



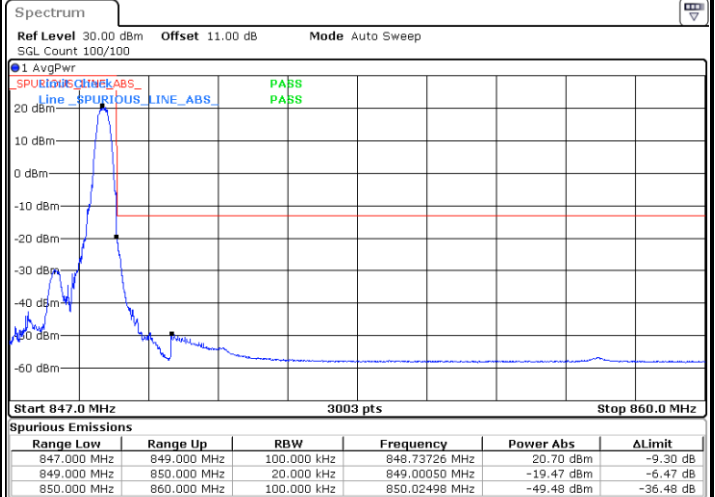
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



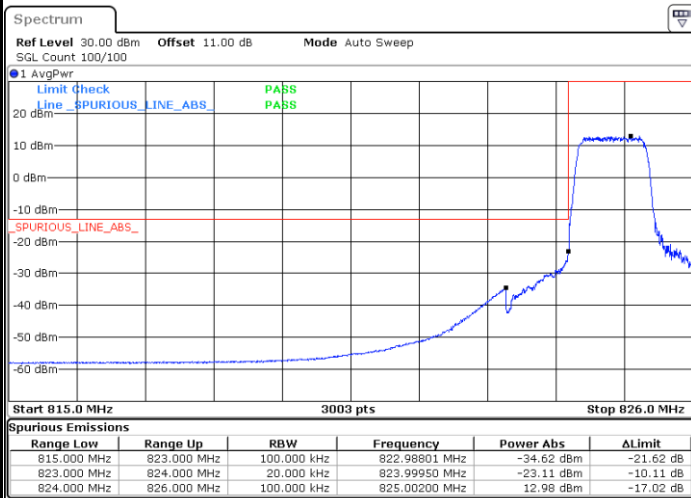
Date: 21.DEC.2023 16:24:37

Highest Band Edge / 1 RB



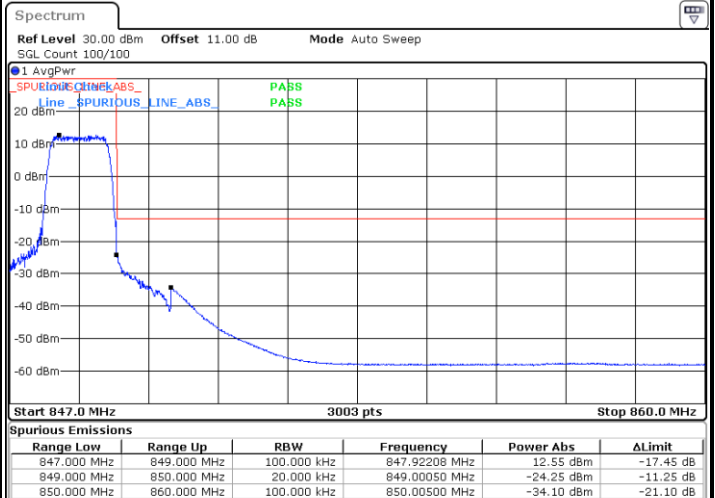
Date: 21.DEC.2023 16:37:16

Lowest Band Edge / Full RB



Date: 21.DEC.2023 16:28:08

Highest Band Edge / Full RB

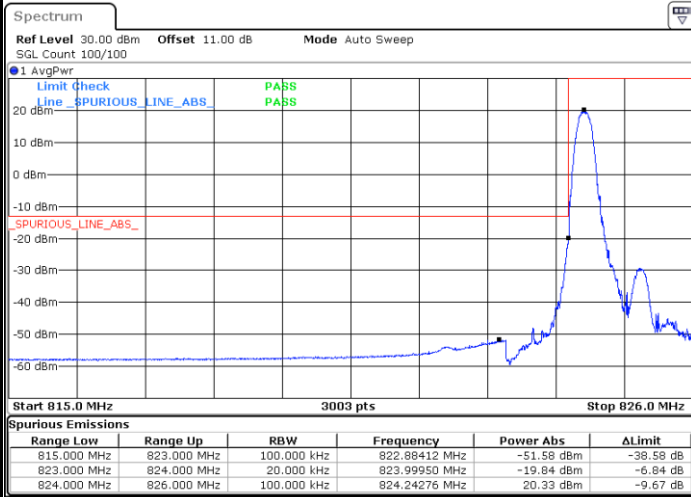


Date: 21.DEC.2023 16:45:07



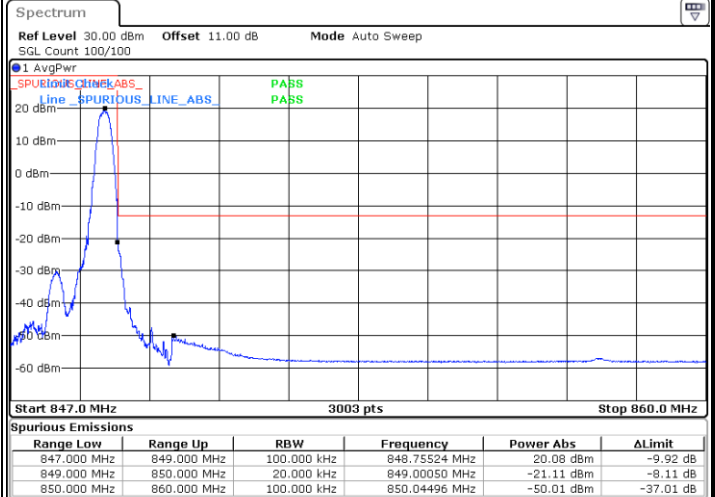
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



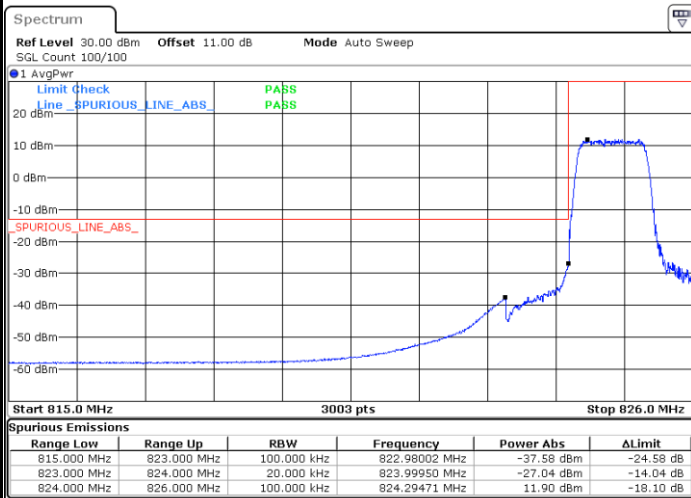
Date: 21.DEC.2023 16:25:29

Highest Band Edge / 1 RB



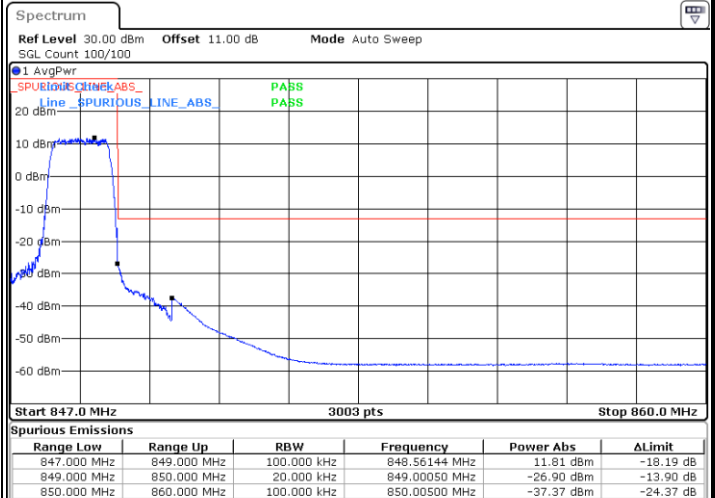
Date: 21.DEC.2023 16:38:08

Lowest Band Edge / Full RB



Date: 21.DEC.2023 16:29:00

Highest Band Edge / Full RB

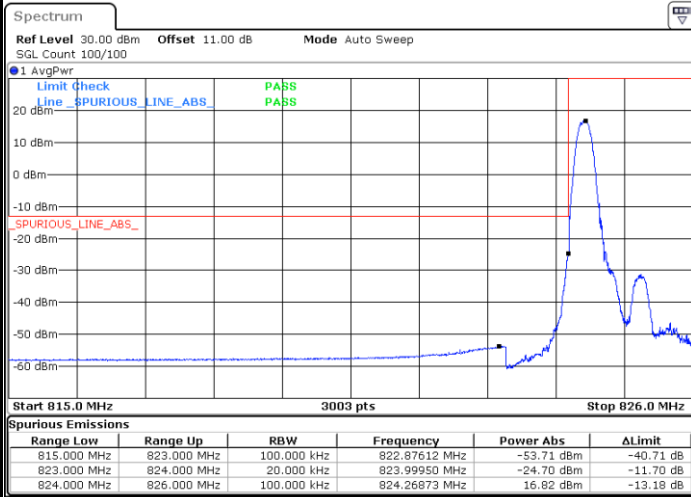


Date: 21.DEC.2023 16:45:59



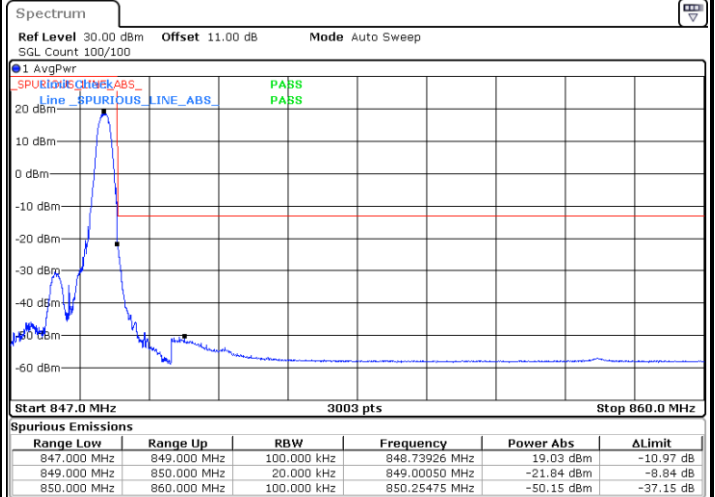
LTE Band 5 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



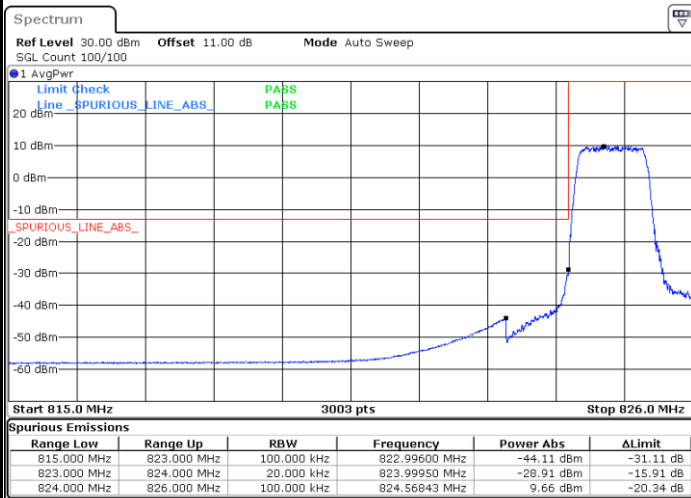
Date: 21.DEC.2023 16:26:21

Highest Band Edge / 1 RB



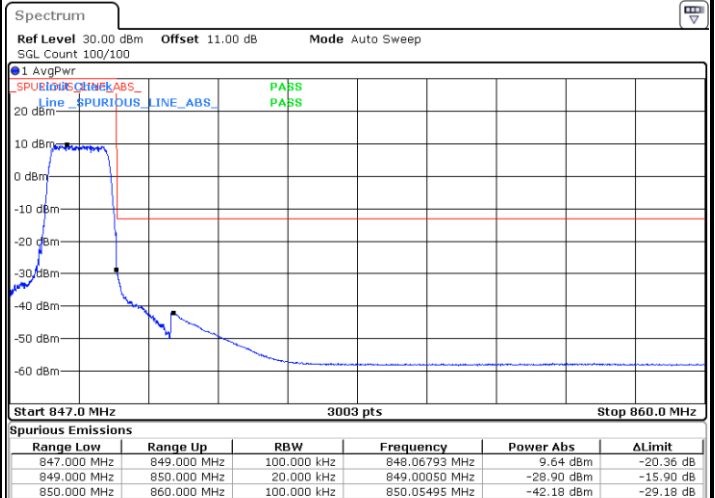
Date: 21.DEC.2023 19:27:28

Lowest Band Edge / Full RB



Date: 21.DEC.2023 16:29:52

Highest Band Edge / Full RB

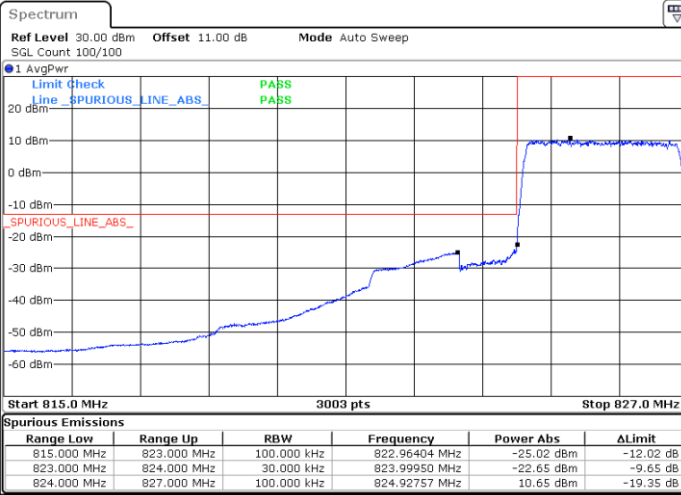


Date: 21.DEC.2023 16:46:51



LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / Full RB



Date: 21.DEC.2023 16:53:04

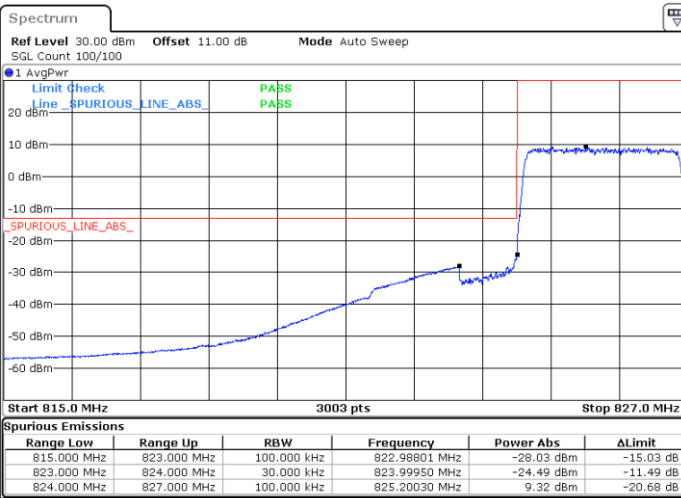
Highest Band Edge / Full RB



Date: 21.DEC.2023 17:14:40

LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / Full RB



Date: 21.DEC.2023 16:53:56

Highest Band Edge / Full RB

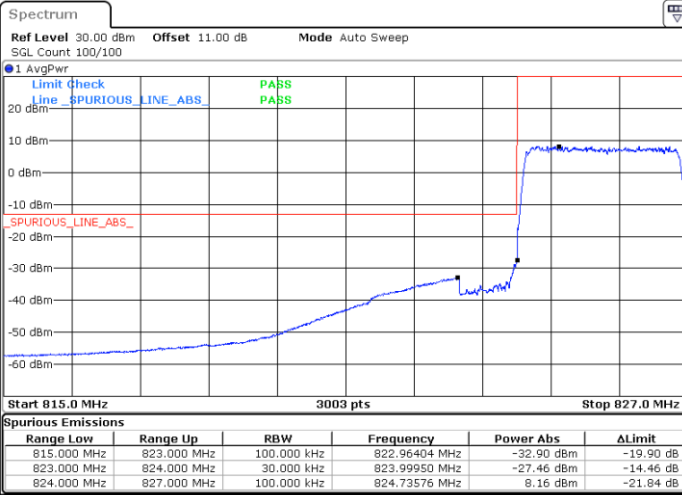


Date: 21.DEC.2023 17:15:32



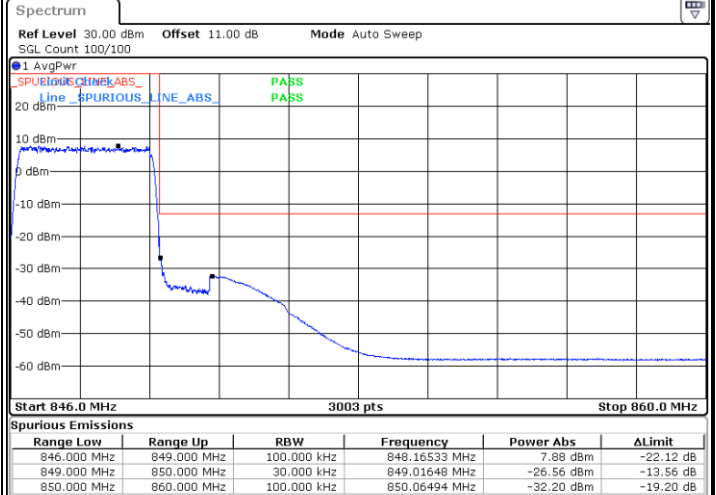
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / Full RB



Date: 21.DEC.2023 16:54:48

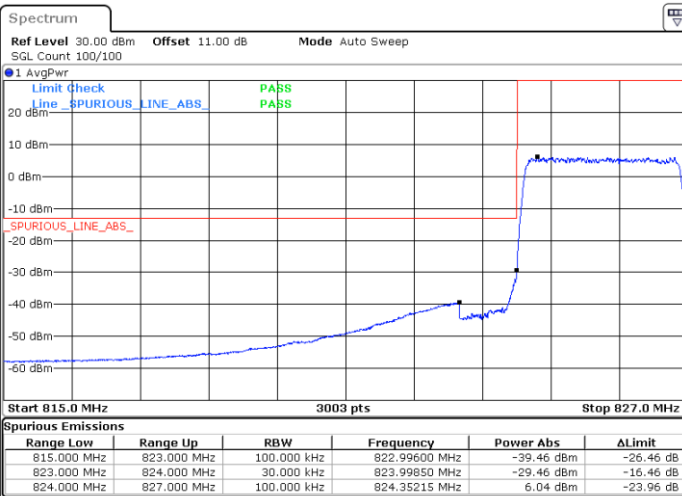
Highest Band Edge / Full RB



Date: 21.DEC.2023 17:16:24

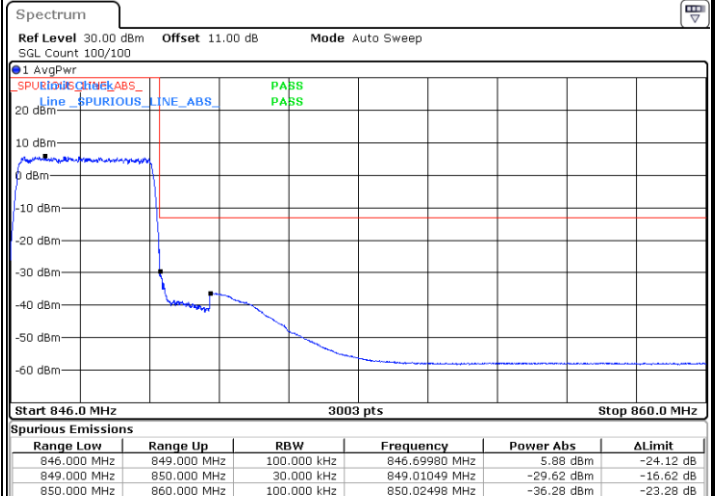
LTE Band 5 / 3MHz / 256QAM

Lowest Band Edge / Full RB



Date: 21.DEC.2023 17:03:54

Highest Band Edge / Full RB

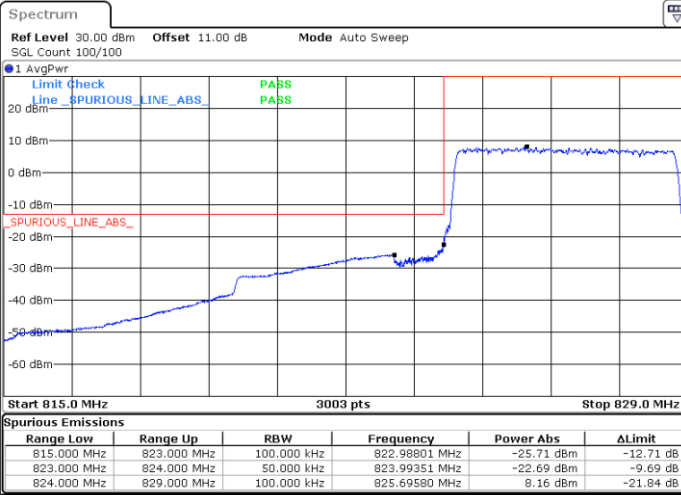


Date: 21.DEC.2023 17:17:16



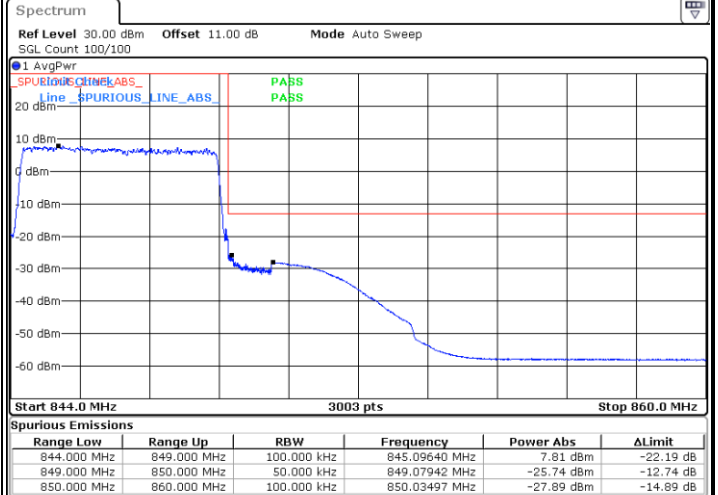
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / Full RB



Date: 21.DEC.2023 17:23:18

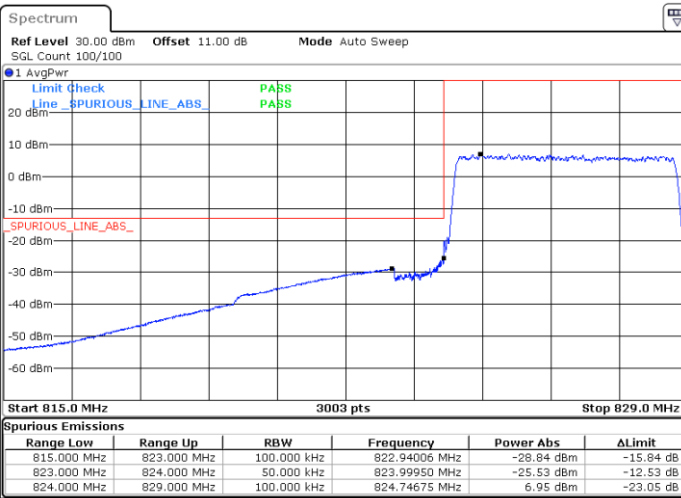
Highest Band Edge / Full RB



Date: 21.DEC.2023 17:35:57

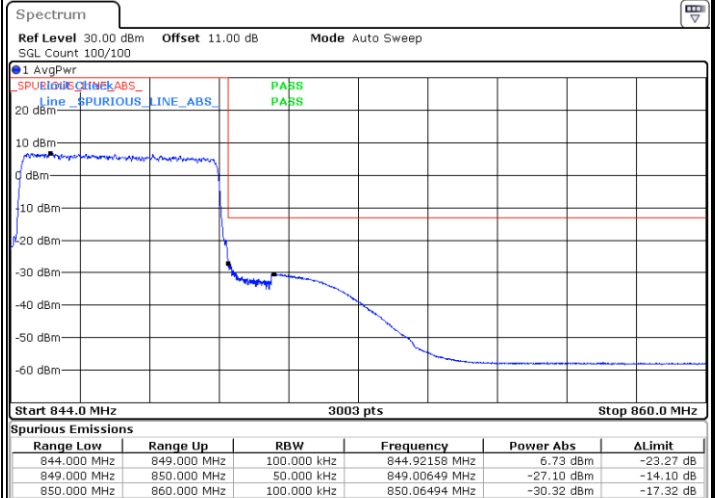
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / Full RB



Date: 21.DEC.2023 17:24:10

Highest Band Edge / Full RB

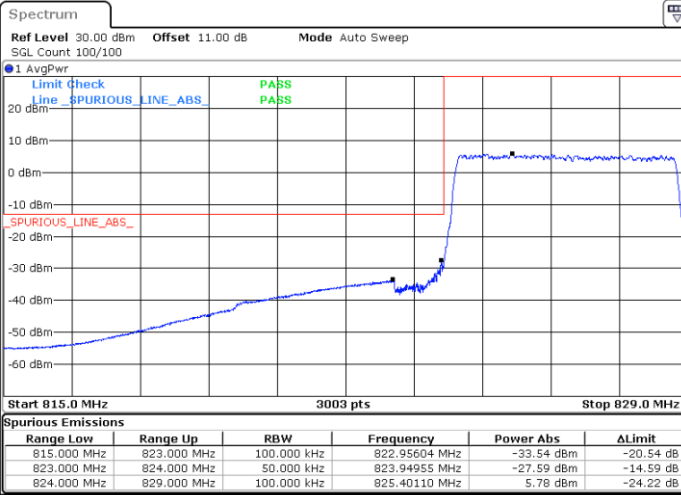


Date: 21.DEC.2023 17:36:49



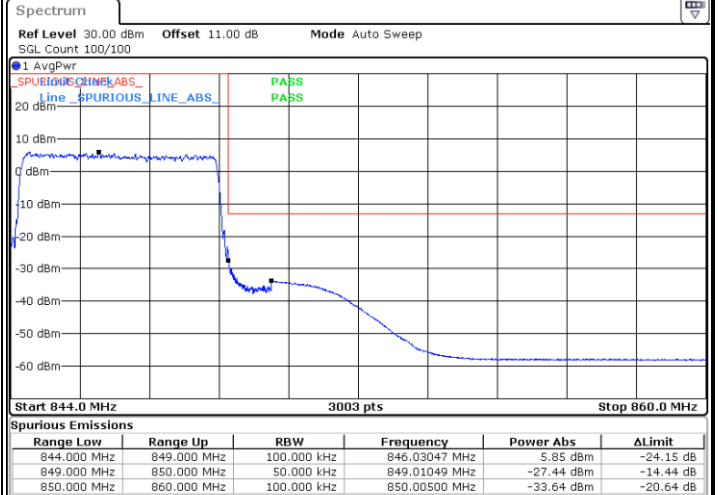
LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / Full RB



Date: 21.DEC.2023 17:25:02

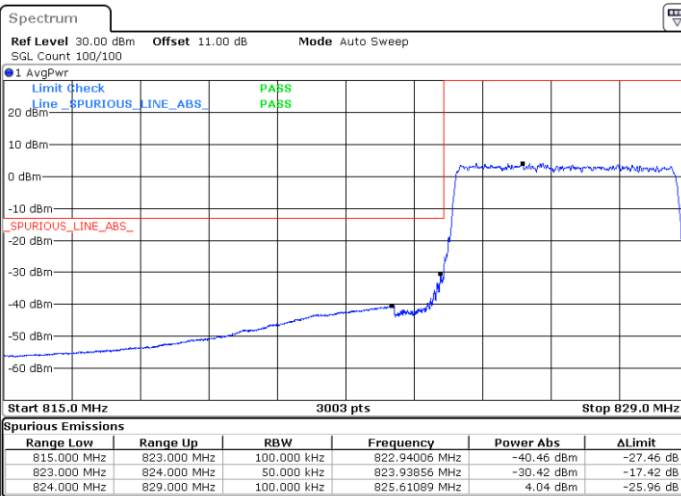
Highest Band Edge / Full RB



Date: 21.DEC.2023 17:37:41

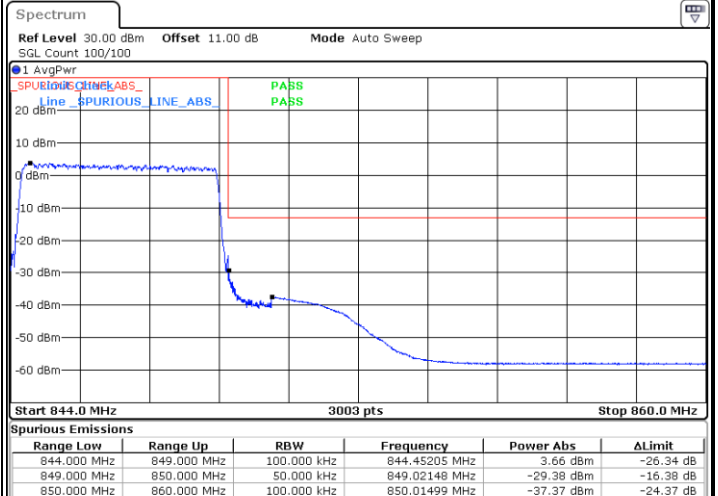
LTE Band 5 / 5MHz / 256QAM

Lowest Band Edge / Full RB



Date: 21.DEC.2023 17:25:54

Highest Band Edge / Full RB

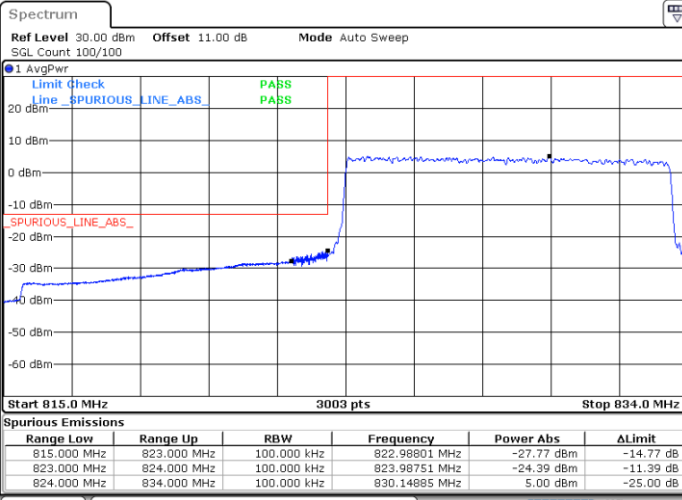


Date: 21.DEC.2023 17:38:33



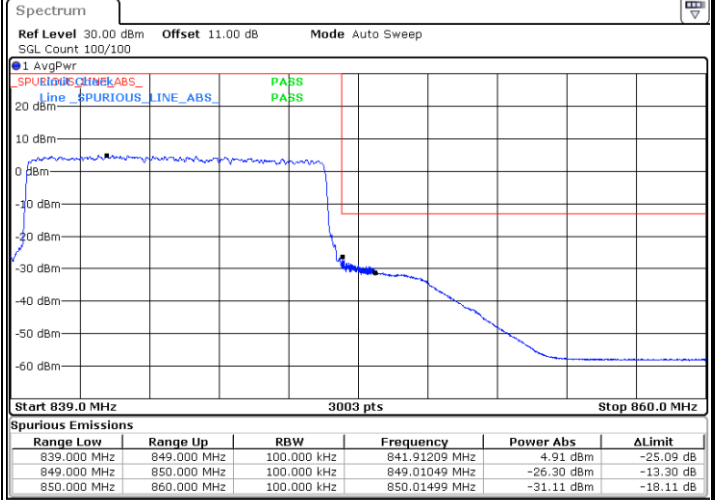
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / Full RB



Date: 21.DEC.2023 18:37:38

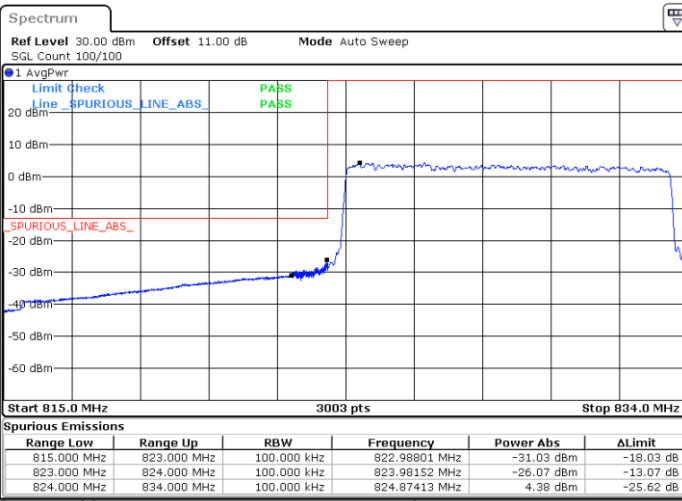
Highest Band Edge / Full RB



Date: 21.DEC.2023 19:08:32

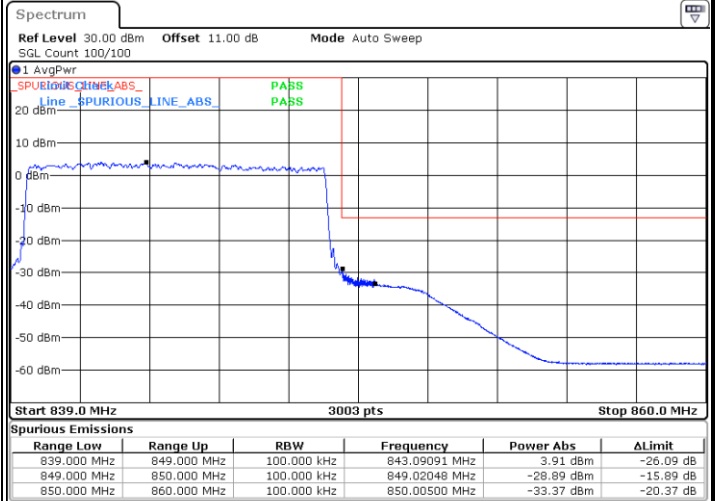
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / Full RB



Date: 21.DEC.2023 18:38:30

Highest Band Edge / Full RB

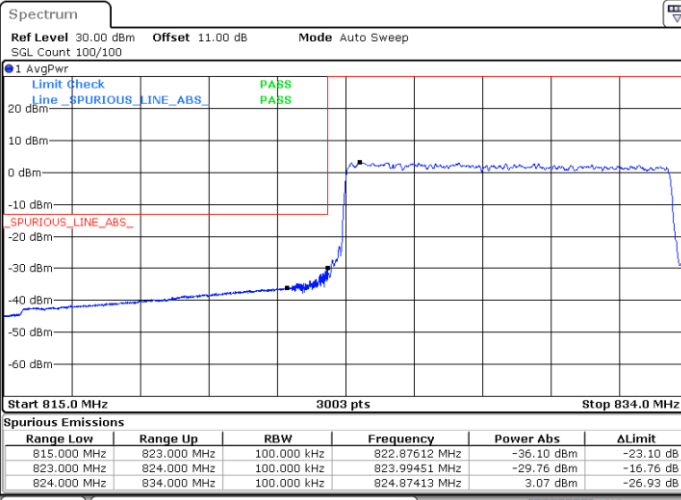


Date: 21.DEC.2023 19:09:24



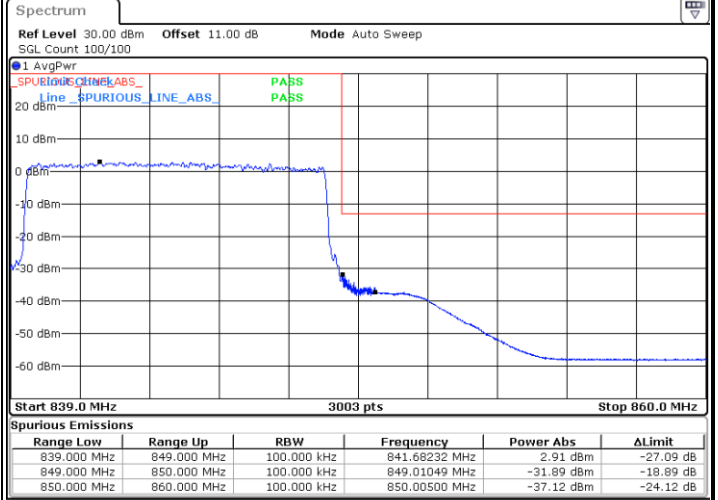
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / Full RB



Date: 21.DEC.2023 18:39:22

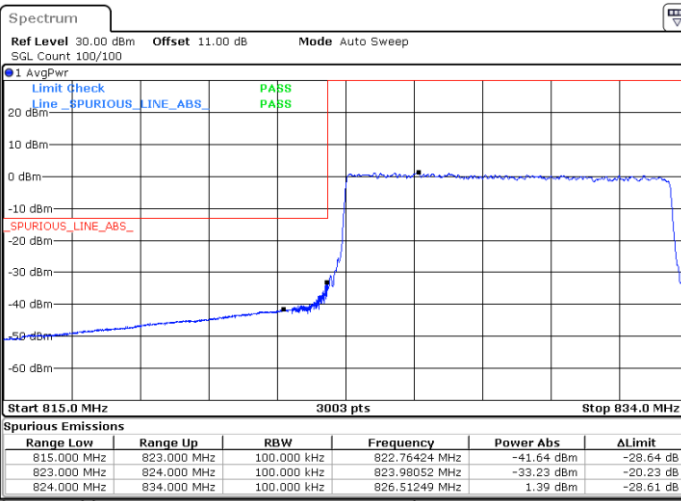
Highest Band Edge / Full RB



Date: 21.DEC.2023 19:10:16

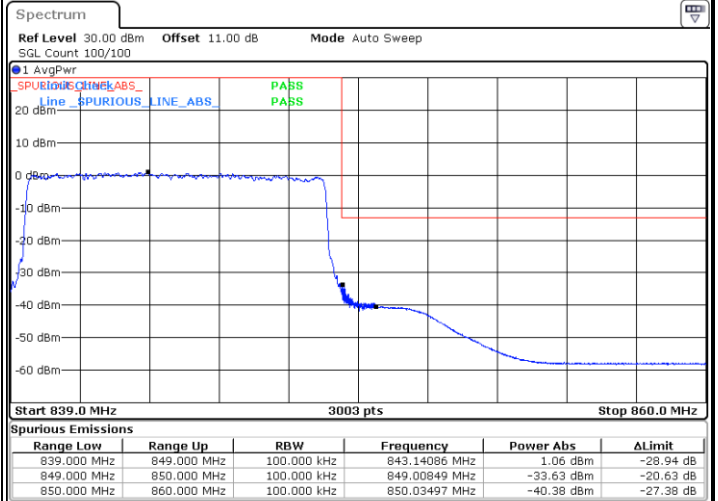
LTE Band 5 / 10MHz / 256QAM

Lowest Band Edge / Full RB



Date: 21.DEC.2023 18:40:14

Highest Band Edge / Full RB



Date: 21.DEC.2023 19:11:08

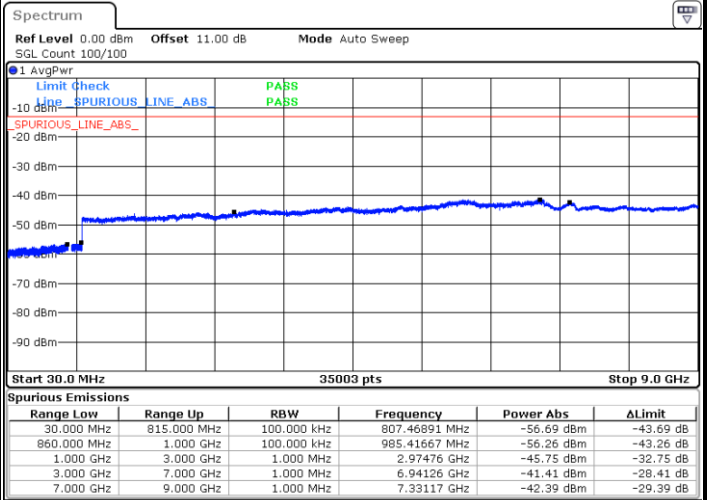
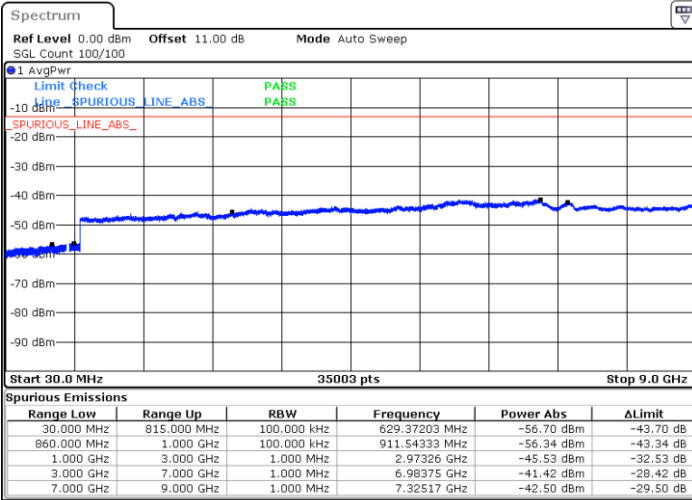


Conducted Spurious Emission

LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

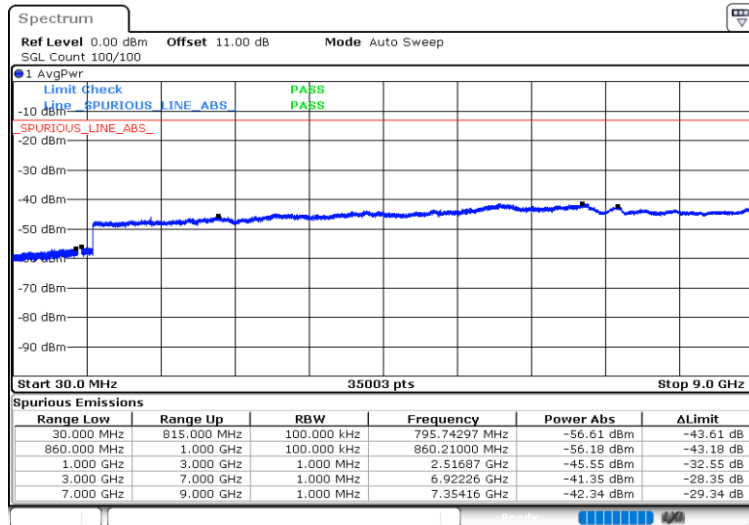
Middle Channel / QPSK



Date: 21.DEC.2023 16:23:45

Date: 21.DEC.2023 16:34:22

Highest Channel / QPSK



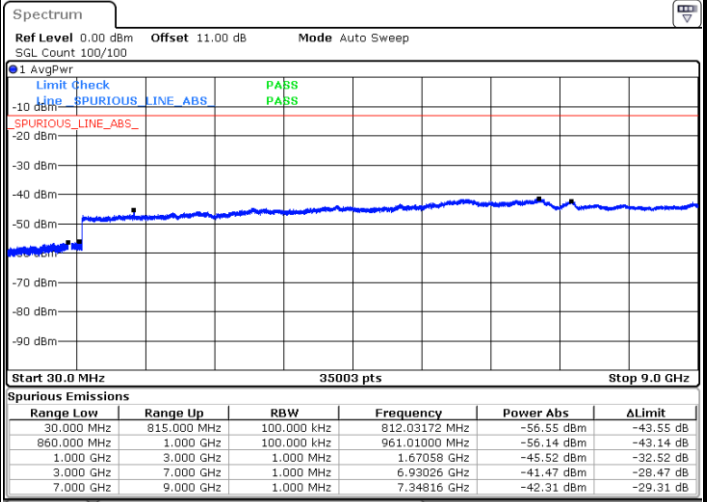
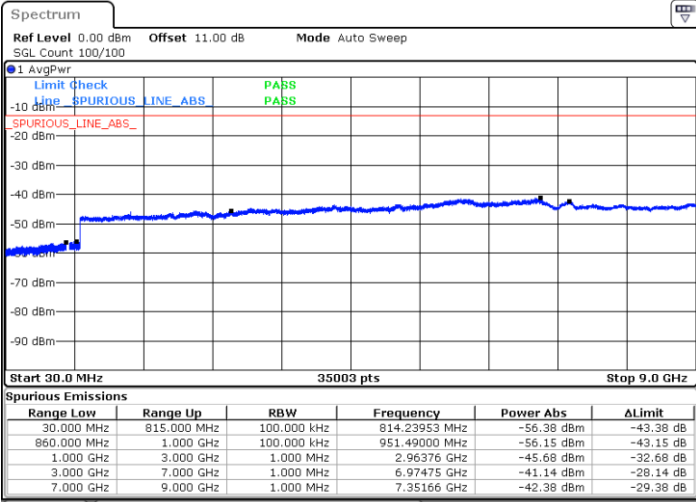
Date: 21.DEC.2023 16:35:32



LTE Band 5 / 3MHz

Lowest Channel / QPSK

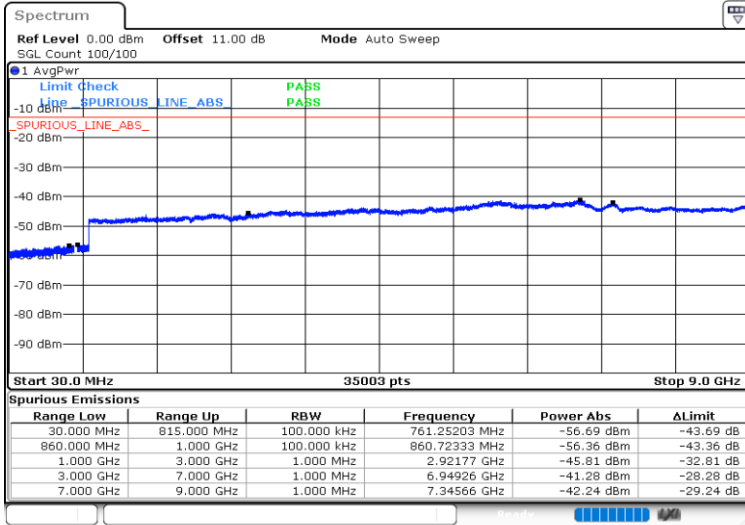
Middle Channel / QPSK



Date: 21.DEC.2023 16:49:33

Date: 21.DEC.2023 17:09:06

Highest Channel / QPSK



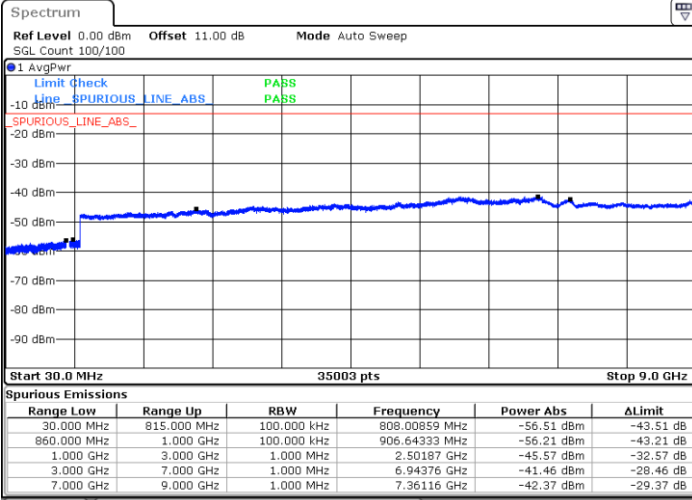
Date: 21.DEC.2023 17:10:17



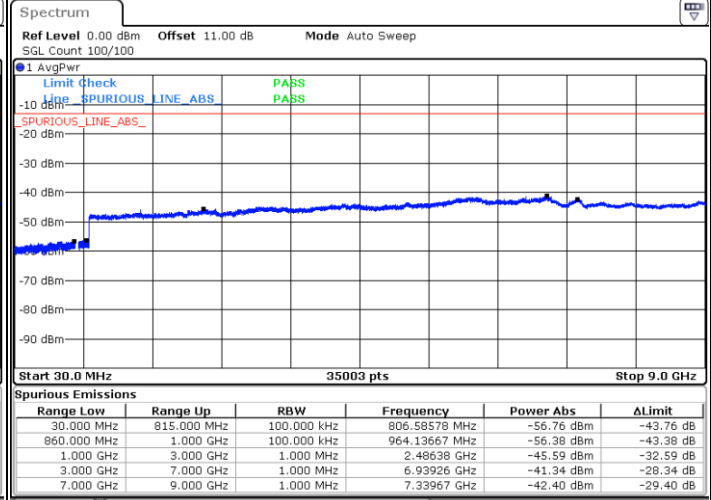
LTE Band 5 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

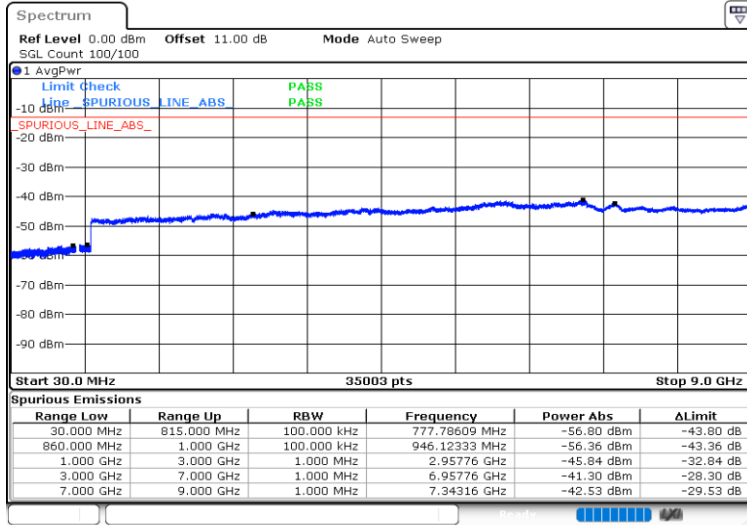


Date: 21.DEC.2023 17:19:47



Date: 21.DEC.2023 17:30:23

Highest Channel / QPSK



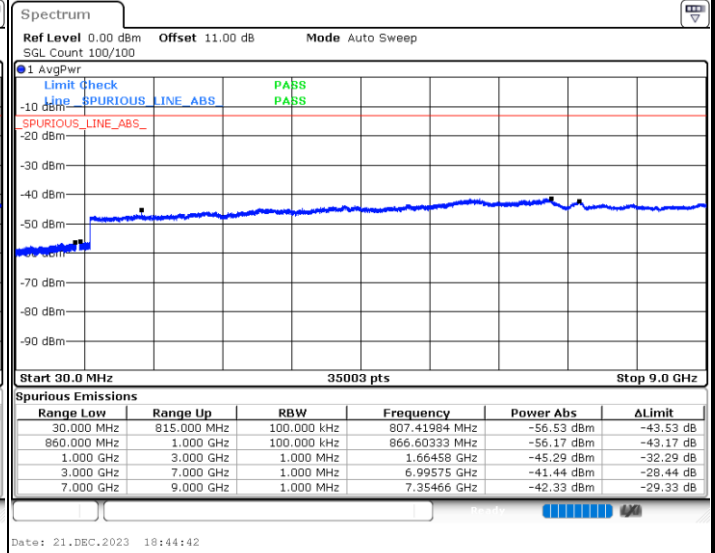
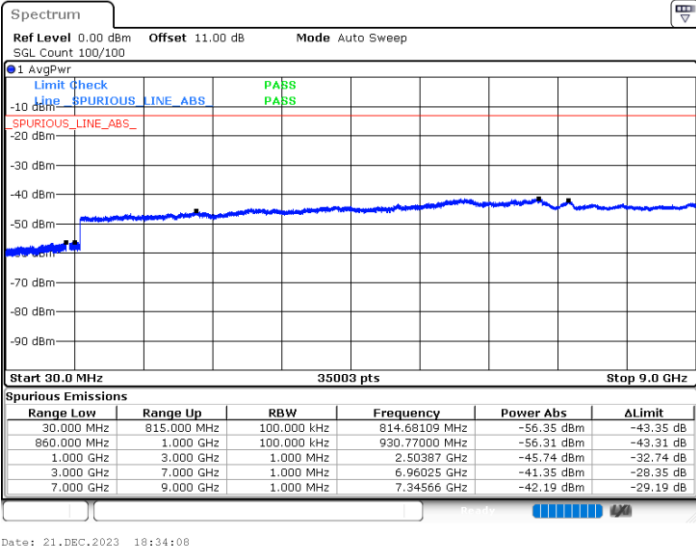
Date: 21.DEC.2023 17:31:34



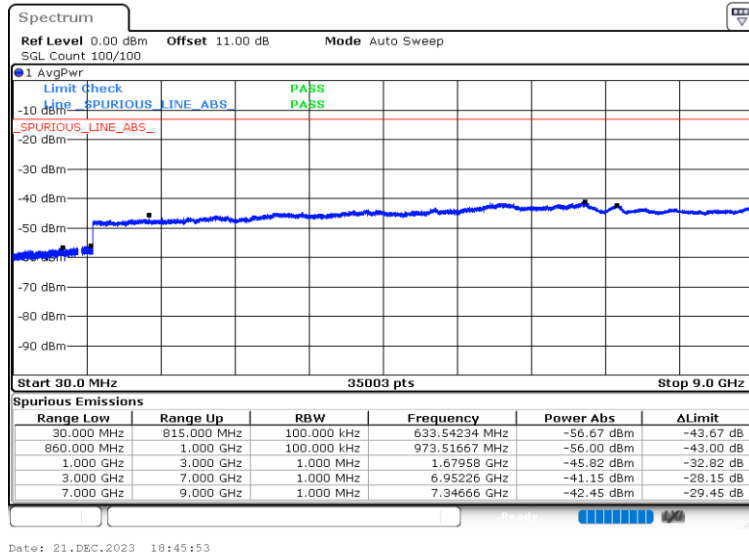
LTE Band 5 / 10MHz

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	2.5 ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0084	PASS
40	Normal Voltage	0.0037	
30	Normal Voltage	0.0072	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0084	
0	Normal Voltage	0.0074	
-10	Normal Voltage	0.0127	
-20	Normal Voltage	0.0073	
-30	Normal Voltage	0.0069	
20	Maximum Voltage	0.0065	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0055	

Note:

- 1. Normal Voltage = 3.8 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.2 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	8.16	8.21	14.59
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.77	9.94	-

Mode	LTE Band 5B : 26dB BW(MHz)		
16QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	8.16	8.18	14.56
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.80	9.86	-

Mode	LTE Band 5B : 26dB BW(MHz)		
64QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	8.13	8.26	14.71
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.80	9.91	-

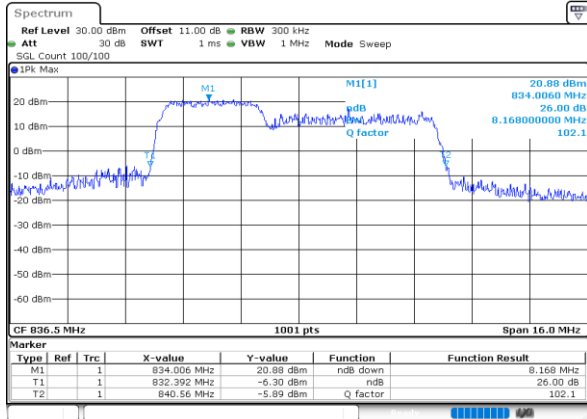
Mode	LTE Band 5B : 26dB BW(MHz)		
256QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	8.15	8.26	14.59
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.89	9.91	-



LTE Band 5B

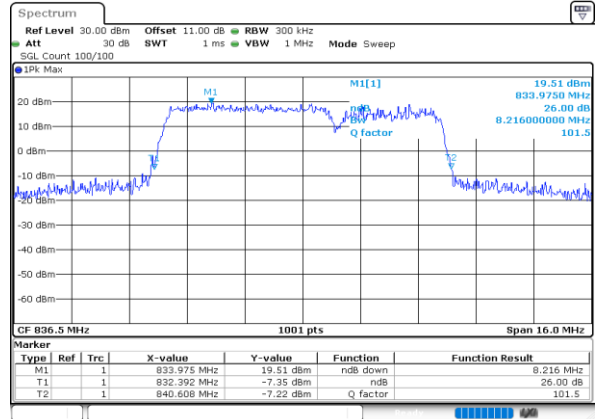
QPSK

Middle Channel / 3MHz+5MHz



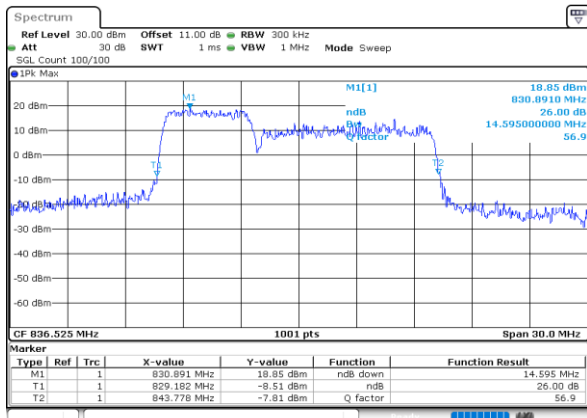
Date: 28. DEC. 2023 10:19:09

Middle Channel / 5MHz+3MHz



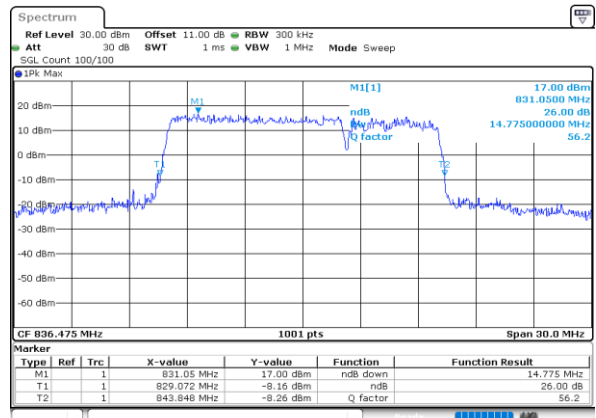
Date: 28. DEC. 2023 10:15:29

Middle Channel / 5MHz+10MHz



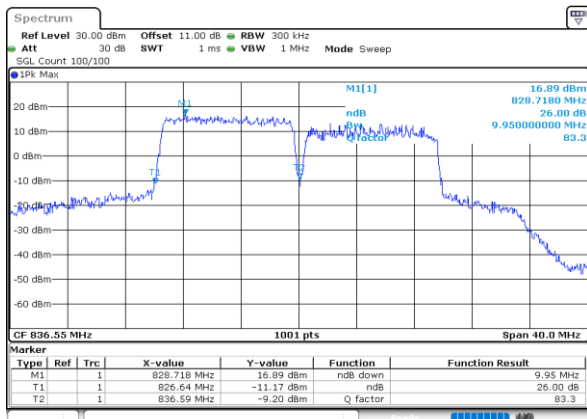
Date: 28. DEC. 2023 11:35:30

Middle Channel / 10MHz+5MHz



Date: 28. DEC. 2023 12:12:34

Middle Channel / 10MHz+10MHz



Date: 28. DEC. 2023 12:49:19

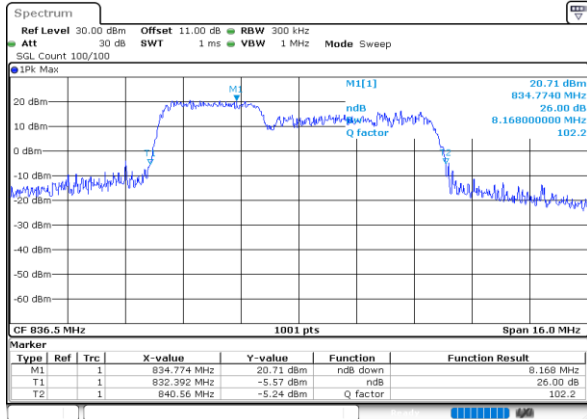
N/A



LTE Band 5B

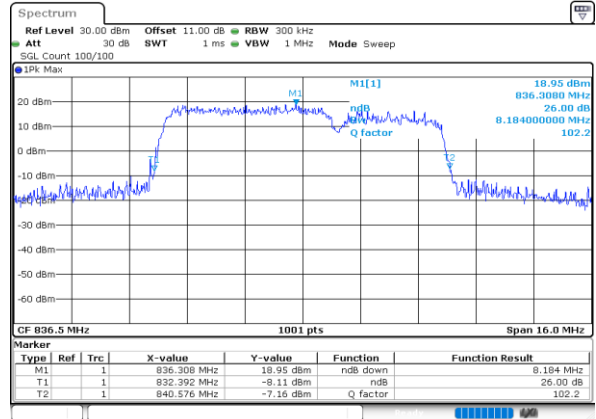
16QAM

Middle Channel / 3MHz+5MHz



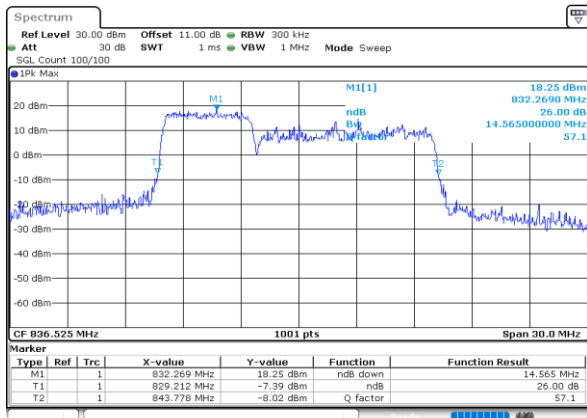
Date: 28. DEC. 2023 10:19:35

Middle Channel / 5MHz+3MHz



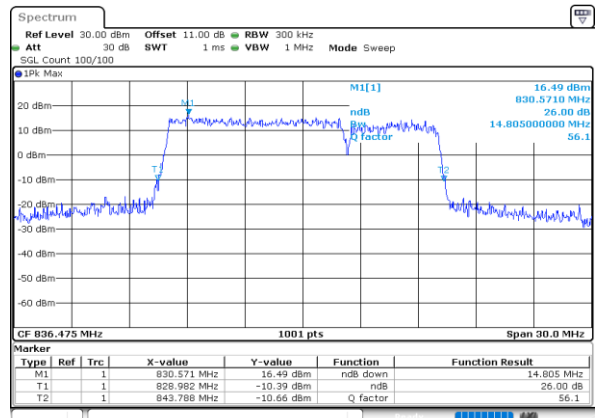
Date: 28. DEC. 2023 10:15:54

Middle Channel / 5MHz+10MHz



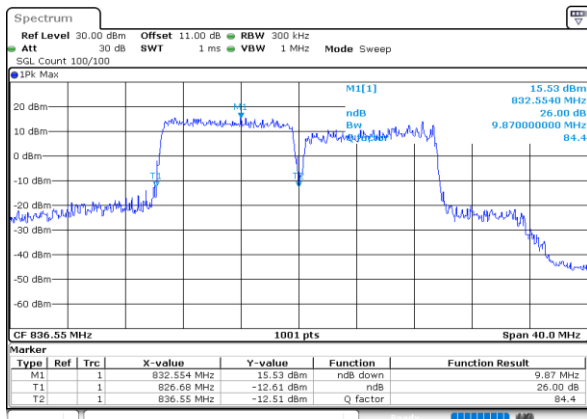
Date: 28. DEC. 2023 11:35:55

Middle Channel / 10MHz+5MHz



Date: 28. DEC. 2023 12:12:59

Middle Channel / 10MHz+10MHz



Date: 28. DEC. 2023 12:49:44

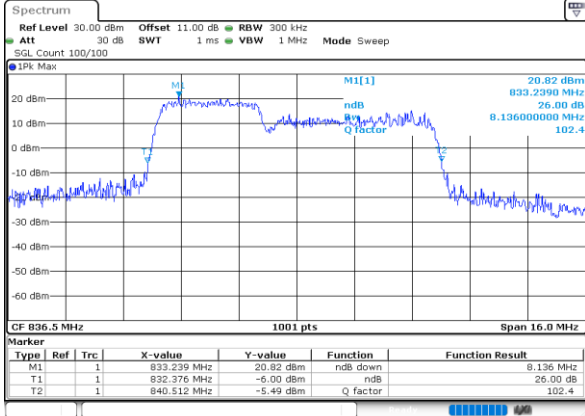
N/A



LTE Band 5B

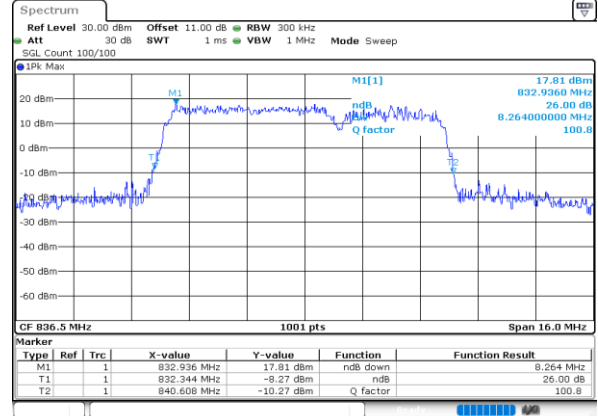
64QAM

Middle Channel / 3MHz+5MHz



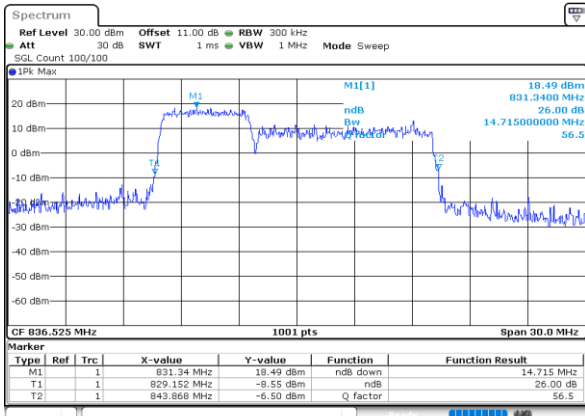
Date: 28. DEC. 2023 10:20:00

Middle Channel / 5MHz+3MHz



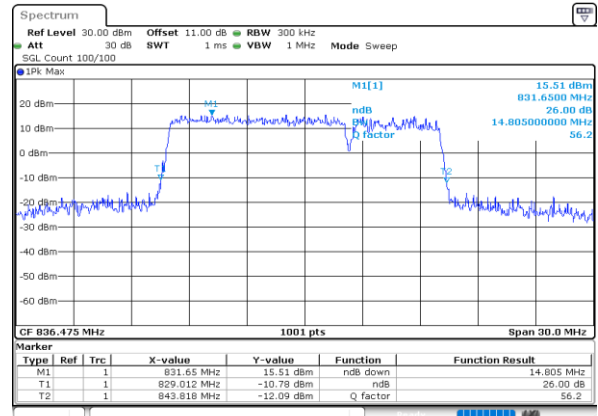
Date: 28. DEC. 2023 10:15:20

Middle Channel / 5MHz+10MHz



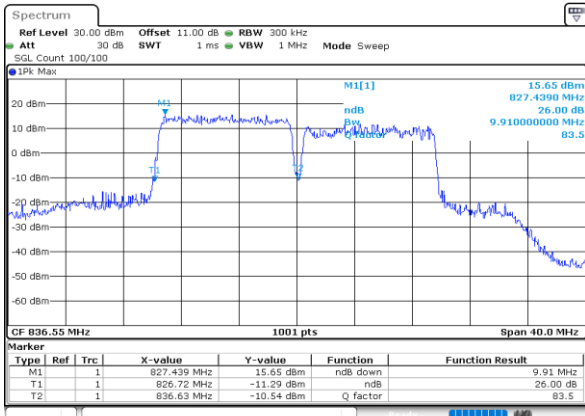
Date: 28. DEC. 2023 11:36:21

Middle Channel / 10MHz+5MHz



Date: 28. DEC. 2023 12:13:25

Middle Channel / 10MHz+10MHz



Date: 28. DEC. 2023 12:50:09

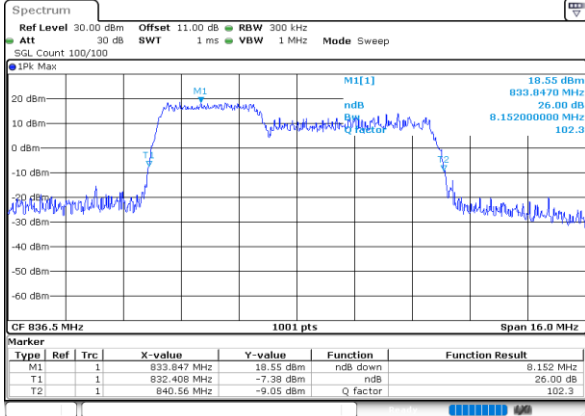
N/A



LTE Band 5B

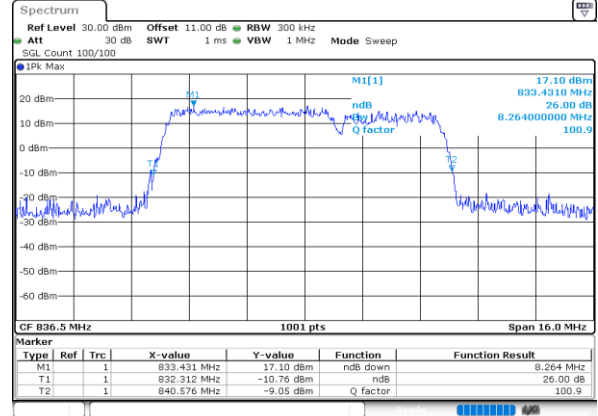
256QAM

Middle Channel / 3MHz+5MHz



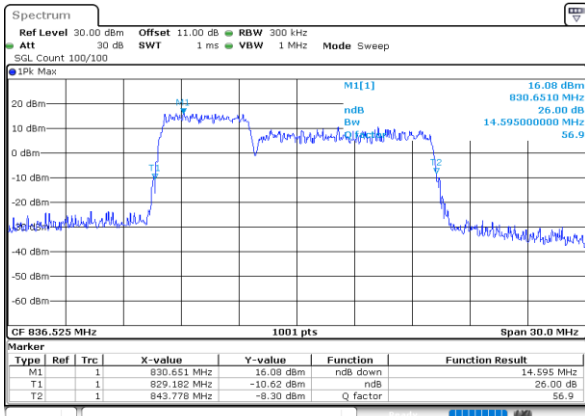
Date: 28. DEC. 2023 10:20:25

Middle Channel / 5MHz+3MHz



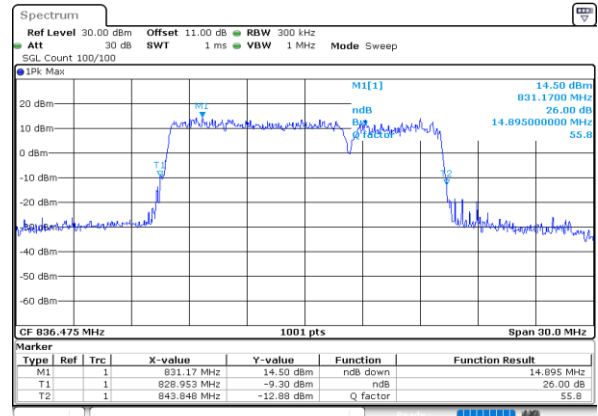
Date: 28. DEC. 2023 10:59:45

Middle Channel / 5MHz+10MHz



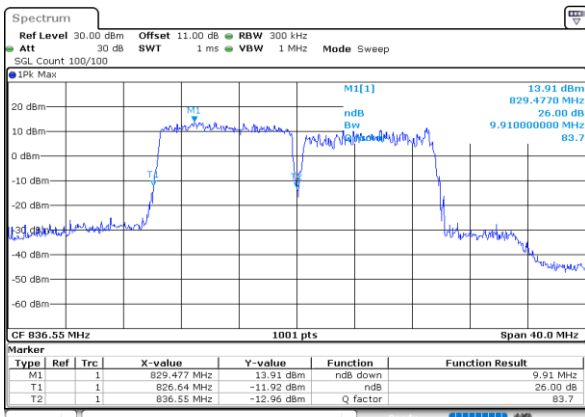
Date: 28. DEC. 2023 11:36:46

Middle Channel / 10MHz+5MHz



Date: 28. DEC. 2023 12:13:50

Middle Channel / 10MHz+10MHz



Date: 28. DEC. 2023 12:50:34

N/A



Occupied Bandwidth

Mode	LTE Band 5B : 99%OBW(MHz)		
QPSK			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.56	7.56	13.93
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.96	18.66	-

Mode	LTE Band 5B : 99%OBW(MHz)		
16QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.56	7.57	13.96
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.93	18.66	-

Mode	LTE Band 5B : 99%OBW(MHz)		
64QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.56	7.62	13.93
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.90	18.78	-

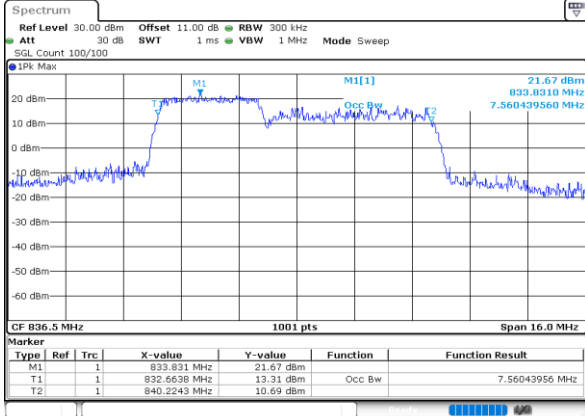
Mode	LTE Band 5B : 99%OBW(MHz)		
254QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.54	7.54	13.93
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.90	18.70	-



LTE Band 5B

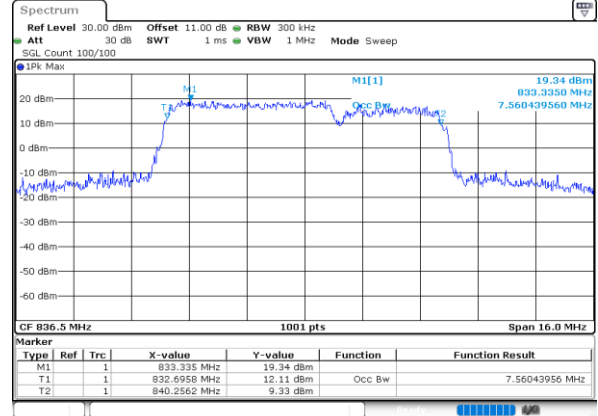
QPSK

Middle Channel / 3MHz+5MHz



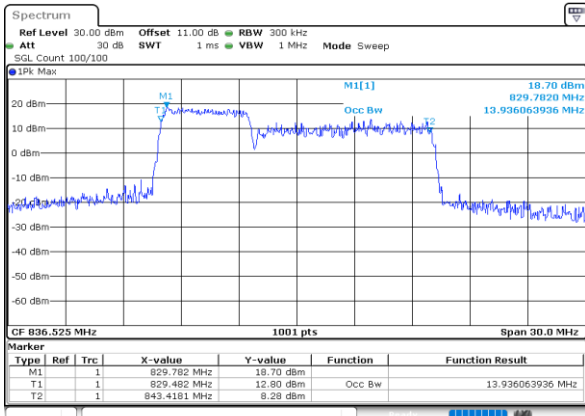
Date: 28 DEC 2023 10:17:28

Middle Channel / 5MHz+3MHz



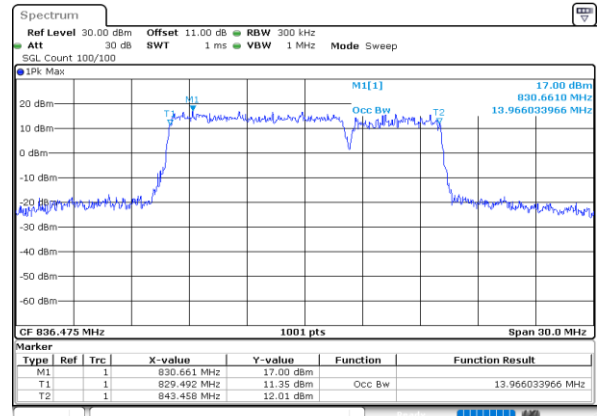
Date: 28 DEC 2023 10:15:48

Middle Channel / 5MHz+10MHz



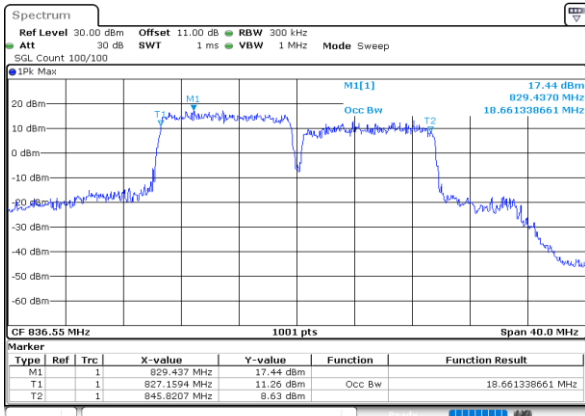
Date: 28 DEC 2023 11:33:49

Middle Channel / 10MHz+5MHz



Date: 28 DEC 2023 12:10:53

Middle Channel / 10MHz+10MHz



Date: 28 DEC 2023 12:47:38

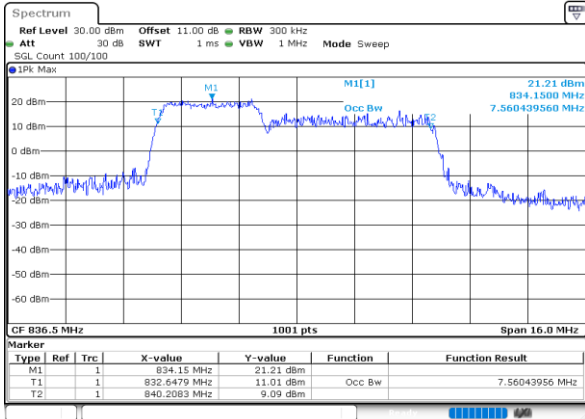
N/A



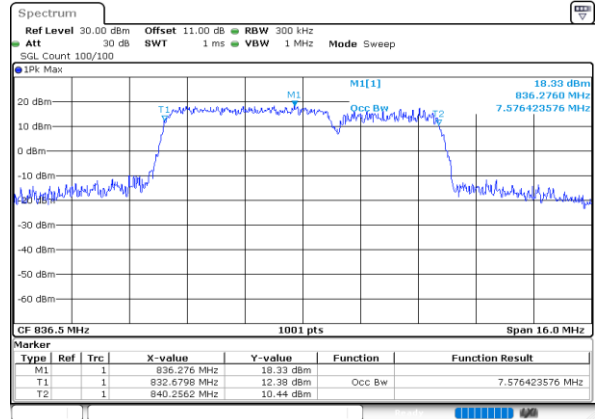
LTE Band 5B

16QAM

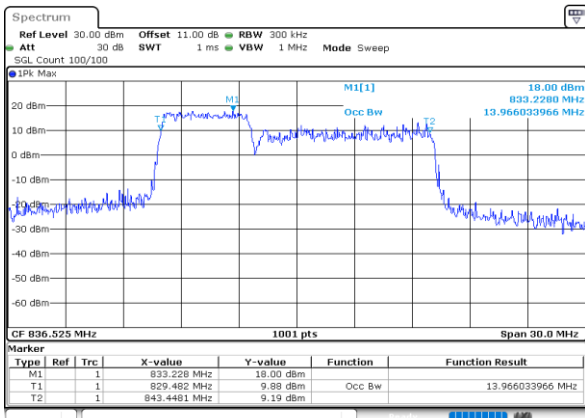
Middle Channel / 3MHz+5MHz



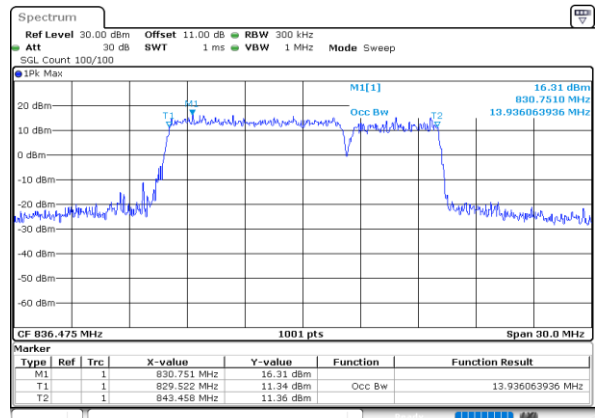
Middle Channel / 5MHz+3MHz



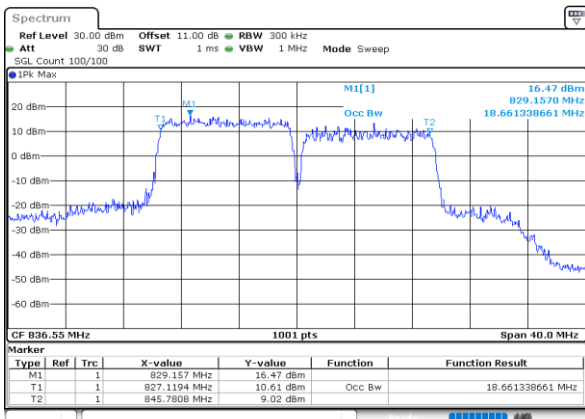
Middle Channel / 5MHz+10MHz



Middle Channel / 10MHz+5MHz



Middle Channel / 10MHz+10MHz



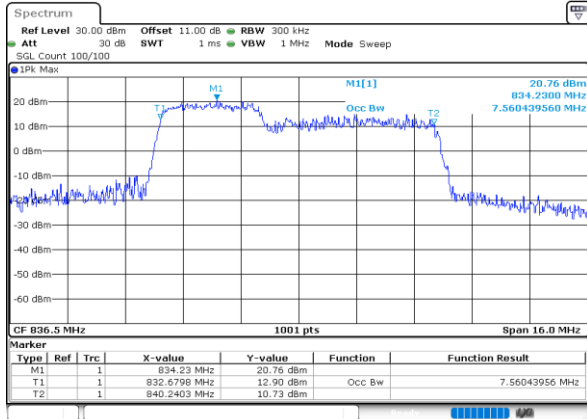
N/A



LTE Band 5B

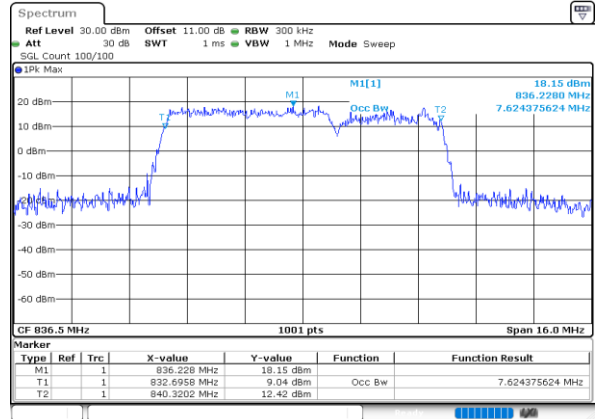
64QAM

Middle Channel / 3MHz+5MHz



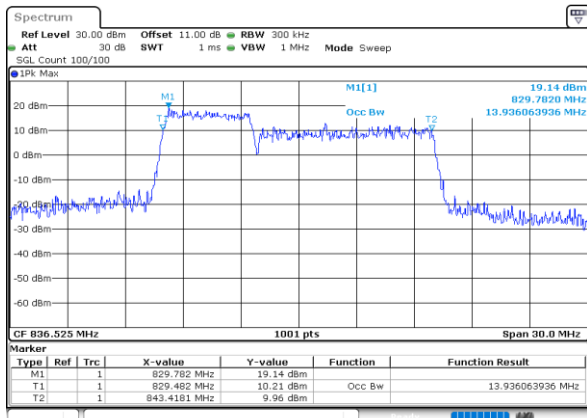
Date: 28. DEC. 2023 10:18:19

Middle Channel / 5MHz+3MHz



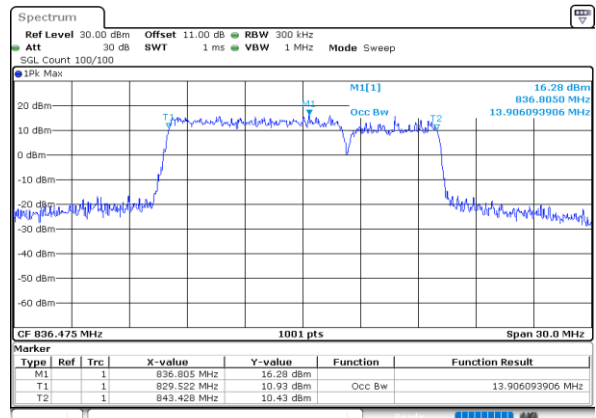
Date: 28. DEC. 2023 10:57:39

Middle Channel / 5MHz+10MHz



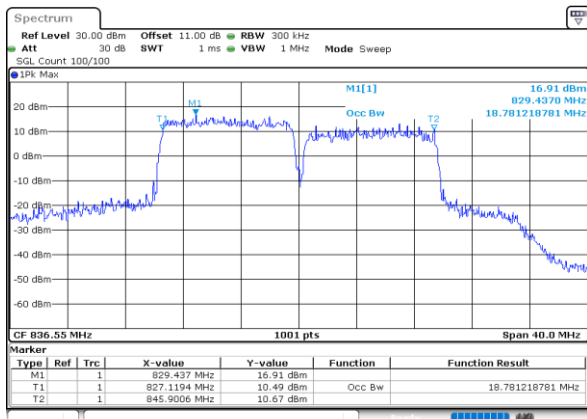
Date: 28. DEC. 2023 11:34:40

Middle Channel / 10MHz+5MHz



Date: 28. DEC. 2023 12:11:44

Middle Channel / 10MHz+10MHz



Date: 28. DEC. 2023 12:48:28

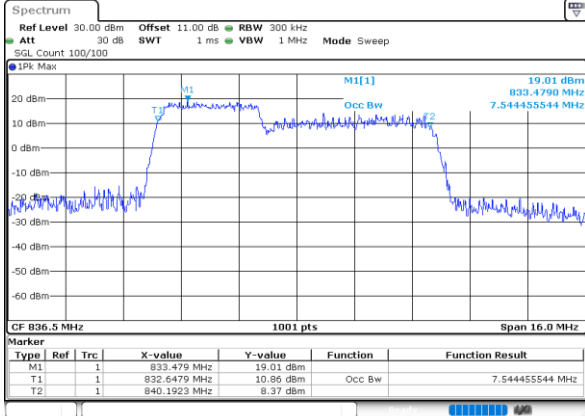
N/A



LTE Band 5B

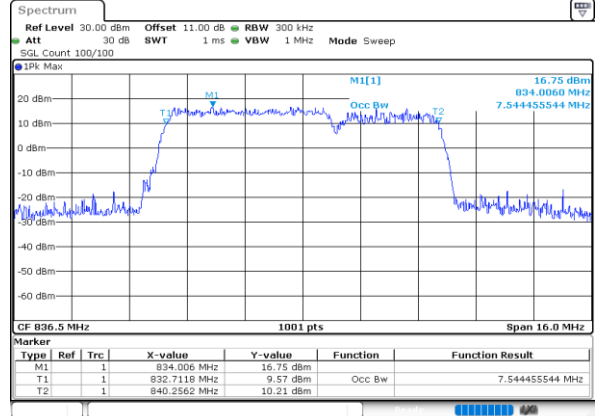
256QAM

Middle Channel / 3MHz+5MHz



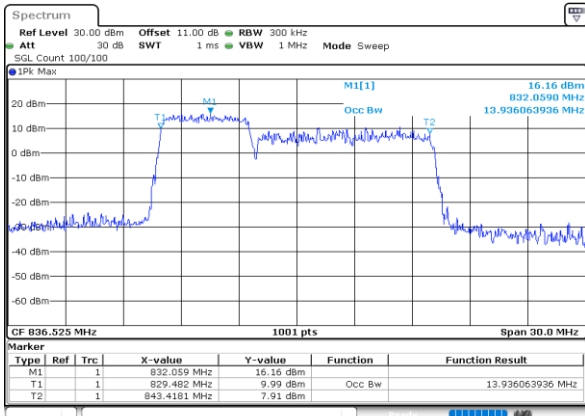
Date: 28. DEC. 2023 10:18:44

Middle Channel / 5MHz+3MHz



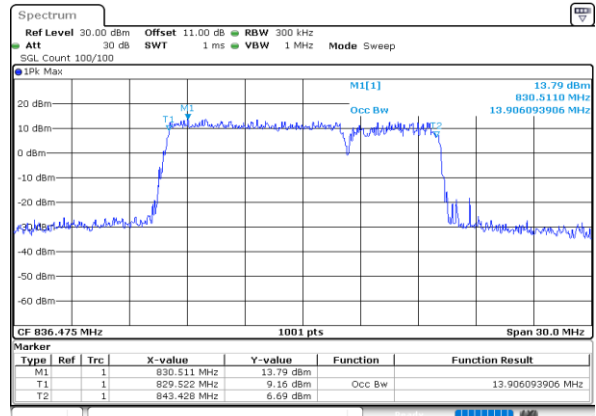
Date: 28. DEC. 2023 10:15:04

Middle Channel / 5MHz+10MHz



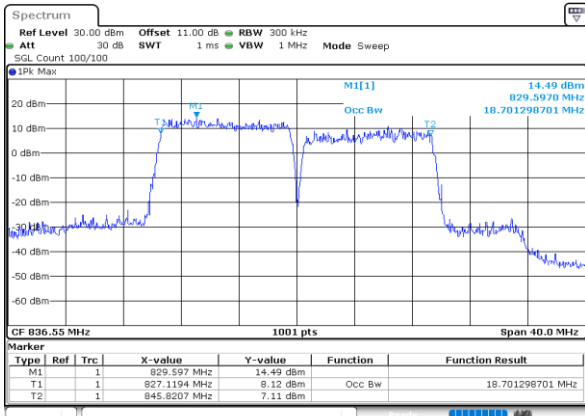
Date: 28. DEC. 2023 11:35:05

Middle Channel / 10MHz+5MHz



Date: 28. DEC. 2023 12:12:09

Middle Channel / 10MHz+10MHz



Date: 28. DEC. 2023 12:48:53

N/A

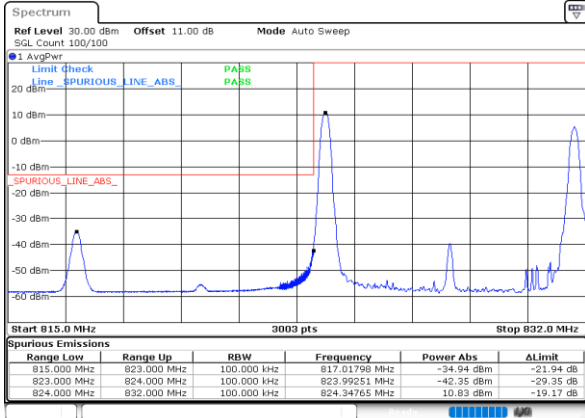


Conducted Band Edge

LTE Band 5B / 3MHz+5MHz

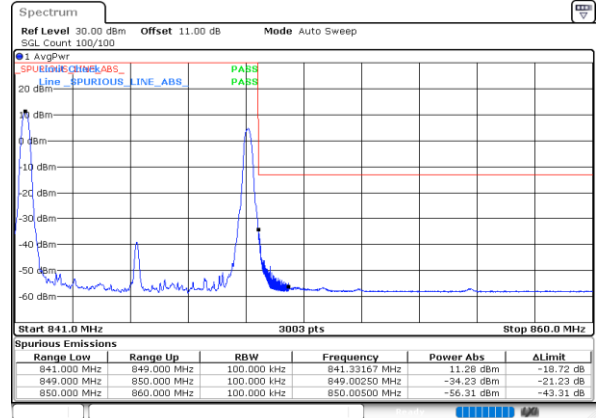
QPSK

Lowest Band Edge / 1RB0 and 1RB24



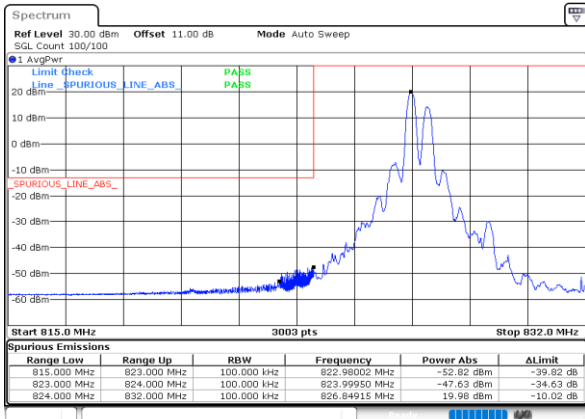
Date: 28. DEC. 2023 10:06:50

Highest Band Edge / 1RB0 and 1RB24



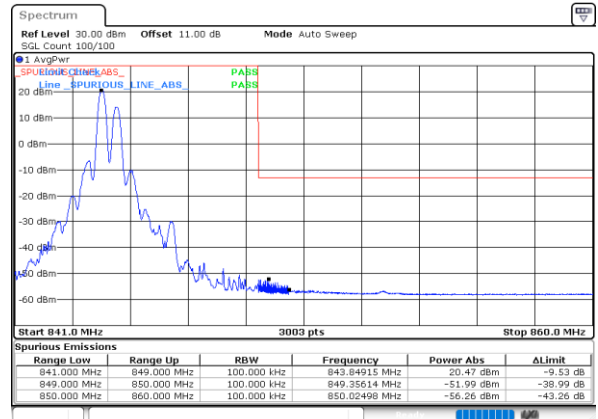
Date: 28. DEC. 2023 09:51:18

Lowest Band Edge / 1RB14 and 1RB0



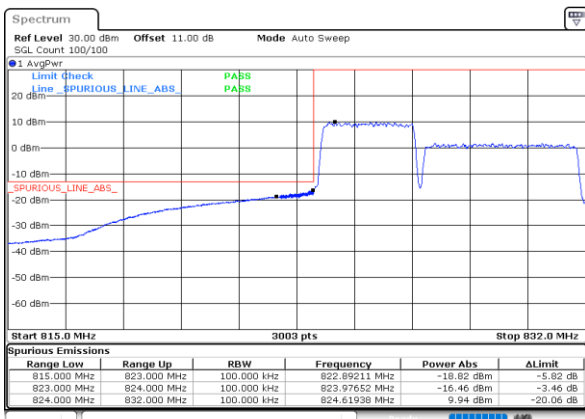
Date: 28. DEC. 2023 10:11:09

Highest Band Edge / 1RB14 and 1RB0



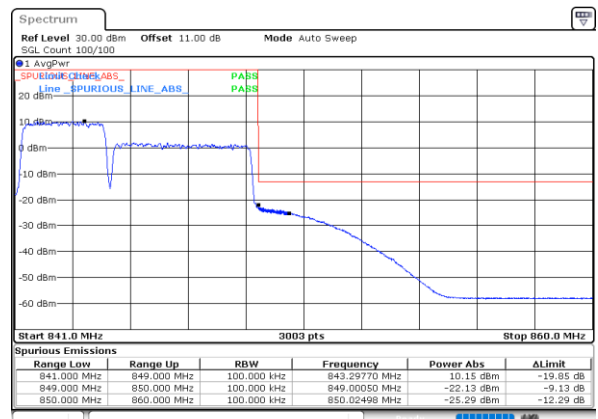
Date: 28. DEC. 2023 09:55:35

Lowest Band Edge / Full RB



Date: 28. DEC. 2023 10:02:12

Highest Band Edge / Full RB



Date: 28. DEC. 2023 09:46:58

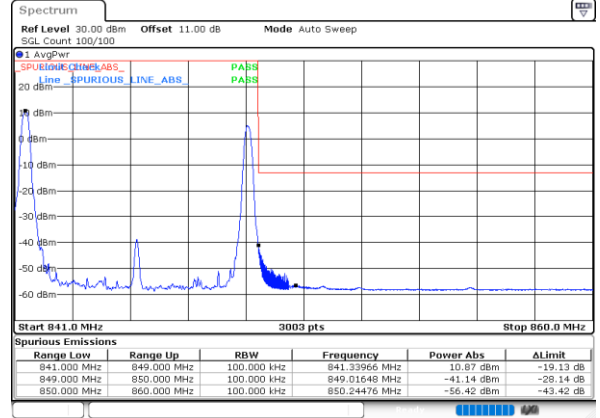
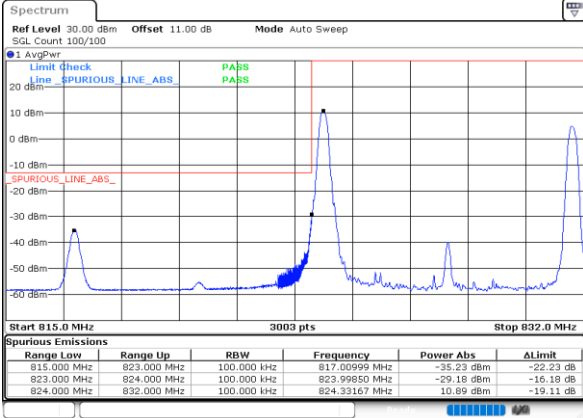


LTE Band 5B / 5MHz+3MHz

QPSK

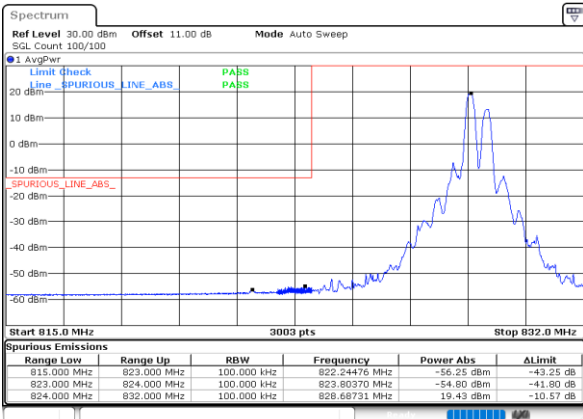
Lowest Band Edge / 1RB0 and 1RB14

Highest Band Edge / 1RB0 and 1RB14



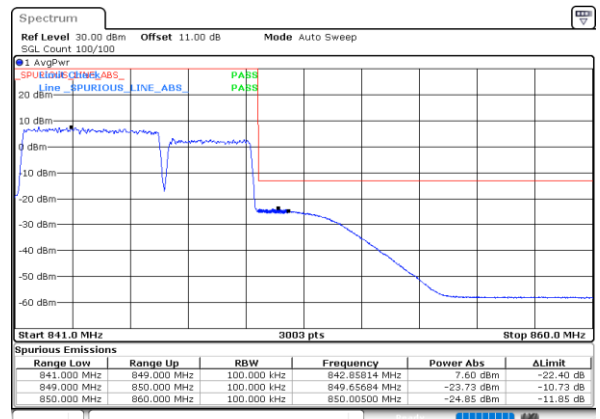
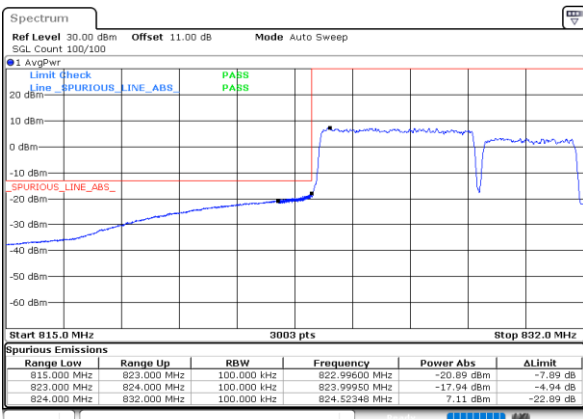
Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0



Lowest Band Edge / Full RB

Highest Band Edge / Full RB



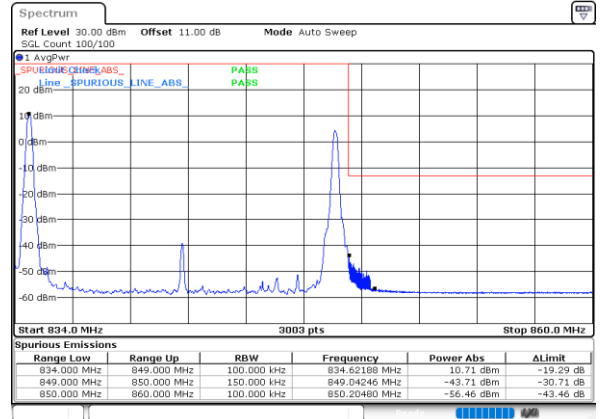
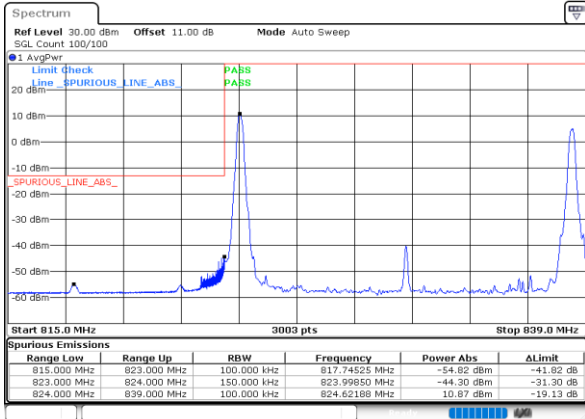


LTE Band 5B / 5MHz+10MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

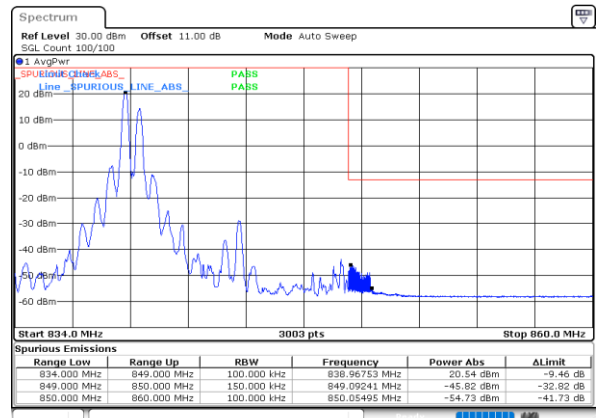
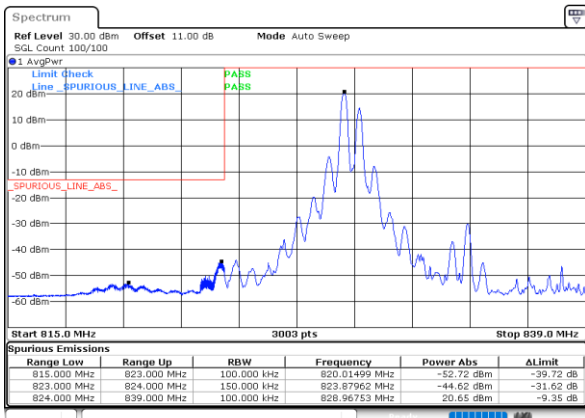


Date: 28. DEC. 2023 11:23:11

Date: 28. DEC. 2023 11:07:49

Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0

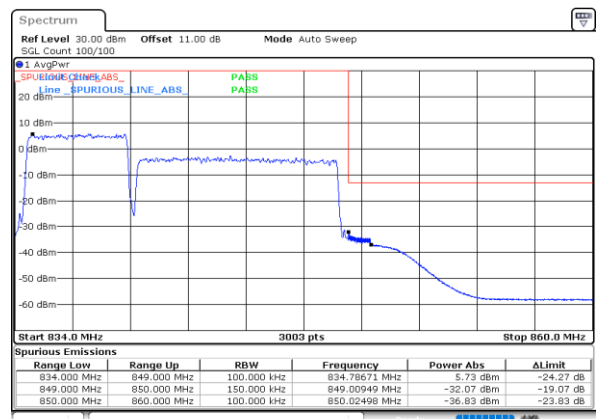
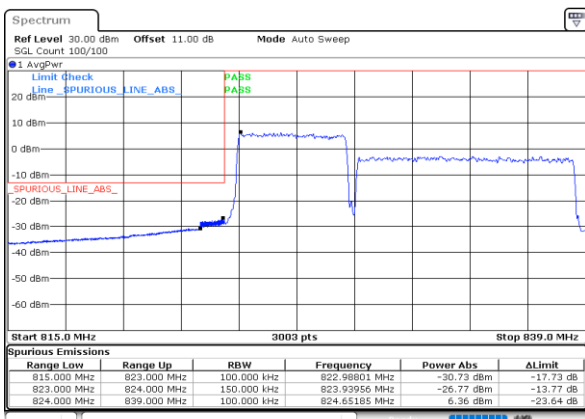


Date: 28. DEC. 2023 11:27:28

Date: 28. DEC. 2023 11:12:06

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28. DEC. 2023 11:18:53

Date: 28. DEC. 2023 11:03:31

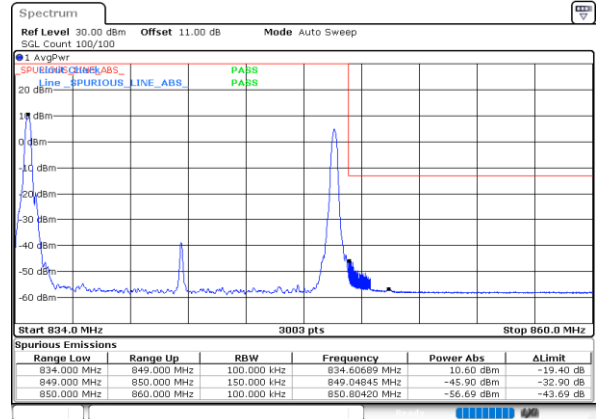
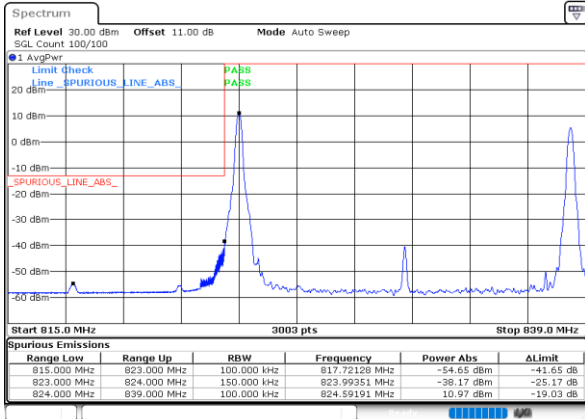


LTE Band 5B / 10MHz+5MHz

QPSK

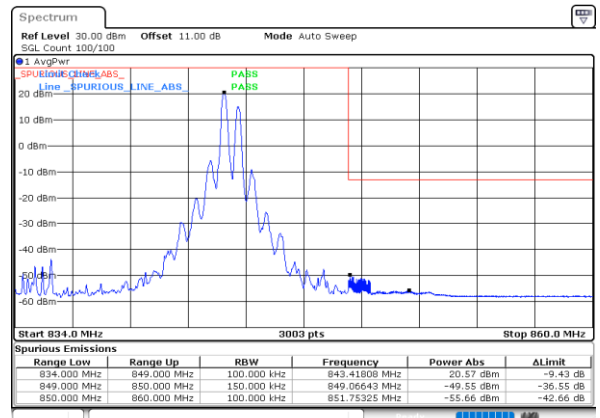
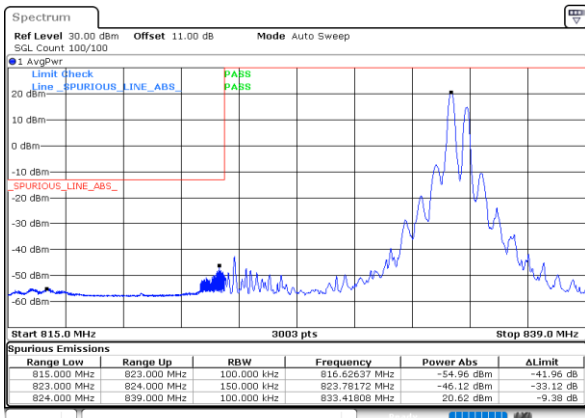
Lowest Band Edge / 1RB0 and 1RB24

Highest Band Edge / 1RB0 and 1RB24



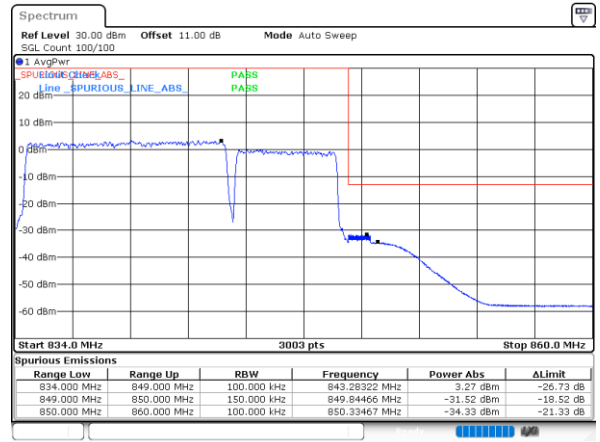
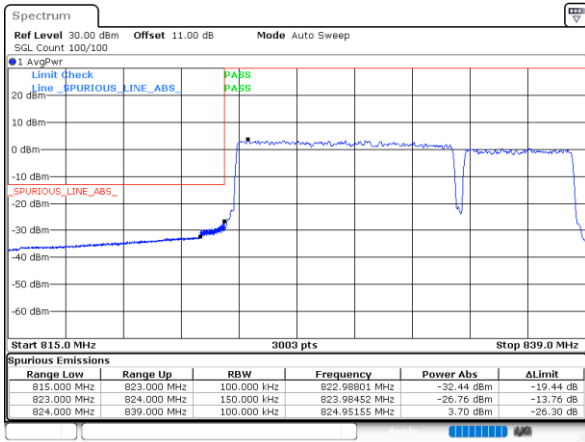
Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB

Highest Band Edge / Full RB



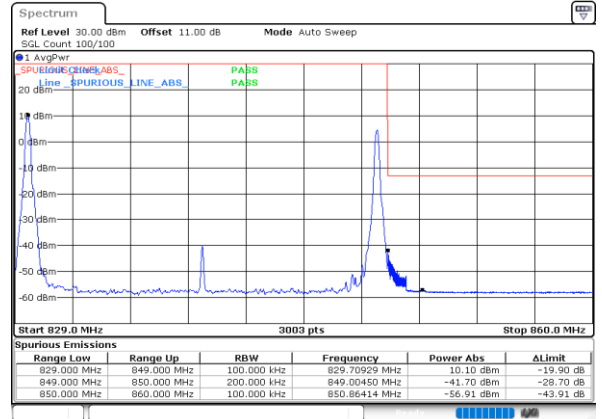
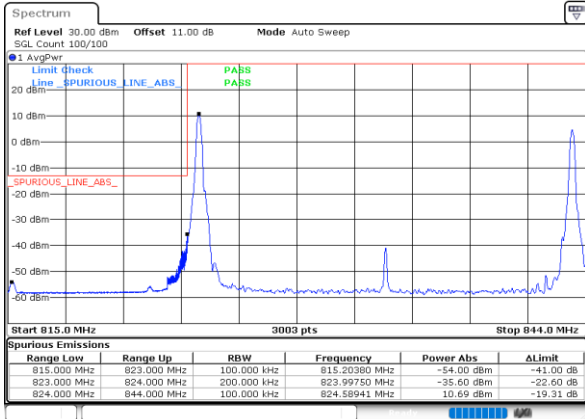


LTE Band 5B / 10MHz+10MHz

QPSK

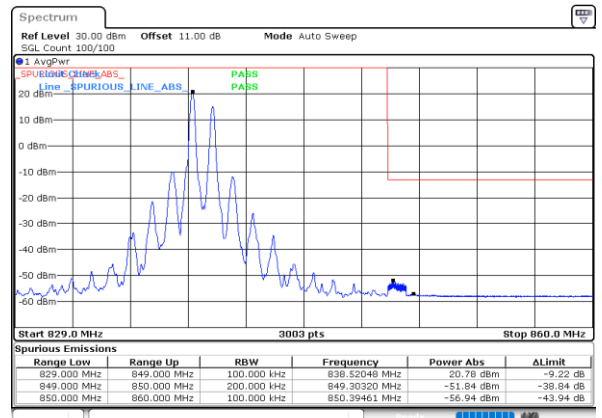
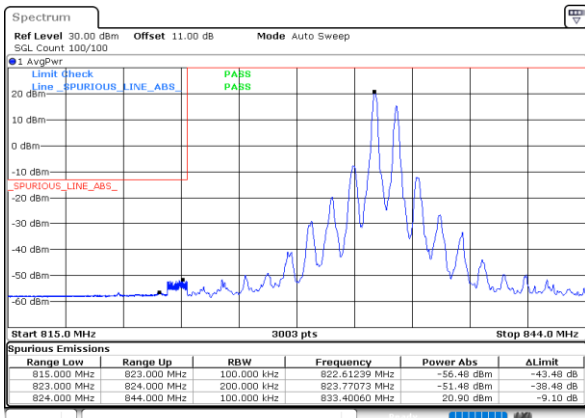
Lowest Band Edge / 1RB0 and 1RB49

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

