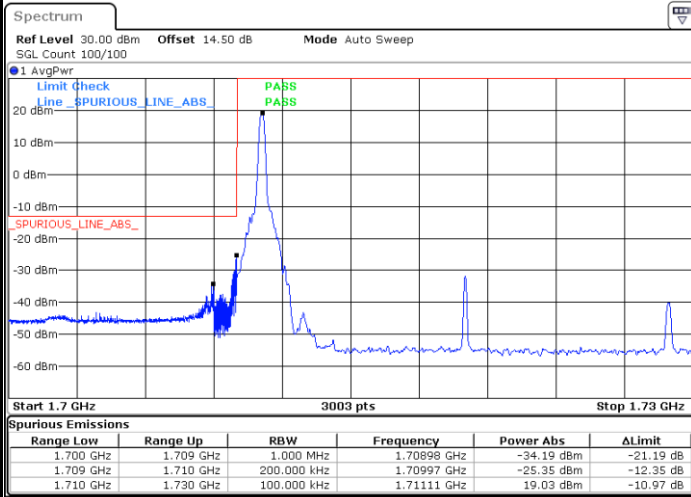


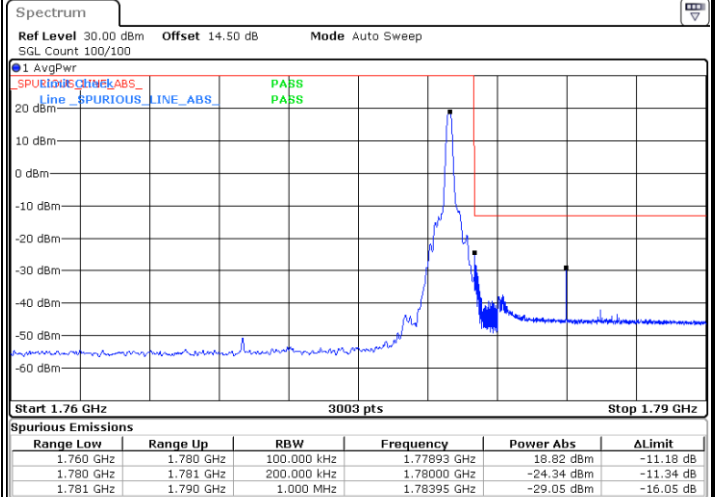


LTE Band 66 / 20MHz / 64QAM

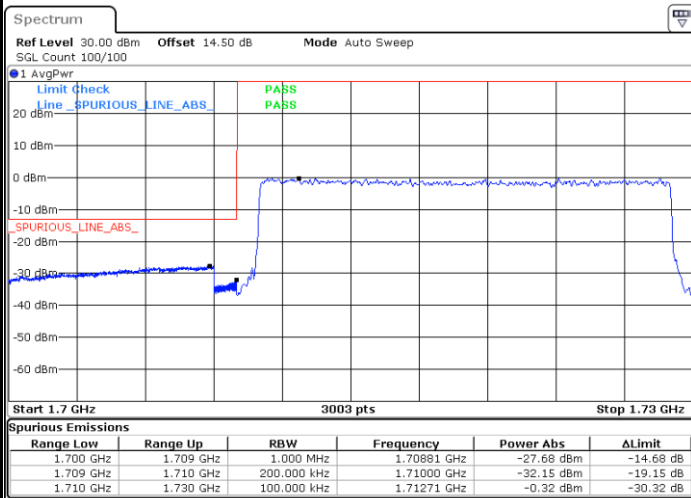
Lowest Band Edge / 1 RB



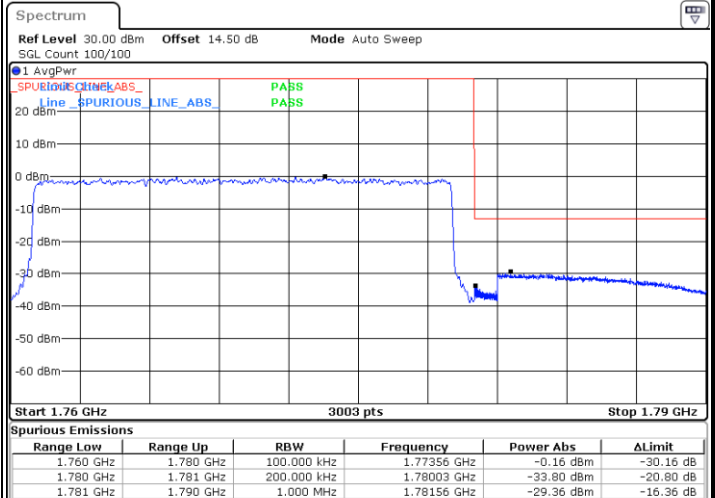
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



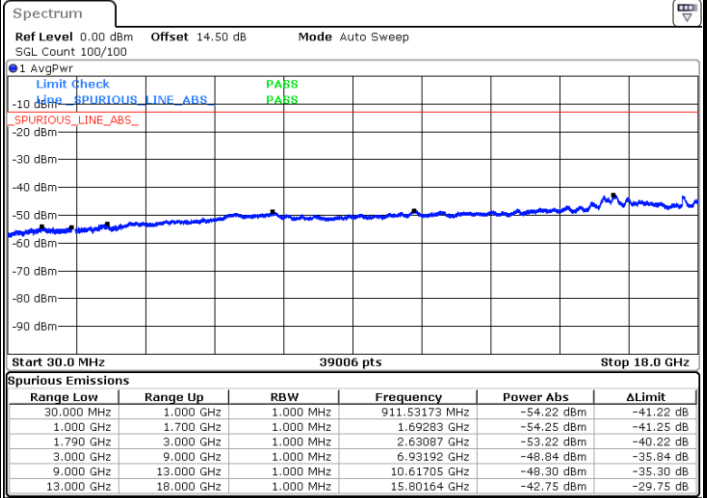
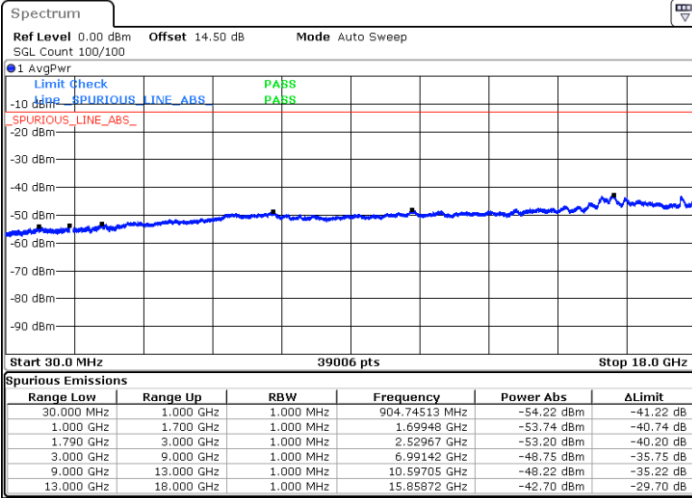


# Conducted Spurious Emission

## LTE Band 66 / 1.4MHz

### Lowest Channel / QPSK

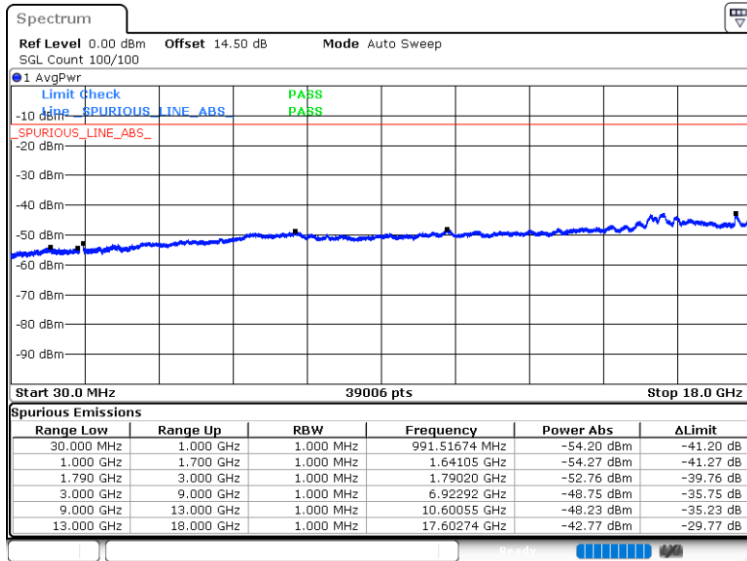
### Middle Channel / QPSK



Date: 30.JAN.2024 22:17:25

Date: 30.JAN.2024 22:21:53

### Highest Channel / QPSK

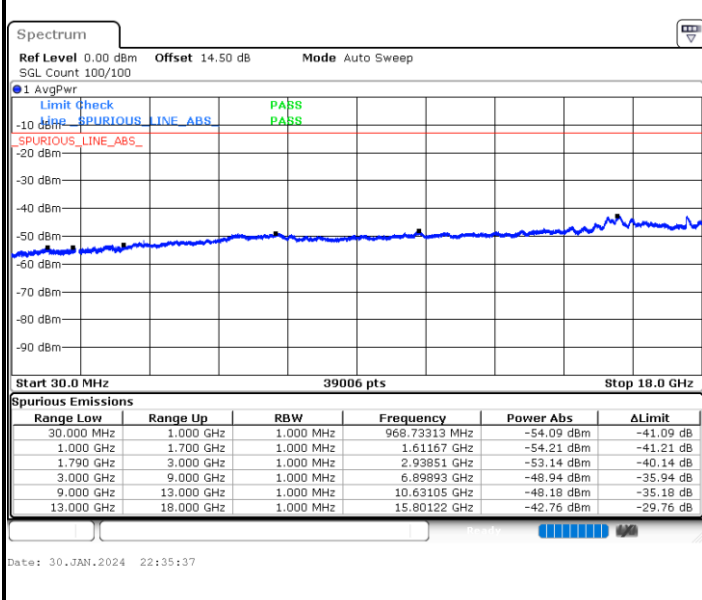


Date: 30.JAN.2024 22:27:51

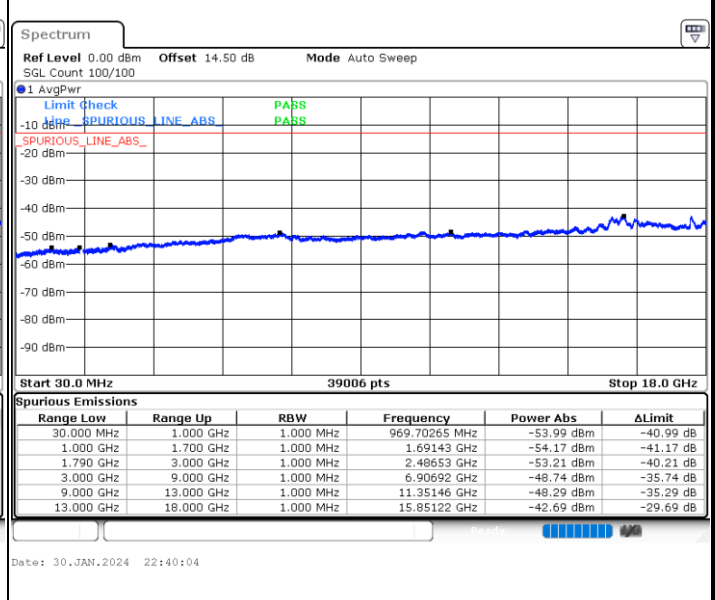


**LTE Band 66 / 3MHz**

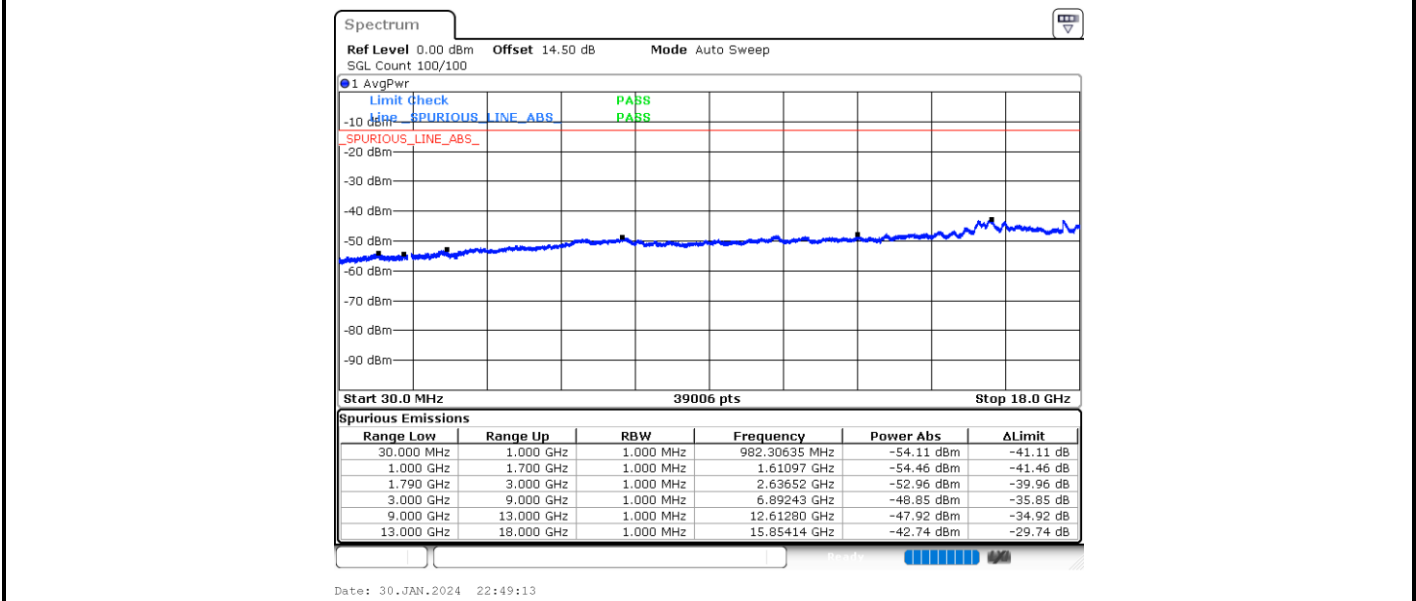
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



**Highest Channel / QPSK**

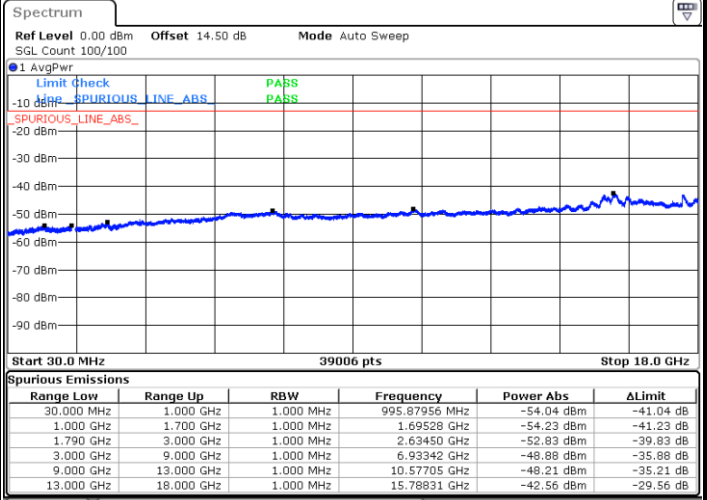
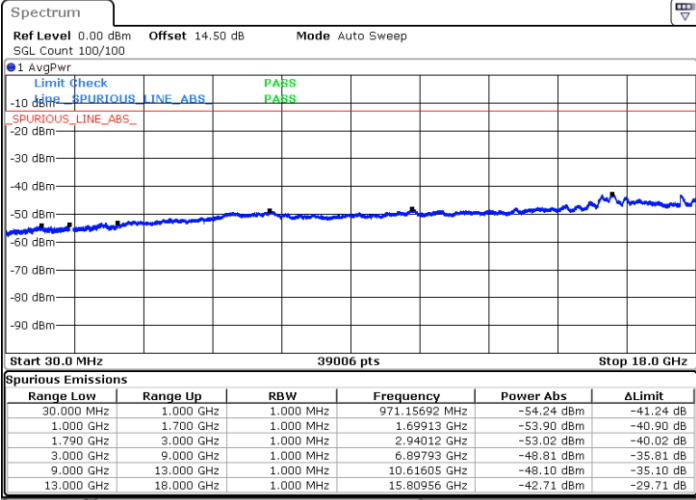




LTE Band 66 / 5MHz

Lowest Channel / QPSK

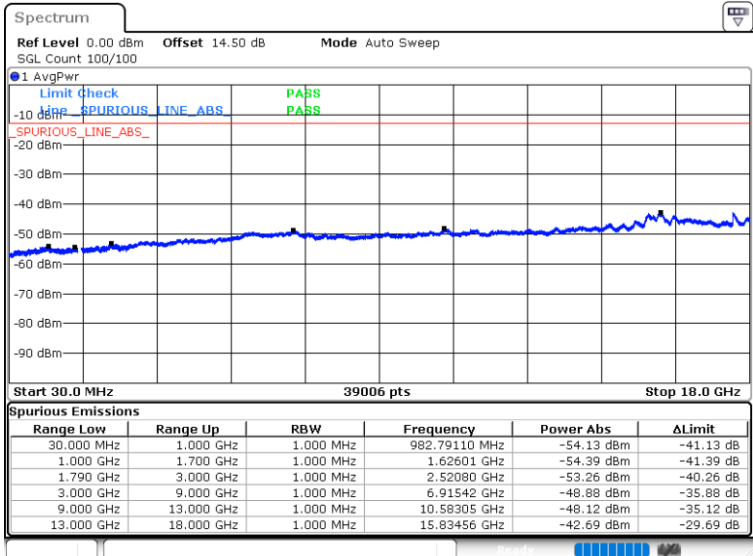
Middle Channel / QPSK



Date: 30.JAN.2024 22:53:46

Date: 30.JAN.2024 22:58:13

Highest Channel / QPSK



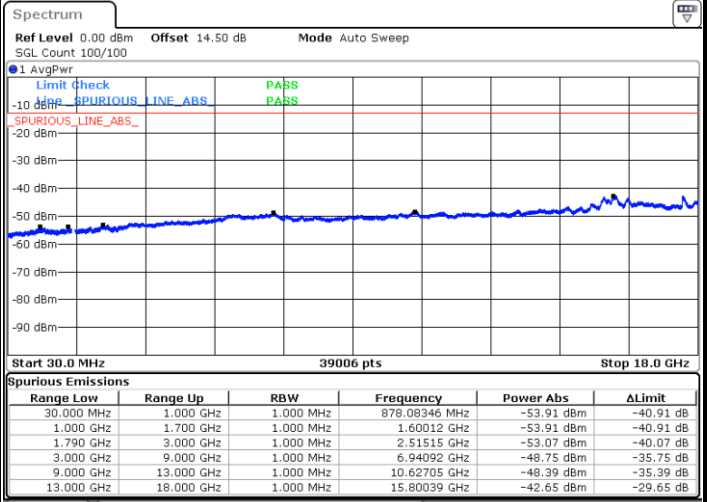
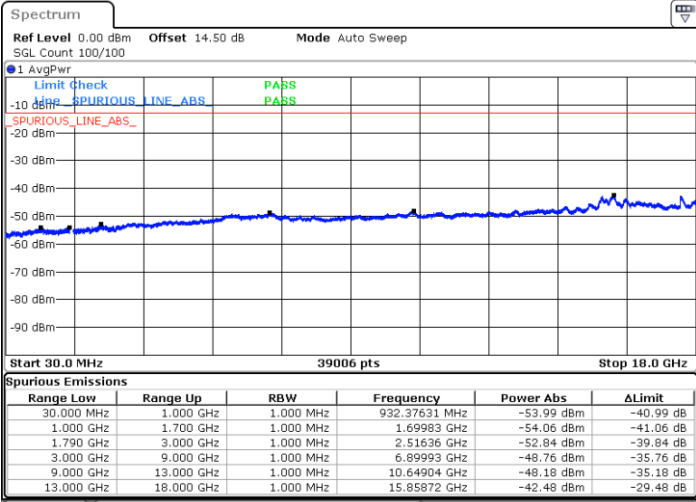
Date: 30.JAN.2024 23:07:22



LTE Band 66 / 10MHz

Lowest Channel / QPSK

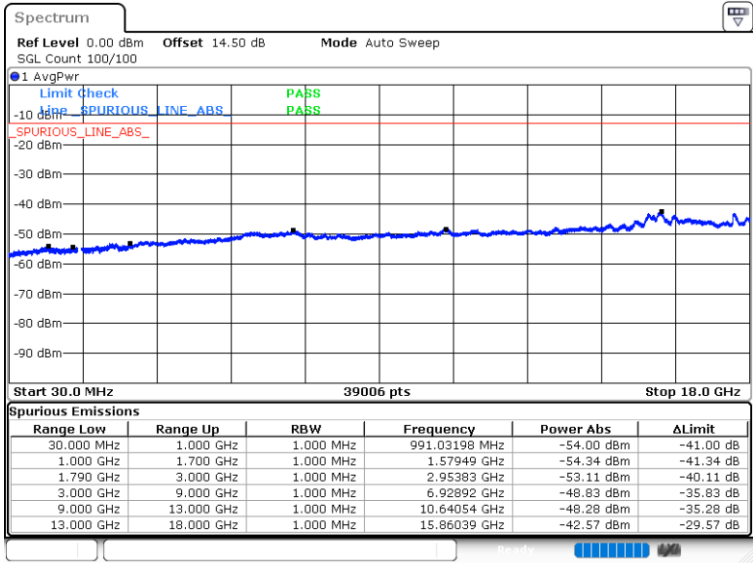
Middle Channel / QPSK



Date: 30.JAN.2024 23:15:09

Date: 30.JAN.2024 23:16:23

Highest Channel / QPSK



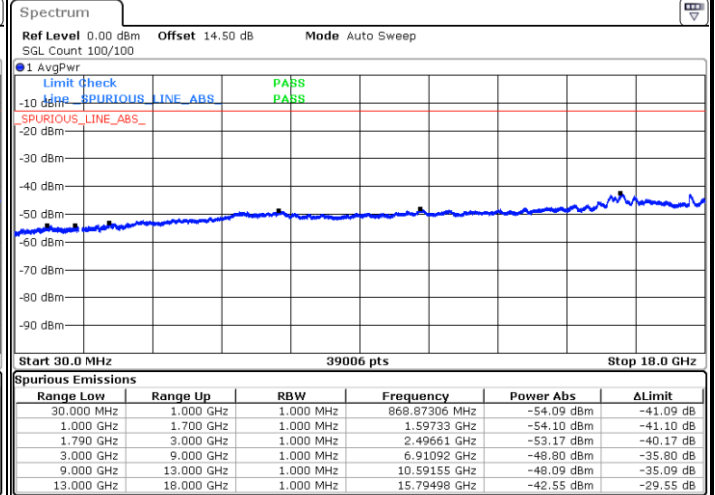
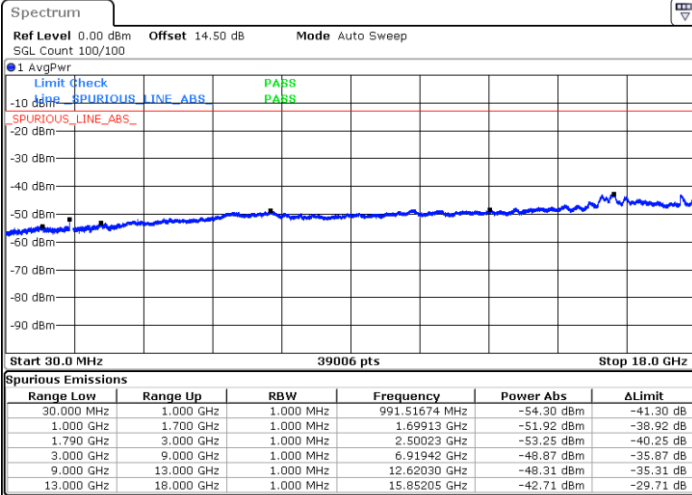
Date: 30.JAN.2024 23:25:31



LTE Band 66 / 15MHz

Lowest Channel / QPSK

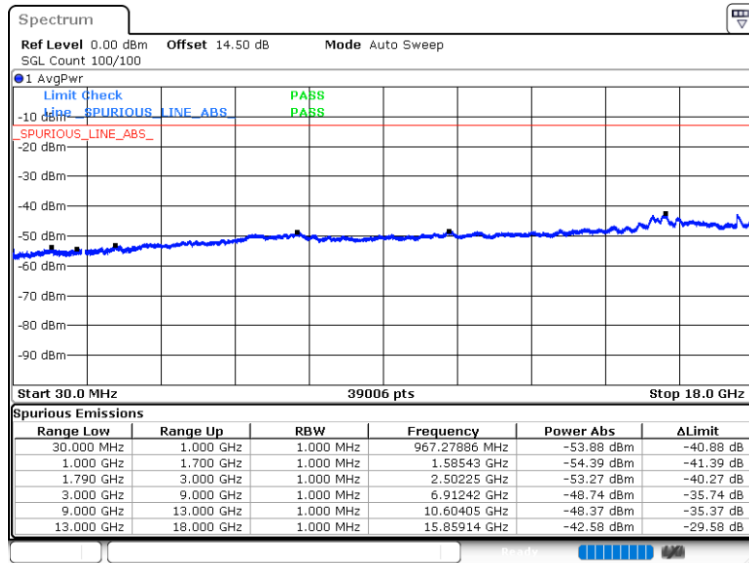
Middle Channel / QPSK



Date: 30.JAN.2024 23:33:18

Date: 30.JAN.2024 23:34:31

Highest Channel / QPSK



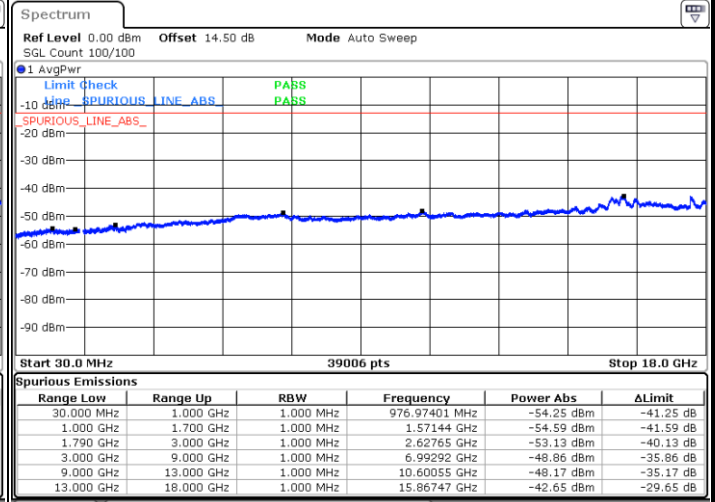
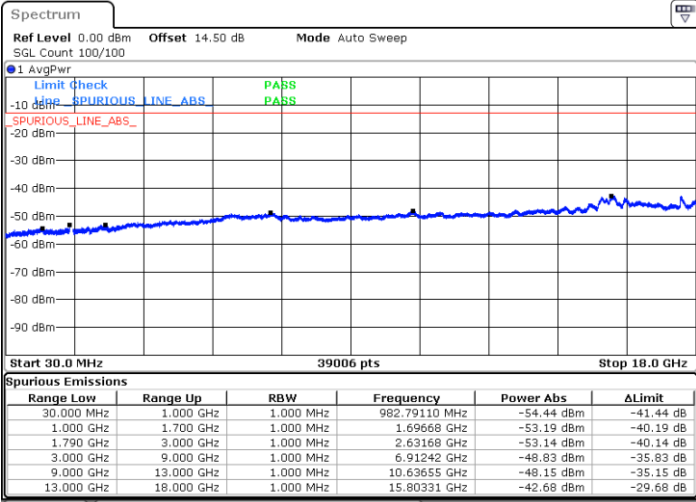
Date: 31.JAN.2024 00:01:08



LTE Band 66 / 20MHz

Lowest Channel / QPSK

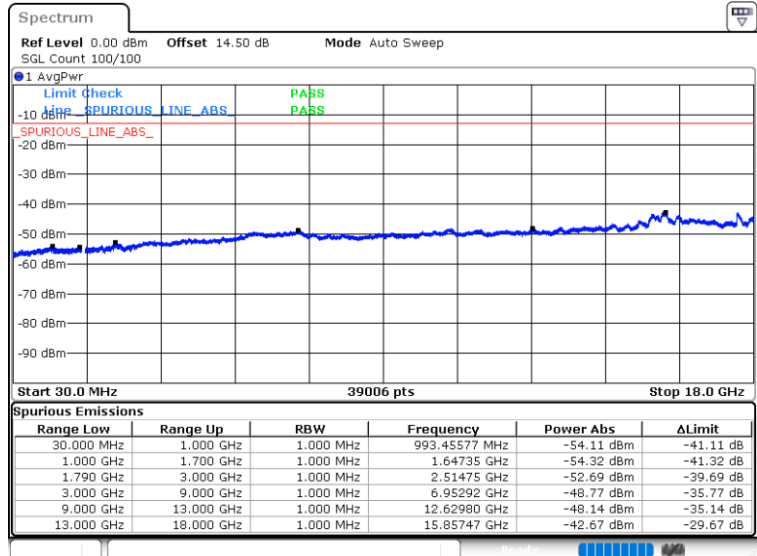
Middle Channel / QPSK



Date: 31.JAN.2024 00:08:55

Date: 31.JAN.2024 00:10:08

Highest Channel / QPSK



Date: 31.JAN.2024 00:20:49



### 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	0.0011	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0010	

**Note:**

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





## LTE Band CA\_5B

### 26dB Bandwidth

Mode	LTE Band 5B : 26dB BW(MHz)		
QPSK			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	8.31	8.31	14.63
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.63	19.98	-

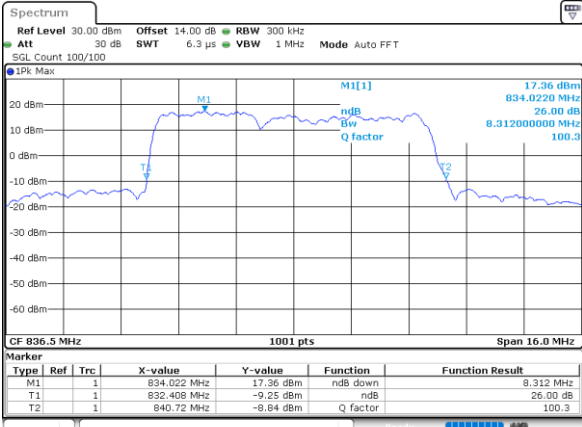
Mode	LTE Band 5B : 26dB BW(MHz)		
16QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	8.20	8.15	14.96
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.81	19.74	-



LTE Band 5B

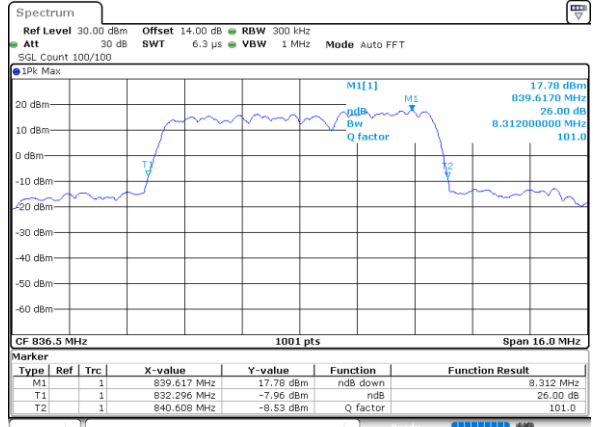
QPSK

Middle Channel / 3MHz+5MHz



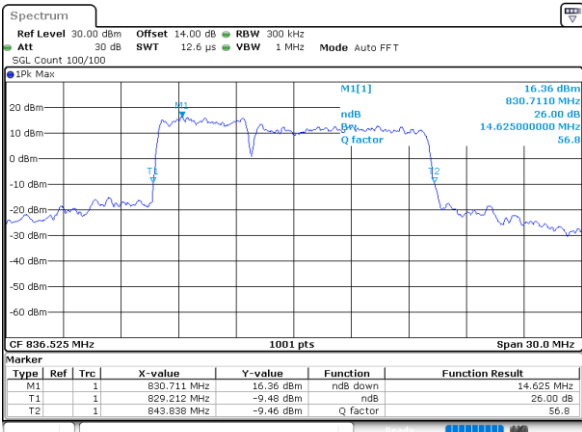
Date: 25\_JAN\_2024 09:45:05

Middle Channel / 5MHz+3MHz



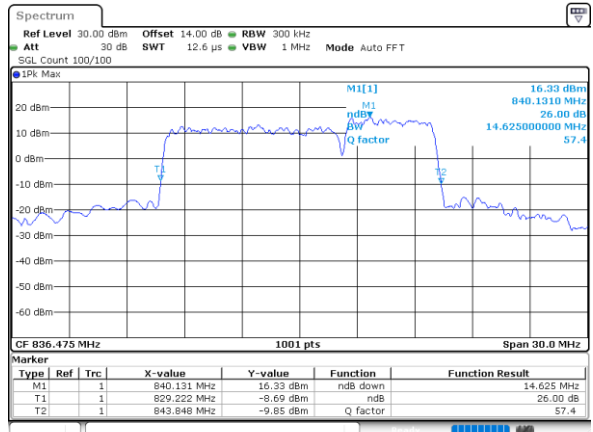
Date: 25\_JAN\_2024 10:15:37

Middle Channel / 5MHz+10MHz



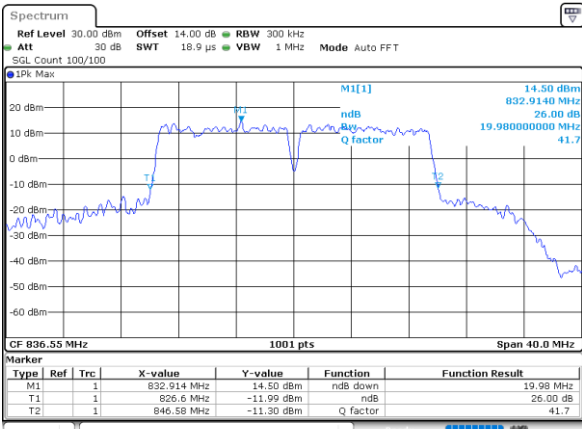
Date: 25\_JAN\_2024 10:45:55

Middle Channel / 10MHz+5MHz



Date: 25\_JAN\_2024 11:11:27

Middle Channel / 10MHz+10MHz



Date: 25\_JAN\_2024 11:38:33

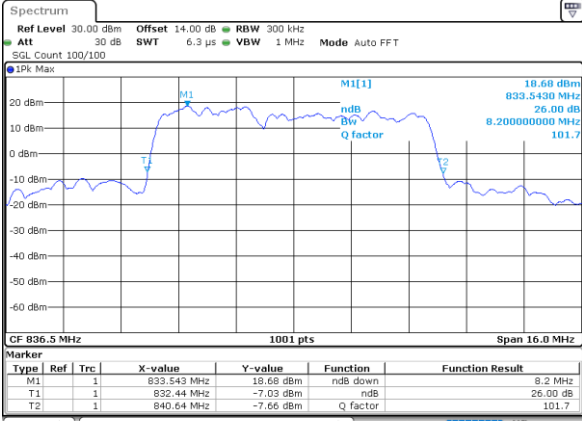
N/A



LTE Band 5B

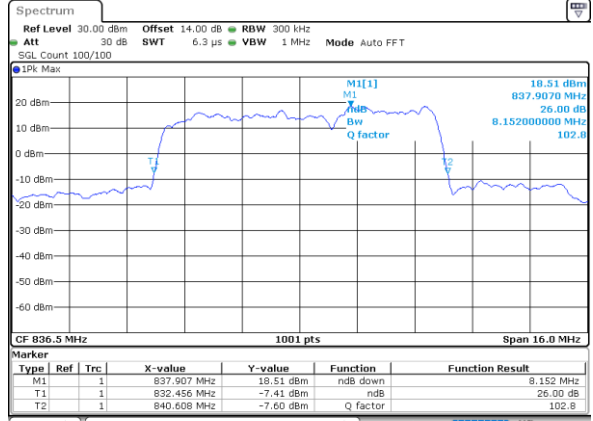
16QAM

Middle Channel / 3MHz+5MHz



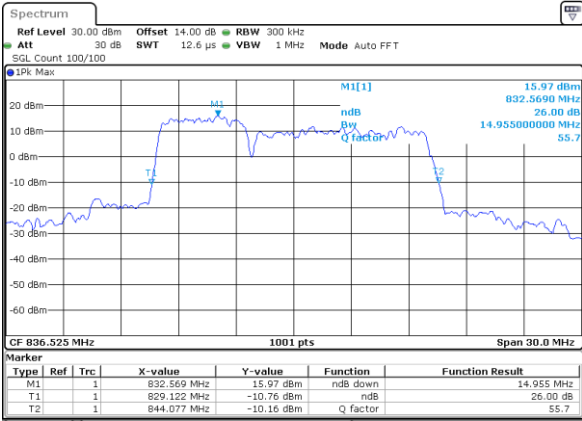
Date: 25\_JAN\_2024 09:45:36

Middle Channel / 5MHz+3MHz



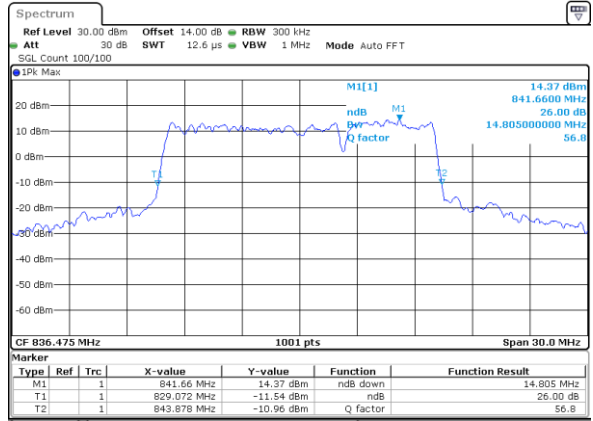
Date: 25\_JAN\_2024 10:16:09

Middle Channel / 5MHz+10MHz



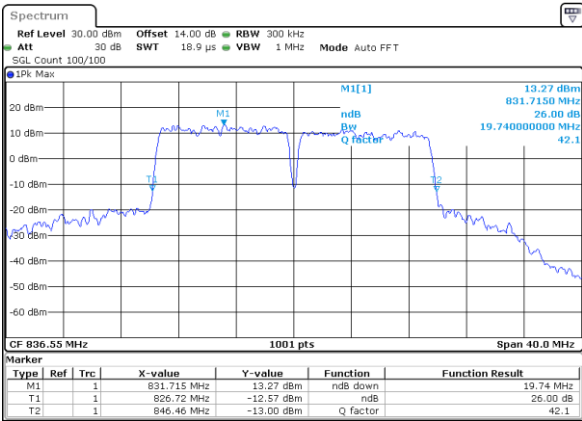
Date: 25\_JAN\_2024 10:46:27

Middle Channel / 10MHz+5MHz



Date: 25\_JAN\_2024 11:11:58

Middle Channel / 10MHz+10MHz



Date: 25\_JAN\_2024 11:39:25

N/A



### Occupied Bandwidth

Mode	LTE Band 5B : 99%OBW(MHz)		
QPSK			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.56	7.62	13.97
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.85	18.78	-

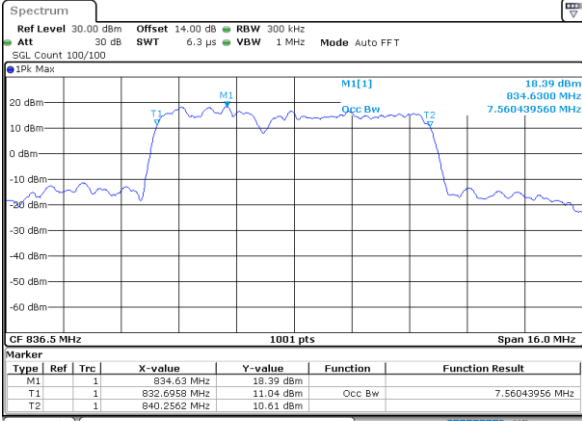
Mode	LTE Band 5B : 99%OBW(MHz)		
16QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.59	7.61	13.94
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.91	18.66	-



LTE Band 5B

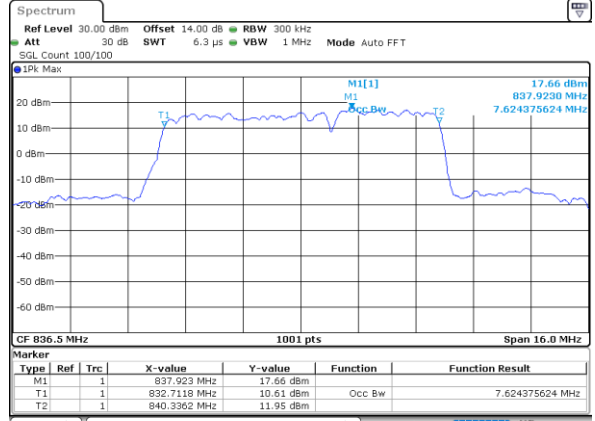
QPSK

Middle Channel / 3MHz+5MHz



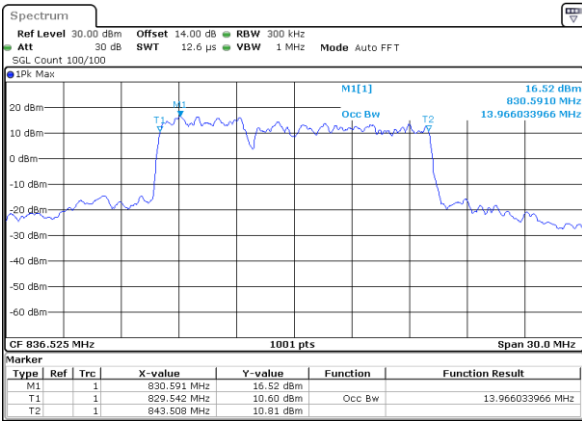
Date: 25, JAN, 2024 09:44:33

Middle Channel / 5MHz+3MHz



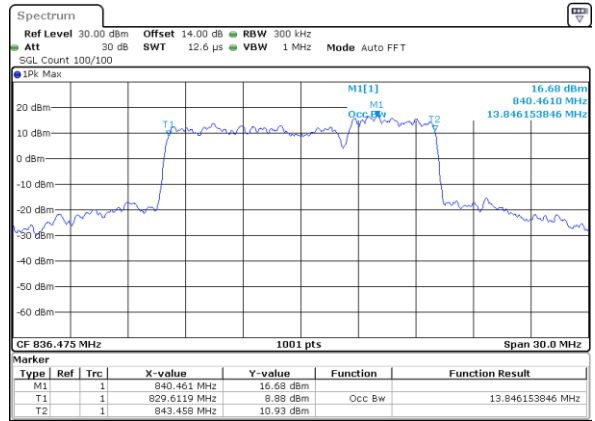
Date: 25, JAN, 2024 10:15:06

Middle Channel / 5MHz+10MHz



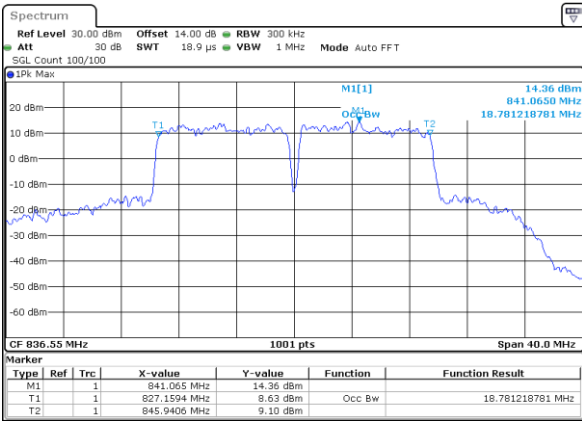
Date: 25, JAN, 2024 10:45:24

Middle Channel / 10MHz+5MHz



Date: 25, JAN, 2024 11:10:55

Middle Channel / 10MHz+10MHz



Date: 25, JAN, 2024 11:38:03

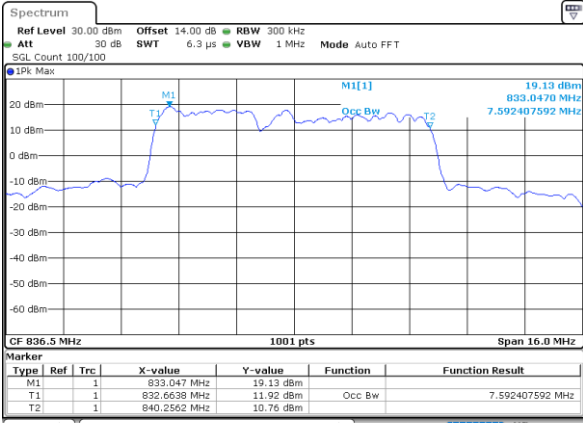
N/A



LTE Band 5B

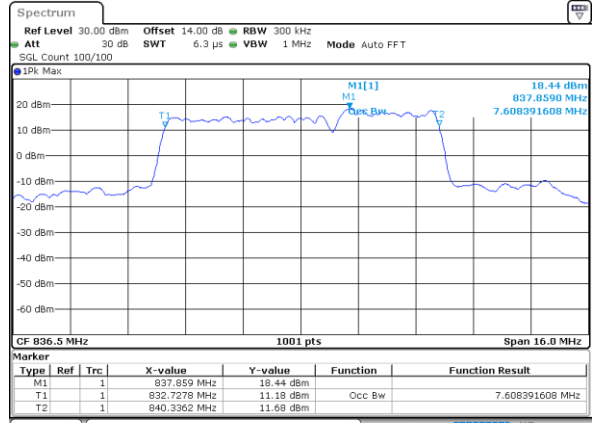
16QAM

Middle Channel / 3MHz+5MHz



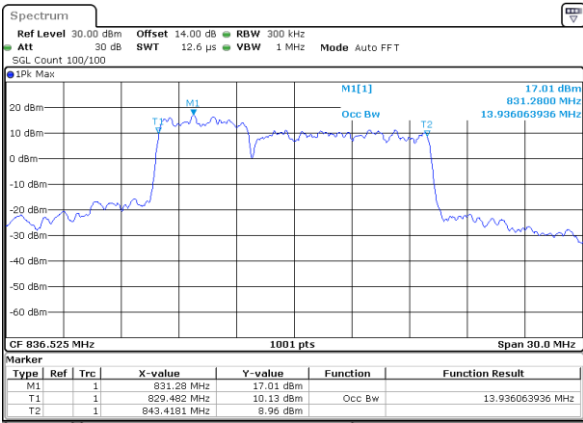
Date: 25, JAN, 2024 09:46:08

Middle Channel / 5MHz+3MHz



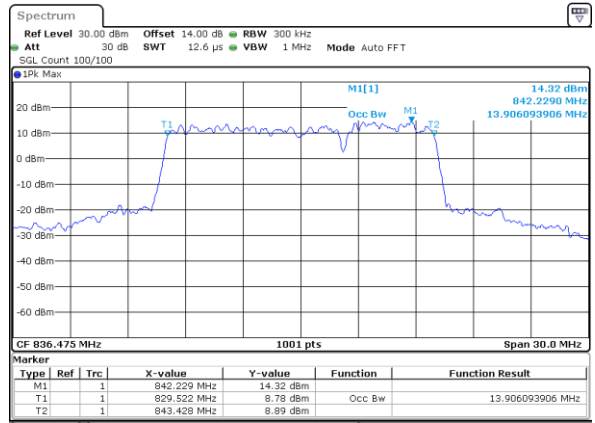
Date: 25, JAN, 2024 10:11:40

Middle Channel / 5MHz+10MHz



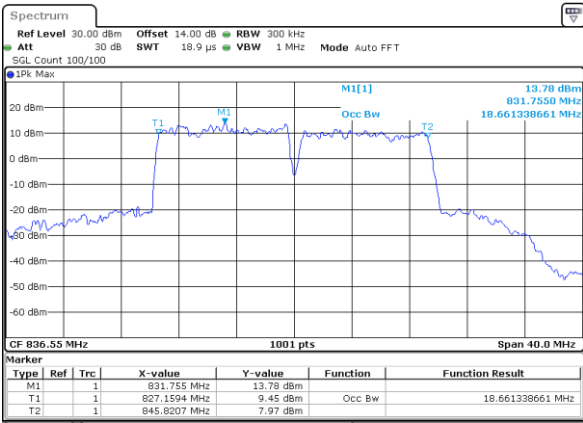
Date: 25, JAN, 2024 10:46:58

Middle Channel / 10MHz+5MHz



Date: 25, JAN, 2024 11:12:30

Middle Channel / 10MHz+10MHz



Date: 25, JAN, 2024 11:39:54

N/A

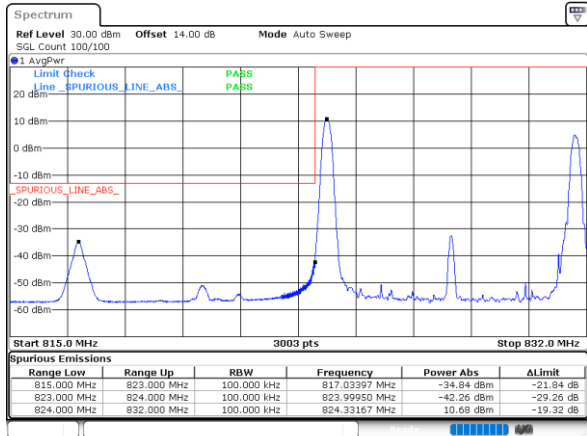


# Conducted Band Edge

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

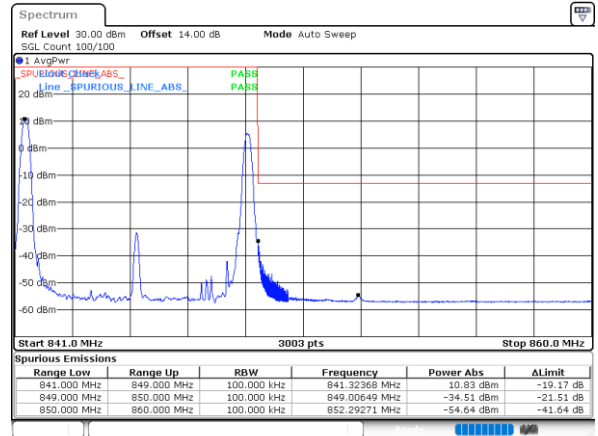
### QPSK

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



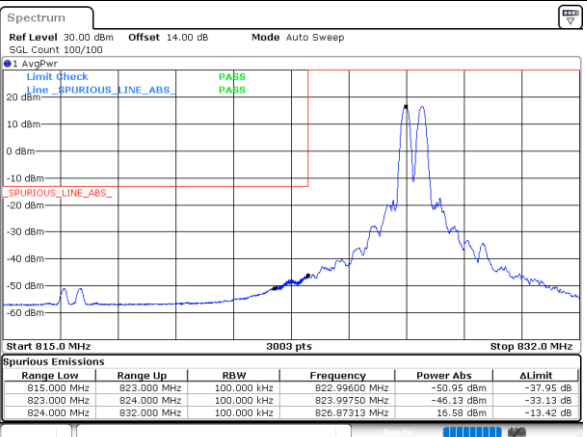
Date: 25. JAN. 2024 09:55:36

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



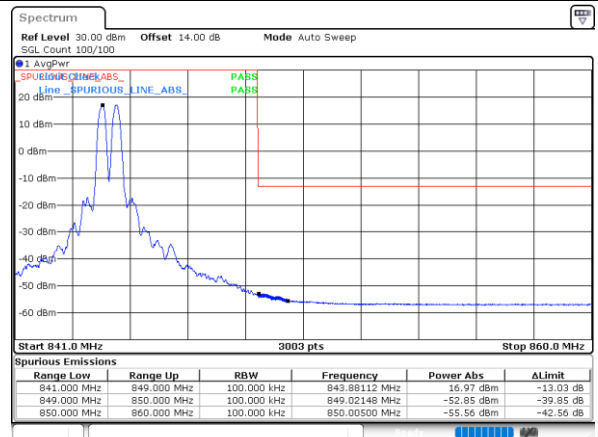
Date: 25. JAN. 2024 10:04:38

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



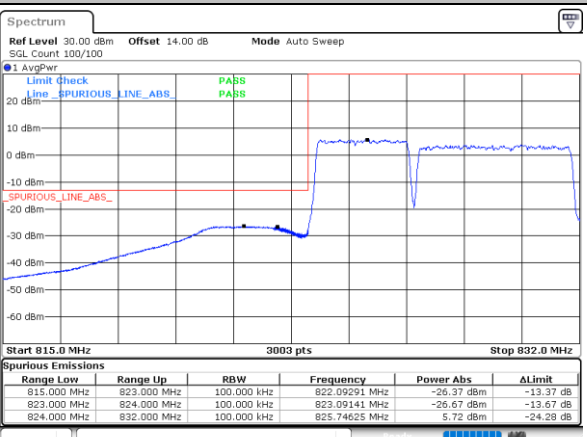
Date: 25. JAN. 2024 09:50:50

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



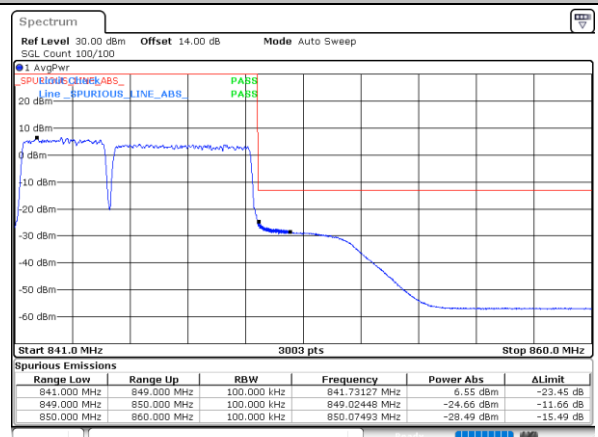
Date: 25. JAN. 2024 10:09:23

#### Lowest Band Edge / Full RB



Date: 25. JAN. 2024 09:56:34

#### Highest Band Edge / Full RB



Date: 25. JAN. 2024 10:03:41

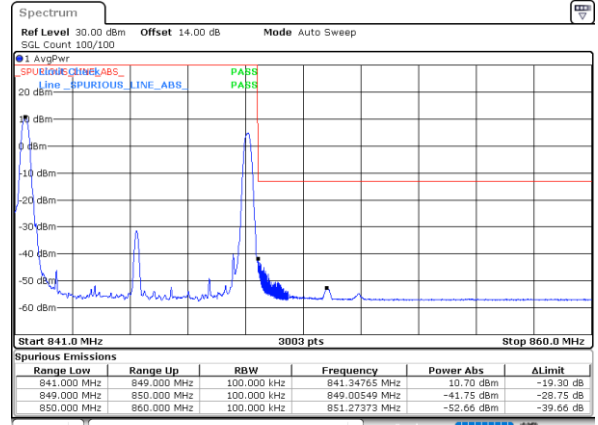
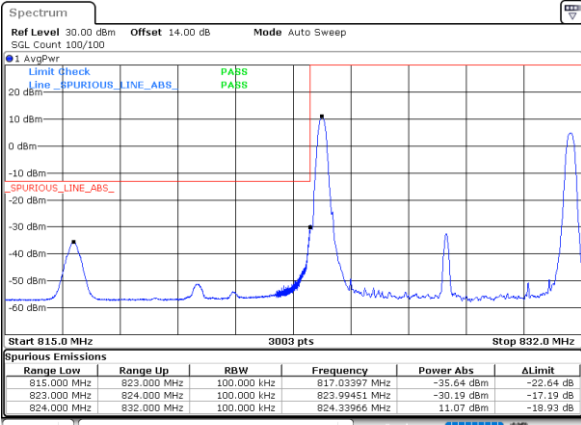


LTE Band 5B / 5MHz+3MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB14

Highest Band Edge / 1RB0 and 1RB14

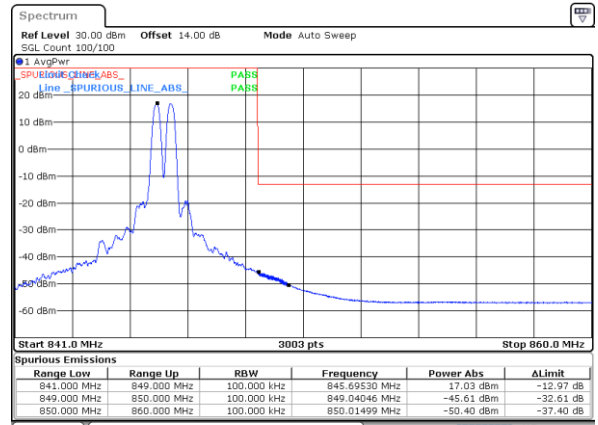
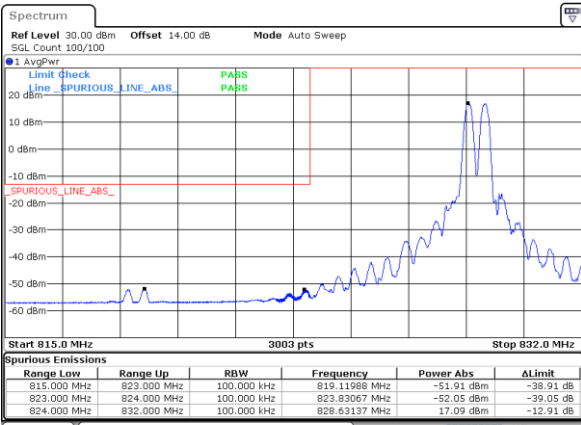


Date: 25. JAN. 2024 10:29:06

Date: 25. JAN. 2024 10:37:01

Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0

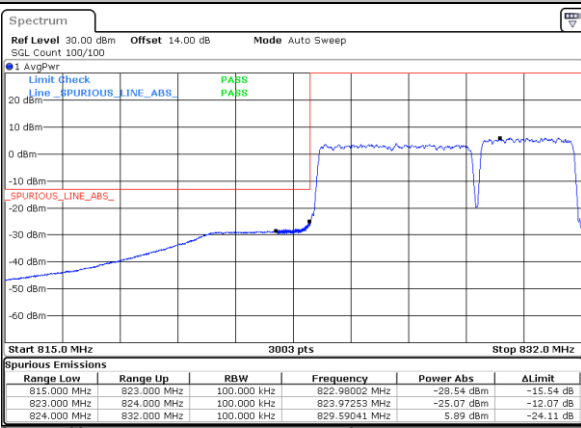


Date: 25. JAN. 2024 10:24:21

Date: 25. JAN. 2024 10:41:44

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25. JAN. 2024 10:30:03

Date: 25. JAN. 2024 10:36:04



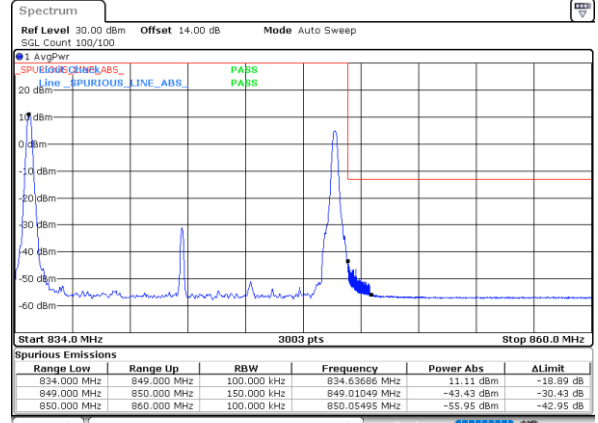
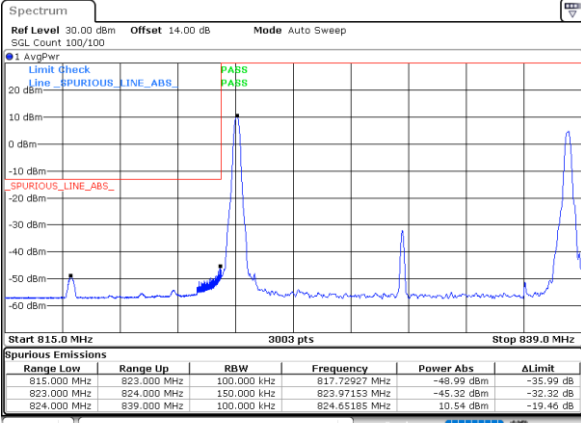


LTE Band 5B / 5MHz+10MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

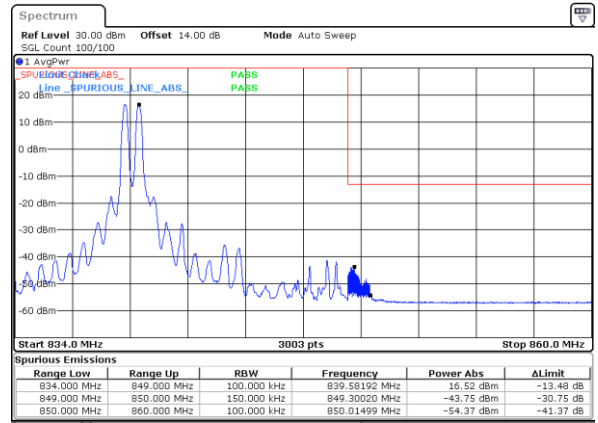
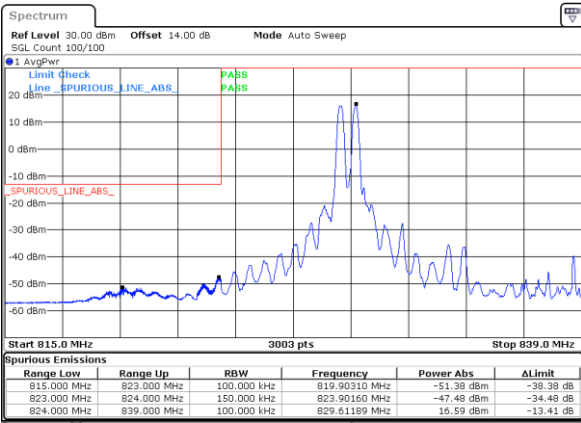


Date: 25\_JAN\_2024 10:55:31

Date: 25\_JAN\_2024 11:03:14

Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0

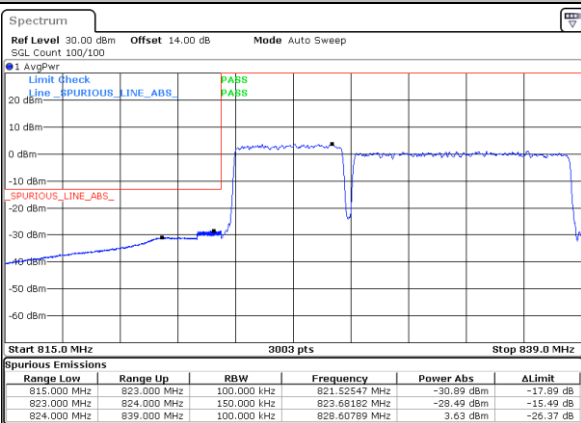


Date: 25\_JAN\_2024 10:55:45

Date: 25\_JAN\_2024 11:07:59

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25\_JAN\_2024 10:56:28

Date: 25\_JAN\_2024 11:02:17

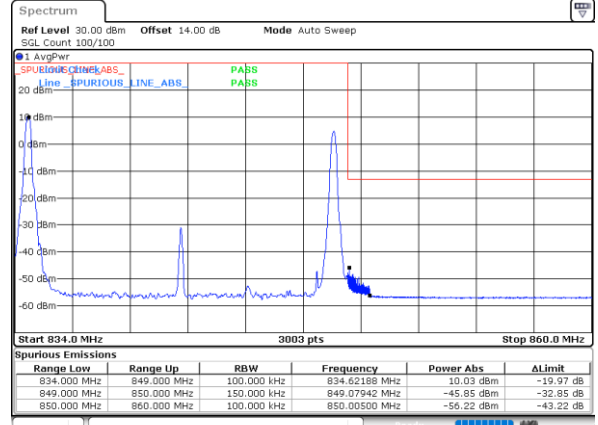
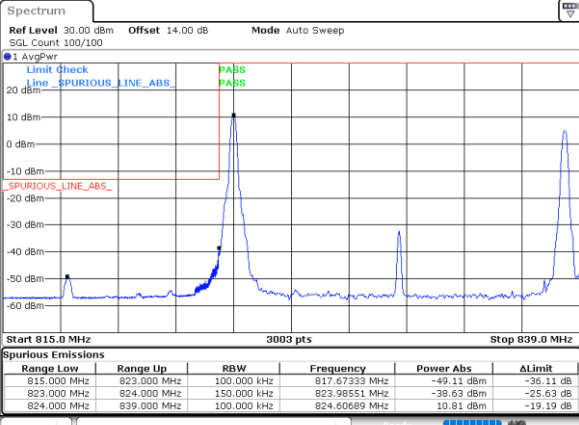


LTE Band 5B / 10MHz+5MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB24

Highest Band Edge / 1RB0 and 1RB24

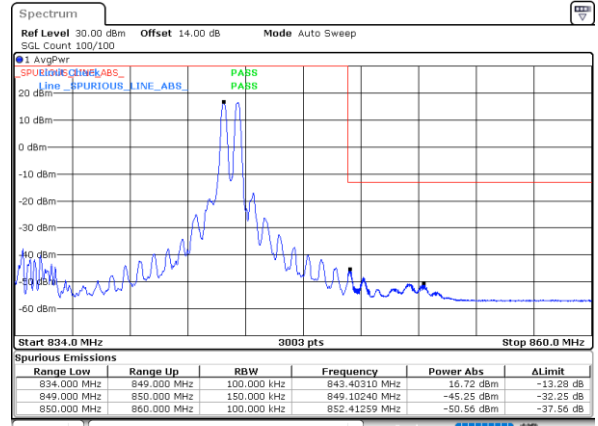
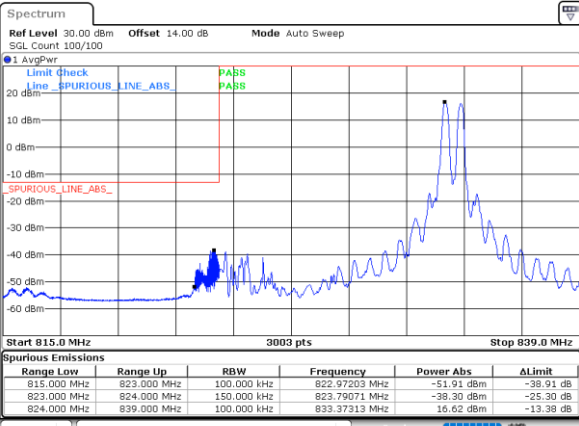


Date: 25\_JAN\_2024 11:22:01

Date: 25\_JAN\_2024 11:29:03

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

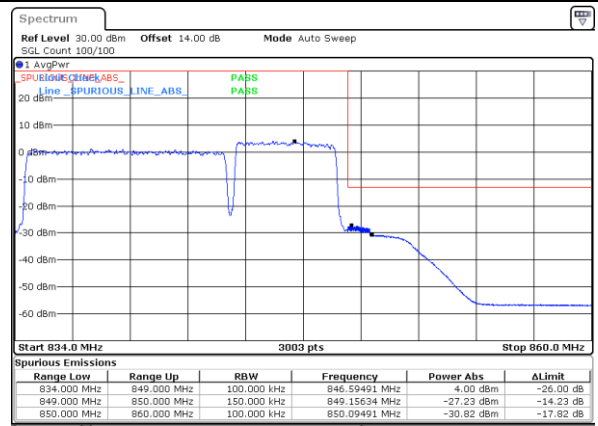
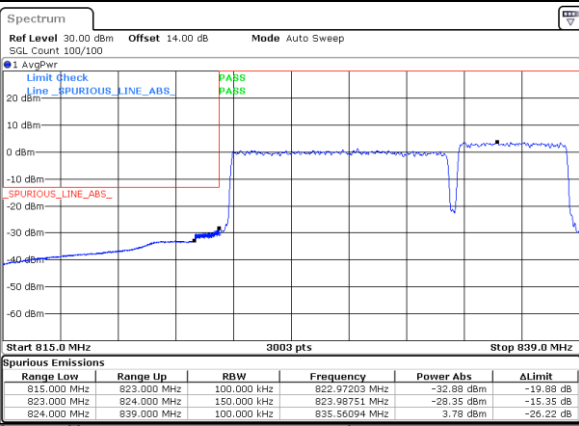


Date: 25\_JAN\_2024 11:15:06

Date: 25\_JAN\_2024 11:35:13

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25\_JAN\_2024 11:22:58

Date: 25\_JAN\_2024 11:28:06

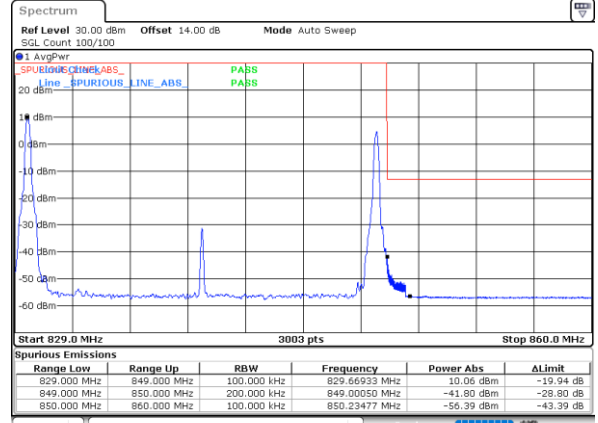
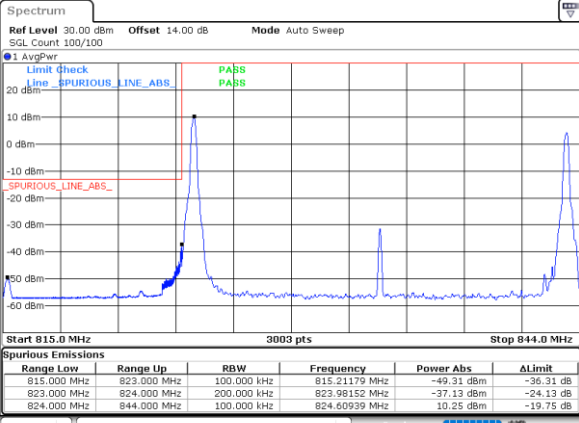


LTE Band 5B / 10MHz+10MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

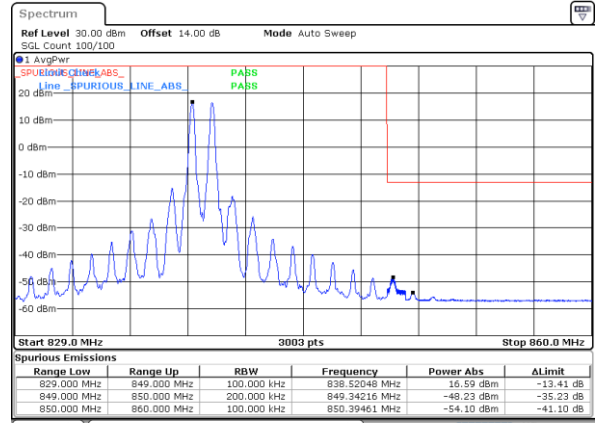
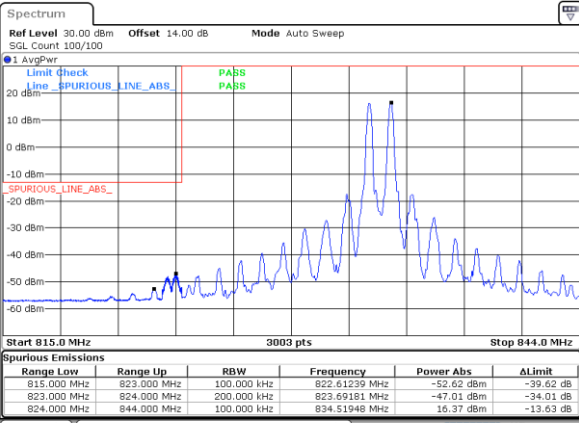


Date: 25\_JAN\_2024 11:49:42

Date: 25\_JAN\_2024 11:59:43

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

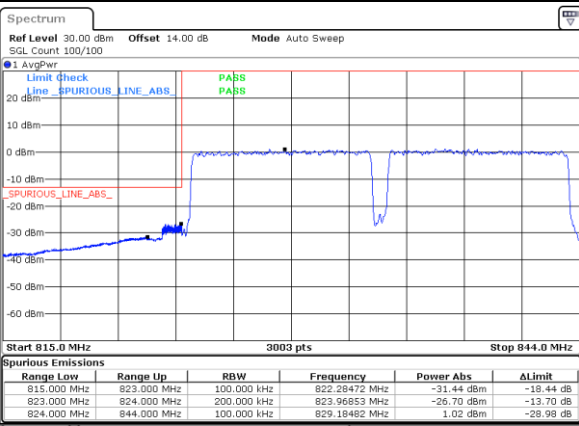


Date: 25\_JAN\_2024 11:43:47

Date: 25\_JAN\_2024 12:04:11

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25\_JAN\_2024 11:50:36

Date: 25\_JAN\_2024 11:58:50

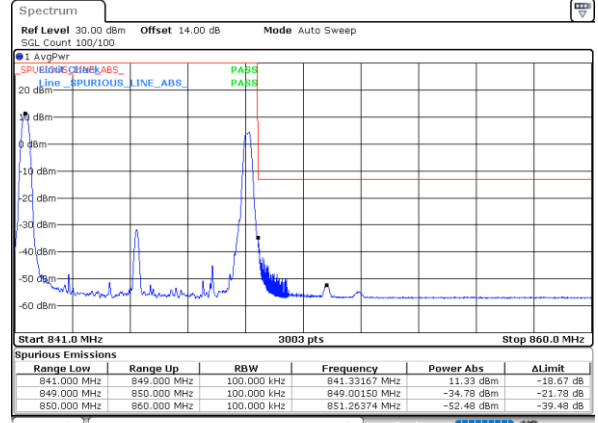
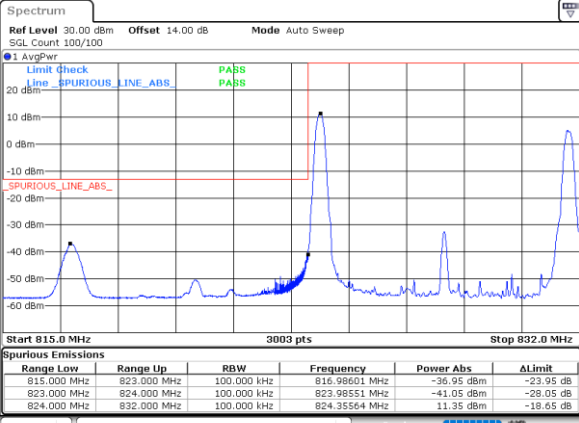


LTE Band 5B / 3MHz+5MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB24

Highest Band Edge / 1RB0 and 1RB24

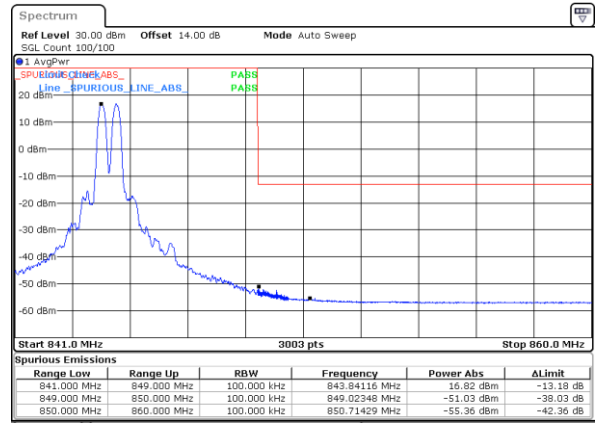
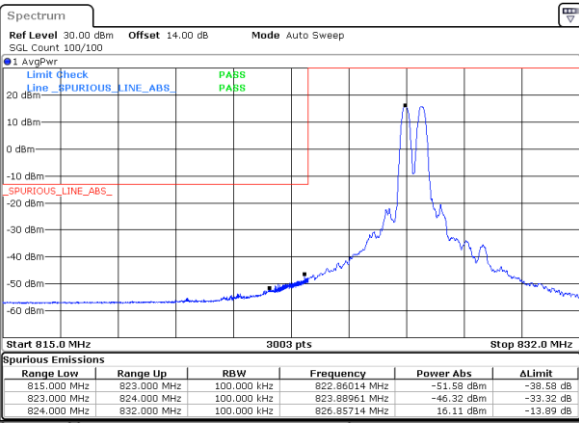


Date: 25. JAN. 2024 09:54:39

Date: 25. JAN. 2024 10:05:35

Lowest Band Edge / 1RB14 and 1RB0

Highest Band Edge / 1RB14 and 1RB0

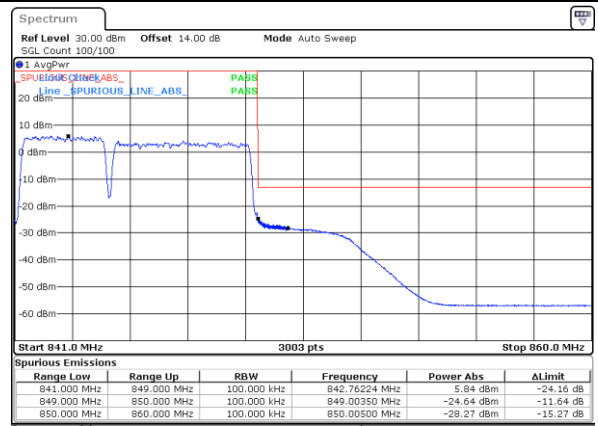
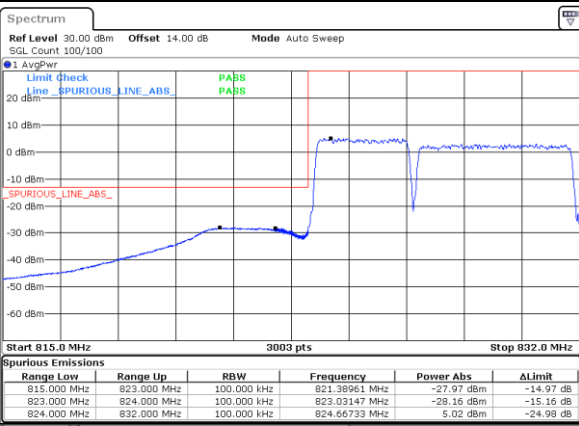


Date: 25. JAN. 2024 09:51:47

Date: 25. JAN. 2024 10:06:26

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25. JAN. 2024 09:57:30

Date: 25. JAN. 2024 10:02:44

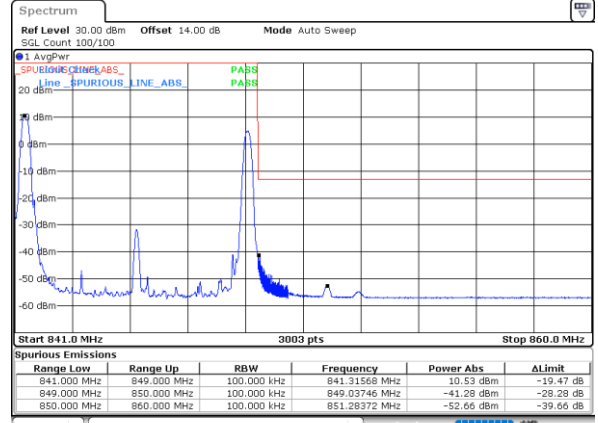
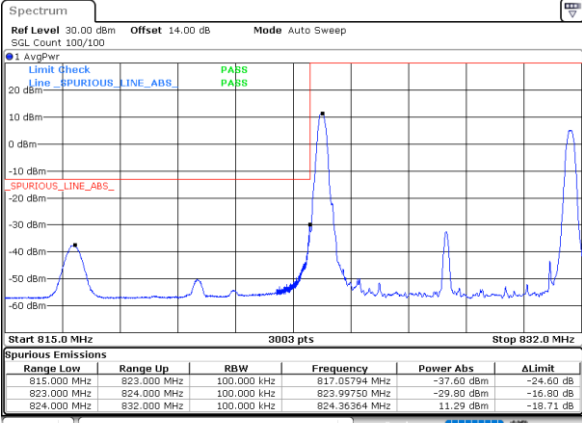


LTE Band 5B / 5MHz+3MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB14

Highest Band Edge / 1RB0 and 1RB14

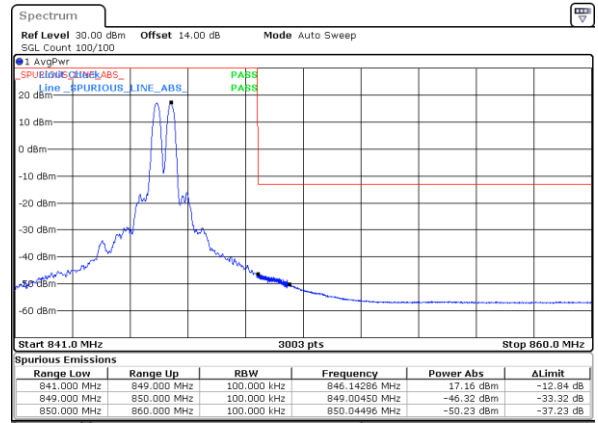
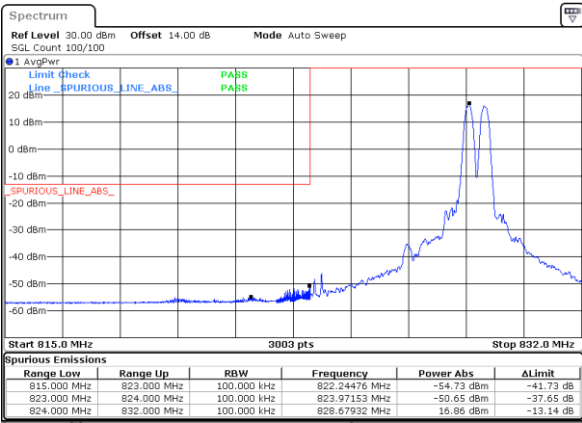


Date: 25. JAN. 2024 10:28:09

Date: 25. JAN. 2024 10:37:57

Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0

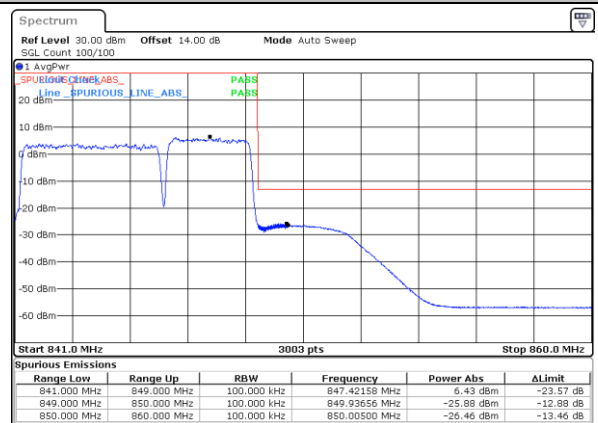
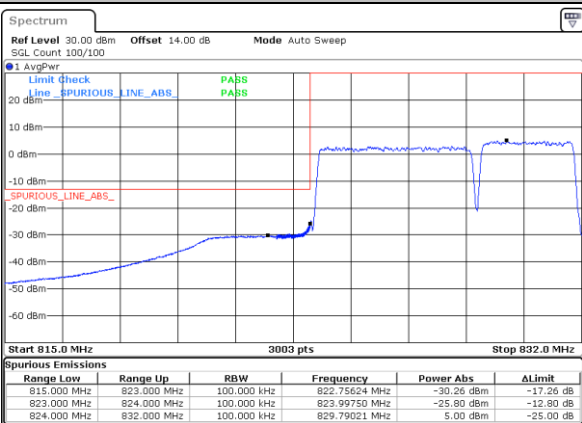


Date: 25. JAN. 2024 10:25:18

Date: 25. JAN. 2024 10:40:47

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25. JAN. 2024 10:31:00

Date: 25. JAN. 2024 10:35:08

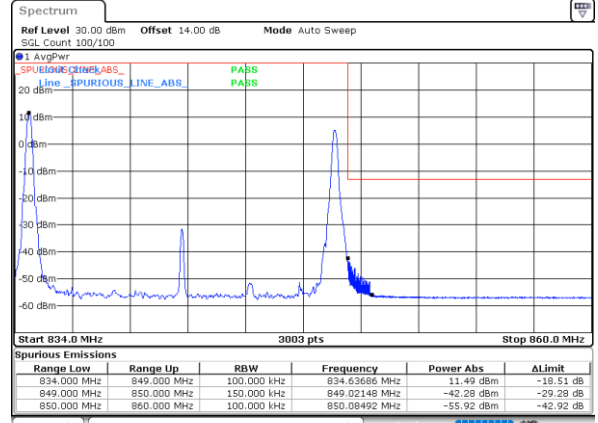
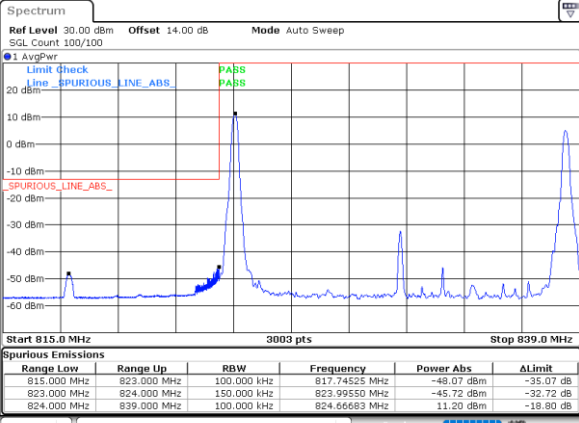


LTE Band 5B / 5MHz+10MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

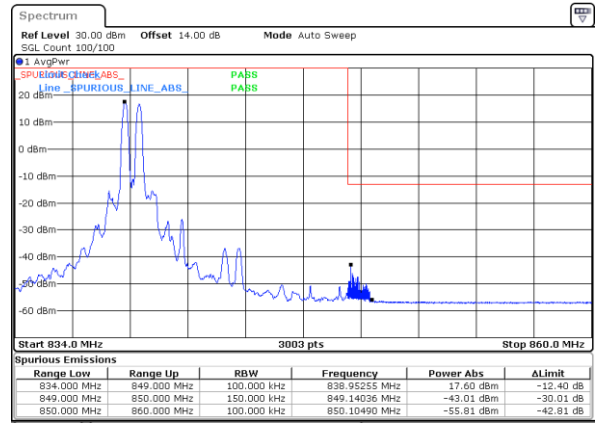
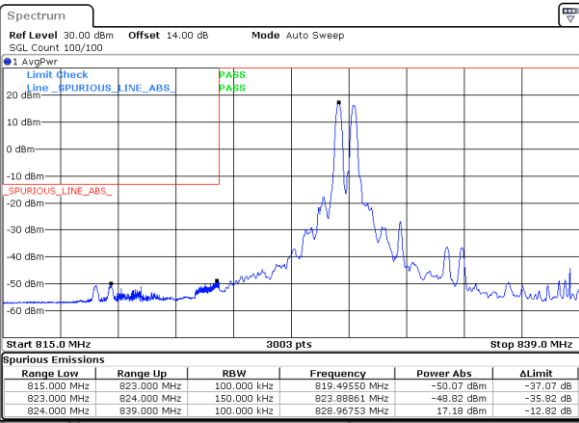


Date: 25\_JAN\_2024 10:54:34

Date: 25\_JAN\_2024 11:04:11

Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0

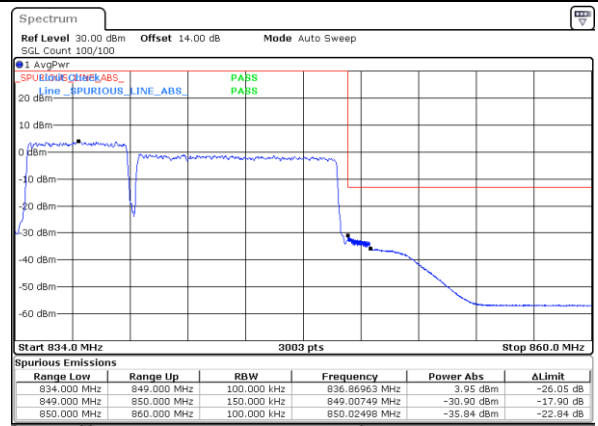
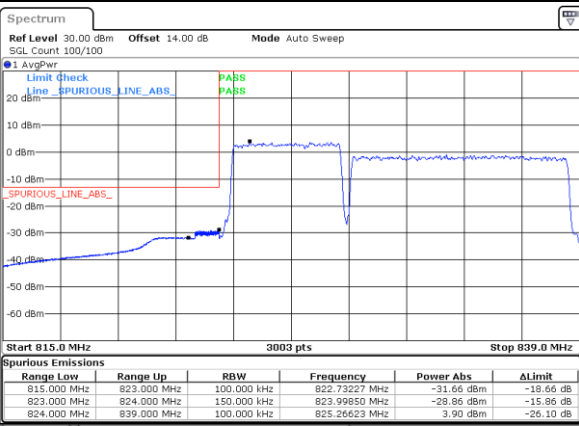


Date: 25\_JAN\_2024 10:51:42

Date: 25\_JAN\_2024 11:07:02

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25\_JAN\_2024 10:57:25

Date: 25\_JAN\_2024 11:01:20

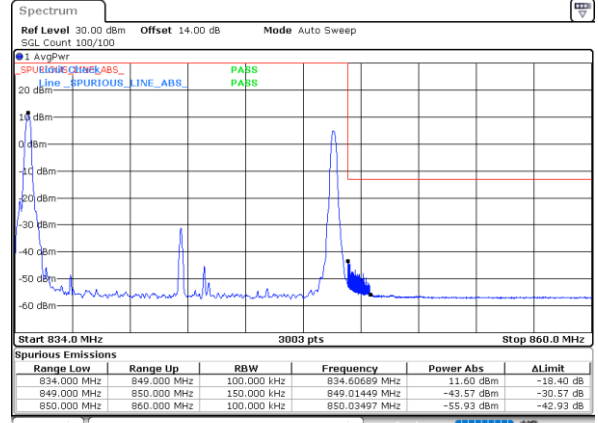
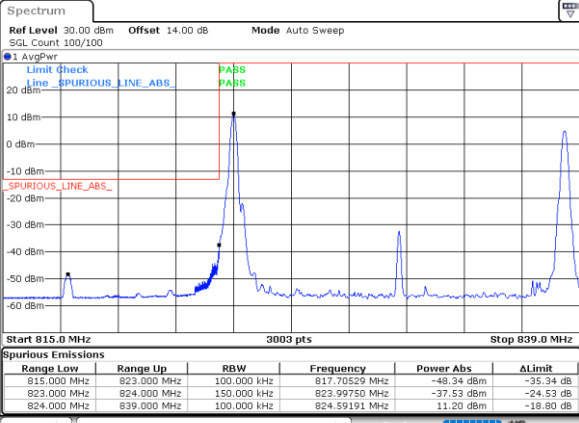


LTE Band 5B / 10MHz+5MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB24

Highest Band Edge / 1RB0 and 1RB24

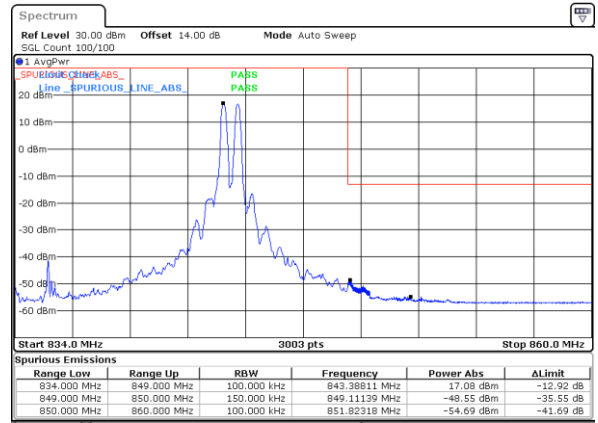


Date: 25\_JAN\_2024 11:21:05

Date: 25\_JAN\_2024 11:30:00

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

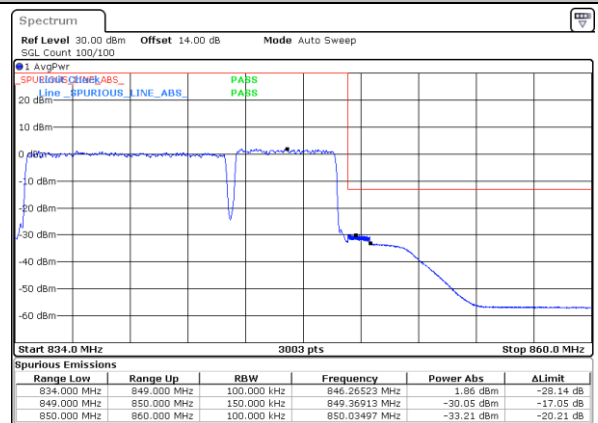
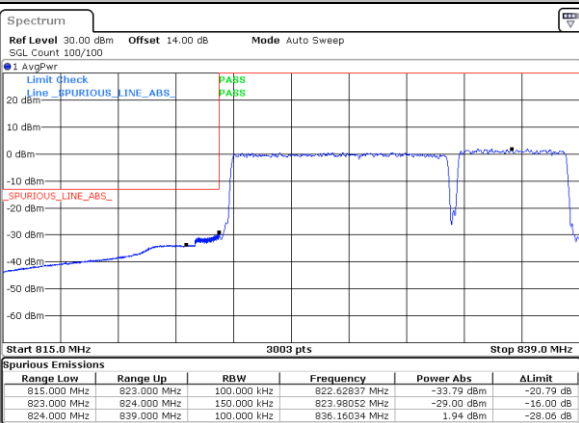


Date: 25\_JAN\_2024 11:18:14

Date: 25\_JAN\_2024 11:34:16

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25\_JAN\_2024 11:23:55

Date: 25\_JAN\_2024 11:27:10

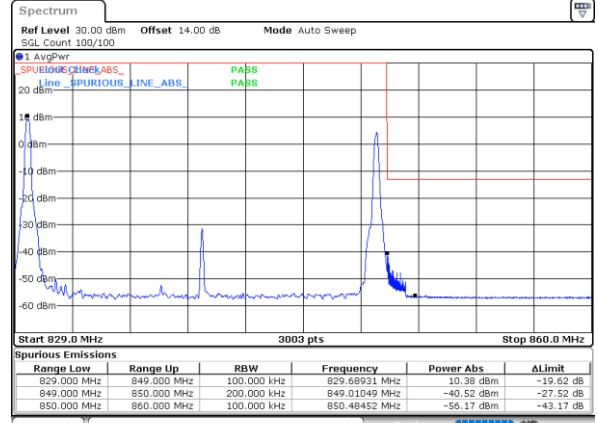
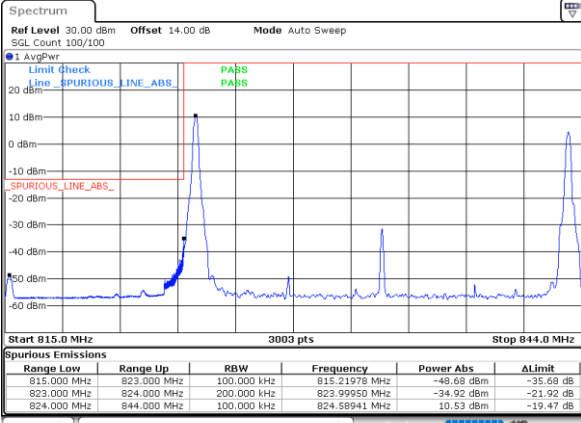


LTE Band 5B / 10MHz+10MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

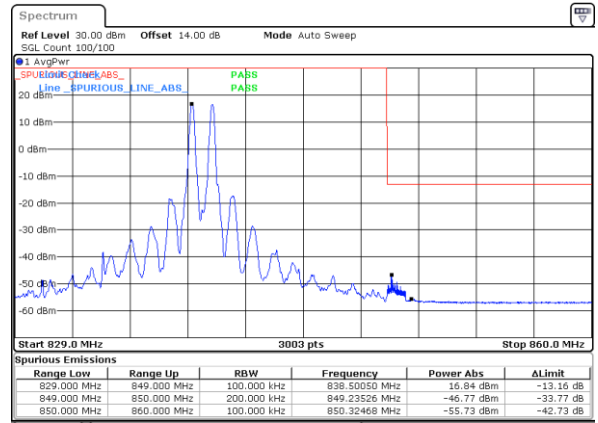
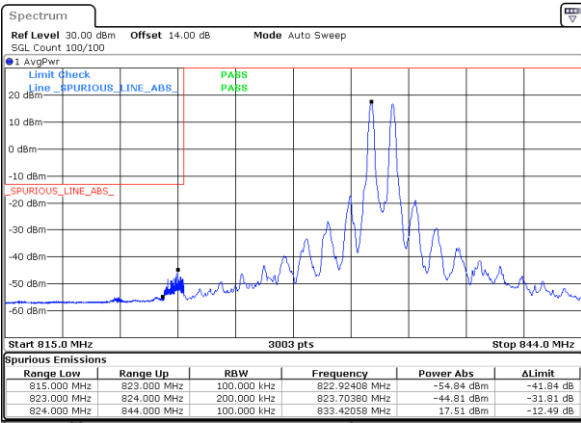


Date: 25\_JAN.2024 11:48:48

Date: 25\_JAN.2024 12:00:37

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

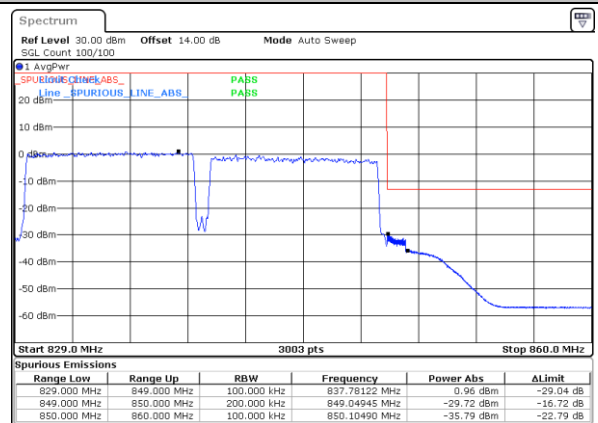
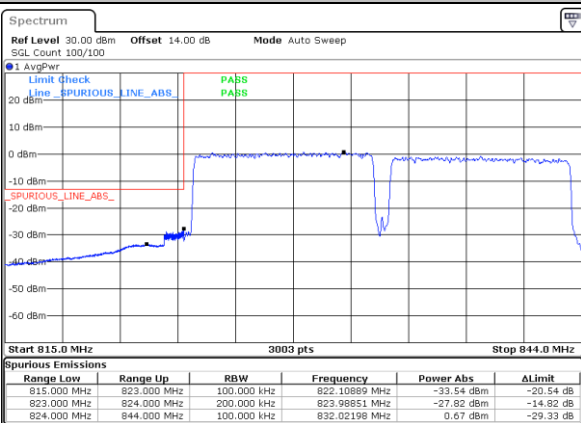


Date: 25\_JAN.2024 11:46:06

Date: 25\_JAN.2024 12:03:18

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25\_JAN.2024 11:51:29

Date: 25\_JAN.2024 11:57:56



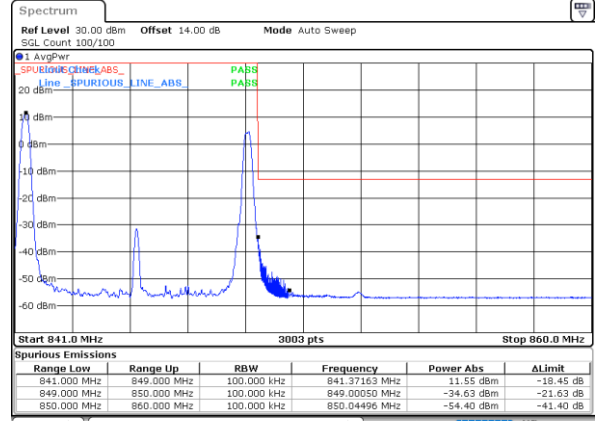
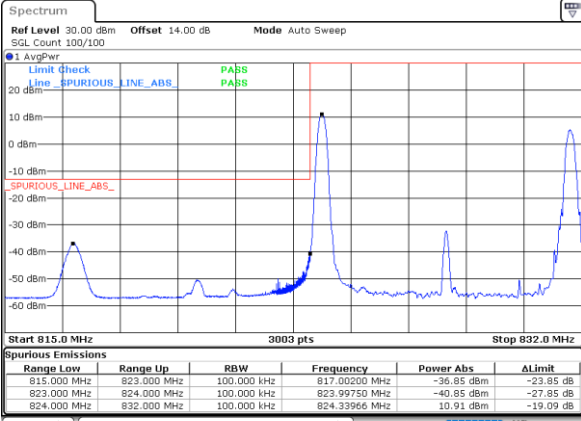


LTE Band 5B / 3MHz+5MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB24

Highest Band Edge / 1RB0 and 1RB24

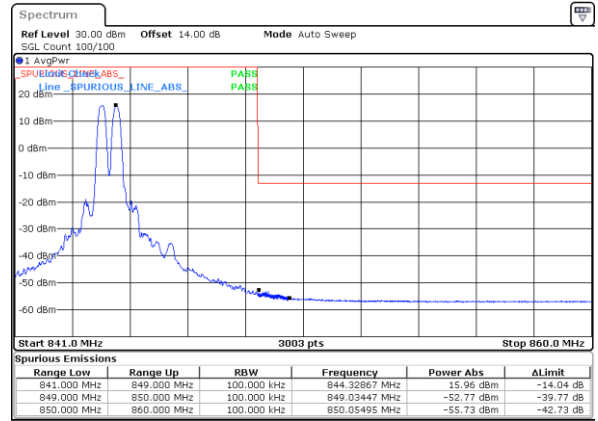
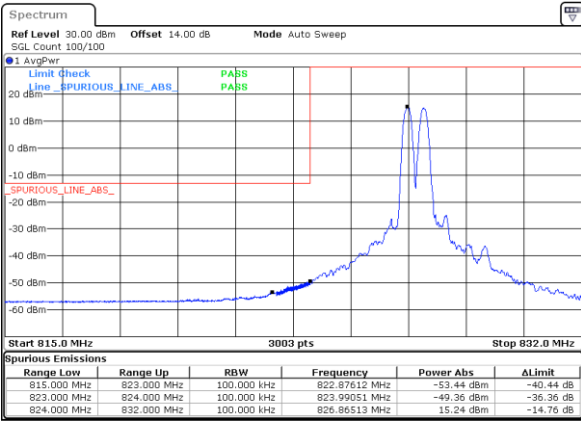


Date: 25\_JAN.2024 09:53:42

Date: 25\_JAN.2024 10:06:33

Lowest Band Edge / 1RB14 and 1RB0

Highest Band Edge / 1RB14 and 1RB0

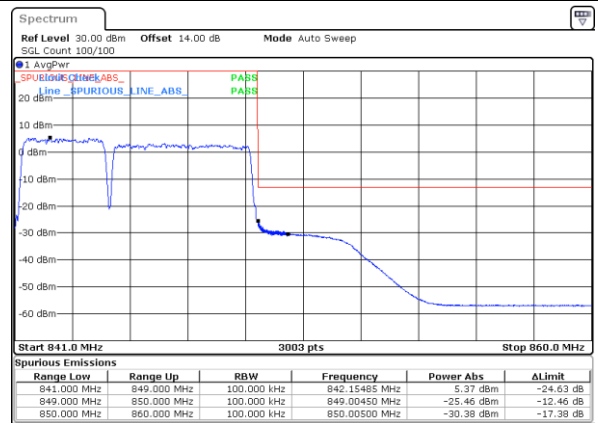
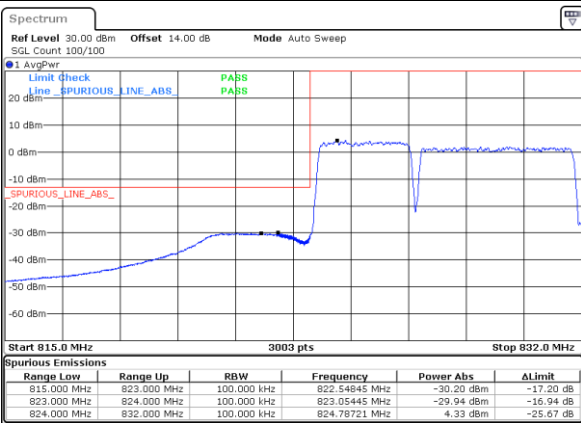


Date: 25\_JAN.2024 09:52:45

Date: 25\_JAN.2024 10:07:29

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25\_JAN.2024 09:58:28

Date: 25\_JAN.2024 10:01:48

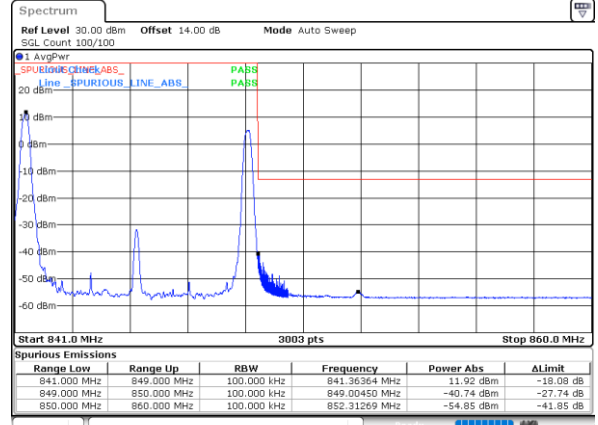
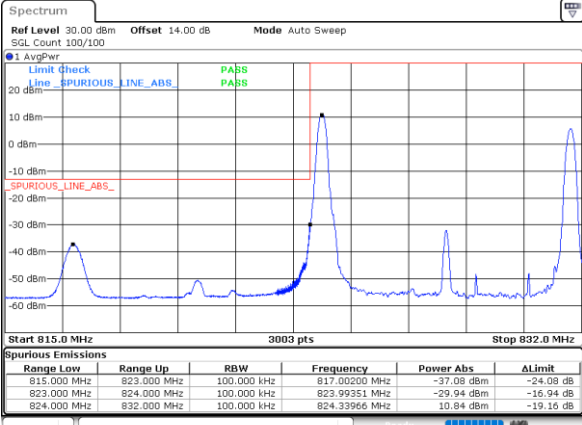


LTE Band 5B / 5MHz+3MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB14

Highest Band Edge / 1RB0 and 1RB14

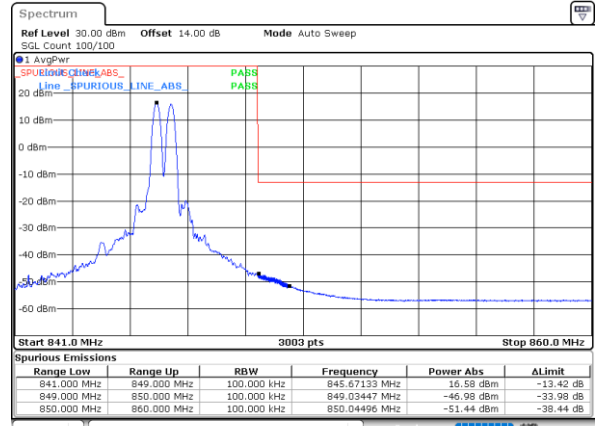
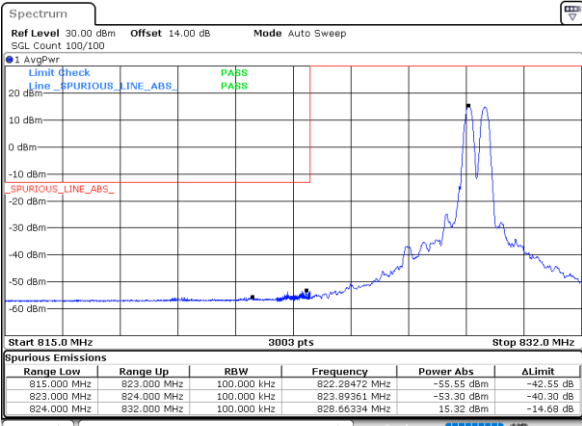


Date: 25. JAN. 2024 10:27:12

Date: 25. JAN. 2024 10:38:54

Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0

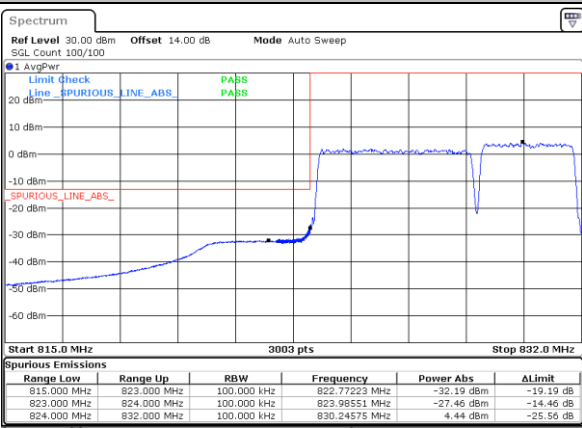


Date: 25. JAN. 2024 10:26:15

Date: 25. JAN. 2024 10:39:51

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25. JAN. 2024 10:31:56

Date: 25. JAN. 2024 10:34:11

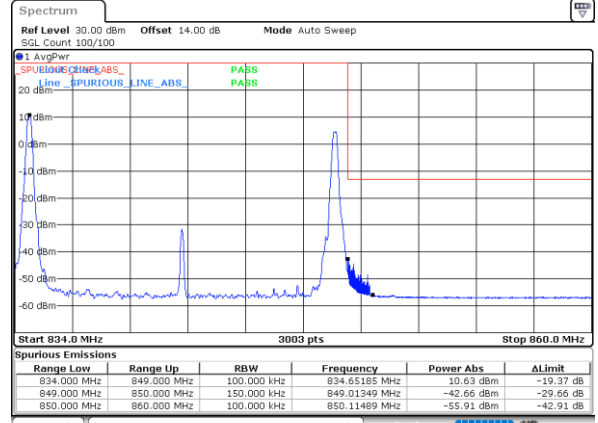
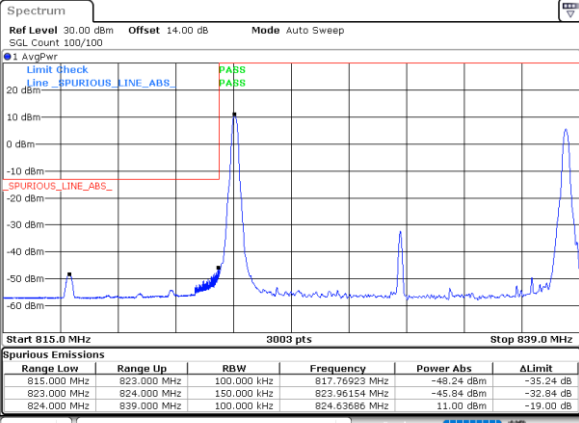


LTE Band 5B / 5MHz+10MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

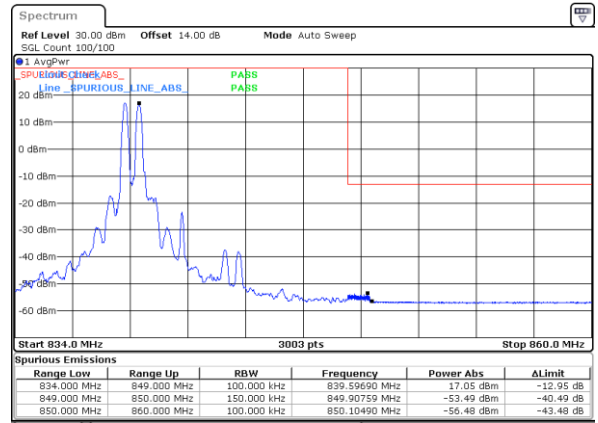
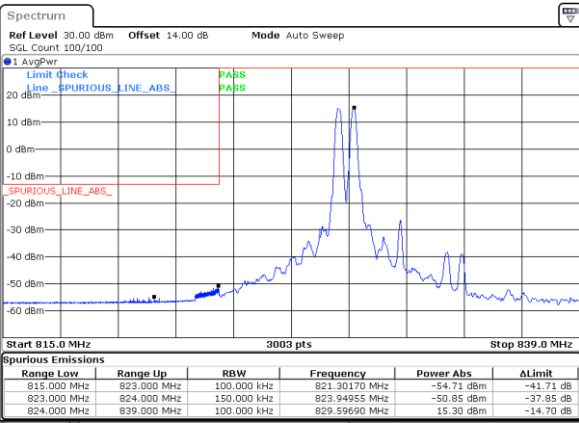


Date: 25\_JAN\_2024 10:53:37

Date: 25\_JAN\_2024 11:05:08

Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0

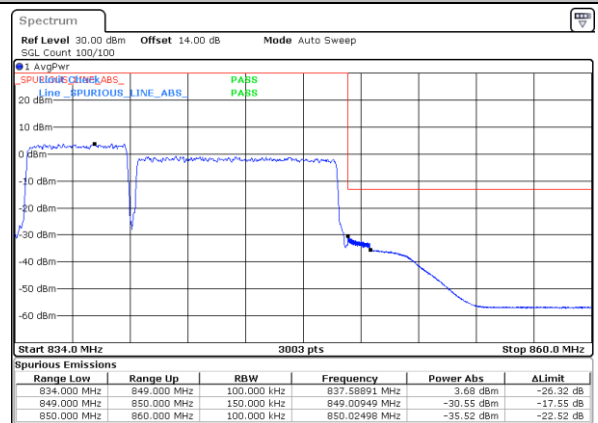
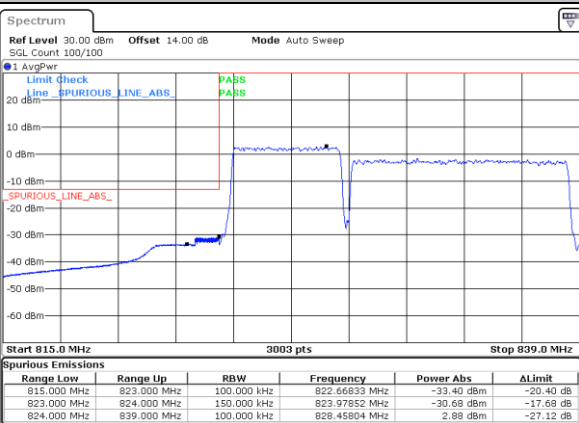


Date: 25\_JAN\_2024 10:52:40

Date: 25\_JAN\_2024 11:06:05

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25\_JAN\_2024 10:58:23

Date: 25\_JAN\_2024 11:00:23