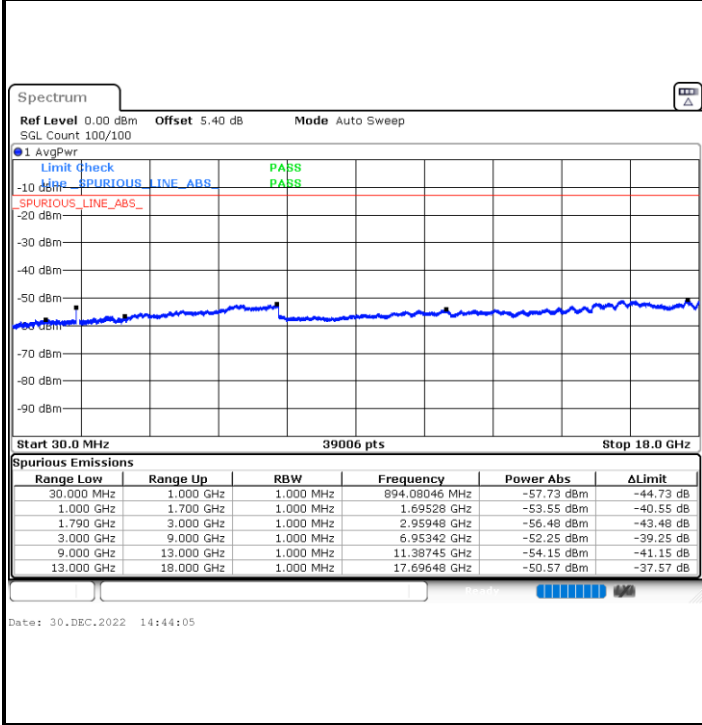


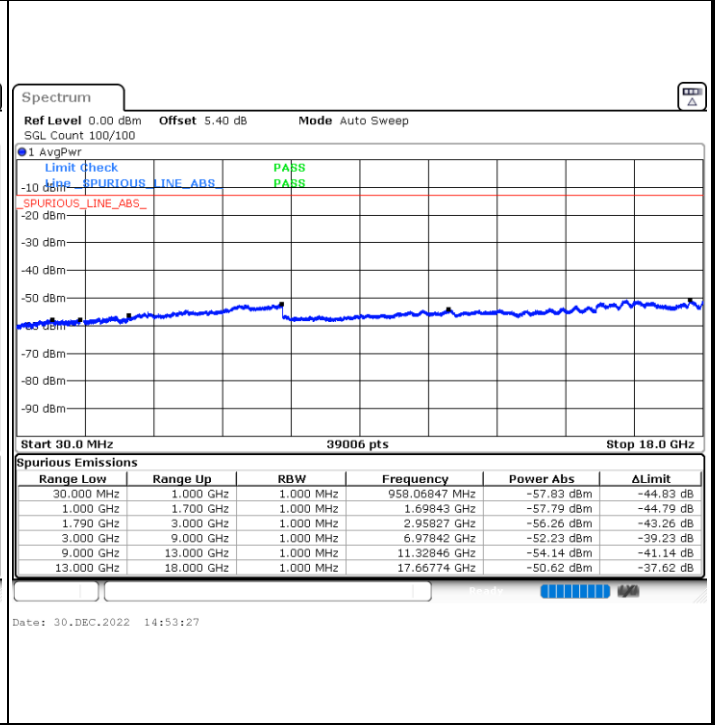


**LTE Band 66 / 20MHz**

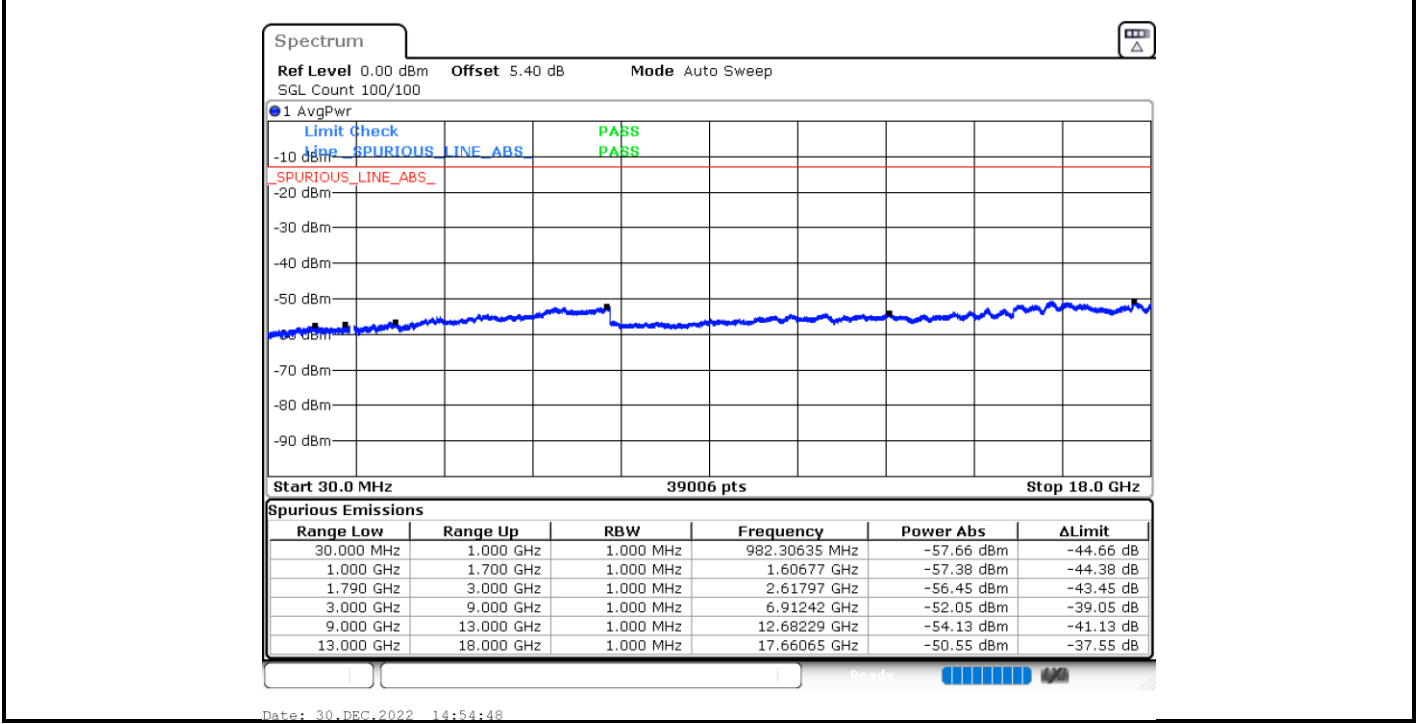
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



**Highest Channel / QPSK**





Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0014	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0032	
0	Normal Voltage	0.0025	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0004	
20	Battery End Point	0.0027	

Note:

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 5B

## 26dB Bandwidth

Mode	LTE Band 5B : 26dB BW(MHz)	
Mod.	QPSK	16QAM
BW	3MHz+5MHz	
Middle CH	8.15	8.2
Mod.	QPSK	16QAM
BW	5MHz+3MHz	
Middle CH	8.2	8.14
Mod.	QPSK	16QAM
BW	5MHz+10MHz	
Middle CH	14.93	14.63
Mod.	QPSK	16QAM
BW	10MHz+5MHz	
Middle CH	14.75	14.84
Mod.	QPSK	16QAM
BW	10MHz+10MHz	
Middle CH	19.7	20.02



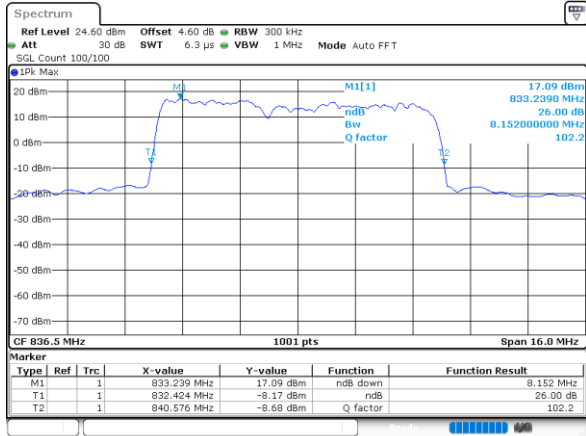
LTE Band 5B

QPSK

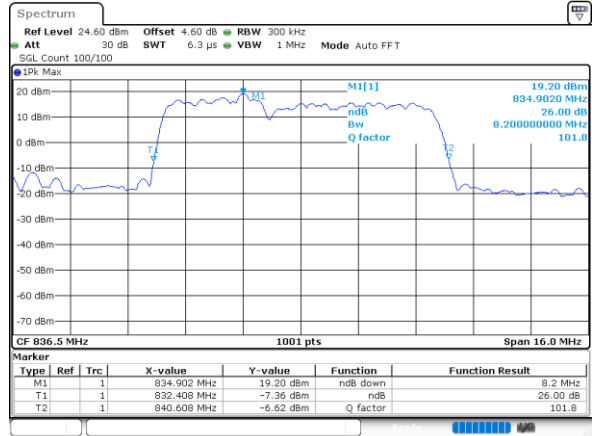
16QAM

Middle Channel / 3MHz+5MHz / QPSK

Middle Channel / 3MHz+5MHz / 16QAM



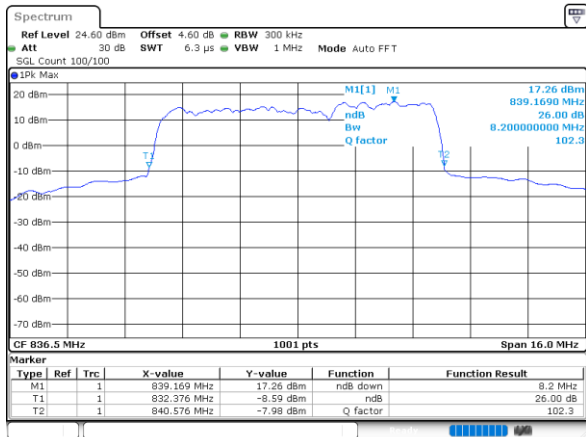
Date: 30, DEC, 2022 12:56:56



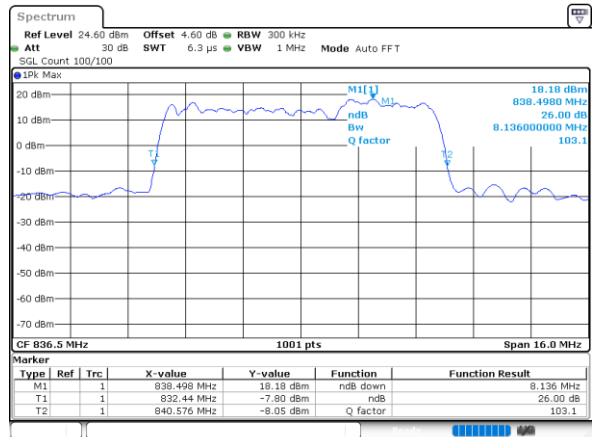
Date: 30, DEC, 2022 12:56:29

Middle Channel / 5MHz+3MHz / QPSK

Middle Channel / 5MHz+3MHz / 16QAM



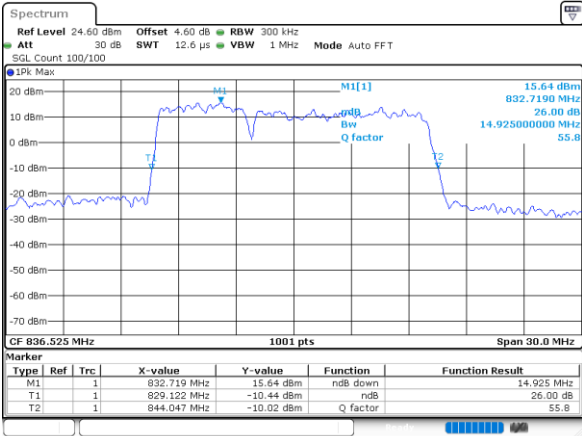
Date: 30, DEC, 2022 14:10:19



Date: 30, DEC, 2022 14:10:44

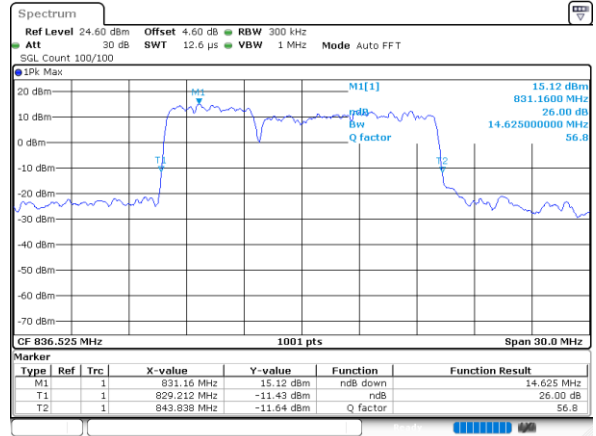


Middle Channel / 5MHz+10MHz / QPSK



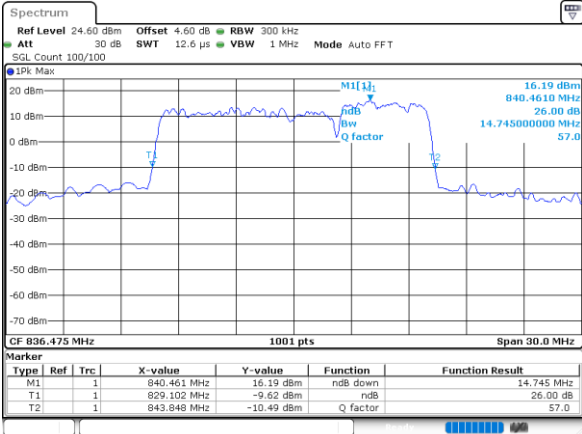
Date: 30, DEC, 2022 15:29:17

Middle Channel / 5MHz+10MHz / 16QAM



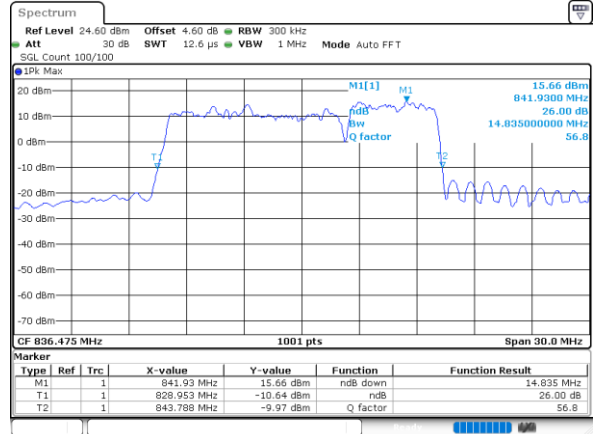
Date: 30, DEC, 2022 15:29:43

Middle Channel / 10MHz+5MHz / QPSK



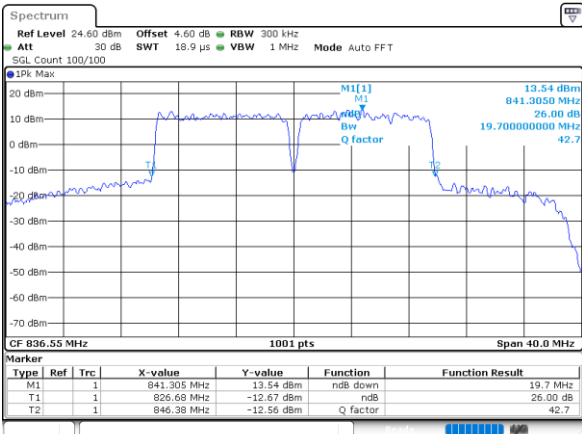
Date: 1, JAN, 2023 10:10:36

Middle Channel / 10MHz+5MHz / 16QAM



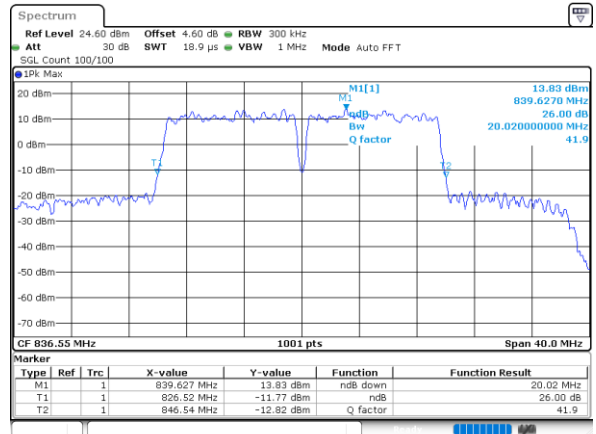
Date: 1, JAN, 2023 10:11:03

Middle Channel / 10MHz+10MHz / QPSK



Date: 1, JAN, 2023 11:33:24

Middle Channel / 10MHz+10MHz / 16QAM



Date: 1, JAN, 2023 11:32:56



### Occupied Bandwidth

Mode	LTE Band 5B : 99%OBW(MHz)	
Mod.	QPSK	16QAM
BW	3MHz+5MHz	
Middle CH	7.64	7.59
Mod.	QPSK	16QAM
BW	5MHz+3MHz	
Middle CH	7.59	7.58
Mod.	QPSK	16QAM
BW	5MHz+10MHz	
Middle CH	13.88	13.97
Mod.	QPSK	16QAM
BW	10MHz+5MHz	
Middle CH	13.97	13.94
Mod.	QPSK	16QAM
BW	10MHz+10MHz	
Middle CH	18.78	18.74



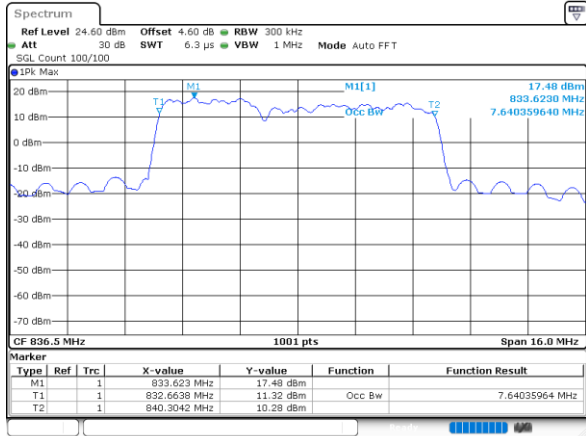
LTE Band 5B

QPSK

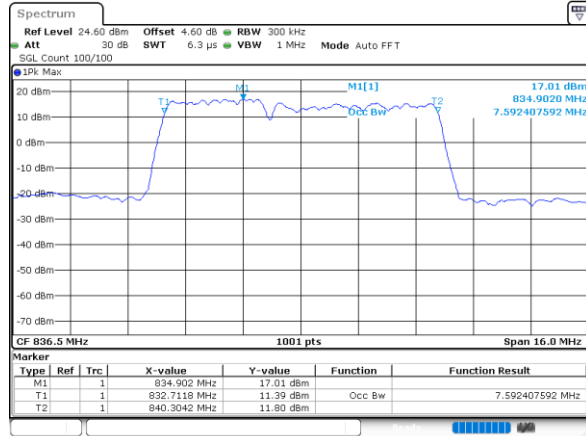
16QAM

Middle Channel / 3MHz+5MHz / QPSK

Middle Channel / 3MHz+5MHz / 16QAM



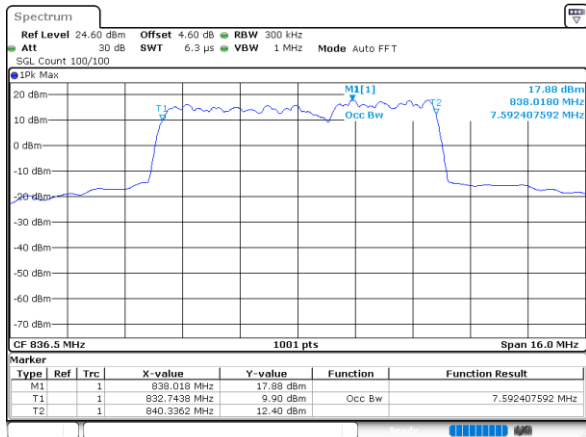
Date: 30.DEC.2022 12:55:34



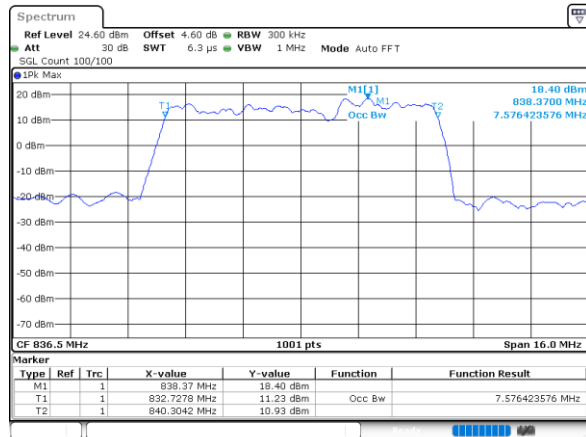
Date: 30.DEC.2022 12:56:02

Middle Channel / 5MHz+3MHz / QPSK

Middle Channel / 5MHz+3MHz / 16QAM



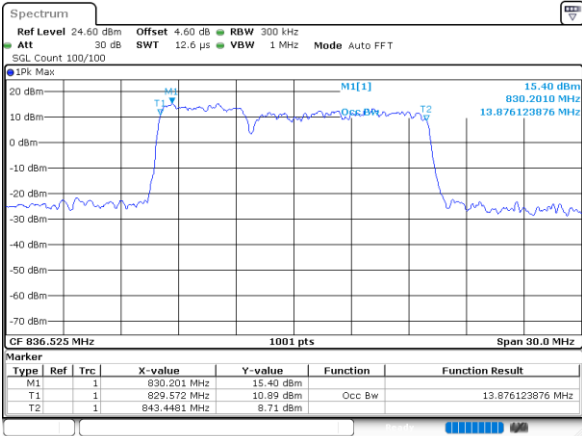
Date: 30.DEC.2022 14:09:53



Date: 30.DEC.2022 14:11:09

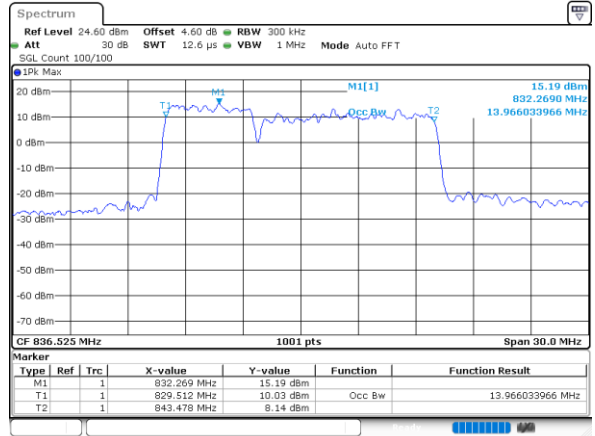


Middle Channel / 5MHz+10MHz / QPSK



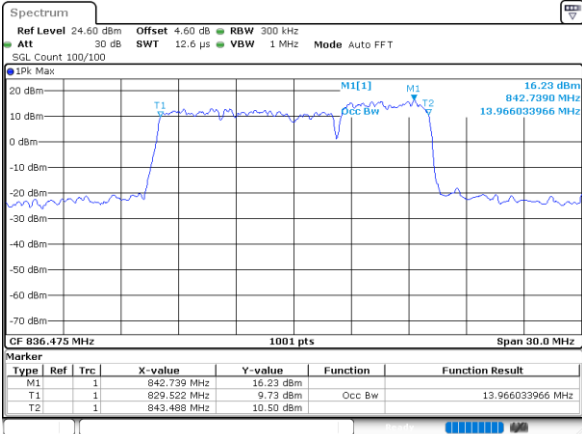
Date: 30.DEC.2022 15:28:52

Middle Channel / 5MHz+10MHz / 16QAM



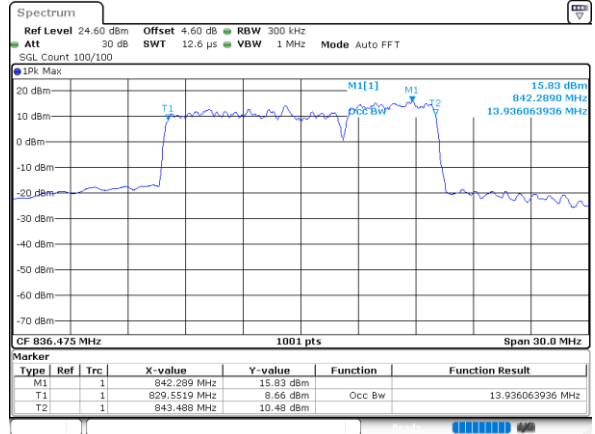
Date: 30.DEC.2022 15:30:08

Middle Channel / 10MHz+5MHz / QPSK



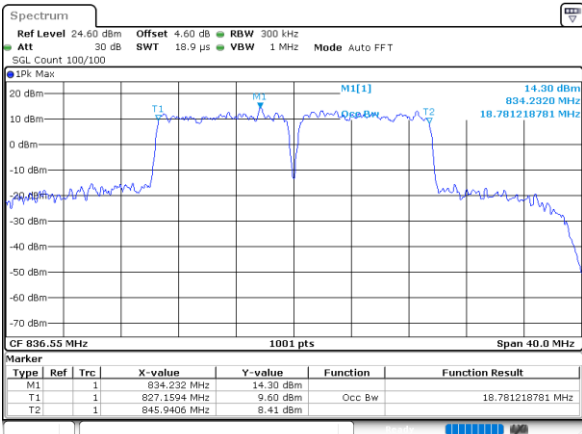
Date: 1.JAN.2023 10:10:09

Middle Channel / 10MHz+5MHz / 16QAM



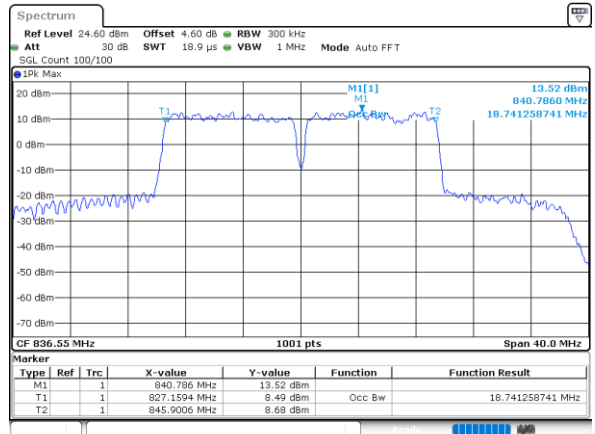
Date: 1.JAN.2023 10:11:30

Middle Channel / 10MHz+10MHz / QPSK



Date: 1.JAN.2023 11:32:01

Middle Channel / 10MHz+10MHz / 16QAM



Date: 1.JAN.2023 11:32:29





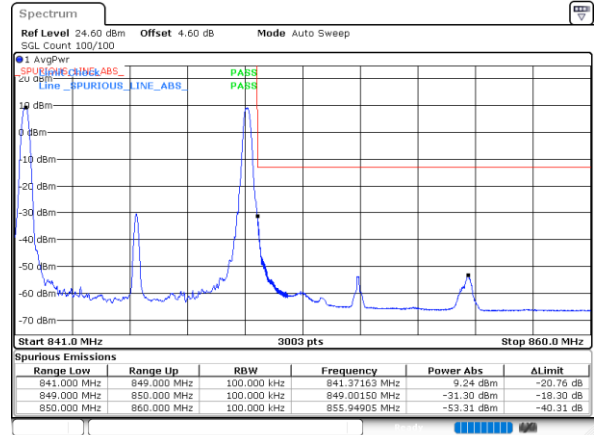
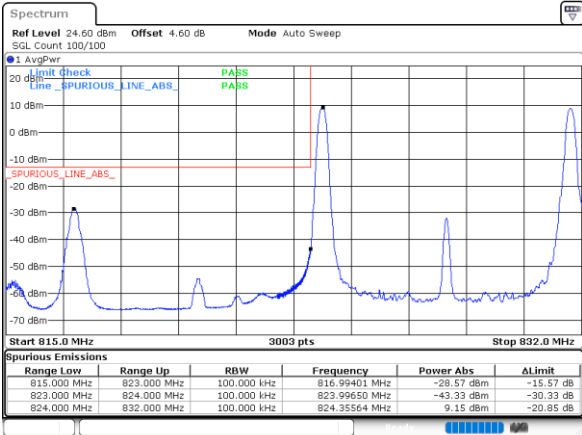
# Conducted Band Edge

## LTE Band 5B / 3MHz+5MHz

### QPSK

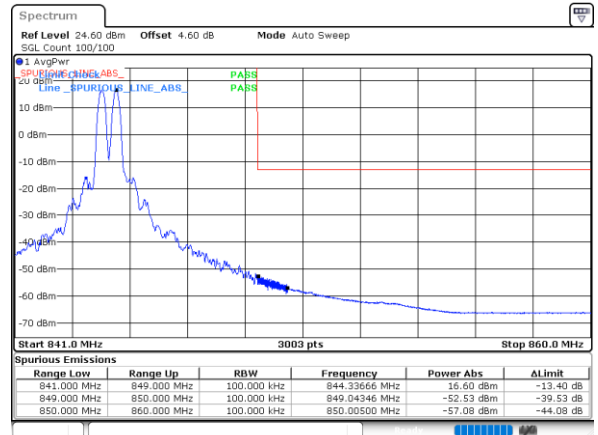
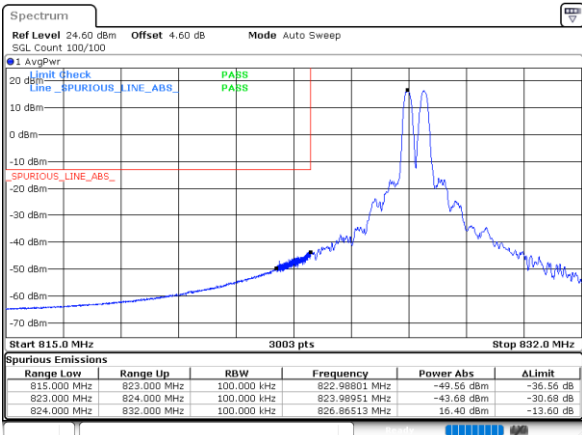
#### Lowest Band Edge / 1RB0 and 1RB24

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



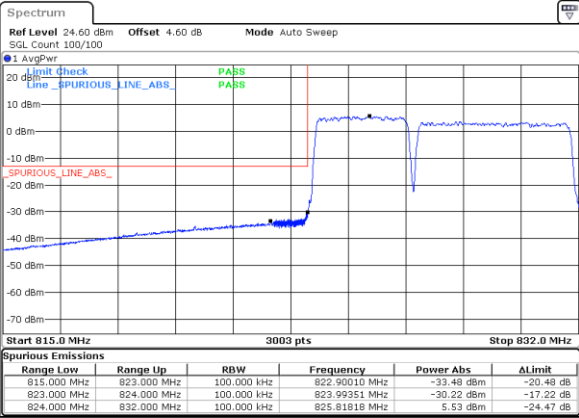
#### Lowest Band Edge / 1RB14 and 1RB0

#### Highest Band Edge / 1RB14 and 1RB0



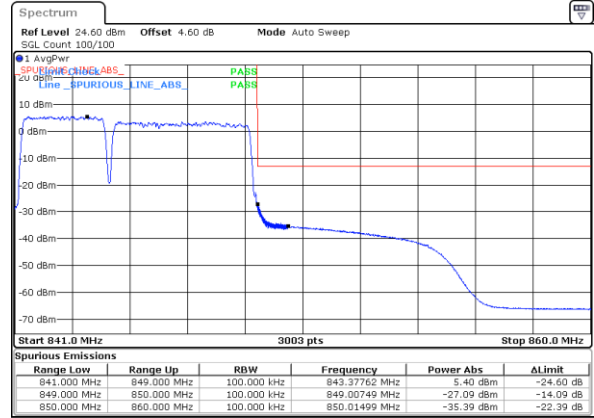


Lowest Band Edge / Full RB



Date: 30, DEC, 2022 11:57:39

Highest Band Edge / Full RB



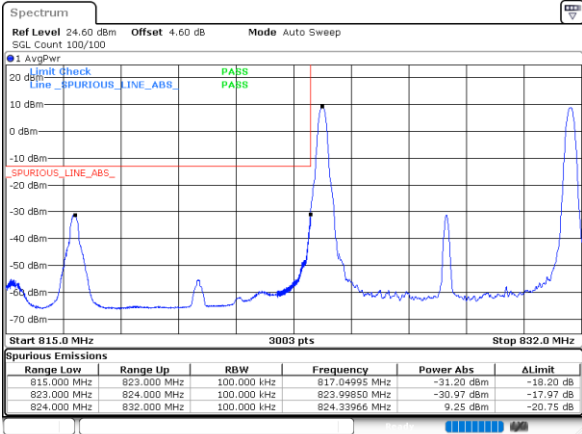
Date: 30, DEC, 2022 12:24:27



LTE Band 5B / 5MHz+3MHz

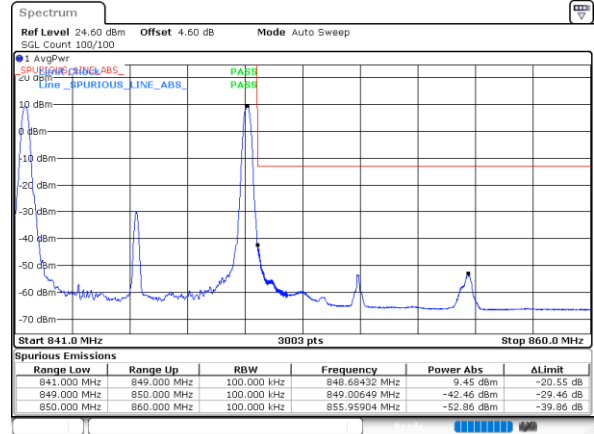
QPSK

Lowest Band Edge / 1RB0 and 1RB14



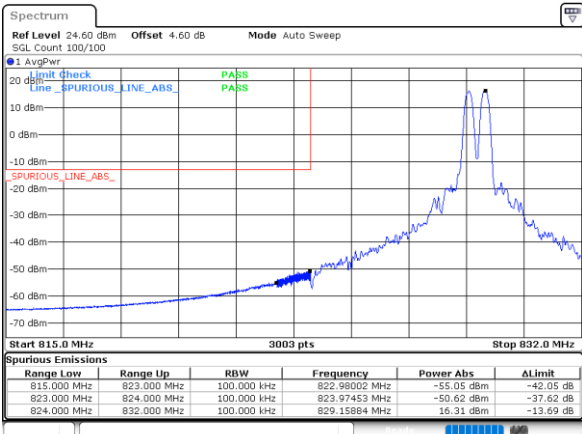
Date: 30, DEC, 2022 13:13:02

Highest Band Edge / 1RB0 and 1RB14



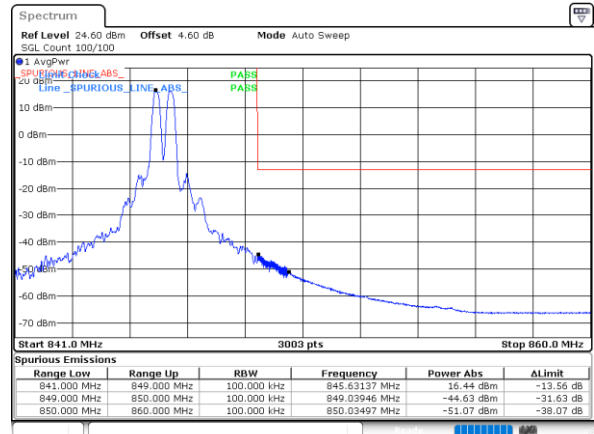
Date: 30, DEC, 2022 13:45:21

Lowest Band Edge / 1RB24 and 1RB0



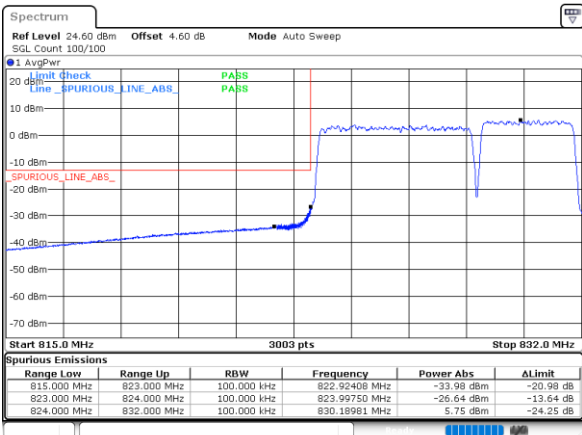
Date: 30, DEC, 2022 13:23:57

Highest Band Edge / 1RB24 and 1RB0



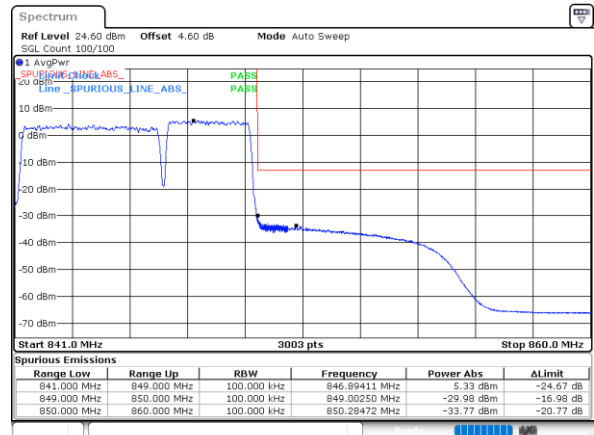
Date: 30, DEC, 2022 13:53:03

Lowest Band Edge / Full RB



Date: 30, DEC, 2022 13:05:12

Highest Band Edge / Full RB



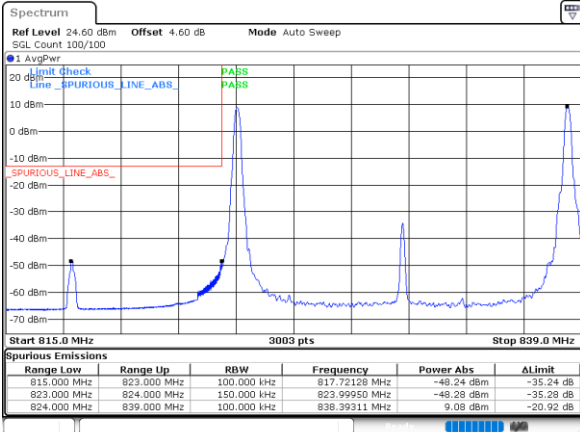
Date: 30, DEC, 2022 13:37:40



LTE Band 5B / 5MHz+10MHz

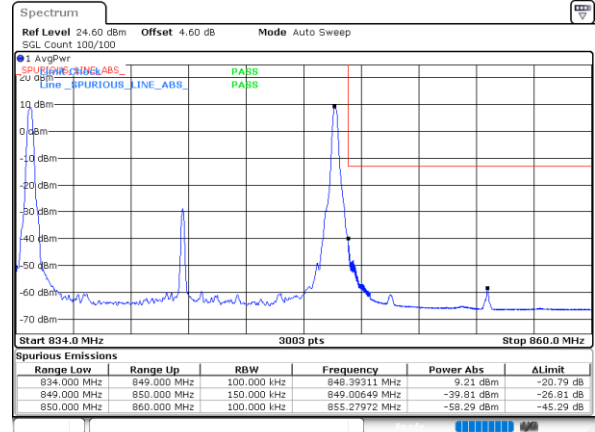
QPSK

Lowest Band Edge / 1RB0 and 1RB49



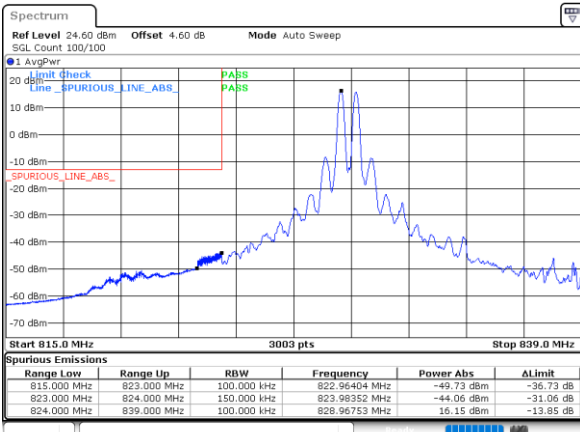
Date: 30, DEC, 2022 14:38:57

Highest Band Edge / 1RB0 and 1RB49



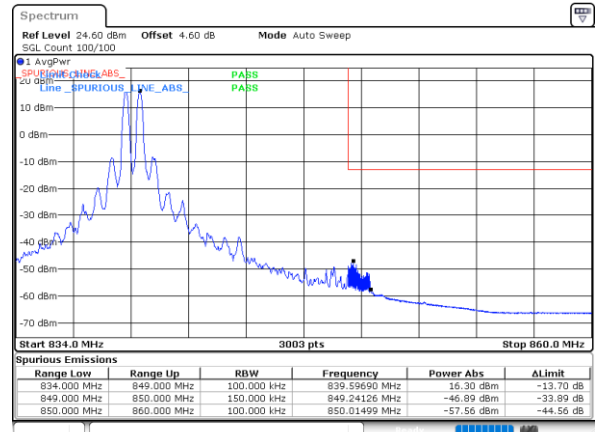
Date: 30, DEC, 2022 15:11:46

Lowest Band Edge / 1RB24 and 1RB0



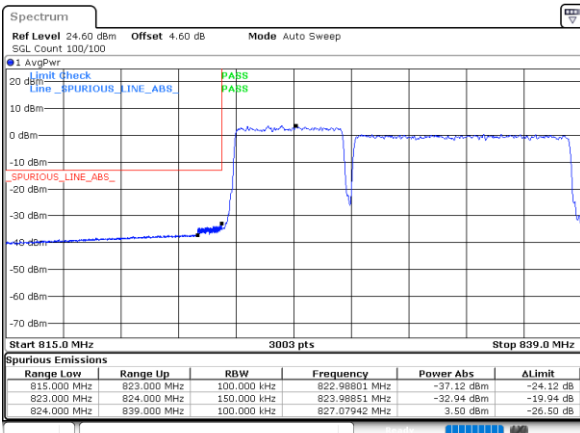
Date: 30, DEC, 2022 14:46:40

Highest Band Edge / 1RB24 and 1RB0



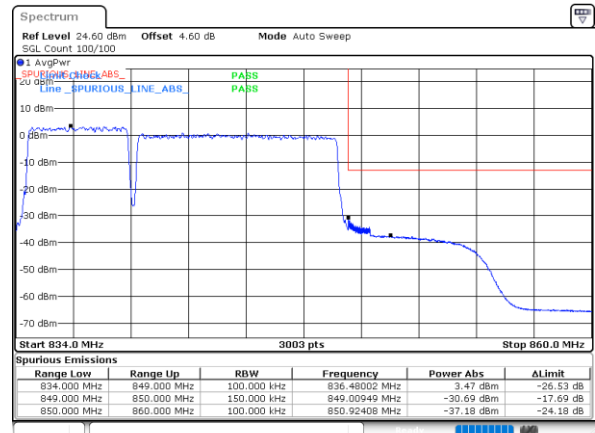
Date: 30, DEC, 2022 15:19:26

Lowest Band Edge / Full RB



Date: 30, DEC, 2022 14:31:14

Highest Band Edge / Full RB



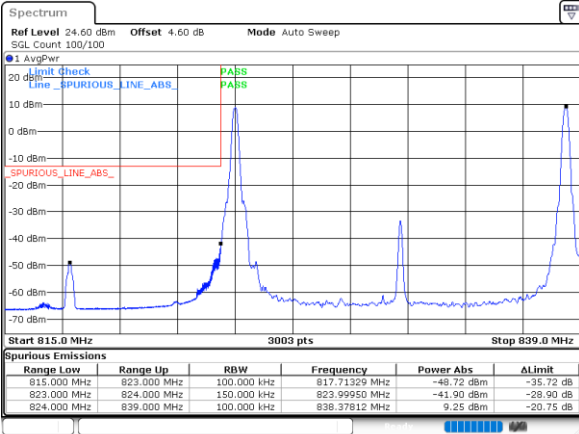
Date: 30, DEC, 2022 15:04:04



LTE Band 5B / 10MHz+5MHz

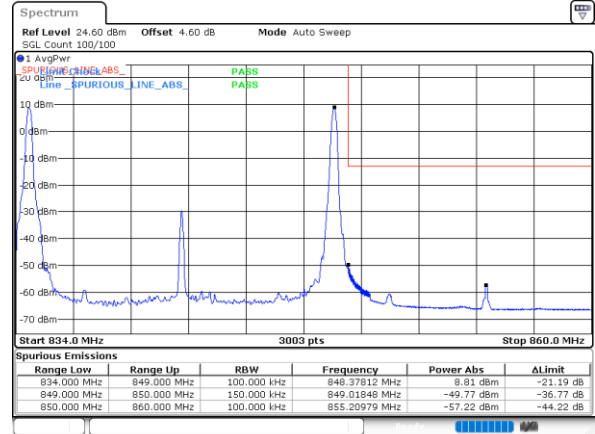
QPSK

Lowest Band Edge / 1RB0 and 1RB24



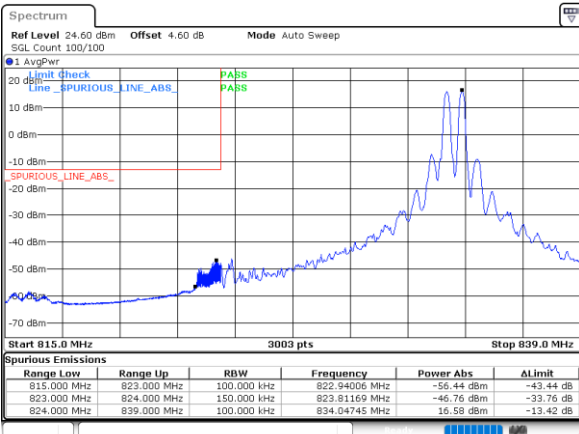
Date: 30, DEC, 2022 15:43:09

Highest Band Edge / 1RB0 and 1RB24



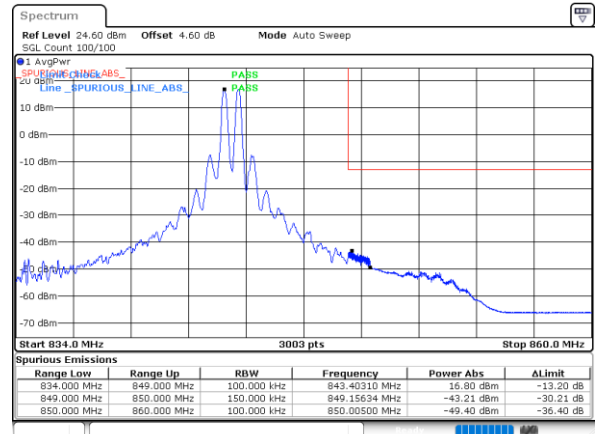
Date: 30, DEC, 2022 16:18:46

Lowest Band Edge / 1RB49 and 1RB0



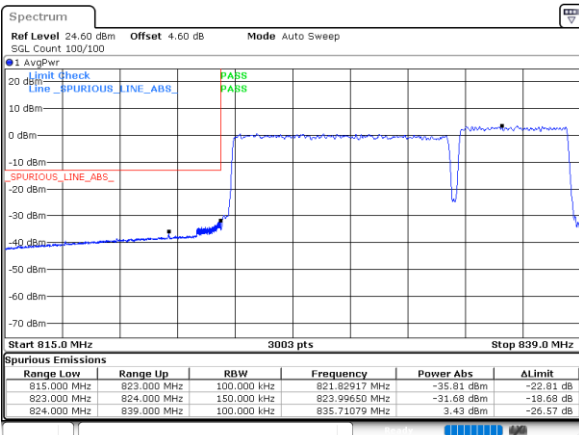
Date: 30, DEC, 2022 15:50:52

Highest Band Edge / 1RB49 and 1RB0



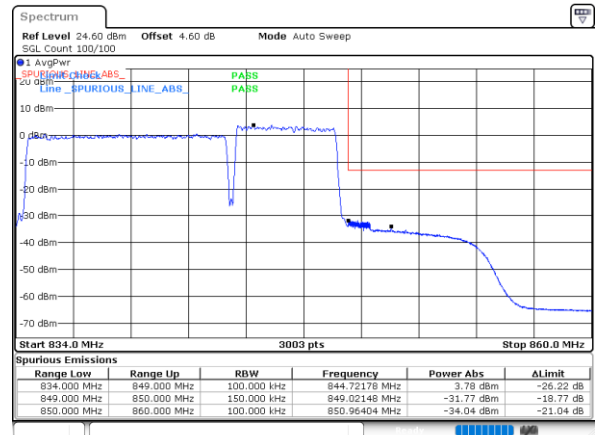
Date: 1, JAN, 2023 09:53:40

Lowest Band Edge / Full RB



Date: 30, DEC, 2022 15:35:28

Highest Band Edge / Full RB



Date: 30, DEC, 2022 16:15:10

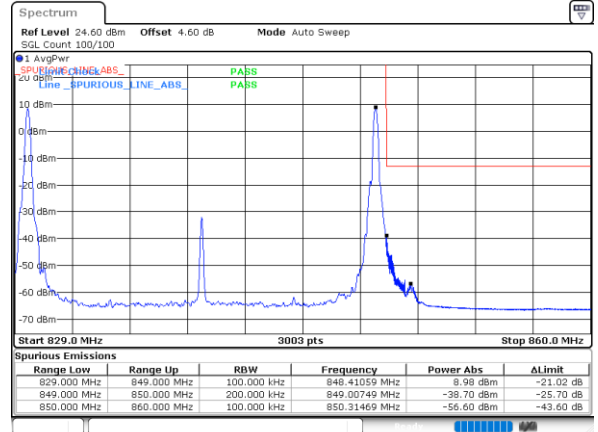
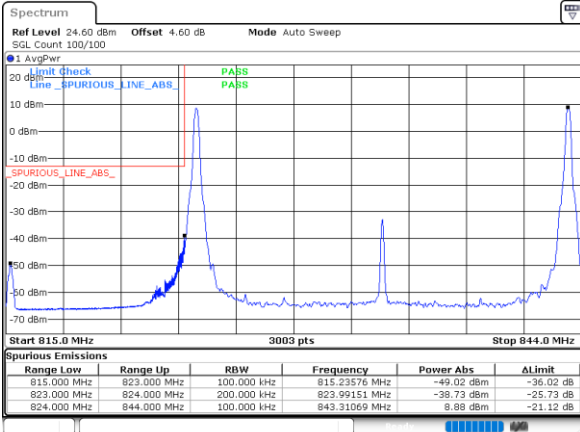


LTE Band 5B / 10MHz+10MHz

QPSK

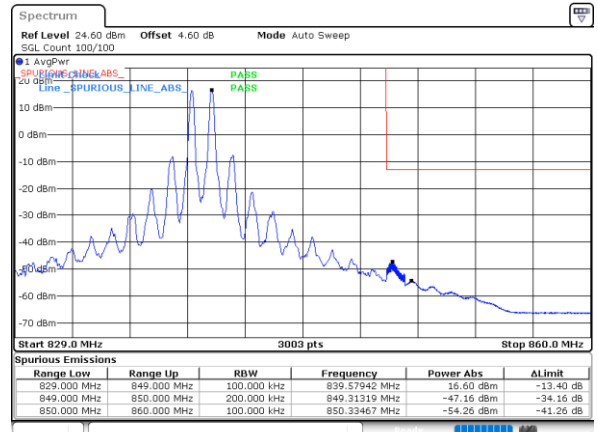
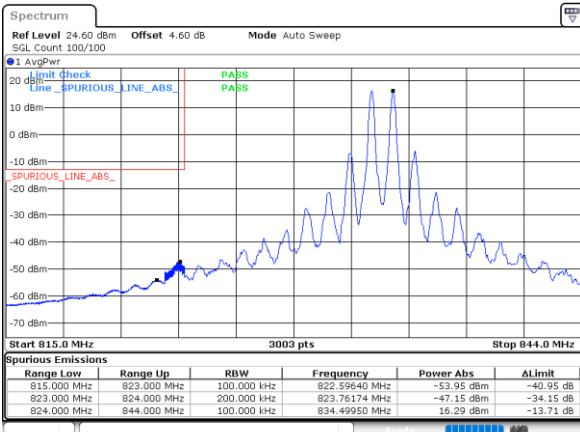
Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49



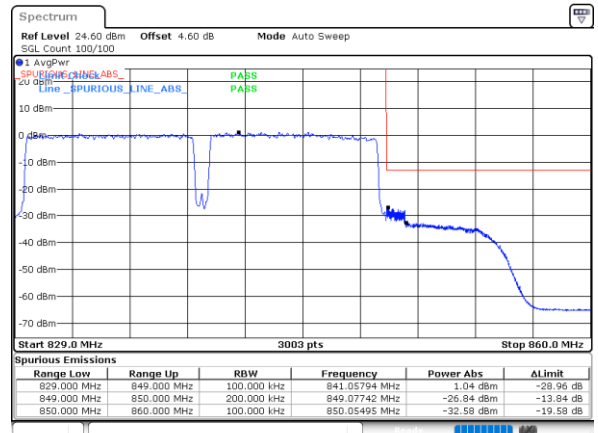
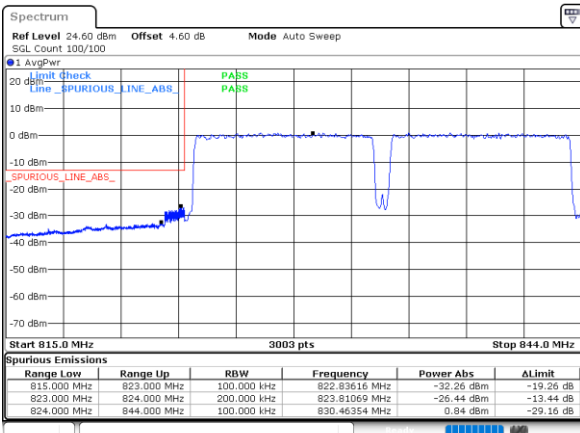
Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

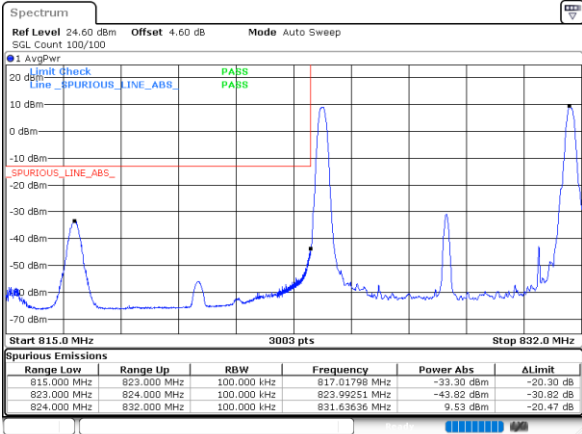




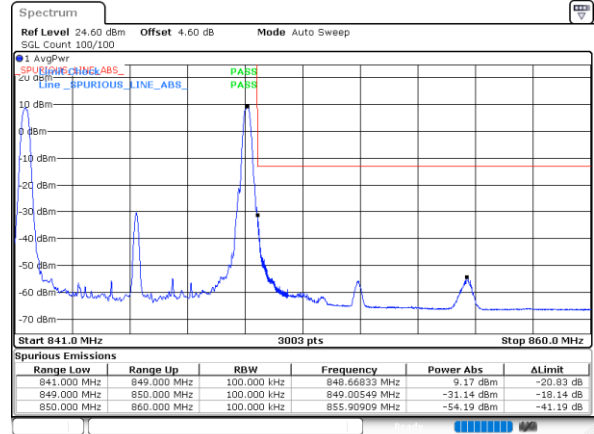
LTE Band 5B / 3MHz+5MHz

16QAM

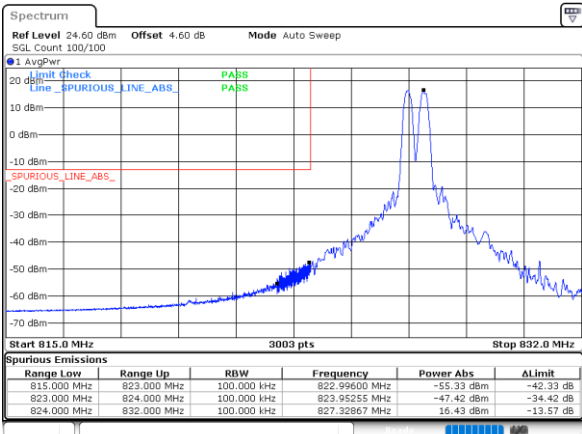
Lowest Band Edge / 1RB0 and 1RB24



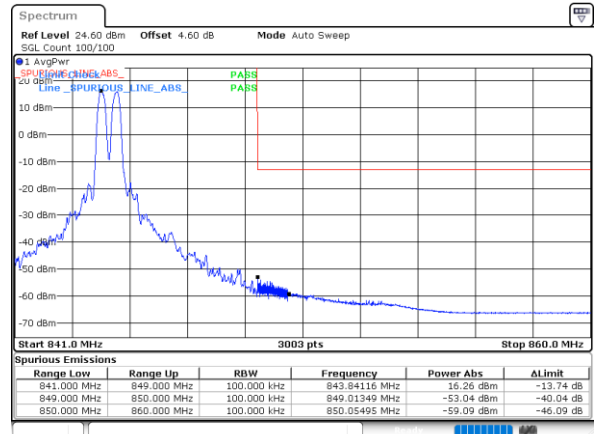
Highest Band Edge / 1RB0 and 1RB24



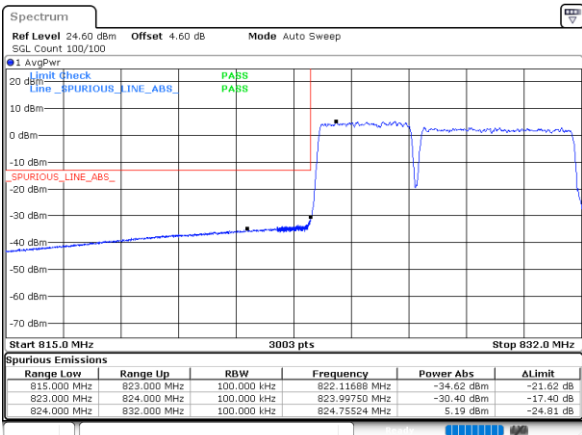
Lowest Band Edge / 1RB14 and 1RB0



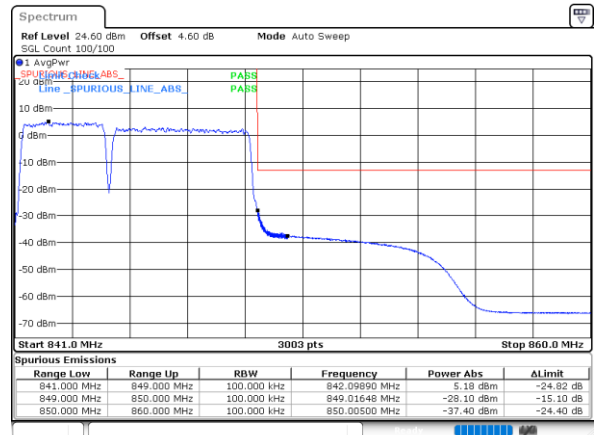
Highest Band Edge / 1RB14 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

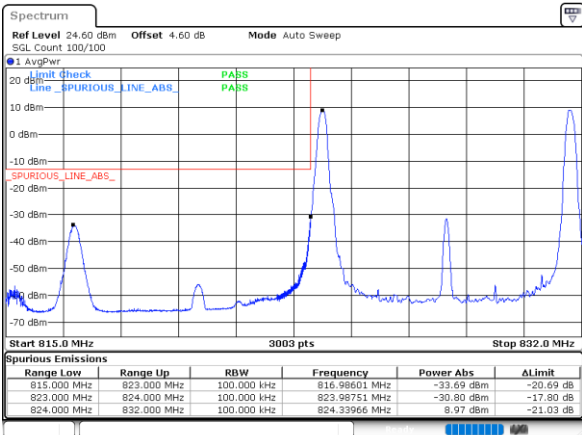




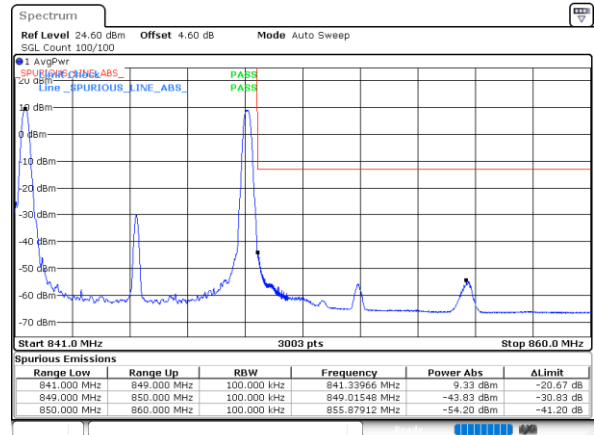
LTE Band 5B / 5MHz+3MHz

16QAM

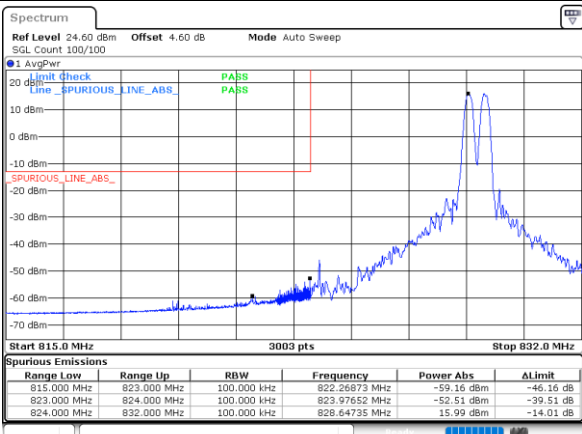
Lowest Band Edge / 1RB0 and 1RB14



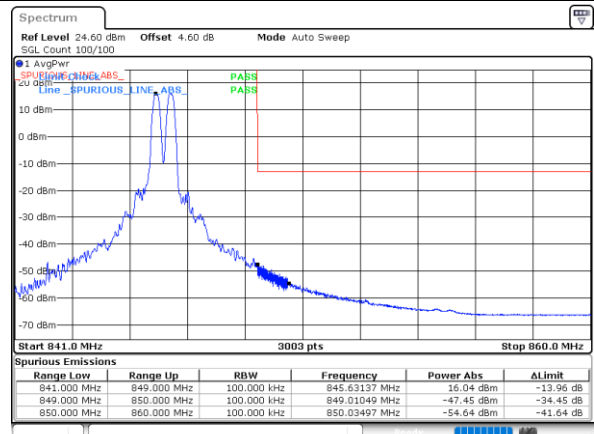
Highest Band Edge / 1RB0 and 1RB14



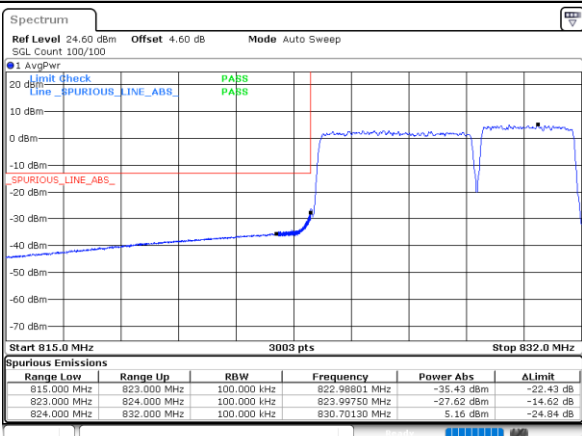
Lowest Band Edge / 1RB24 and 1RB0



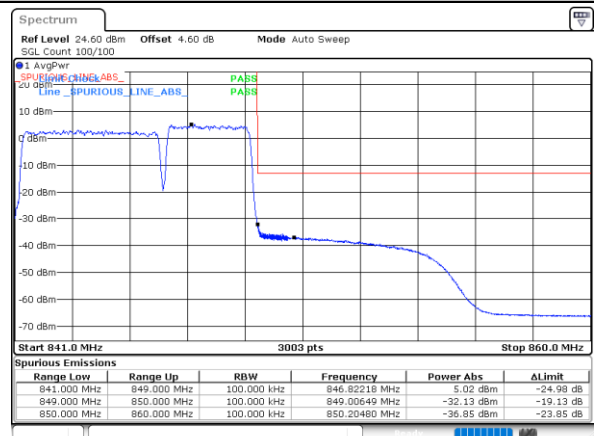
Highest Band Edge / 1RB24 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



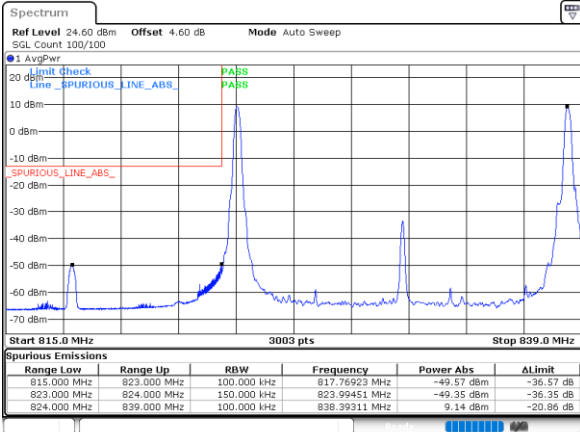




LTE Band 5B / 5MHz+10MHz

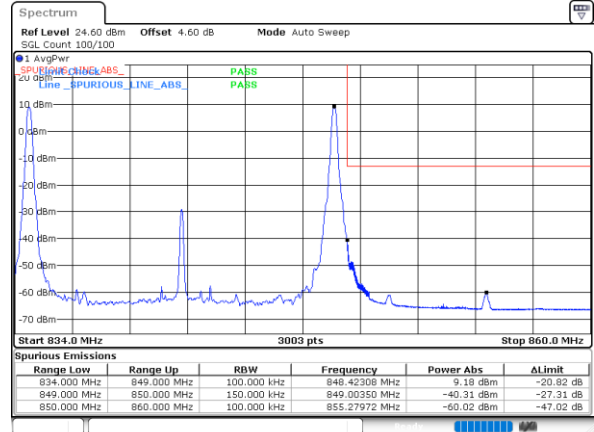
16QAM

Lowest Band Edge / 1RB0 and 1RB49



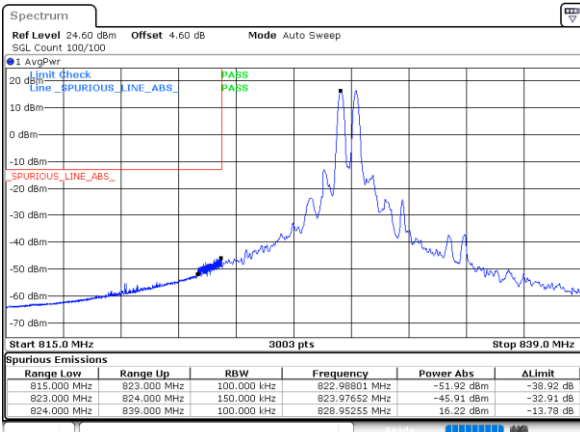
Date: 30, DEC, 2022 14:40:52

Highest Band Edge / 1RB0 and 1RB49



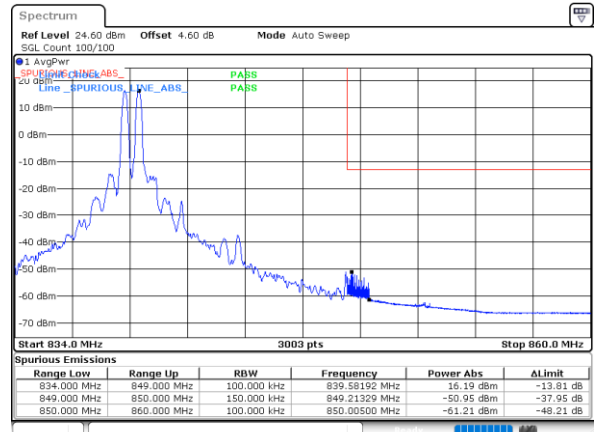
Date: 30, DEC, 2022 15:13:41

Lowest Band Edge / 1RB24 and 1RB0



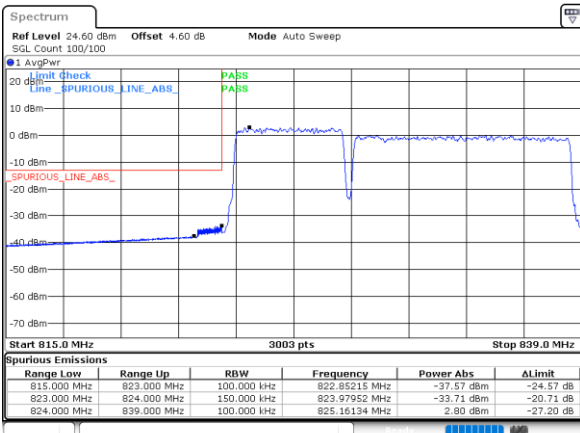
Date: 30, DEC, 2022 14:48:34

Highest Band Edge / 1RB24 and 1RB0



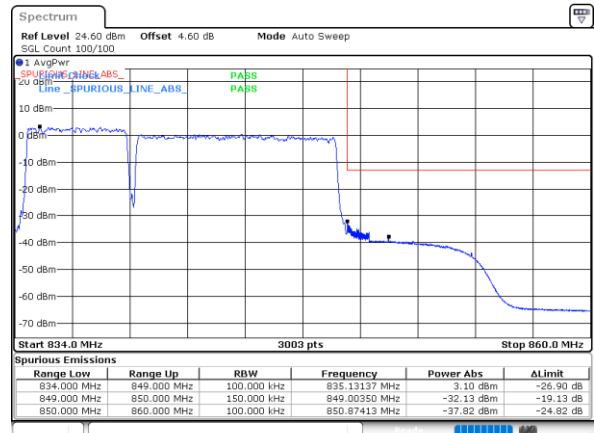
Date: 30, DEC, 2022 15:21:21

Lowest Band Edge / Full RB



Date: 30, DEC, 2022 14:33:10

Highest Band Edge / Full RB



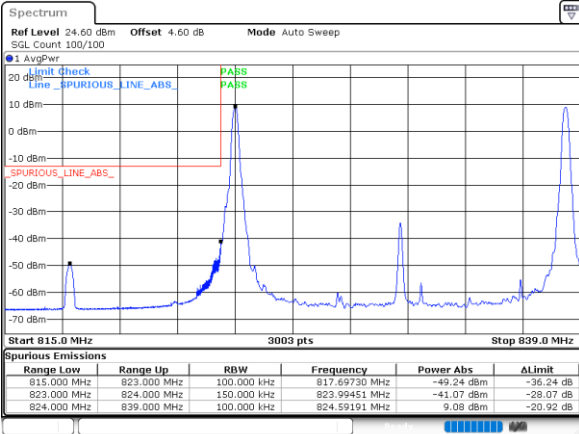
Date: 30, DEC, 2022 15:05:59



LTE Band 5B / 10MHz+5MHz

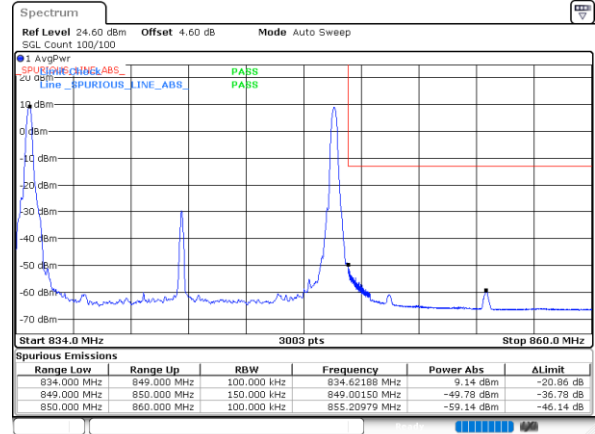
16QAM

Lowest Band Edge / 1RB0 and 1RB24



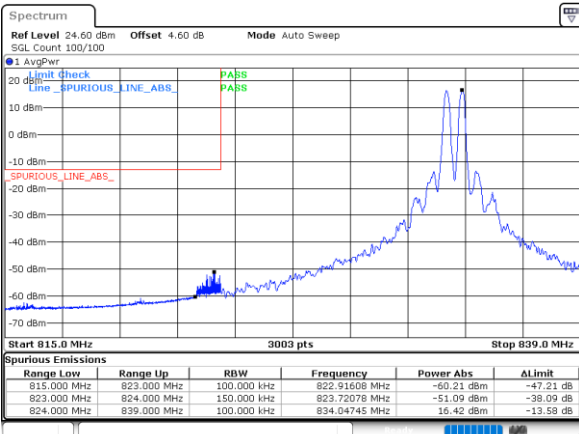
Date: 30, DEC, 2022 15:45:05

Highest Band Edge / 1RB0 and 1RB24



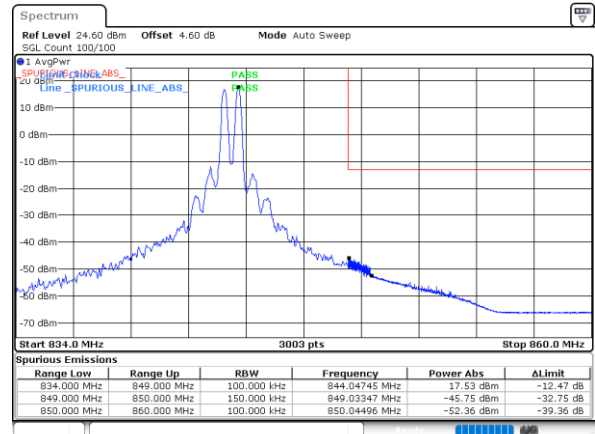
Date: 30, DEC, 2022 16:19:37

Lowest Band Edge / 1RB49 and 1RB0



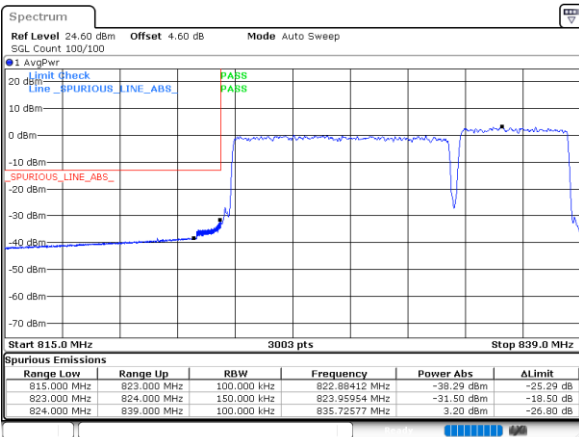
Date: 30, DEC, 2022 15:52:47

Highest Band Edge / 1RB49 and 1RB0



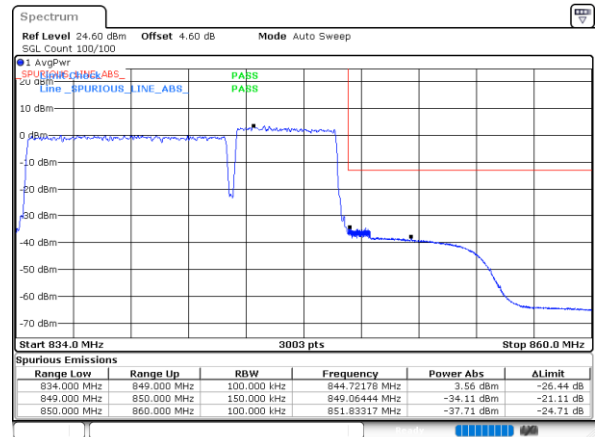
Date: 1, JAN, 2023 09:55:36

Lowest Band Edge / Full RB



Date: 30, DEC, 2022 15:37:23

Highest Band Edge / Full RB



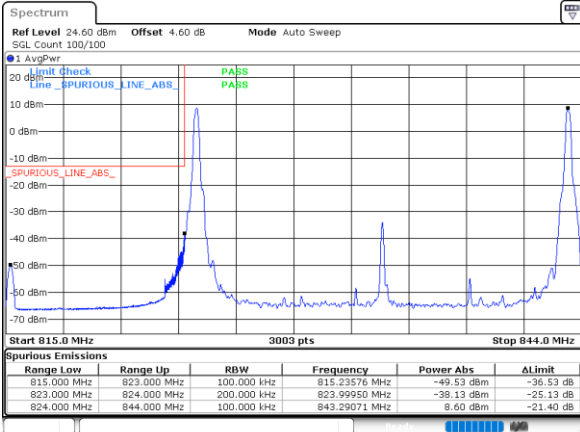
Date: 30, DEC, 2022 16:16:00



LTE Band 5B / 10MHz+10MHz

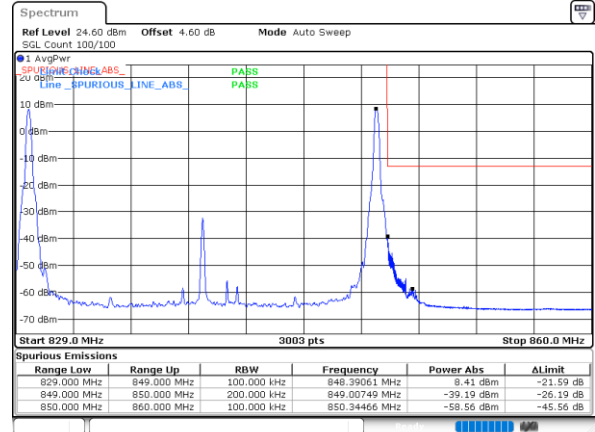
16QAM

Lowest Band Edge / 1RB0 and 1RB49



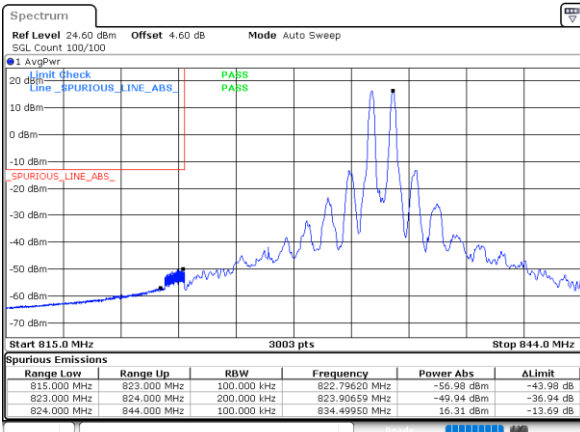
Date: 1, JAN, 2023 10:26:14

Highest Band Edge / 1RB0 and 1RB49



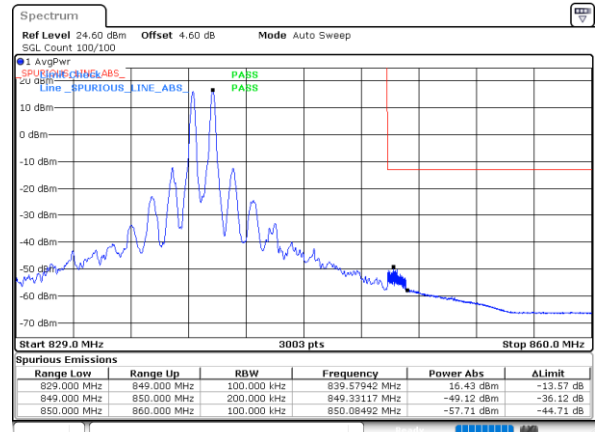
Date: 1, JAN, 2023 11:13:32

Lowest Band Edge / 1RB49 and 1RB0



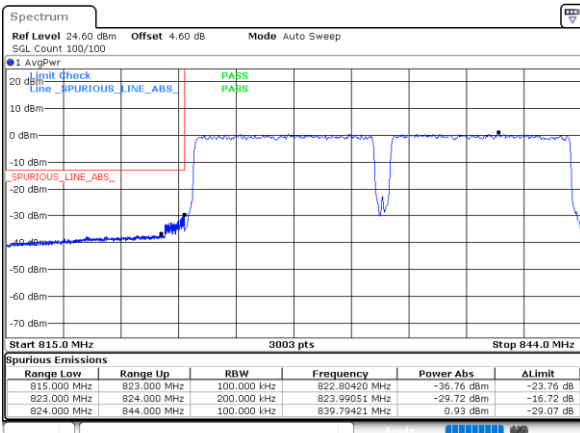
Date: 1, JAN, 2023 10:34:02

Highest Band Edge / 1RB49 and 1RB0



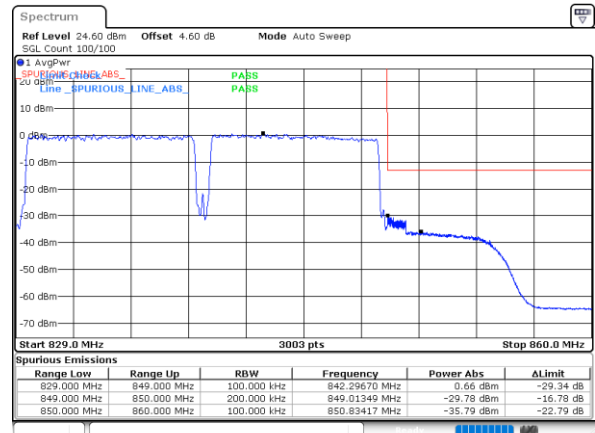
Date: 1, JAN, 2023 11:21:19

Lowest Band Edge / Full RB



Date: 1, JAN, 2023 10:18:26

Highest Band Edge / Full RB



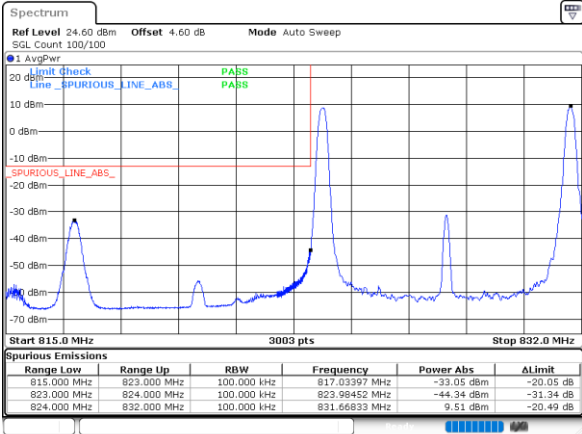
Date: 1, JAN, 2023 11:05:45



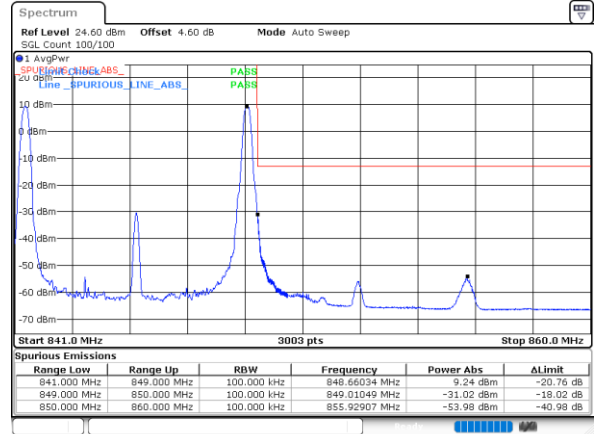
LTE Band 5B / 3MHz+5MHz

64QAM

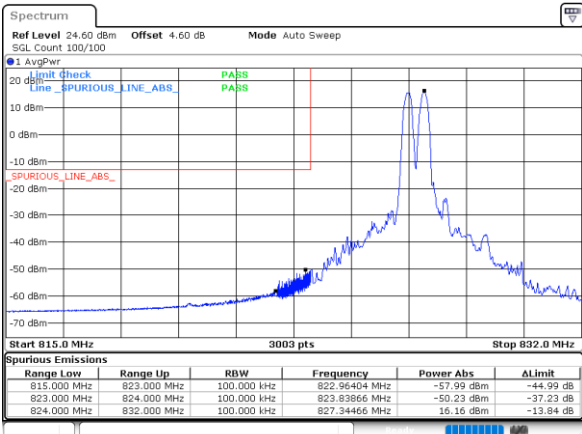
Lowest Band Edge / 1RB0 and 1RB24



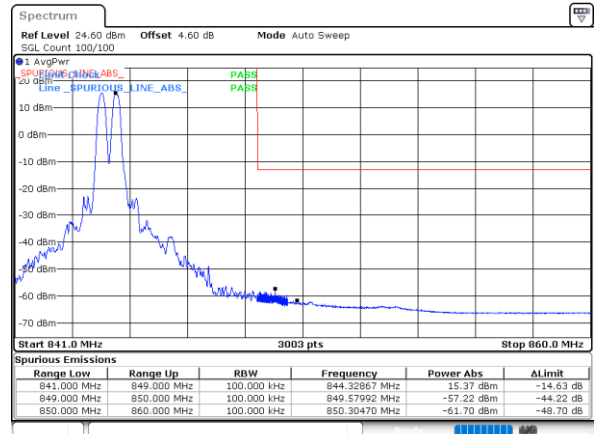
Highest Band Edge / 1RB0 and 1RB24



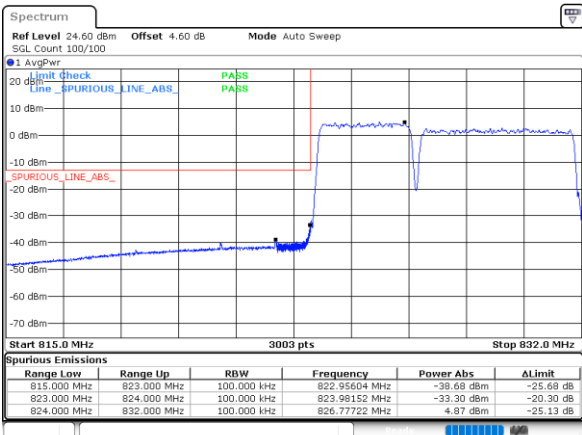
Lowest Band Edge / 1RB14 and 1RB0



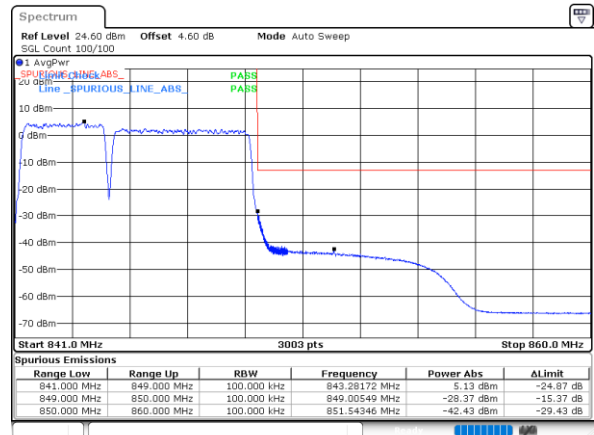
Highest Band Edge / 1RB14 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

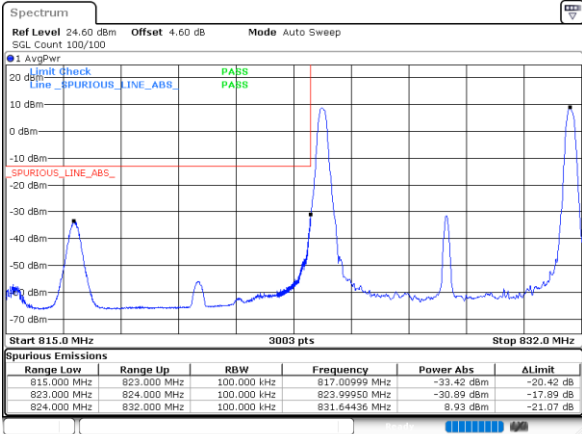




LTE Band 5B / 5MHz+3MHz

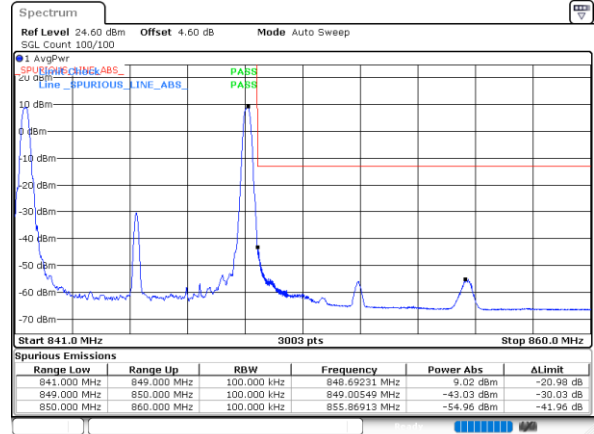
64QAM

Lowest Band Edge / 1RB0 and 1RB14



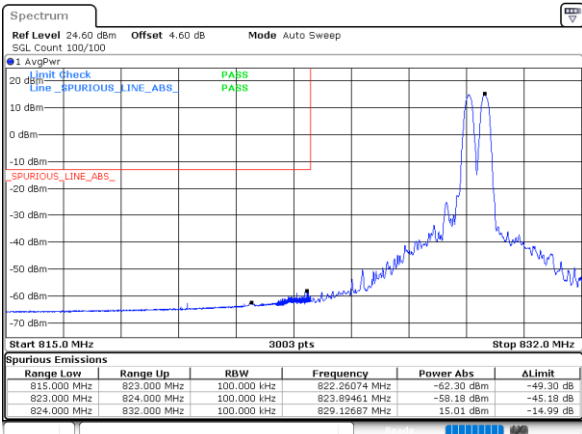
Date: 30, DEC, 2022 13:20:07

Highest Band Edge / 1RB0 and 1RB14



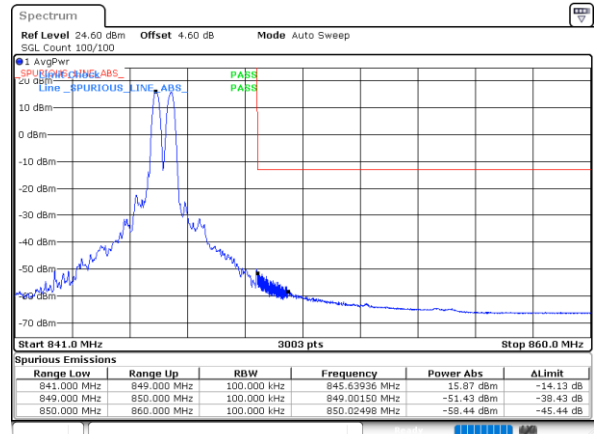
Date: 30, DEC, 2022 13:49:12

Lowest Band Edge / 1RB24 and 1RB0



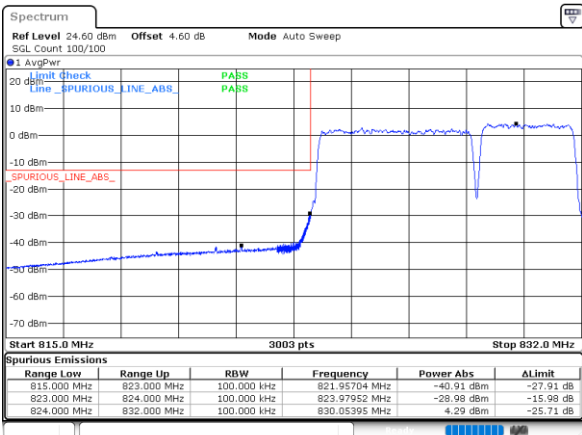
Date: 30, DEC, 2022 13:27:48

Highest Band Edge / 1RB24 and 1RB0



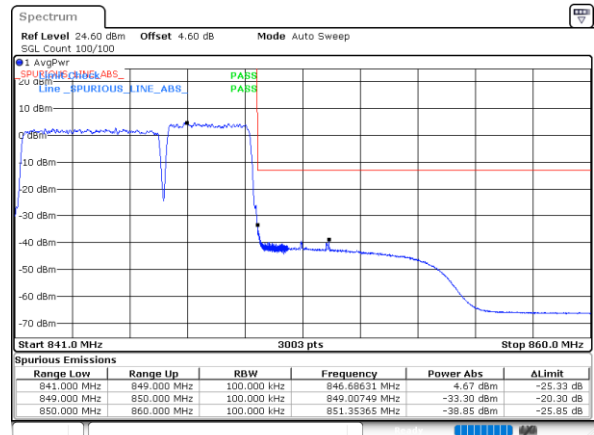
Date: 30, DEC, 2022 13:56:53

Lowest Band Edge / Full RB



Date: 30, DEC, 2022 13:09:08

Highest Band Edge / Full RB



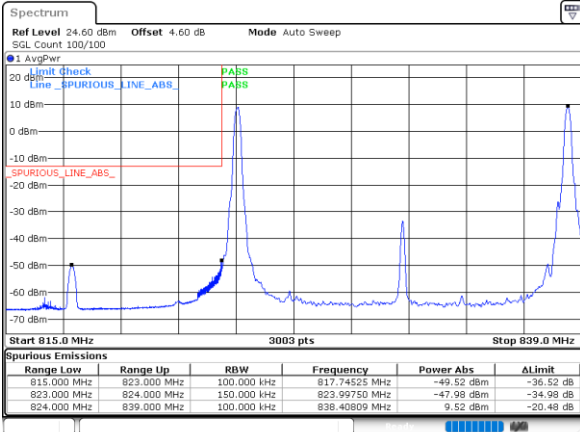
Date: 30, DEC, 2022 13:41:31



LTE Band 5B / 5MHz+10MHz

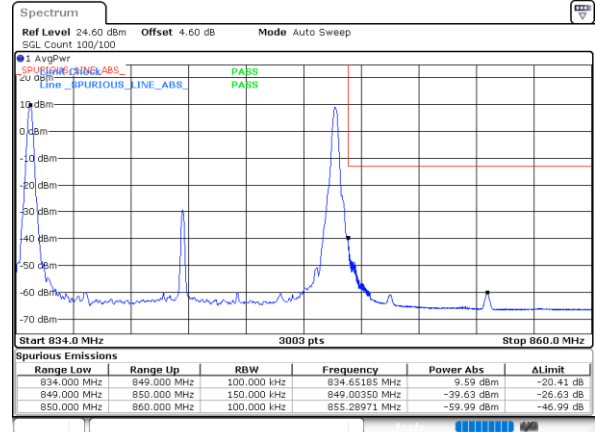
64QAM

Lowest Band Edge / 1RB0 and 1RB49



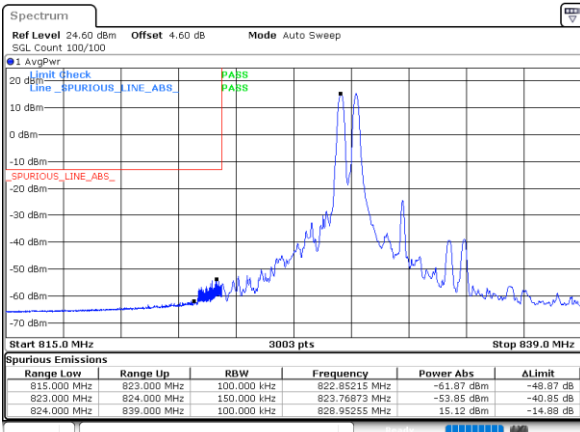
Date: 30, DEC, 2022 14:42:49

Highest Band Edge / 1RB0 and 1RB49



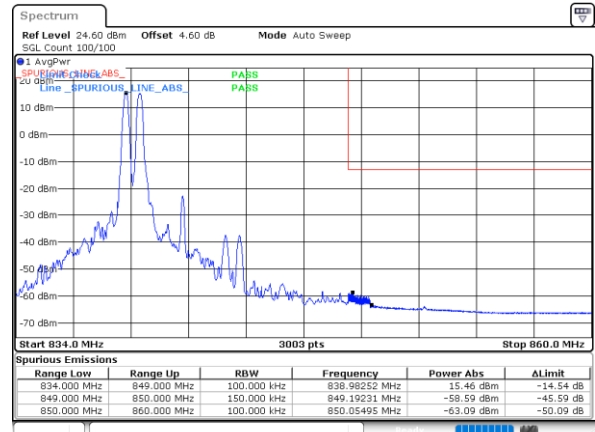
Date: 30, DEC, 2022 15:15:36

Lowest Band Edge / 1RB24 and 1RB0



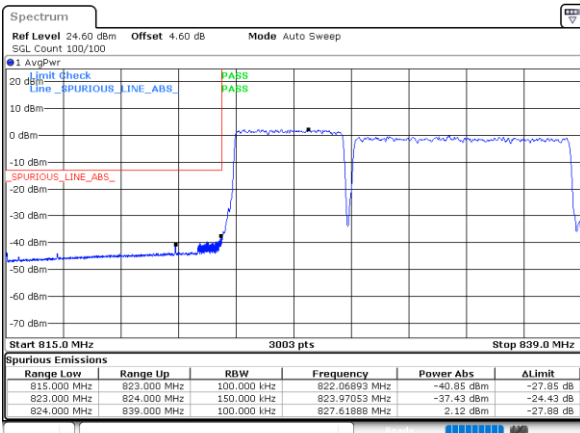
Date: 30, DEC, 2022 14:50:30

Highest Band Edge / 1RB24 and 1RB0



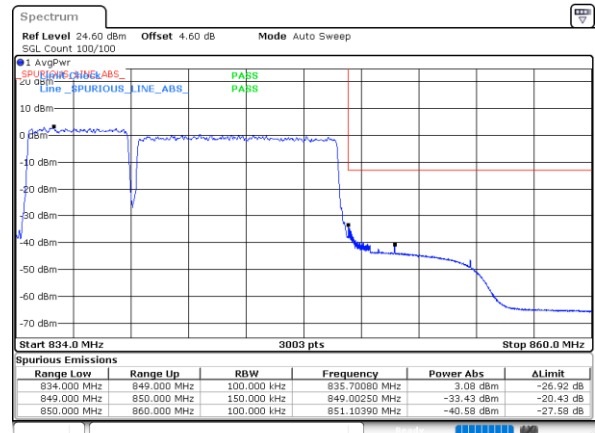
Date: 30, DEC, 2022 15:23:17

Lowest Band Edge / Full RB



Date: 30, DEC, 2022 14:35:06

Highest Band Edge / Full RB



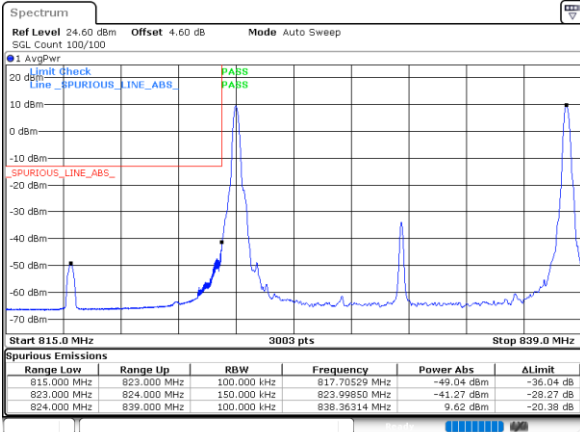
Date: 30, DEC, 2022 15:07:55



LTE Band 5B / 10MHz+5MHz

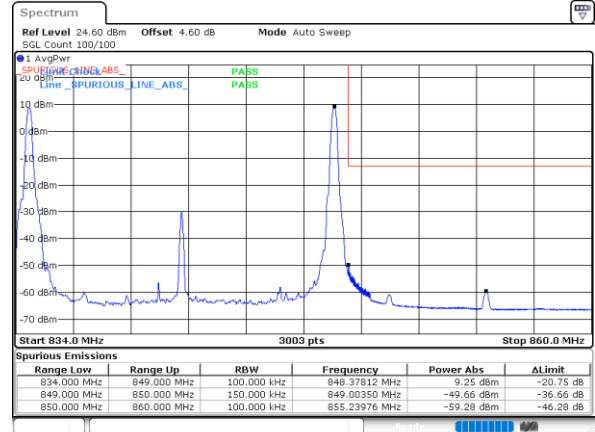
64QAM

Lowest Band Edge / 1RB0 and 1RB24



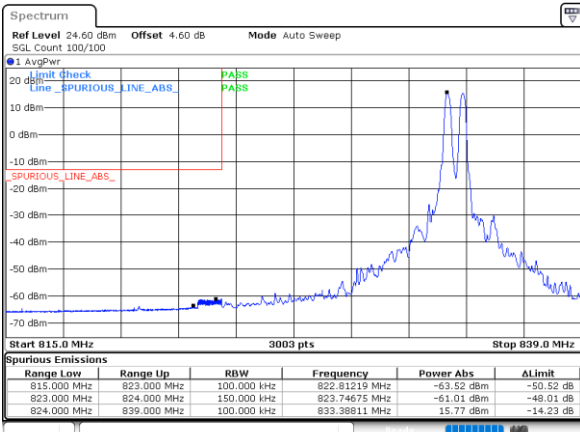
Date: 30, DEC, 2022 15:47:00

Highest Band Edge / 1RB0 and 1RB24



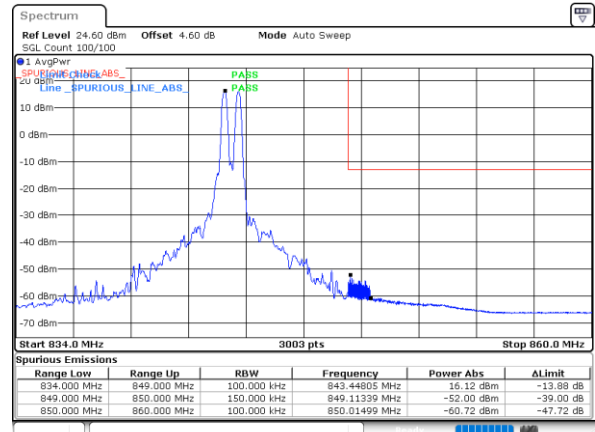
Date: 30, DEC, 2022 16:20:28

Lowest Band Edge / 1RB49 and 1RB0



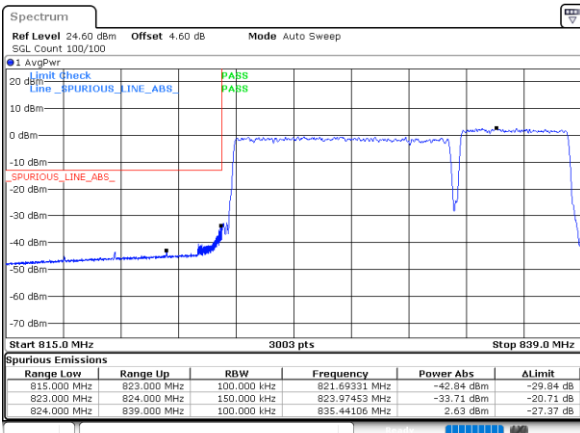
Date: 30, DEC, 2022 15:54:43

Highest Band Edge / 1RB49 and 1RB0



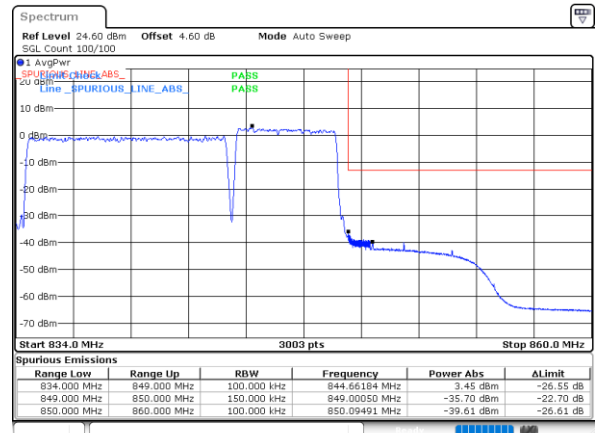
Date: 1, JAN, 2023 09:57:33

Lowest Band Edge / Full RB



Date: 30, DEC, 2022 15:39:19

Highest Band Edge / Full RB



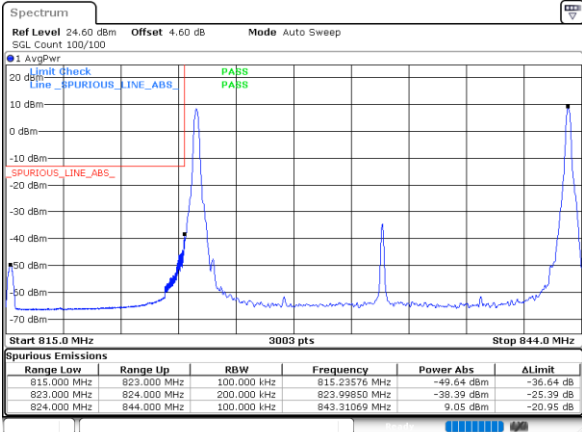
Date: 30, DEC, 2022 16:16:53



LTE Band 5B / 10MHz+10MHz

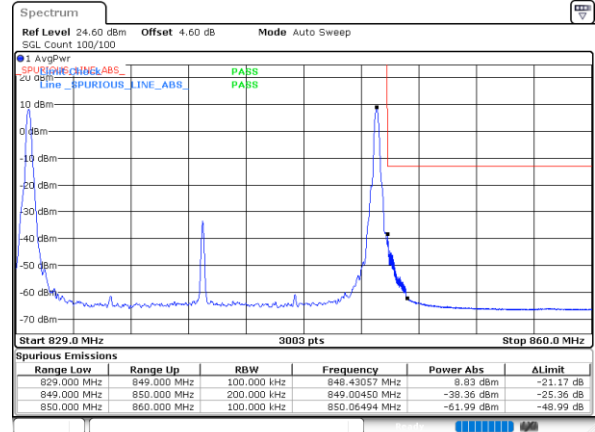
64QAM

Lowest Band Edge / 1RB0 and 1RB49



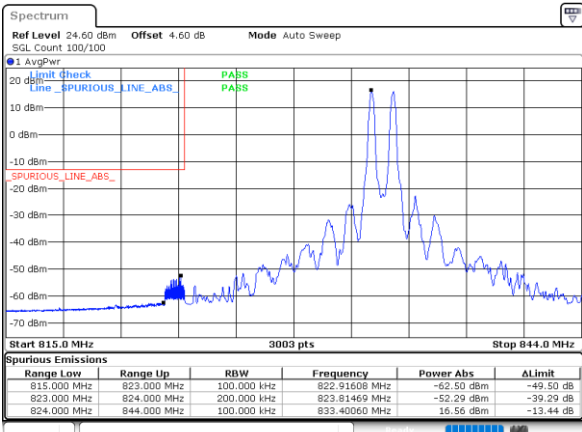
Date: 1, JAN, 2023 10:28:11

Highest Band Edge / 1RB0 and 1RB49



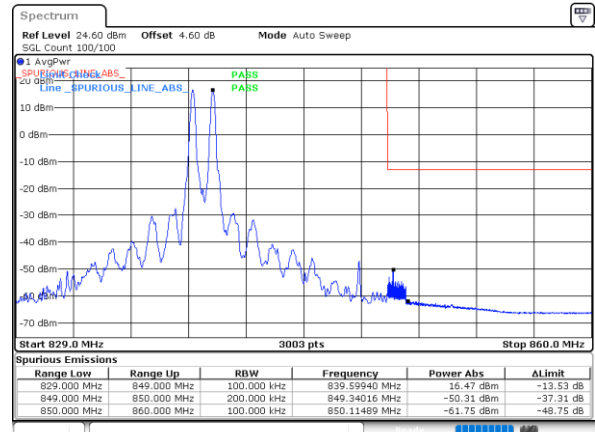
Date: 1, JAN, 2023 11:15:28

Lowest Band Edge / 1RB49 and 1RB0



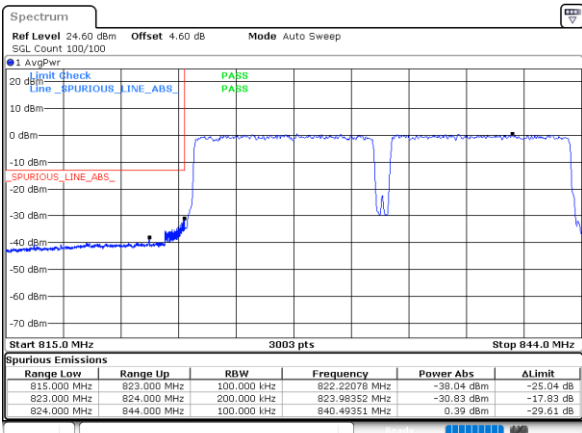
Date: 1, JAN, 2023 10:35:59

Highest Band Edge / 1RB49 and 1RB0



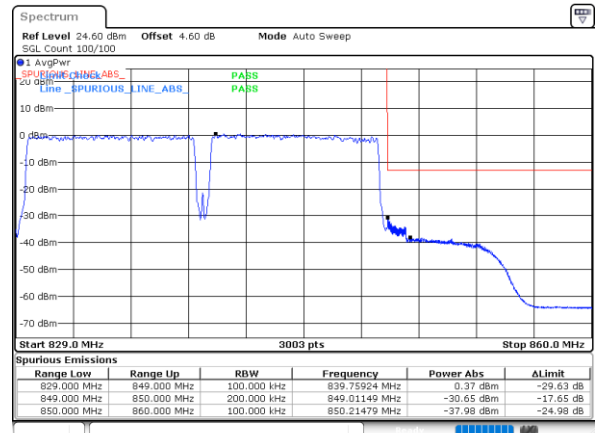
Date: 1, JAN, 2023 11:23:16

Lowest Band Edge / Full RB



Date: 1, JAN, 2023 10:20:23

Highest Band Edge / Full RB



Date: 1, JAN, 2023 11:07:42



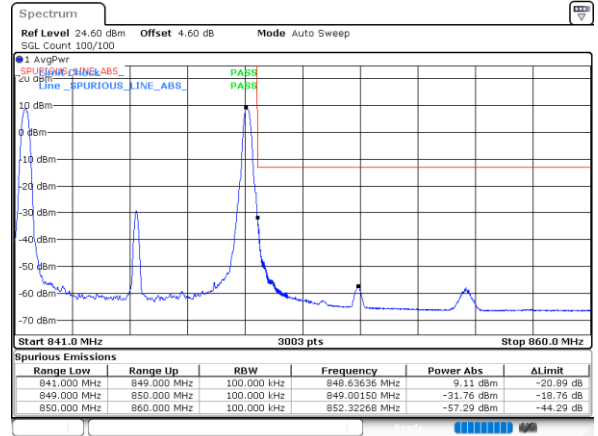
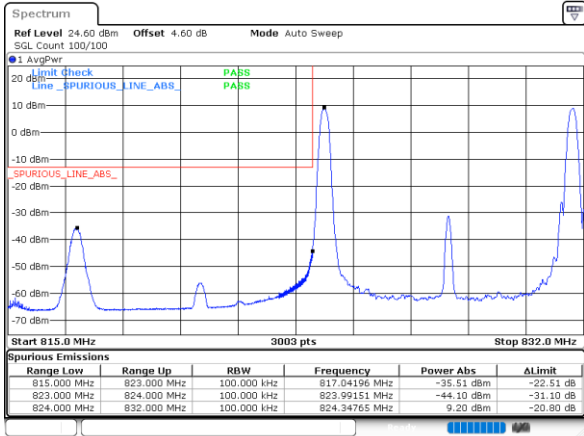


LTE Band 5B / 3MHz+5MHz

256QAM

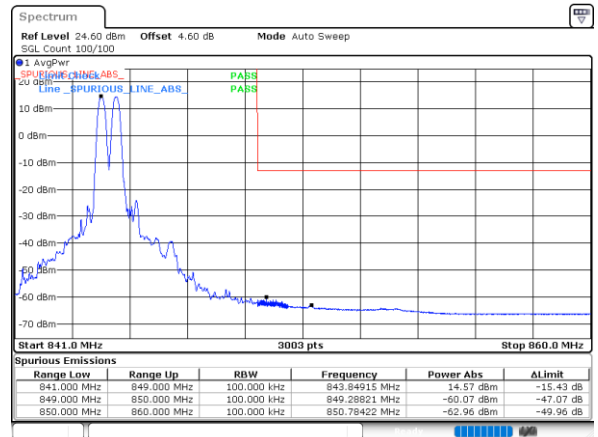
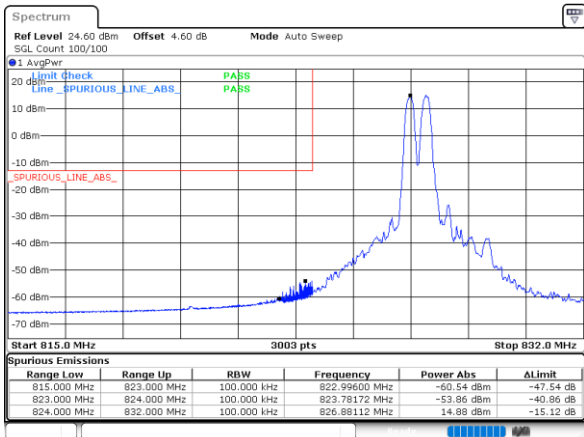
Lowest Band Edge / 1RB0 and 1RB24

Highest Band Edge / 1RB0 and 1RB24



Lowest Band Edge / 1RB14 and 1RB0

Highest Band Edge / 1RB14 and 1RB0



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

