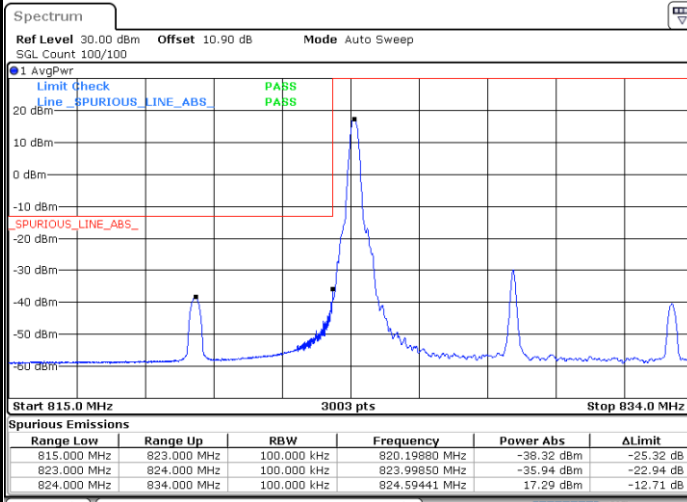




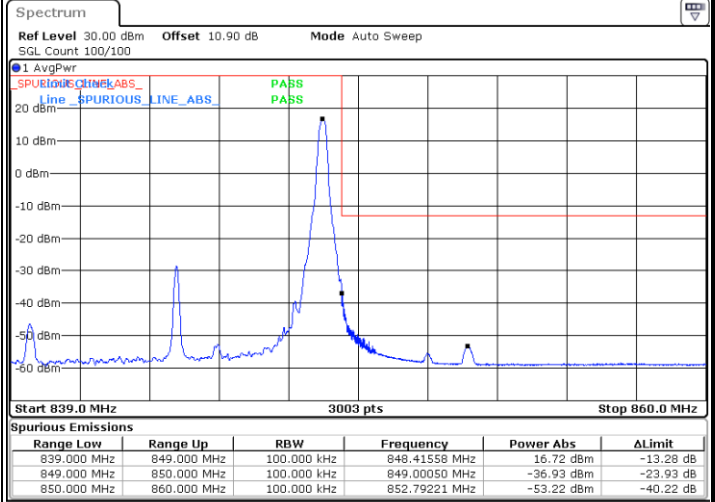
LTE Band 5 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



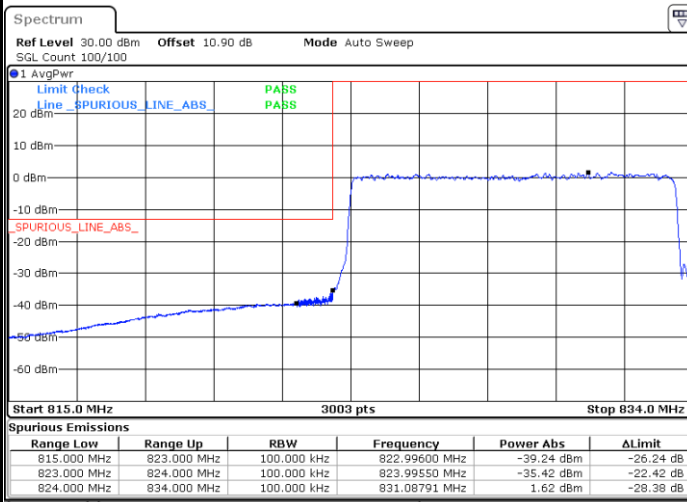
Date: 17.SEP.2022 13:25:30

Highest Band Edge / 1 RB



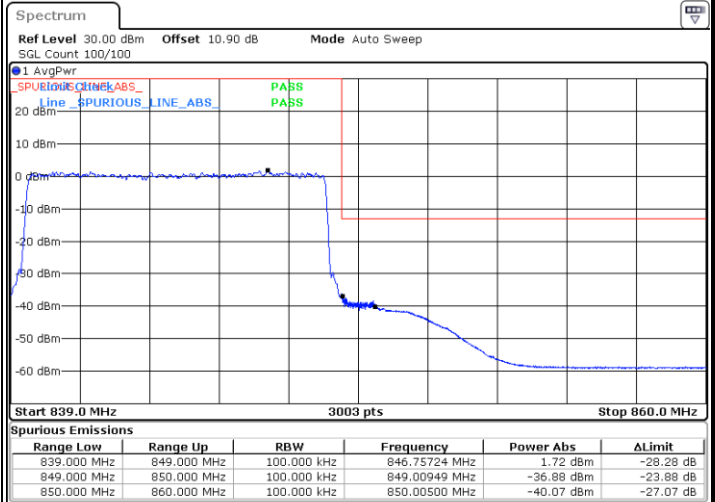
Date: 17.SEP.2022 13:28:14

Lowest Band Edge / Full RB



Date: 17.SEP.2022 13:26:32

Highest Band Edge / Full RB



Date: 17.SEP.2022 13:29:16

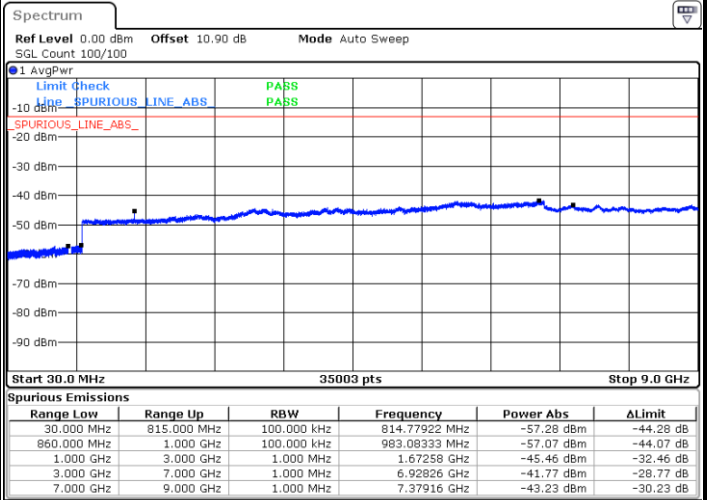
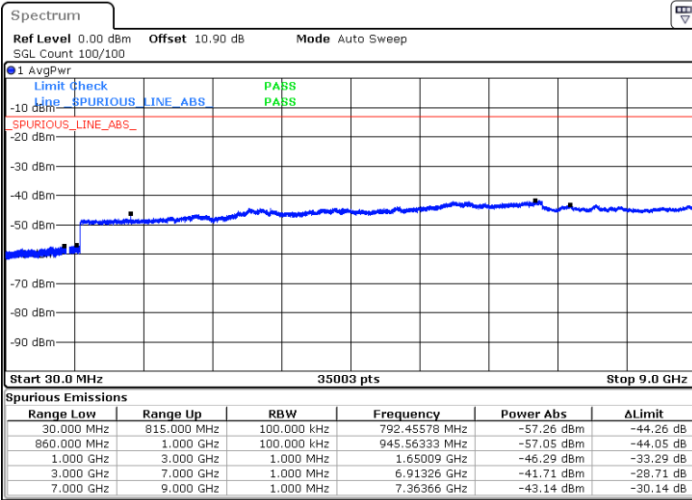


# Conducted Spurious Emission

## LTE Band 5 / 1.4MHz

### Lowest Channel / QPSK

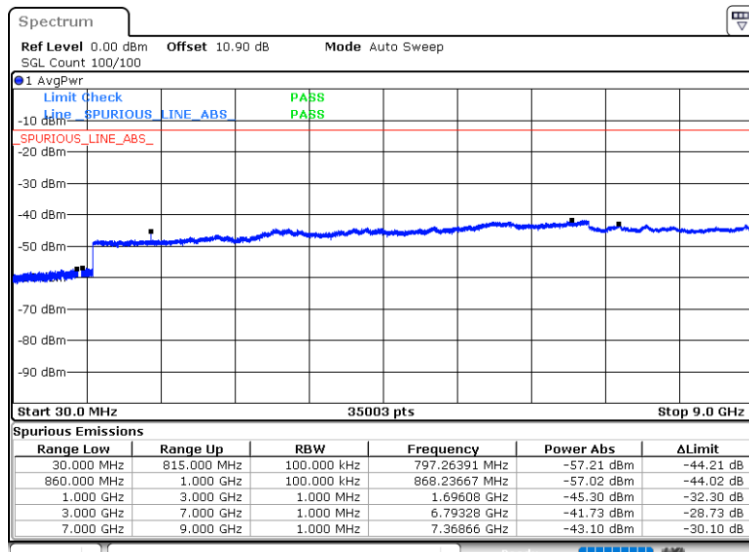
### Middle Channel / QPSK



Date: 17.SEP.2022 11:15:15

Date: 17.SEP.2022 11:18:19

### Highest Channel / QPSK



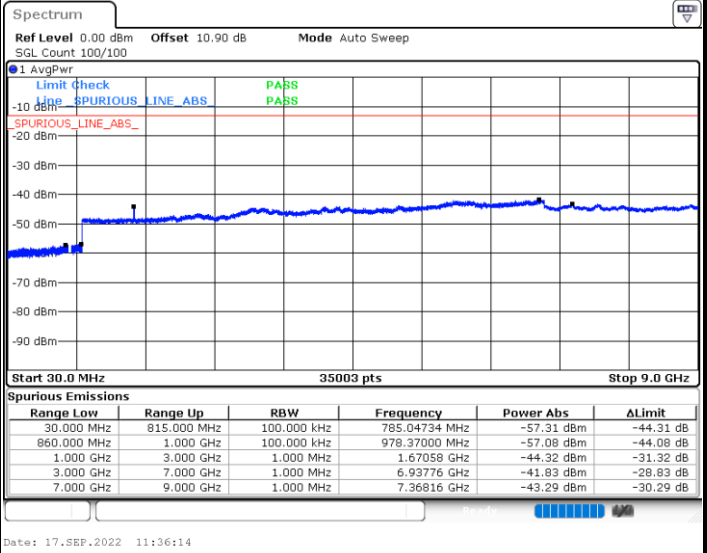
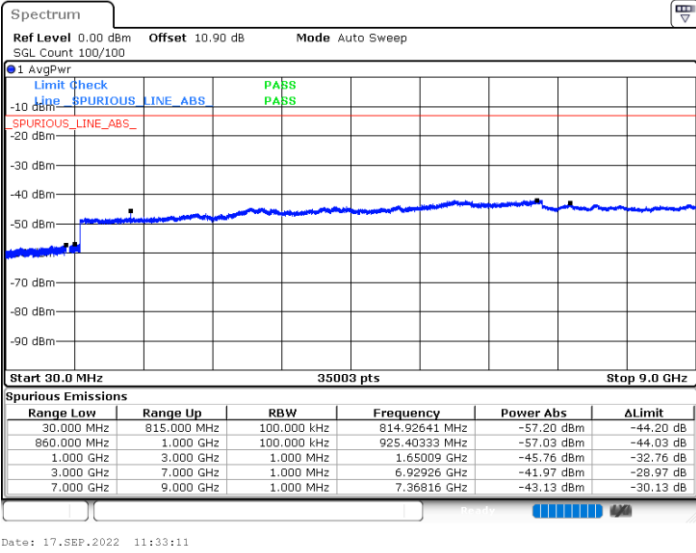
Date: 17.SEP.2022 11:23:23



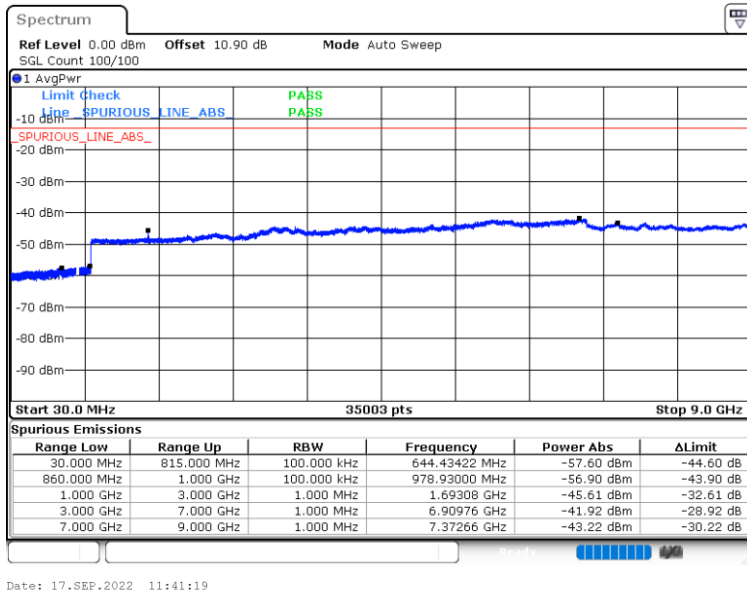
LTE Band 5 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

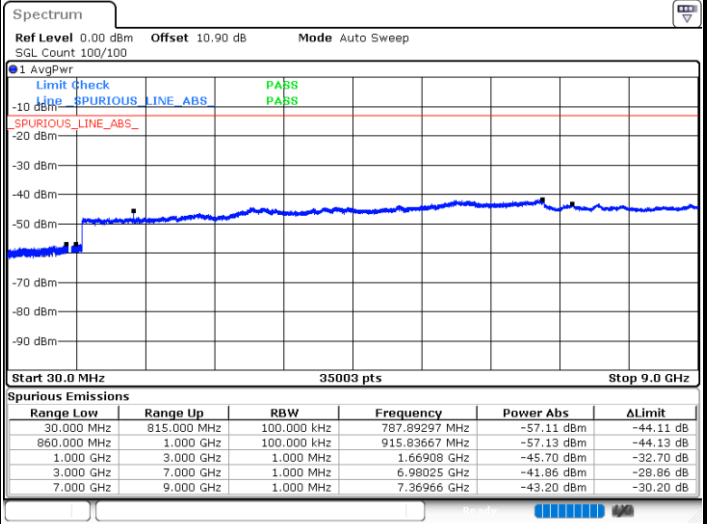
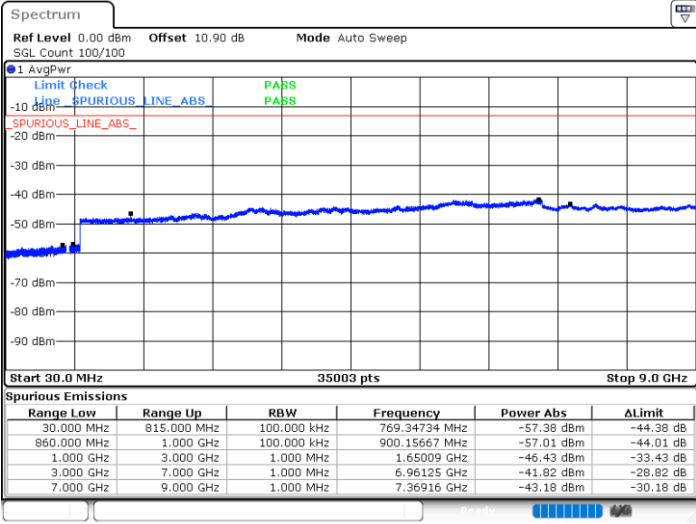




LTE Band 5 / 5MHz

Lowest Channel / QPSK

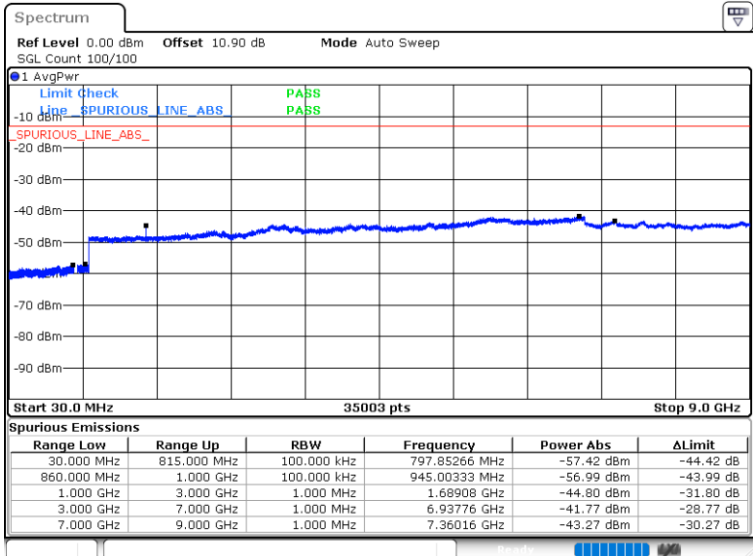
Middle Channel / QPSK



Date: 17.SEP.2022 11:51:07

Date: 17.SEP.2022 11:54:11

Highest Channel / QPSK



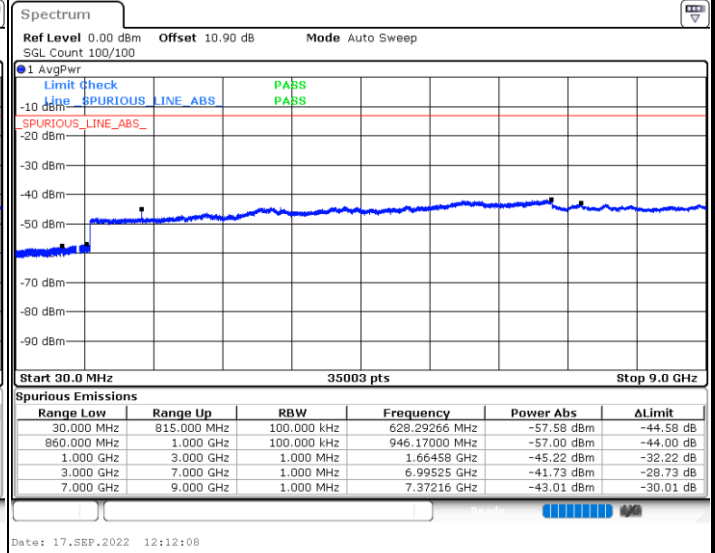
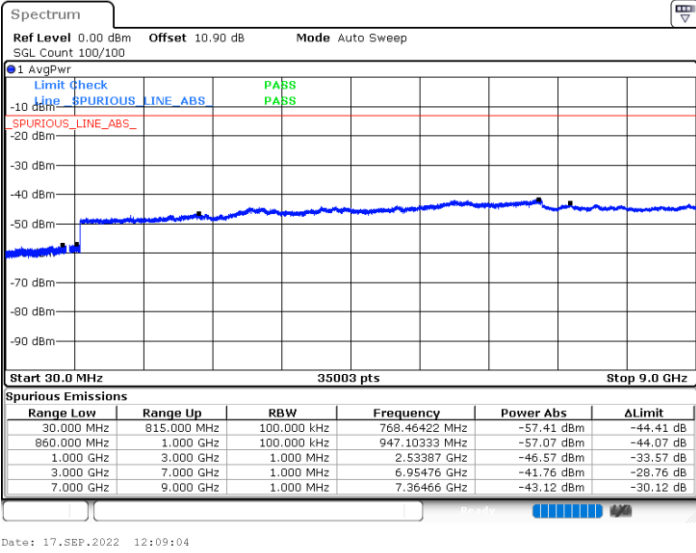
Date: 17.SEP.2022 11:59:15



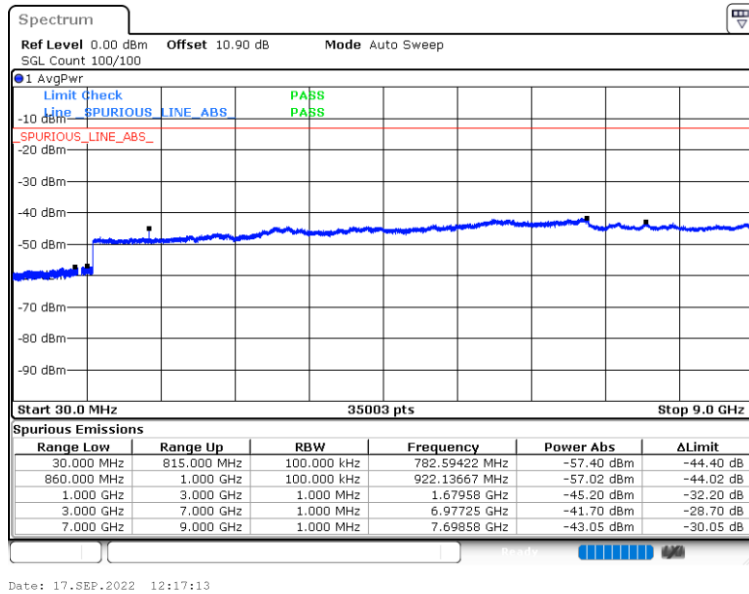
LTE Band 5 / 10MHz

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	0.0066	PASS
40	Normal Voltage	0.0124	
30	Normal Voltage	0.0063	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0065	
0	Normal Voltage	0.0145	
-10	Normal Voltage	0.0104	
-20	Normal Voltage	0.0043	
-30	Normal Voltage	0.0077	
20	Maximum Voltage	0.0074	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0142	

**Note:**

- 1. Normal Voltage = 4.05 V. ; Battery End Point (BEP) = 3.85 V. ; Maximum Voltage = 4.35 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	8.14	8.09	14.48
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.69	19.86	-

Mode	LTE Band 5B : 26dB BW(MHz)		
16QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	8.07	8.14	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	8.12	8.25	14.51
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.60	19.78	-

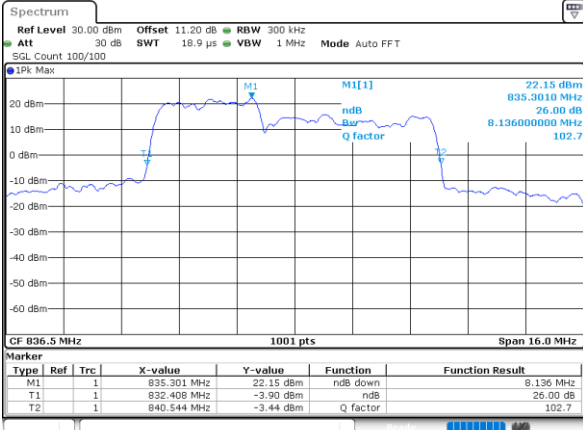
Mode	LTE Band 5B : 26dB BW(MHz)		
256QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	8.10	8.14	14.48
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.69	19.74	-



LTE Band 5B

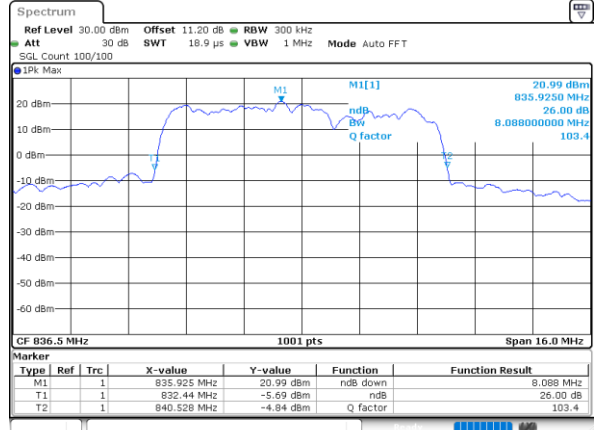
QPSK

Middle Channel / 3MHz+5MHz



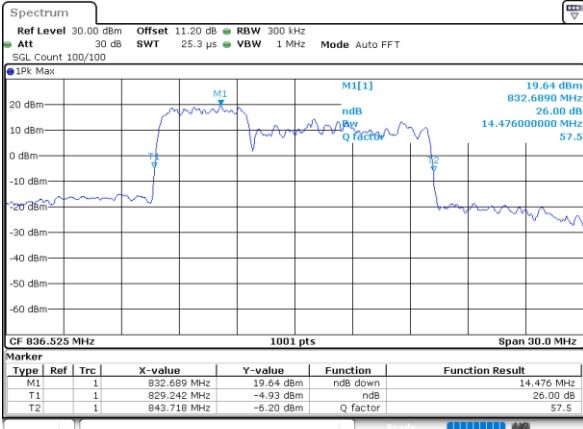
Date: 27\_SEP.2022 01:50:09

Middle Channel / 5MHz+3MHz



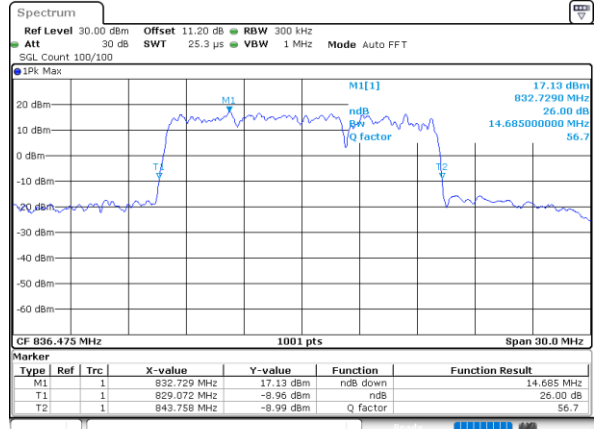
Date: 27\_SEP.2022 05:04:43

Middle Channel / 5MHz+10MHz



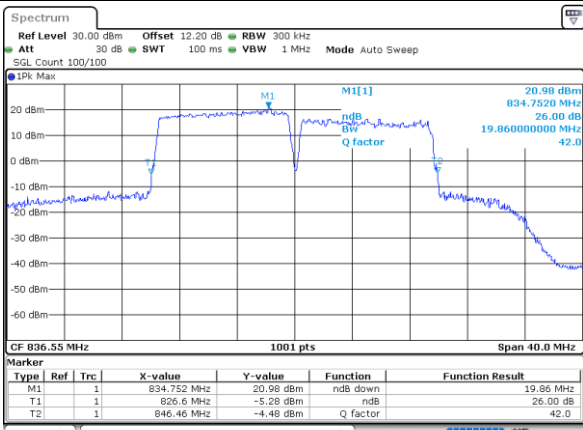
Date: 27\_SEP.2022 05:45:03

Middle Channel / 10MHz+5MHz



Date: 27\_SEP.2022 06:17:35

Middle Channel / 10MHz+10MHz



Date: 13\_OCT.2022 13:43:24

N/A

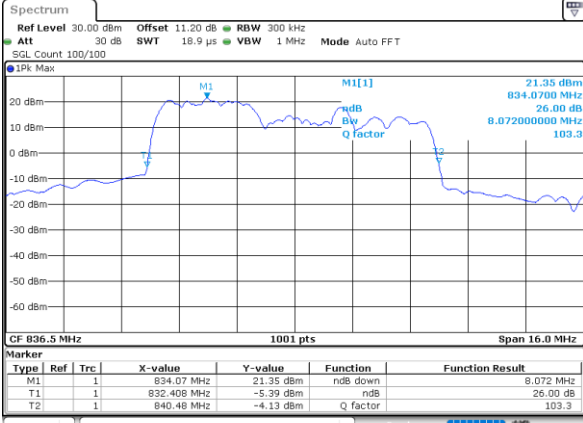




LTE Band 5B

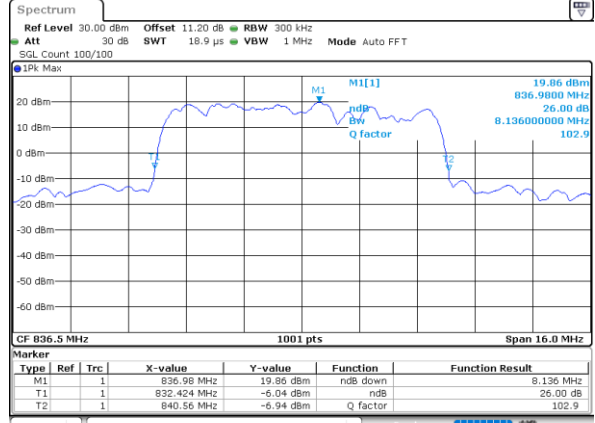
16QAM

Middle Channel / 3MHz+5MHz



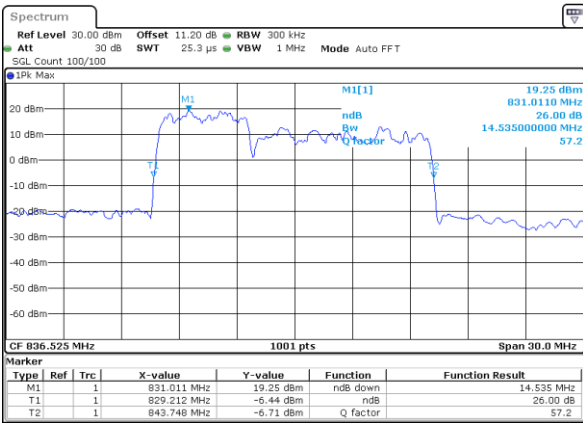
Date: 27\_SEP.2022 01:50:47

Middle Channel / 5MHz+3MHz



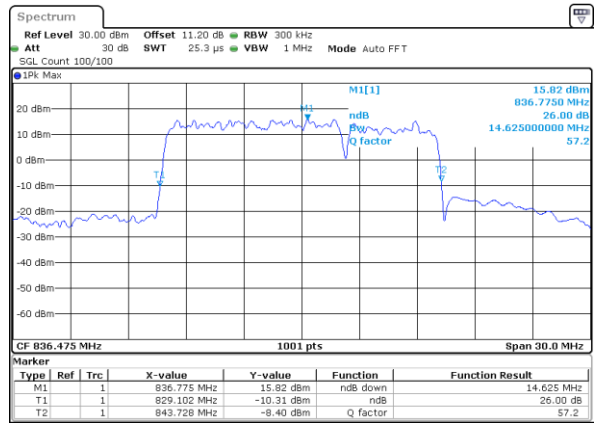
Date: 27\_SEP.2022 05:05:21

Middle Channel / 5MHz+10MHz



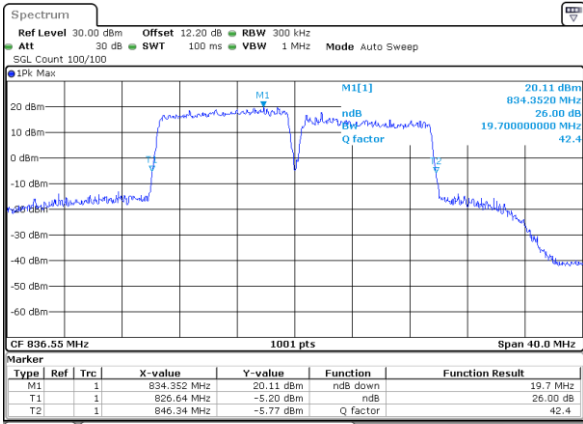
Date: 27\_SEP.2022 05:45:41

Middle Channel / 10MHz+5MHz



Date: 27\_SEP.2022 06:18:13

Middle Channel / 10MHz+10MHz



Date: 13\_OCT.2022 13:44:00

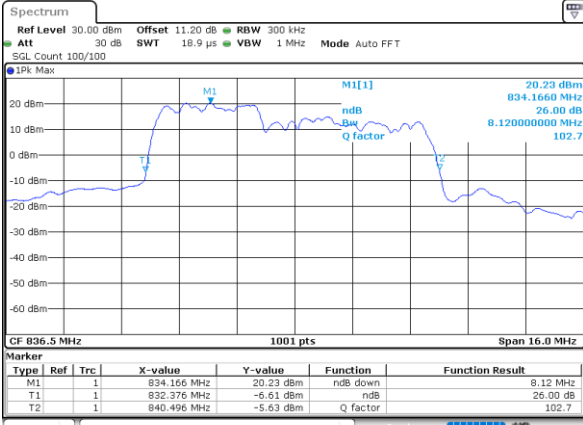
N/A



LTE Band 5B

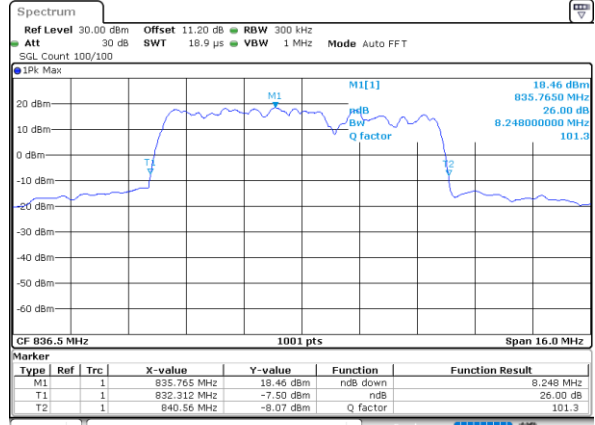
64QAM

Middle Channel / 3MHz+5MHz



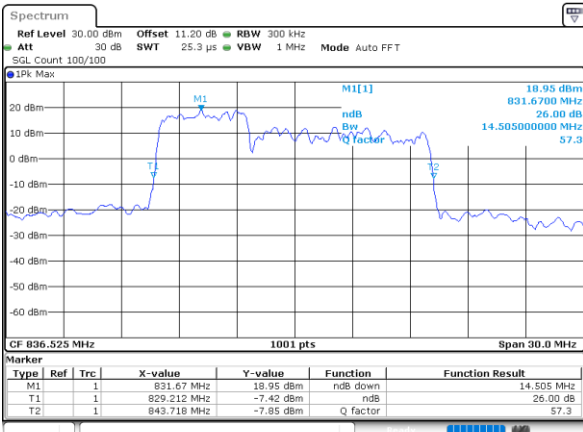
Date: 27\_SEP.2022 01:52:43

Middle Channel / 5MHz+3MHz



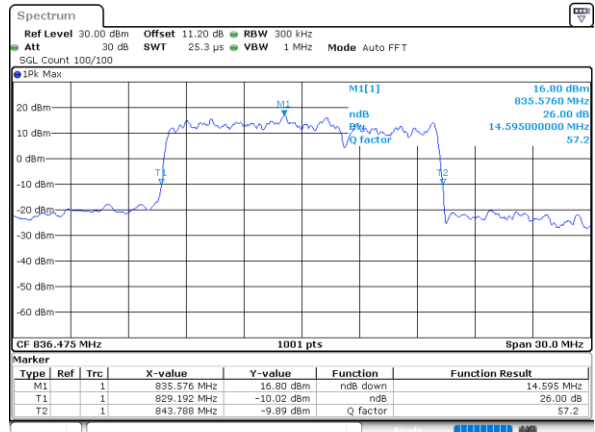
Date: 27\_SEP.2022 05:07:15

Middle Channel / 5MHz+10MHz



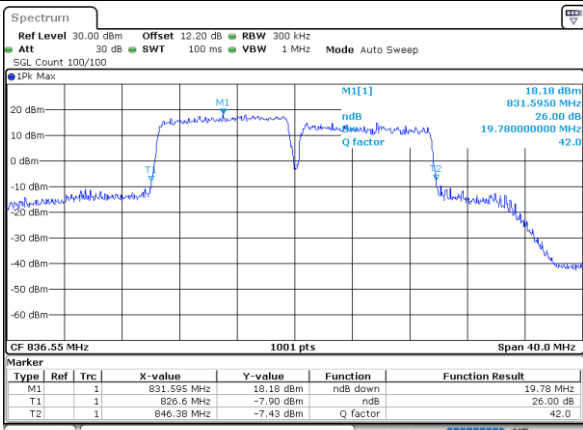
Date: 27\_SEP.2022 05:47:35

Middle Channel / 10MHz+5MHz



Date: 27\_SEP.2022 06:20:07

Middle Channel / 10MHz+10MHz



Date: 13\_OCT.2022 13:44:36

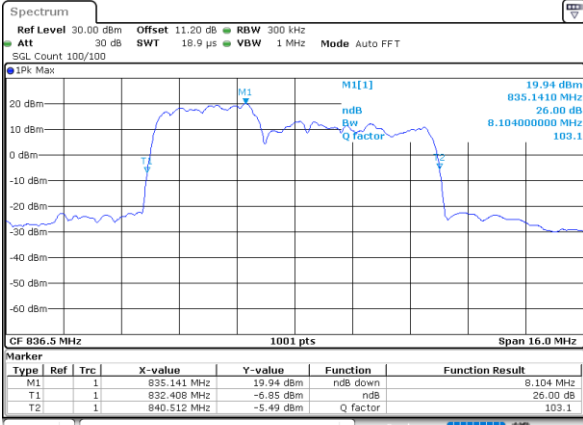
N/A



LTE Band 5B

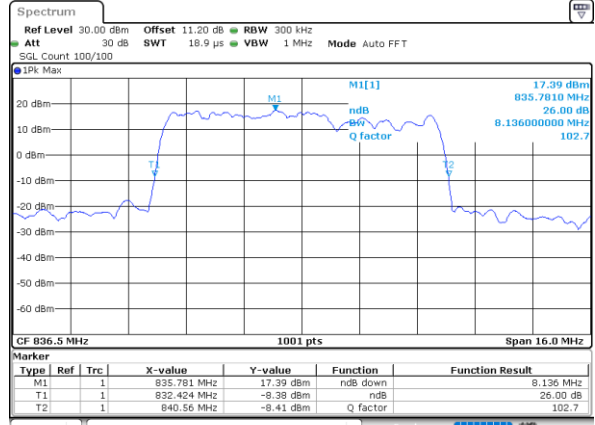
256QAM

Middle Channel / 3MHz+5MHz



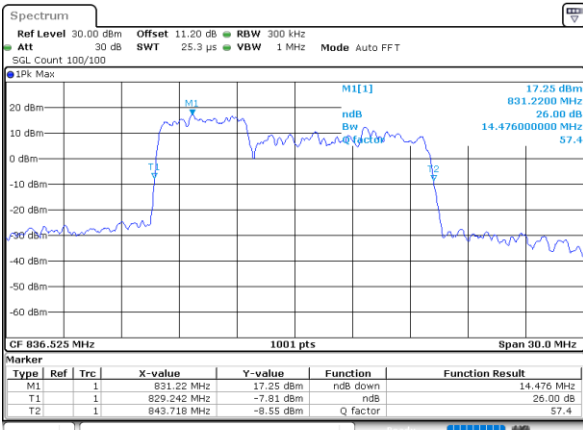
Date: 27\_SEP.2022 01:53:19

Middle Channel / 5MHz+3MHz



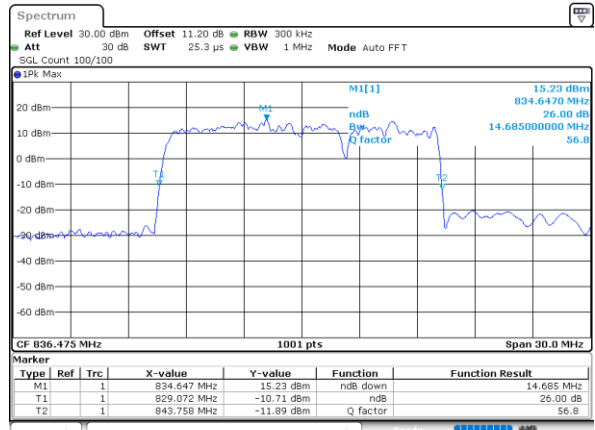
Date: 27\_SEP.2022 05:07:56

Middle Channel / 5MHz+10MHz



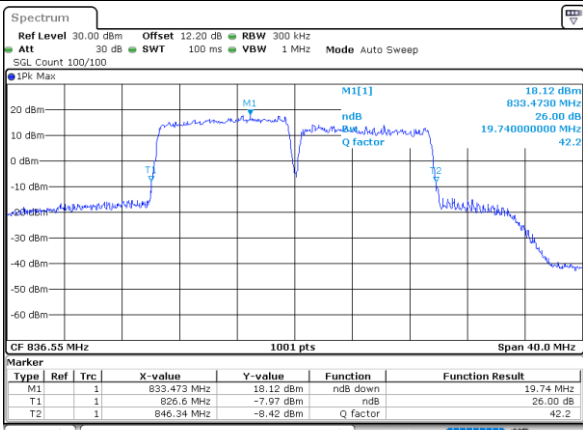
Date: 27\_SEP.2022 05:48:13

Middle Channel / 10MHz+5MHz



Date: 27\_SEP.2022 06:20:45

Middle Channel / 10MHz+10MHz



Date: 13\_OCT.2022 13:45:12

N/A



### Occupied Bandwidth

Mode	LTE Band 5B : 99%OBW(MHz)		
QPSK			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.54	7.59	13.97
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.88	18.66	-

Mode	LTE Band 5B : 99%OBW(MHz)		
16QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.59	7.53	13.85
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	7.46	7.48	13.79
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.85	18.58	-

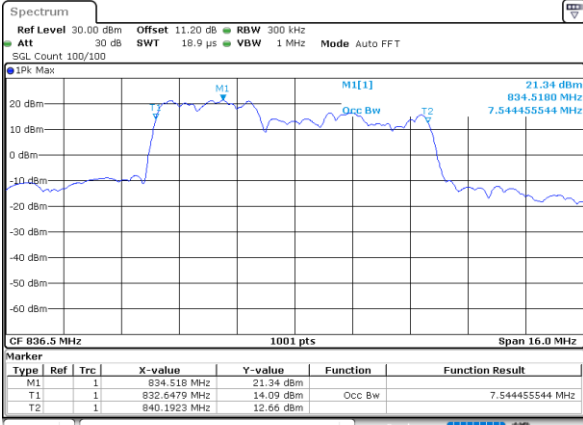
Mode	LTE Band 5B : 99%OBW(MHz)		
254QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.50	7.51	13.82
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.73	18.58	-



LTE Band 5B

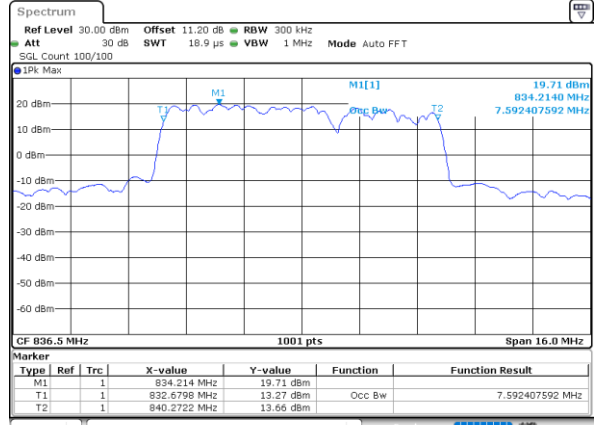
QPSK

Middle Channel / 3MHz+5MHz



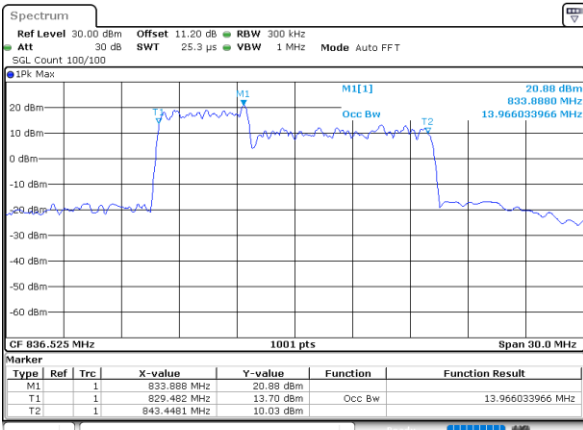
Date: 27\_SEP.2022 09:09:06

Middle Channel / 5MHz+3MHz



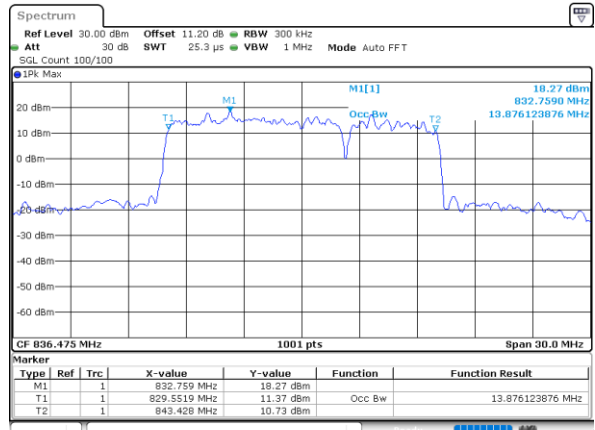
Date: 27\_SEP.2022 09:32:47

Middle Channel / 5MHz+10MHz



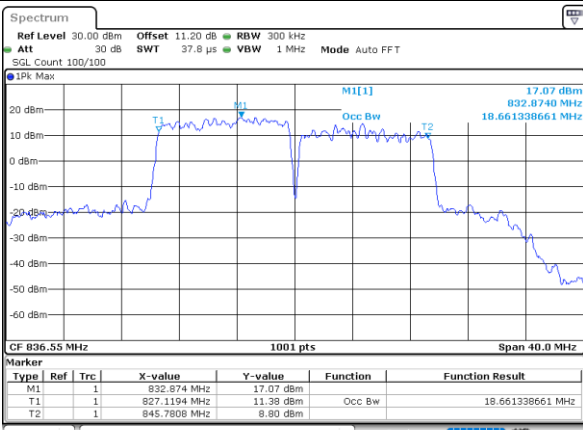
Date: 27\_SEP.2022 09:56:24

Middle Channel / 10MHz+5MHz



Date: 27\_SEP.2022 10:20:05

Middle Channel / 10MHz+10MHz



Date: 27\_SEP.2022 10:42:40

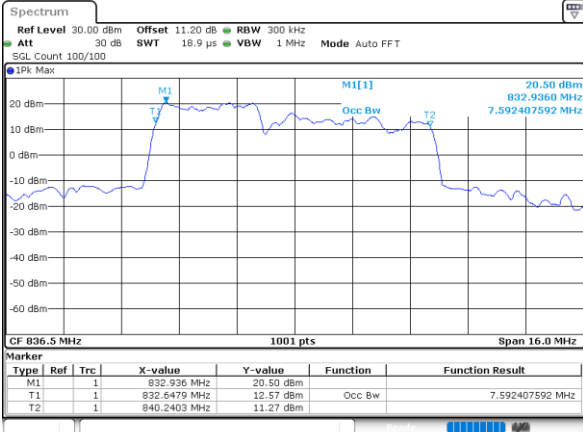
N/A



LTE Band 5B

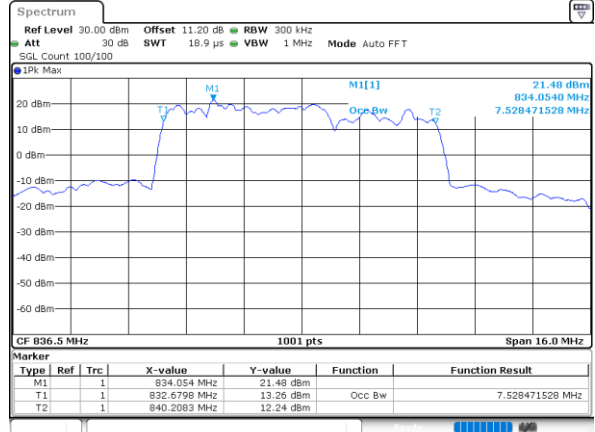
16QAM

Middle Channel / 3MHz+5MHz



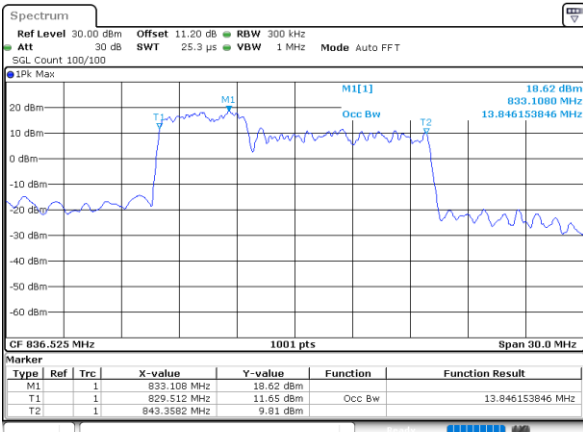
Date: 27\_SEP.2022 09:09:44

Middle Channel / 5MHz+3MHz



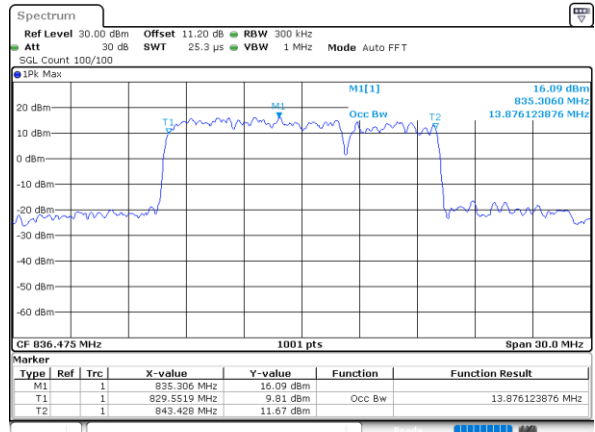
Date: 27\_SEP.2022 09:13:26

Middle Channel / 5MHz+10MHz



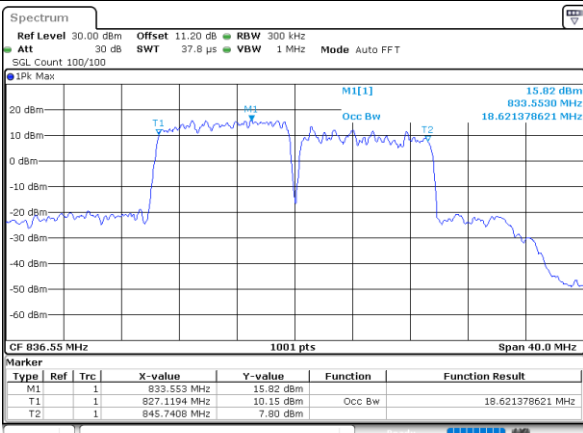
Date: 27\_SEP.2022 09:57:02

Middle Channel / 10MHz+5MHz



Date: 27\_SEP.2022 10:20:43

Middle Channel / 10MHz+10MHz



Date: 27\_SEP.2022 10:43:13

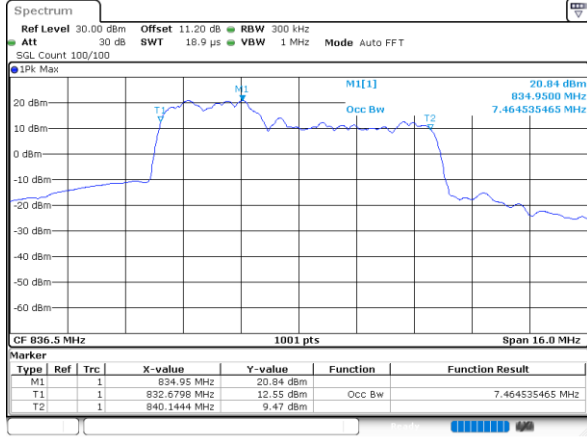
N/A



LTE Band 5B

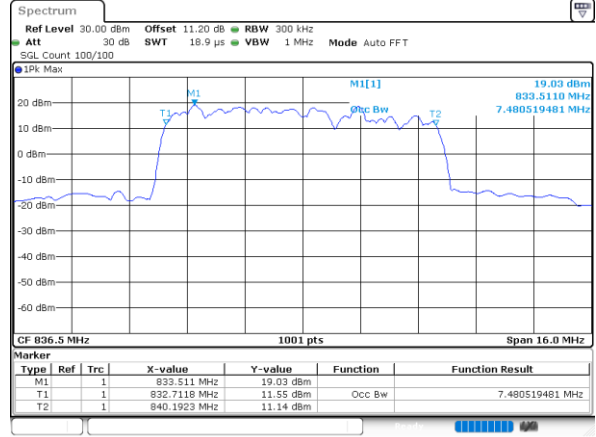
64QAM

Middle Channel / 3MHz+5MHz



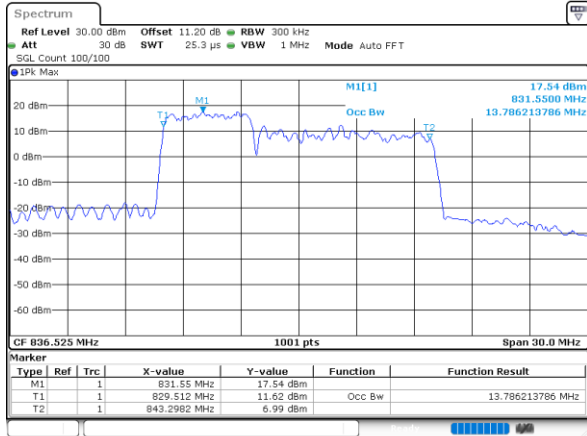
Date: 27\_SEP.2022 09:10:23

Middle Channel / 5MHz+3MHz



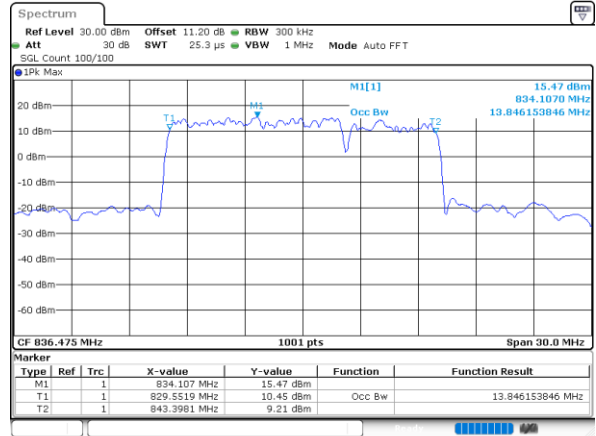
Date: 27\_SEP.2022 09:13:04

Middle Channel / 5MHz+10MHz



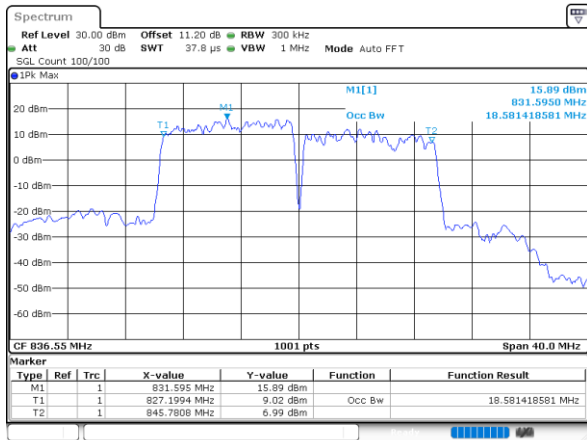
Date: 27\_SEP.2022 09:57:40

Middle Channel / 10MHz+5MHz



Date: 27\_SEP.2022 10:21:25

Middle Channel / 10MHz+10MHz



Date: 27\_SEP.2022 10:43:46

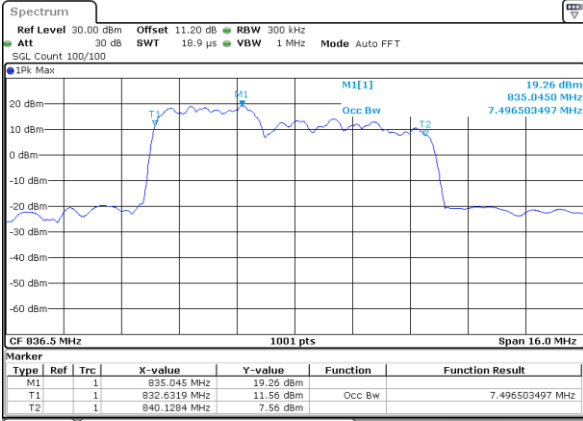
N/A



LTE Band 5B

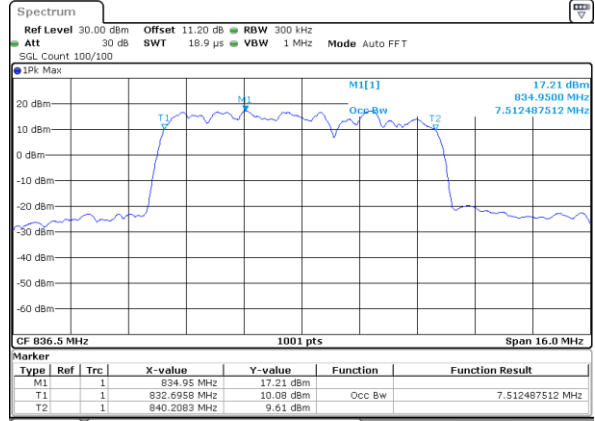
256QAM

Middle Channel / 3MHz+5MHz



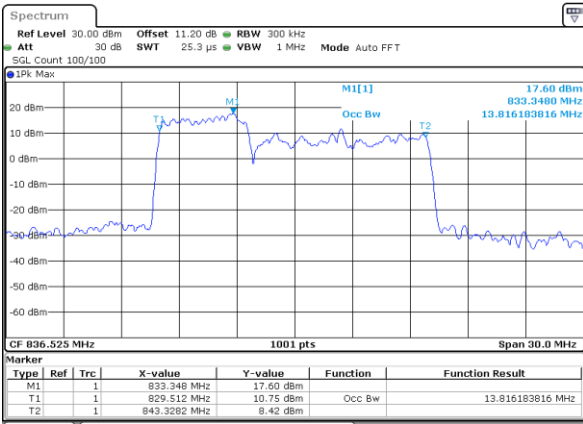
Date: 27\_SEP.2022 09:11:04

Middle Channel / 5MHz+3MHz



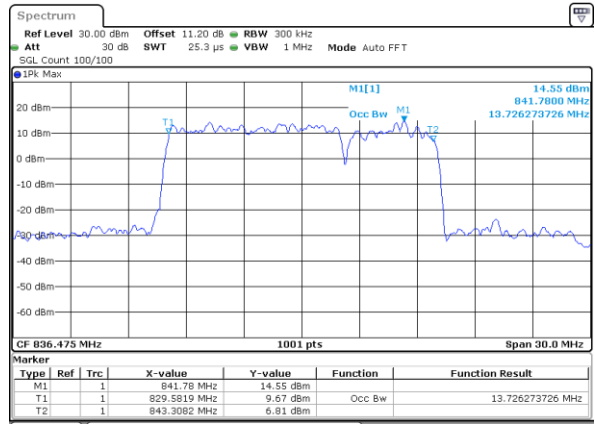
Date: 27\_SEP.2022 09:13:42

Middle Channel / 5MHz+10MHz



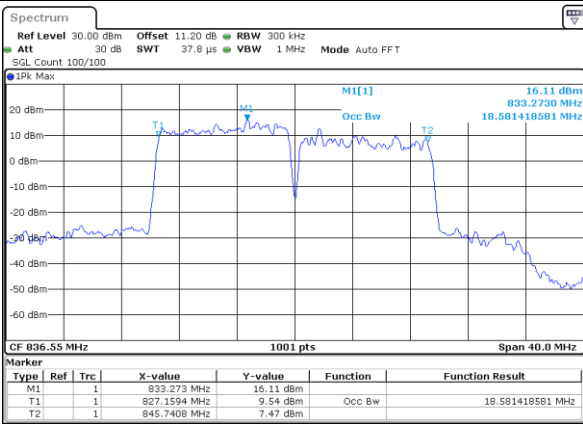
Date: 27\_SEP.2022 09:58:18

Middle Channel / 10MHz+5MHz



Date: 27\_SEP.2022 10:22:03

Middle Channel / 10MHz+10MHz



Date: 27\_SEP.2022 10:44:19

N/A



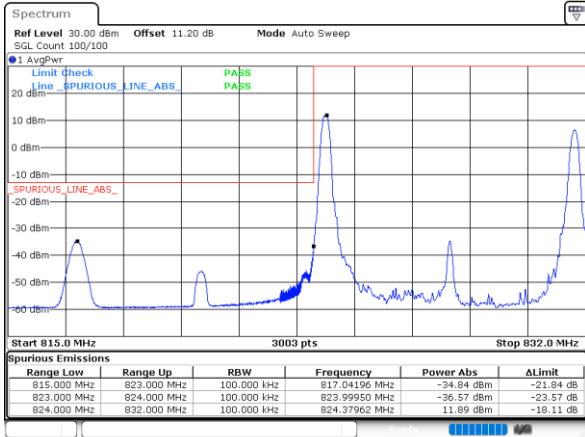


# Conducted Band Edge

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

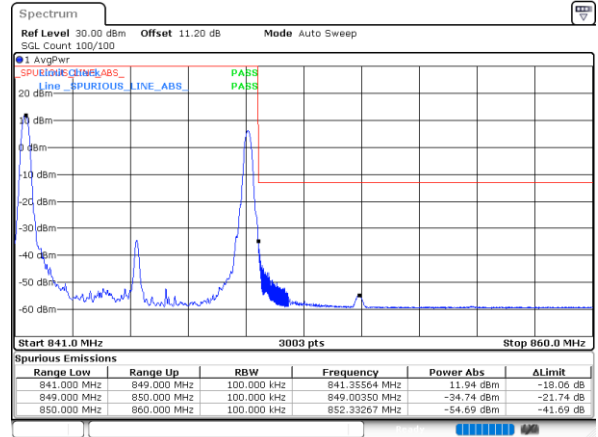
### QPSK

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



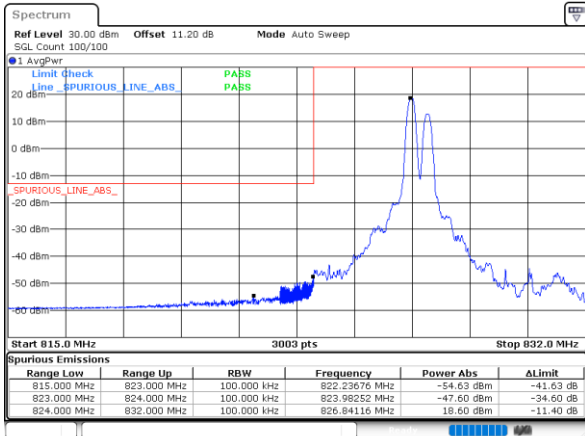
Date: 27\_SEP.2022 01:20:37

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



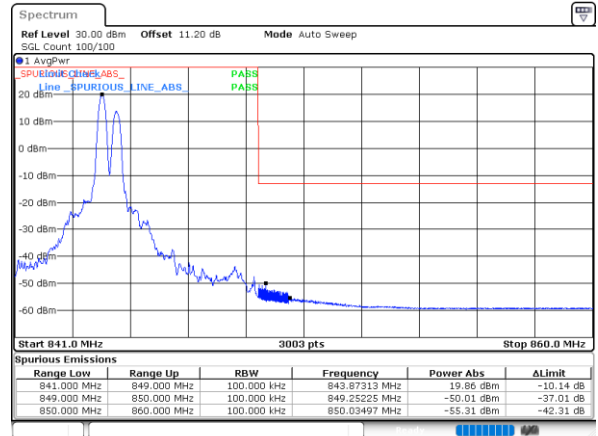
Date: 27\_SEP.2022 01:37:03

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



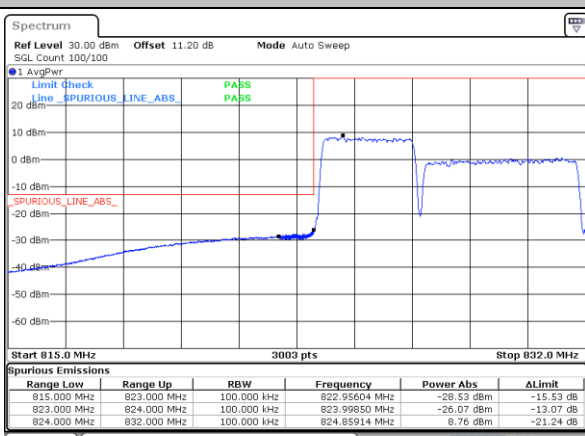
Date: 27\_SEP.2022 01:25:08

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



Date: 27\_SEP.2022 01:41:32

#### Lowest Band Edge / Full RB



Date: 27\_SEP.2022 01:14:50

#### Highest Band Edge / Full RB



Date: 27\_SEP.2022 01:31:06

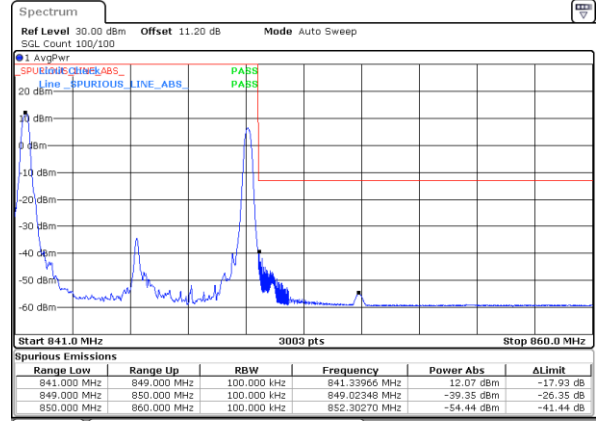
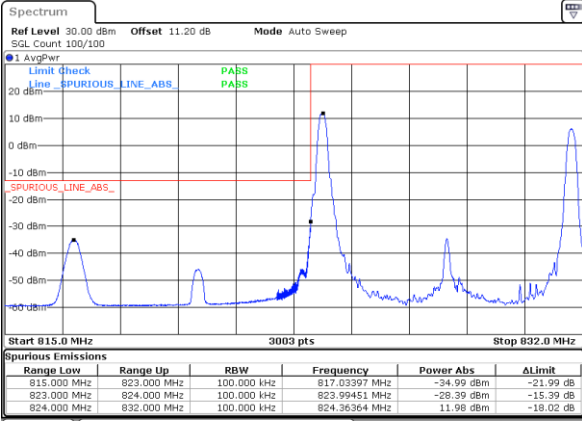


LTE Band 5B / 5MHz+3MHz

QPSK

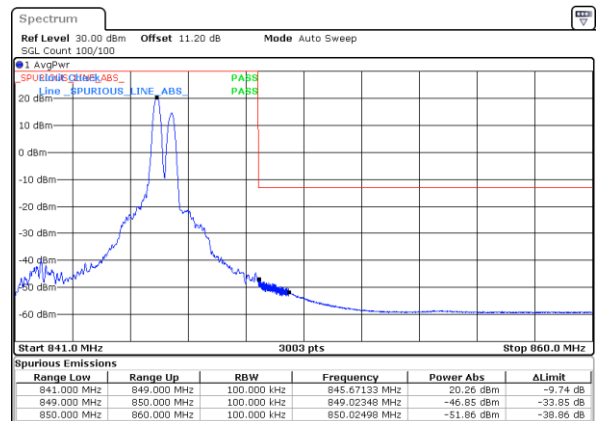
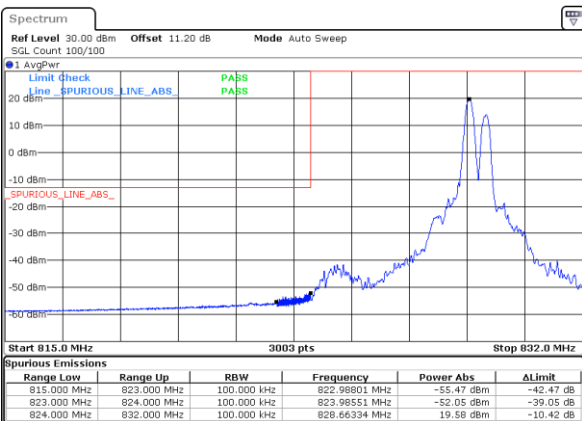
Lowest Band Edge / 1RB0 and 1RB14

Highest Band Edge / 1RB0 and 1RB14



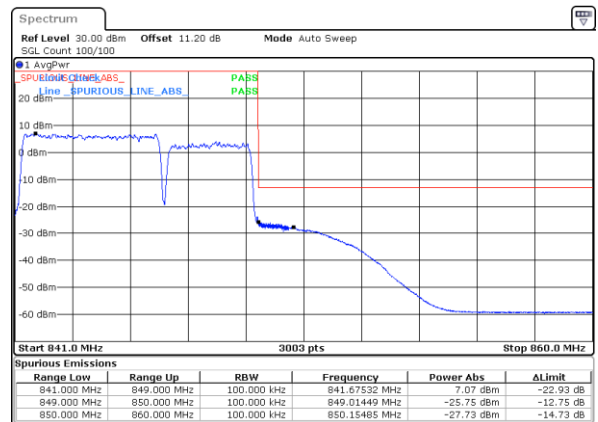
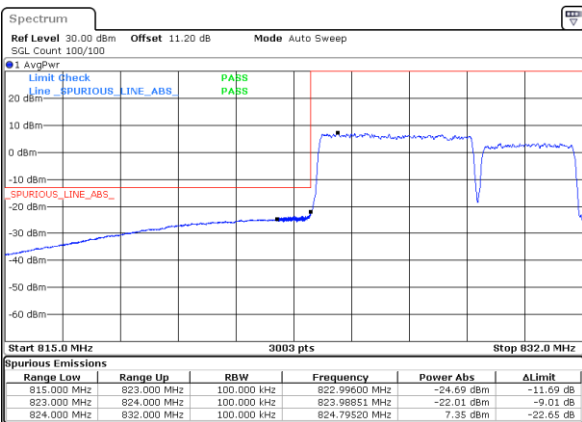
Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0



Lowest Band Edge / Full RB

Highest Band Edge / Full RB



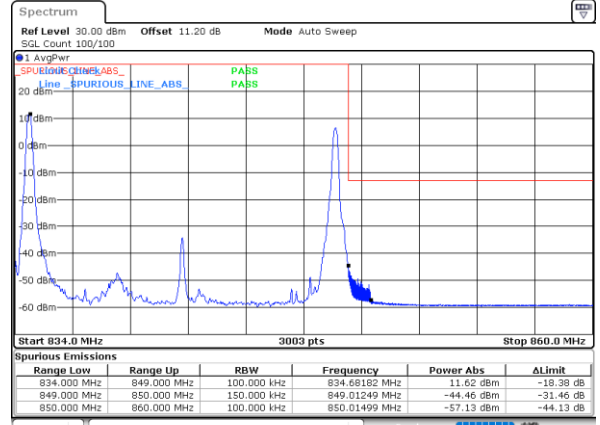
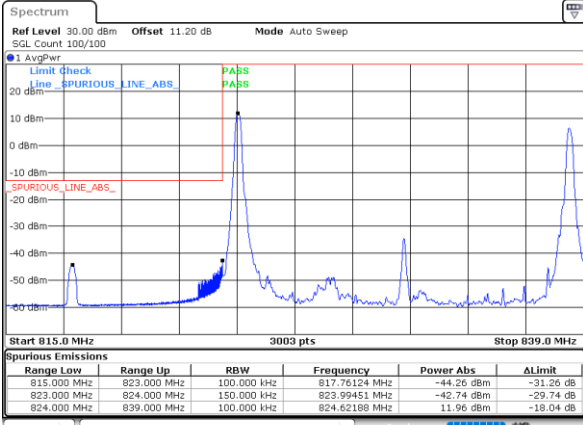


LTE Band 5B / 5MHz+10MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

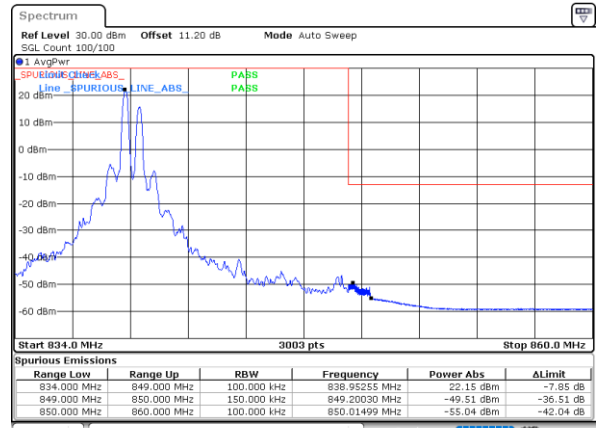
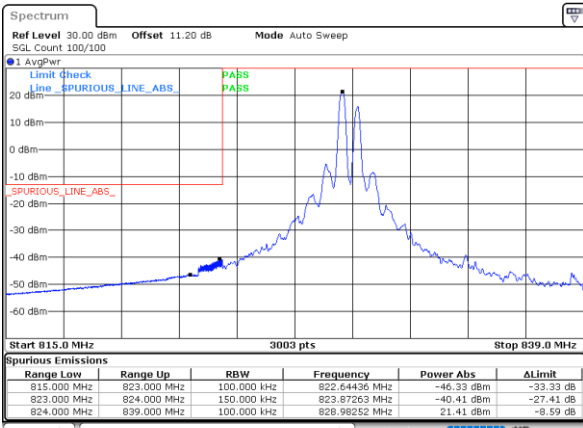


Date: 27\_SEP.2022 05:15:19

Date: 27\_SEP.2022 05:15:51

Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0

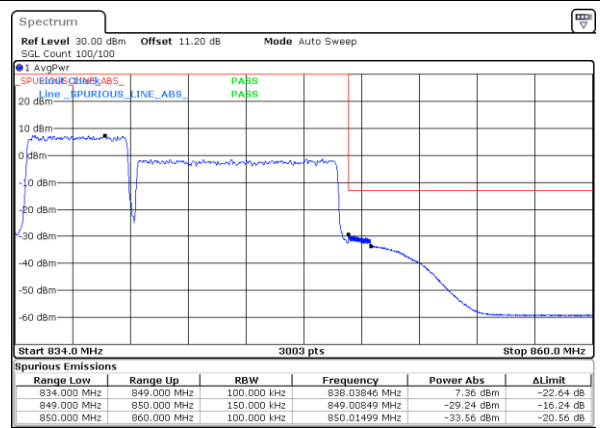
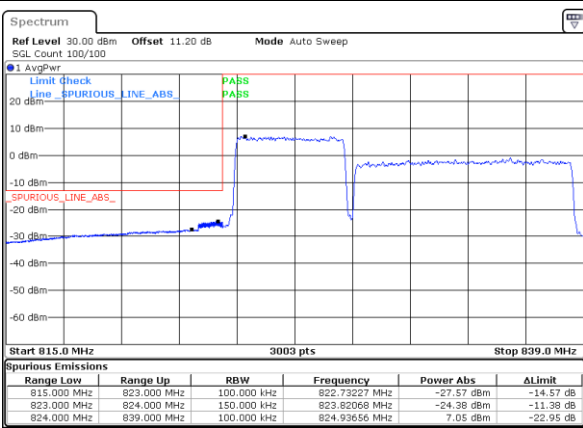


Date: 27\_SEP.2022 05:20:10

Date: 27\_SEP.2022 05:36:28

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27\_SEP.2022 05:09:49

Date: 27\_SEP.2022 05:26:05

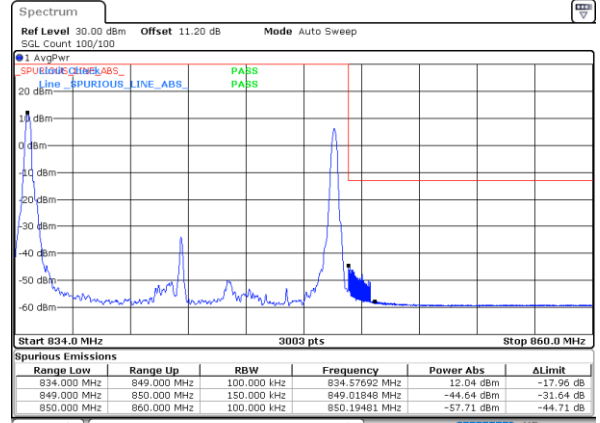
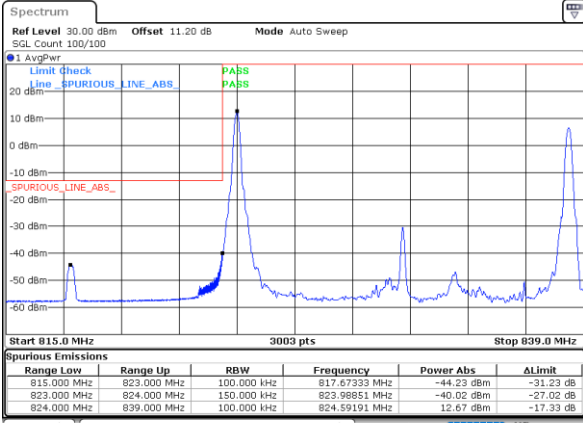


LTE Band 5B / 10MHz+5MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB24

Highest Band Edge / 1RB0 and 1RB24

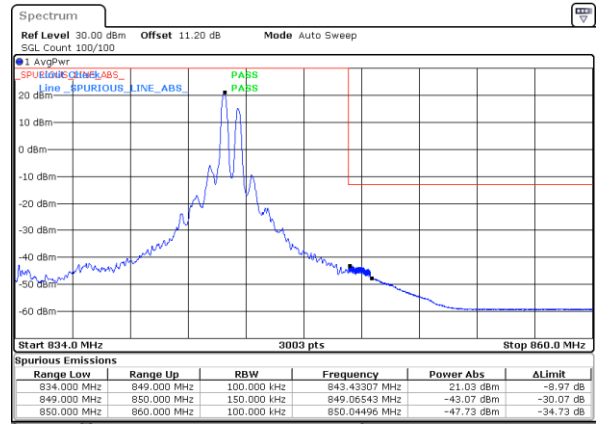
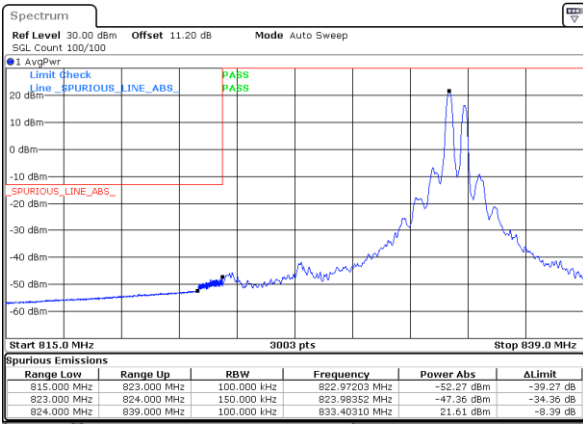


Date: 13.OCT.2022 11:46:12

Date: 27.SEP.2022 06:04:22

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

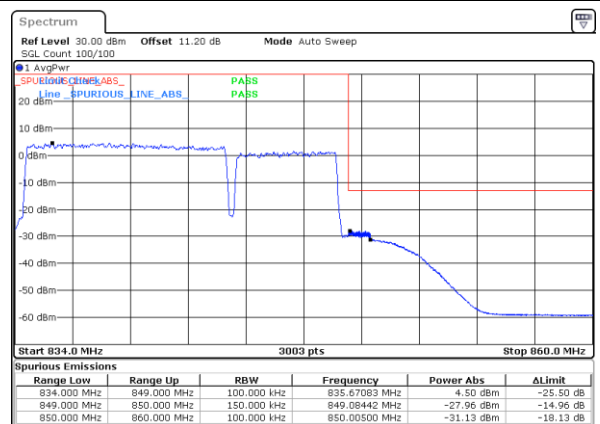
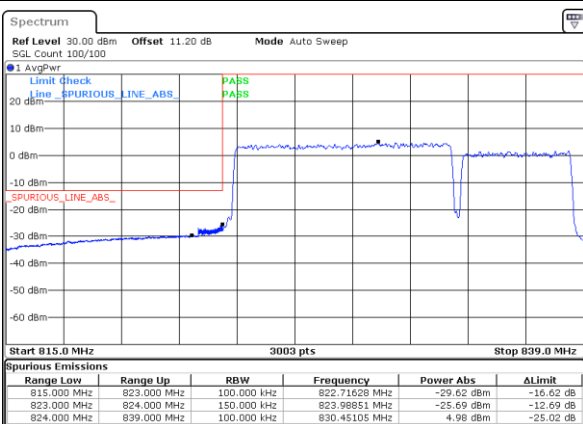


Date: 27.SEP.2022 05:52:32

Date: 27.SEP.2022 06:08:56

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.OCT.2022 11:41:59

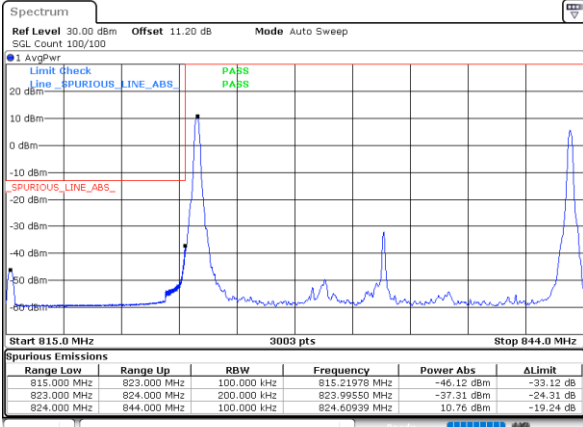
Date: 27.SEP.2022 05:58:29



LTE Band 5B / 10MHz+10MHz

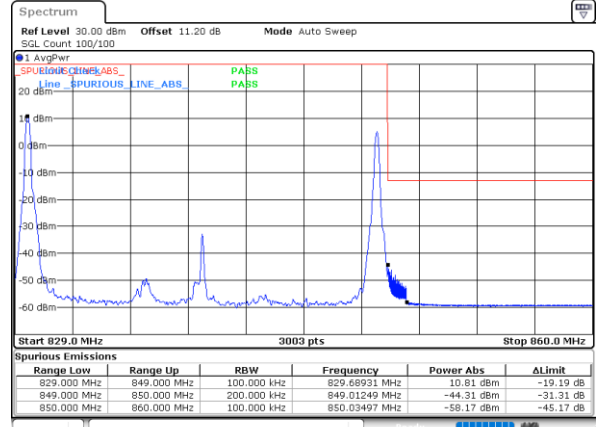
QPSK

Lowest Band Edge / 1RB0 and 1RB49



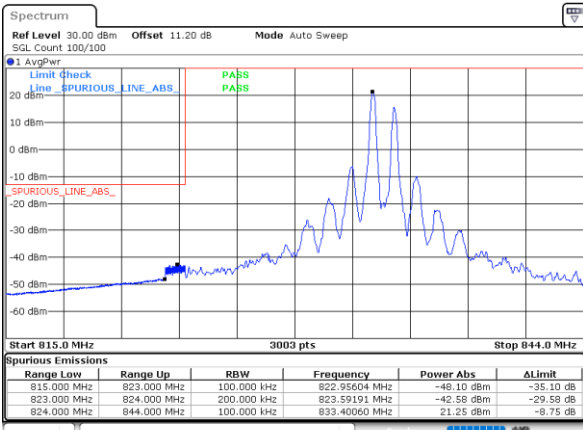
Date: 27\_SEP.2022 06:27:57

Highest Band Edge / 1RB0 and 1RB49



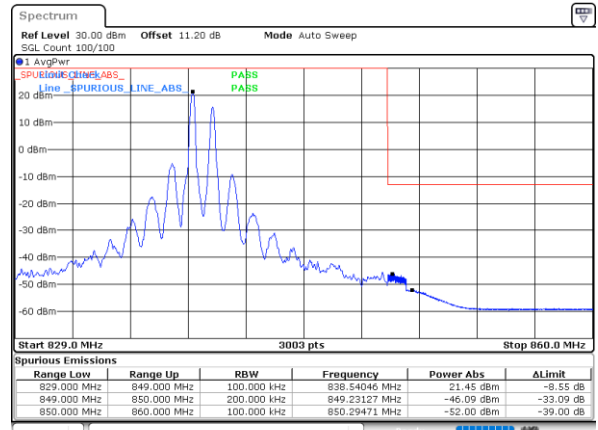
Date: 27\_SEP.2022 06:42:59

Lowest Band Edge / 1RB49 and 1RB0



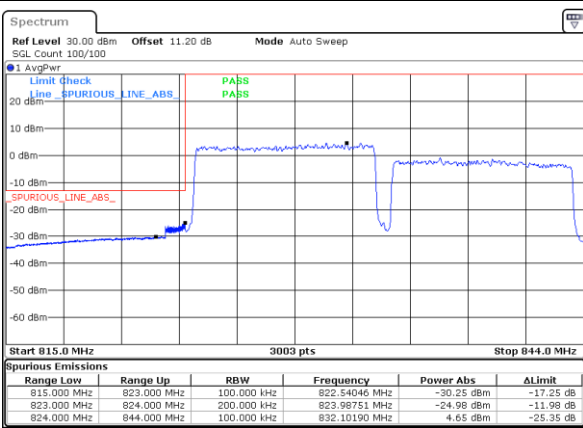
Date: 27\_SEP.2022 06:32:07

Highest Band Edge / 1RB49 and 1RB0



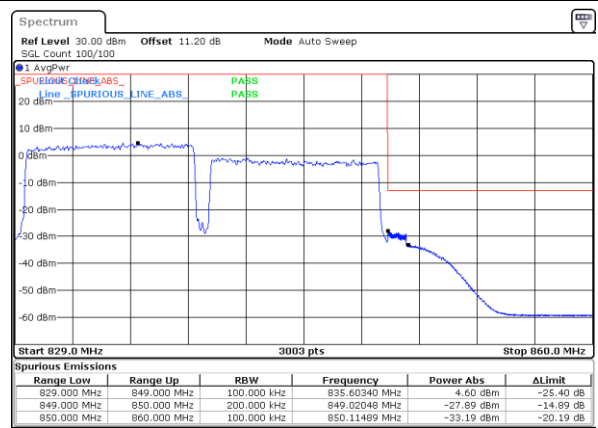
Date: 27\_SEP.2022 06:47:08

Lowest Band Edge / Full RB



Date: 27\_SEP.2022 06:22:32

Highest Band Edge / Full RB



Date: 27\_SEP.2022 06:37:35

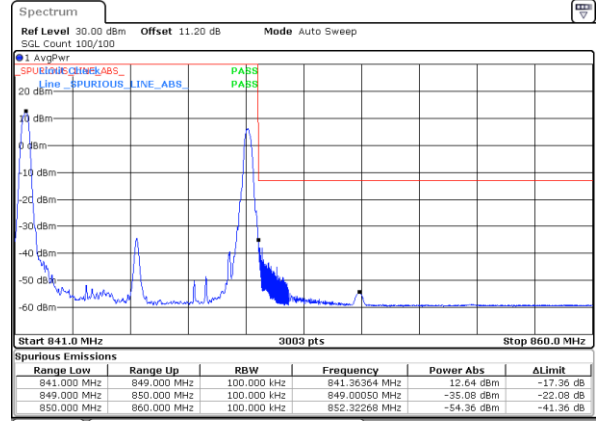
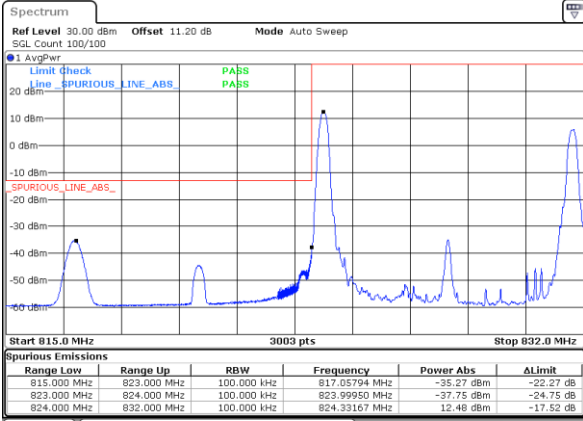


LTE Band 5B / 3MHz+5MHz

16QAM

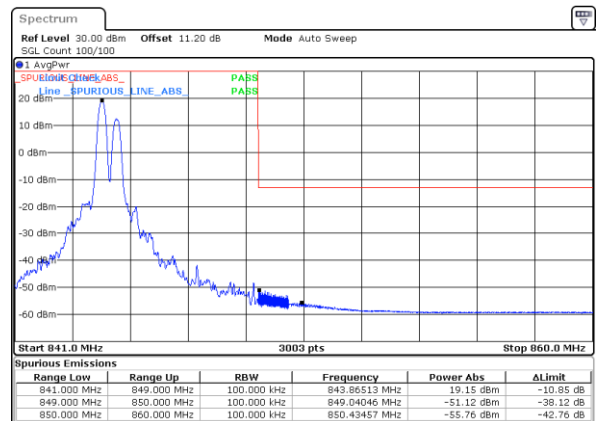
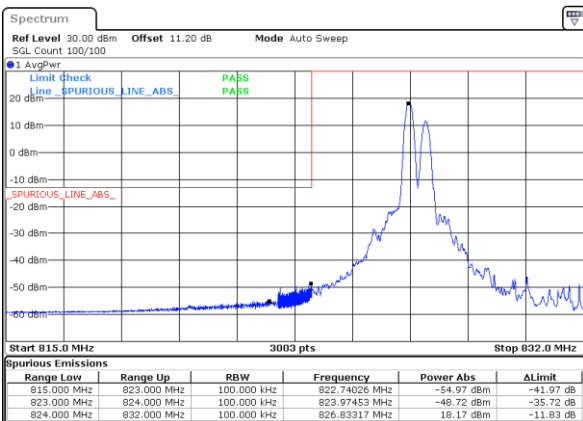
Lowest Band Edge / 1RB0 and 1RB24

Highest Band Edge / 1RB0 and 1RB24



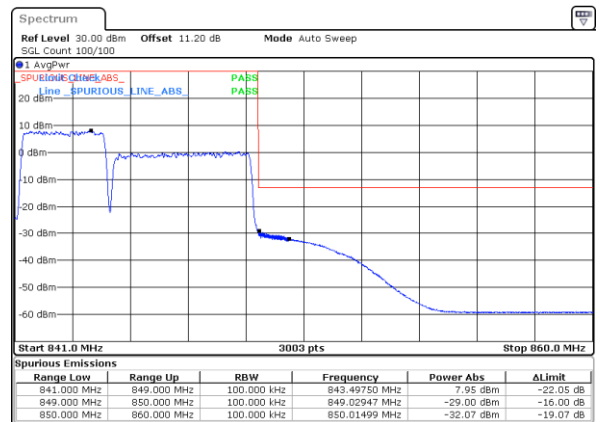
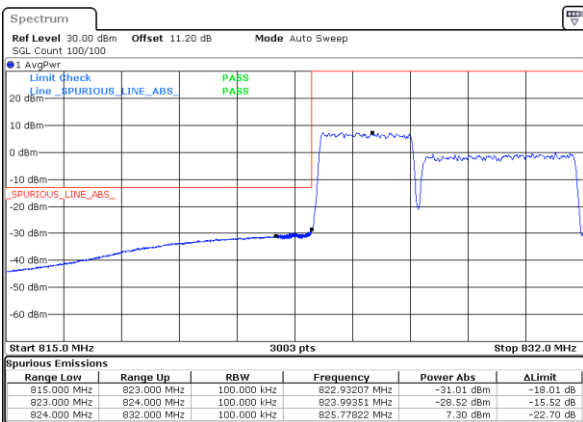
Lowest Band Edge / 1RB14 and 1RB0

Highest Band Edge / 1RB14 and 1RB0



Lowest Band Edge / Full RB

Highest Band Edge / Full RB



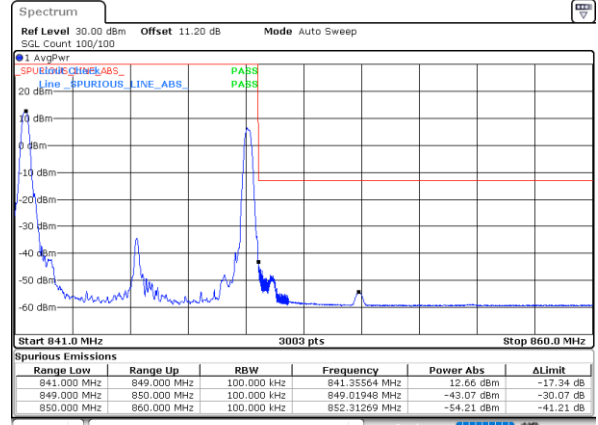
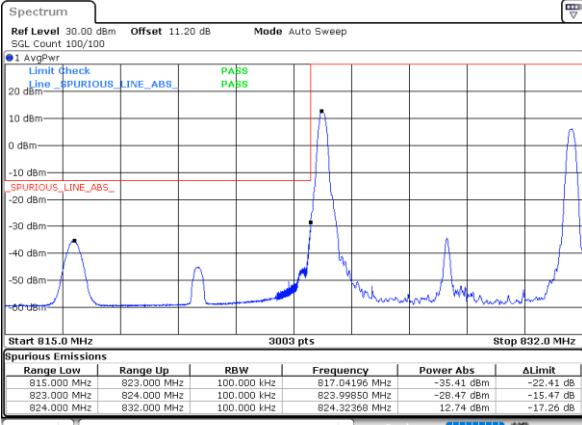


LTE Band 5B / 5MHz+3MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB14

Highest Band Edge / 1RB0 and 1RB14

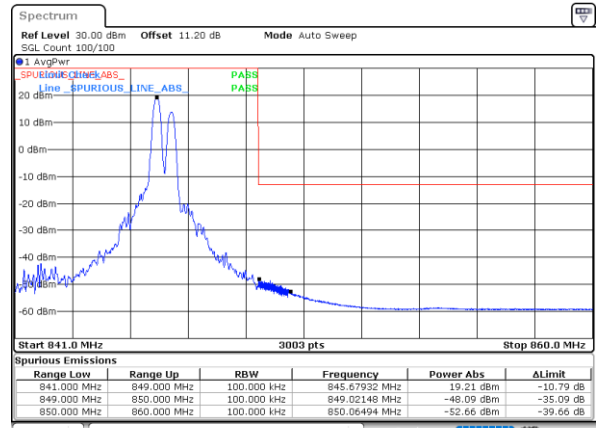
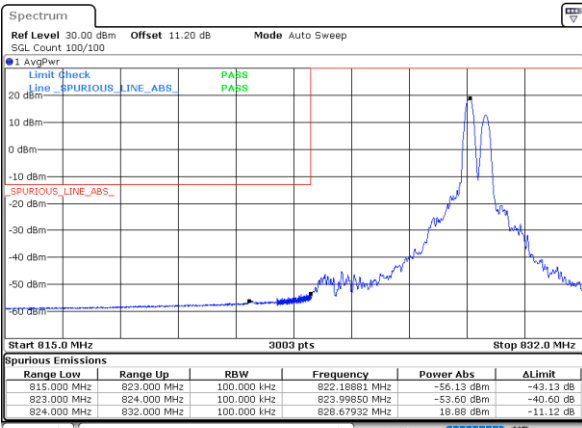


Date: 27\_SEP.2022 02:02:09

Date: 27\_SEP.2022 04:52:39

Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0

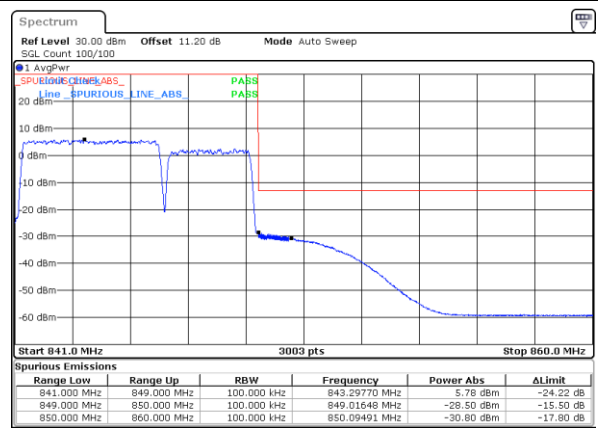
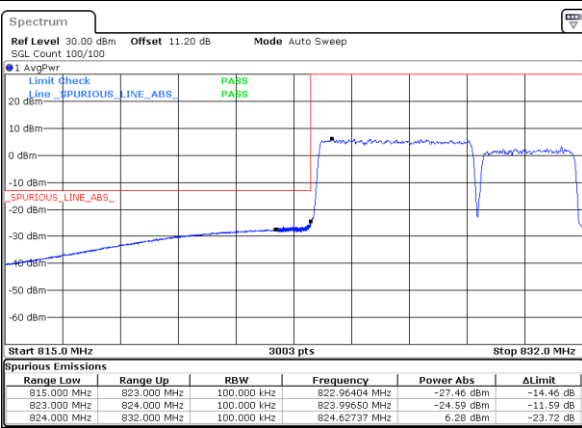


Date: 27\_SEP.2022 02:07:59

Date: 27\_SEP.2022 04:58:28

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27\_SEP.2022 01:56:22

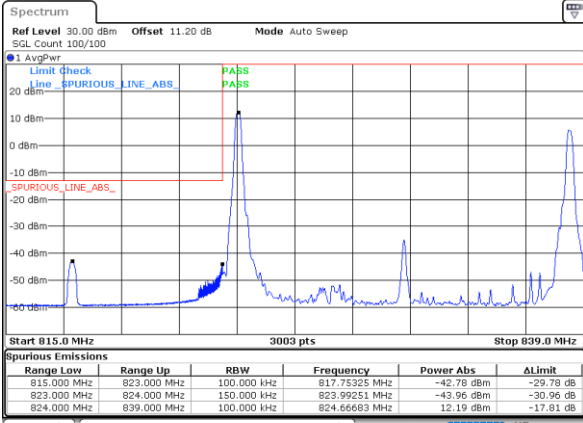
Date: 27\_SEP.2022 02:12:40



LTE Band 5B / 5MHz+10MHz

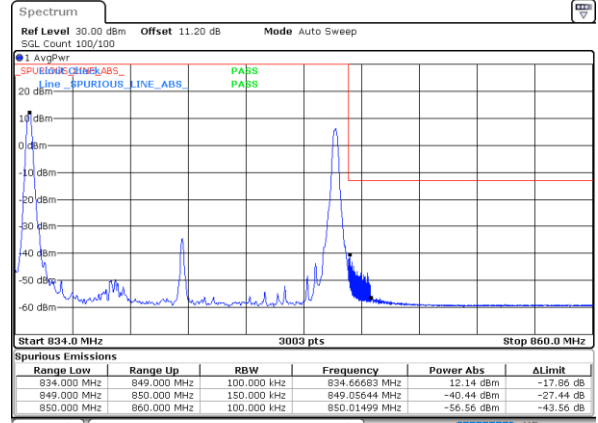
16QAM

Lowest Band Edge / 1RB0 and 1RB49



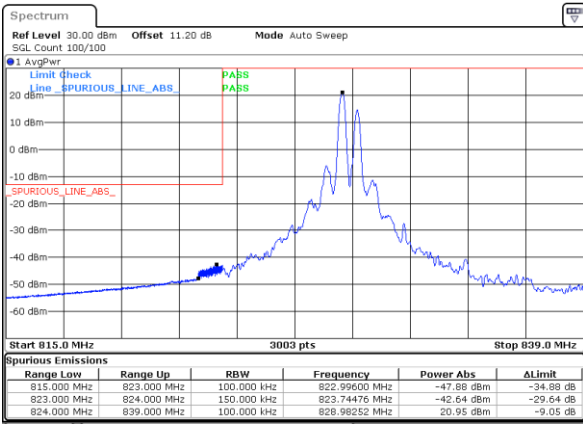
Date: 27\_SEP.2022 05:16:47

Highest Band Edge / 1RB0 and 1RB49



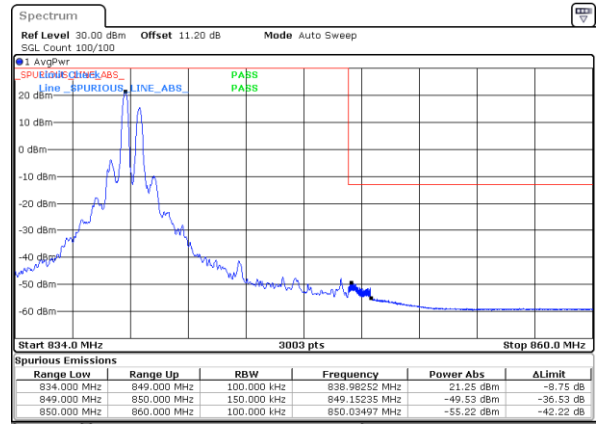
Date: 27\_SEP.2022 05:13:02

Lowest Band Edge / 1RB24 and 1RB0



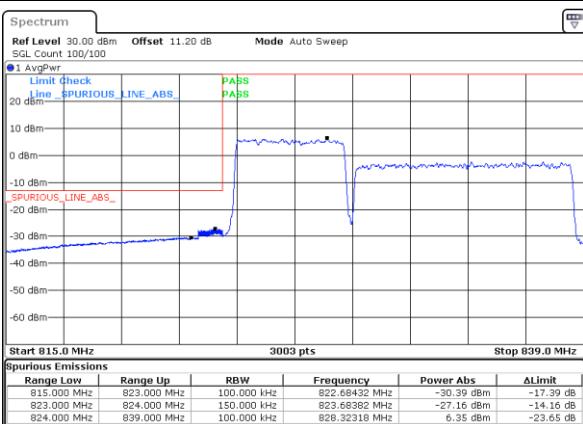
Date: 27\_SEP.2022 05:22:34

Highest Band Edge / 1RB24 and 1RB0



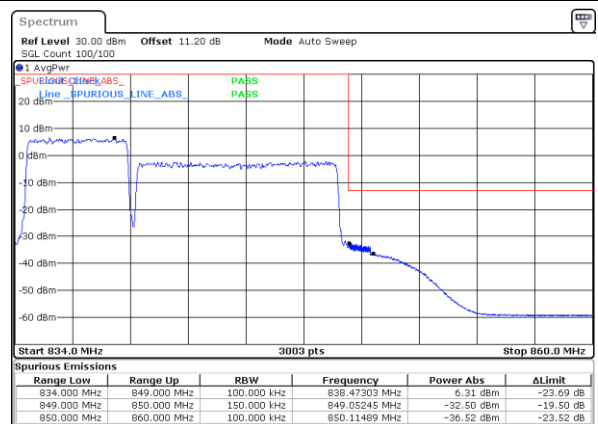
Date: 27\_SEP.2022 05:38:52

Lowest Band Edge / Full RB



Date: 27\_SEP.2022 05:10:57

Highest Band Edge / Full RB



Date: 27\_SEP.2022 05:27:12



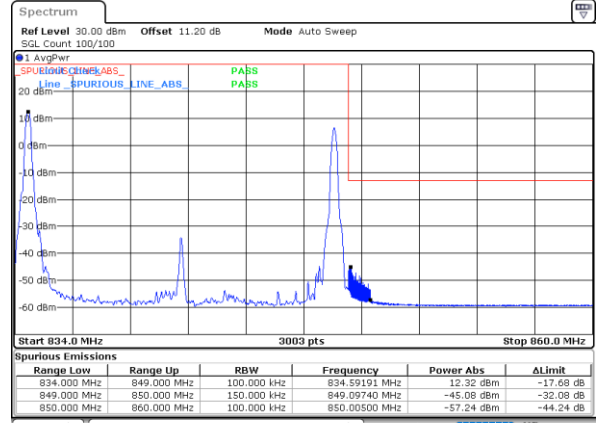
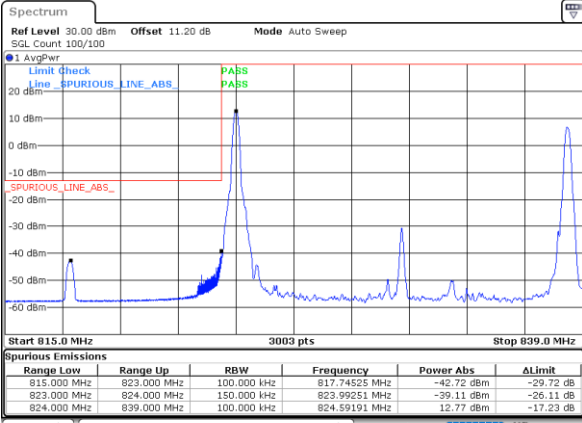


LTE Band 5B / 10MHz+5MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB24

Highest Band Edge / 1RB0 and 1RB24

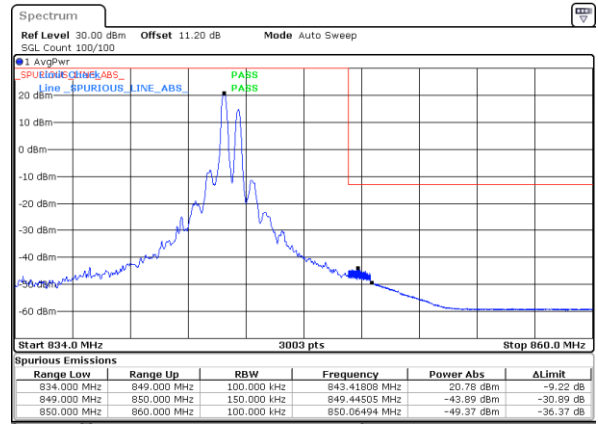
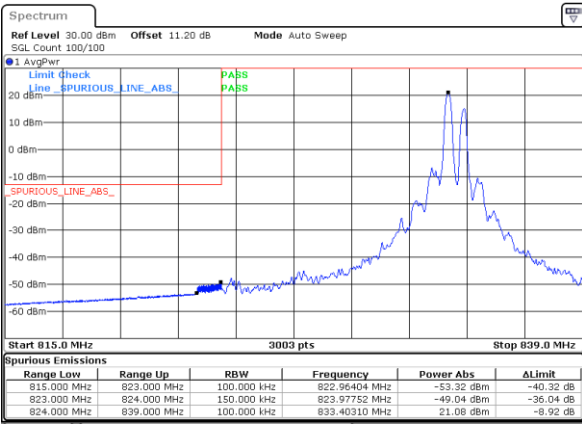


Date: 13.OCT.2022 11:47:40

Date: 27.SEP.2022 06:05:30

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

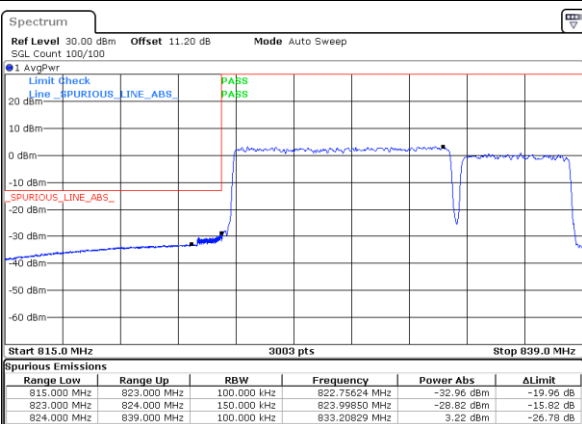


Date: 27.SEP.2022 05:54:55

Date: 27.SEP.2022 06:11:23

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.OCT.2022 11:43:06

Date: 27.SEP.2022 05:59:40

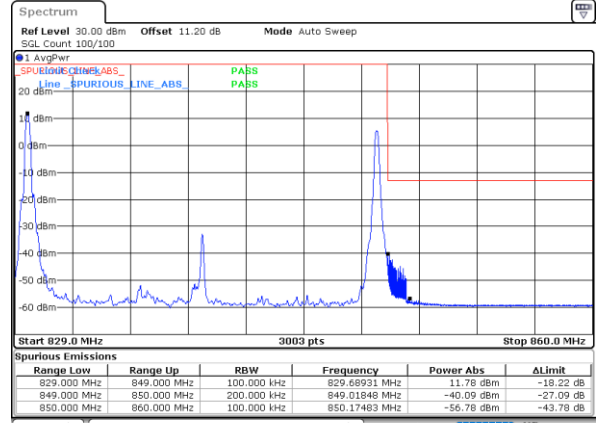
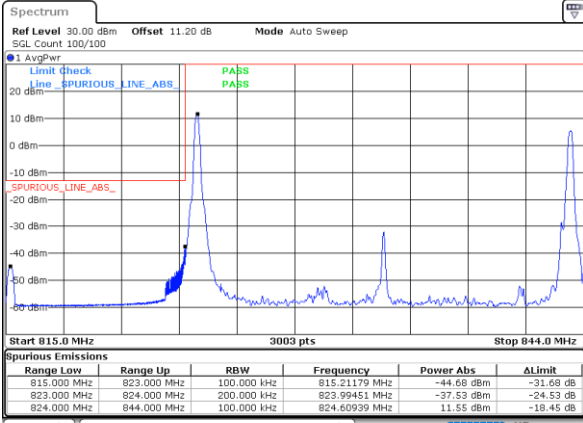


LTE Band 5B / 10MHz+10MHz

16QAM

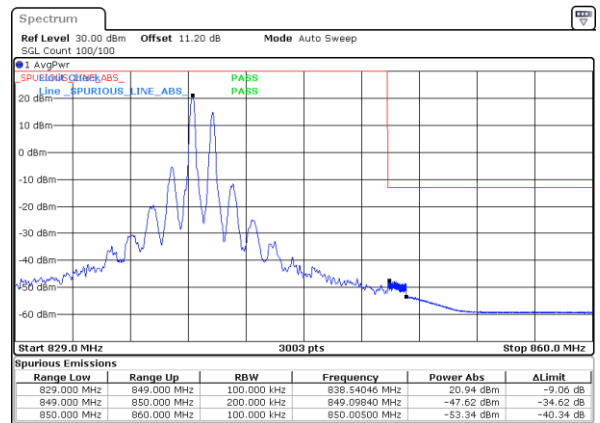
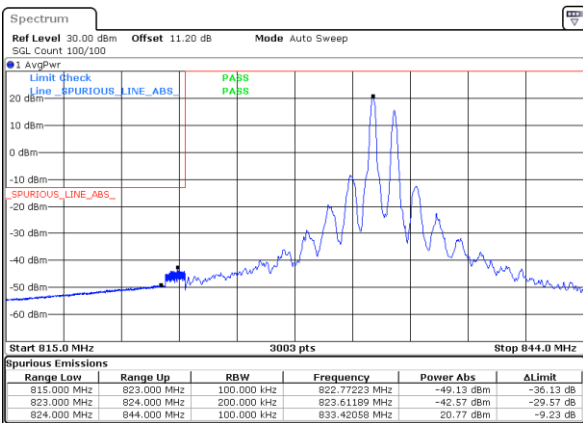
Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49



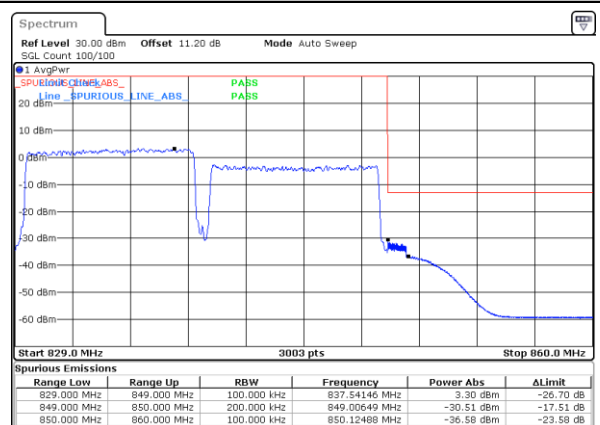
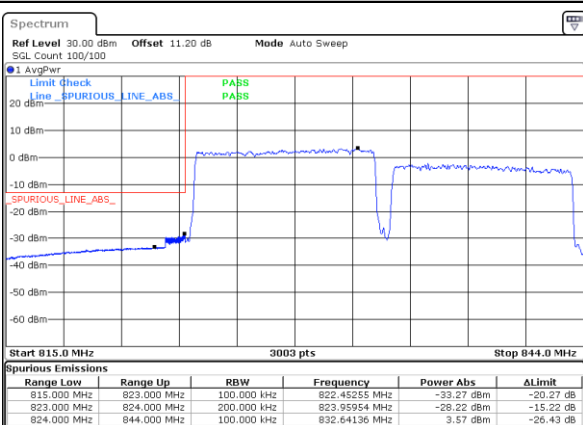
Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB

Highest Band Edge / Full RB



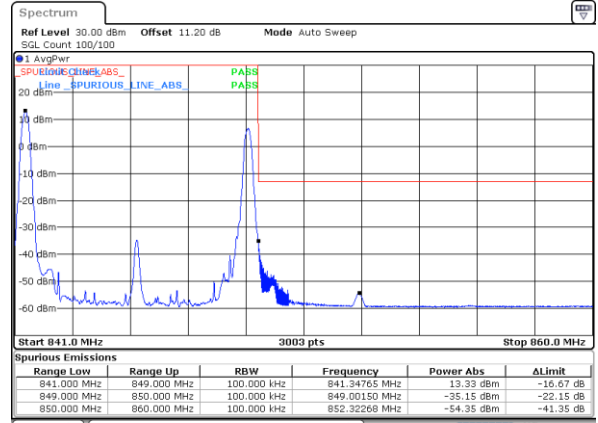
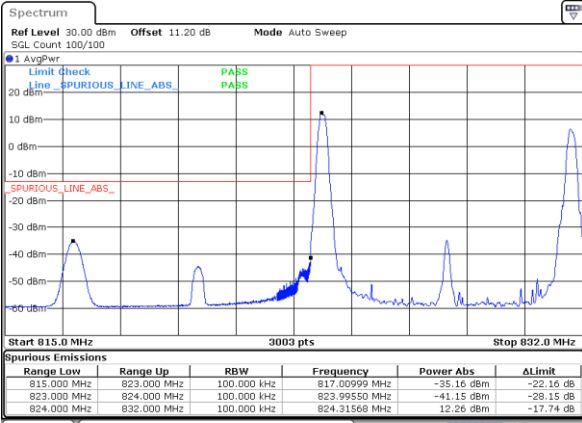


LTE Band 5B / 3MHz+5MHz

64QAM

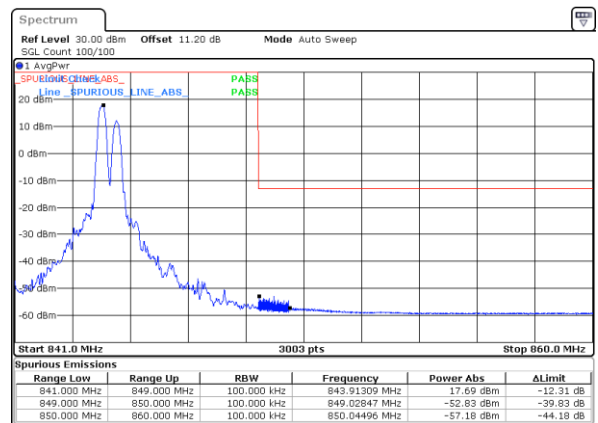
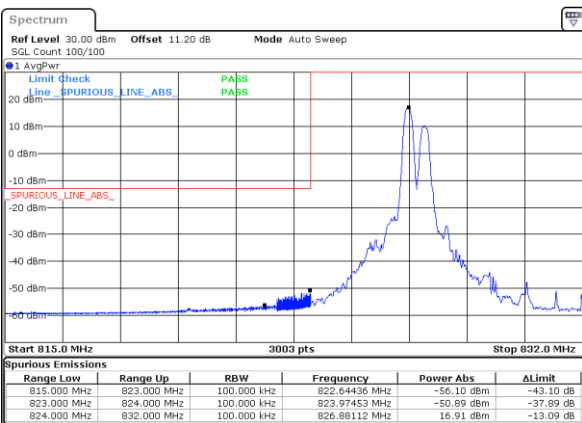
Lowest Band Edge / 1RB0 and 1RB24

Highest Band Edge / 1RB0 and 1RB24



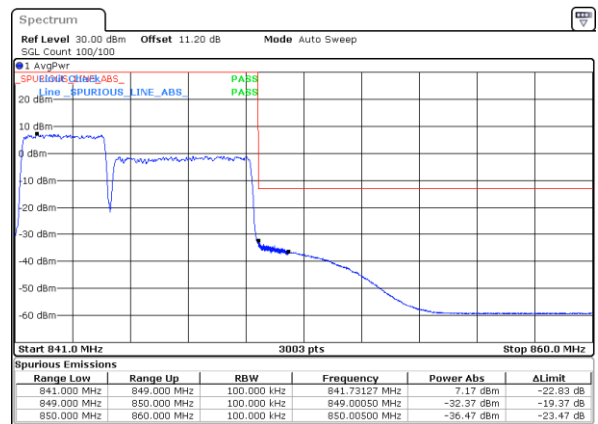
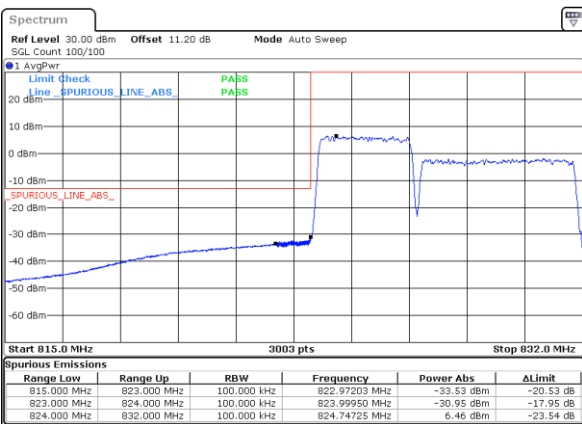
Lowest Band Edge / 1RB14 and 1RB0

Highest Band Edge / 1RB14 and 1RB0



Lowest Band Edge / Full RB

Highest Band Edge / Full RB



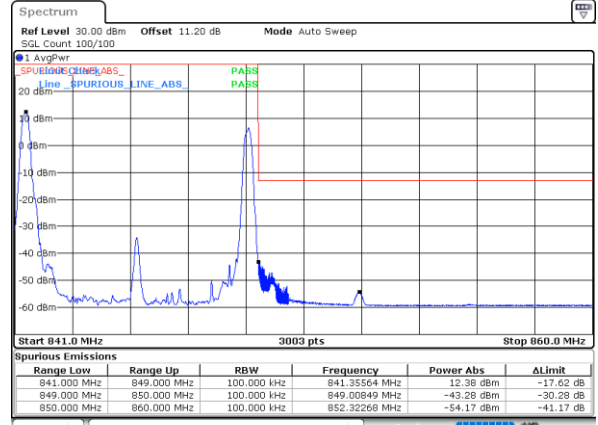
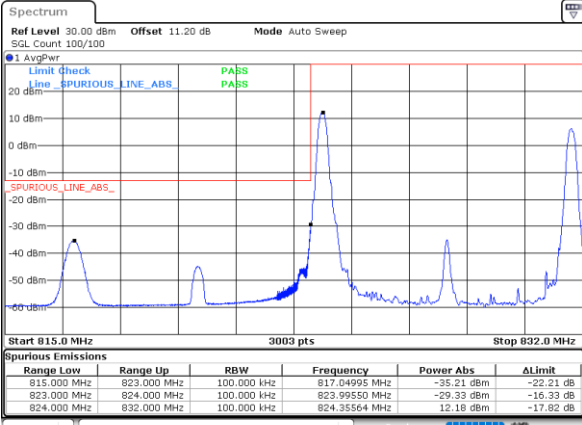


LTE Band 5B / 5MHz+3MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB14

Highest Band Edge / 1RB0 and 1RB14

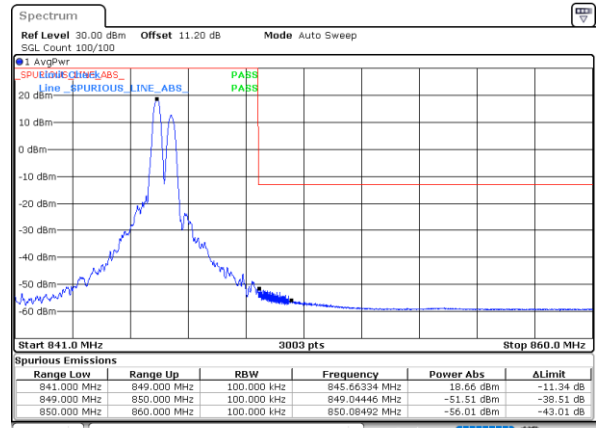
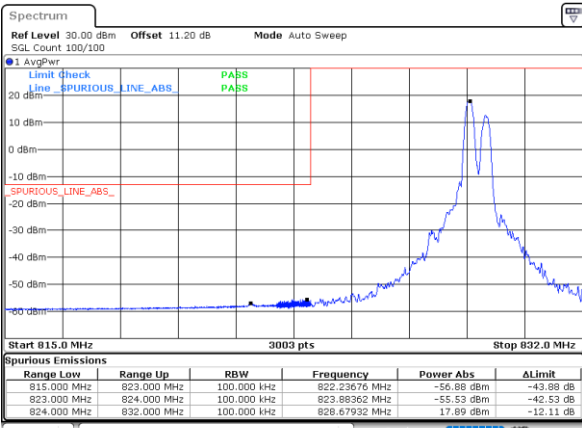


Date: 27\_SEP.2022 02:03:16

Date: 27\_SEP.2022 04:53:50

Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0

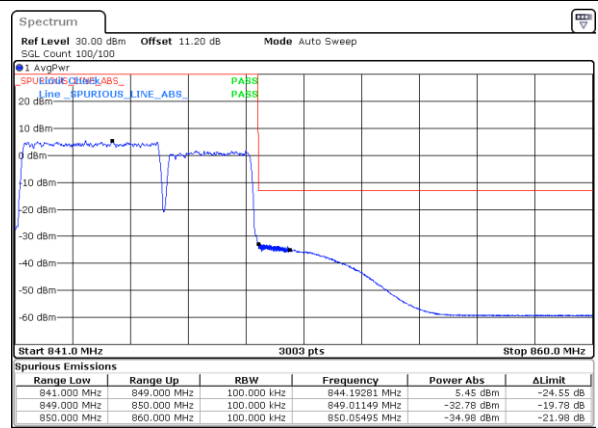
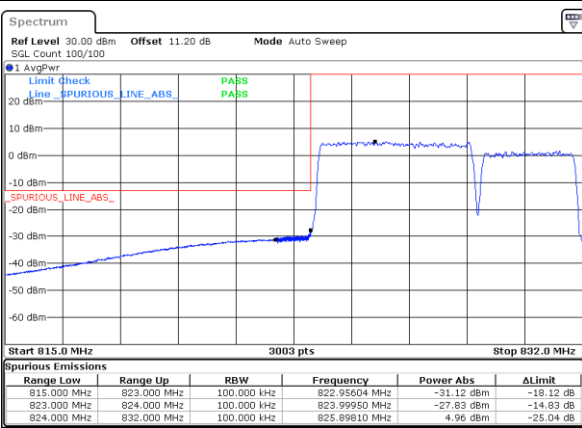


Date: 27\_SEP.2022 02:09:06

Date: 27\_SEP.2022 04:59:35

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27\_SEP.2022 01:57:29

Date: 27\_SEP.2022 02:13:47