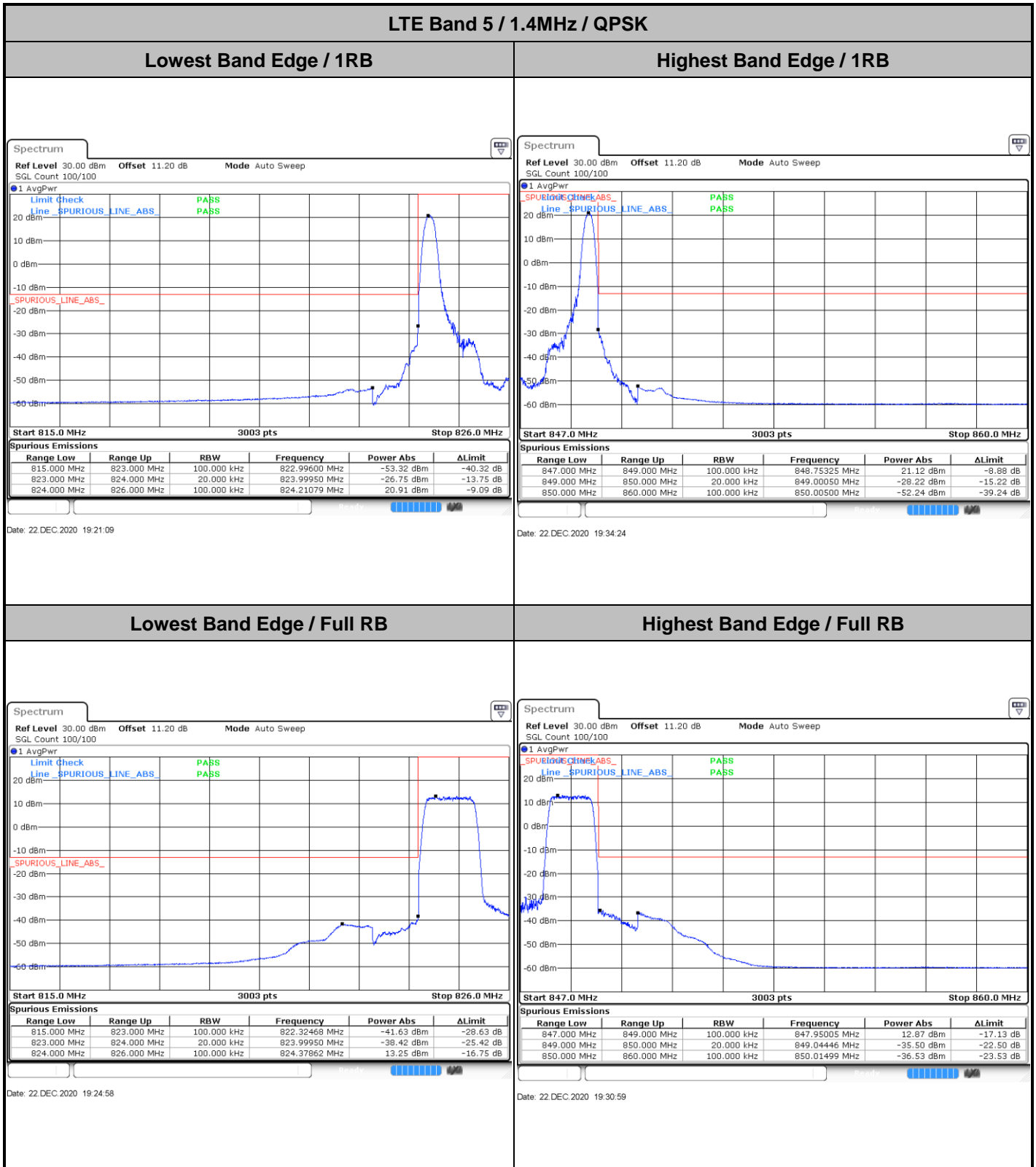




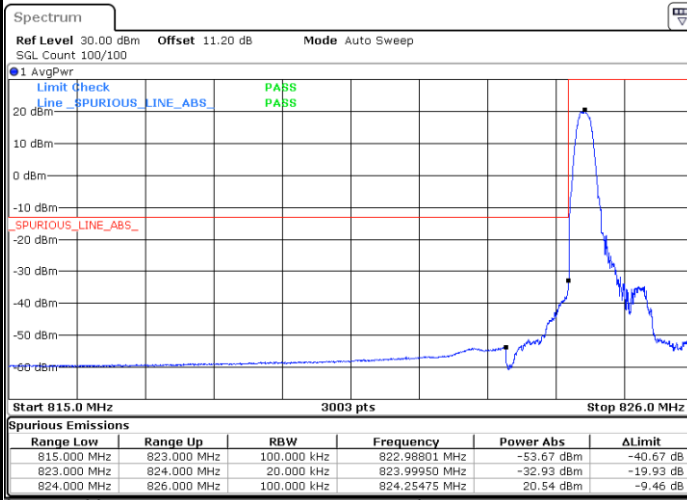
Conducted Band Edge





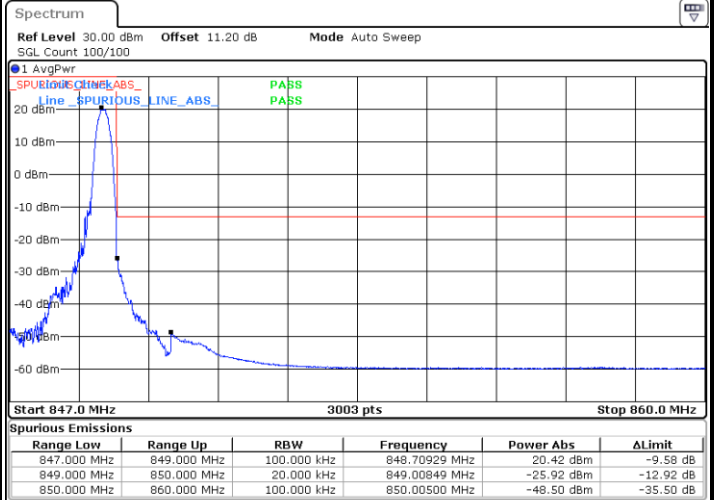
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



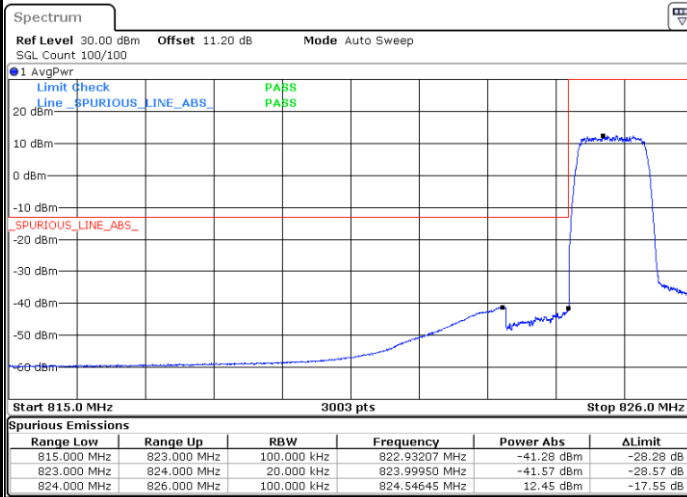
Date: 22 DEC 2020 19:22:51

Highest Band Edge / 1 RB



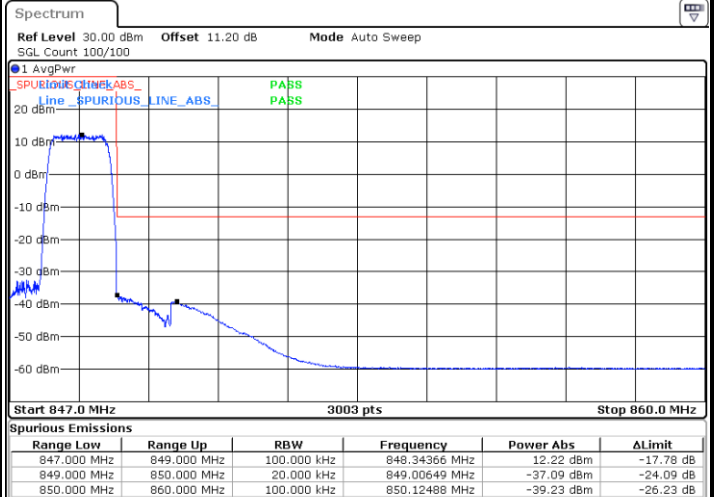
Date: 22 DEC 2020 19:36:06

Lowest Band Edge / Full RB



Date: 22 DEC 2020 19:26:40

Highest Band Edge / Full RB

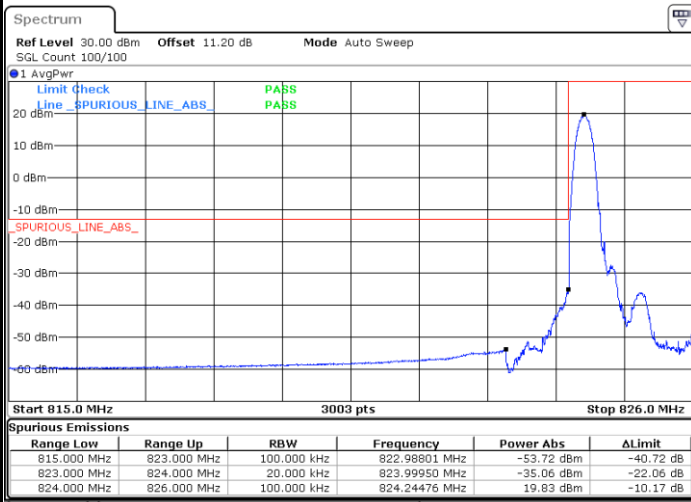


Date: 22 DEC 2020 19:32:42



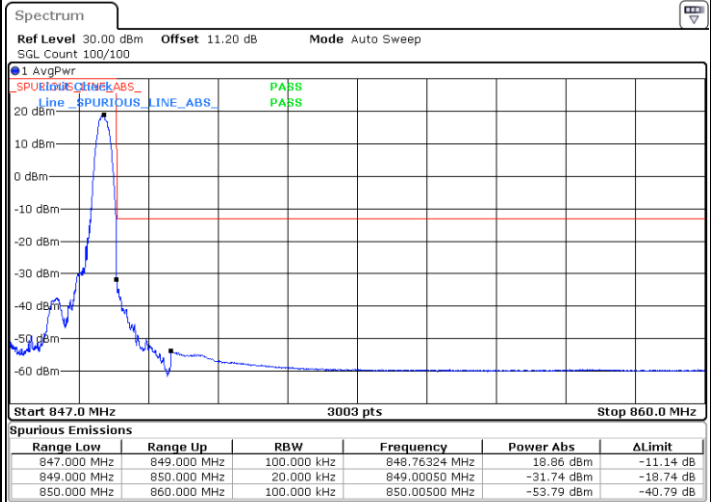
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



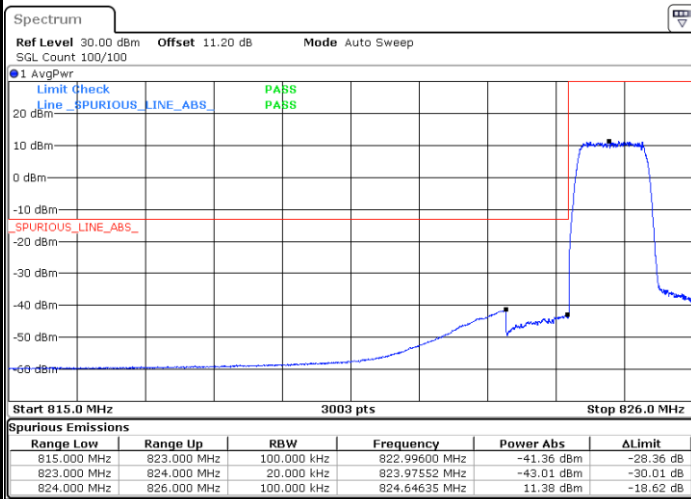
Date: 22 DEC 2020 19:38:41

Highest Band Edge / 1 RB



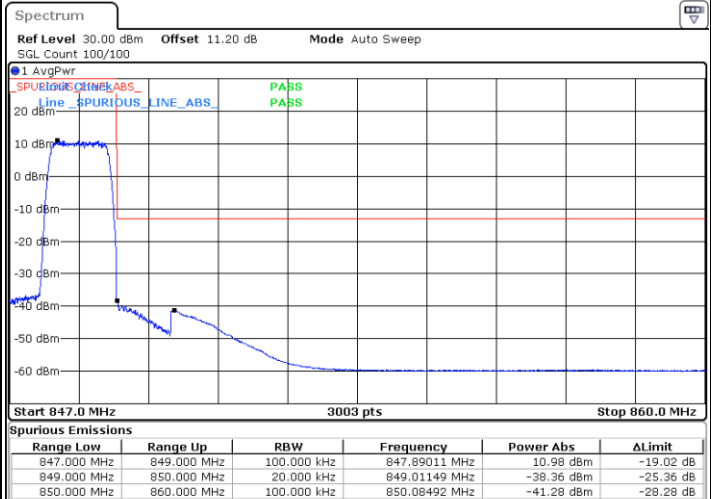
Date: 22 DEC 2020 19:55:44

Lowest Band Edge / Full RB



Date: 22 DEC 2020 19:40:23

Highest Band Edge / Full RB

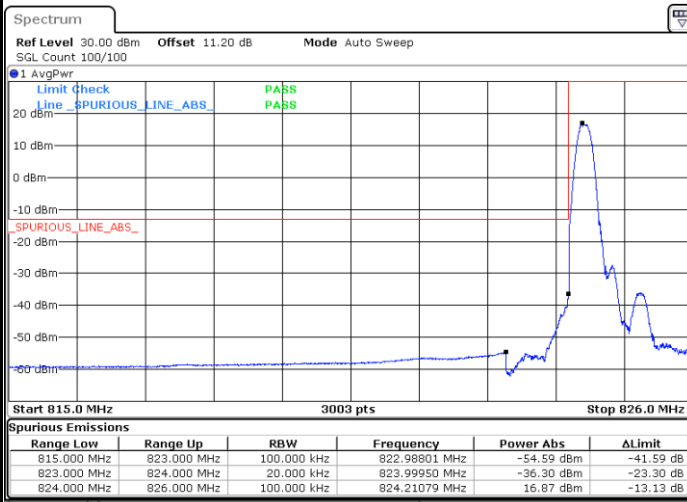


Date: 22 DEC 2020 19:54:02



LTE Band 5 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



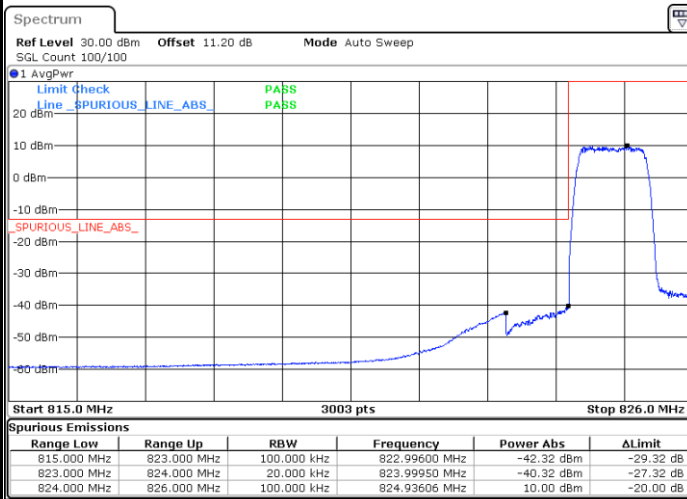
Date: 24 DEC 2020 16:41:41

Highest Band Edge / 1 RB



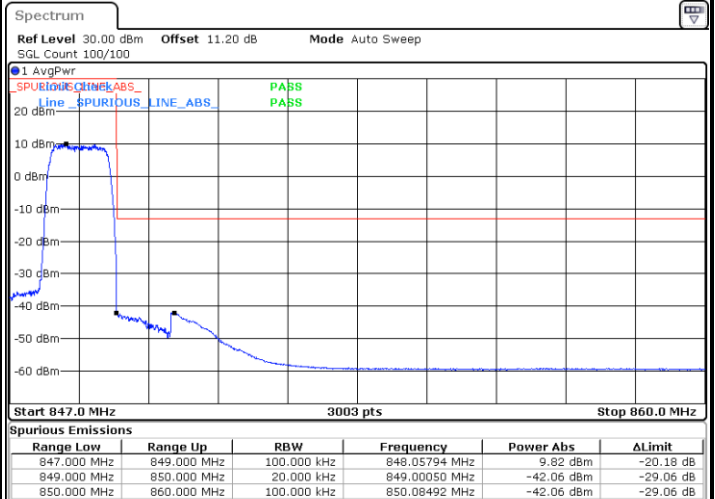
Date: 24 DEC 2020 16:38:43

Lowest Band Edge / Full RB



Date: 24 DEC 2020 16:33:32

Highest Band Edge / Full RB

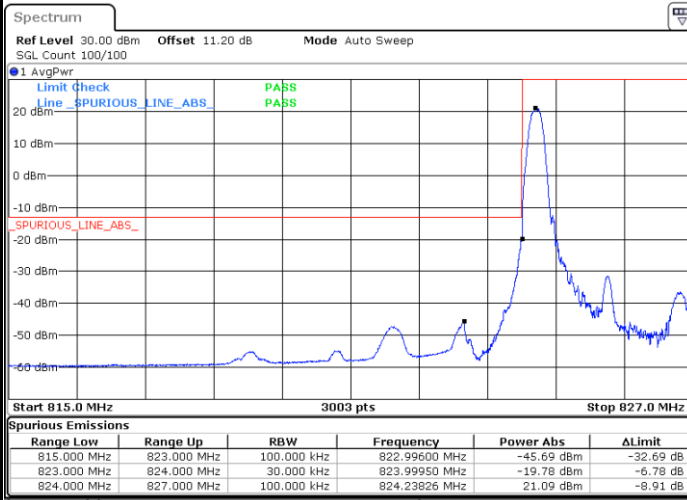


Date: 24 DEC 2020 16:44:05



LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



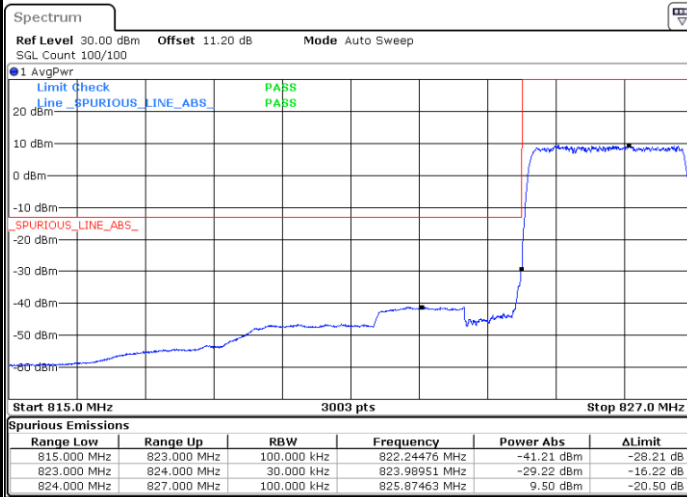
Date: 22 DEC 2020 19:57:28

Highest Band Edge / 1 RB



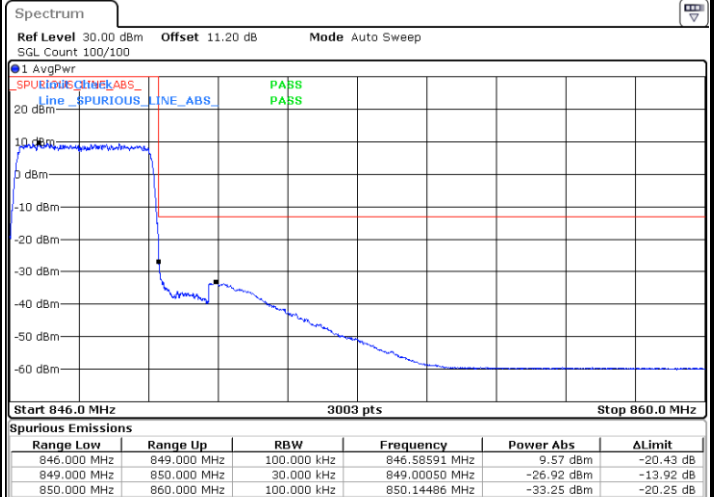
Date: 22 DEC 2020 20:06:53

Lowest Band Edge / Full RB



Date: 22 DEC 2020 20:00:52

Highest Band Edge / Full RB

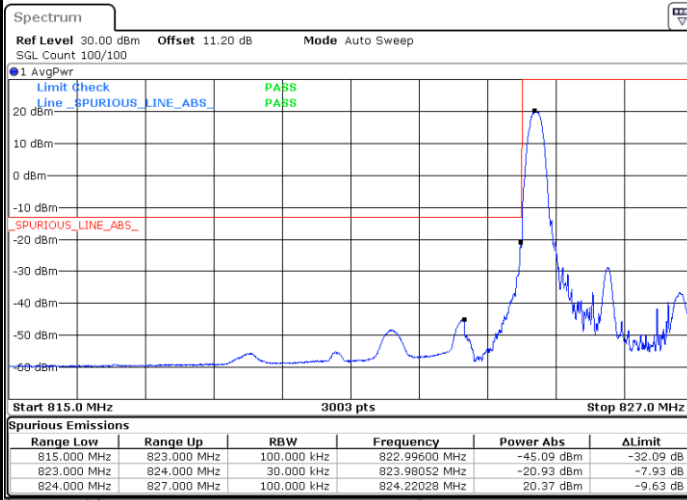


Date: 22 DEC 2020 20:10:18



LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



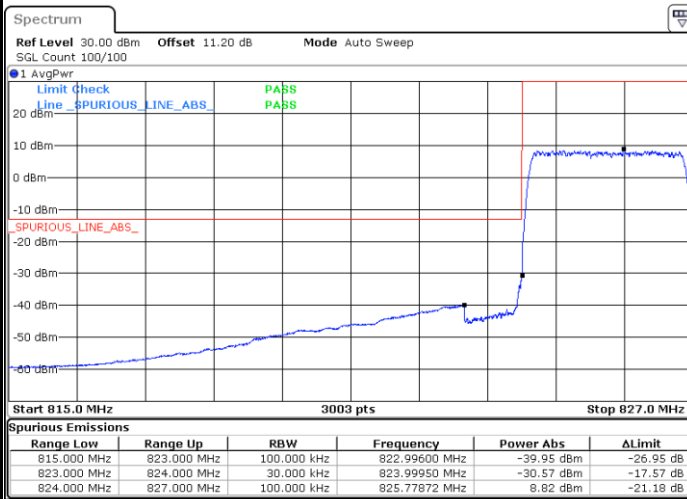
Date: 22 DEC 2020 19:59:10

Highest Band Edge / 1 RB



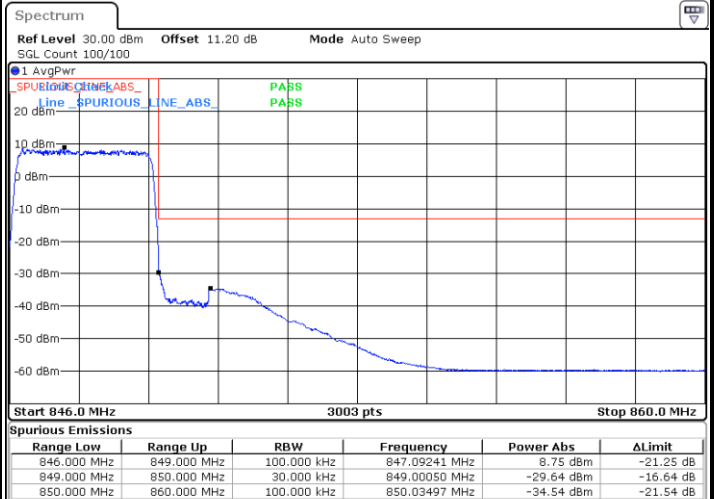
Date: 22 DEC 2020 20:08:36

Lowest Band Edge / Full RB



Date: 22 DEC 2020 20:02:34

Highest Band Edge / Full RB

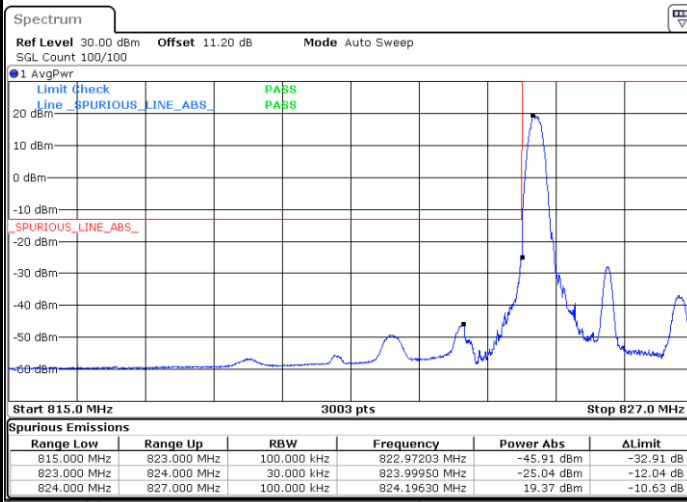


Date: 22 DEC 2020 20:12:00



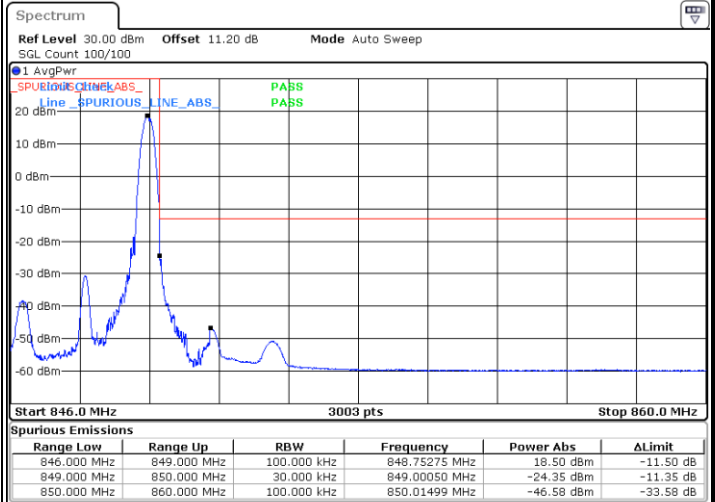
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



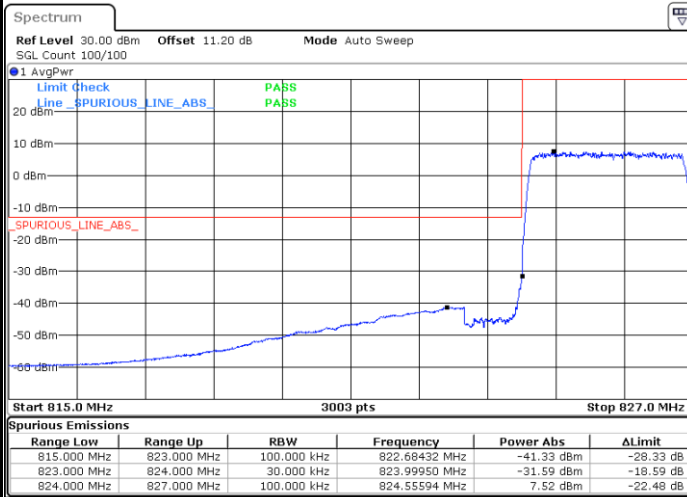
Date: 22 DEC 2020 20:14:34

Highest Band Edge / 1 RB



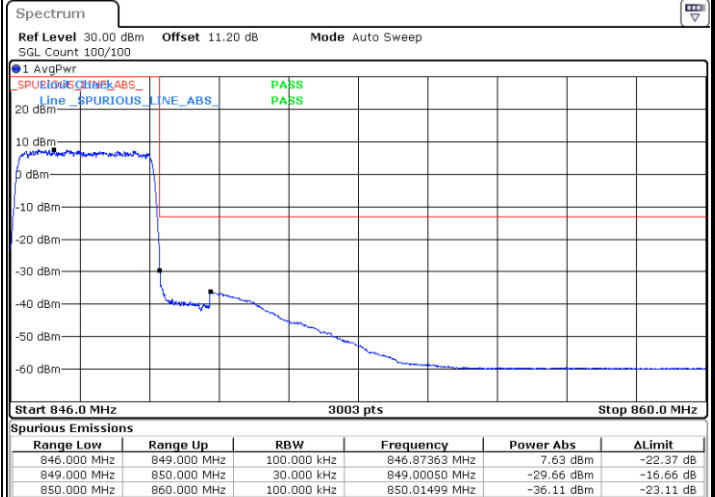
Date: 22 DEC 2020 20:18:25

Lowest Band Edge / Full RB



Date: 22 DEC 2020 20:16:17

Highest Band Edge / Full RB

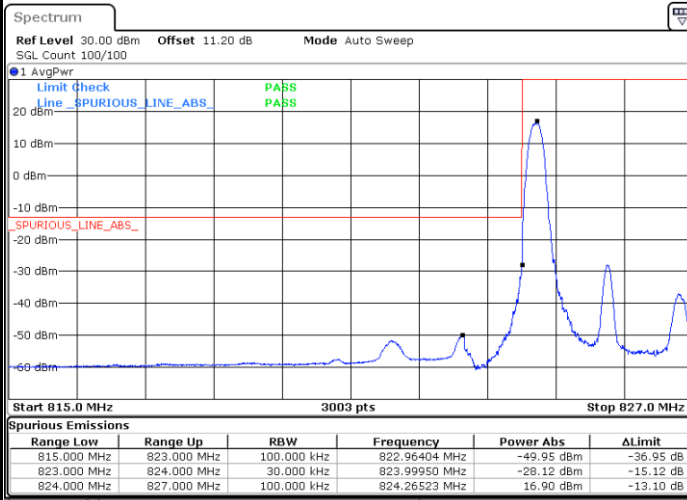


Date: 22 DEC 2020 23:22:18



LTE Band 5 / 3MHz / 256QAM

Lowest Band Edge / 1 RB



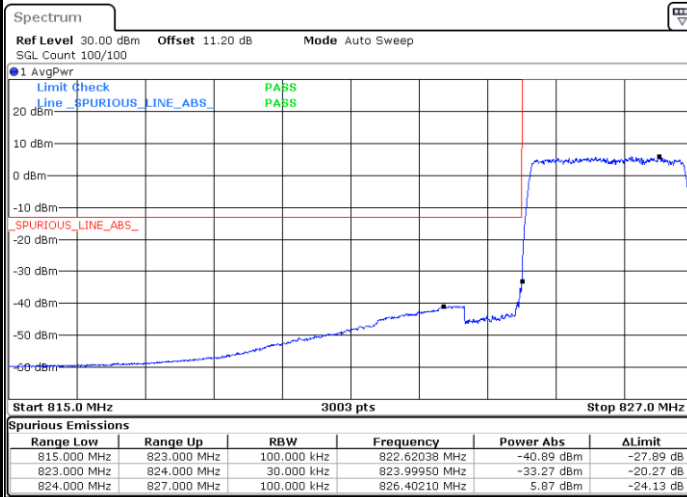
Date: 25 DEC 2020 08:32:46

Highest Band Edge / 1 RB



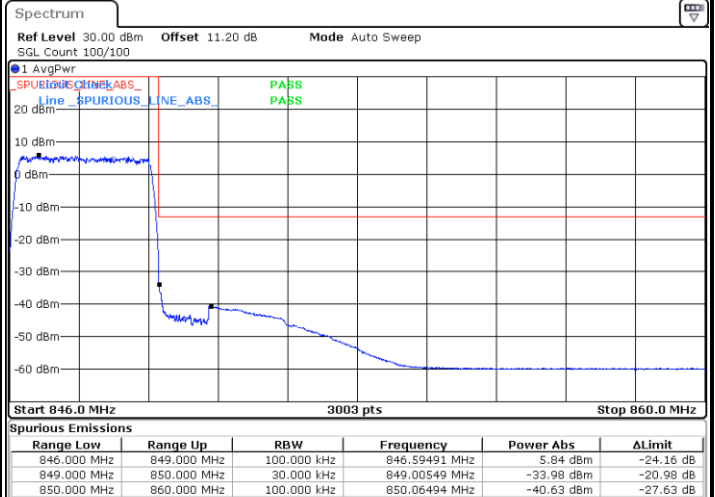
Date: 24 DEC 2020 17:00:47

Lowest Band Edge / Full RB



Date: 25 DEC 2020 09:10:58

Highest Band Edge / Full RB

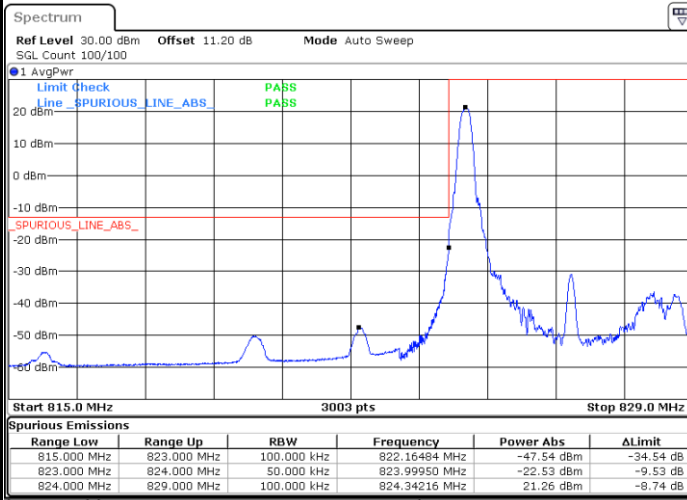


Date: 25 DEC 2020 08:41:06



LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



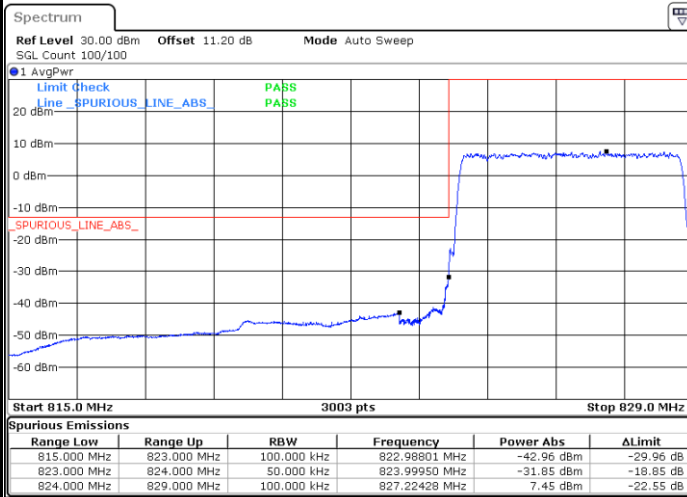
Date: 22 DEC 2020 23:24:00

Highest Band Edge / 1 RB



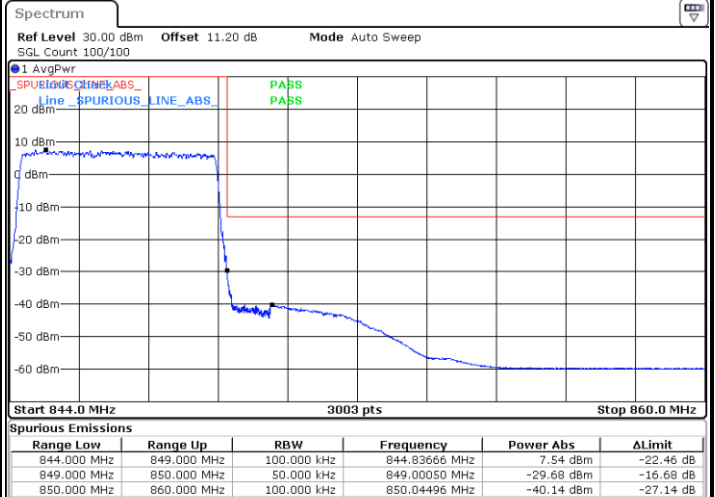
Date: 22 DEC 2020 23:33:26

Lowest Band Edge / Full RB



Date: 22 DEC 2020 23:27:25

Highest Band Edge / Full RB

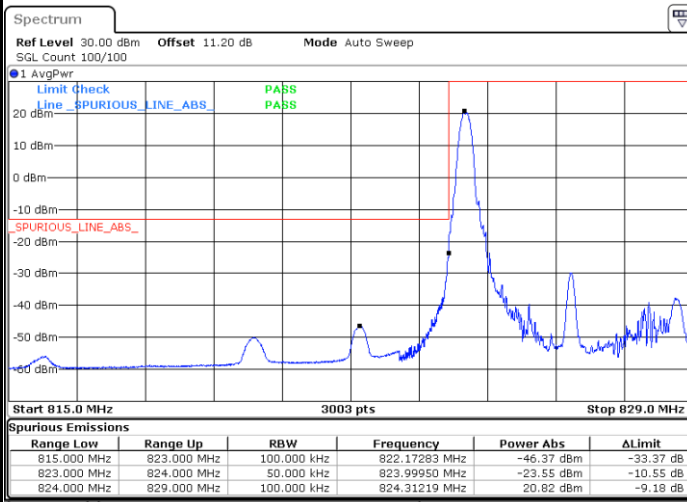


Date: 22 DEC 2020 23:36:50



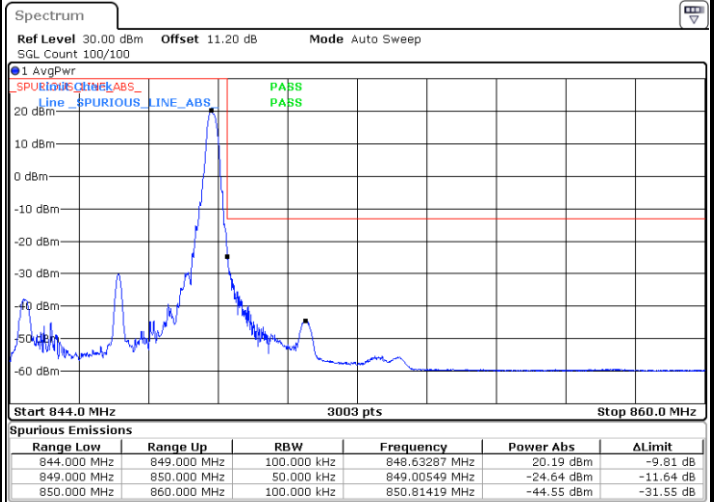
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



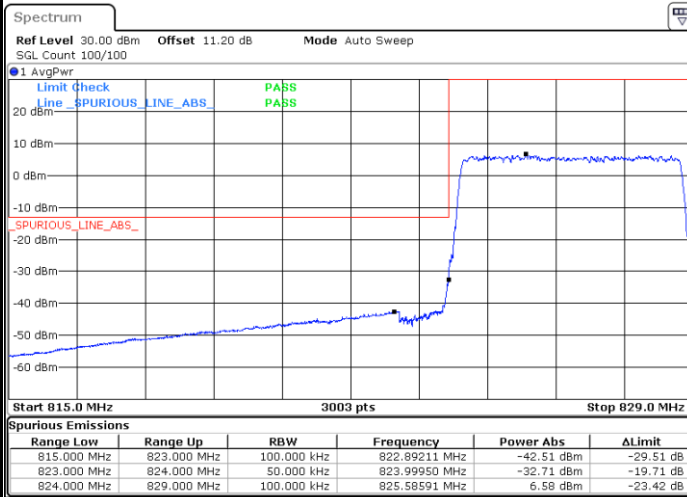
Date: 22 DEC 2020 23:25:42

Highest Band Edge / 1 RB



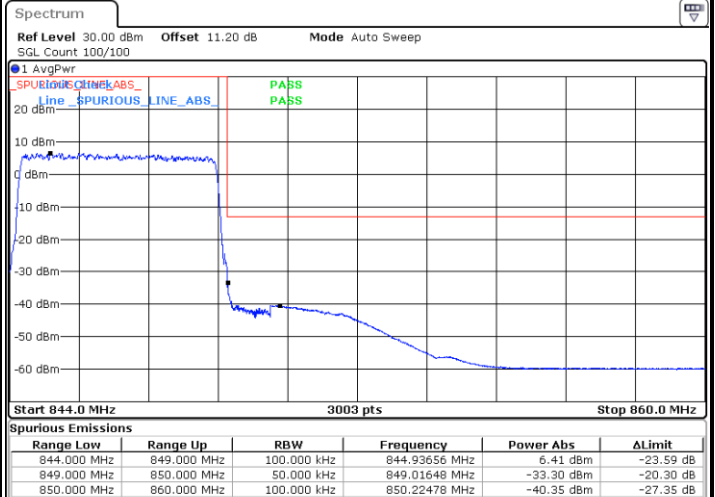
Date: 22 DEC 2020 23:35:08

Lowest Band Edge / Full RB



Date: 22 DEC 2020 23:29:07

Highest Band Edge / Full RB

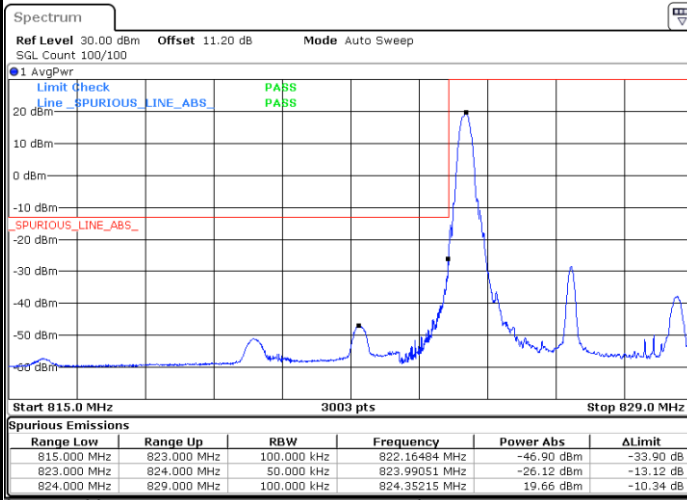


Date: 22 DEC 2020 23:38:32



LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



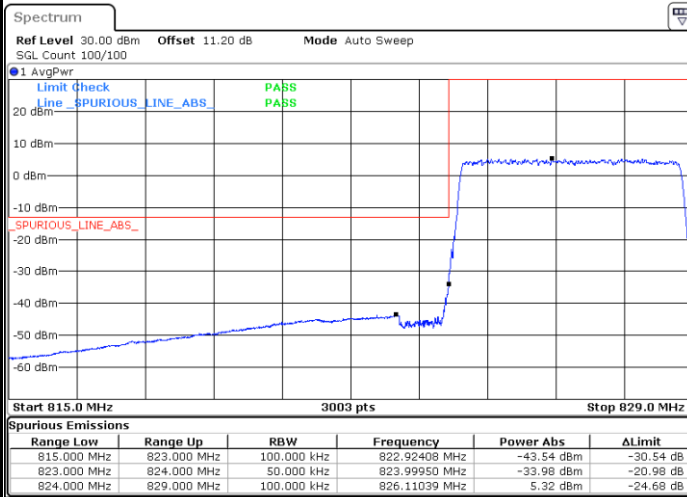
Date: 22 DEC 2020 23:41:07

Highest Band Edge / 1 RB



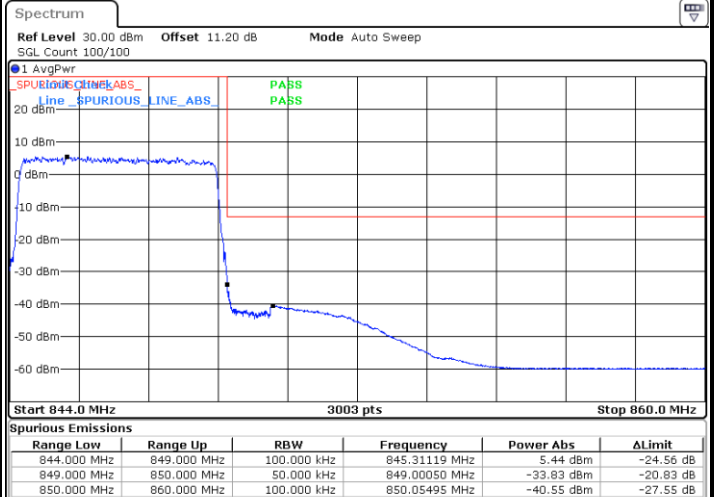
Date: 22 DEC 2020 23:44:57

Lowest Band Edge / Full RB



Date: 22 DEC 2020 23:42:49

Highest Band Edge / Full RB

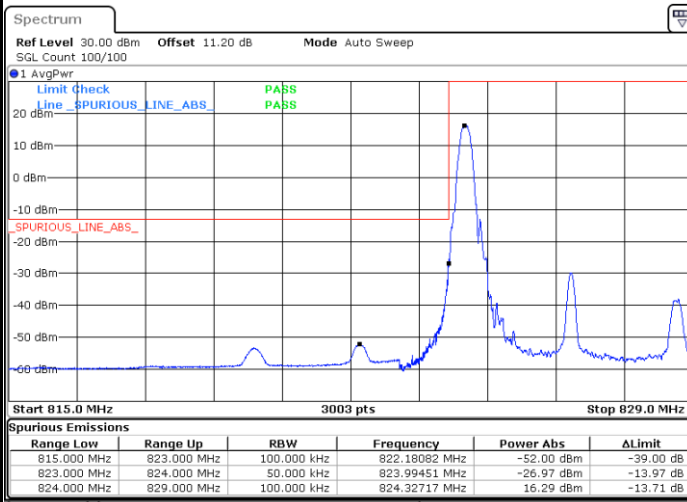


Date: 22 DEC 2020 23:46:39



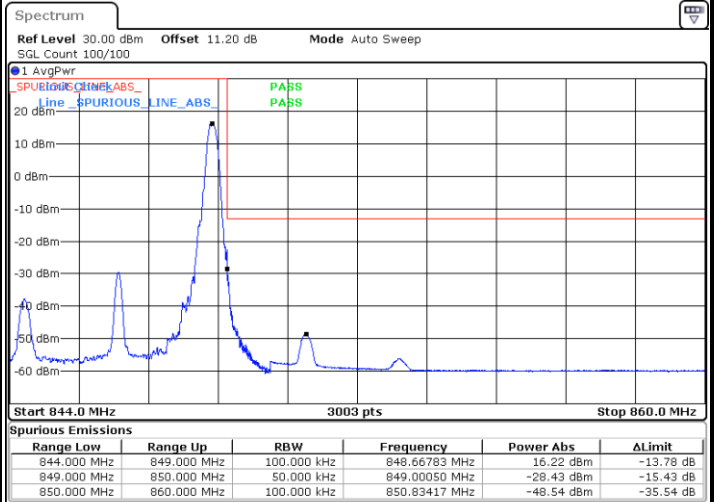
LTE Band 5 / 5MHz / 256QAM

Lowest Band Edge / 1RB



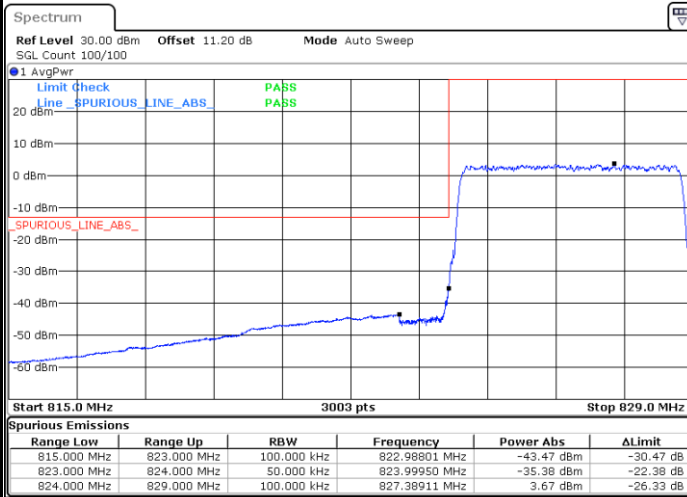
Date: 25 DEC 2020 09:37:54

Highest Band Edge / 1 RB



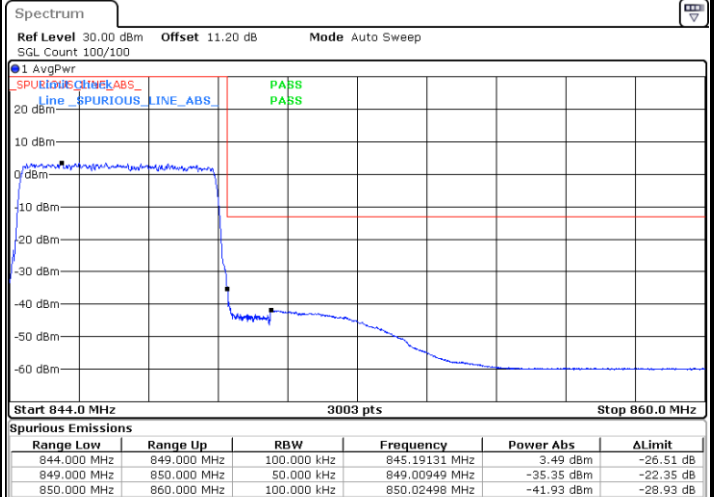
Date: 25 DEC 2020 09:45:16

Lowest Band Edge / Full RB



Date: 25 DEC 2020 09:39:47

Highest Band Edge / Full RB

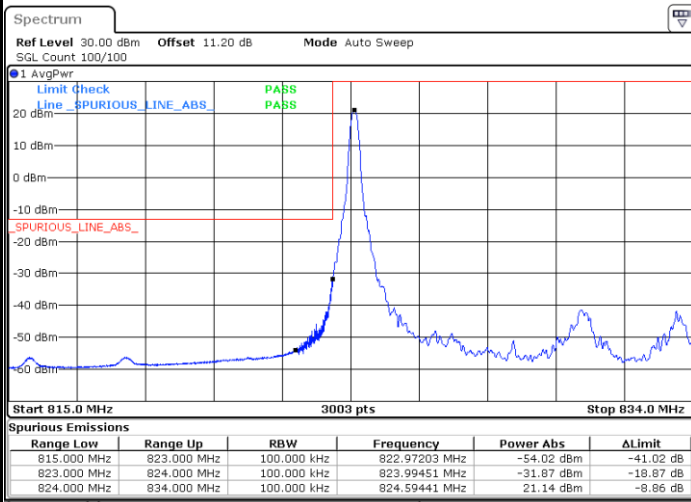


Date: 25 DEC 2020 09:47:09



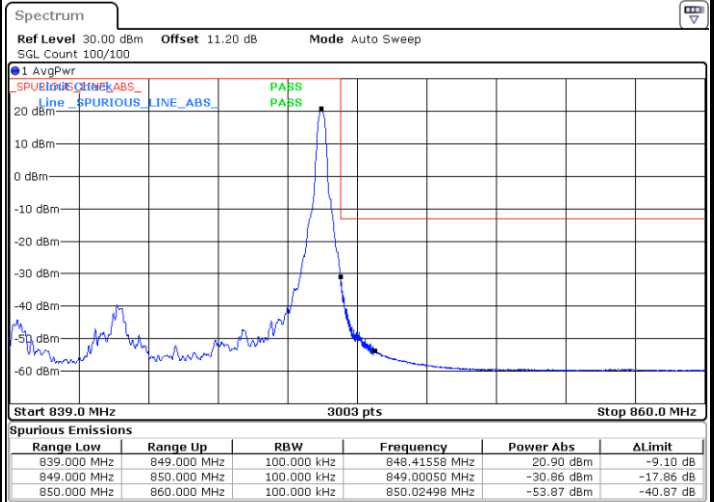
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



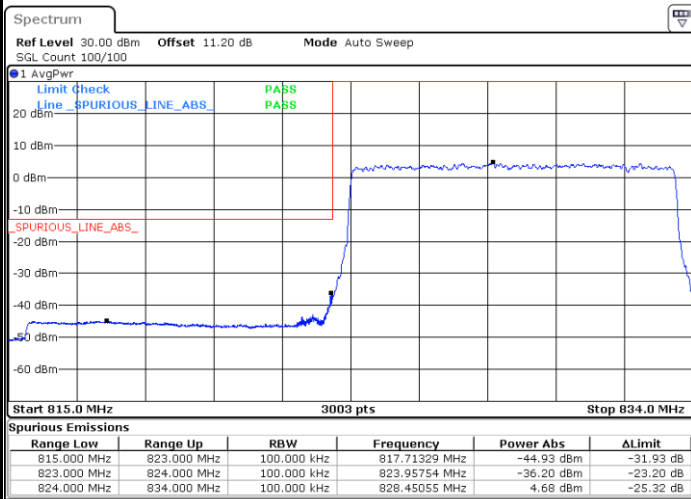
Date: 22 DEC 2020 23:48:23

Highest Band Edge / 1 RB



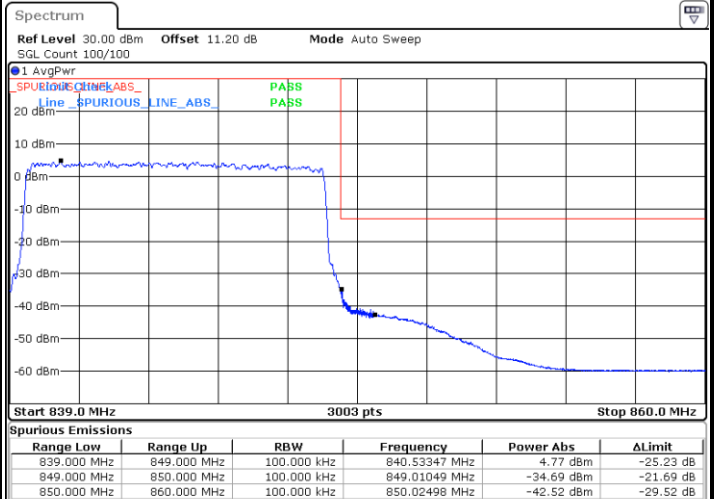
Date: 22 DEC 2020 23:57:48

Lowest Band Edge / Full RB



Date: 22 DEC 2020 23:51:47

Highest Band Edge / Full RB

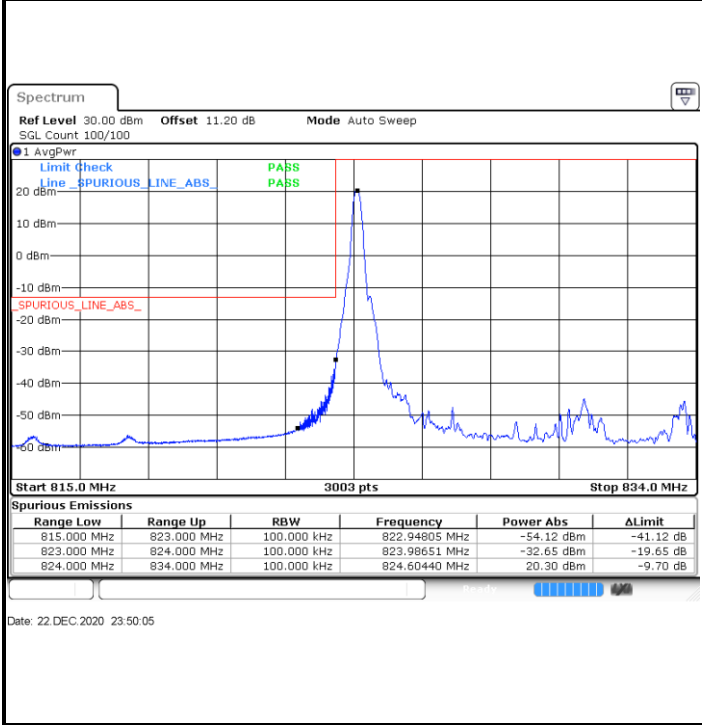


Date: 23 DEC 2020 00:01:13

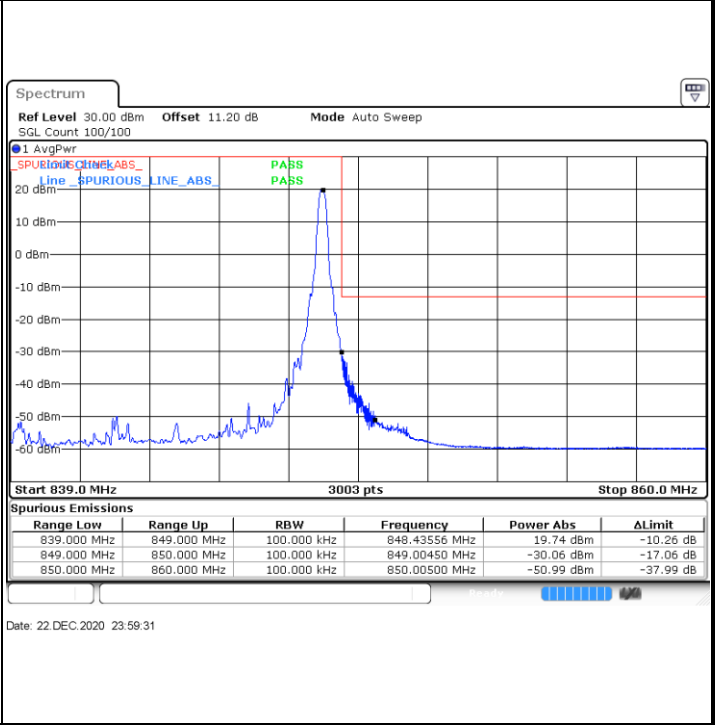


LTE Band 5 / 10MHz / 16QAM

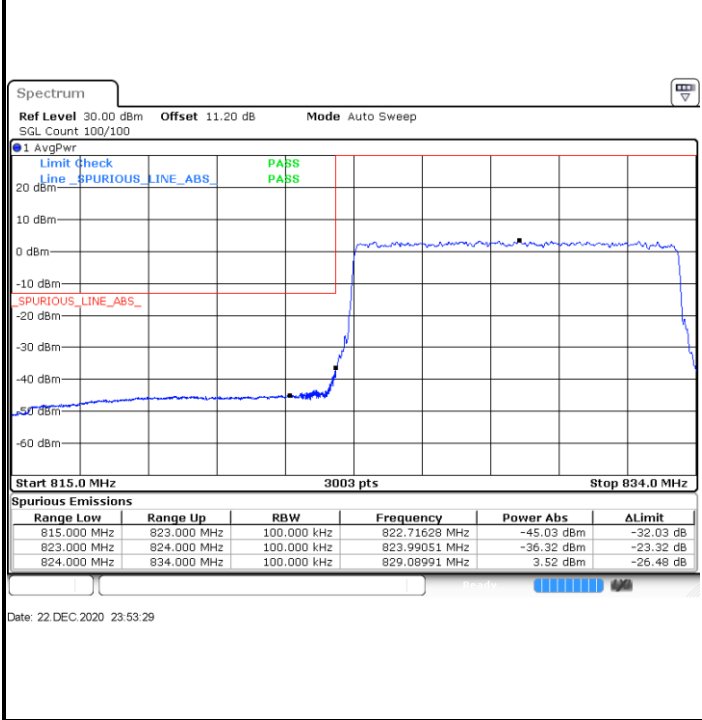
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



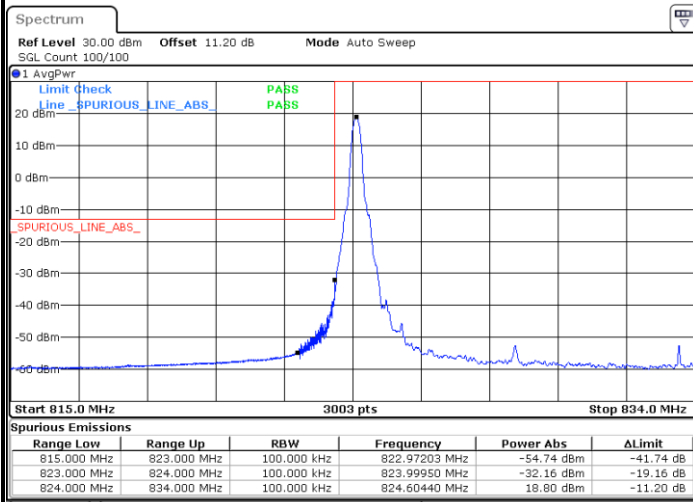
Highest Band Edge / Full RB





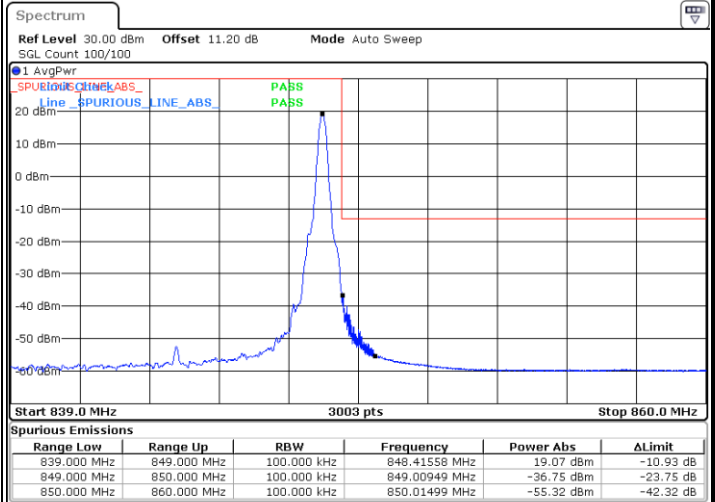
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



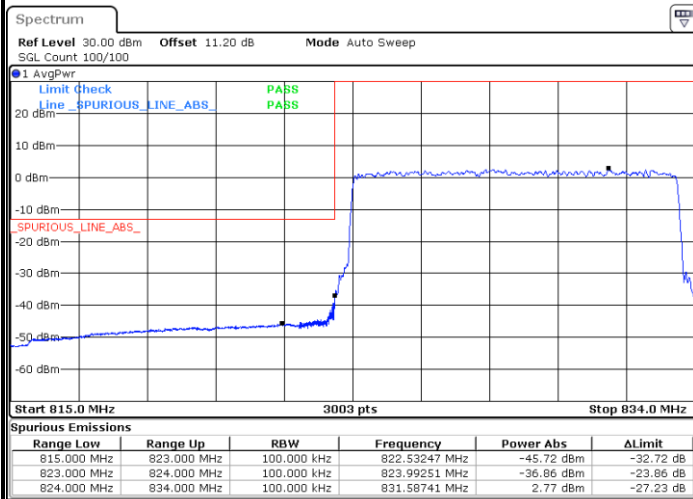
Date: 23 DEC 2020 00:05:30

Highest Band Edge / 1 RB



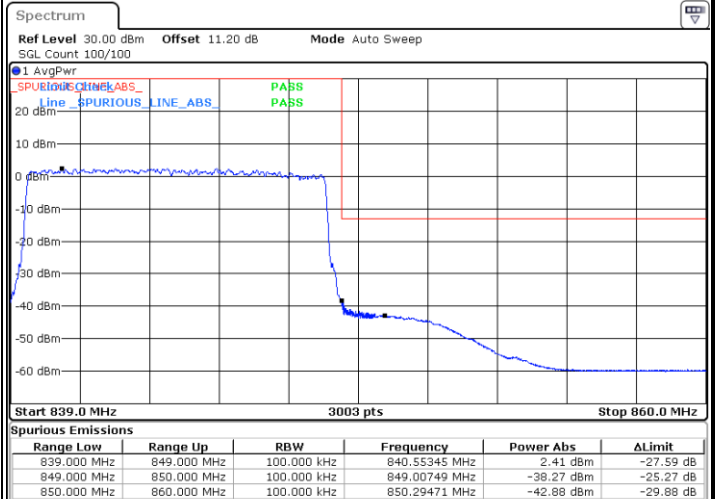
Date: 23 DEC 2020 00:09:20

Lowest Band Edge / Full RB



Date: 23 DEC 2020 00:07:12

Highest Band Edge / Full RB

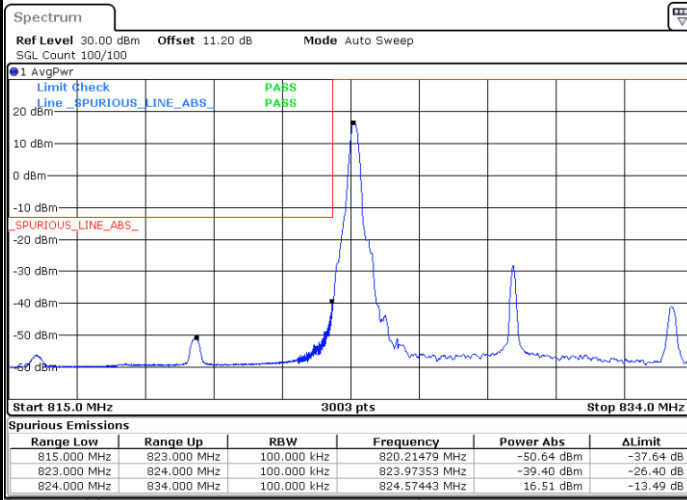


Date: 23 DEC 2020 00:11:02



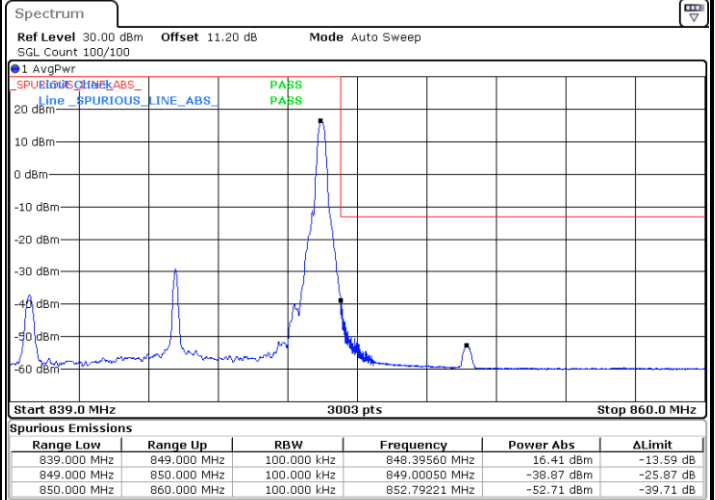
LTE Band 5 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



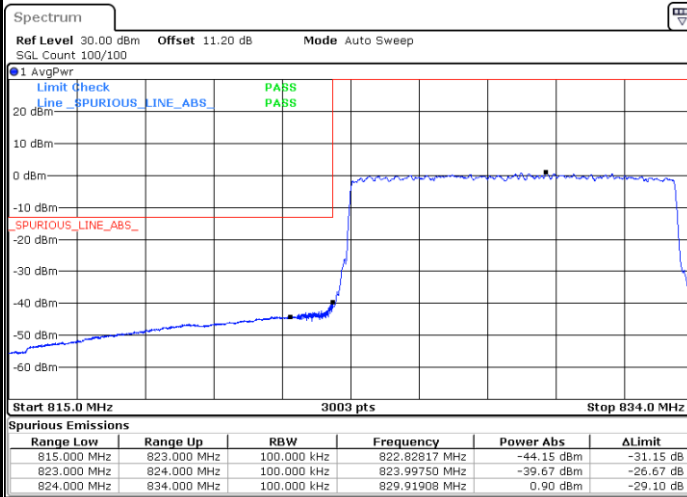
Date: 25 DEC 2020 10:01:08

Highest Band Edge / 1 RB



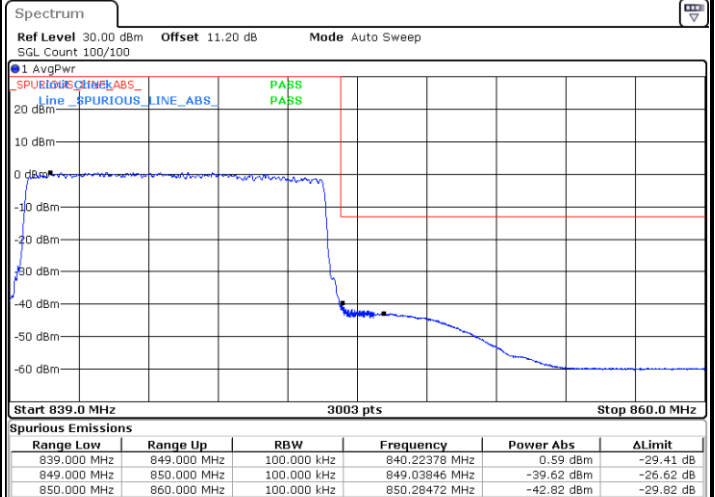
Date: 25 DEC 2020 10:06:39

Lowest Band Edge / Full RB



Date: 25 DEC 2020 10:03:01

Highest Band Edge / Full RB



Date: 25 DEC 2020 10:08:32



Conducted Spurious Emission

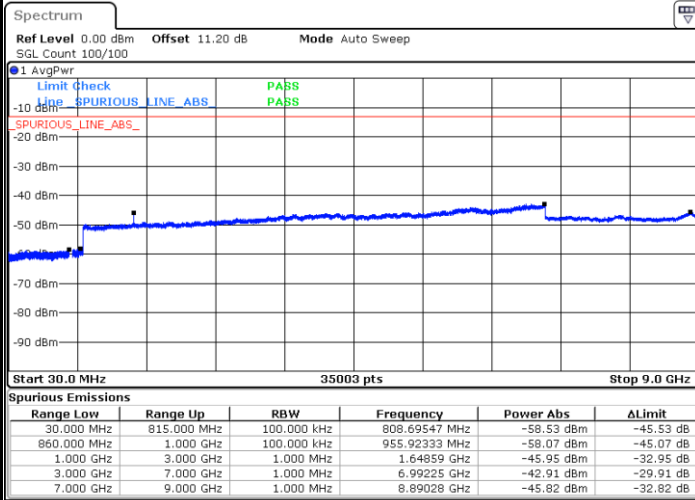




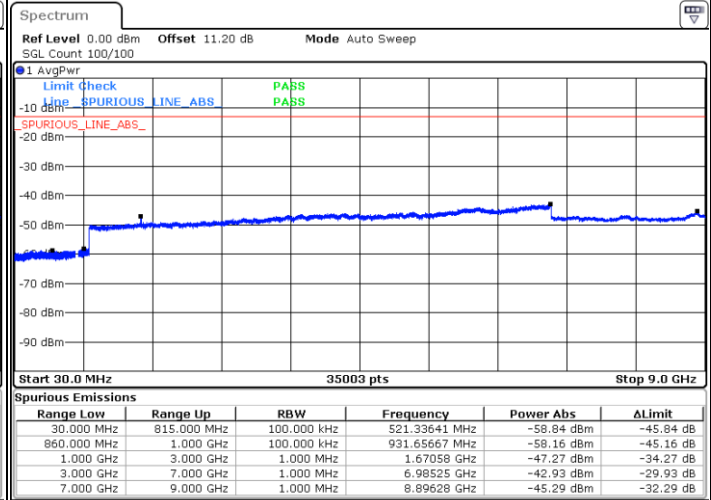
LTE Band 5 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

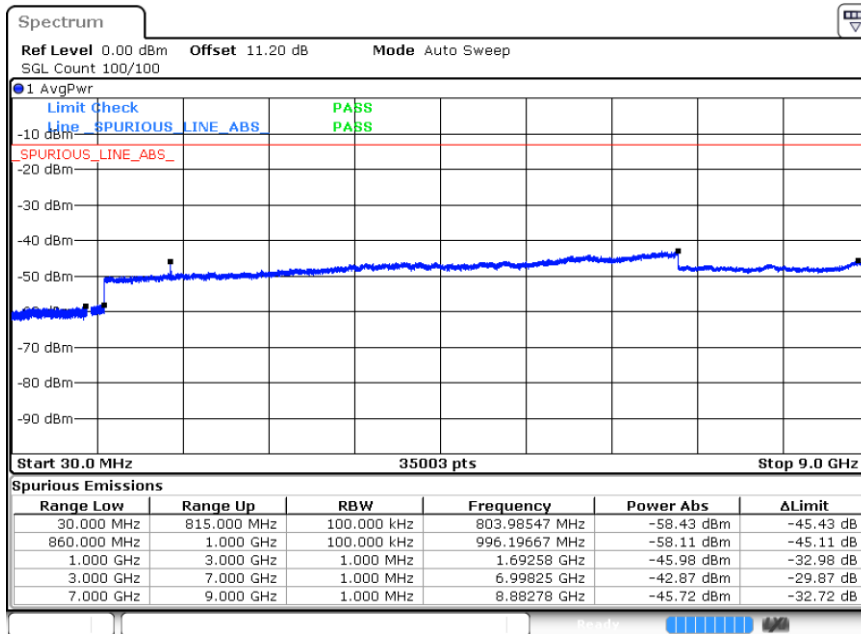


Date: 22 DEC 2020 20:03:27



Date: 22 DEC 2020 20:05:11

Highest Channel / QPSK



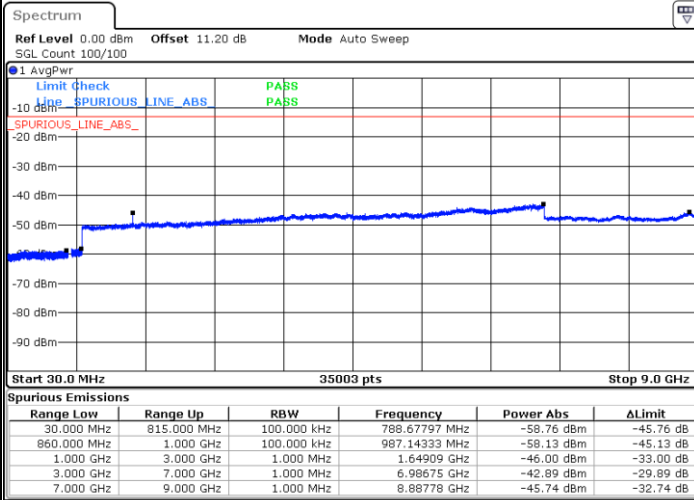
Date: 22 DEC 2020 20:12:52



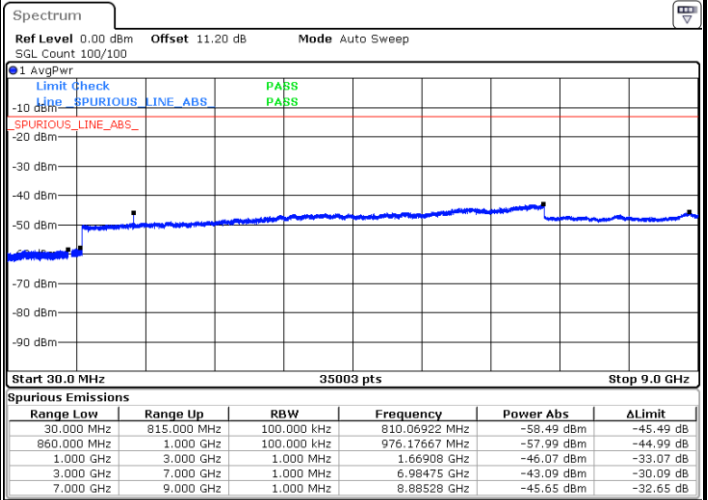
LTE Band 5 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

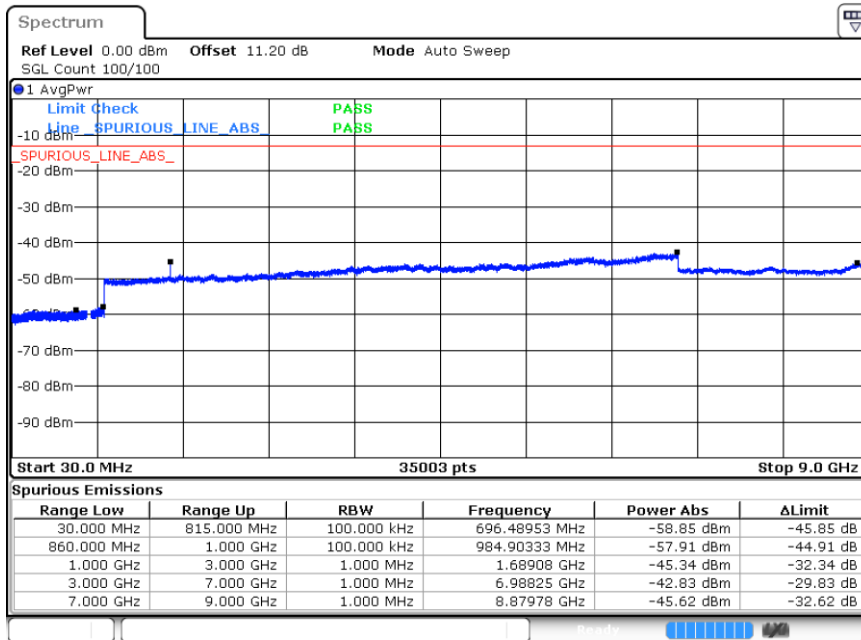


Date: 22 DEC.2020 23:29:59



Date: 22 DEC.2020 23:31:44

Highest Channel / QPSK



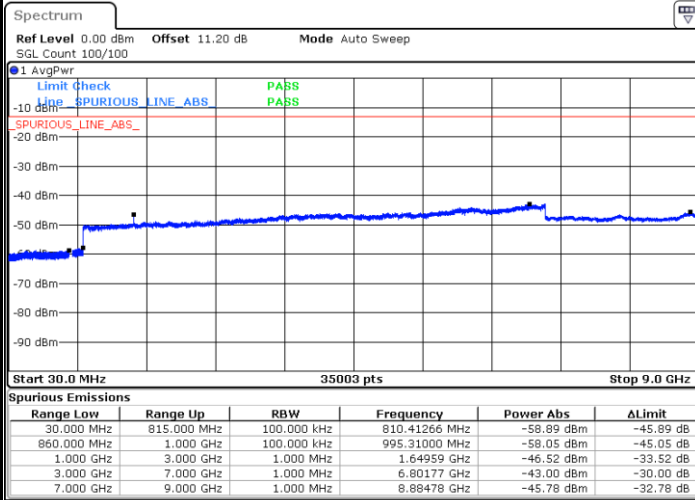
Date: 22 DEC.2020 23:39:24



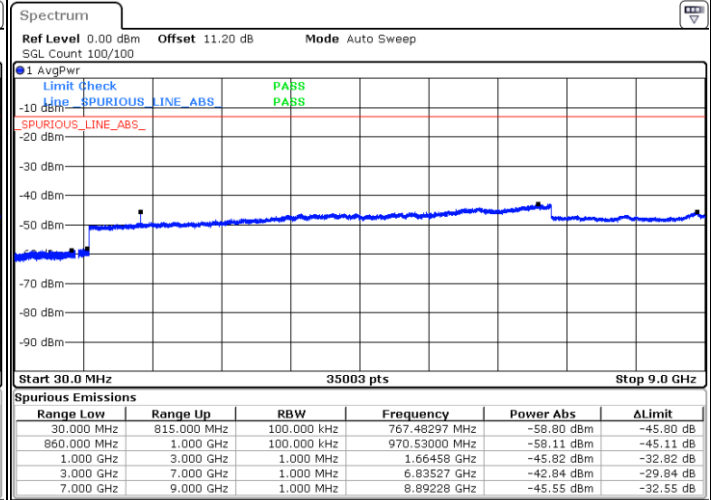
LTE Band 5 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

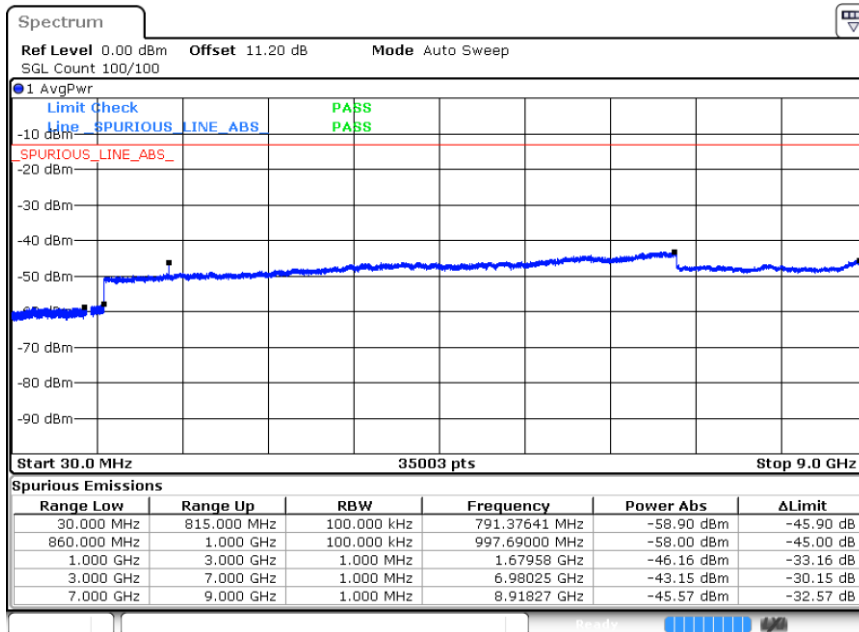


Date: 22 DEC.2020 23:54:22



Date: 22 DEC.2020 23:56:06

Highest Channel / QPSK



Date: 23 DEC.2020 00:03:47



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	0.0038	PASS
40	Normal Voltage	0.0110	
30	Normal Voltage	0.0093	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0123	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0126	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0179	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 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	-	-	14.63
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.60	19.62	-

Mode	LTE Band 5B : 26dB BW(MHz)		
16QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	-	-	14.54
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.63	19.70	-

Mode	LTE Band 5B : 26dB BW(MHz)		
64QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	-	-	14.51
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.60	19.50	-

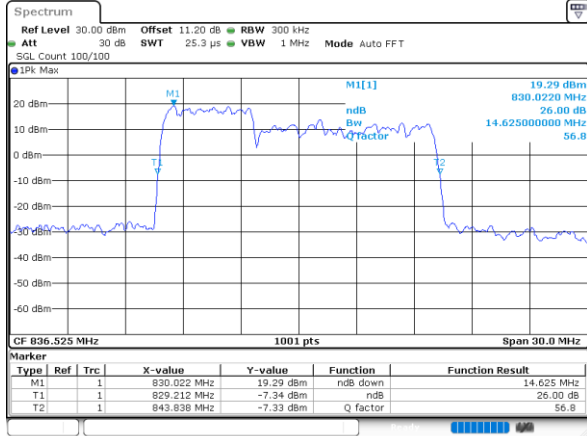
Mode	LTE Band 5B : 26dB BW(MHz)		
256QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	-	-	14.54
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.63	19.58	-



LTE Band 5B

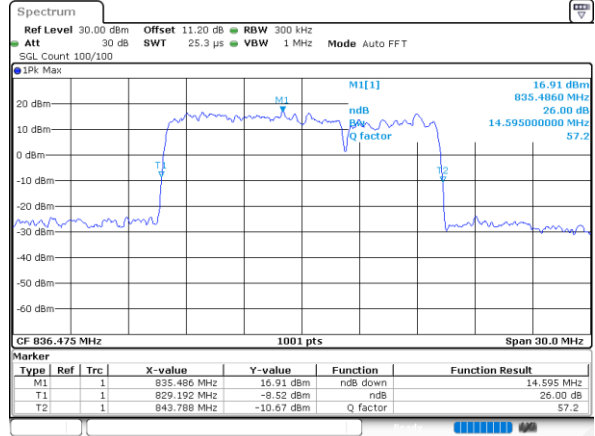
QPSK

Middle Channel / 5MHz+10MHz



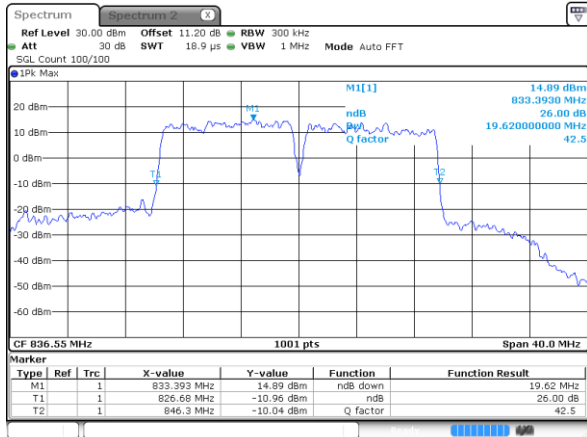
Date: 17, DEC, 2020 00:31:46

Middle Channel / 10MHz+5MHz



Date: 17, DEC, 2020 01:34:00

Middle Channel / 10MHz+10MHz



Date: 18, DEC, 2020 23:59:20

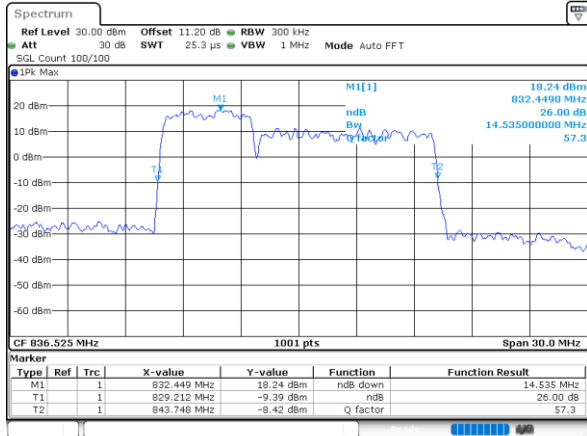
N/A



LTE Band 5B

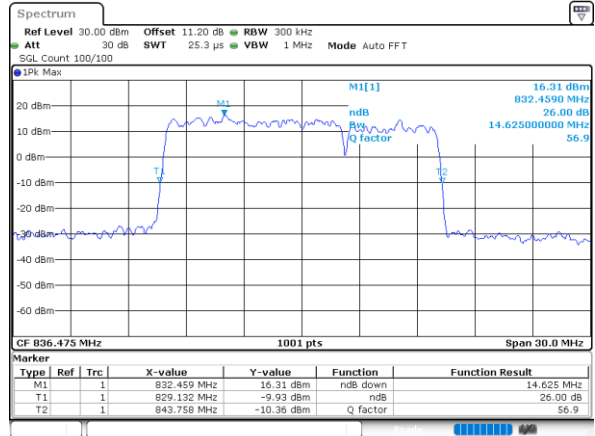
16QAM

Middle Channel / 5MHz+10MHz



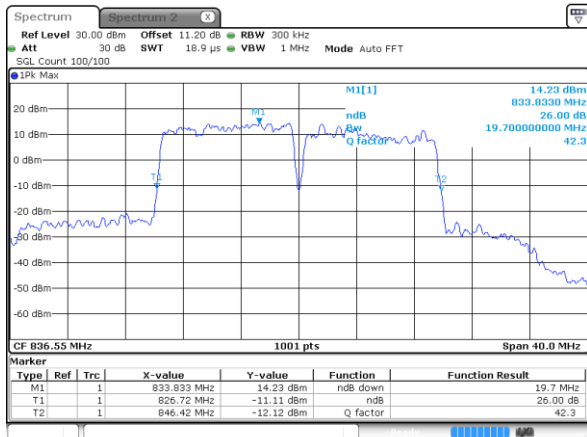
Date: 17, DEC, 2020 00:31:23

Middle Channel / 10MHz+5MHz



Date: 17, DEC, 2020 01:33:37

Middle Channel / 10MHz+10MHz



Date: 18, DEC, 2020 23:55:10

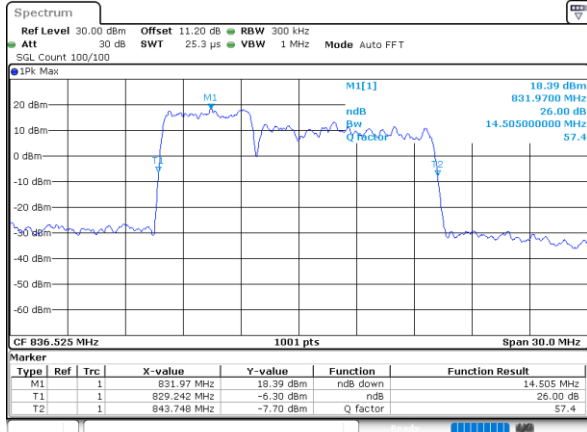
N/A



LTE Band 5B

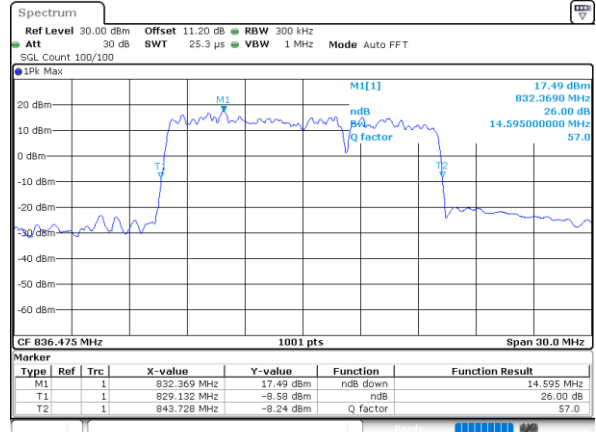
64QAM

Middle Channel / 5MHz+10MHz



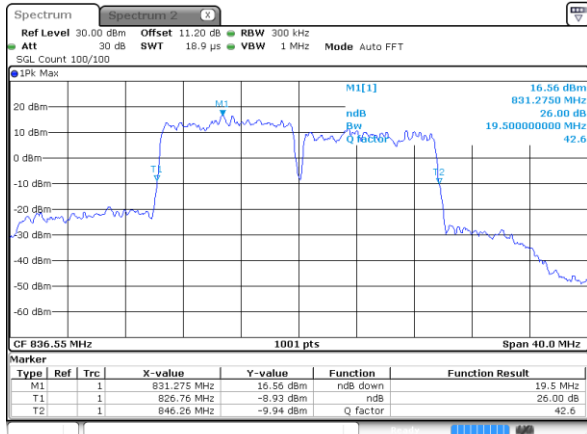
Date: 17, DEC, 2020 00:31:00

Middle Channel / 10MHz+5MHz



Date: 17, DEC, 2020 01:33:14

Middle Channel / 10MHz+10MHz



Date: 18, DEC, 2020 23:57:20

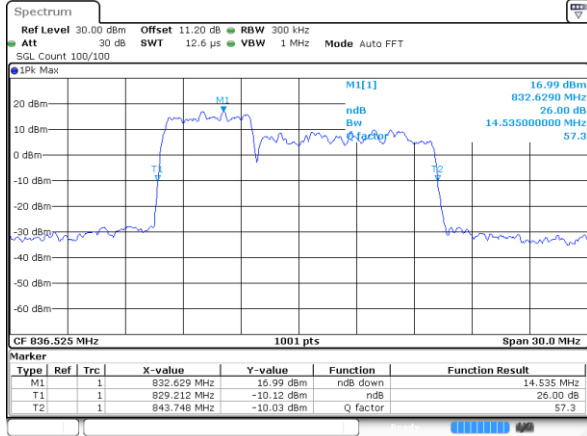
N/A



LTE Band 5B

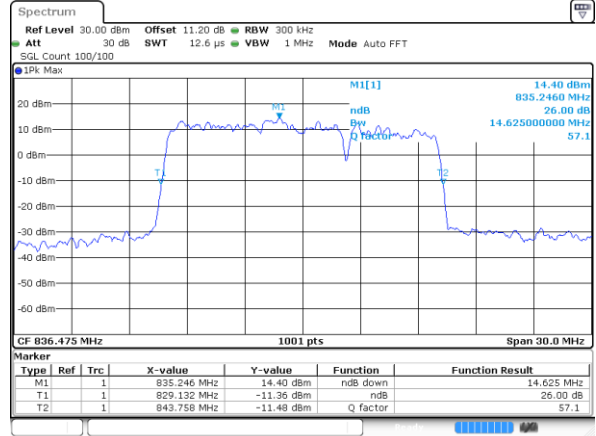
256QAM

Middle Channel / 5MHz+10MHz



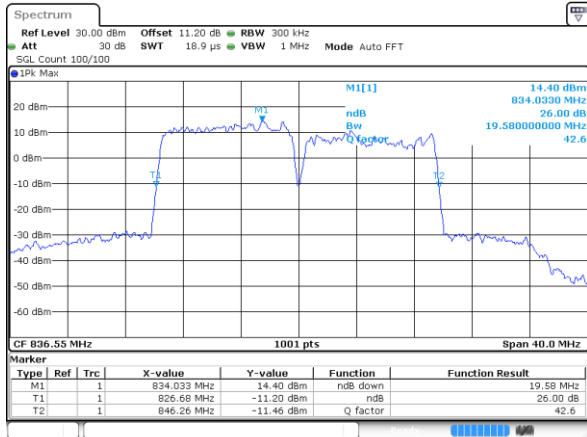
Date: 25 DEC 2020 20:16:41

Middle Channel / 10MHz+5MHz



Date: 25 DEC 2020 20:27:15

Middle Channel / 10MHz+10MHz



Date: 25 DEC 2020 20:25:13

N/A



Occupied Bandwidth

Mode	LTE Band 5B : 99%OBW(MHz)		
QPSK			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH			13.91
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.91	18.78	-

Mode	LTE Band 5B : 99%OBW(MHz)		
16QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH			13.79
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.79	18.66	-

Mode	LTE Band 5B : 99%OBW(MHz)		
64QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH			13.70
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.79	18.66	-

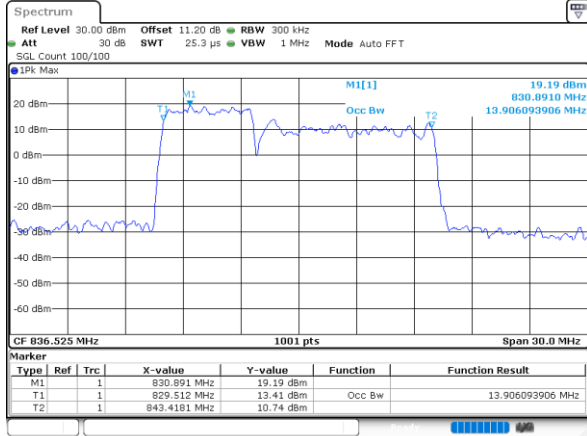
Mode	LTE Band 5B : 99%OBW(MHz)		
254QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH			13.79
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.90	18.58	-



LTE Band 5B

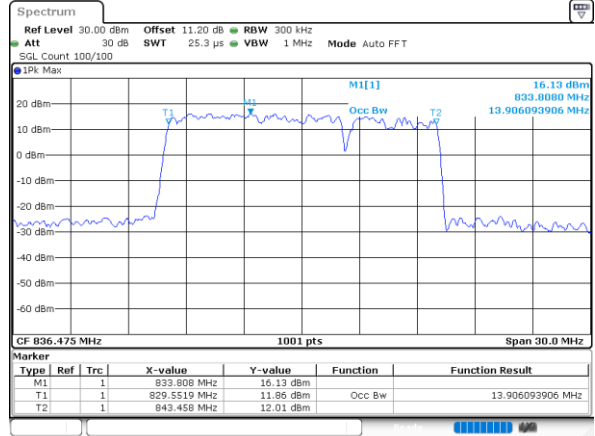
QPSK

Middle Channel / 5MHz+10MHz



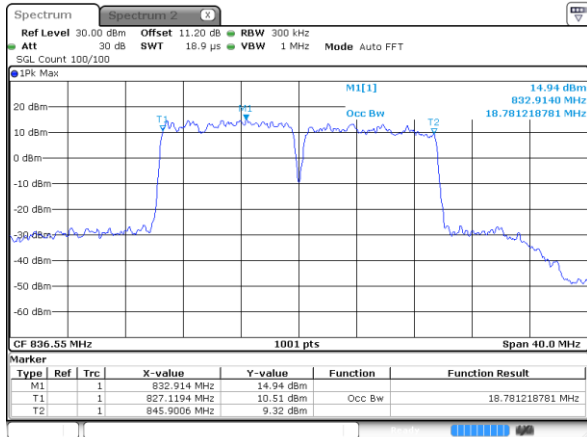
Date: 17, DEC, 2020 00:29:53

Middle Channel / 10MHz+5MHz



Date: 17, DEC, 2020 01:32:07

Middle Channel / 10MHz+10MHz



Date: 18, DEC, 2020 23:14:14

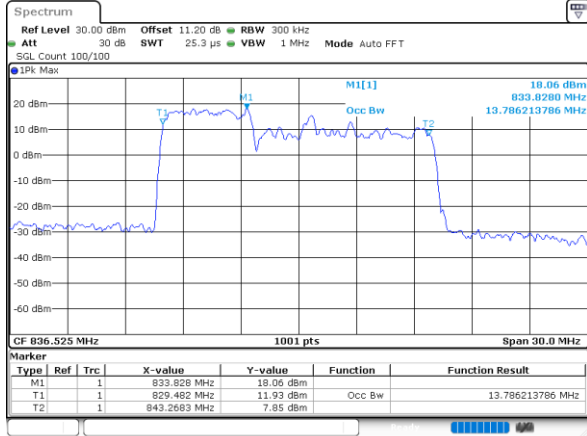
N/A



LTE Band 5B

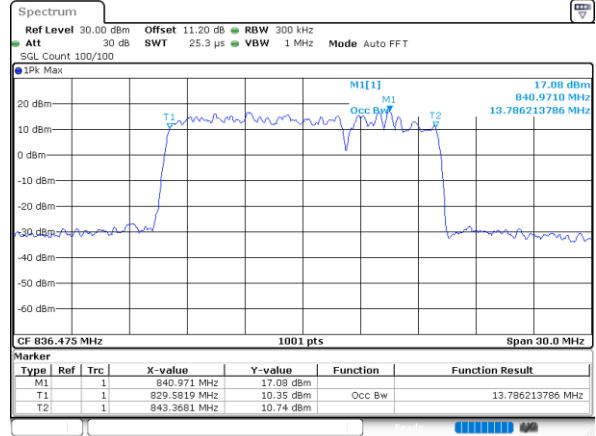
16QAM

Middle Channel / 5MHz+10MHz



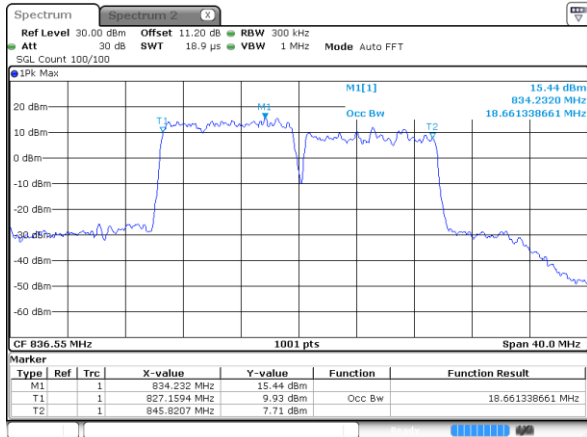
Date: 17, DEC, 2020 00:30:15

Middle Channel / 10MHz+5MHz



Date: 17, DEC, 2020 01:32:29

Middle Channel / 10MHz+10MHz



Date: 18, DEC, 2020 23:14:39

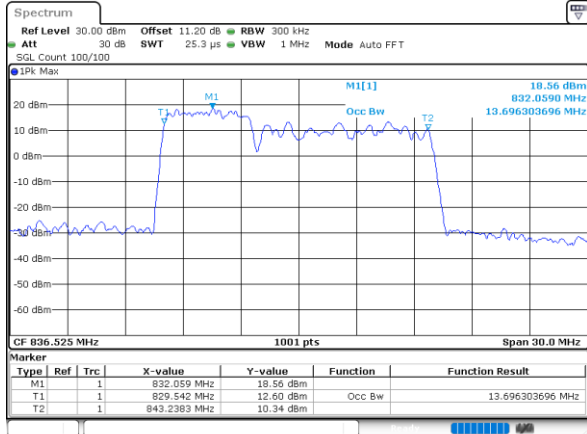
N/A



LTE Band 5B

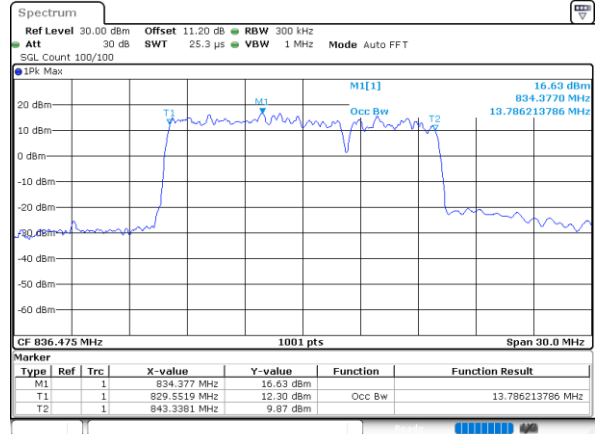
64QAM

Middle Channel / 5MHz+10MHz



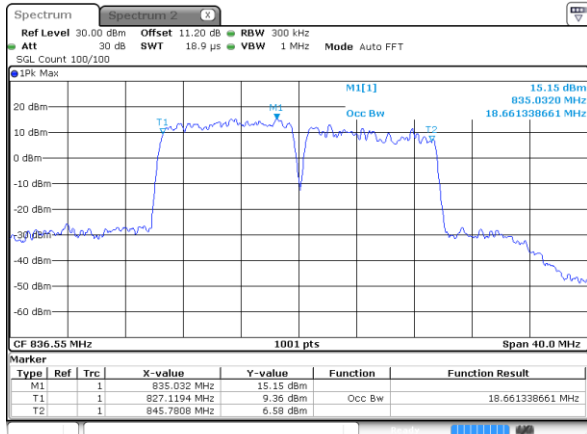
Date: 17, DEC, 2020 00:30:38

Middle Channel / 10MHz+5MHz



Date: 17, DEC, 2020 01:32:52

Middle Channel / 10MHz+10MHz



Date: 18, DEC, 2020 23:15:04

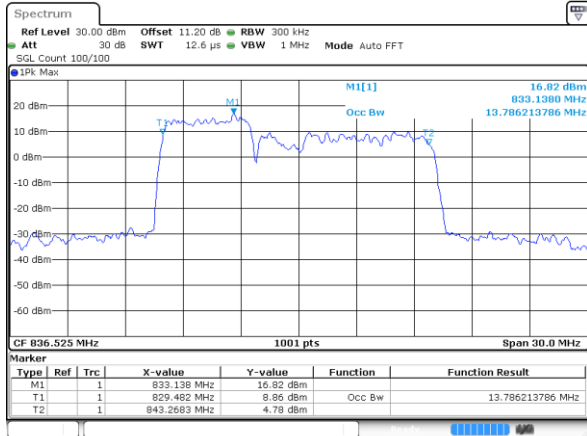
N/A



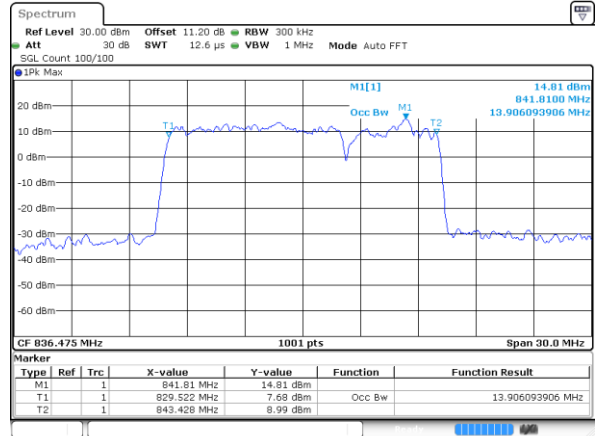
LTE Band 5B

256QAM

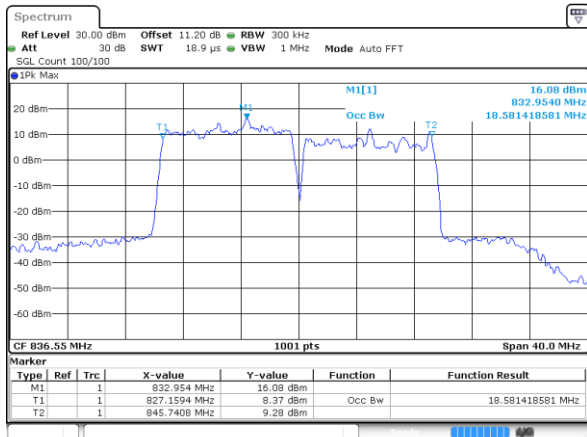
Middle Channel / 5MHz+10MHz



Middle Channel / 10MHz+5MHz



Middle Channel / 10MHz+10MHz



N/A



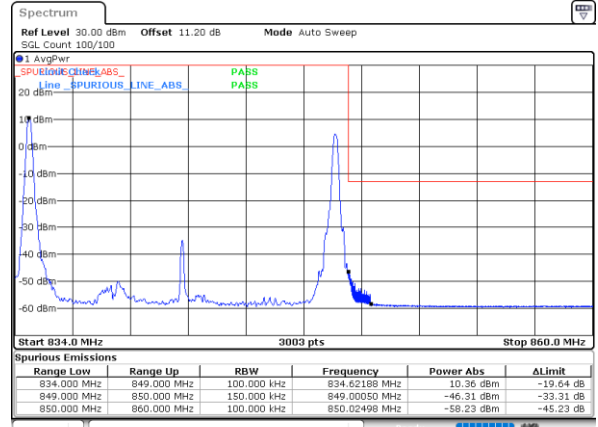
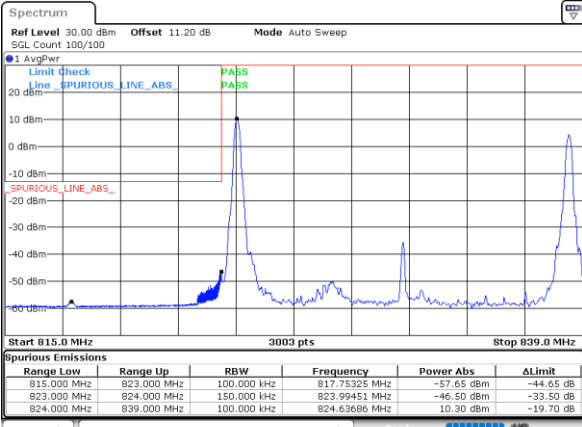
Conducted Band Edge

LTE Band 5B / 5MHz+10MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

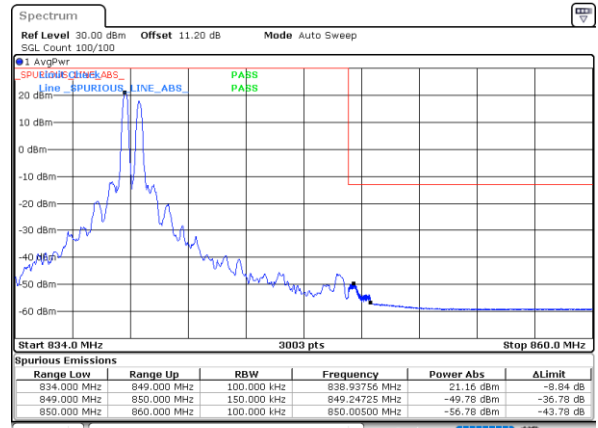
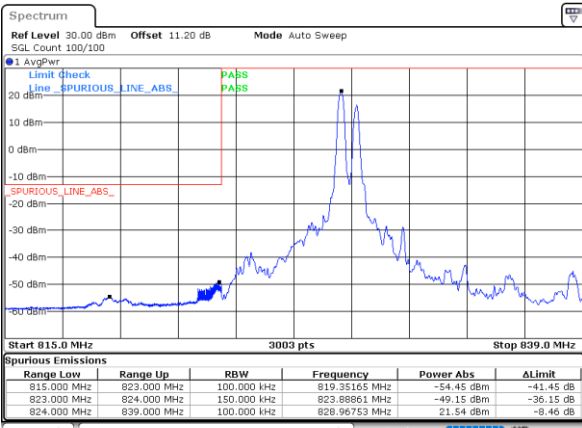


Date: 17, DEC, 2020 00:14:14

Date: 17, DEC, 2020 00:15:08

Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0

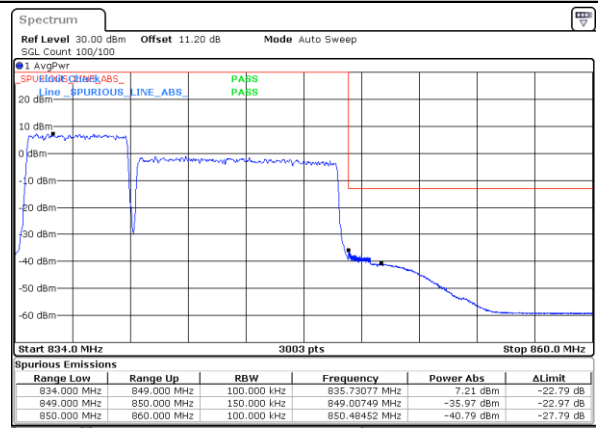
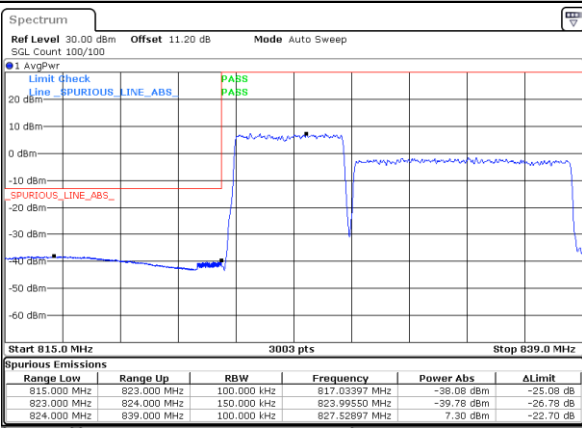


Date: 17, DEC, 2020 00:16:06

Date: 17, DEC, 2020 01:17:32

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17, DEC, 2020 00:04:48

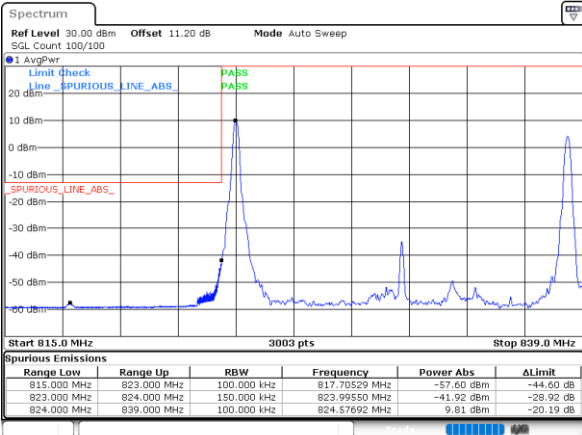
Date: 17, DEC, 2020 00:15:16



LTE Band 5B / 10MHz+5MHz

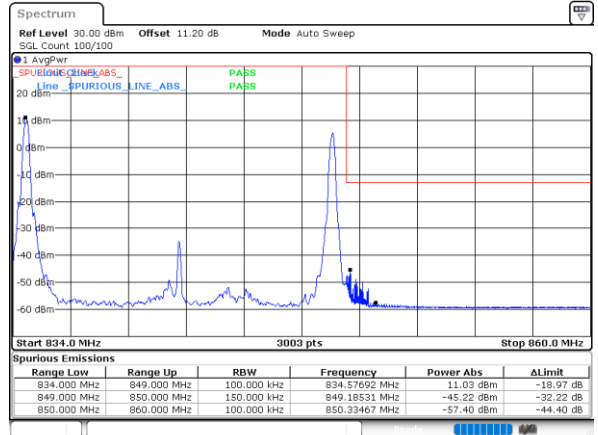
QPSK

Lowest Band Edge / 1RB0 and 1RB24



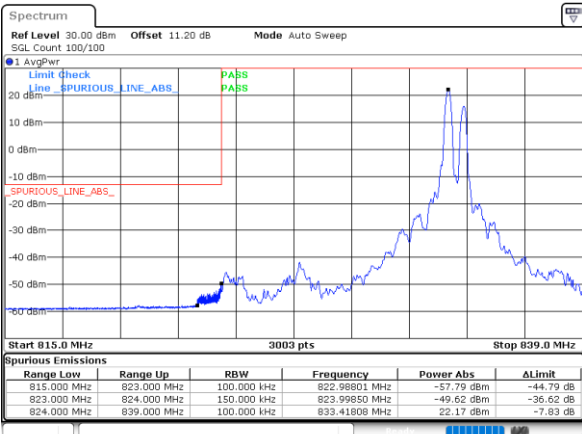
Date: 17, DEC, 2020 01:22:49

Highest Band Edge / 1RB0 and 1RB24



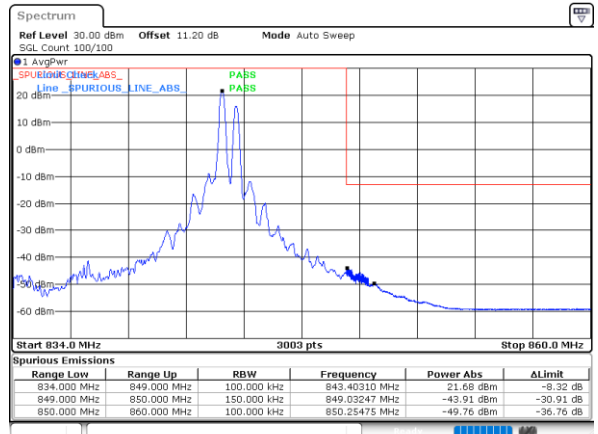
Date: 17, DEC, 2020 01:14:01

Lowest Band Edge / 1RB49 and 1RB0



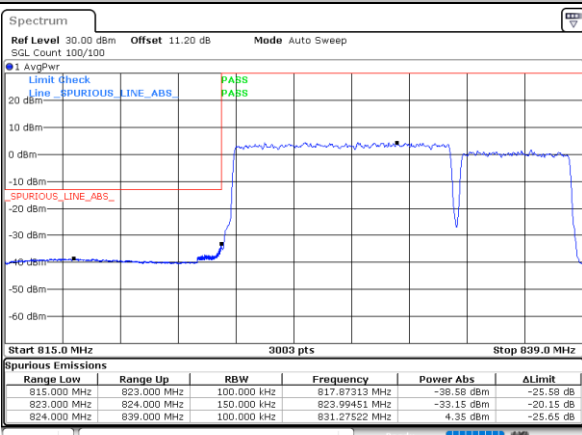
Date: 17, DEC, 2020 01:24:42

Highest Band Edge / 1RB49 and 1RB0



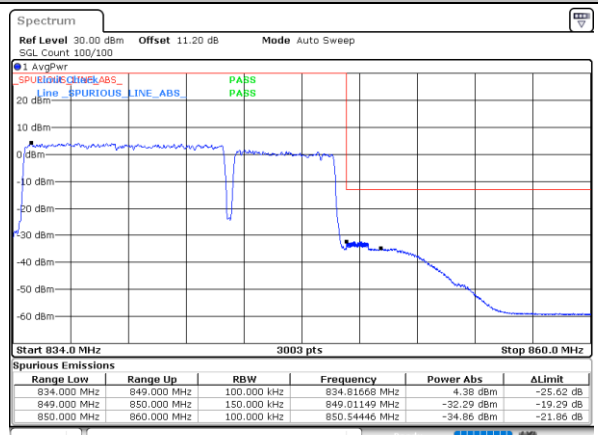
Date: 17, DEC, 2020 01:14:25

Lowest Band Edge / Full RB



Date: 17, DEC, 2020 01:13:24

Highest Band Edge / Full RB



Date: 17, DEC, 2020 01:14:08