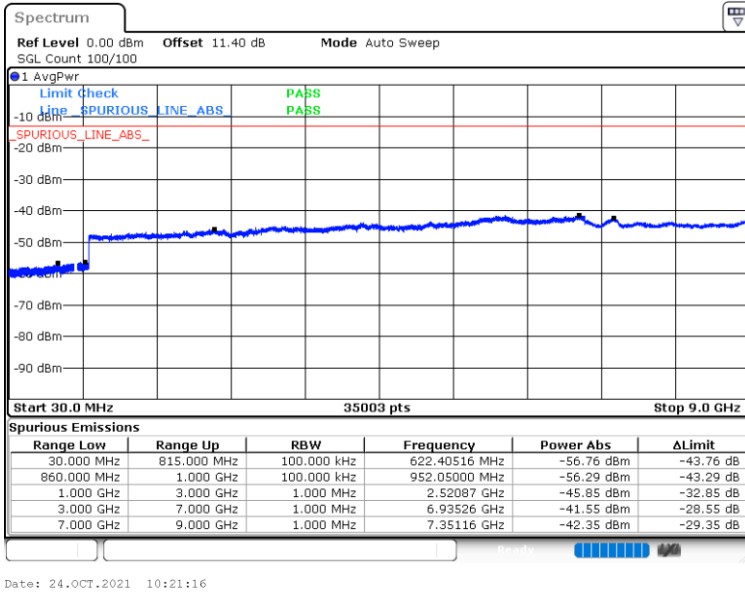
LTE Band 5 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

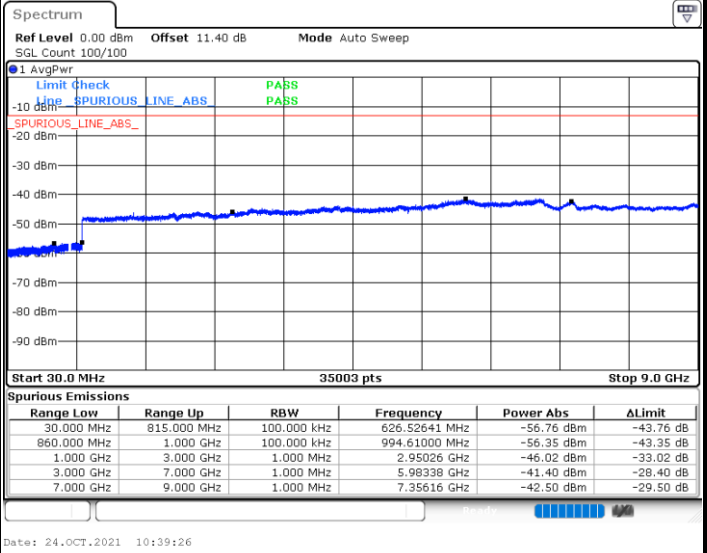
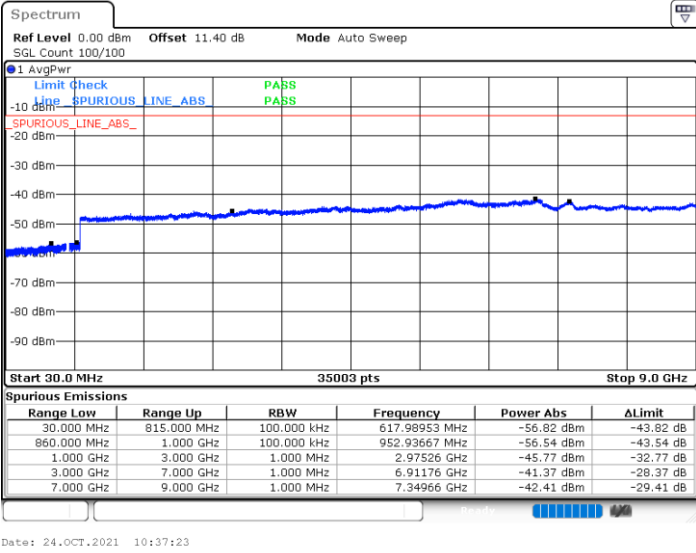




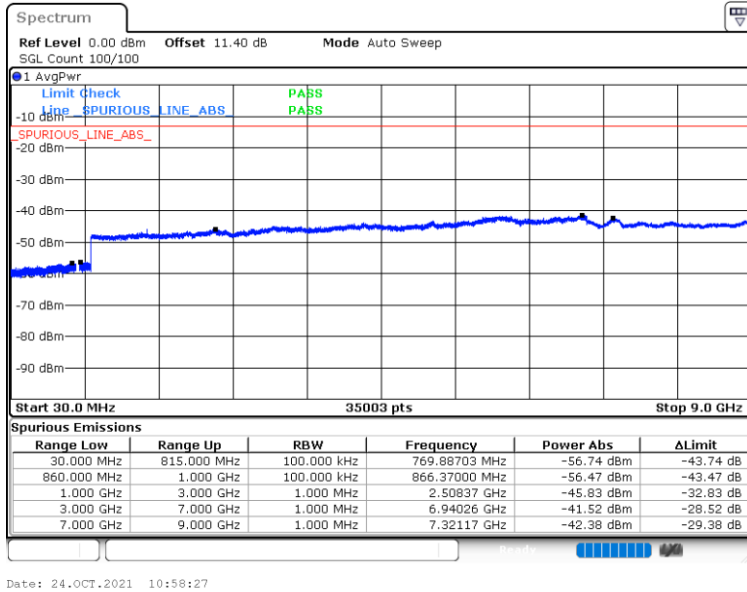
LTE Band 5 / 10MHz

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	0.0105	PASS
40	Normal Voltage	0.0047	
30	Normal Voltage	0.0104	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0063	
0	Normal Voltage	0.0045	
-10	Normal Voltage	0.0126	
-20	Normal Voltage	0.0061	
-30	Normal Voltage	0.0153	
20	Maximum Voltage	0.0149	
20	Normal Voltage	0.0098	
20	Battery End Point	0.0170	

Note:

- 1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 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	8.20	8.23	14.63
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.57	19.86	-

Mode	LTE Band 5B : 26dB BW(MHz)		
16QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	8.12	8.31	14.54
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.60	19.70	-

Mode	LTE Band 5B : 26dB BW(MHz)		
64QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	8.15	8.28	14.54
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.66	19.50	-

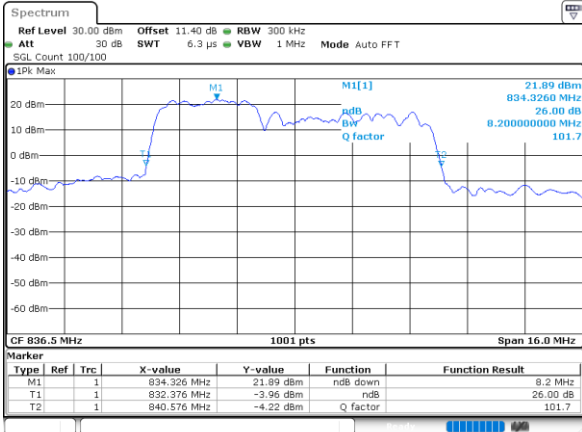
Mode	LTE Band 5B : 26dB BW(MHz)		
256QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	8.14	8.12	14.57
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.66	19.62	-



LTE Band 5B

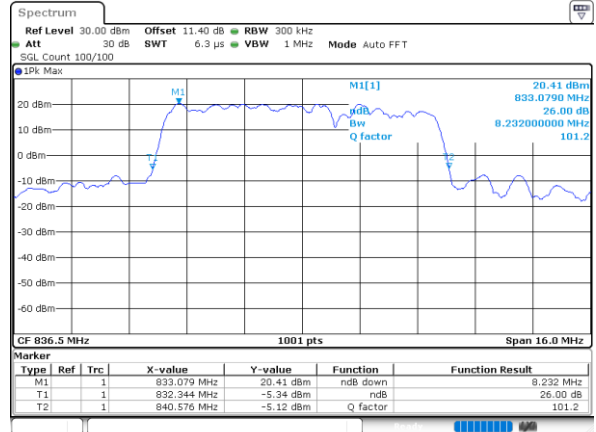
QPSK

Middle Channel / 3MHz+5MHz



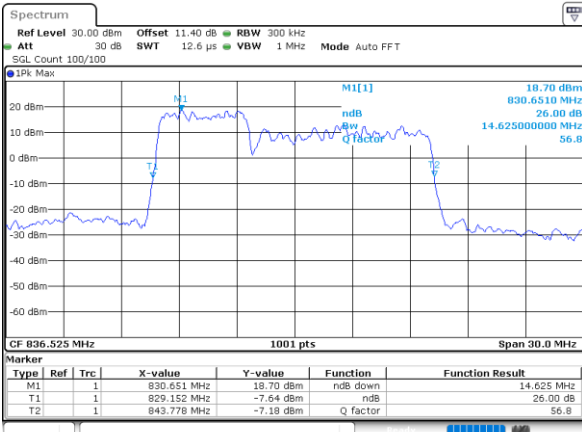
Date: 2.NOV.2021 21:18:130

Middle Channel / 5MHz+3MHz



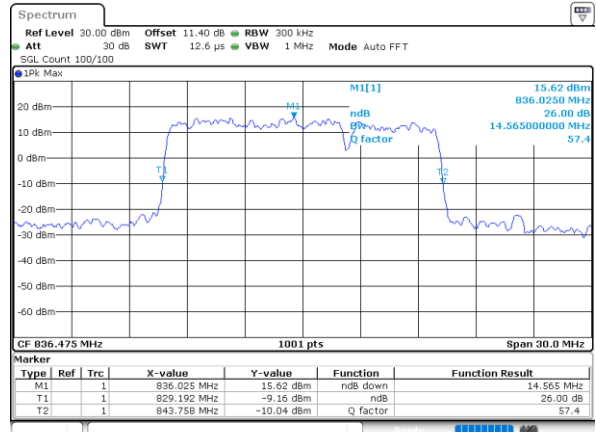
Date: 2.NOV.2021 22:24:03

Middle Channel / 5MHz+10MHz



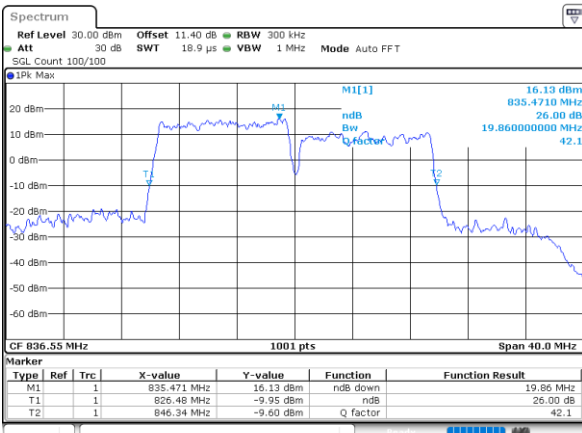
Date: 2.NOV.2021 23:09:135

Middle Channel / 10MHz+5MHz



Date: 2.NOV.2021 23:55:49

Middle Channel / 10MHz+10MHz



Date: 3.NOV.2021 00:41:119

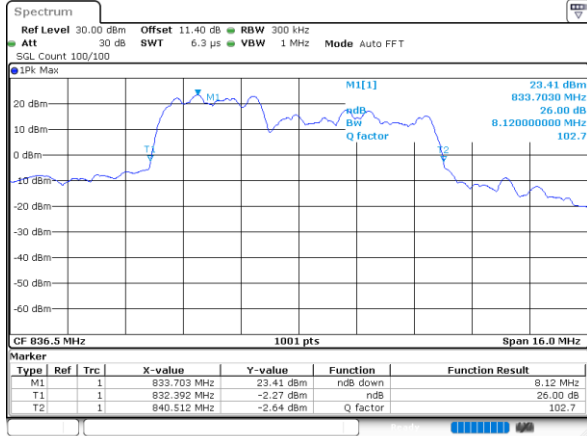
N/A



LTE Band 5B

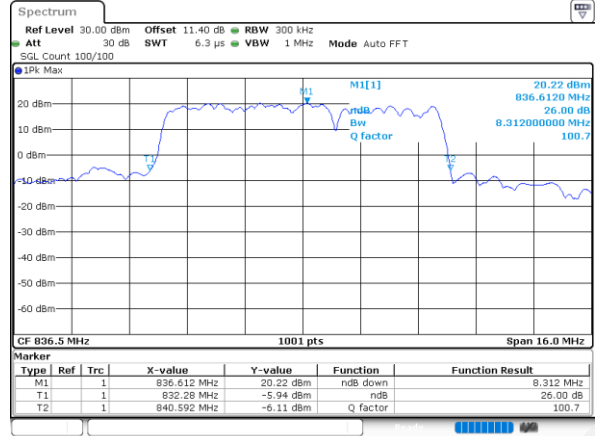
16QAM

Middle Channel / 3MHz+5MHz



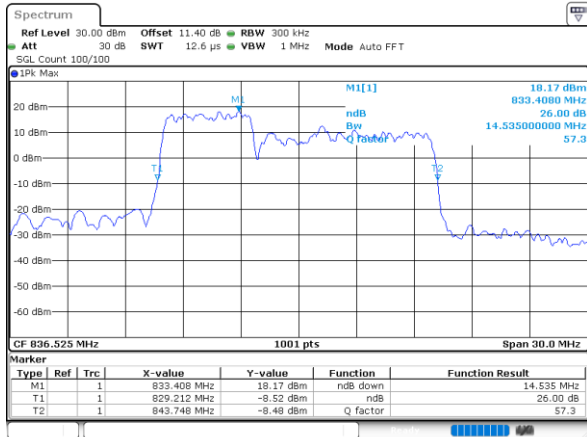
Date: 2.NOV.2021 21:38:01

Middle Channel / 5MHz+3MHz



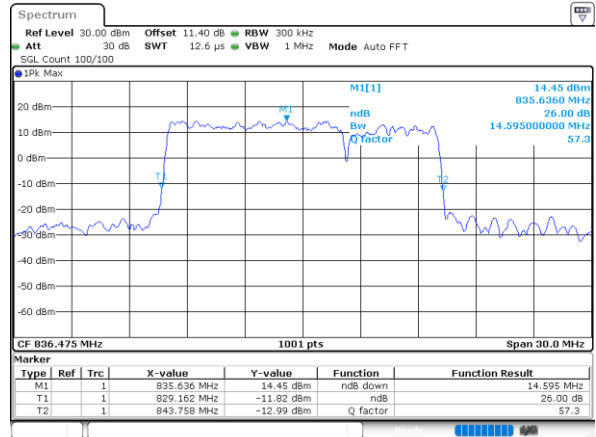
Date: 2.NOV.2021 22:23:33

Middle Channel / 5MHz+10MHz



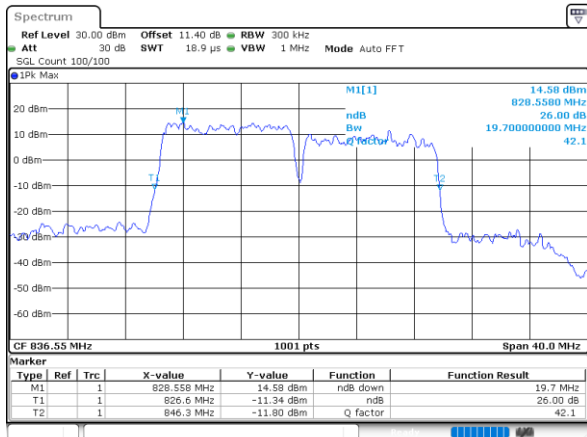
Date: 2.NOV.2021 23:09:05

Middle Channel / 10MHz+5MHz



Date: 2.NOV.2021 23:55:18

Middle Channel / 10MHz+10MHz



Date: 18.NOV.2021 17:58:49

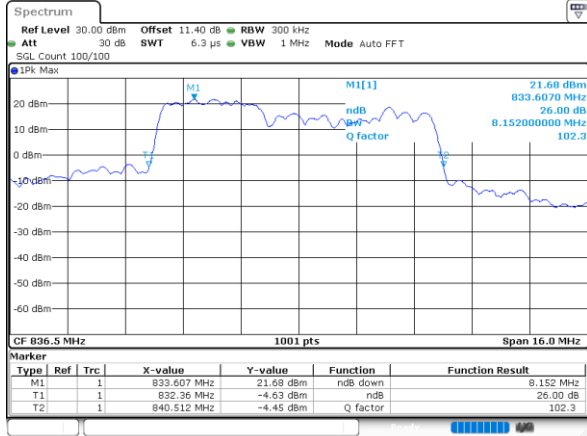
N/A



LTE Band 5B

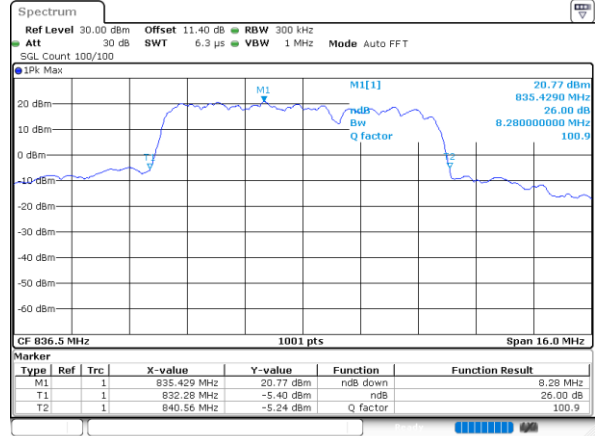
64QAM

Middle Channel / 3MHz+5MHz



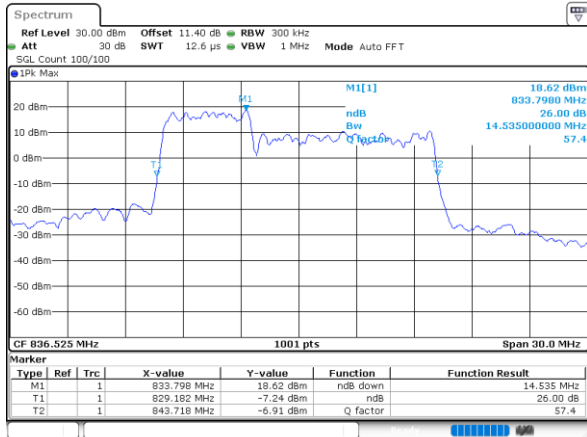
Date: 2.NOV.2021 21:37:30

Middle Channel / 5MHz+3MHz



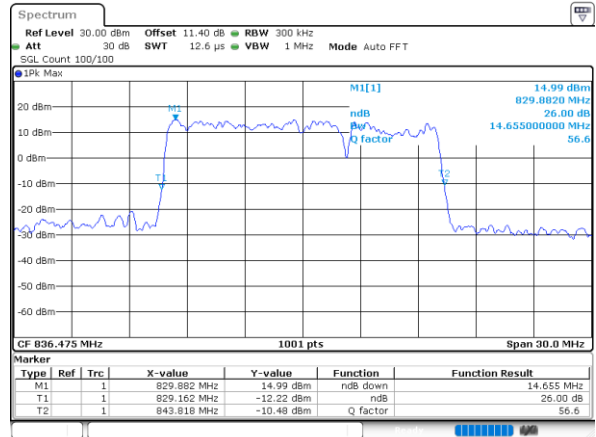
Date: 2.NOV.2021 22:23:03

Middle Channel / 5MHz+10MHz



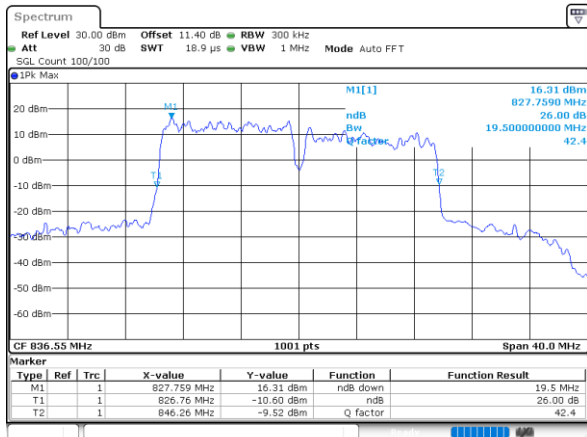
Date: 2.NOV.2021 23:08:35

Middle Channel / 10MHz+5MHz



Date: 2.NOV.2021 23:54:48

Middle Channel / 10MHz+10MHz



Date: 18.NOV.2021 17:59:36

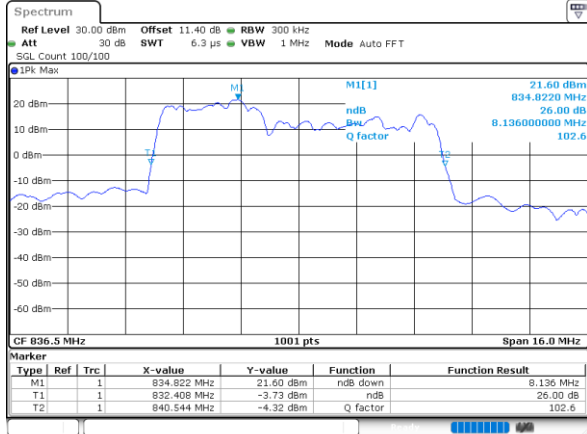
N/A



LTE Band 5B

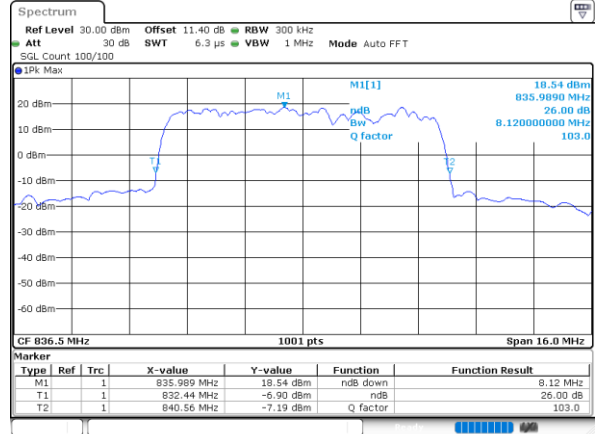
256QAM

Middle Channel / 3MHz+5MHz



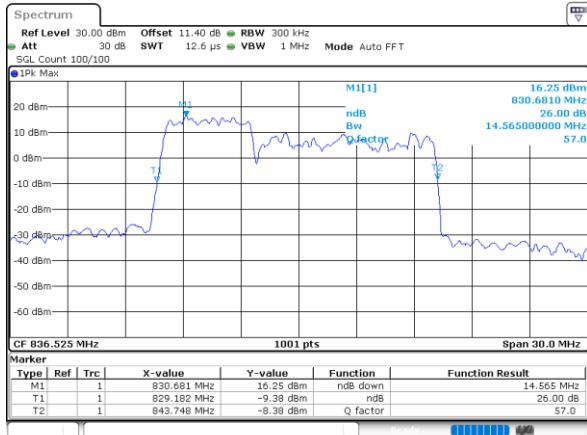
Date: 3.NOV.2021 01:01:17

Middle Channel / 5MHz+3MHz



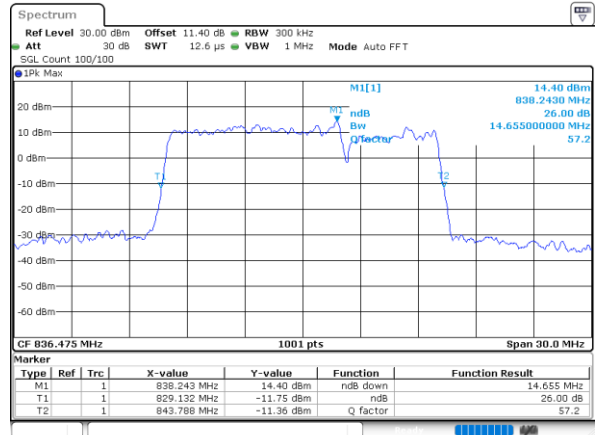
Date: 3.NOV.2021 01:14:27

Middle Channel / 5MHz+10MHz



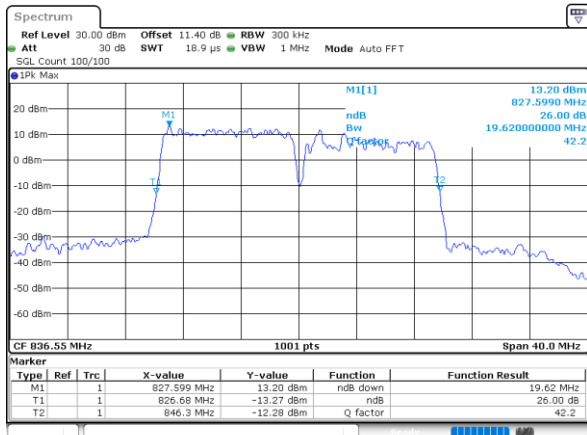
Date: 3.NOV.2021 01:27:37

Middle Channel / 10MHz+5MHz



Date: 3.NOV.2021 01:40:47

Middle Channel / 10MHz+10MHz



Date: 18.NOV.2021 18:01:43

N/A



Occupied Bandwidth

Mode	LTE Band 5B : 99%OBW(MHz)		
QPSK			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.56	7.62	13.82
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.91	18.70	-

Mode	LTE Band 5B : 99%OBW(MHz)		
16QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.59	7.54	13.76
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.82	18.66	-

Mode	LTE Band 5B : 99%OBW(MHz)		
64QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.64	7.61	13.79
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.91	18.66	-

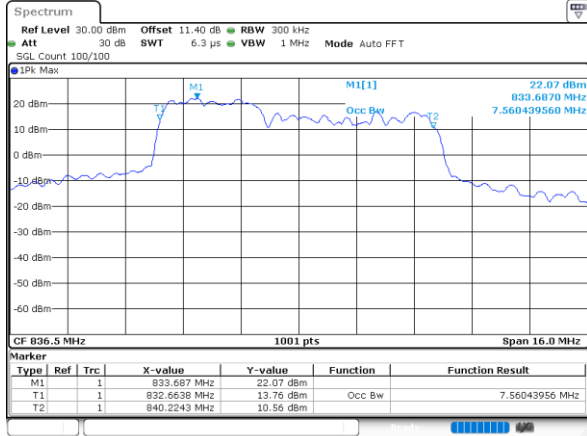
Mode	LTE Band 5B : 99%OBW(MHz)		
254QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.54	7.46	13.88
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.85	18.66	-



LTE Band 5B

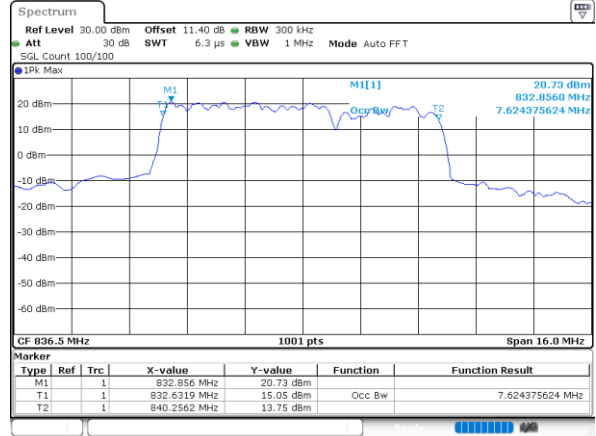
QPSK

Middle Channel / 3MHz+5MHz



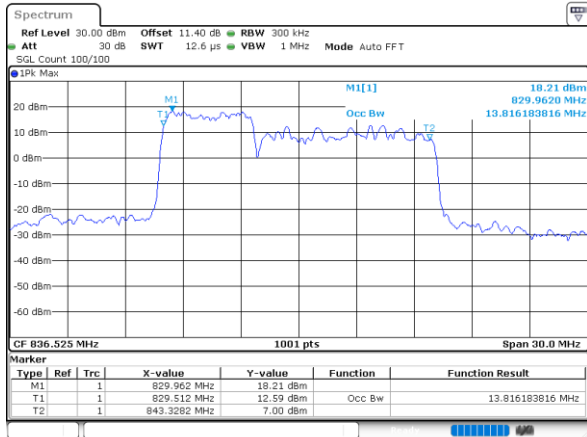
Date: 2.NOV.2021 21:36:01

Middle Channel / 5MHz+3MHz



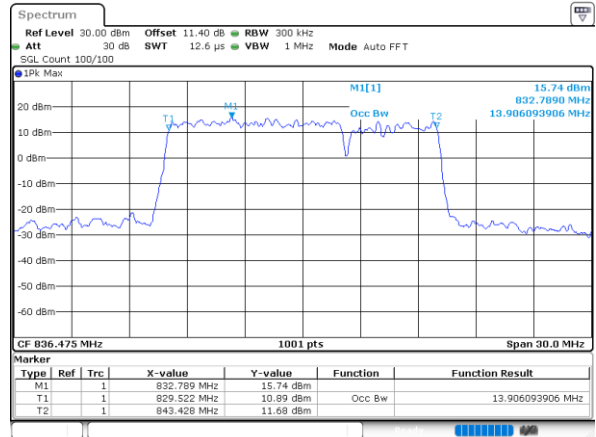
Date: 2.NOV.2021 22:21:34

Middle Channel / 5MHz+10MHz



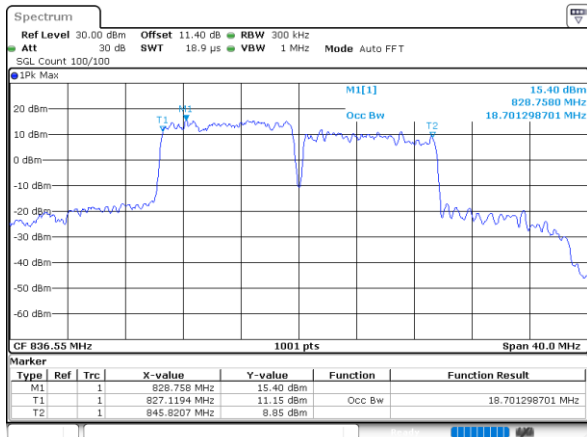
Date: 2.NOV.2021 23:07:05

Middle Channel / 10MHz+5MHz



Date: 2.NOV.2021 23:53:19

Middle Channel / 10MHz+10MHz



Date: 3.NOV.2021 00:38:50

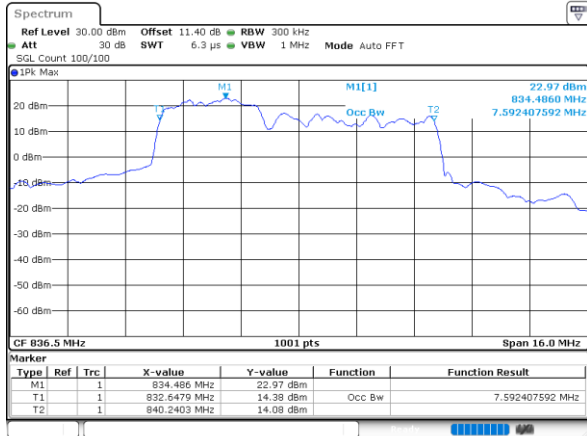
N/A



LTE Band 5B

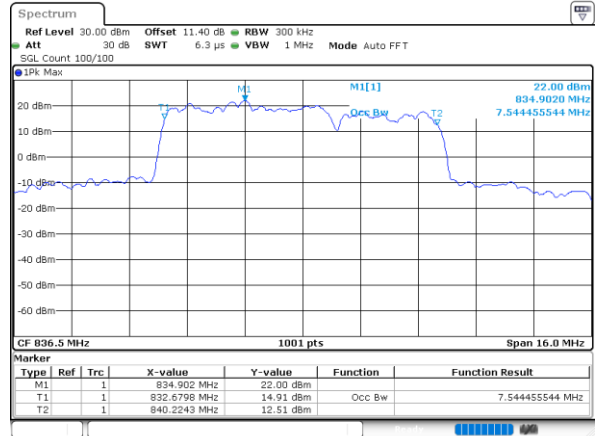
16QAM

Middle Channel / 3MHz+5MHz



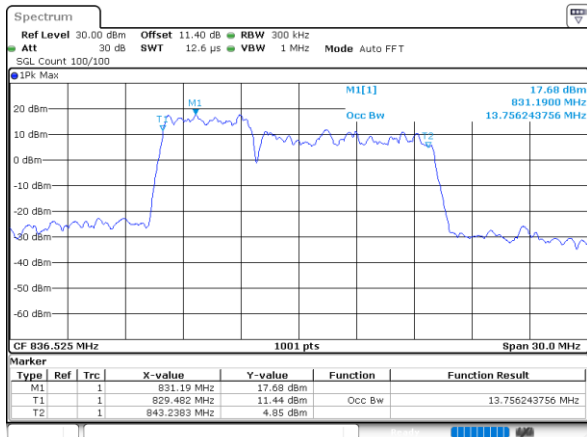
Date: 2.NOV.2021 21:36:31

Middle Channel / 5MHz+3MHz



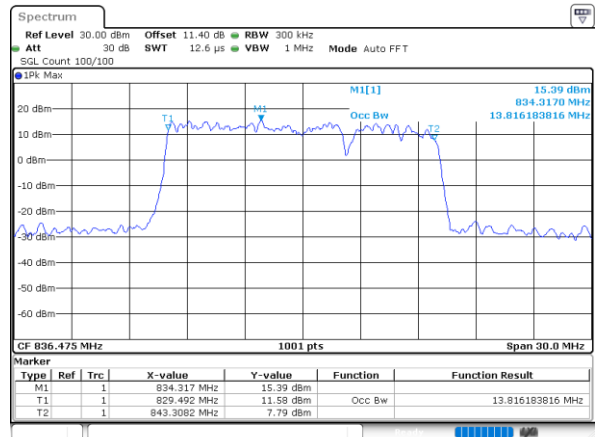
Date: 2.NOV.2021 22:22:04

Middle Channel / 5MHz+10MHz



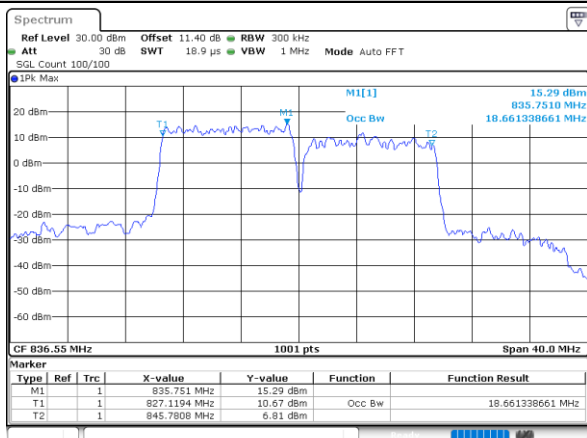
Date: 2.NOV.2021 23:07:35

Middle Channel / 10MHz+5MHz



Date: 2.NOV.2021 23:53:49

Middle Channel / 10MHz+10MHz



Date: 3.NOV.2021 00:39:20

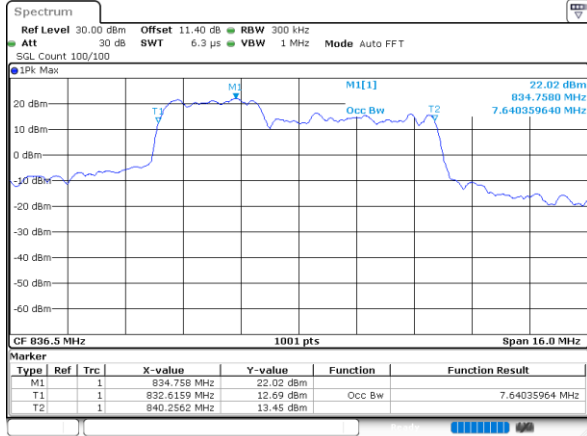
N/A



LTE Band 5B

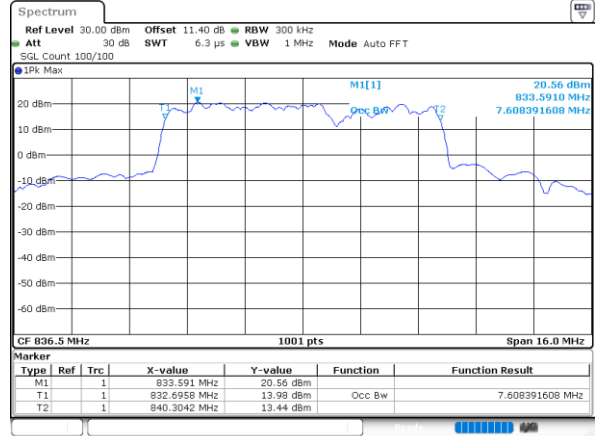
64QAM

Middle Channel / 3MHz+5MHz



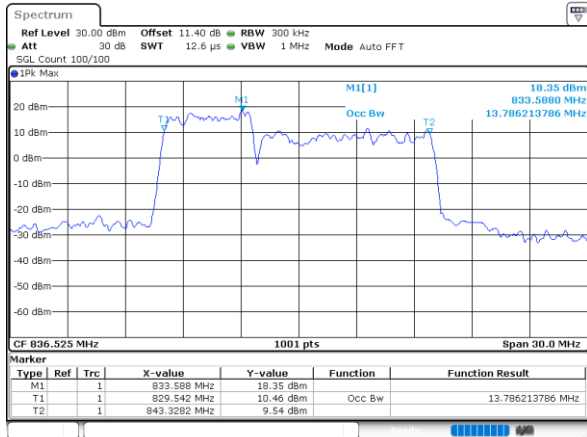
Date: 2.NOV.2021 21:37:01

Middle Channel / 5MHz+3MHz



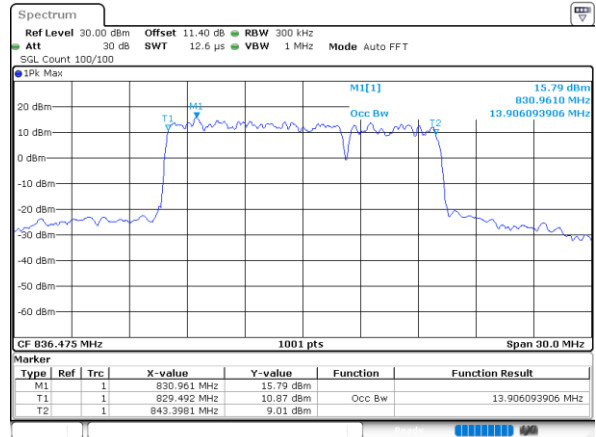
Date: 2.NOV.2021 22:22:14

Middle Channel / 5MHz+10MHz



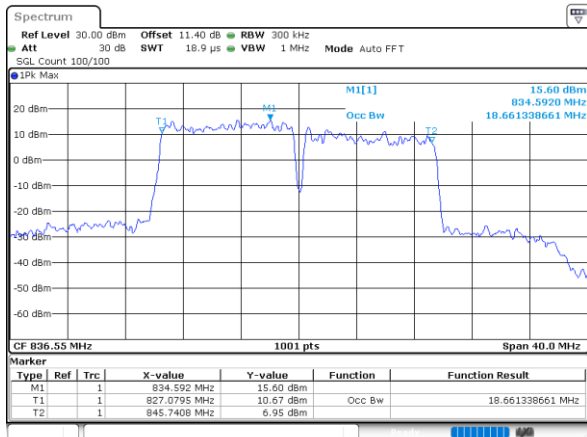
Date: 2.NOV.2021 23:08:05

Middle Channel / 10MHz+5MHz



Date: 2.NOV.2021 23:54:19

Middle Channel / 10MHz+10MHz



Date: 3.NOV.2021 00:39:50

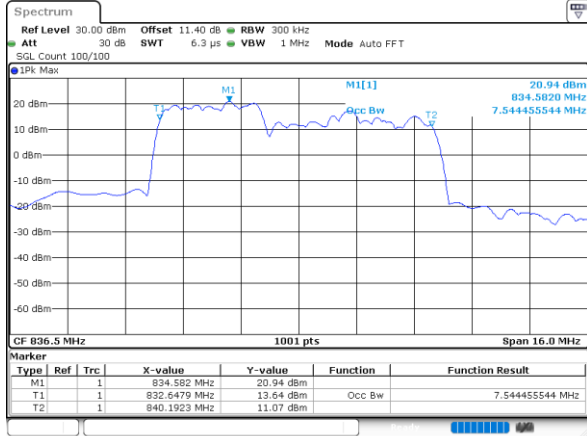
N/A



LTE Band 5B

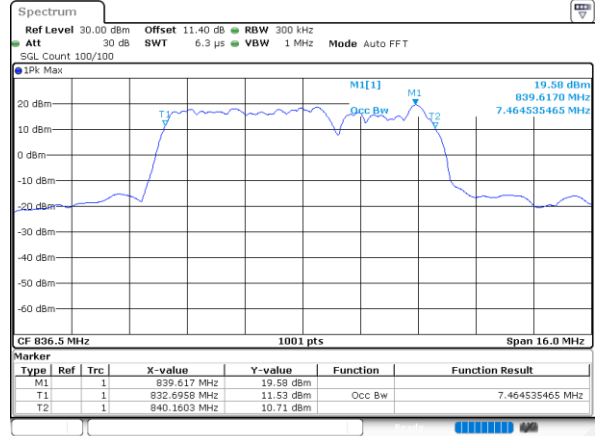
256QAM

Middle Channel / 3MHz+5MHz



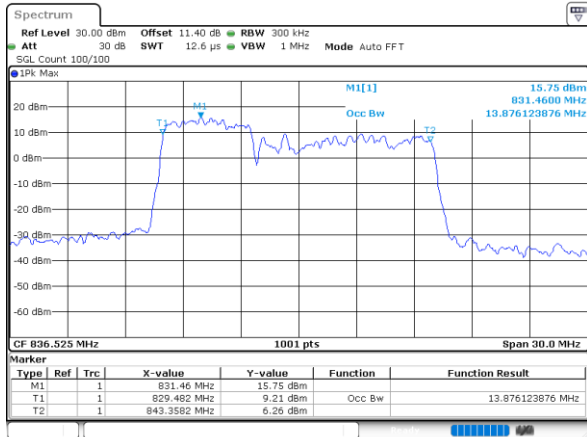
Date: 3.NOV.2021 01:00:47

Middle Channel / 5MHz+3MHz



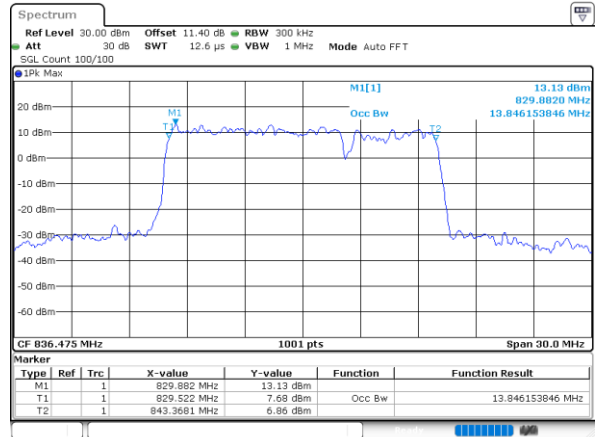
Date: 3.NOV.2021 01:13:58

Middle Channel / 5MHz+10MHz



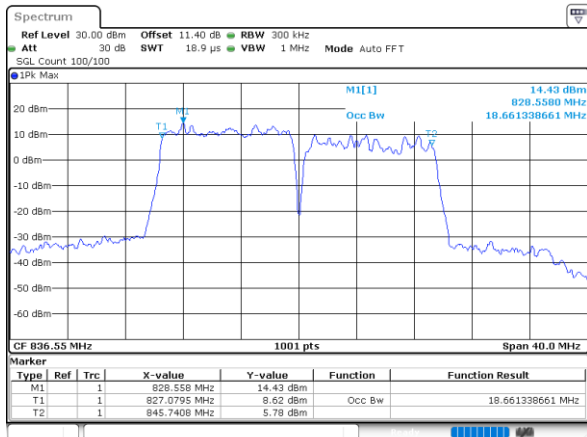
Date: 3.NOV.2021 01:27:08

Middle Channel / 10MHz+5MHz



Date: 3.NOV.2021 01:40:18

Middle Channel / 10MHz+10MHz



Date: 3.NOV.2021 01:53:28

N/A



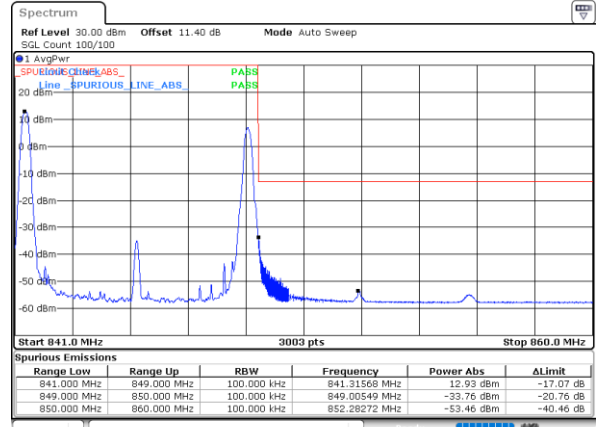
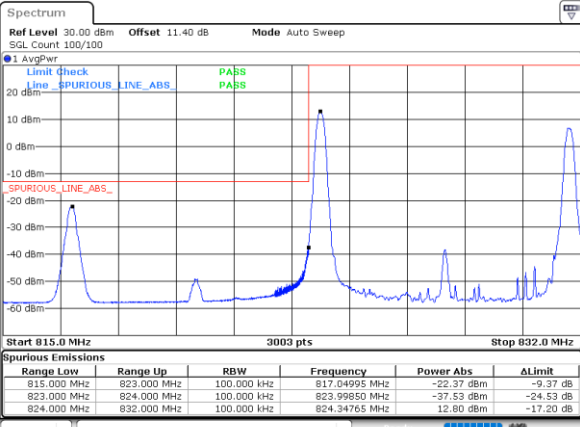
Conducted Band Edge

LTE Band 5B / 3MHz+5MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB24

Highest Band Edge / 1RB0 and 1RB24

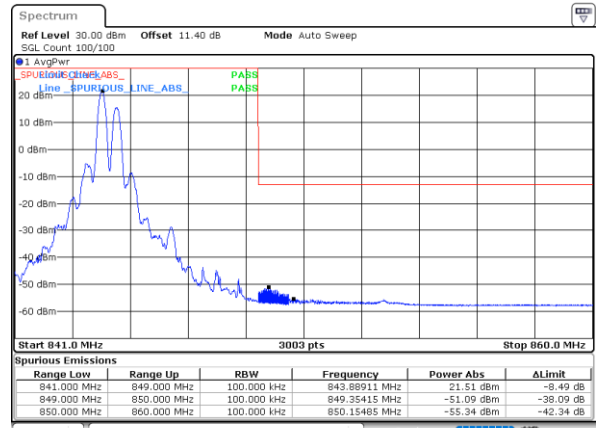
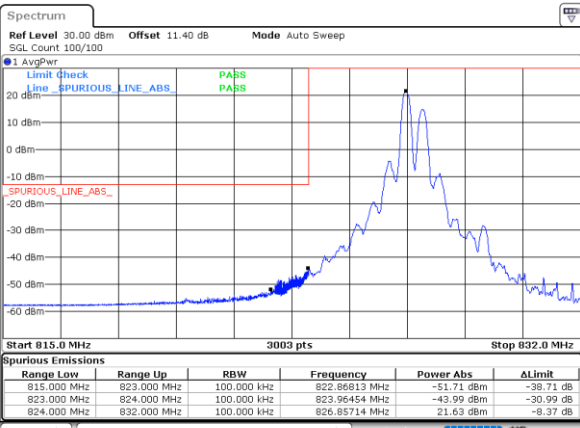


Date: 2.NOV.2021 21:27:18

Date: 2.NOV.2021 21:03:09

Lowest Band Edge / 1RB14 and 1RB0

Highest Band Edge / 1RB14 and 1RB0

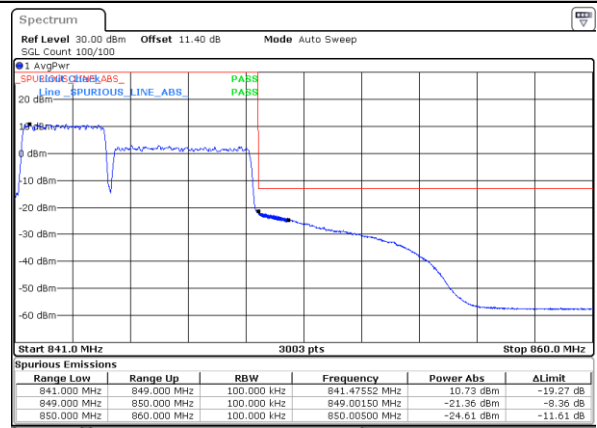
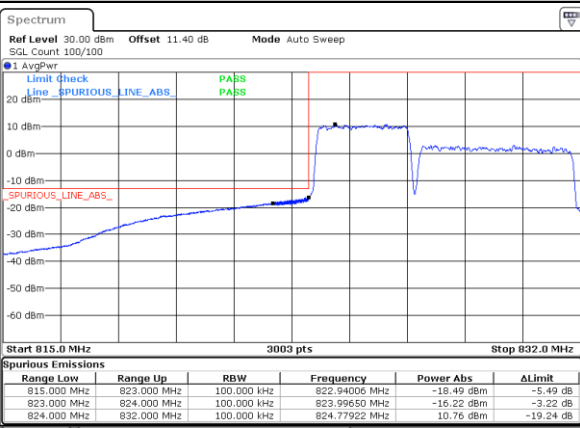


Date: 2.NOV.2021 21:29:18

Date: 2.NOV.2021 21:13:09

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.NOV.2021 21:17:19

Date: 2.NOV.2021 21:01:09