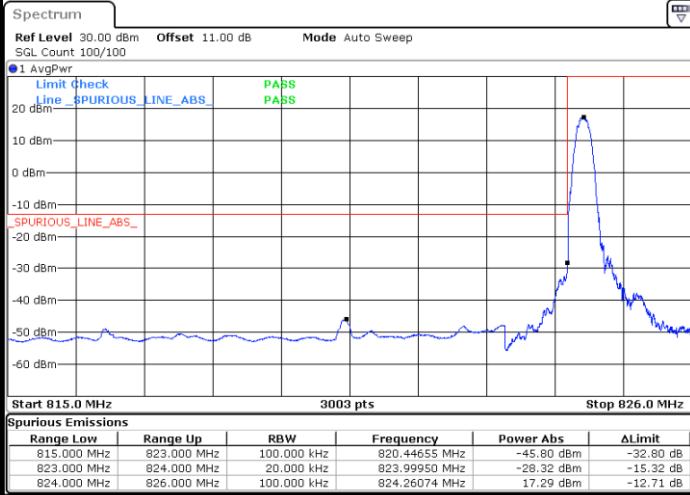




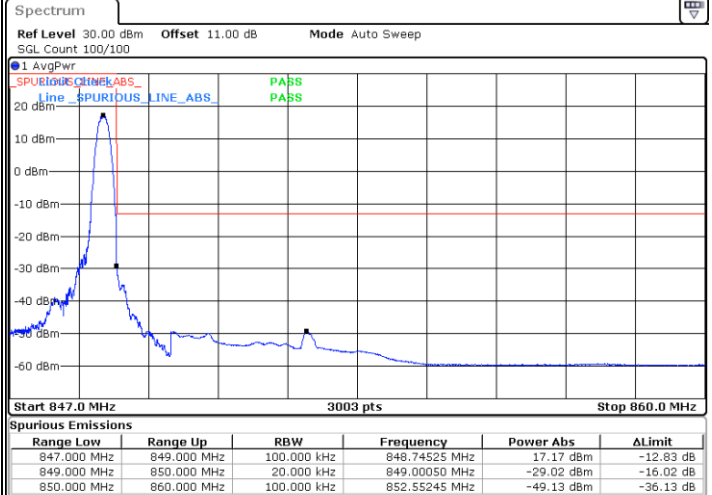
LTE Band 5 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



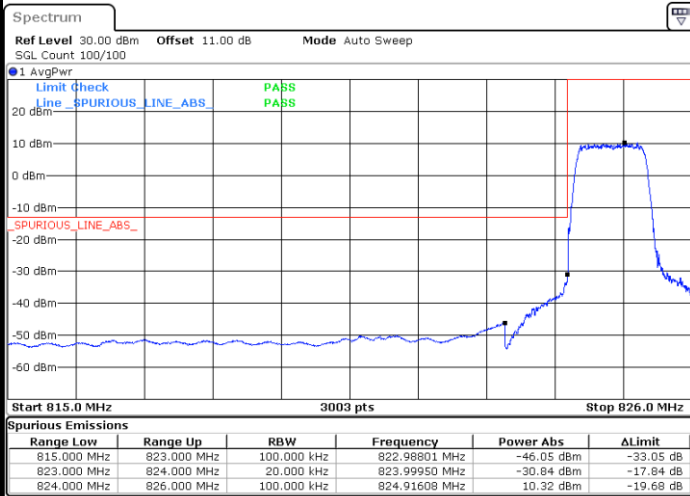
Date: 15.MAR.2023 17:09:01

Highest Band Edge / 1 RB



Date: 15.MAR.2023 17:25:57

Lowest Band Edge / Full RB



Date: 15.MAR.2023 17:14:05

Highest Band Edge / Full RB

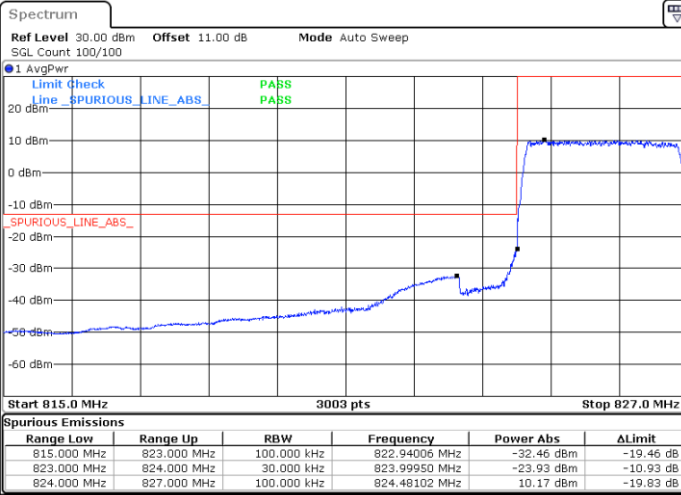


Date: 15.MAR.2023 17:22:01



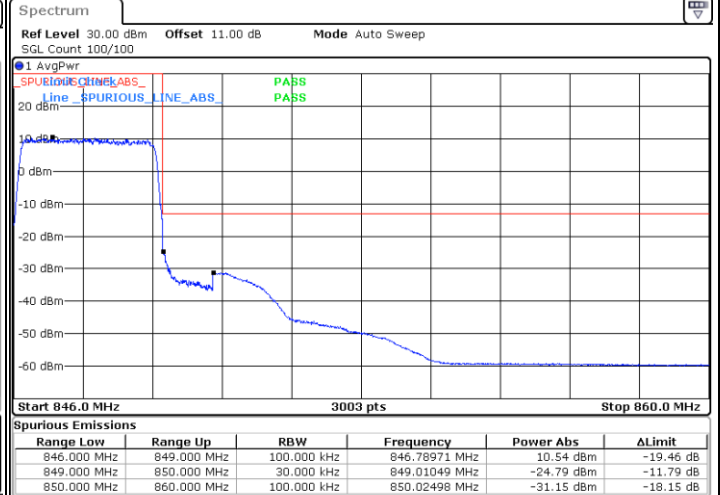
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / Full RB



Date: 15.MAR.2023 17:30:05

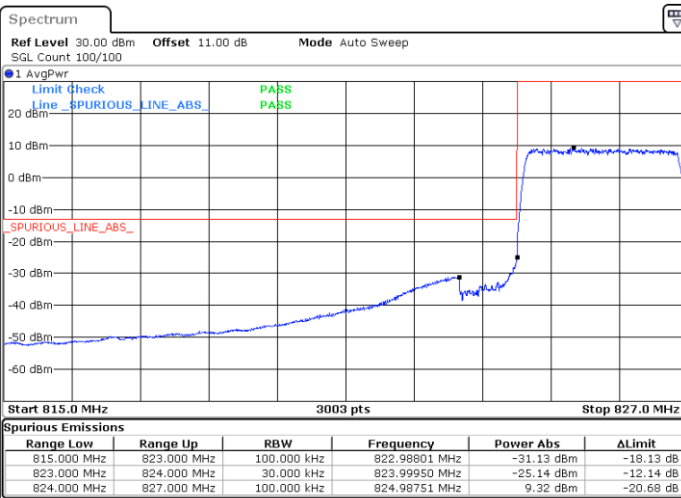
Highest Band Edge / Full RB



Date: 15.MAR.2023 17:36:53

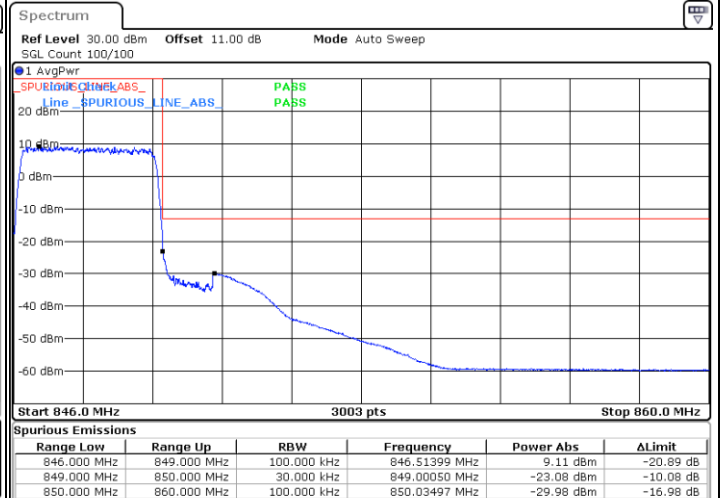
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / Full RB



Date: 15.MAR.2023 17:31:04

Highest Band Edge / Full RB

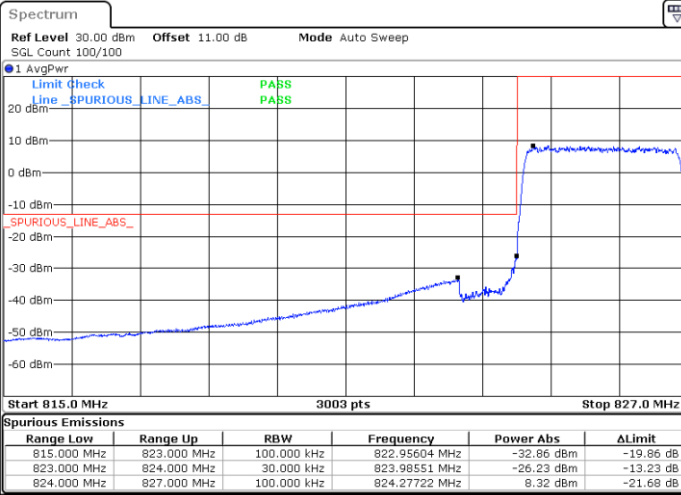


Date: 15.MAR.2023 17:37:52



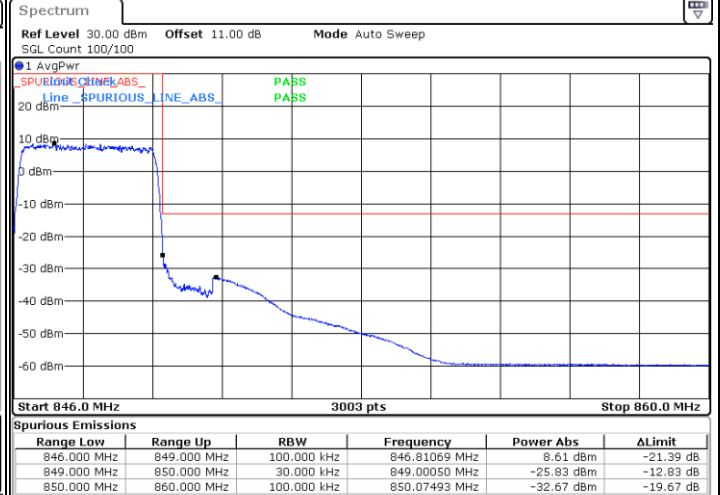
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / Full RB



Date: 15.MAR.2023 17:32:03

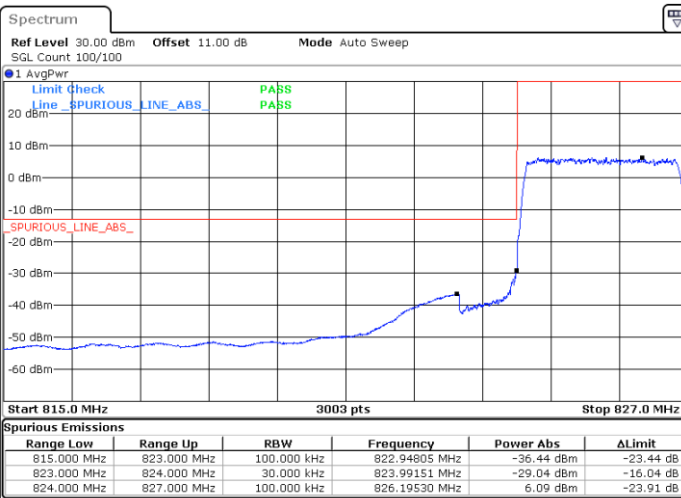
Highest Band Edge / Full RB



Date: 15.MAR.2023 17:38:51

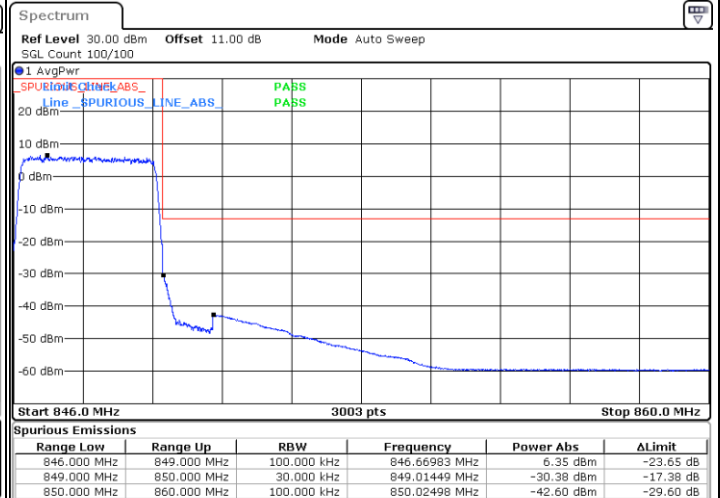
LTE Band 5 / 3MHz / 256QAM

Lowest Band Edge / Full RB



Date: 15.MAR.2023 17:33:02

Highest Band Edge / Full RB



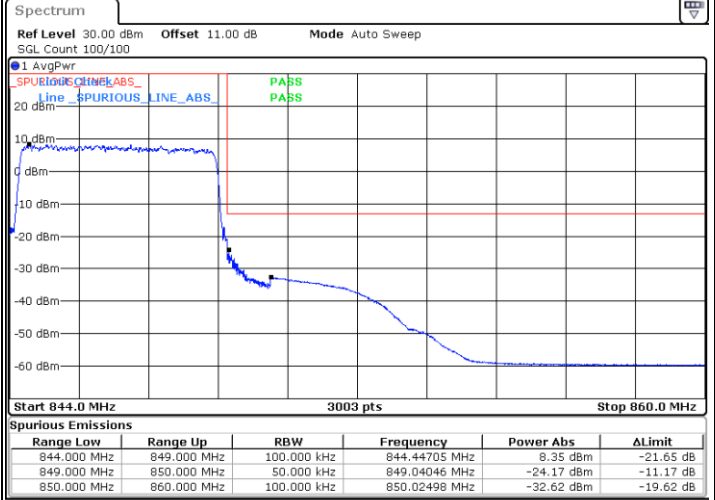
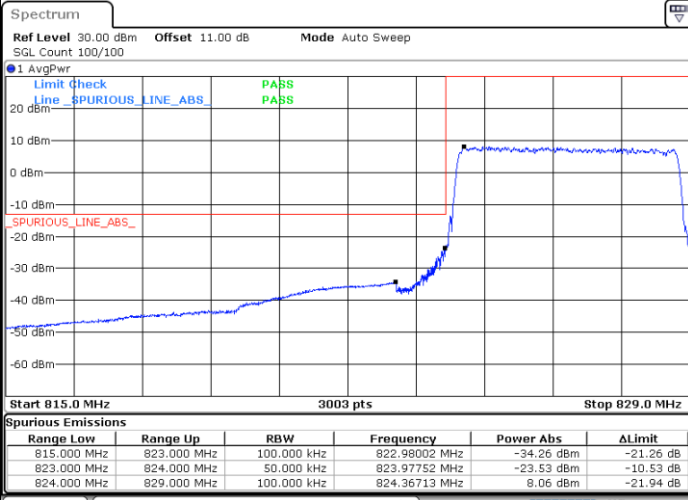
Date: 15.MAR.2023 17:39:50



LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



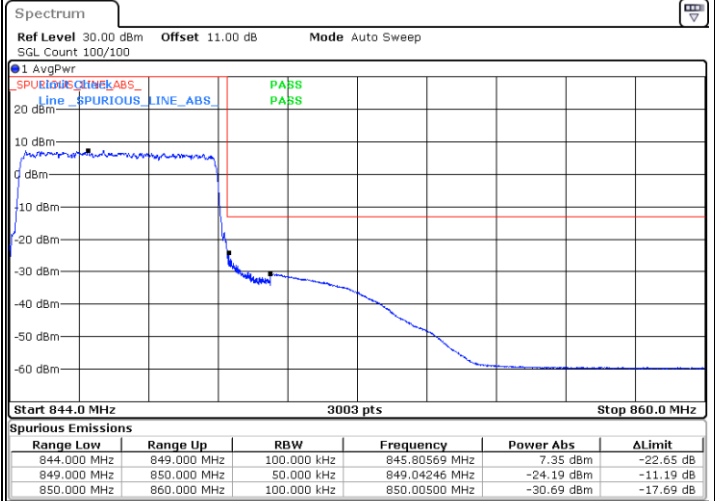
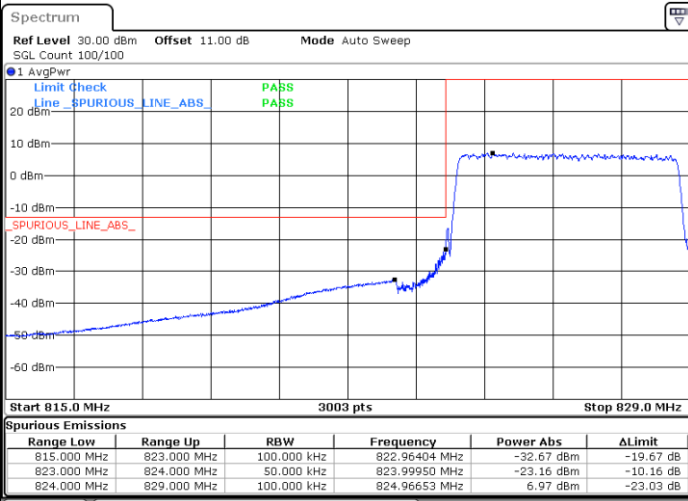
Date: 15.MAR.2023 17:42:51

Date: 15.MAR.2023 17:49:40

LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 15.MAR.2023 17:43:50

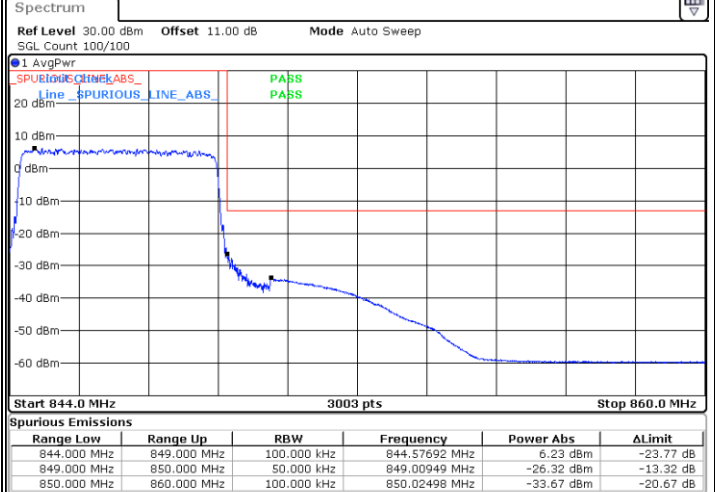
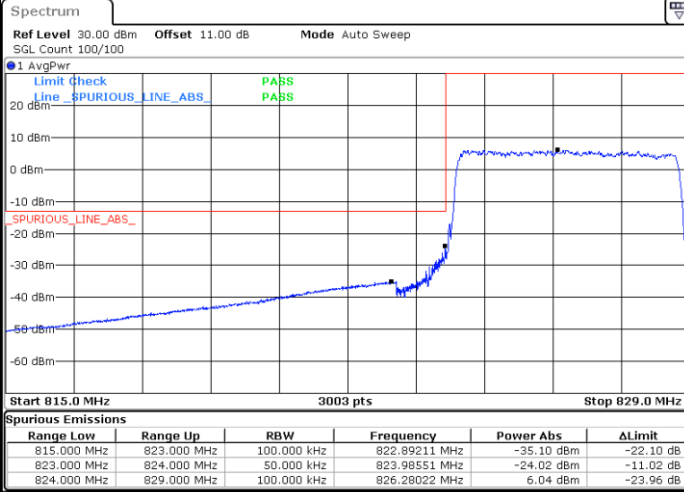
Date: 15.MAR.2023 17:50:39



LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



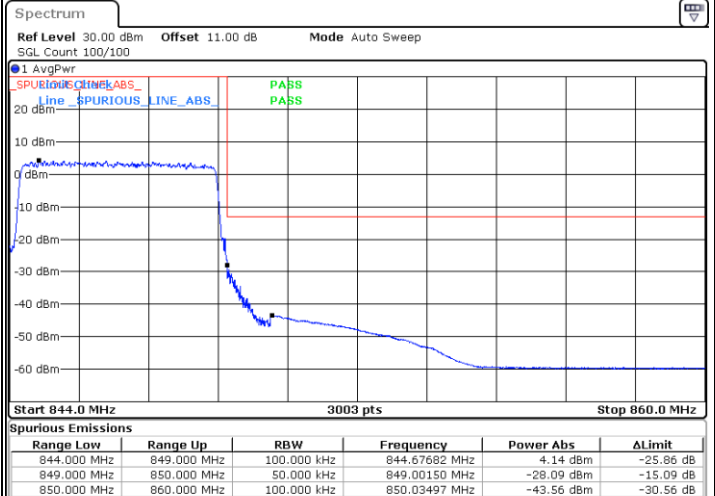
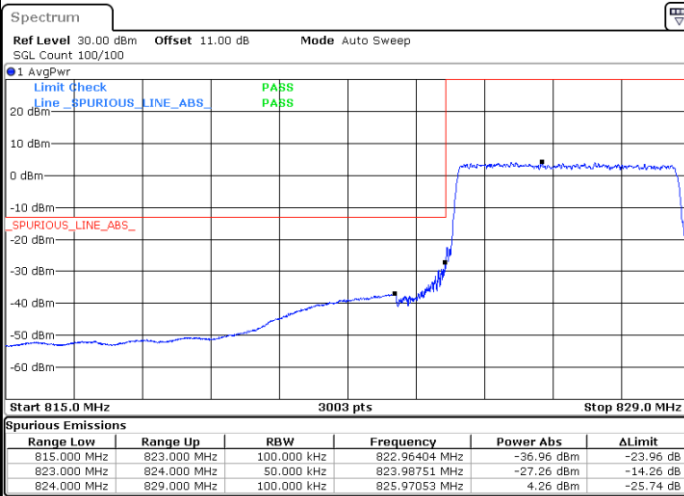
Date: 15.MAR.2023 17:44:49

Date: 15.MAR.2023 17:51:38

LTE Band 5 / 5MHz / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 15.MAR.2023 17:45:48

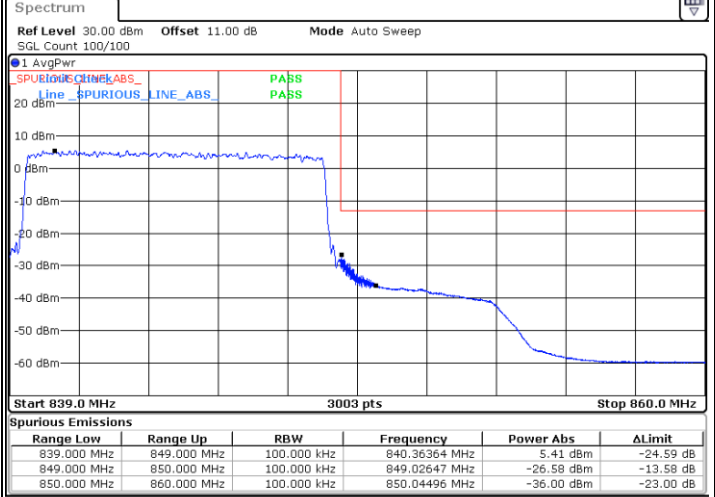
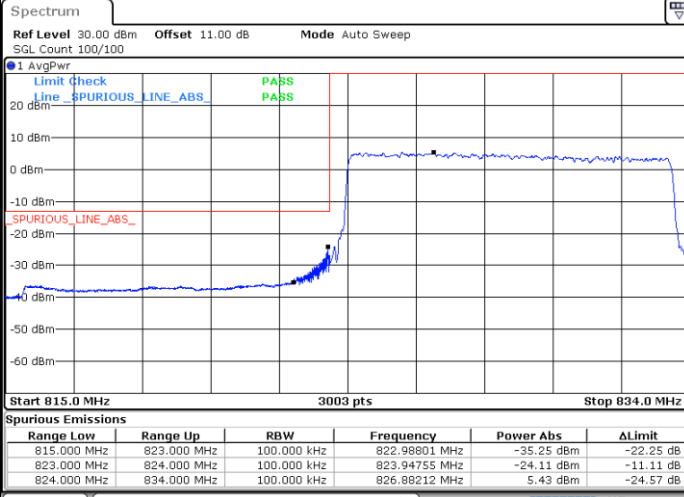
Date: 15.MAR.2023 17:52:37



LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



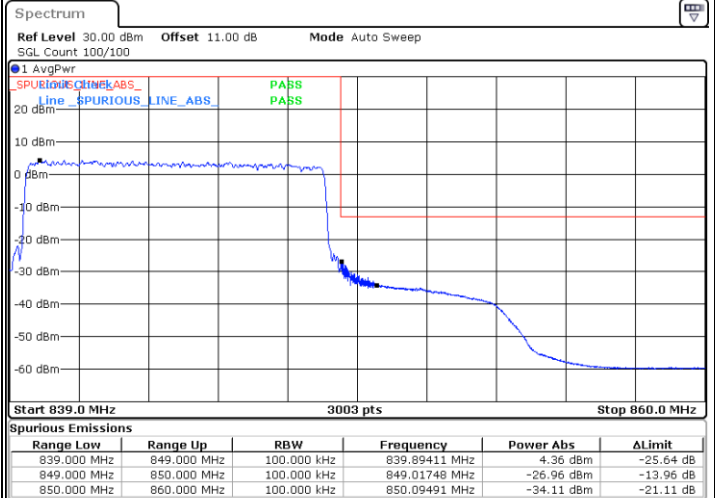
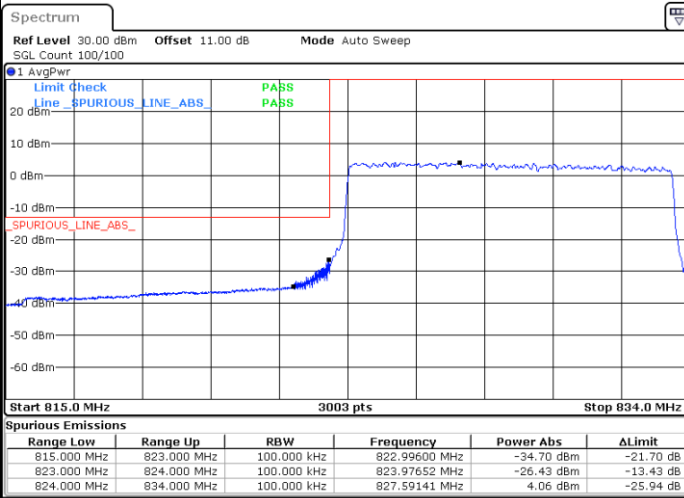
Date: 15.MAR.2023 17:55:37

Date: 15.MAR.2023 18:03:30

LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



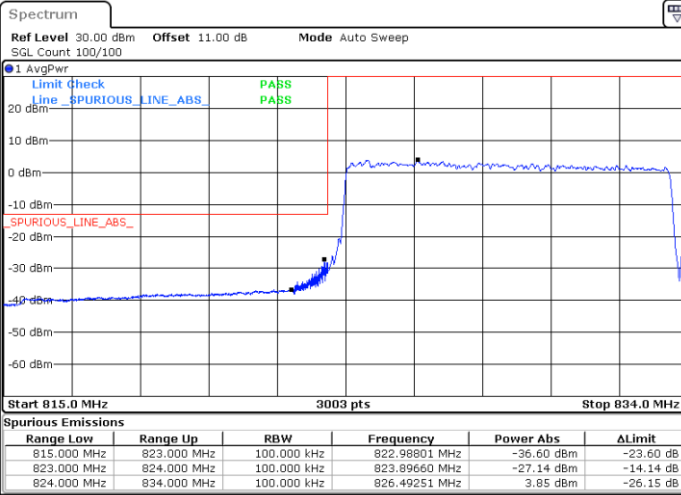
Date: 15.MAR.2023 17:56:36

Date: 15.MAR.2023 18:04:29



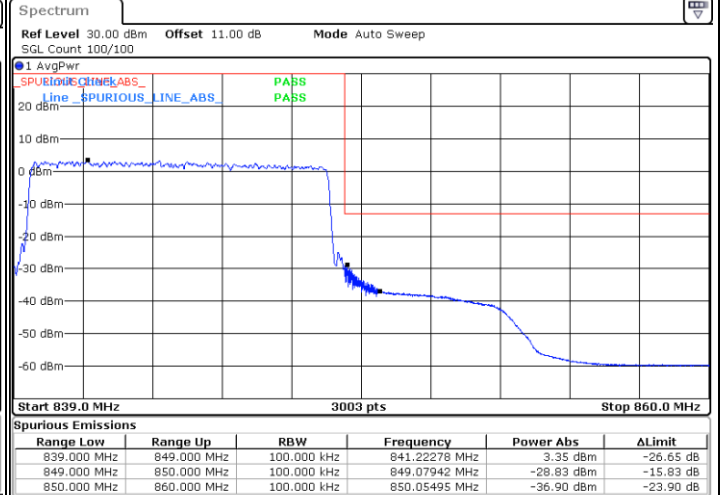
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / Full RB



Date: 15.MAR.2023 17:57:35

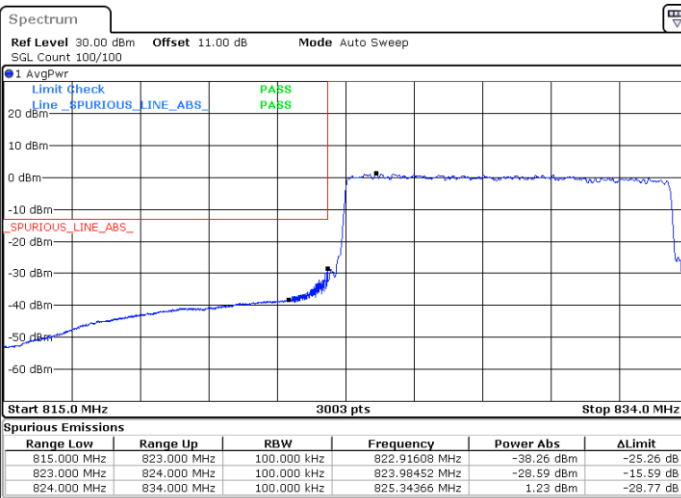
Highest Band Edge / Full RB



Date: 15.MAR.2023 18:05:28

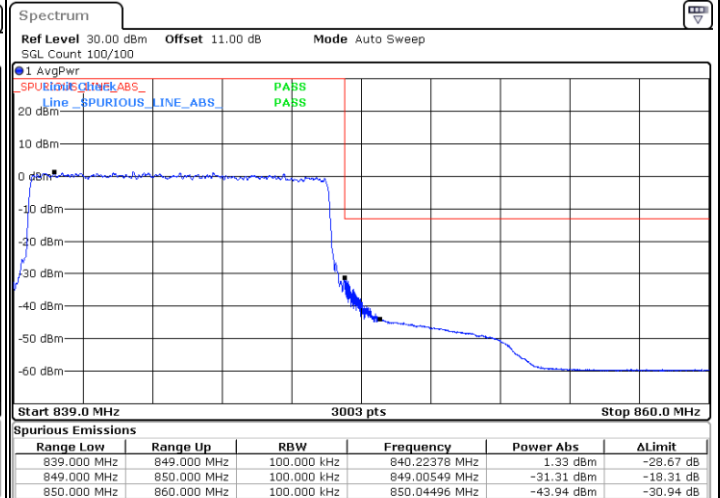
LTE Band 5 / 10MHz / 256QAM

Lowest Band Edge / Full RB



Date: 15.MAR.2023 17:58:34

Highest Band Edge / Full RB



Date: 15.MAR.2023 18:06:27

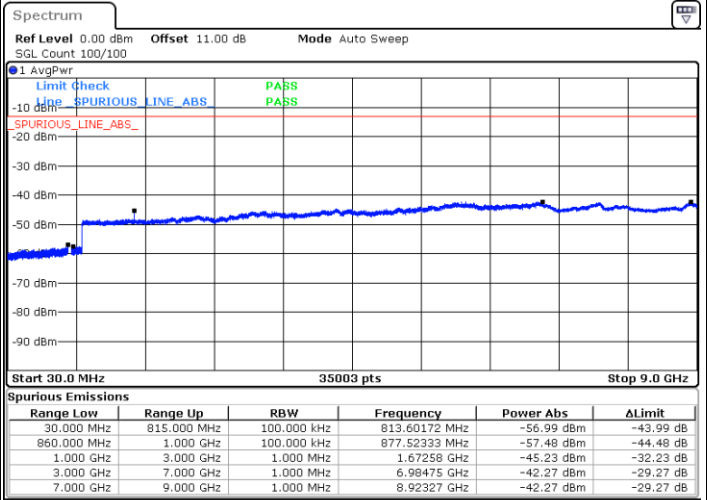
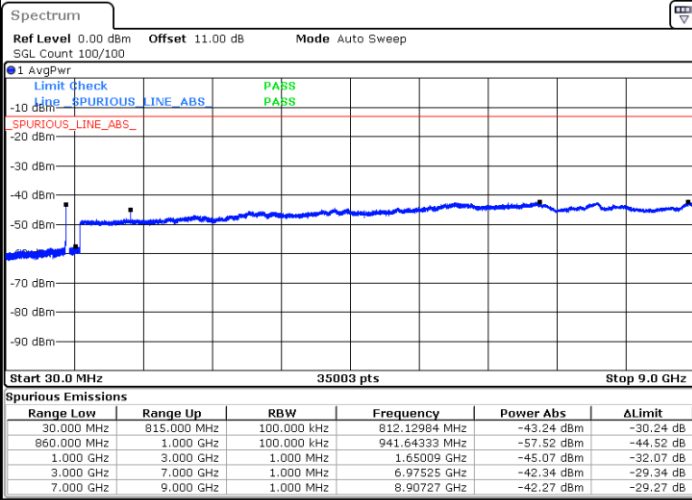


Conducted Spurious Emission

LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

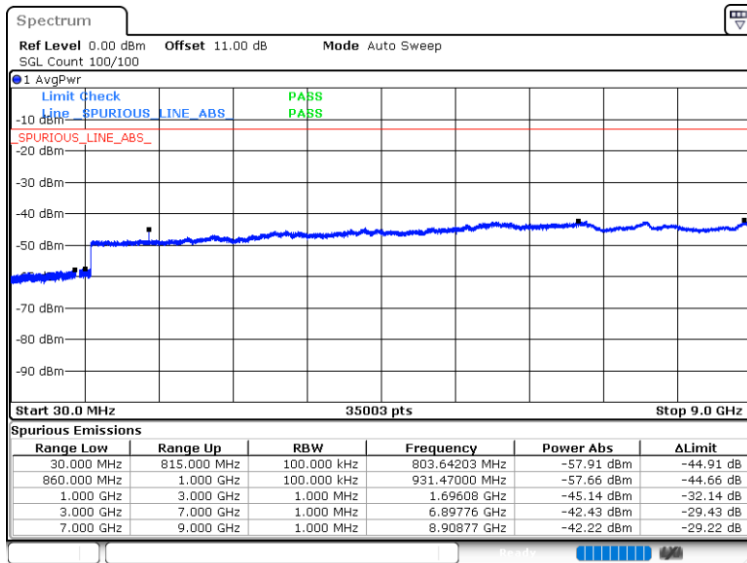
Middle Channel / QPSK



Date: 15.MAR.2023 17:10:09

Date: 15.MAR.2023 17:15:13

Highest Channel / QPSK



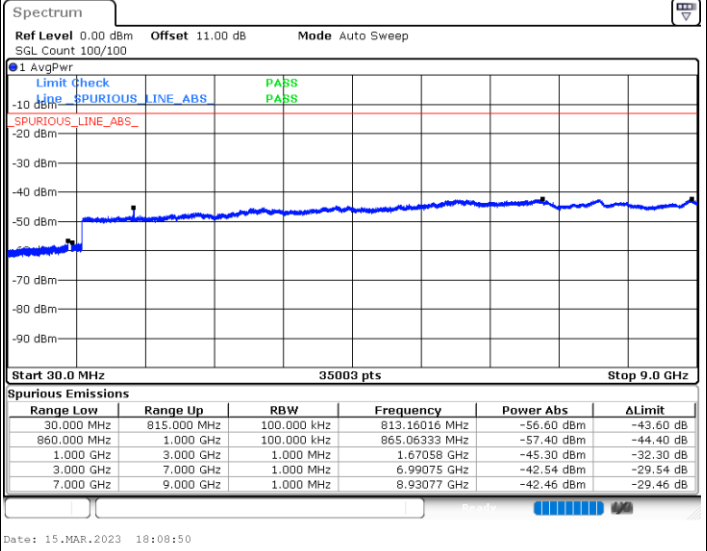
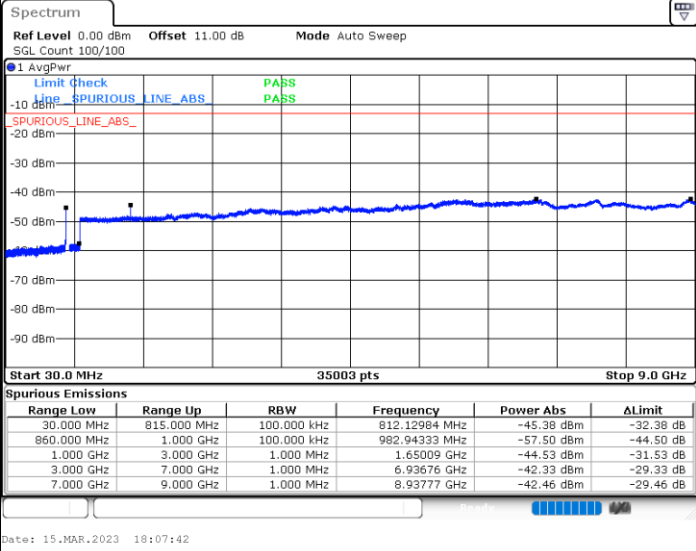
Date: 15.MAR.2023 17:27:06



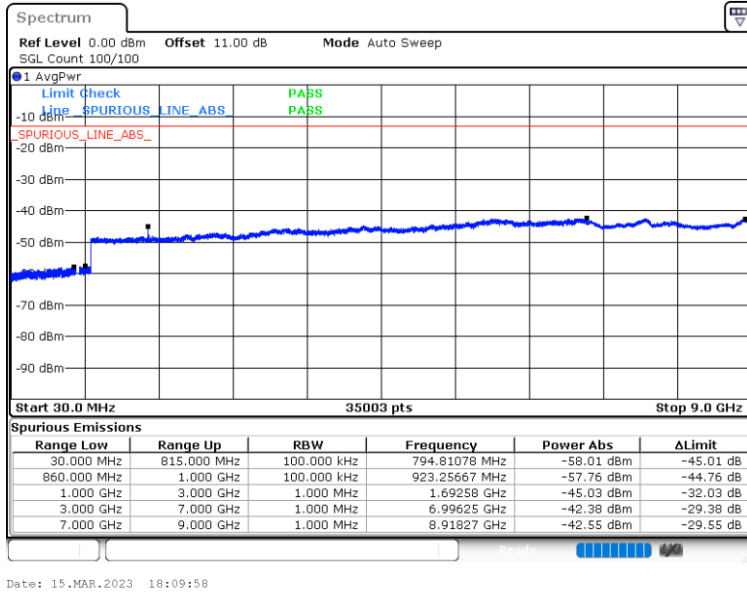
LTE Band 5 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

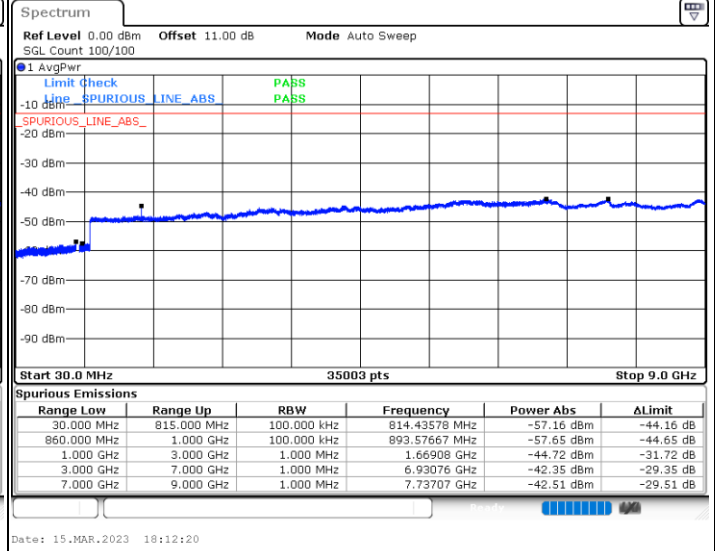
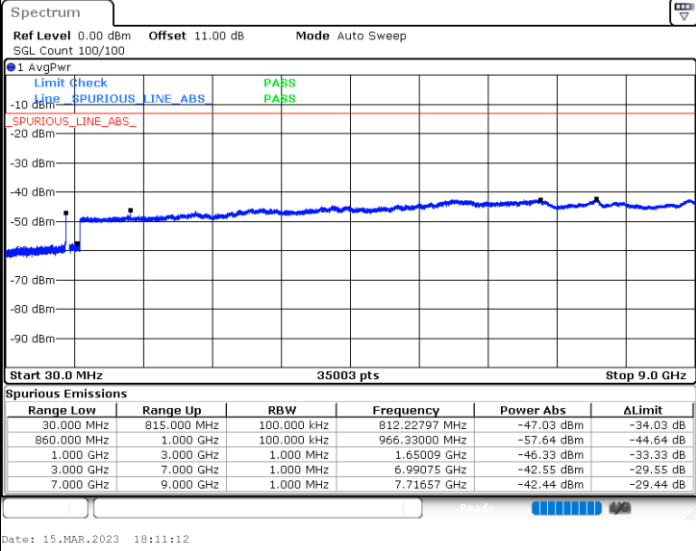




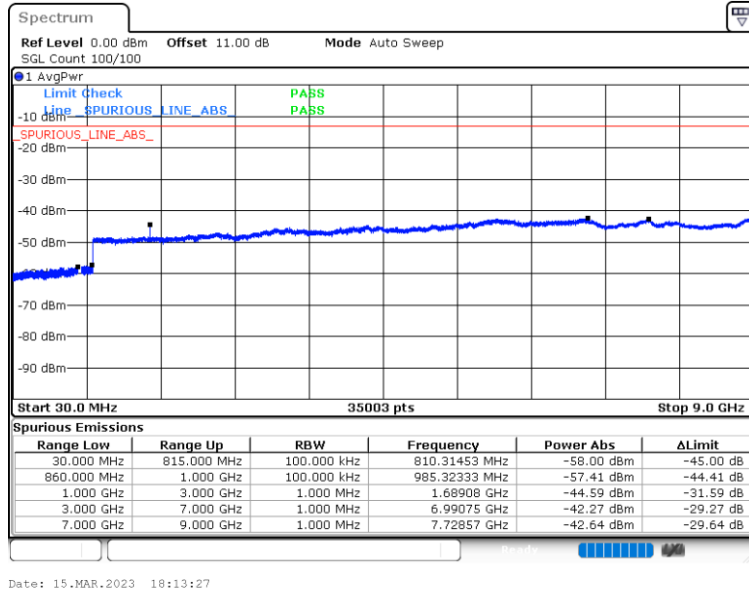
LTE Band 5 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



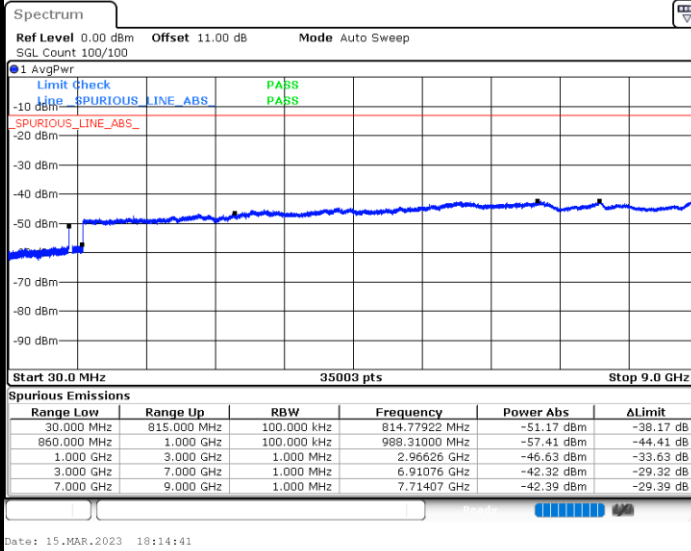
Highest Channel / QPSK



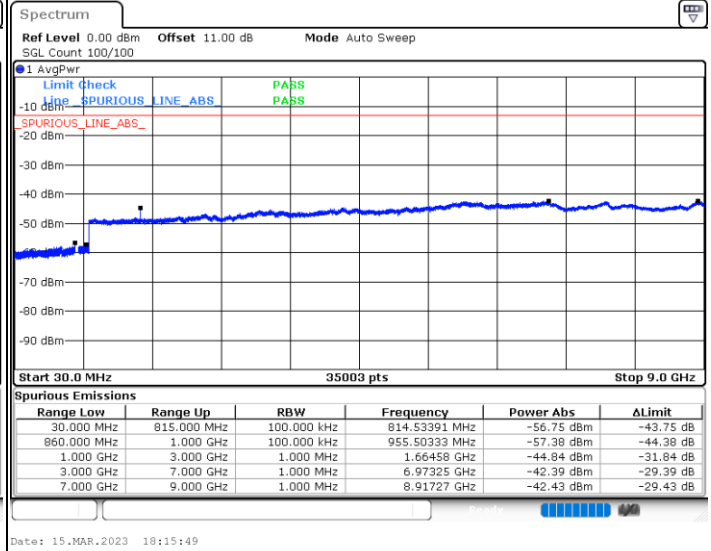


LTE Band 5 / 10MHz

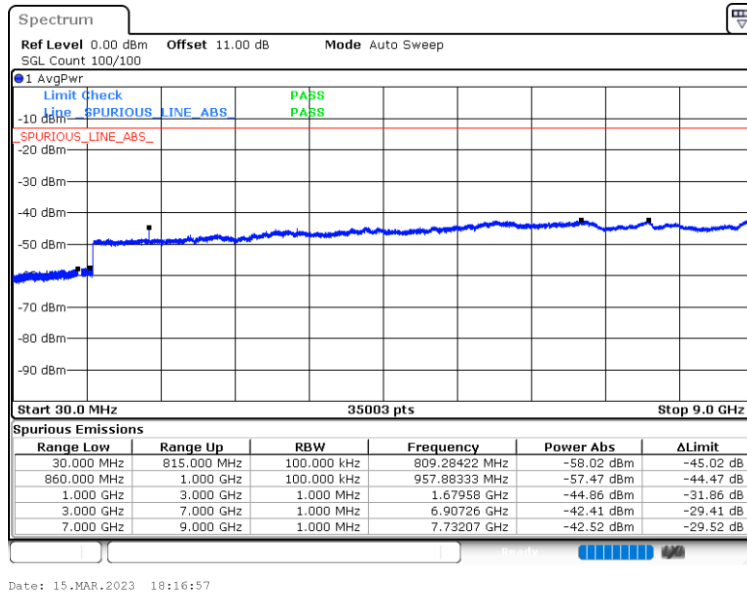
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0088	PASS
40	Normal Voltage	0.0047	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0033	
-10	Normal Voltage	0.0085	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0088	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0060	

Note:

1. Normal Voltage = 3.89 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 5B

26dB Bandwidth

Mode	LTE Band 5B : 26dB BW(MHz)		
QPSK			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	8.15	8.39	14.81
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.99	19.82	-

Mode	LTE Band 5B : 26dB BW(MHz)		
16QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	8.12	8.42	14.72
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.87	19.94	-

Mode	LTE Band 5B : 26dB BW(MHz)		
64QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	8.12	8.14	14.51
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	14.84	19.62	-

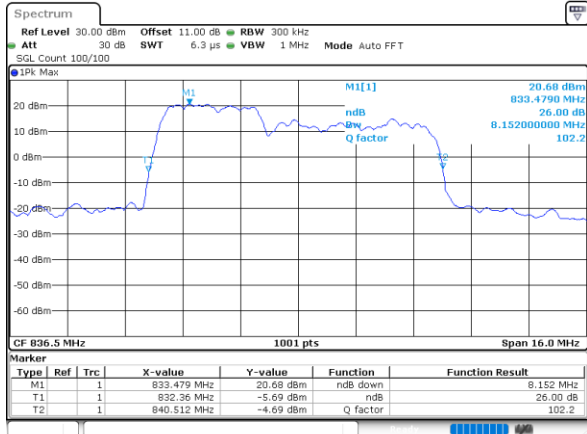
Mode	LTE Band 5B : 26dB BW(MHz)		
256QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	8.06	8.46	14.54
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	15.26	20.10	-



LTE Band 5B

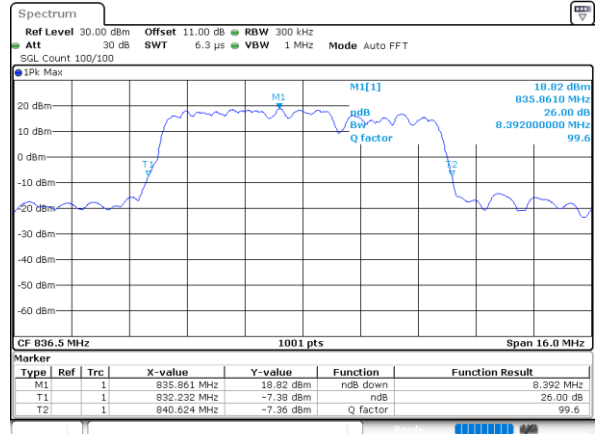
QPSK

Middle Channel / 3MHz+5MHz



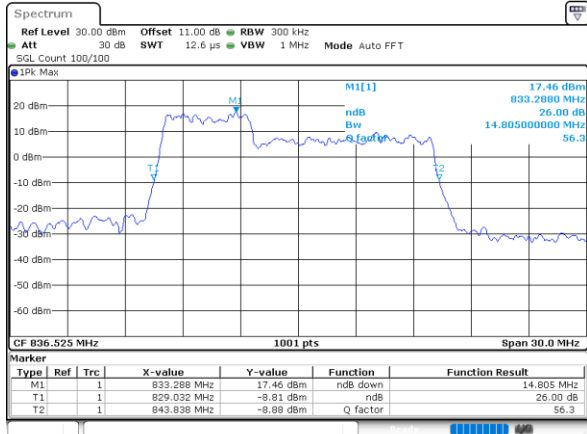
Date: 16.MAR.2023 02:02:42

Middle Channel / 5MHz+3MHz



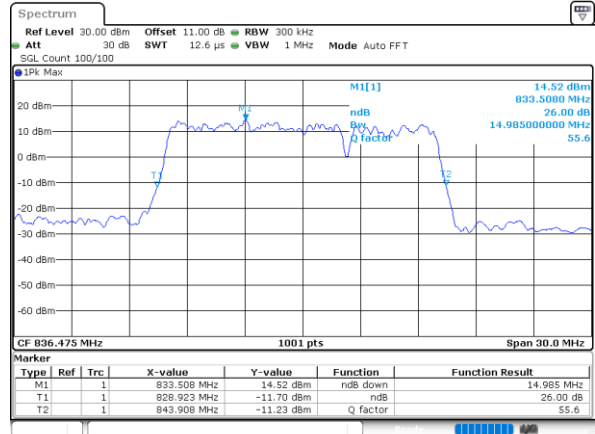
Date: 16.MAR.2023 17:35:21

Middle Channel / 5MHz+10MHz



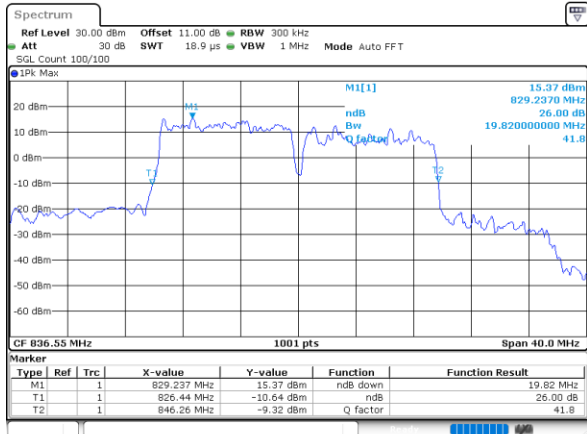
Date: 16.MAR.2023 09:21:13

Middle Channel / 10MHz+5MHz



Date: 16.MAR.2023 09:54:02

Middle Channel / 10MHz+10MHz



Date: 16.MAR.2023 10:25:21

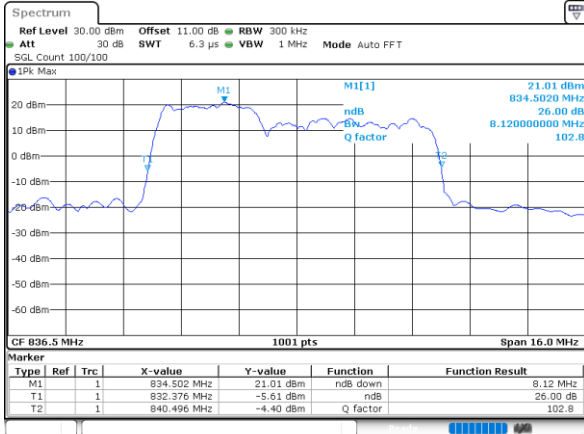
N/A



LTE Band 5B

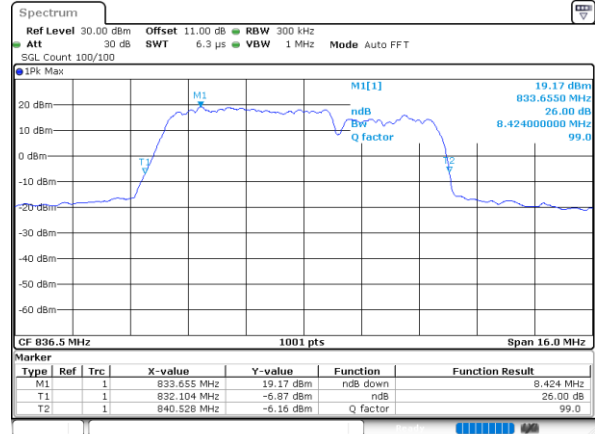
16QAM

Middle Channel / 3MHz+5MHz



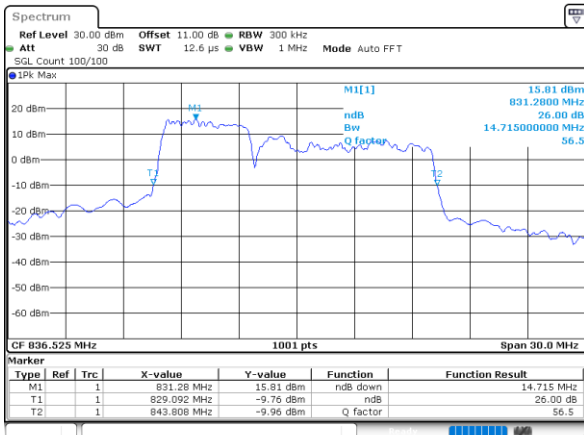
Date: 16.MAR.2023 02:02:11

Middle Channel / 5MHz+3MHz



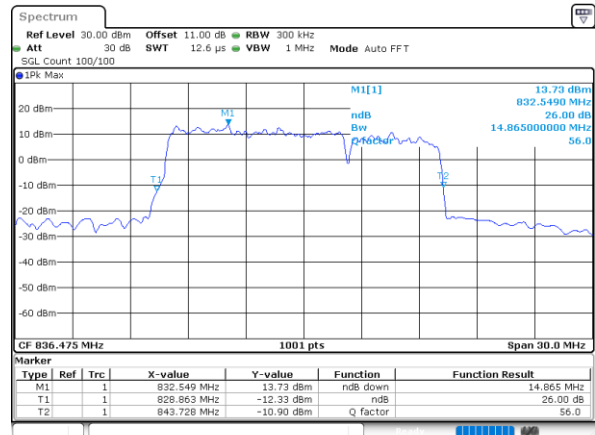
Date: 16.MAR.2023 17:35:58

Middle Channel / 5MHz+10MHz



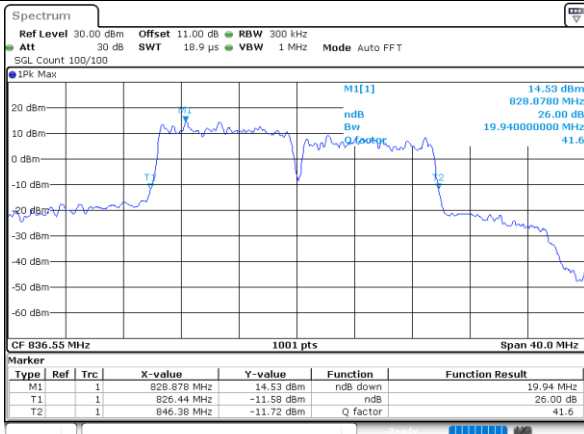
Date: 16.MAR.2023 09:20:35

Middle Channel / 10MHz+5MHz



Date: 16.MAR.2023 09:53:25

Middle Channel / 10MHz+10MHz



Date: 16.MAR.2023 10:24:22

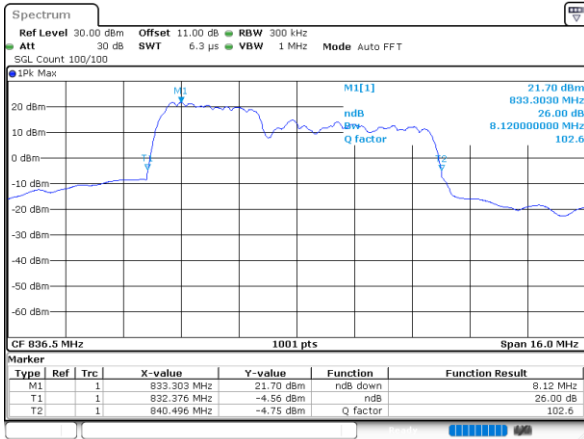
N/A



LTE Band 5B

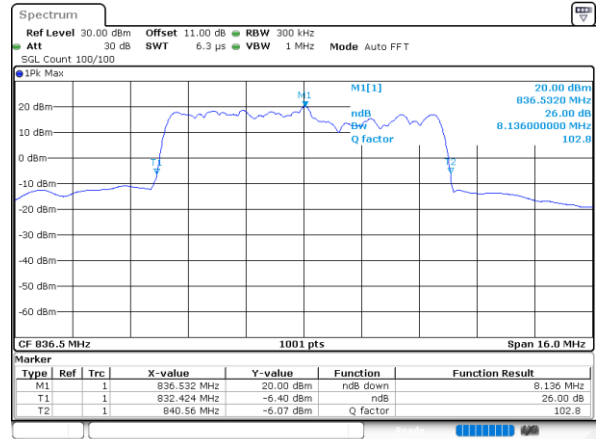
64QAM

Middle Channel / 3MHz+5MHz



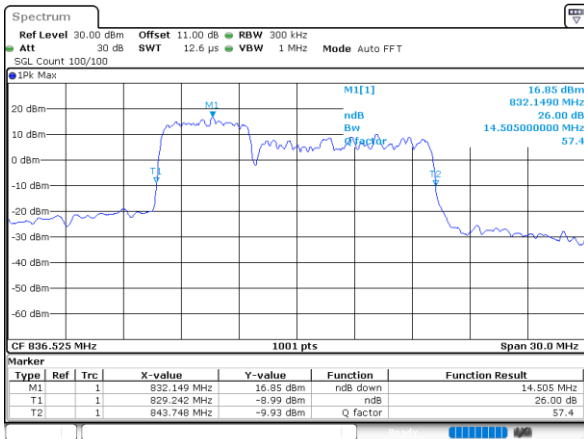
Date: 16.MAR.2023 02:01:40

Middle Channel / 5MHz+3MHz



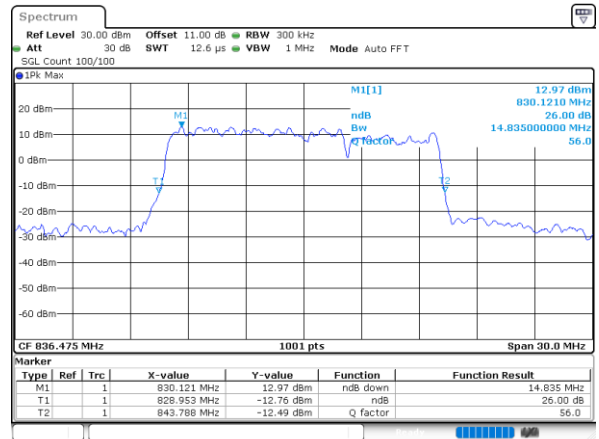
Date: 16.MAR.2023 17:37:51

Middle Channel / 5MHz+10MHz



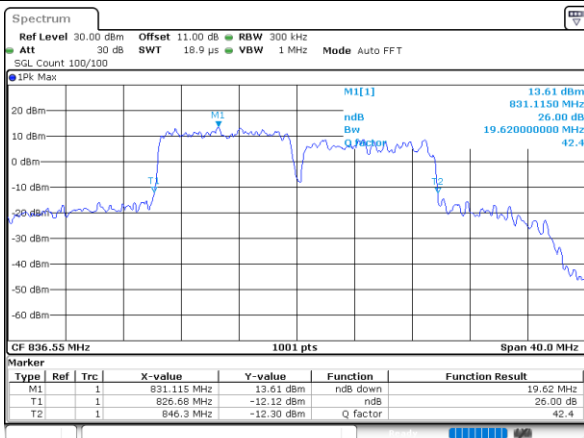
Date: 16.MAR.2023 09:19:58

Middle Channel / 10MHz+5MHz



Date: 16.MAR.2023 09:52:49

Middle Channel / 10MHz+10MHz



Date: 16.MAR.2023 10:23:23

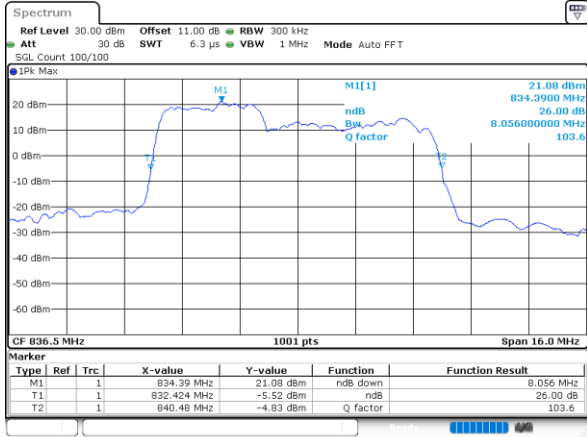
N/A



LTE Band 5B

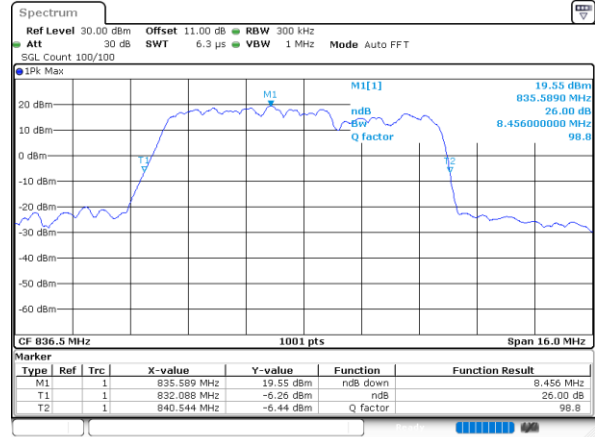
256QAM

Middle Channel / 3MHz+5MHz



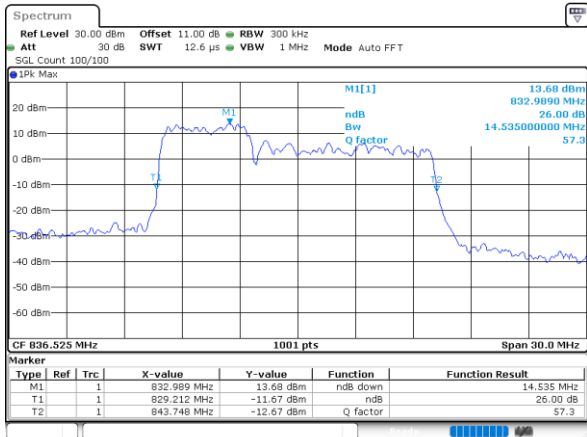
Date: 16.MAR.2023 10:36:14

Middle Channel / 5MHz+3MHz



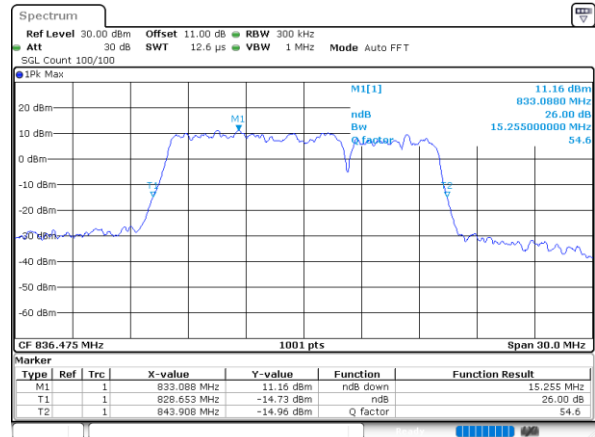
Date: 16.MAR.2023 17:38:27

Middle Channel / 5MHz+10MHz



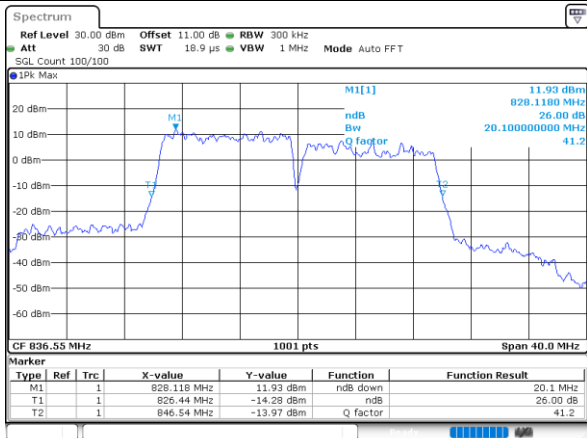
Date: 16.MAR.2023 10:53:28

Middle Channel / 10MHz+5MHz



Date: 16.MAR.2023 11:01:50

Middle Channel / 10MHz+10MHz



Date: 16.MAR.2023 11:10:26

N/A



Occupied Bandwidth

Mode	LTE Band 5B : 99%OBW(MHz)		
QPSK			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.53	7.59	13.94
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.88	18.74	-

Mode	LTE Band 5B : 99%OBW(MHz)		
16QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.54	7.66	13.76
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.94	18.86	-

Mode	LTE Band 5B : 99%OBW(MHz)		
64QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.48	7.50	13.85
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.94	18.82	-

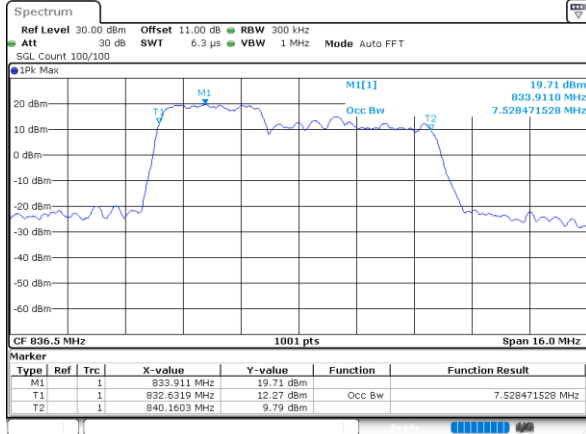
Mode	LTE Band 5B : 99%OBW(MHz)		
254QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Middle CH	7.50	7.51	13.79
BW	10MHz+5MHz	10MHz+10MHz	N/A
Middle CH	13.91	18.70	-



LTE Band 5B

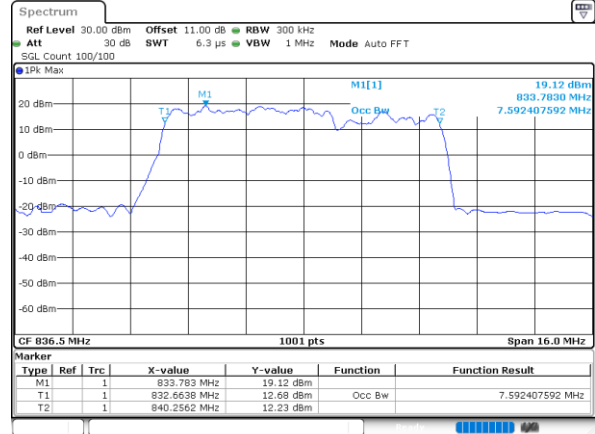
QPSK

Middle Channel / 3MHz+5MHz



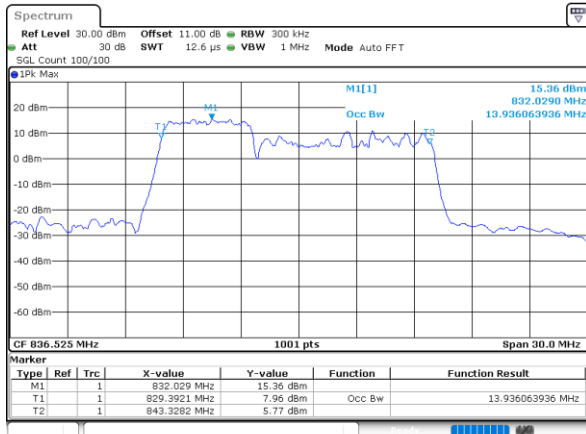
Date: 16.MAR.2023 02:00:09

Middle Channel / 5MHz+3MHz



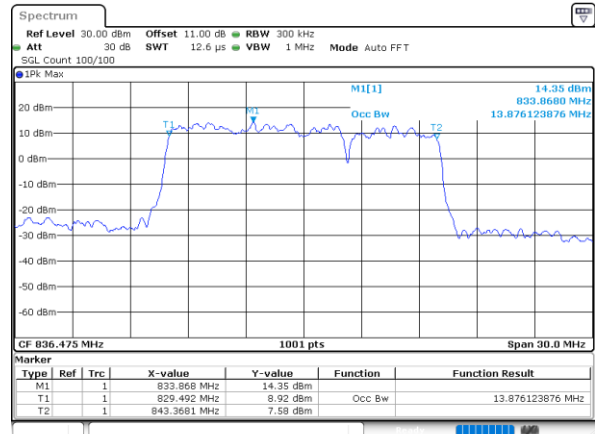
Date: 16.MAR.2023 17:34:46

Middle Channel / 5MHz+10MHz



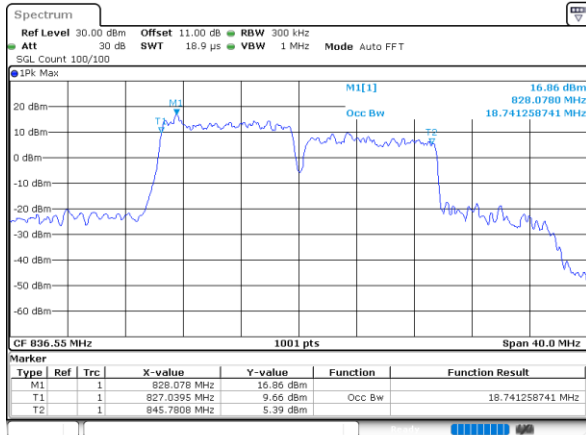
Date: 16.MAR.2023 09:18:08

Middle Channel / 10MHz+5MHz



Date: 16.MAR.2023 09:51:00

Middle Channel / 10MHz+10MHz



Date: 16.MAR.2023 10:21:22

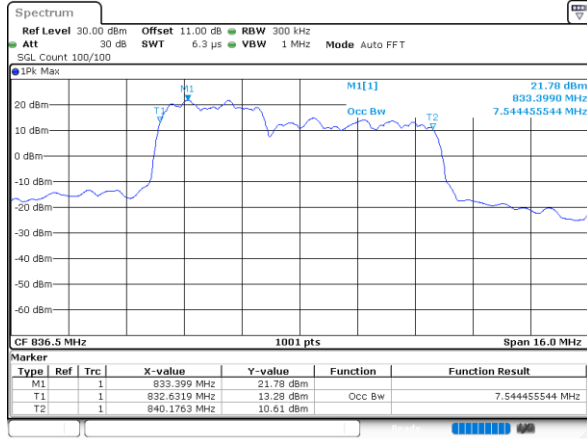
N/A



LTE Band 5B

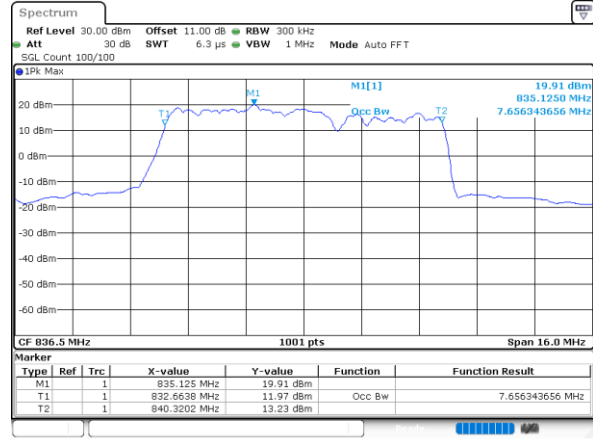
16QAM

Middle Channel / 3MHz+5MHz



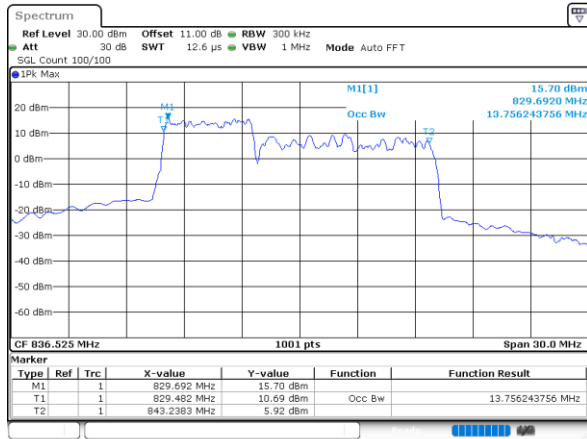
Date: 16.MAR.2023 02:00:39

Middle Channel / 5MHz+3MHz



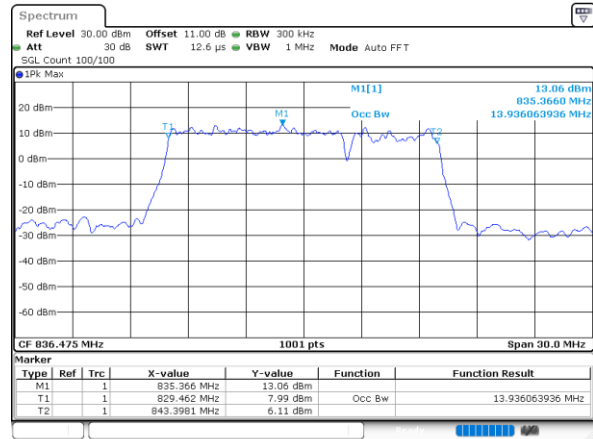
Date: 16.MAR.2023 17:36:37

Middle Channel / 5MHz+10MHz



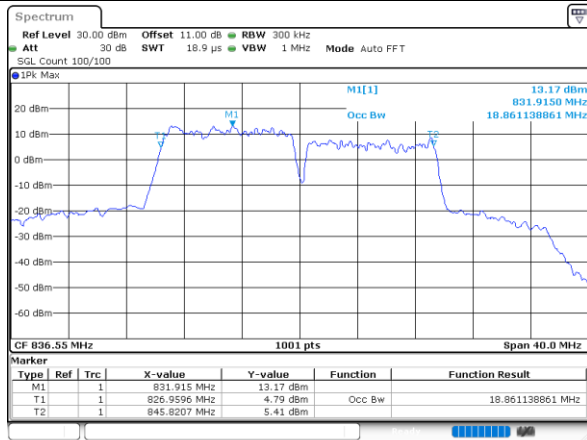
Date: 16.MAR.2023 09:18:45

Middle Channel / 10MHz+5MHz



Date: 16.MAR.2023 09:51:36

Middle Channel / 10MHz+10MHz



Date: 16.MAR.2023 10:21:53

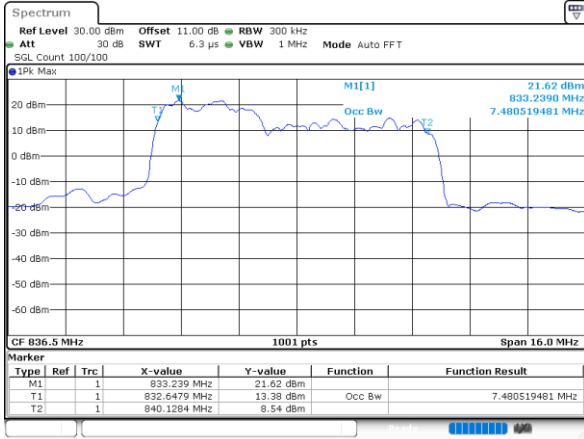
N/A



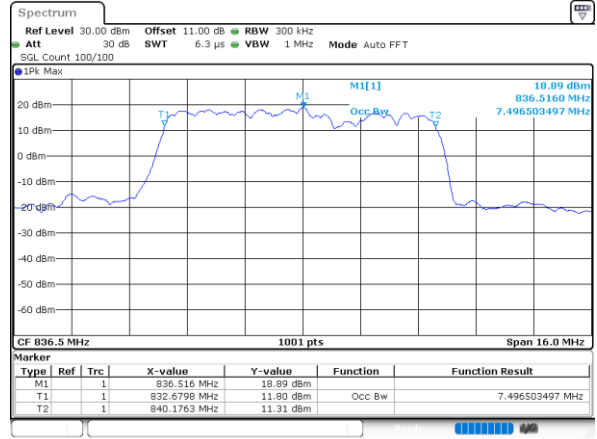
LTE Band 5B

64QAM

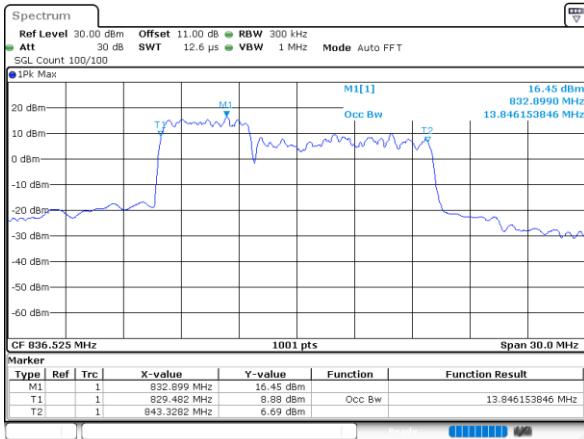
Middle Channel / 3MHz+5MHz



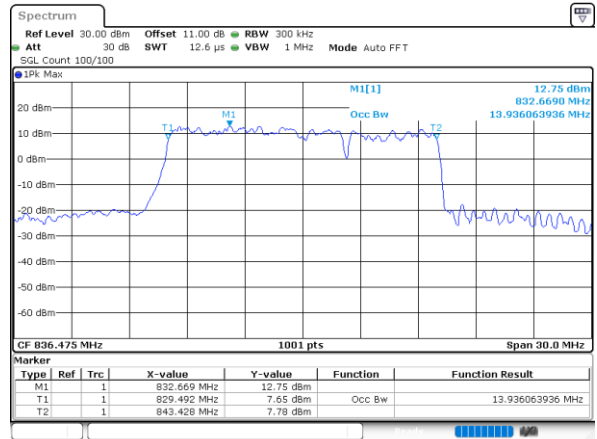
Middle Channel / 5MHz+3MHz



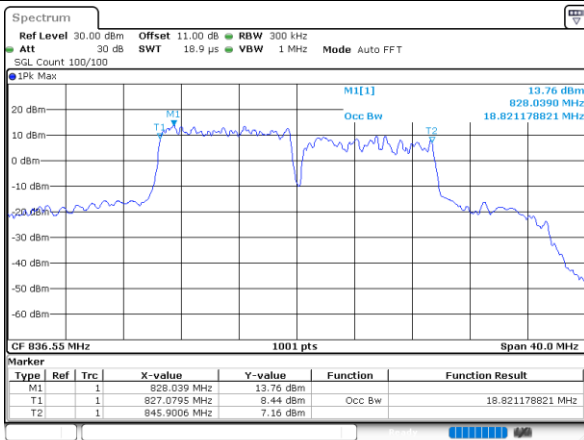
Middle Channel / 5MHz+10MHz



Middle Channel / 10MHz+5MHz



Middle Channel / 10MHz+10MHz



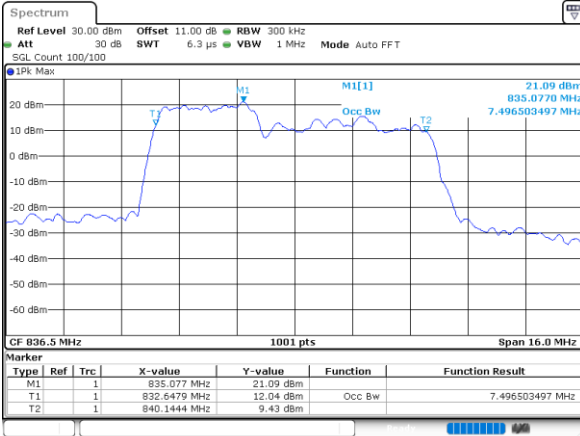
N/A



LTE Band 5B

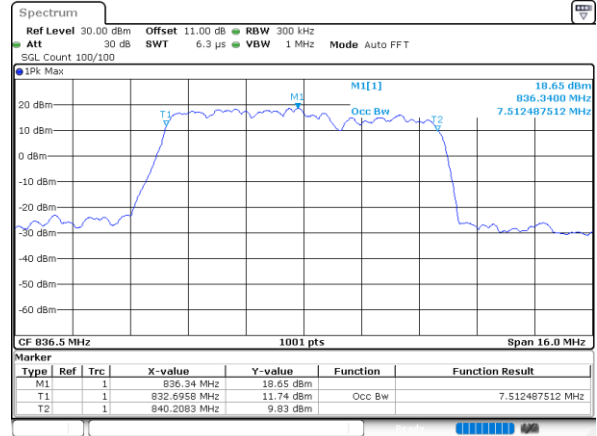
256QAM

Middle Channel / 3MHz+5MHz



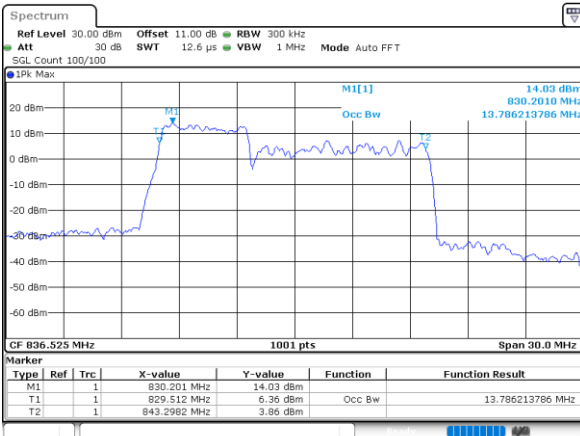
Date: 16.MAR.2023 10:35:38

Middle Channel / 5MHz+3MHz



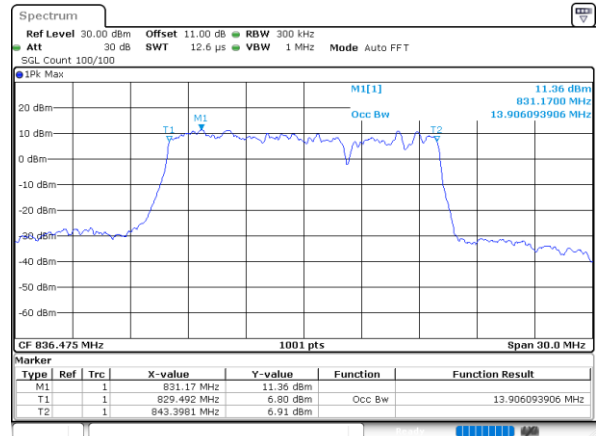
Date: 16.MAR.2023 17:39:04

Middle Channel / 5MHz+10MHz



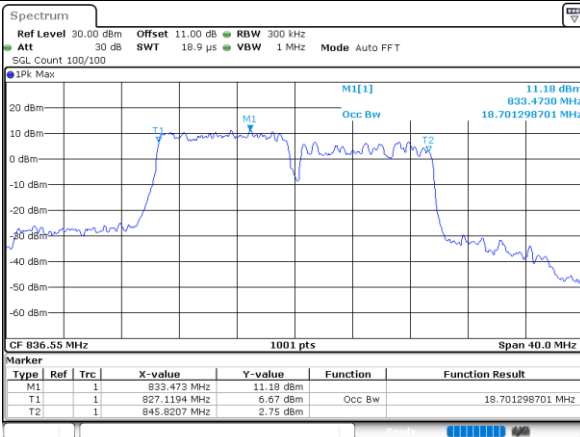
Date: 16.MAR.2023 10:52:52

Middle Channel / 10MHz+5MHz



Date: 16.MAR.2023 11:01:14

Middle Channel / 10MHz+10MHz



Date: 16.MAR.2023 11:08:59

N/A



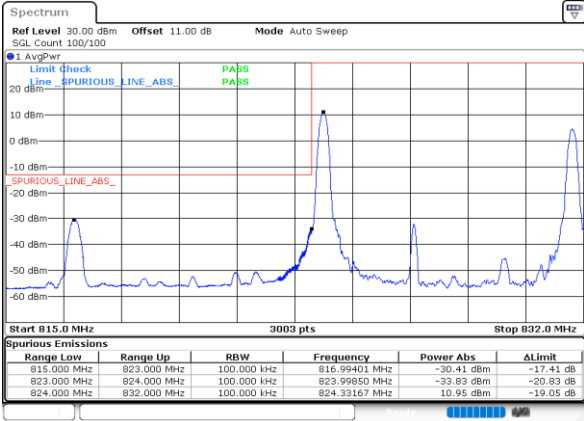
Conducted Band Edge



LTE Band 5B / 3MHz+5MHz

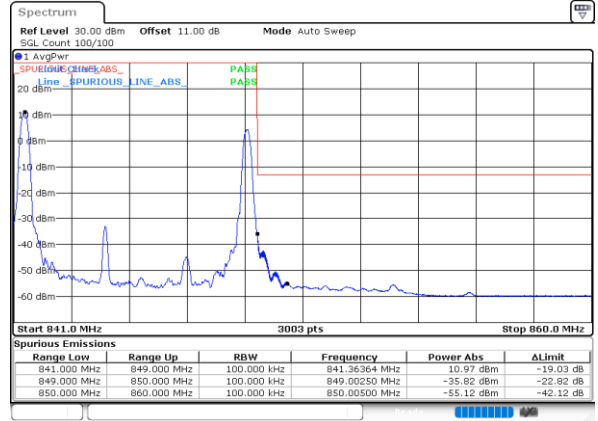
QPSK

Lowest Band Edge / 1RB0 and 1RB24



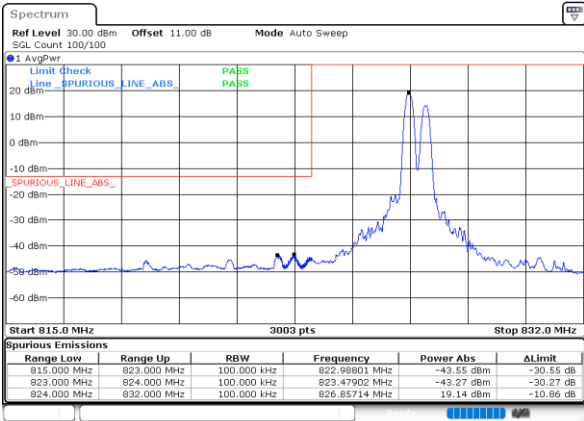
Date: 16.MAR.2023 01:53:49

Highest Band Edge / 1RB0 and 1RB24



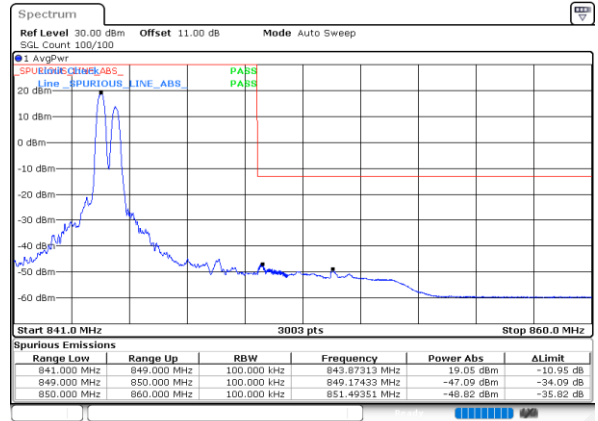
Date: 16.MAR.2023 01:39:31

Lowest Band Edge / 1RB14 and 1RB0



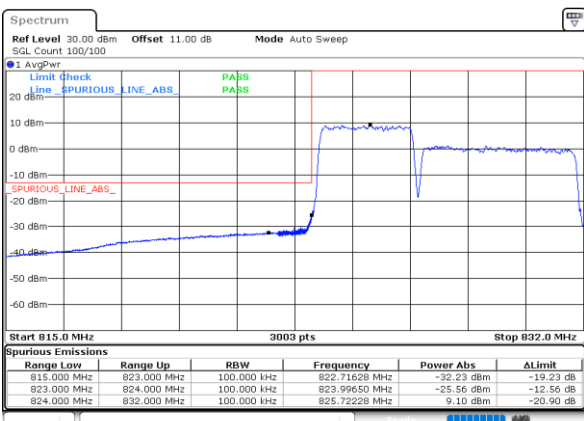
Date: 16.MAR.2023 01:54:50

Highest Band Edge / 1RB14 and 1RB0



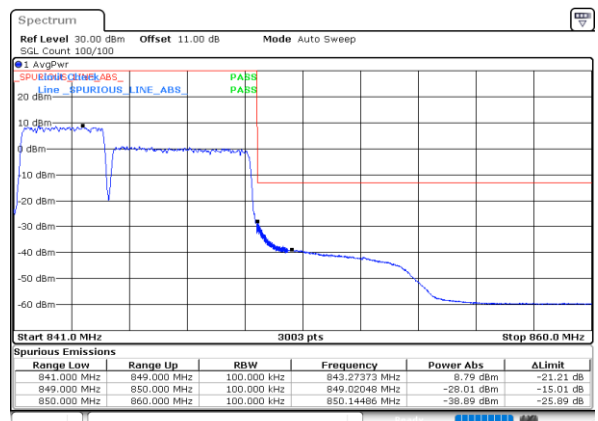
Date: 16.MAR.2023 01:44:56

Lowest Band Edge / Full RB



Date: 16.MAR.2023 01:48:20

Highest Band Edge / Full RB



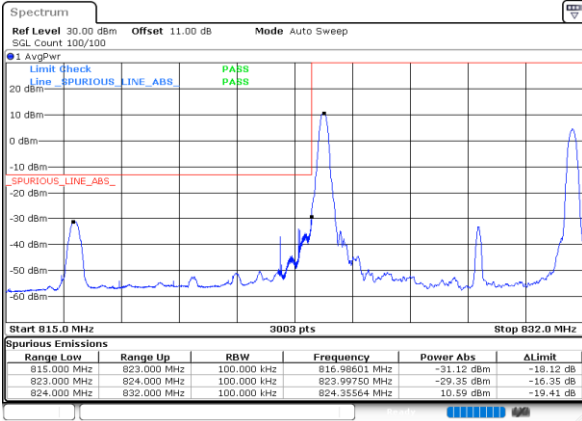
Date: 16.MAR.2023 01:38:29



LTE Band 5B / 5MHz+3MHz

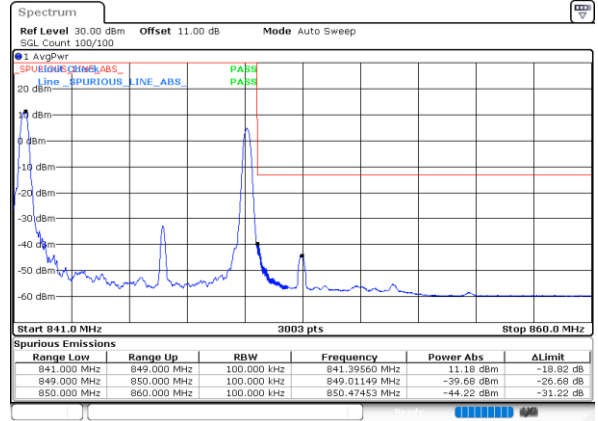
QPSK

Lowest Band Edge / 1RB0 and 1RB14



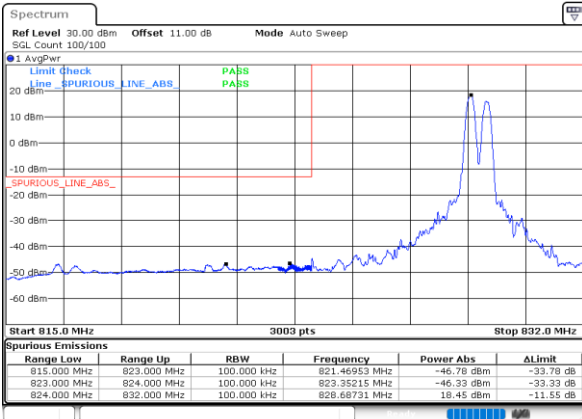
Date: 16.MAR.2023 15:28:18

Highest Band Edge / 1RB0 and 1RB14



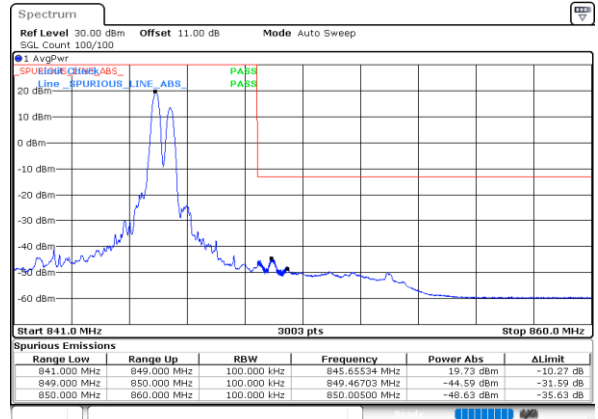
Date: 16.MAR.2023 23:35:48

Lowest Band Edge / 1RB24 and 1RB0



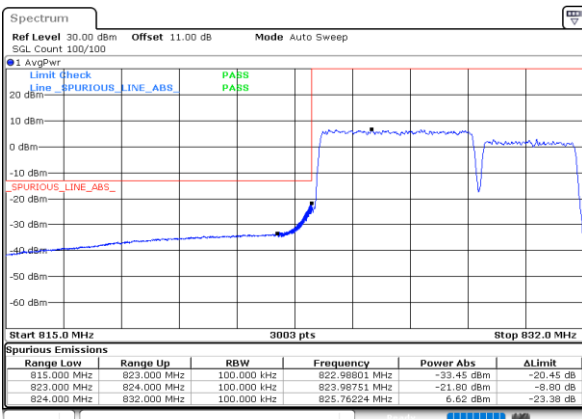
Date: 16.MAR.2023 15:33:45

Highest Band Edge / 1RB24 and 1RB0



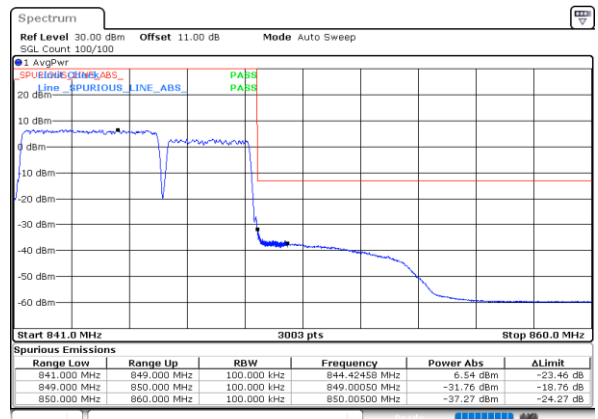
Date: 16.MAR.2023 17:26:24

Lowest Band Edge / Full RB



Date: 16.MAR.2023 15:22:34

Highest Band Edge / Full RB



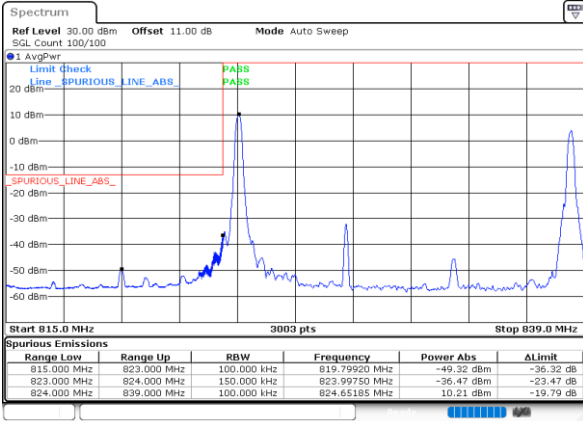
Date: 16.MAR.2023 16:11:08



LTE Band 5B / 5MHz+10MHz

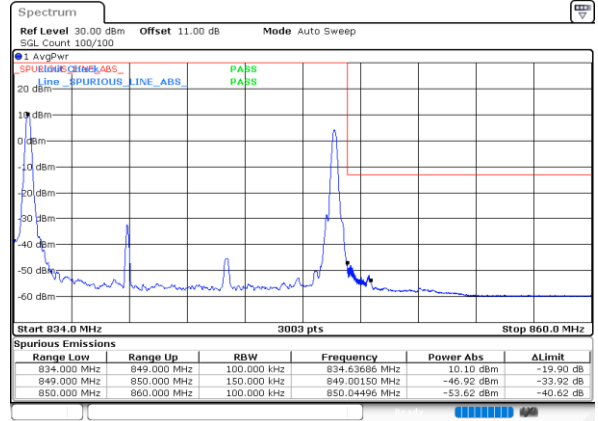
QPSK

Lowest Band Edge / 1RB0 and 1RB49



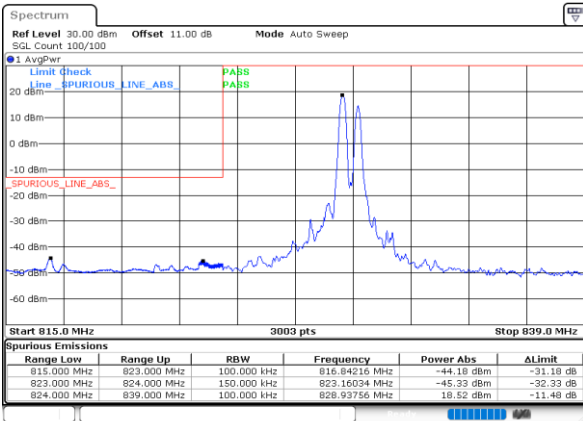
Date: 16.MAR.2023 09:10:57

Highest Band Edge / 1RB0 and 1RB49



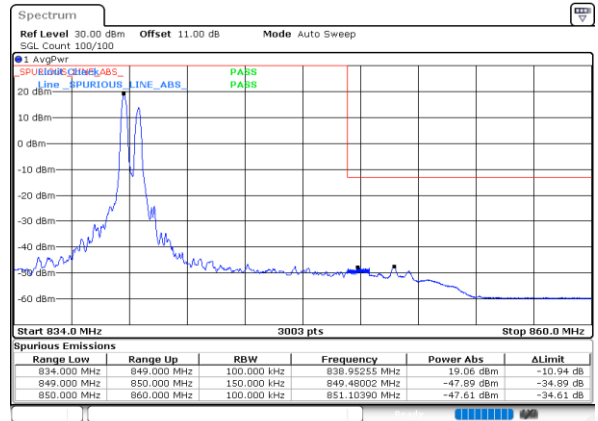
Date: 16.MAR.2023 08:55:31

Lowest Band Edge / 1RB24 and 1RB0



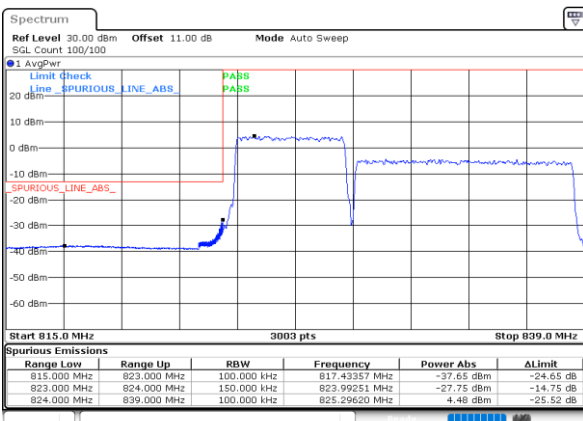
Date: 16.MAR.2023 09:12:03

Highest Band Edge / 1RB24 and 1RB0



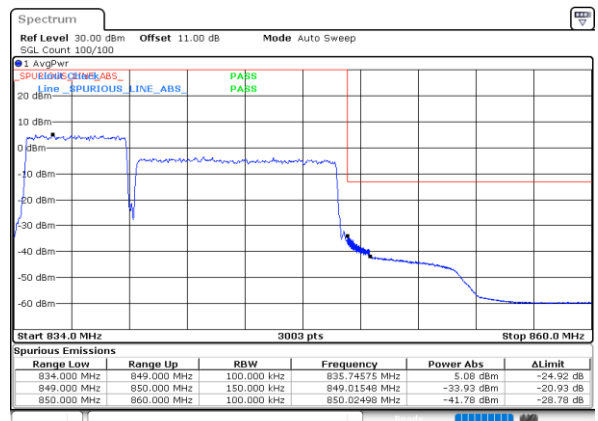
Date: 16.MAR.2023 09:01:06

Lowest Band Edge / Full RB



Date: 16.MAR.2023 09:05:21

Highest Band Edge / Full RB



Date: 16.MAR.2023 08:52:37

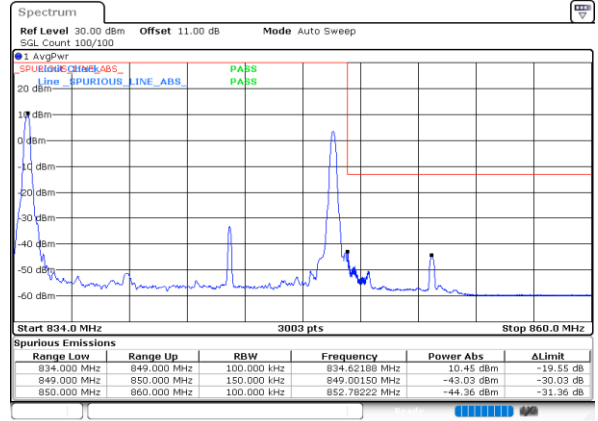
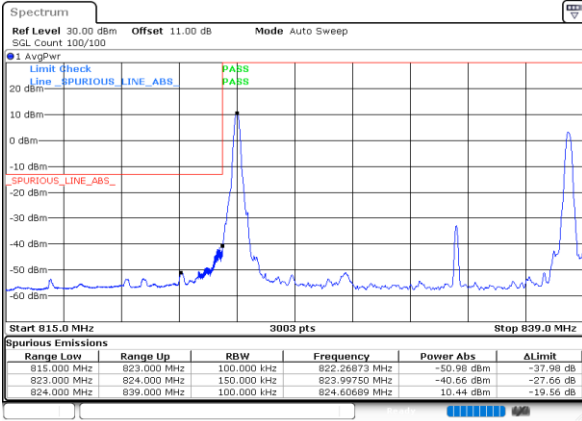


LTE Band 5B / 10MHz+5MHz

QPSK

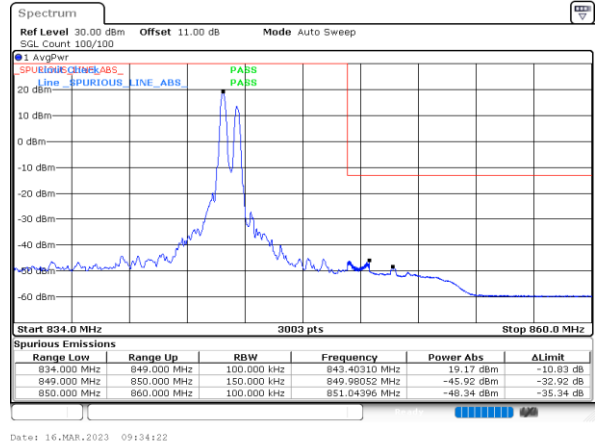
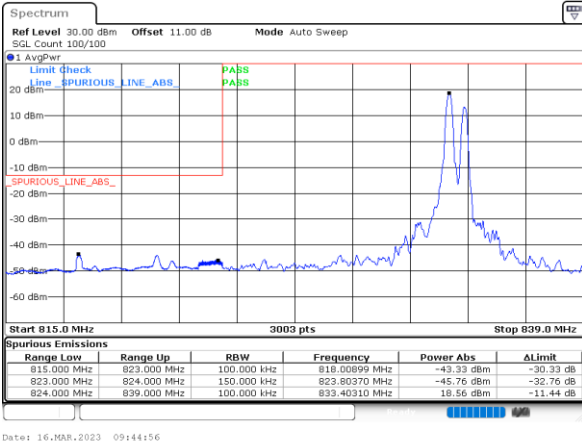
Lowest Band Edge / 1RB0 and 1RB24

Highest Band Edge / 1RB0 and 1RB24



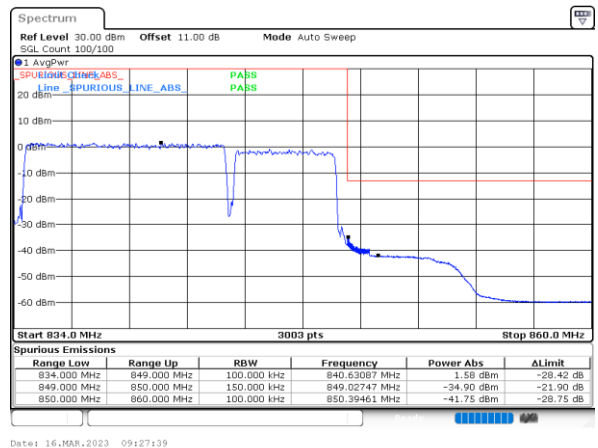
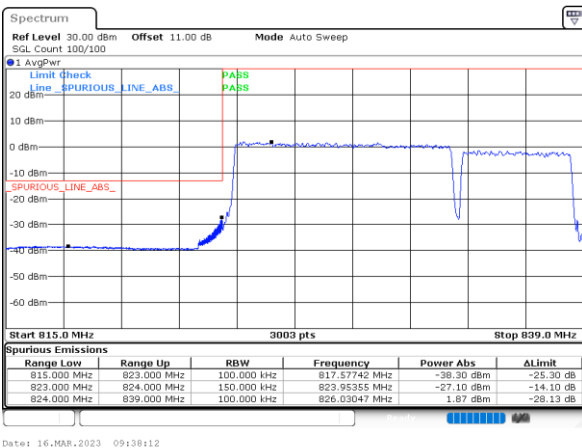
Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

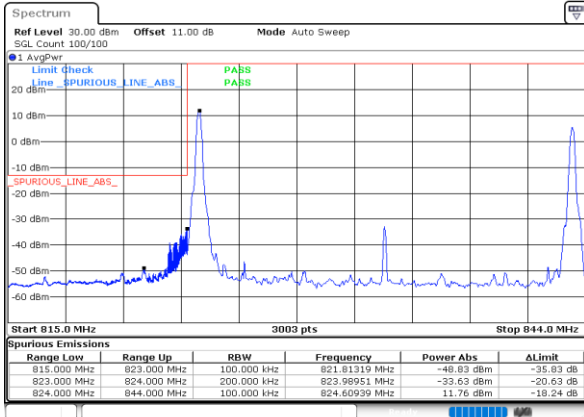




LTE Band 5B / 10MHz+10MHz

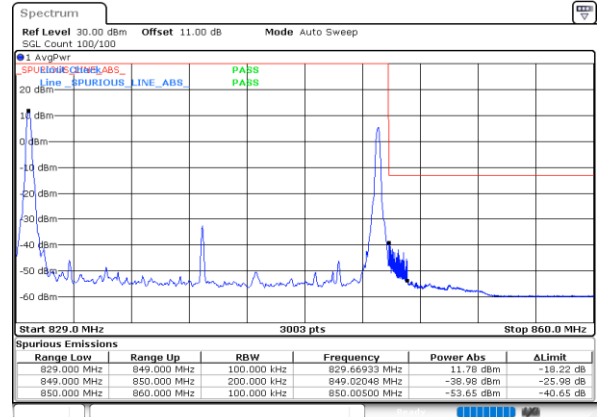
QPSK

Lowest Band Edge / 1RB0 and 1RB49



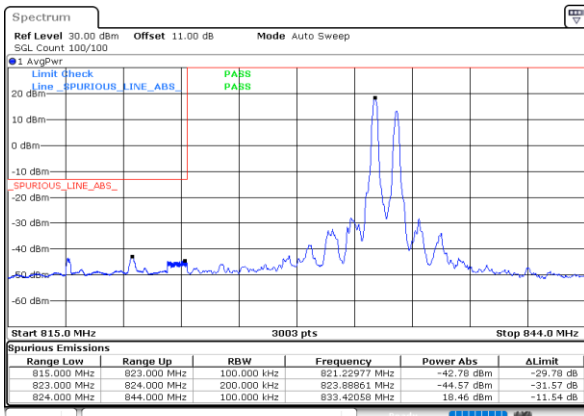
Date: 16.MAR.2023 10:14:44

Highest Band Edge / 1RB0 and 1RB49



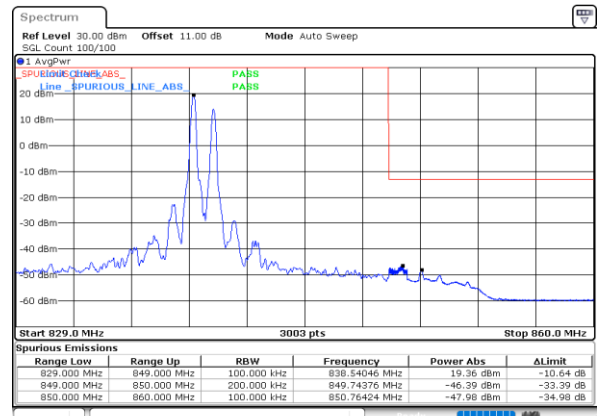
Date: 16.MAR.2023 10:00:49

Lowest Band Edge / 1RB49 and 1RB0



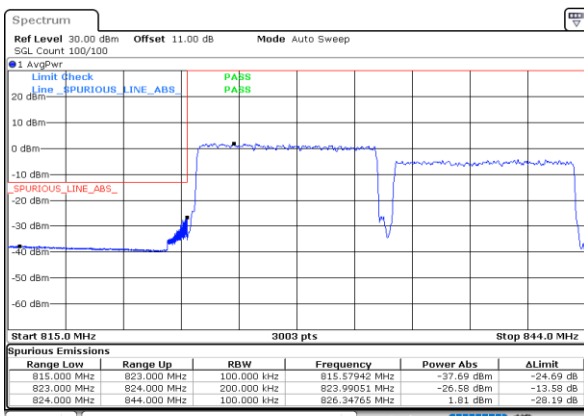
Date: 16.MAR.2023 10:15:46

Highest Band Edge / 1RB49 and 1RB0



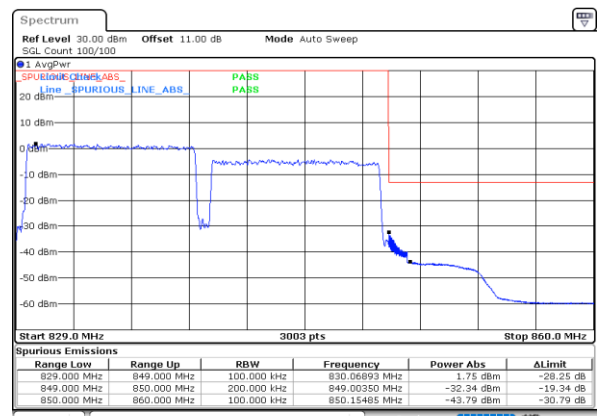
Date: 16.MAR.2023 10:05:58

Lowest Band Edge / Full RB



Date: 16.MAR.2023 10:09:33

Highest Band Edge / Full RB



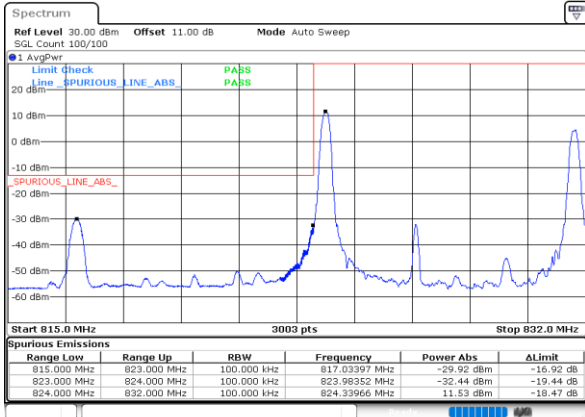
Date: 16.MAR.2023 09:59:47



LTE Band 5B / 3MHz+5MHz

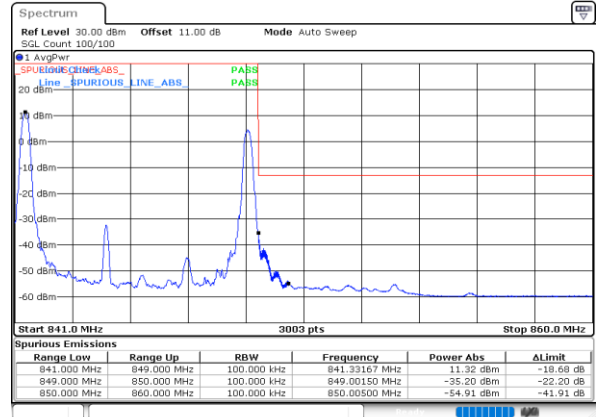
16QAM

Lowest Band Edge / 1RB0 and 1RB24



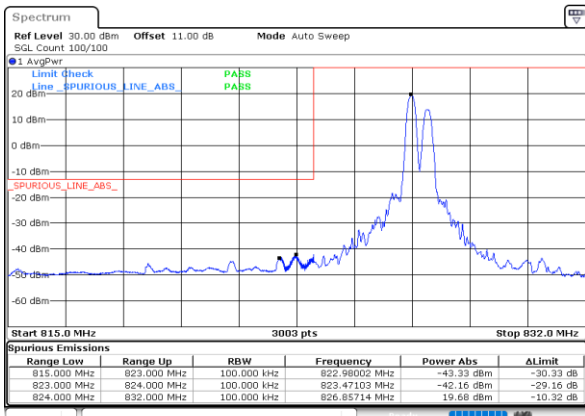
Date: 16.MAR.2023 01:52:48

Highest Band Edge / 1RB0 and 1RB24



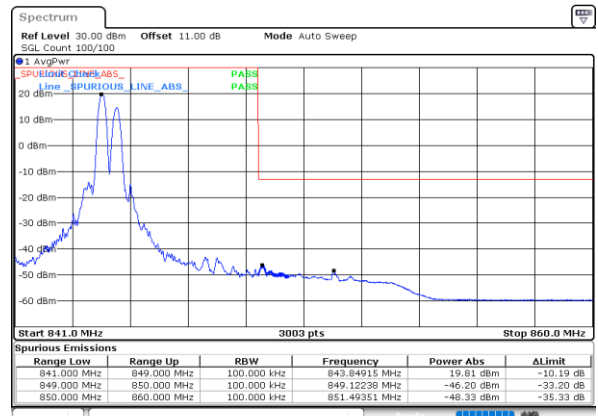
Date: 16.MAR.2023 01:40:32

Lowest Band Edge / 1RB14 and 1RB0



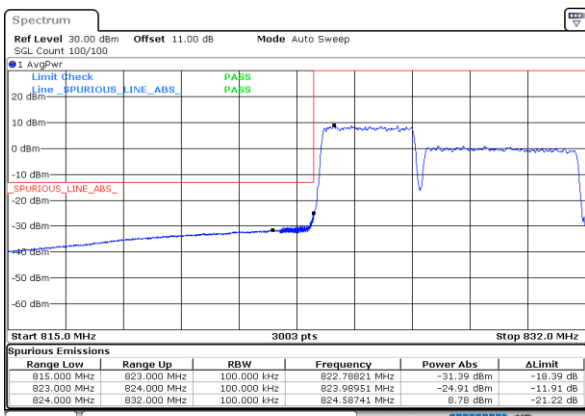
Date: 16.MAR.2023 01:55:52

Highest Band Edge / 1RB14 and 1RB0



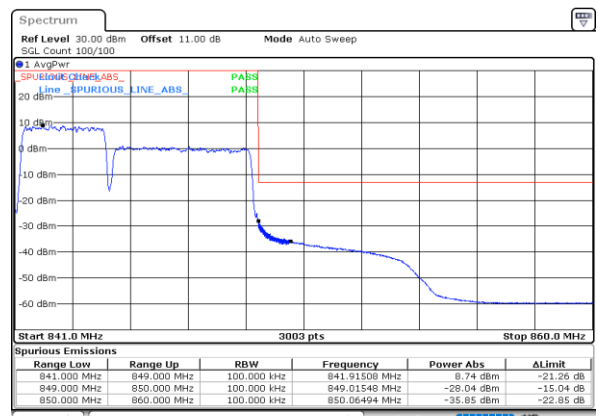
Date: 16.MAR.2023 01:43:55

Lowest Band Edge / Full RB



Date: 16.MAR.2023 01:49:43

Highest Band Edge / Full RB



Date: 16.MAR.2023 01:37:28

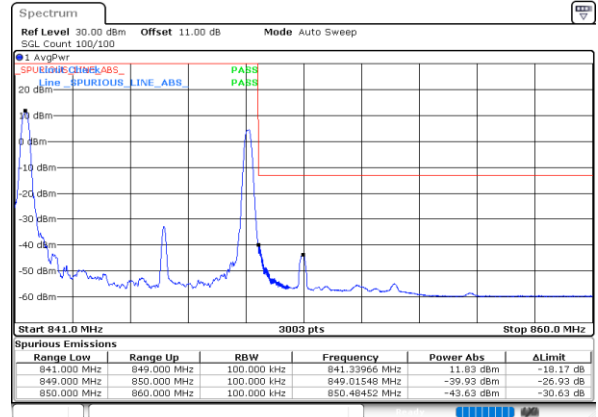
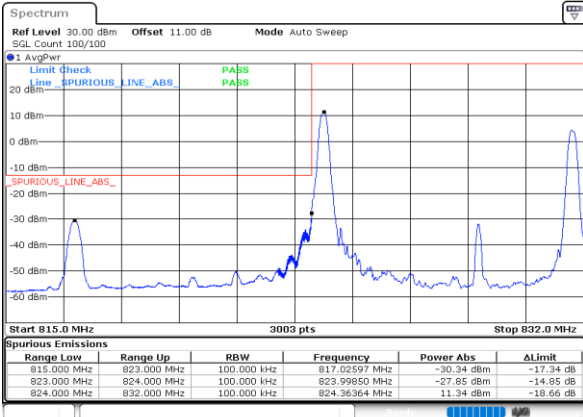


LTE Band 5B / 5MHz+3MHz

16QAM

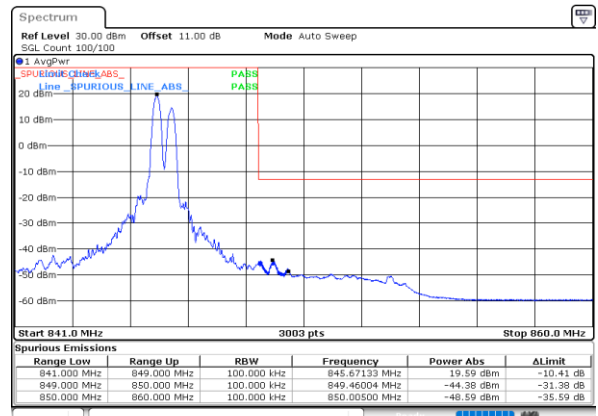
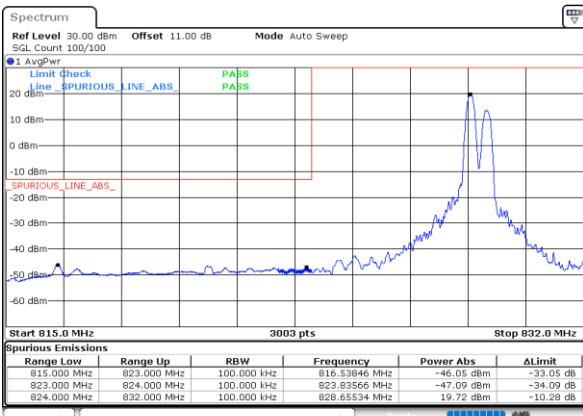
Lowest Band Edge / 1RB0 and 1RB14

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

