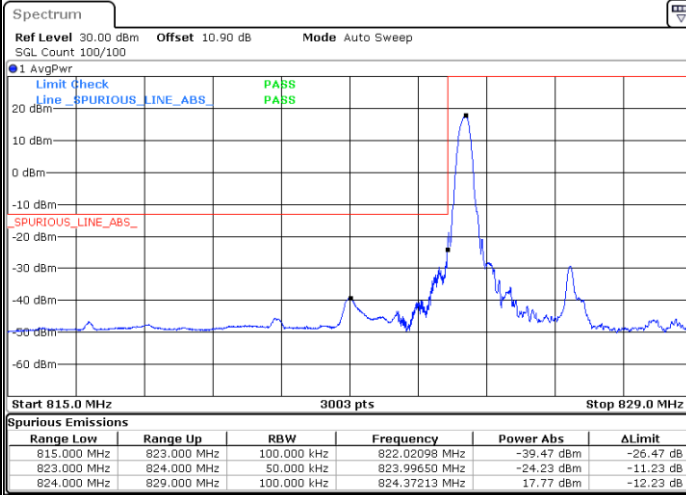




LTE Band 5 / 5MHz / 256QAM

Lowest Band Edge / 1RB



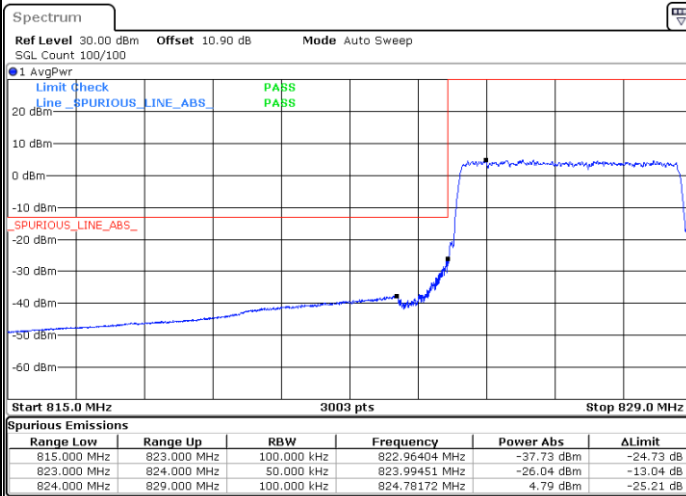
Date: 26.NOV.2021 09:12:37

Highest Band Edge / 1 RB



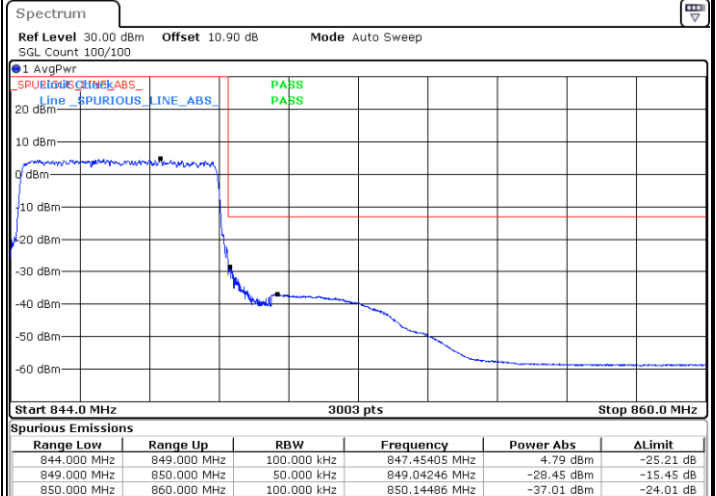
Date: 26.NOV.2021 09:13:47

Lowest Band Edge / Full RB



Date: 26.NOV.2021 09:11:57

Highest Band Edge / Full RB

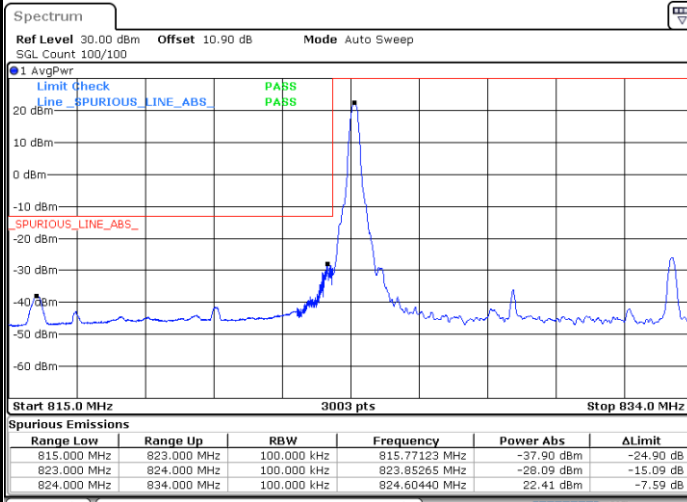


Date: 26.NOV.2021 09:14:27



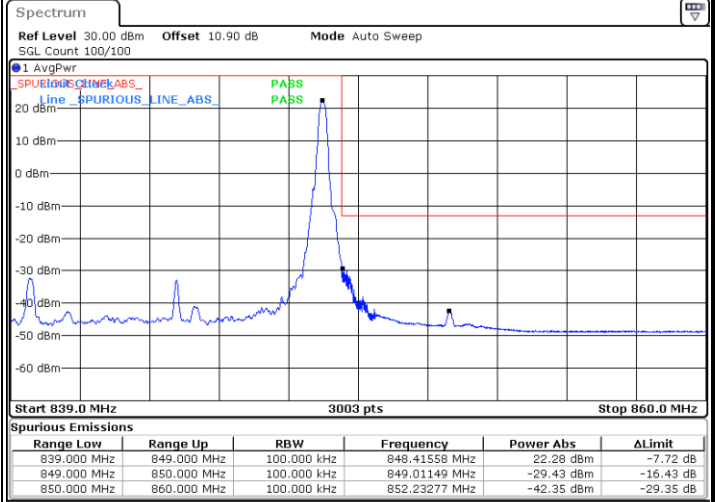
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



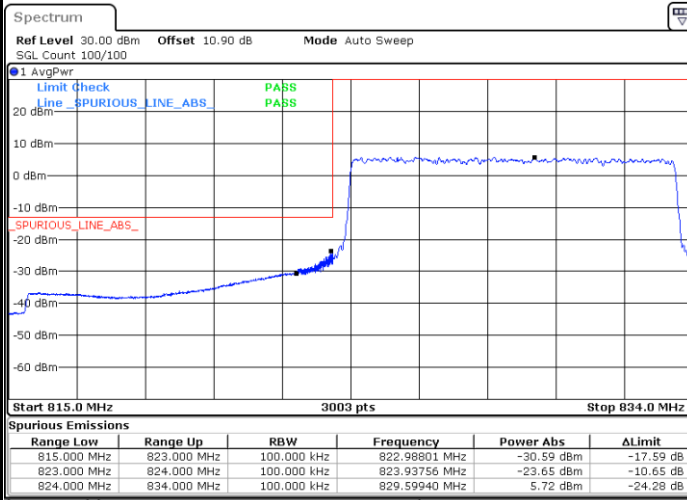
Date: 16.NOV.2021 11:13:23

Highest Band Edge / 1 RB



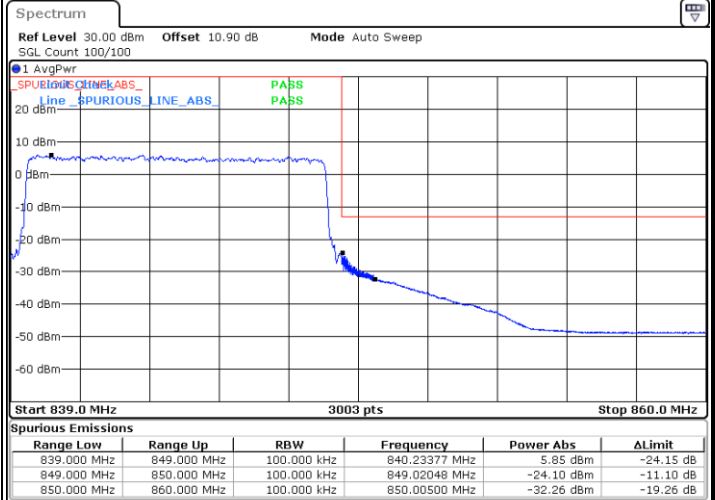
Date: 16.NOV.2021 11:23:30

Lowest Band Edge / Full RB



Date: 16.NOV.2021 11:17:04

Highest Band Edge / Full RB

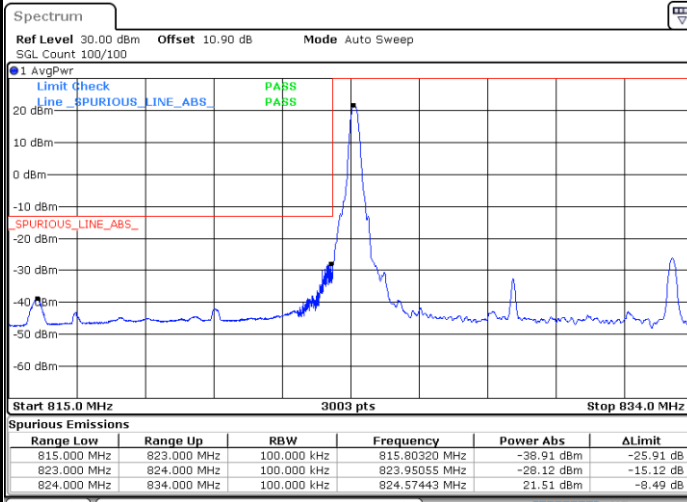


Date: 16.NOV.2021 11:27:13



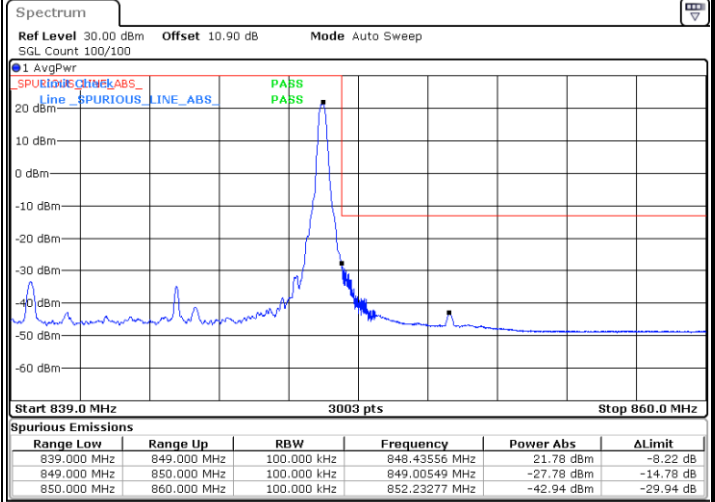
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



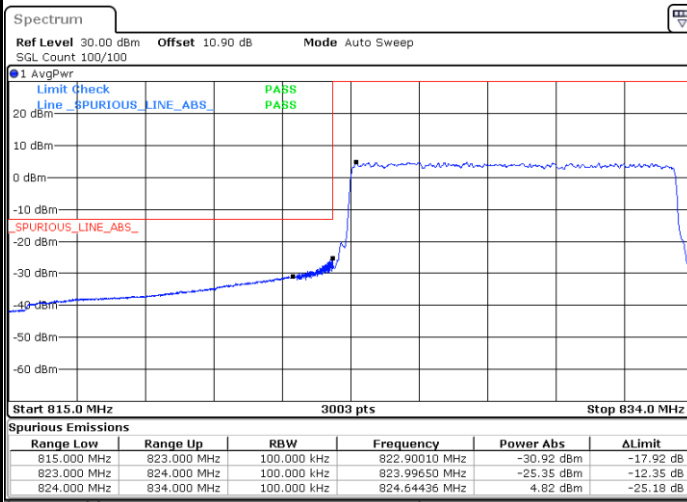
Date: 16.NOV.2021 11:15:14

Highest Band Edge / 1 RB



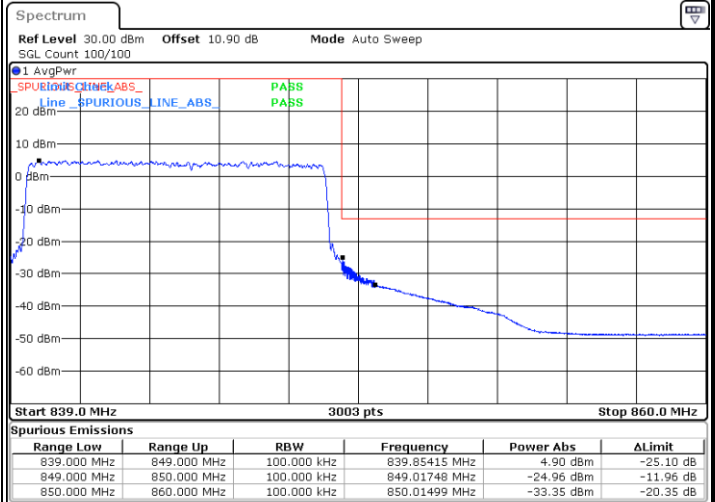
Date: 16.NOV.2021 11:25:22

Lowest Band Edge / Full RB



Date: 16.NOV.2021 11:18:54

Highest Band Edge / Full RB

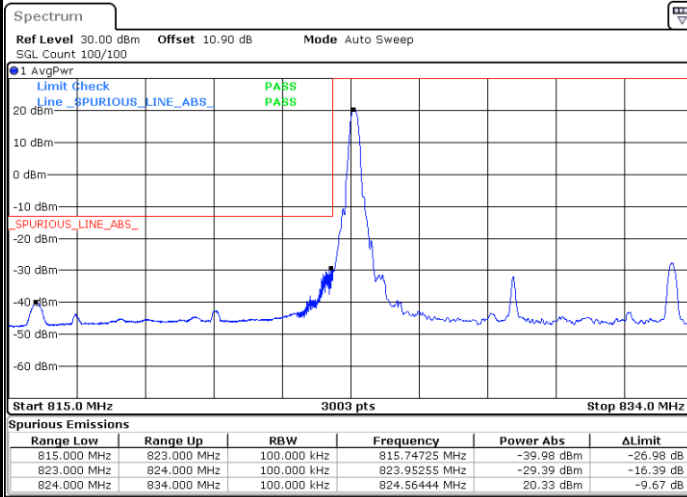


Date: 16.NOV.2021 11:29:03



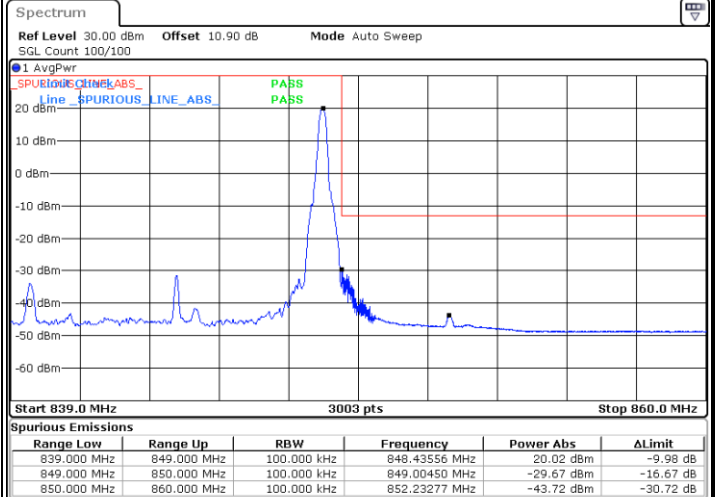
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



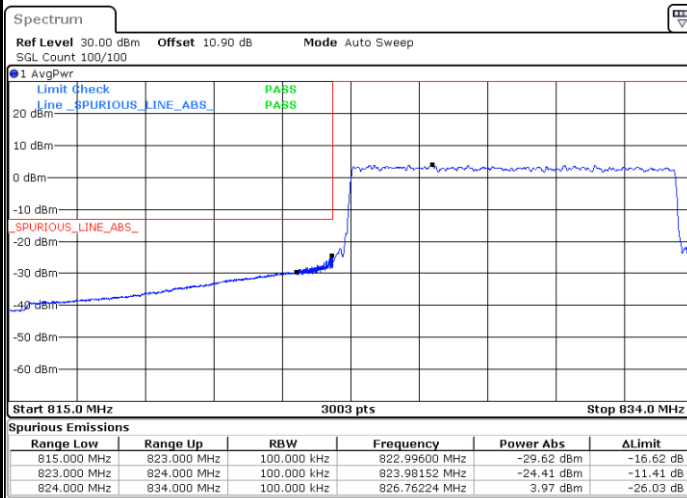
Date: 16.NOV.2021 11:31:29

Highest Band Edge / 1 RB



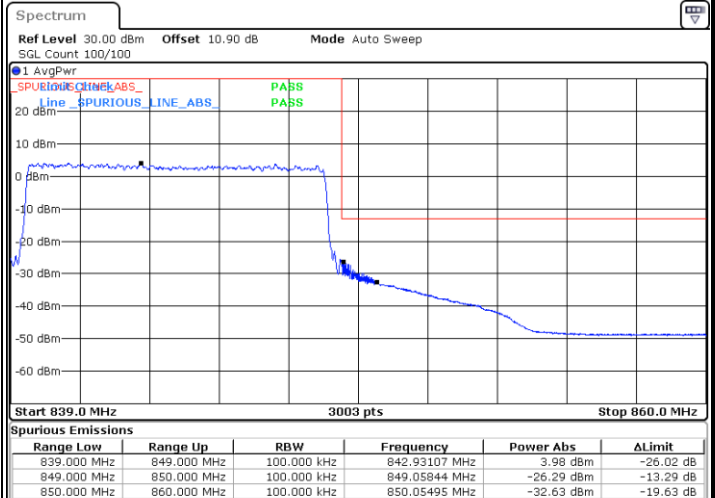
Date: 16.NOV.2021 11:35:52

Lowest Band Edge / Full RB



Date: 16.NOV.2021 11:33:20

Highest Band Edge / Full RB

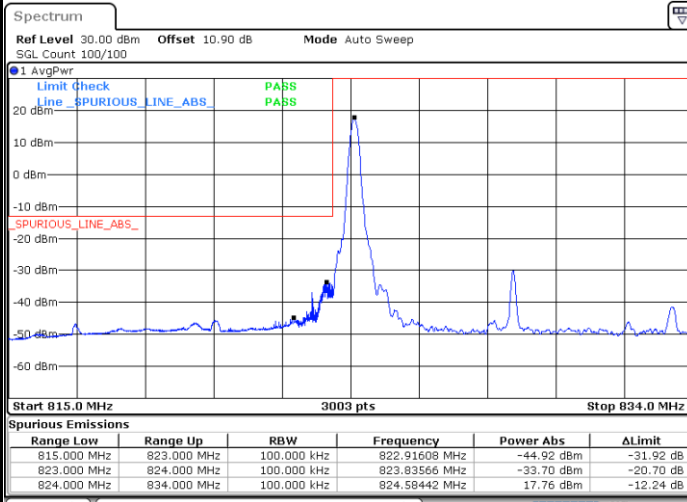


Date: 16.NOV.2021 11:37:42



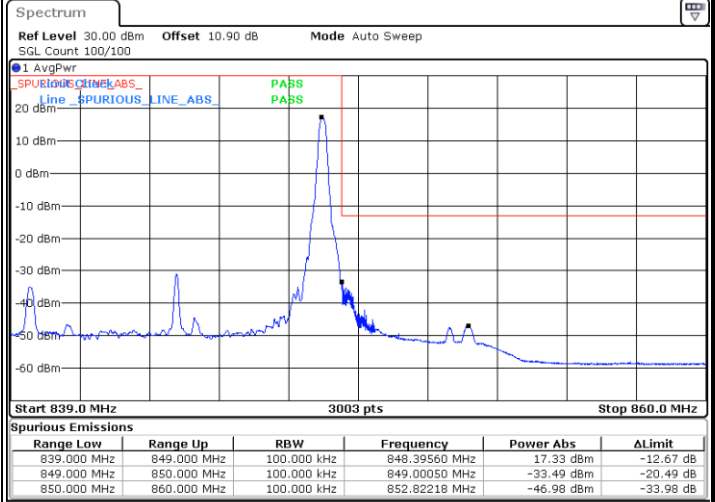
LTE Band 5 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



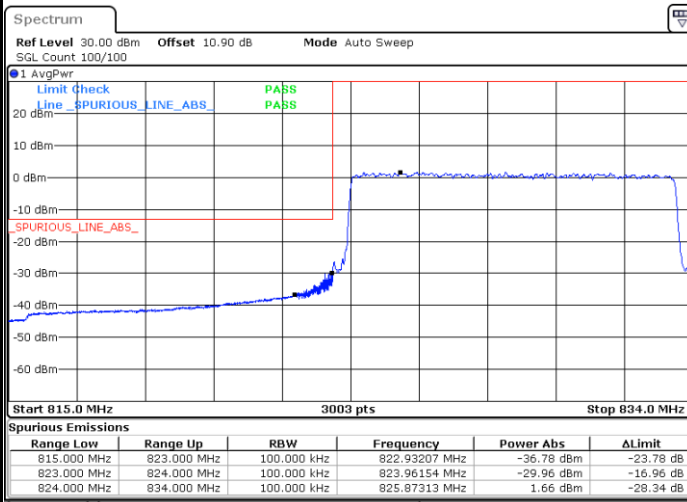
Date: 26.NOV.2021 09:17:11

Highest Band Edge / 1 RB



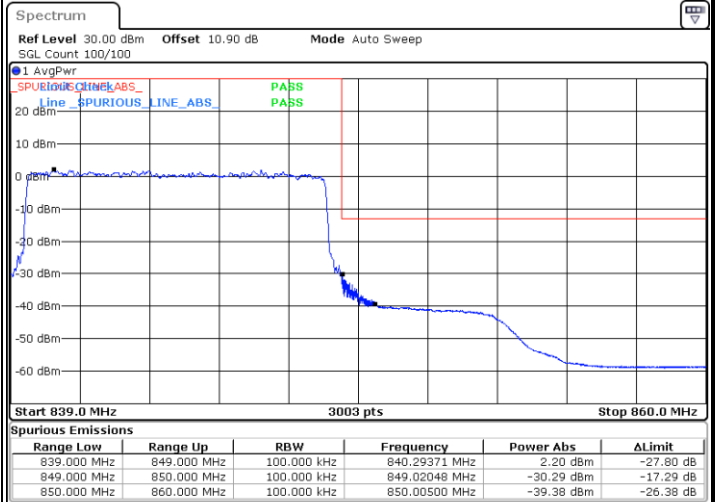
Date: 26.NOV.2021 09:18:24

Lowest Band Edge / Full RB



Date: 26.NOV.2021 09:16:33

Highest Band Edge / Full RB



Date: 26.NOV.2021 09:19:03

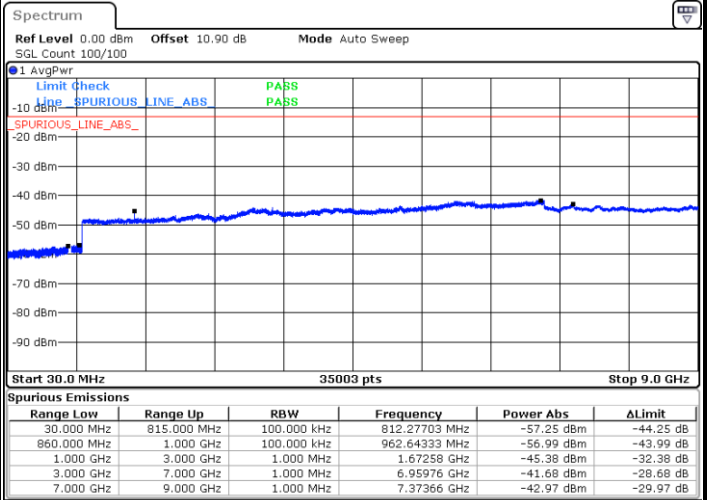
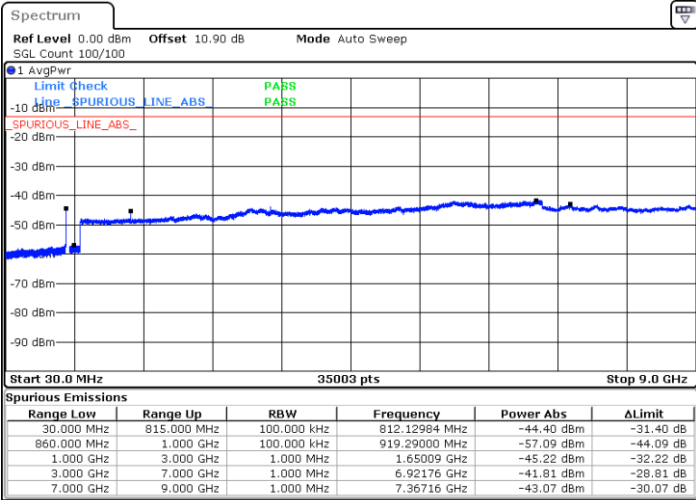


# Conducted Spurious Emission

## LTE Band 5 / 1.4MHz

### Lowest Channel / QPSK

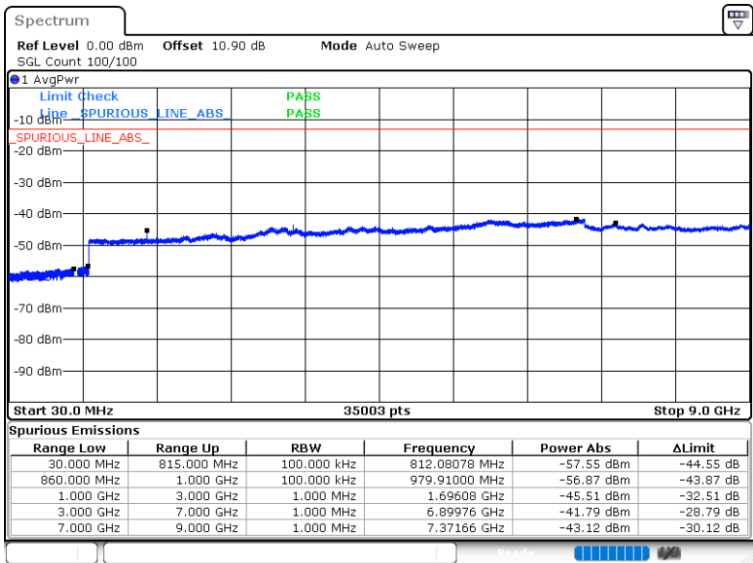
### Middle Channel / QPSK



Date: 16.NOV.2021 09:54:57

Date: 16.NOV.2021 09:56:58

### Highest Channel / QPSK



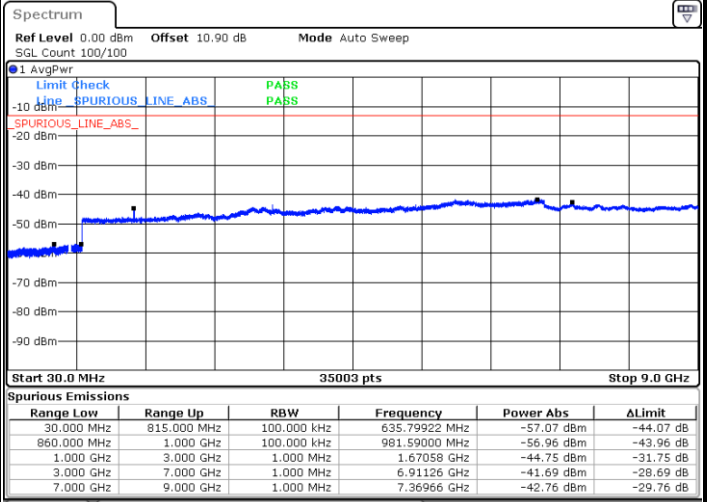
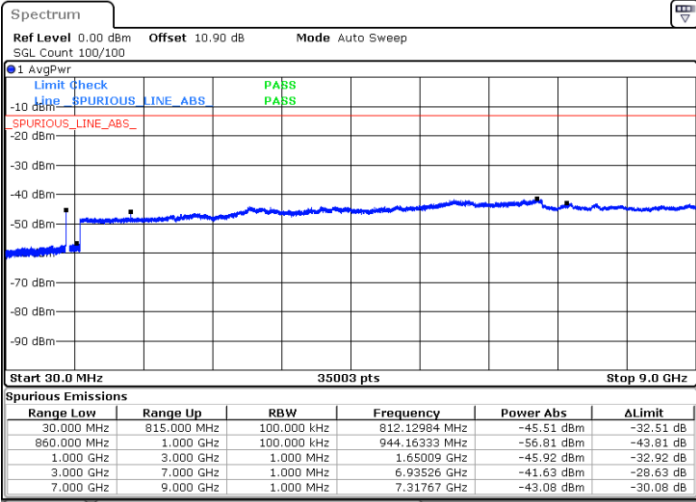
Date: 16.NOV.2021 10:04:55



LTE Band 5 / 3MHz

Lowest Channel / QPSK

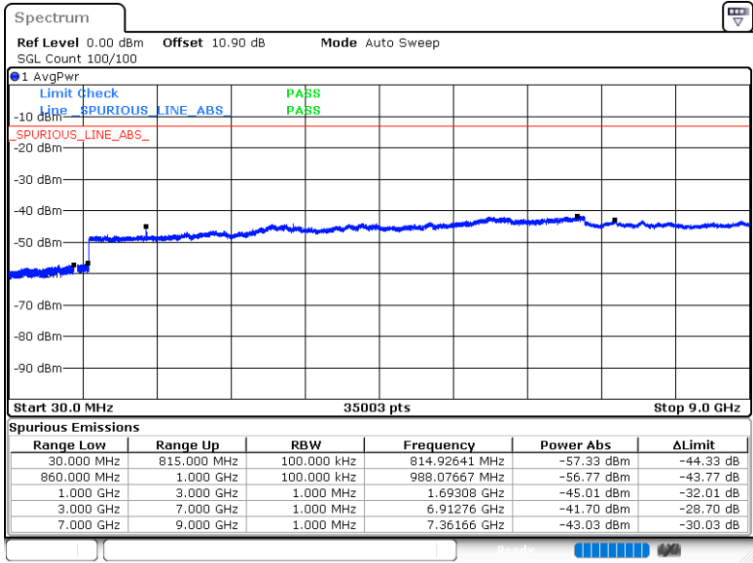
Middle Channel / QPSK



Date: 16.NOV.2021 10:21:16

Date: 16.NOV.2021 10:23:14

Highest Channel / QPSK



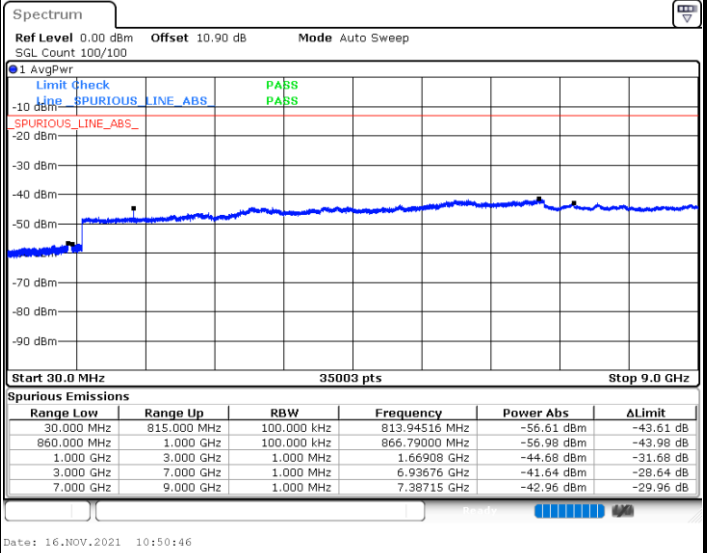
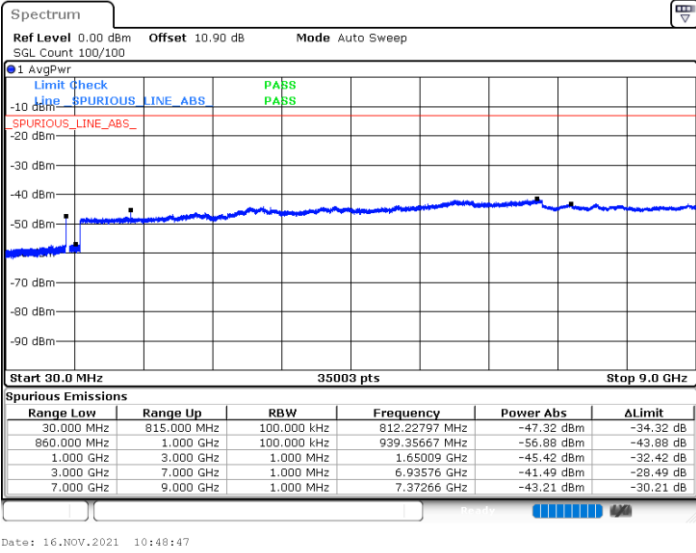
Date: 16.NOV.2021 10:31:11



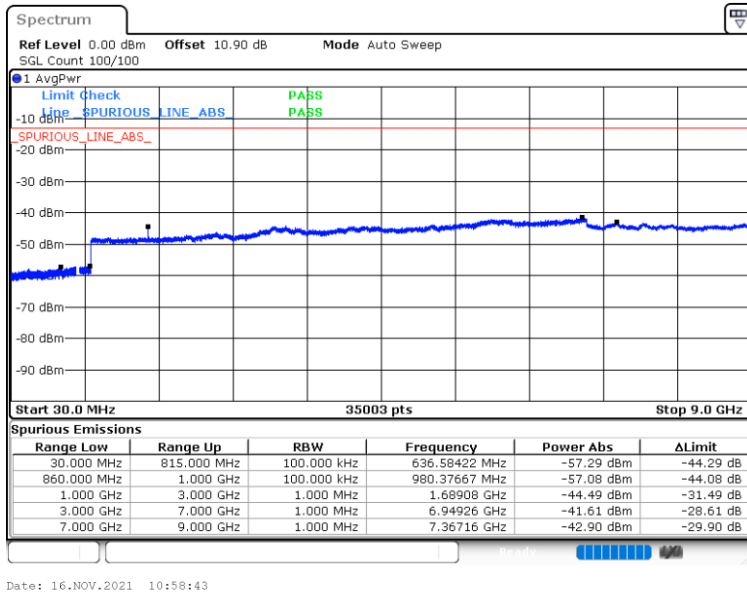
LTE Band 5 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK



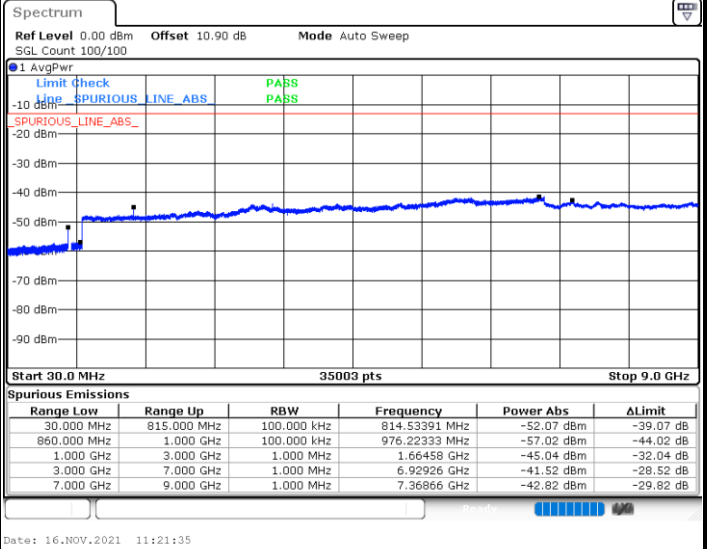
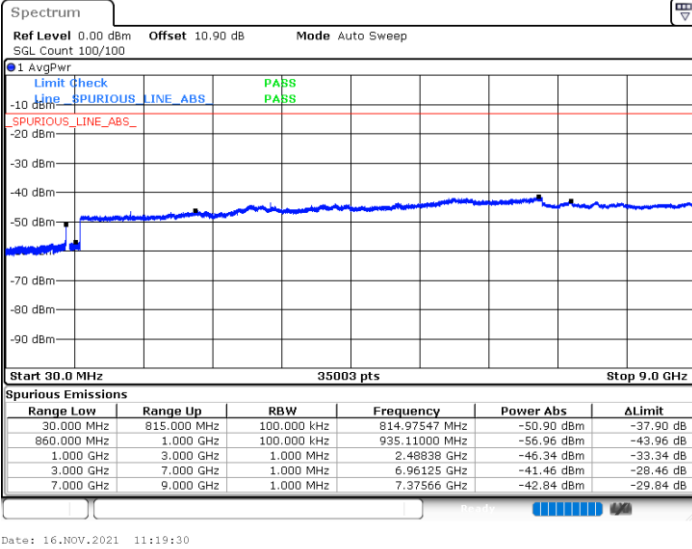




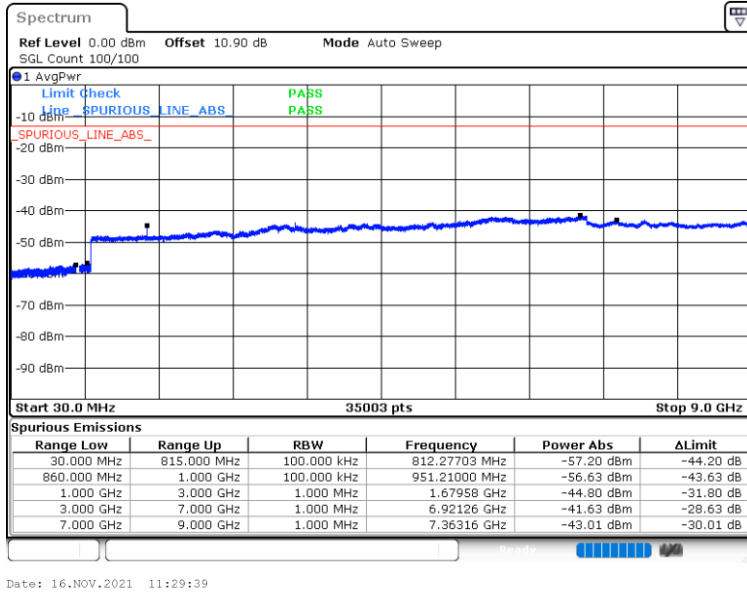
LTE Band 5 / 10MHz

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	0.0084	PASS
40	Normal Voltage	0.0065	
30	Normal Voltage	0.0085	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0042	
-10	Normal Voltage	0.0099	
-20	Normal Voltage	0.0043	
-30	Normal Voltage	0.0088	
20	Maximum Voltage	0.0109	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0042	

**Note:**

- 1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 5B

## 26dB Bandwidth

Mode	LTE Band 5B : 26dB BW(MHz)		
QPSK			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	-	-	14.96
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	15.14	19.62	-

Mode	LTE Band 5B : 26dB BW(MHz)		
16QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	-	-	14.60
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.72	10.07	-

Mode	LTE Band 5B : 26dB BW(MHz)		
64QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	-	-	14.72
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	15.20	19.54	-

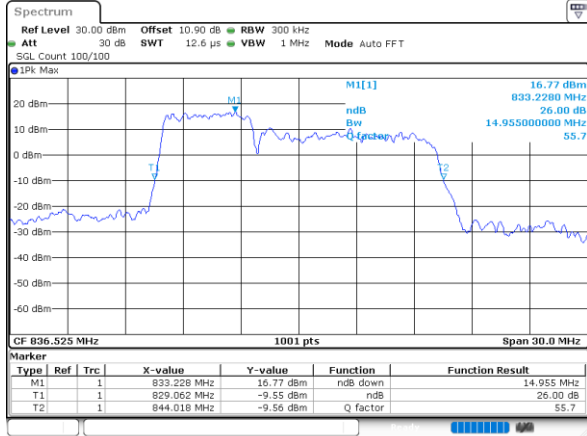
Mode	LTE Band 5B : 26dB BW(MHz)		
256QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	-	-	14.54
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.78	19.66	-



LTE Band 5B

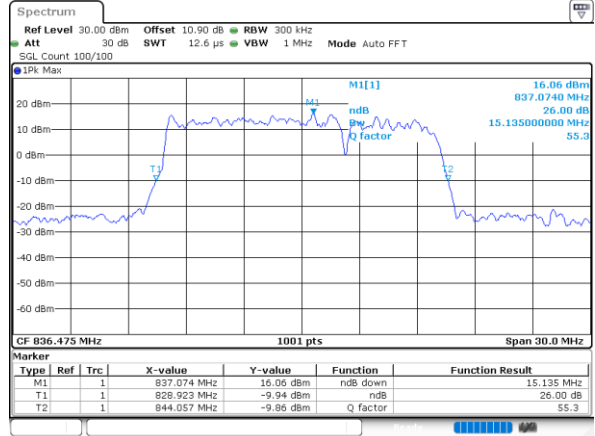
QPSK

Middle Channel / 5MHz+10MHz



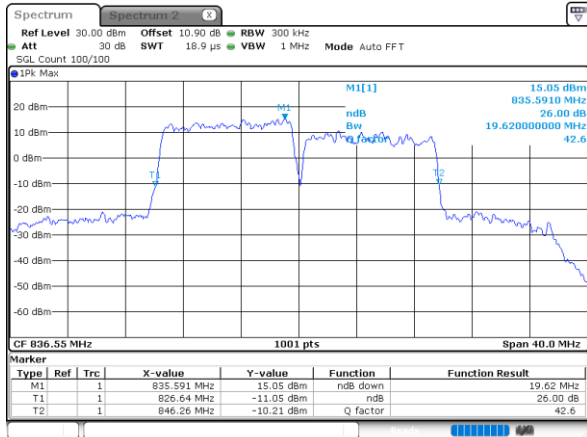
Date: 15.NOV.2021 15:20:44

Middle Channel / 10MHz+5MHz



Date: 15.NOV.2021 17:12:53

Middle Channel / 10MHz+10MHz



Date: 15.NOV.2021 14:10:46

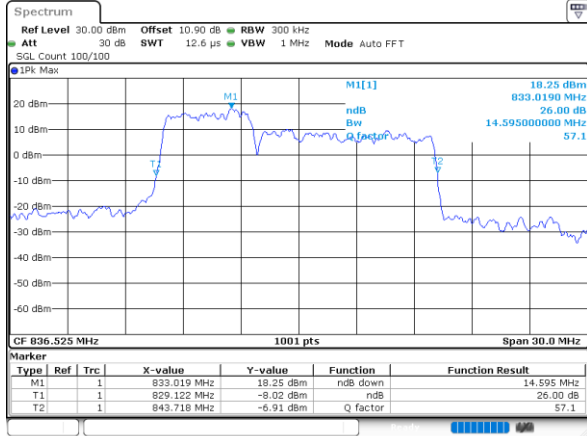
N/A



LTE Band 5B

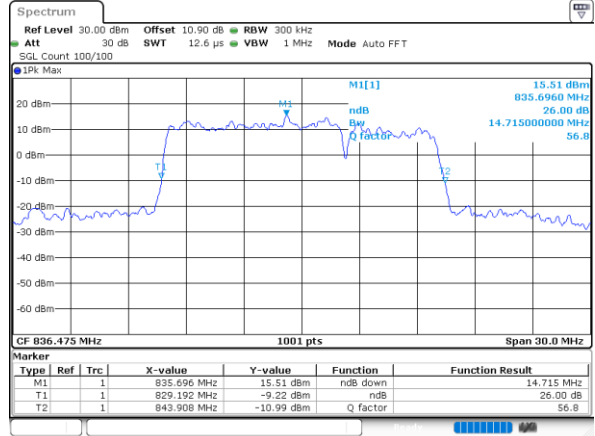
16QAM

Middle Channel / 5MHz+10MHz



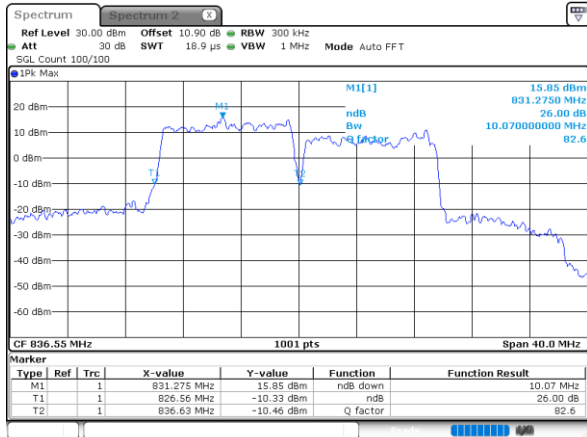
Date: 15.NOV.2021 15:20:16

Middle Channel / 10MHz+5MHz



Date: 15.NOV.2021 17:12:25

Middle Channel / 10MHz+10MHz



Date: 15.NOV.2021 14:10:18

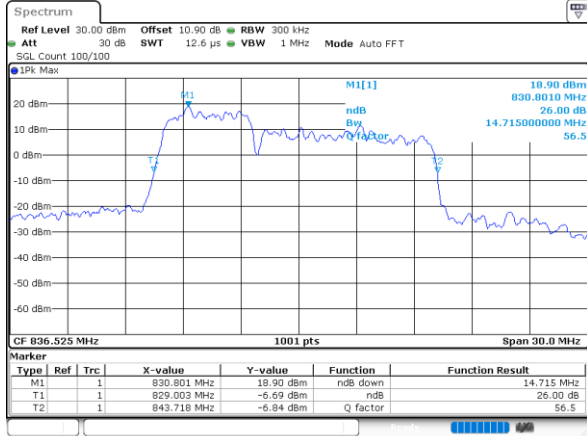
N/A



LTE Band 5B

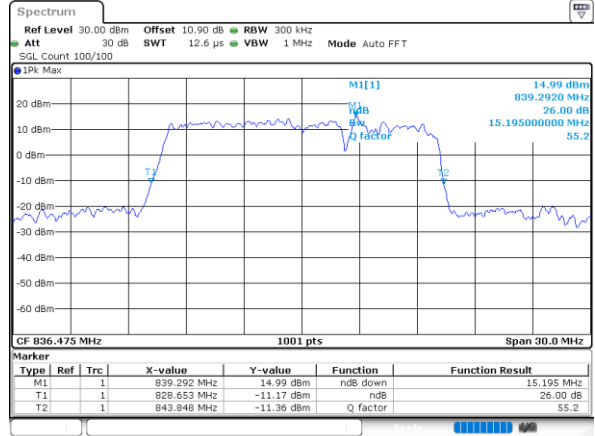
64QAM

Middle Channel / 5MHz+10MHz



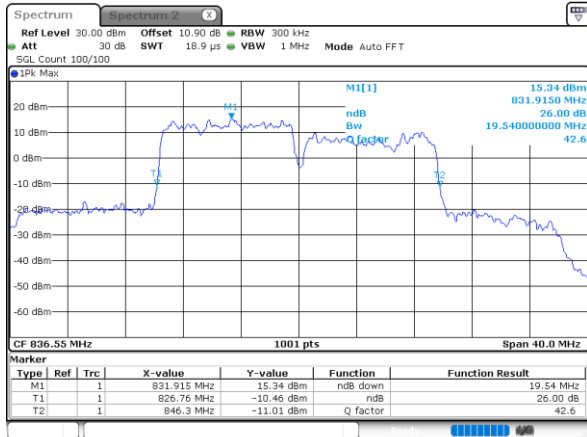
Date: 15.NOV.2021 15:19:48

Middle Channel / 10MHz+5MHz



Date: 15.NOV.2021 17:11:57

Middle Channel / 10MHz+10MHz



Date: 15.NOV.2021 14:09:50

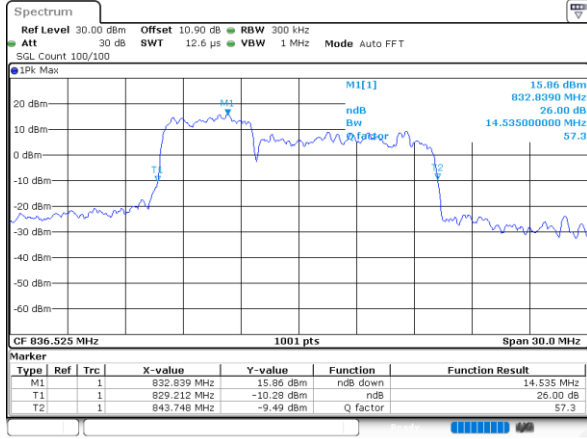
N/A



LTE Band 5B

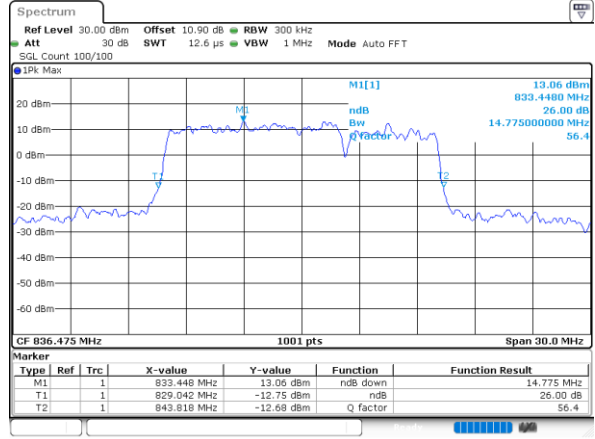
256QAM

Middle Channel / 5MHz+10MHz



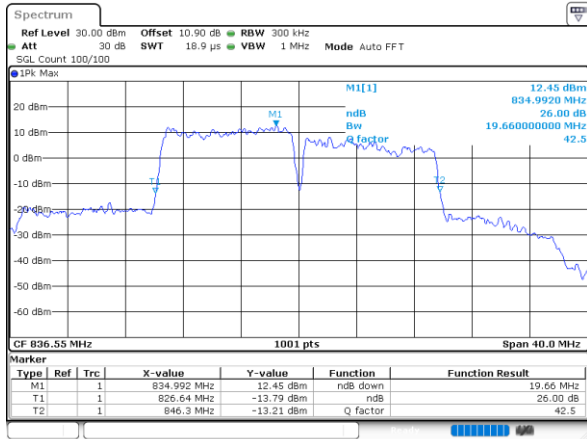
Date: 15.NOV.2021 15:23:11

Middle Channel / 10MHz+5MHz



Date: 15.NOV.2021 17:15:14

Middle Channel / 10MHz+10MHz



Date: 15.NOV.2021 14:13:35

N/A



**Occupied Bandwidth**

Mode	LTE Band 5B : 99%OBW(MHz)		
QPSK			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	-	-	13.64
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.88	18.74	-

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	13.88	18.62	-

Mode	LTE Band 5B : 99%OBW(MHz)		
64QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	-	-	13.64
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.76	18.74	-

Mode	LTE Band 5B : 99%OBW(MHz)		
254QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	-	-	13.73
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.91	18.66	-

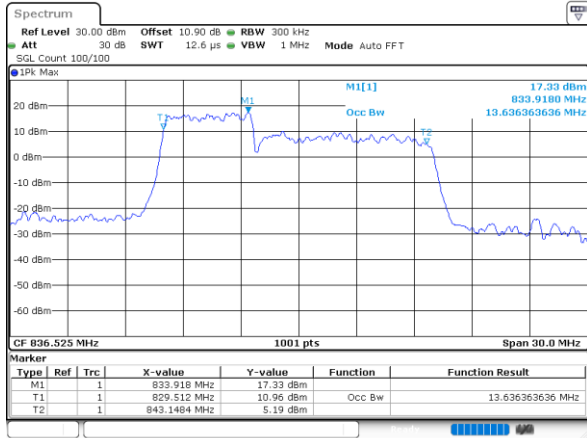




LTE Band 5B

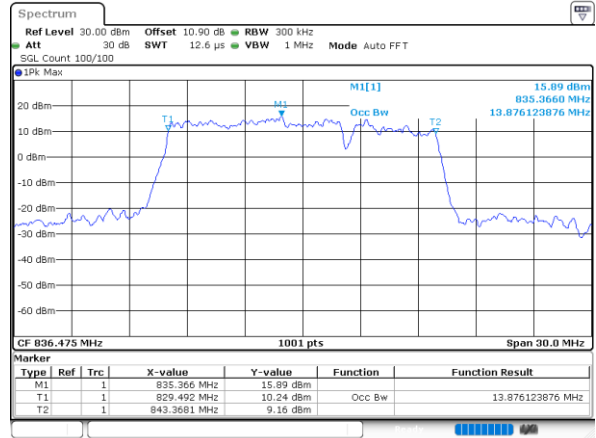
QPSK

Middle Channel / 5MHz+10MHz



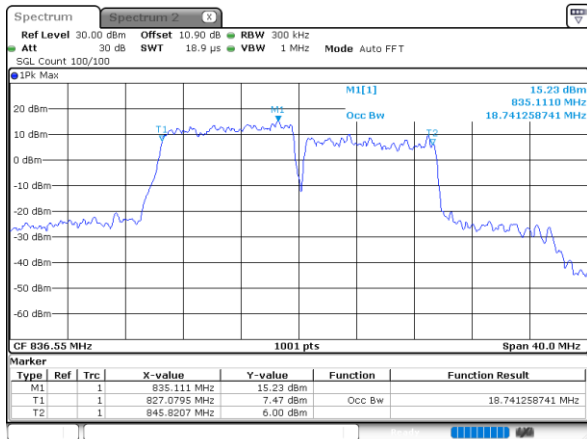
Date: 15.NOV.2021 15:18:26

Middle Channel / 10MHz+5MHz



Date: 15.NOV.2021 17:10:35

Middle Channel / 10MHz+10MHz



Date: 15.NOV.2021 14:08:27

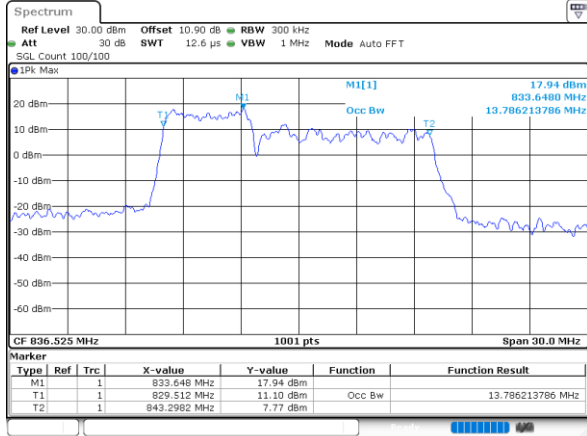
N/A



LTE Band 5B

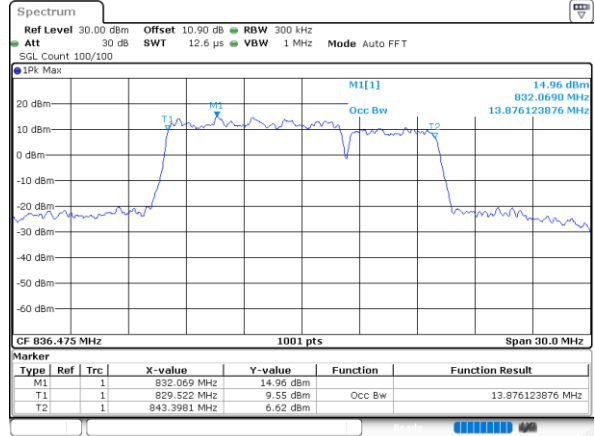
16QAM

Middle Channel / 5MHz+10MHz



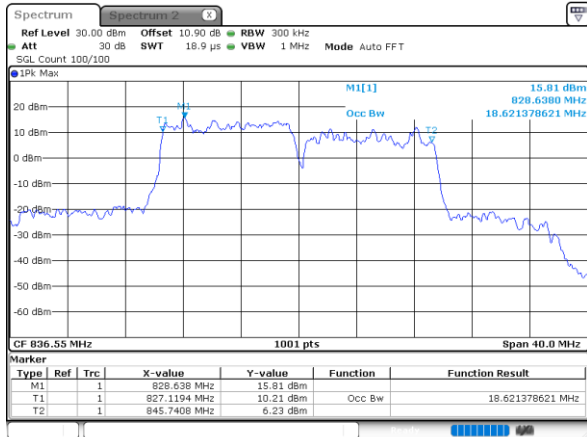
Date: 15.NOV.2021 15:18:53

Middle Channel / 10MHz+5MHz



Date: 15.NOV.2021 17:11:03

Middle Channel / 10MHz+10MHz



Date: 15.NOV.2021 14:08:55

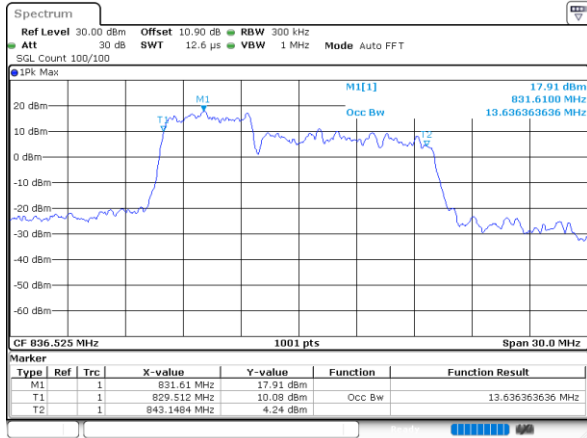
N/A



LTE Band 5B

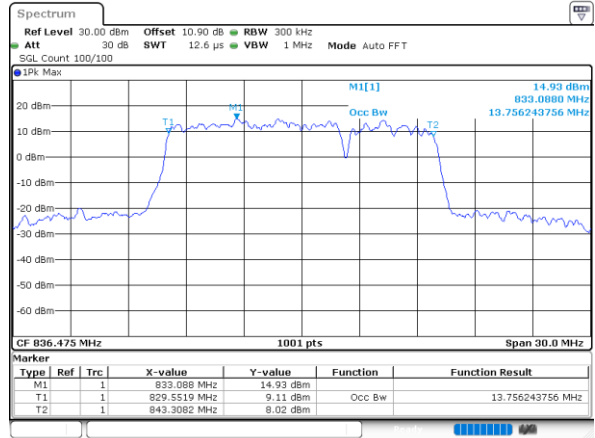
64QAM

Middle Channel / 5MHz+10MHz



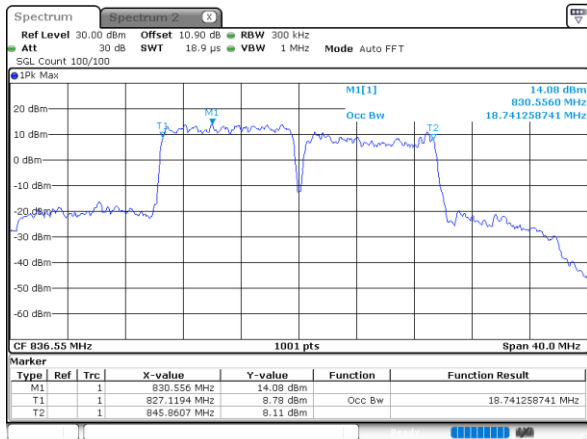
Date: 15.NOV.2021 15:19:21

Middle Channel / 10MHz+5MHz



Date: 15.NOV.2021 17:11:10

Middle Channel / 10MHz+10MHz



Date: 15.NOV.2021 14:09:23

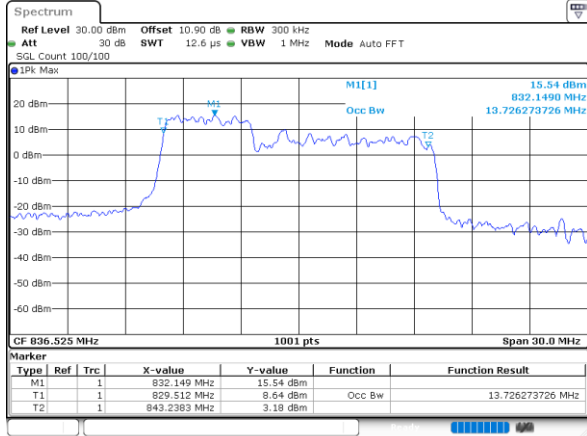
N/A



LTE Band 5B

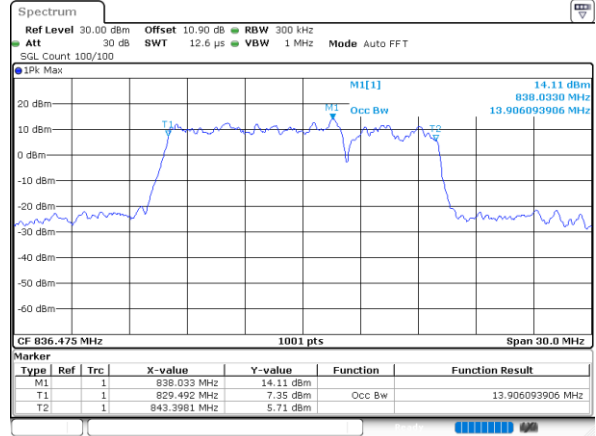
256QAM

Middle Channel / 5MHz+10MHz



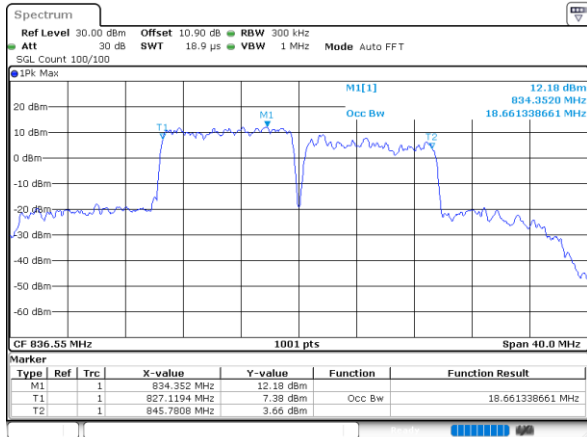
Date: 15.NOV.2021 15:22:38

Middle Channel / 10MHz+5MHz



Date: 15.NOV.2021 17:14:47

Middle Channel / 10MHz+10MHz



Date: 15.NOV.2021 14:13:08

N/A



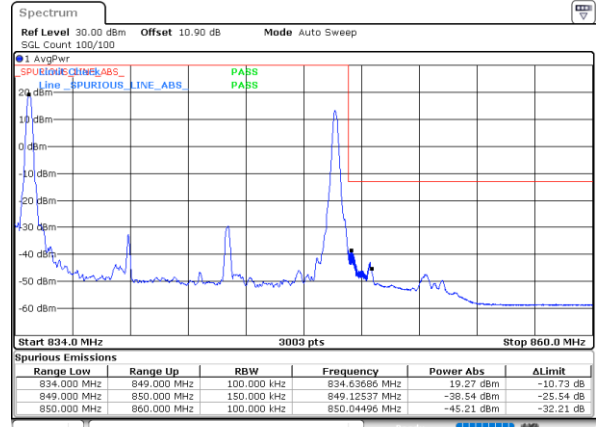
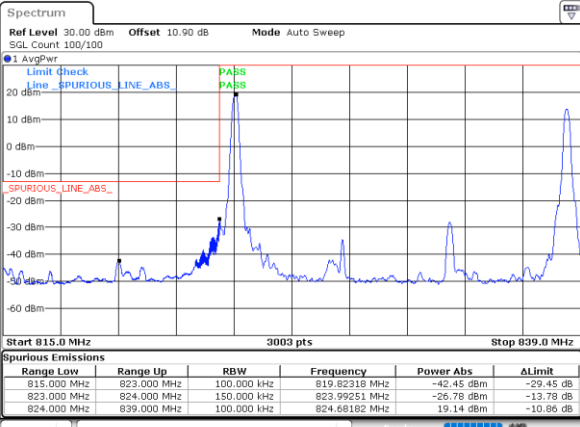
# Conducted Band Edge

## LTE Band 5B / 5MHz+10MHz

### QPSK

#### Lowest Band Edge / 1RB0 and 1RB49

#### Highest Band Edge / 1RB0 and 1RB49

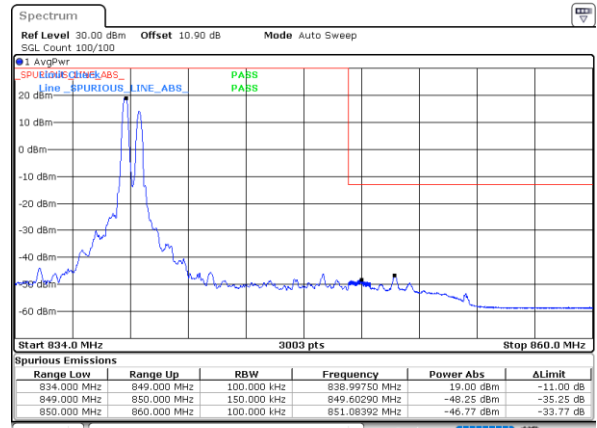
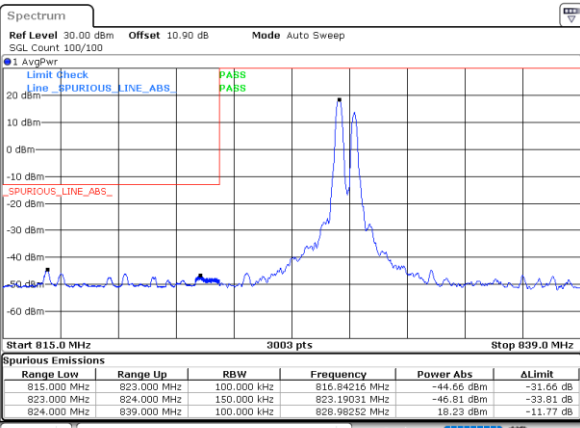


Date: 15.NOV.2021 15:35:46

Date: 15.NOV.2021 15:58:57

#### Lowest Band Edge / 1RB24 and 1RB0

#### Highest Band Edge / 1RB24 and 1RB0

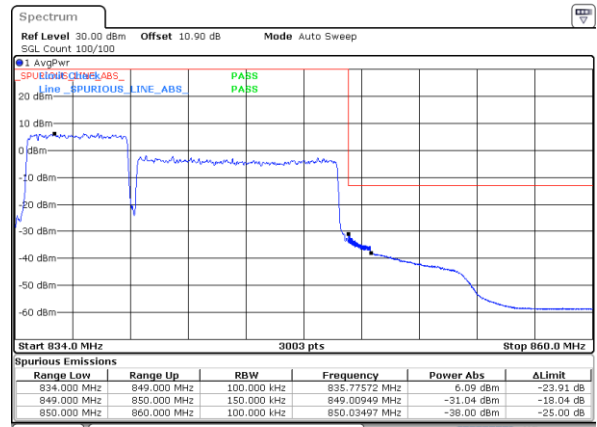
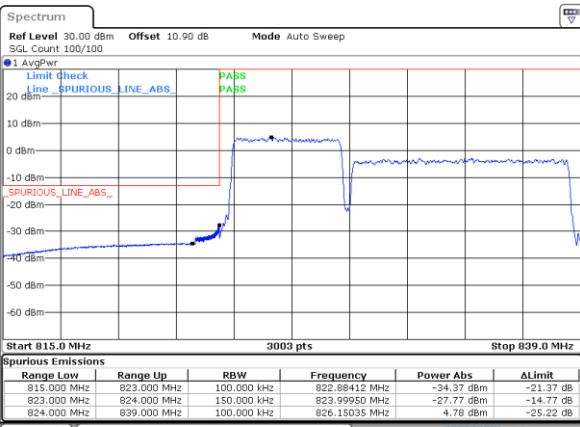


Date: 15.NOV.2021 15:37:43

Date: 15.NOV.2021 16:08:43

#### Lowest Band Edge / Full RB

#### Highest Band Edge / Full RB



Date: 15.NOV.2021 15:25:58

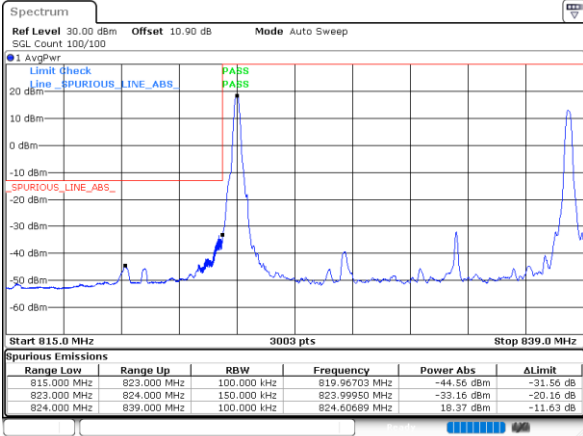
Date: 15.NOV.2021 15:56:59



LTE Band 5B / 10MHz+5MHz

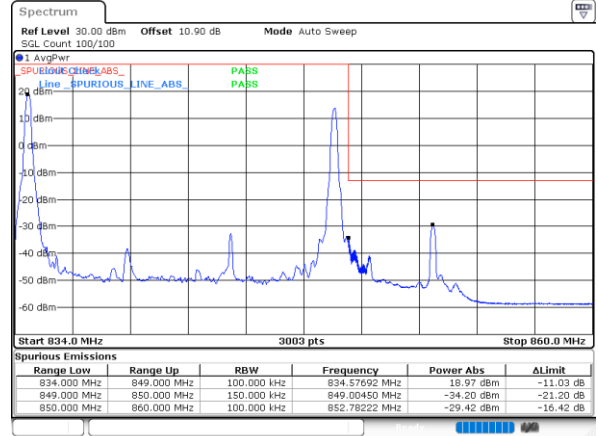
QPSK

Lowest Band Edge / 1RB0 and 1RB24



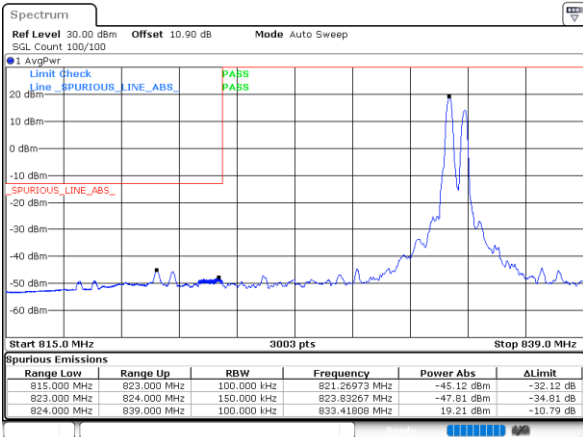
Date: 15.NOV.2021 16:52:44

Highest Band Edge / 1RB0 and 1RB24



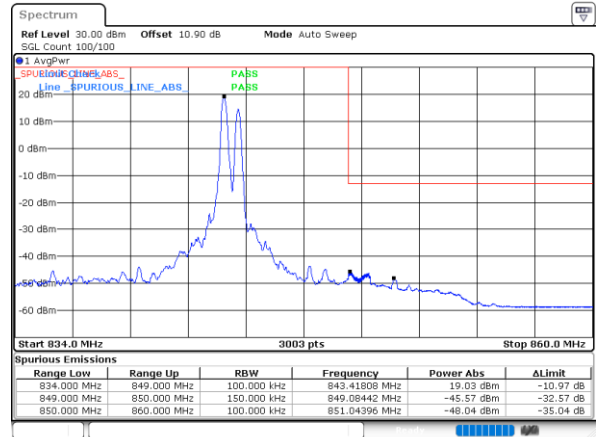
Date: 15.NOV.2021 17:24:31

Lowest Band Edge / 1RB49 and 1RB0



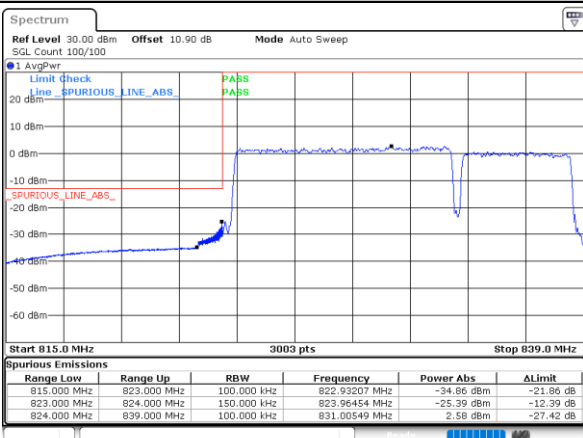
Date: 15.NOV.2021 16:54:42

Highest Band Edge / 1RB49 and 1RB0



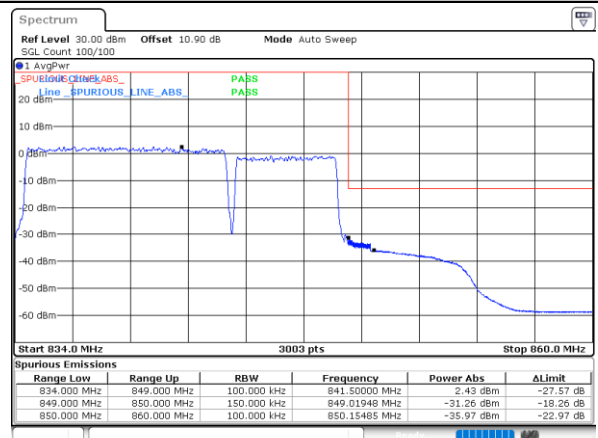
Date: 15.NOV.2021 17:34:16

Lowest Band Edge / Full RB



Date: 15.NOV.2021 16:42:56

Highest Band Edge / Full RB



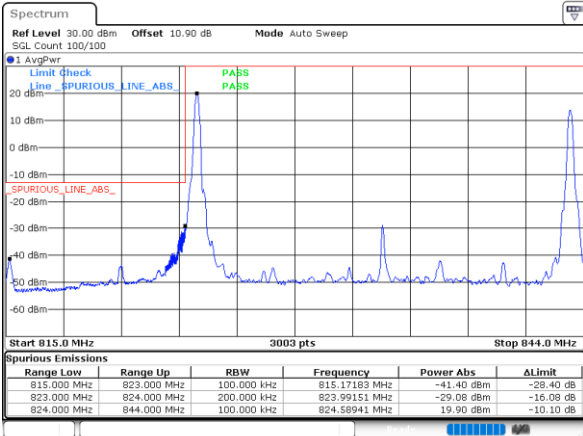
Date: 15.NOV.2021 17:22:33



LTE Band 5B / 10MHz+10MHz

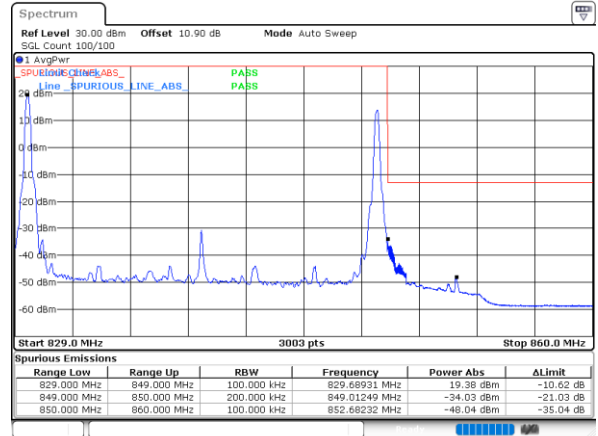
QPSK

Lowest Band Edge / 1RB0 and 1RB49



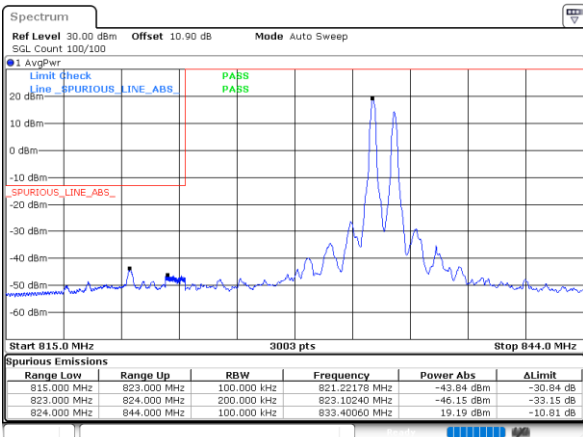
Date: 15.NOV.2021 14:25:58

Highest Band Edge / 1RB0 and 1RB49



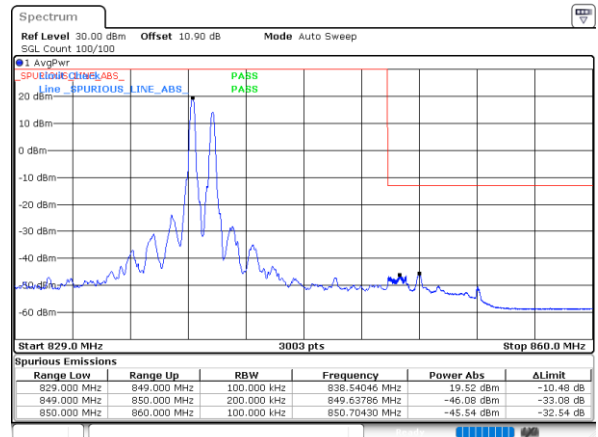
Date: 15.NOV.2021 14:59:58

Lowest Band Edge / 1RB49 and 1RB0



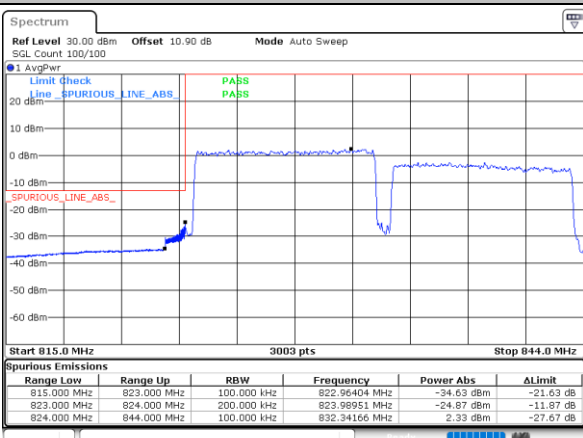
Date: 15.NOV.2021 14:27:55

Highest Band Edge / 1RB49 and 1RB0



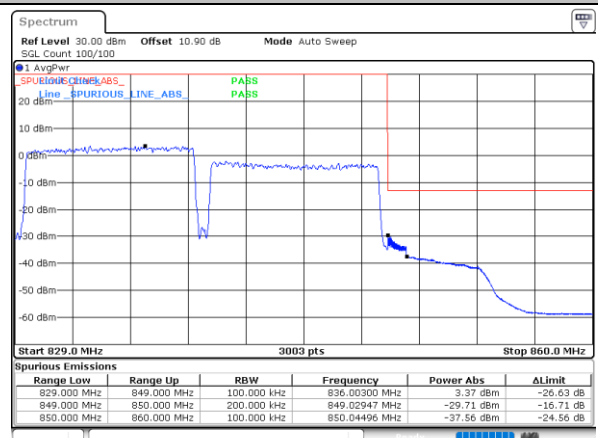
Date: 15.NOV.2021 15:09:44

Lowest Band Edge / Full RB



Date: 15.NOV.2021 14:16:09

Highest Band Edge / Full RB



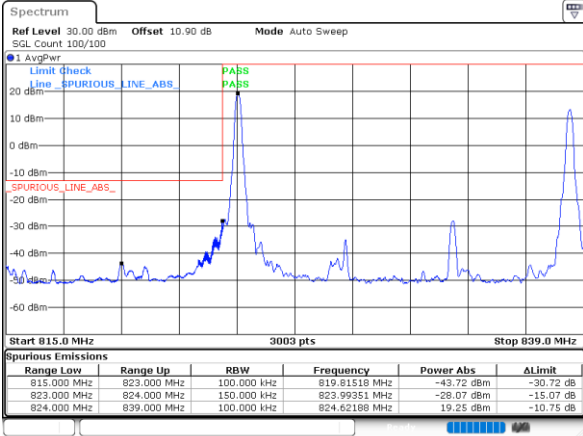
Date: 15.NOV.2021 14:58:00



LTE Band 5B / 5MHz+10MHz

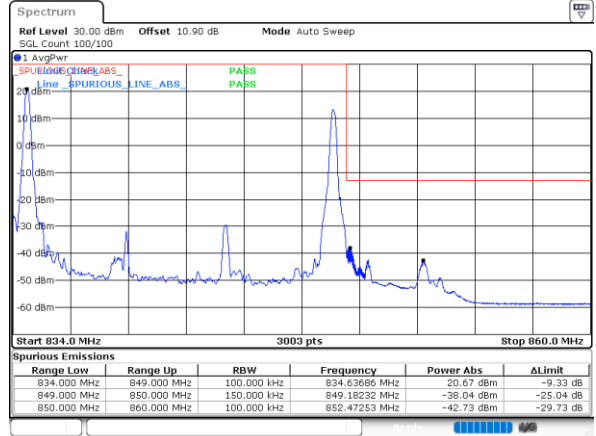
16QAM

Lowest Band Edge / 1RB0 and 1RB49



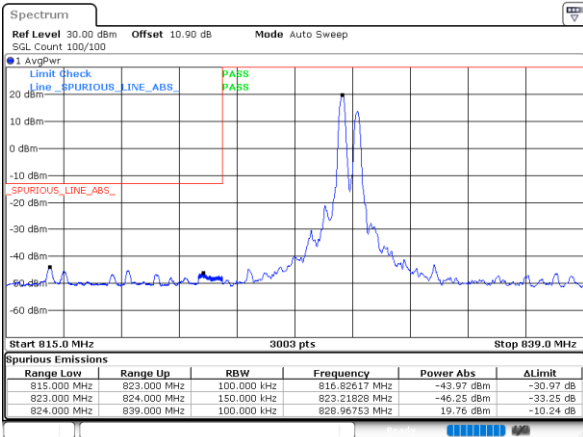
Date: 15.NOV.2021 15:33:48

Highest Band Edge / 1RB0 and 1RB49



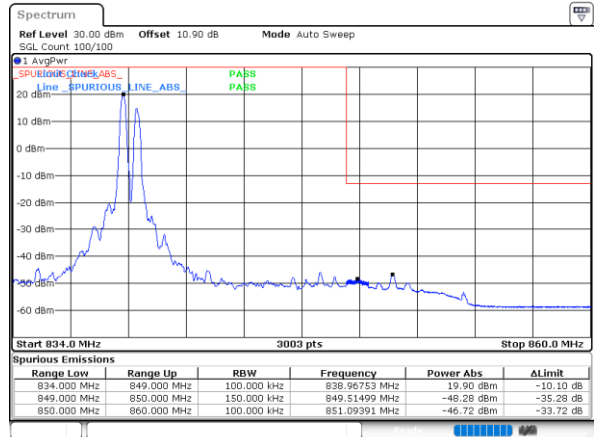
Date: 15.NOV.2021 16:00:54

Lowest Band Edge / 1RB24 and 1RB0



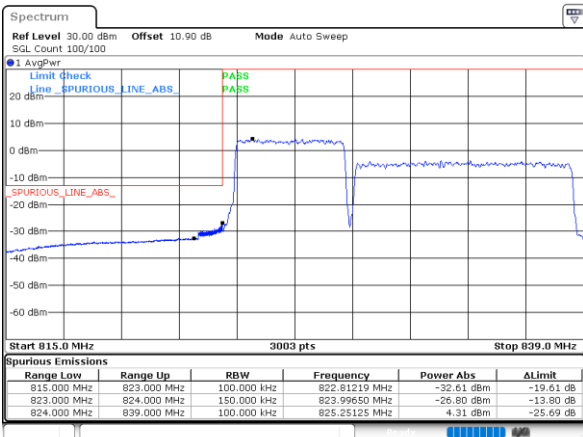
Date: 15.NOV.2021 15:39:40

Highest Band Edge / 1RB24 and 1RB0



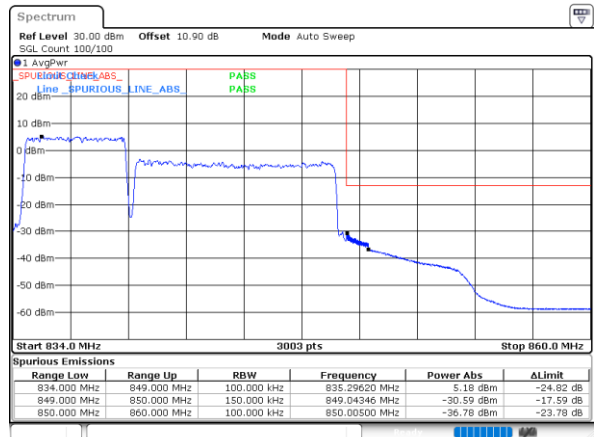
Date: 15.NOV.2021 16:06:46

Lowest Band Edge / Full RB



Date: 15.NOV.2021 15:27:55

Highest Band Edge / Full RB



Date: 15.NOV.2021 15:55:02

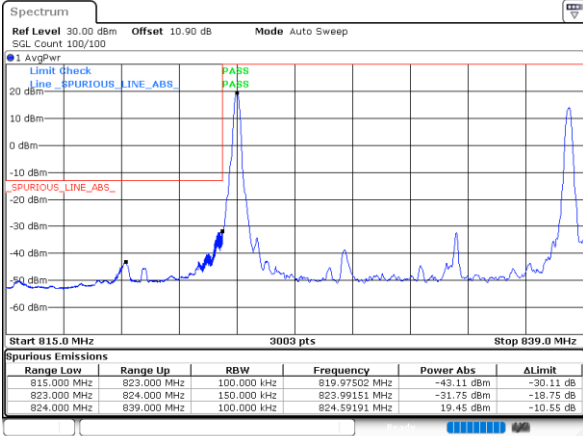




LTE Band 5B / 10MHz+5MHz

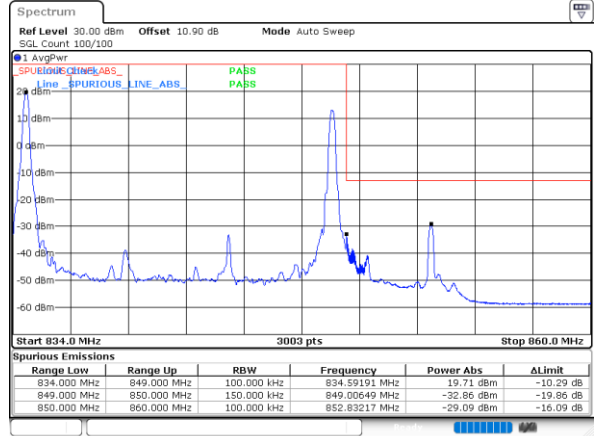
16QAM

Lowest Band Edge / 1RB0 and 1RB24



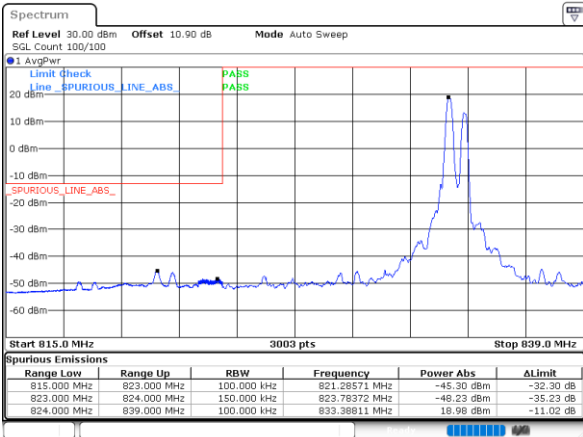
Date: 15.NOV.2021 16:50:47

Highest Band Edge / 1RB0 and 1RB24



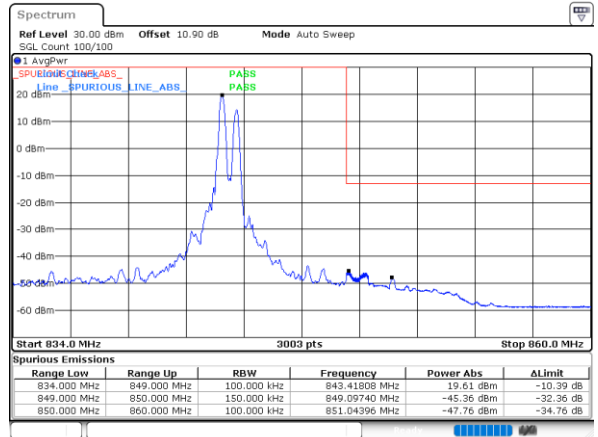
Date: 15.NOV.2021 17:12:28

Lowest Band Edge / 1RB49 and 1RB0



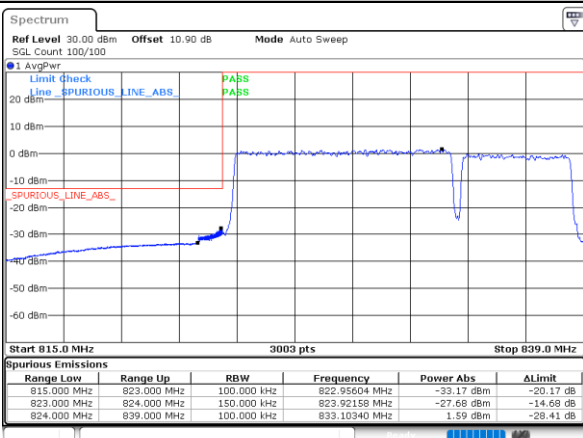
Date: 15.NOV.2021 16:56:39

Highest Band Edge / 1RB49 and 1RB0



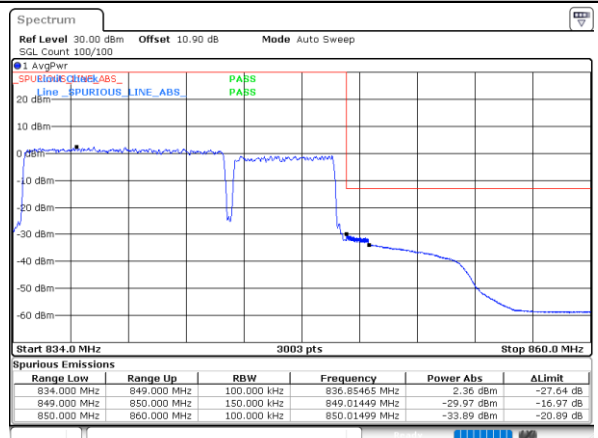
Date: 15.NOV.2021 17:12:19

Lowest Band Edge / Full RB



Date: 15.NOV.2021 16:44:54

Highest Band Edge / Full RB



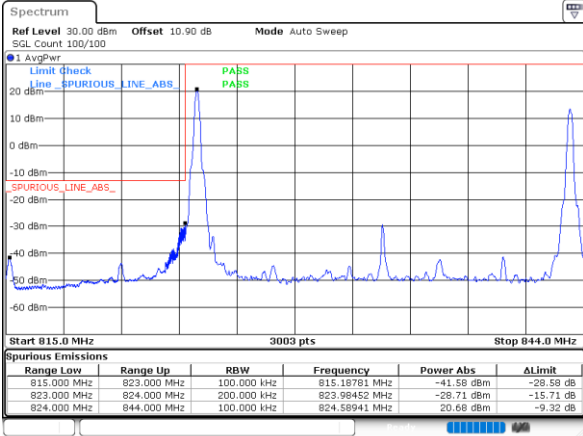
Date: 15.NOV.2021 17:20:36



LTE Band 5B / 10MHz+10MHz

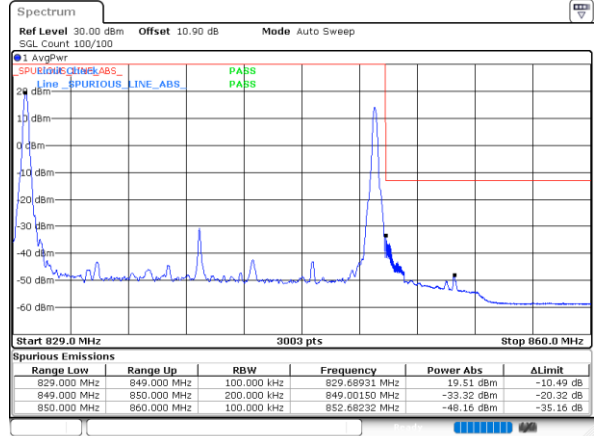
16QAM

Lowest Band Edge / 1RB0 and 1RB49



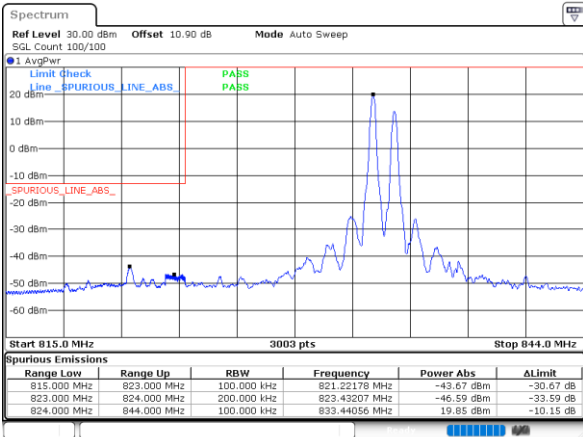
Date: 15.NOV.2021 14:24:00

Highest Band Edge / 1RB0 and 1RB49



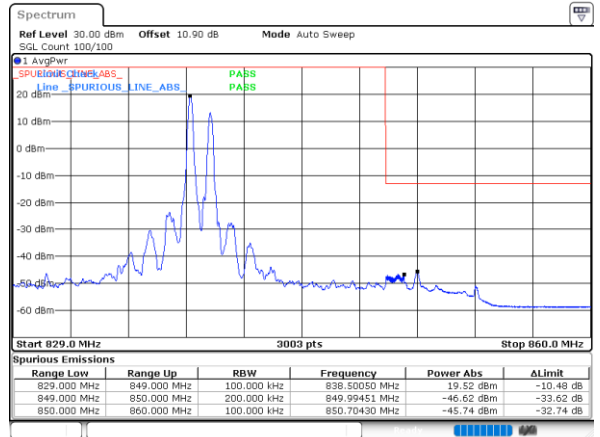
Date: 15.NOV.2021 15:01:55

Lowest Band Edge / 1RB49 and 1RB0



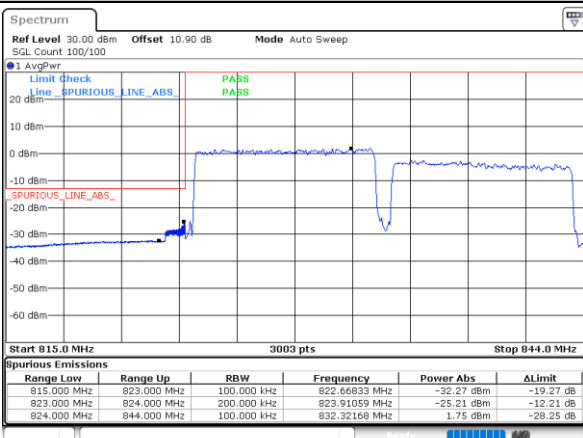
Date: 15.NOV.2021 14:29:53

Highest Band Edge / 1RB49 and 1RB0



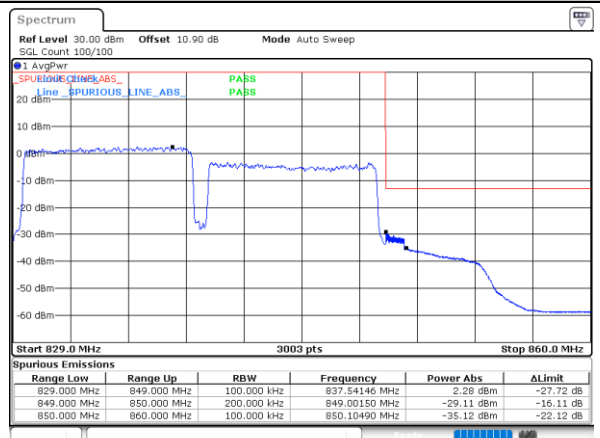
Date: 15.NOV.2021 15:07:47

Lowest Band Edge / Full RB



Date: 15.NOV.2021 14:18:07

Highest Band Edge / Full RB



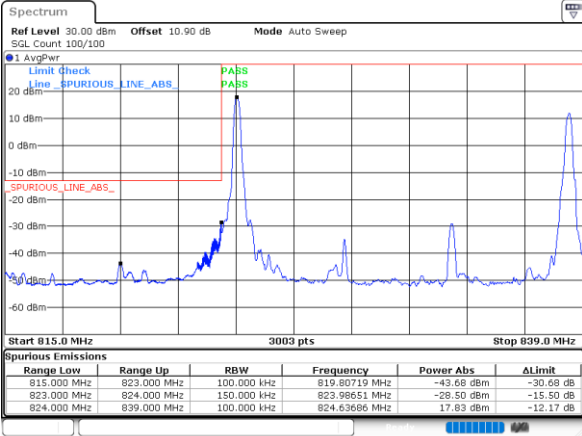
Date: 15.NOV.2021 14:56:03



LTE Band 5B / 5MHz+10MHz

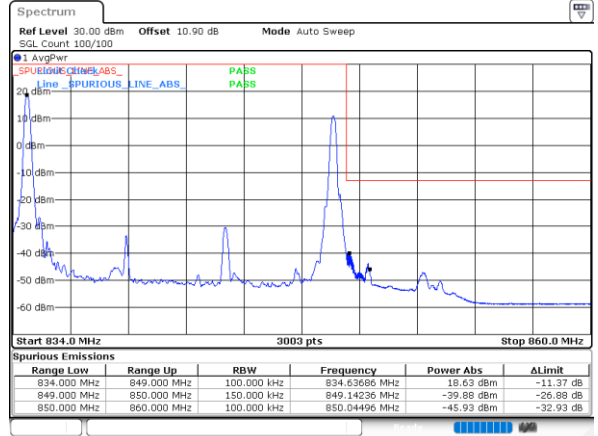
64QAM

Lowest Band Edge / 1RB0 and 1RB49



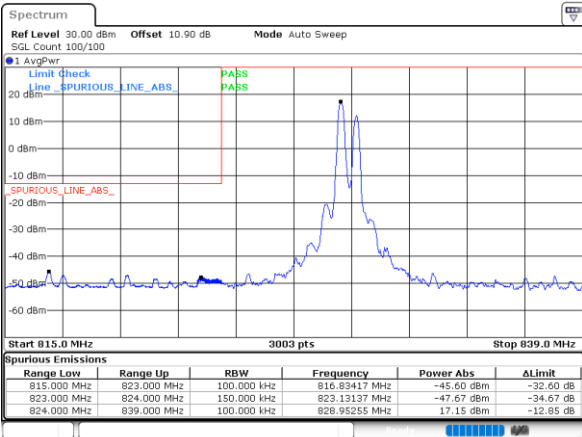
Date: 15.NOV.2021 15:31:51

Highest Band Edge / 1RB0 and 1RB49



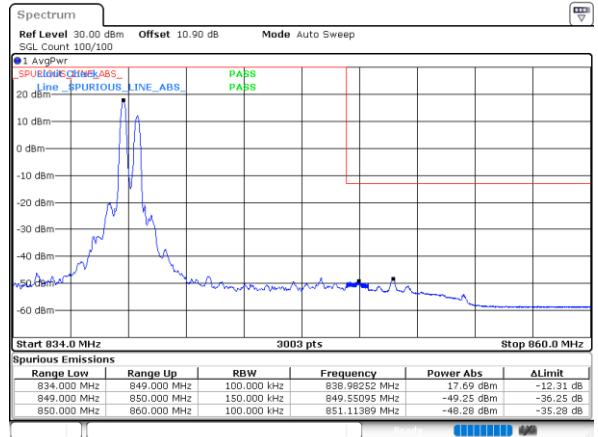
Date: 15.NOV.2021 16:02:51

Lowest Band Edge / 1RB24 and 1RB0



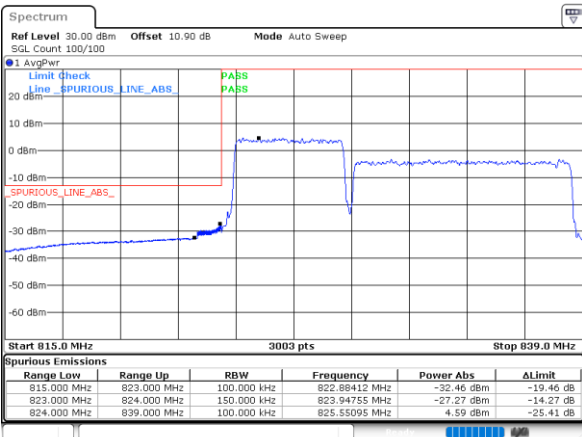
Date: 15.NOV.2021 15:41:38

Highest Band Edge / 1RB24 and 1RB0



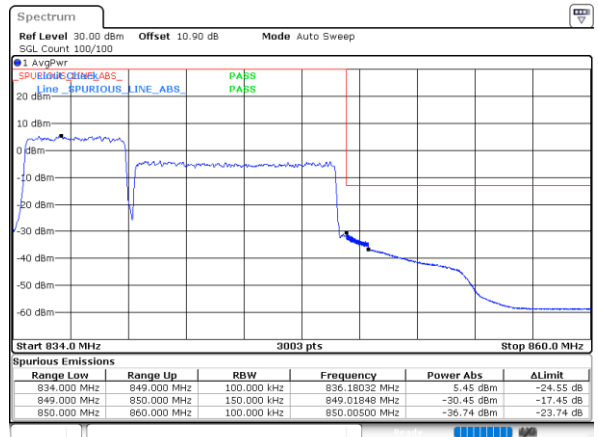
Date: 15.NOV.2021 16:04:49

Lowest Band Edge / Full RB



Date: 15.NOV.2021 15:29:53

Highest Band Edge / Full RB



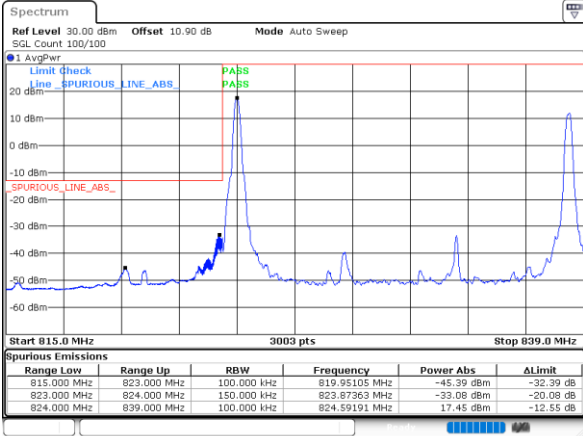
Date: 15.NOV.2021 15:53:05



LTE Band 5B / 10MHz+5MHz

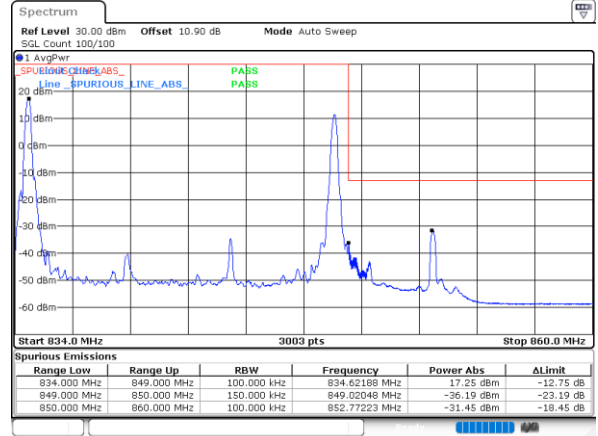
64QAM

Lowest Band Edge / 1RB0 and 1RB24



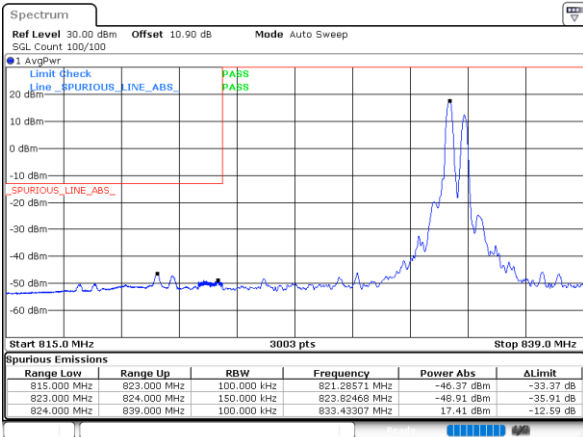
Date: 15.NOV.2021 16:48:49

Highest Band Edge / 1RB0 and 1RB24



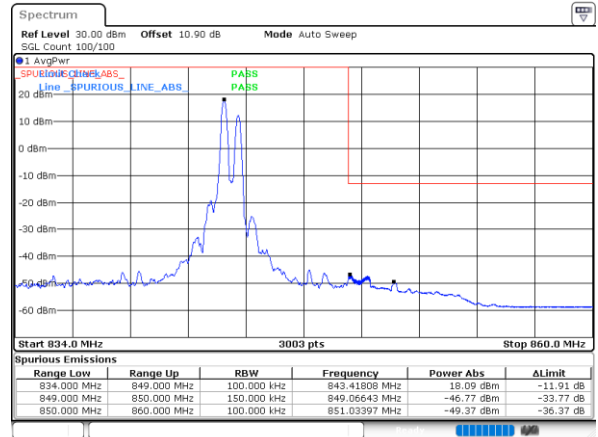
Date: 15.NOV.2021 17:28:25

Lowest Band Edge / 1RB49 and 1RB0



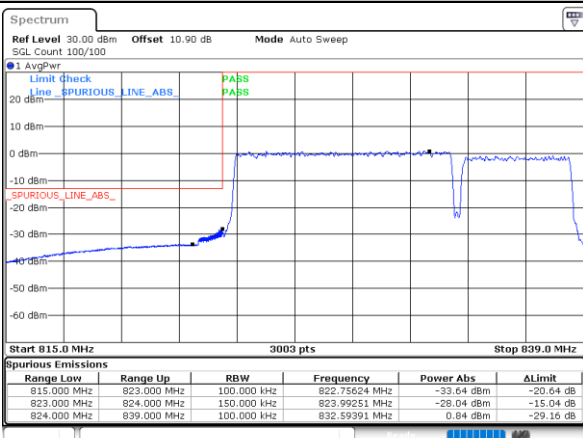
Date: 15.NOV.2021 16:58:37

Highest Band Edge / 1RB49 and 1RB0



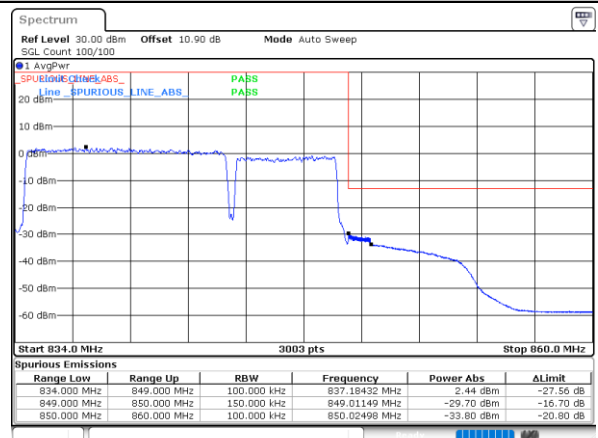
Date: 15.NOV.2021 17:30:22

Lowest Band Edge / Full RB



Date: 15.NOV.2021 16:46:51

Highest Band Edge / Full RB



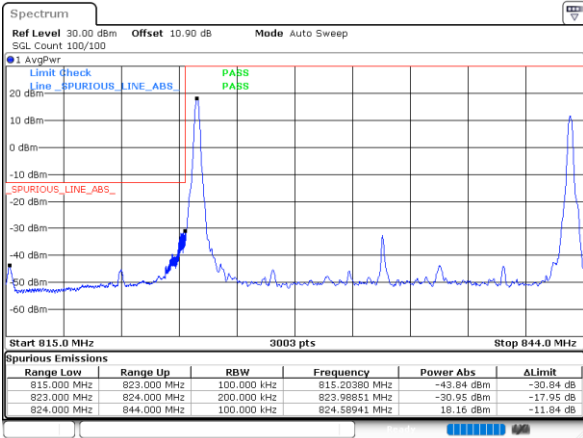
Date: 15.NOV.2021 17:18:39



LTE Band 5B / 10MHz+10MHz

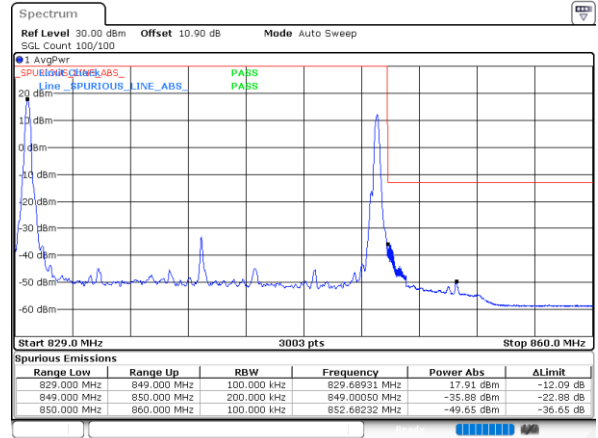
64QAM

Lowest Band Edge / 1RB0 and 1RB49



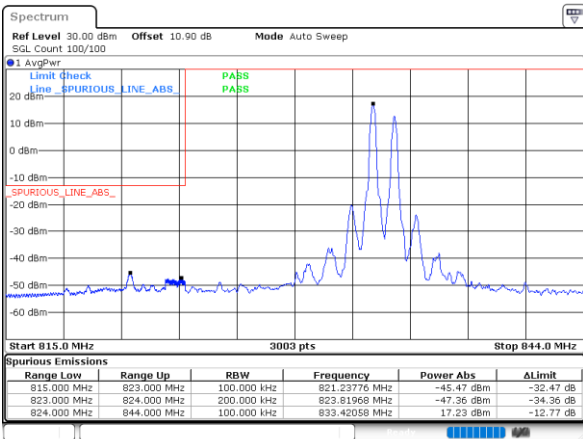
Date: 15.NOV.2021 14:22:02

Highest Band Edge / 1RB0 and 1RB49



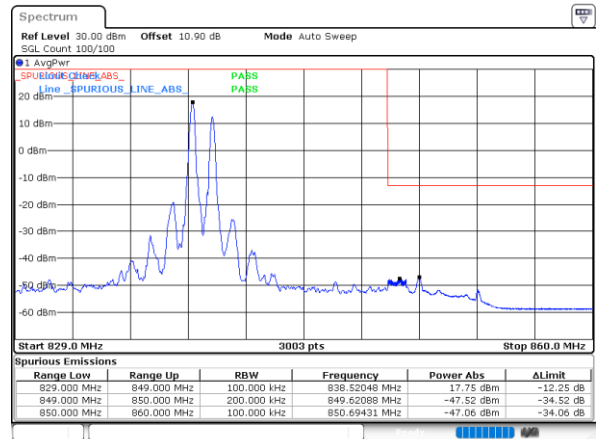
Date: 15.NOV.2021 15:03:52

Lowest Band Edge / 1RB49 and 1RB0



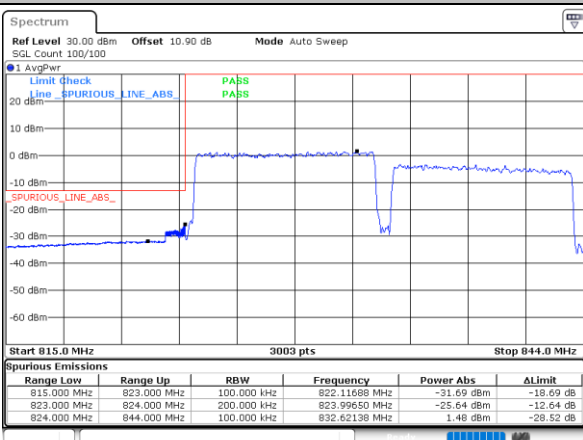
Date: 15.NOV.2021 14:31:50

Highest Band Edge / 1RB49 and 1RB0



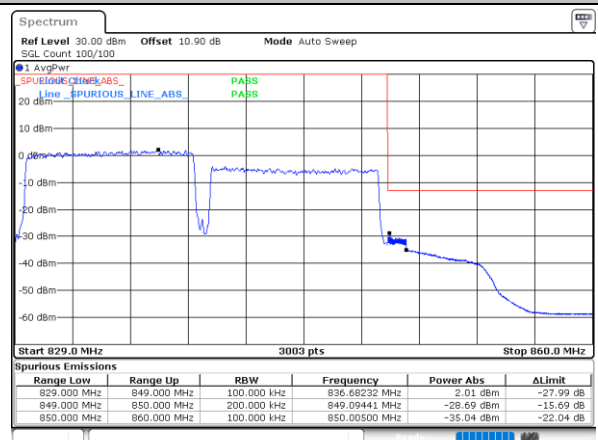
Date: 15.NOV.2021 15:05:50

Lowest Band Edge / Full RB



Date: 15.NOV.2021 14:20:04

Highest Band Edge / Full RB



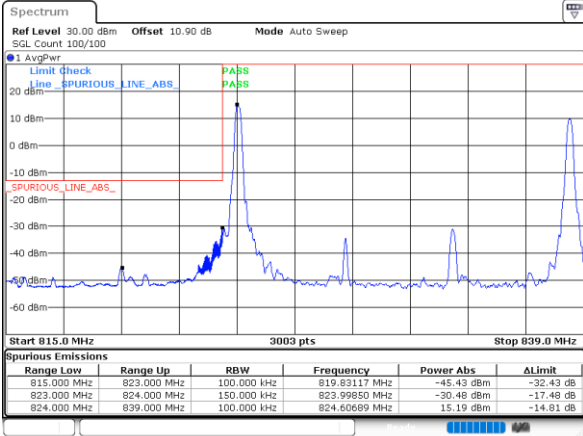
Date: 15.NOV.2021 14:54:06



LTE Band 5B / 5MHz+10MHz

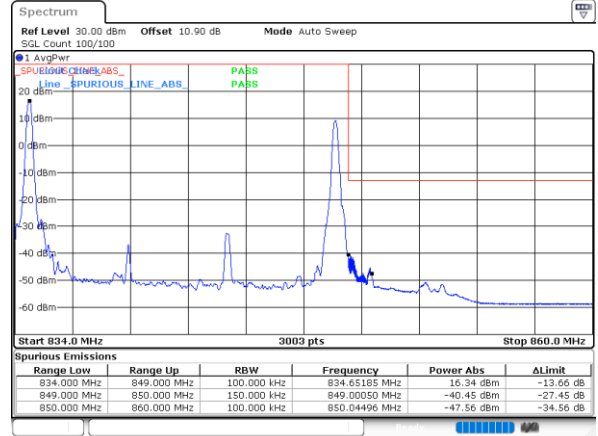
256QAM

Lowest Band Edge / 1RB0 and 1RB49



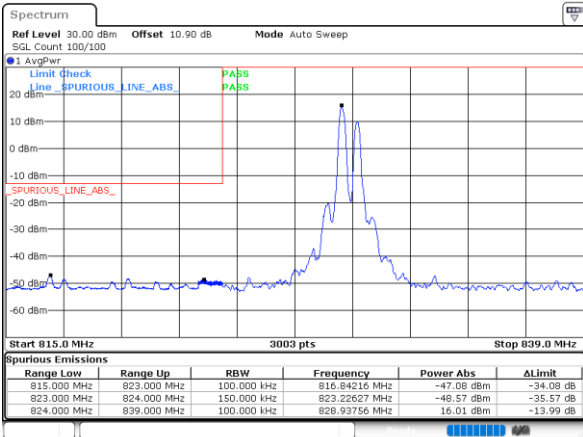
Date: 15.NOV.2021 15:46:59

Highest Band Edge / 1RB0 and 1RB49



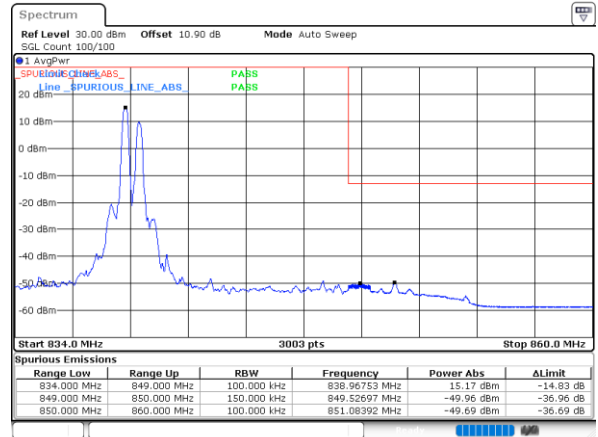
Date: 15.NOV.2021 16:14:03

Lowest Band Edge / 1RB24 and 1RB0



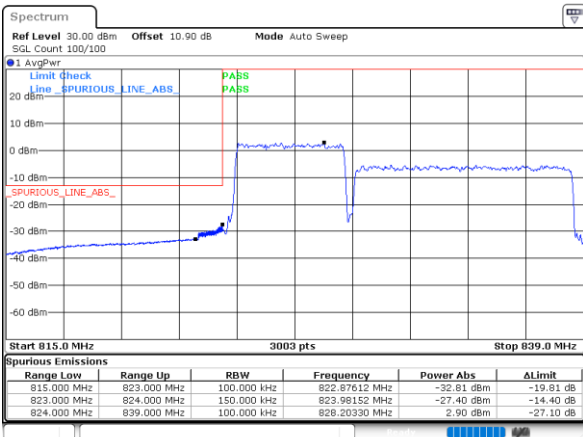
Date: 15.NOV.2021 15:50:36

Highest Band Edge / 1RB24 and 1RB0



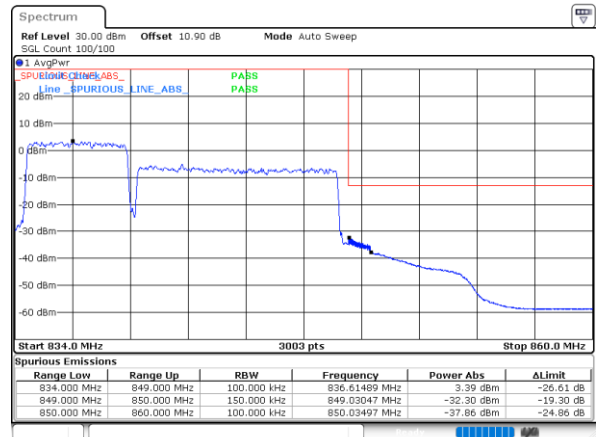
Date: 15.NOV.2021 16:16:00

Lowest Band Edge / Full RB



Date: 15.NOV.2021 15:45:01

Highest Band Edge / Full RB



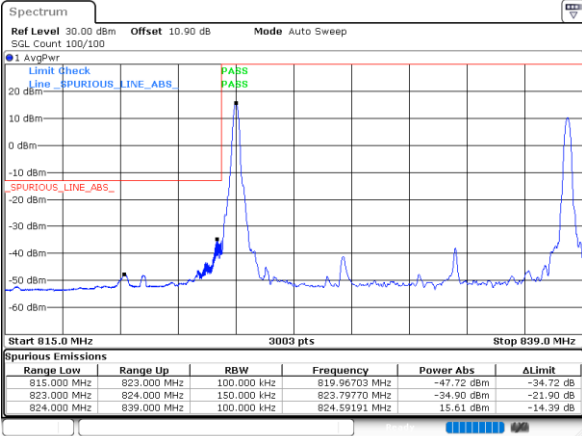
Date: 15.NOV.2021 16:12:05



LTE Band 5B / 10MHz+5MHz

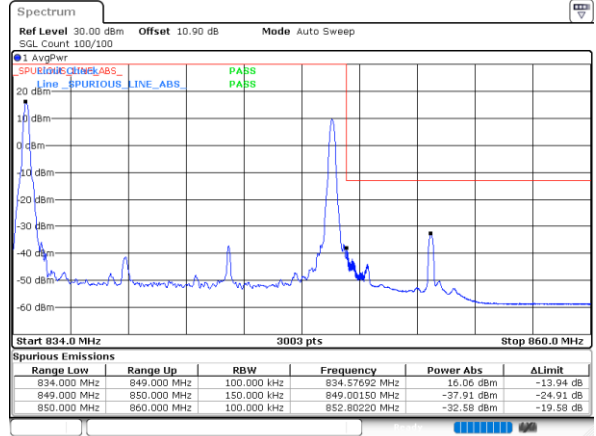
256QAM

Lowest Band Edge / 1RB0 and 1RB24



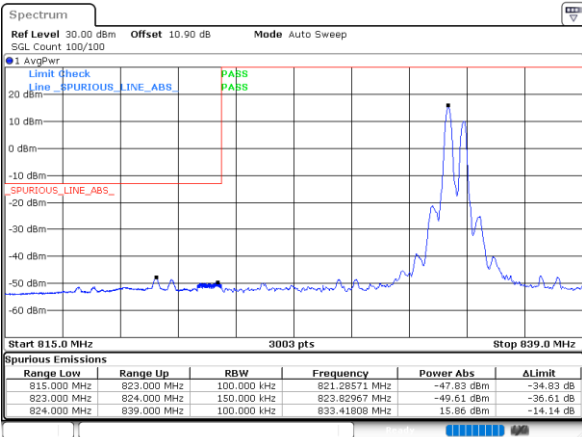
Date: 15.NOV.2021 17:03:58

Highest Band Edge / 1RB0 and 1RB24



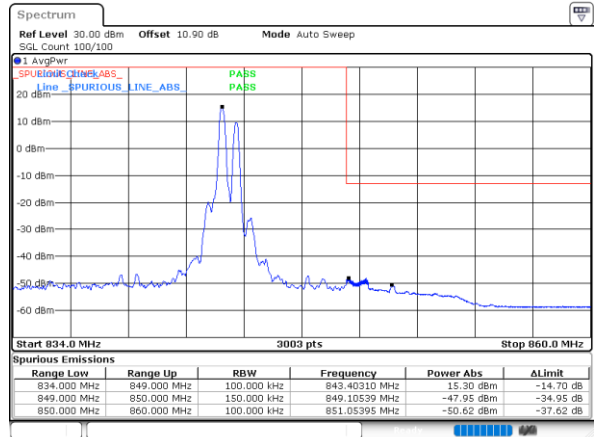
Date: 15.NOV.2021 17:19:36

Lowest Band Edge / 1RB49 and 1RB0



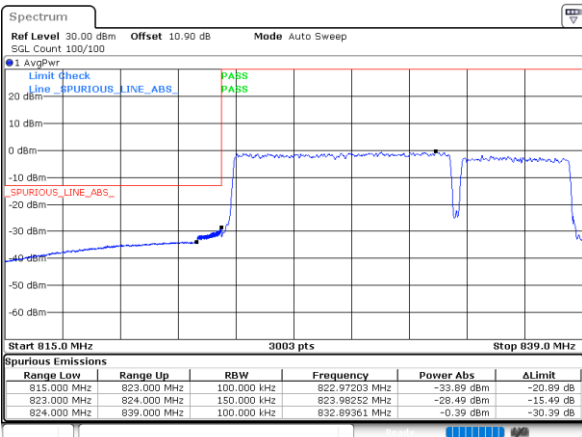
Date: 15.NOV.2021 17:05:55

Highest Band Edge / 1RB49 and 1RB0



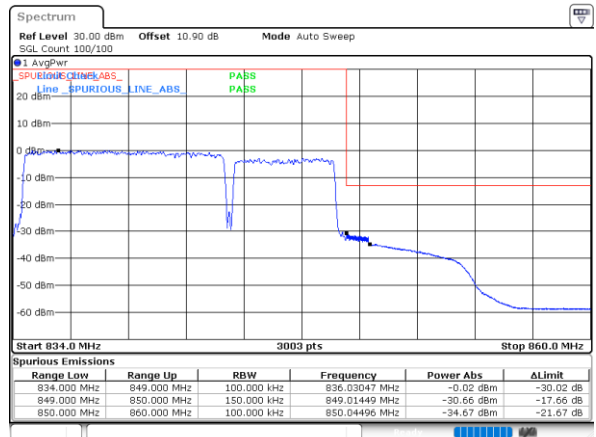
Date: 15.NOV.2021 17:41:33

Lowest Band Edge / Full RB



Date: 15.NOV.2021 17:02:00

Highest Band Edge / Full RB



Date: 15.NOV.2021 17:13:38