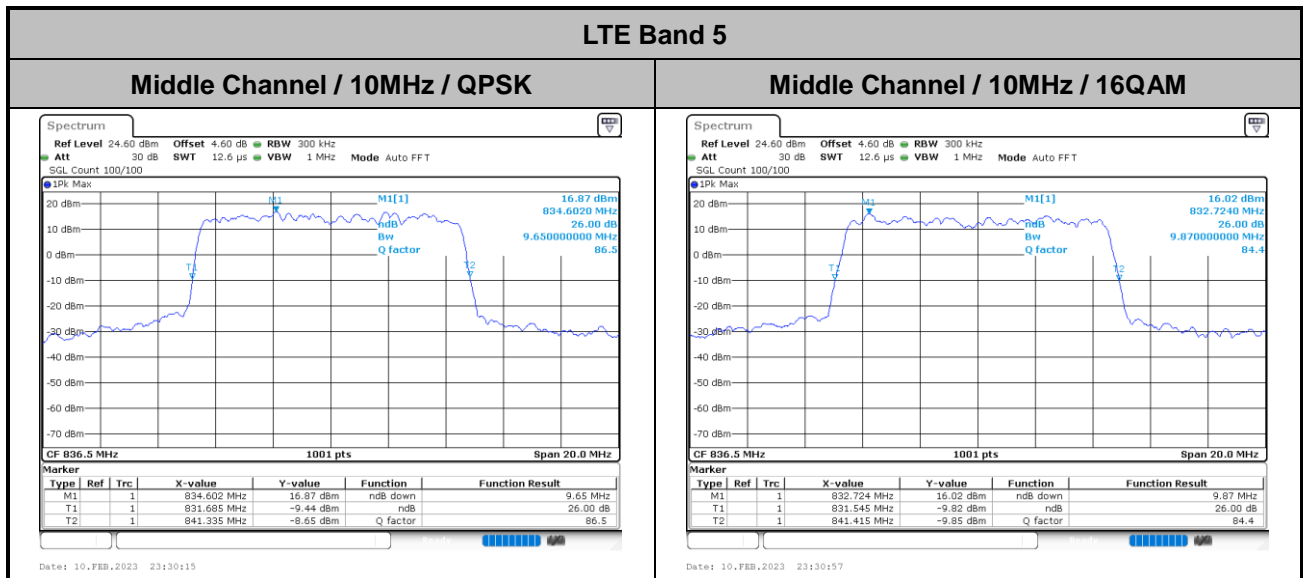




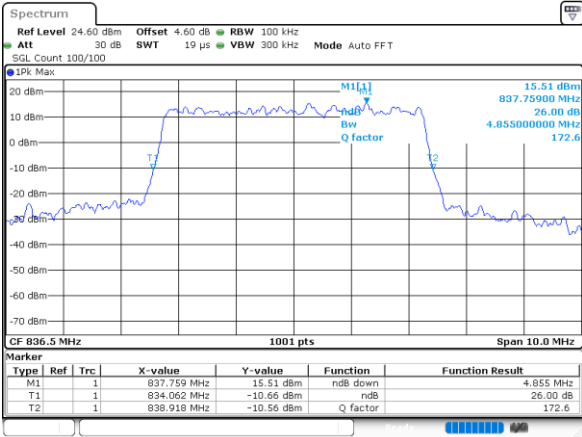
26dB Bandwidth

Mode	LTE Band 5 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.65	9.87
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.86	4.93
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.06	2.99
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.24	1.23



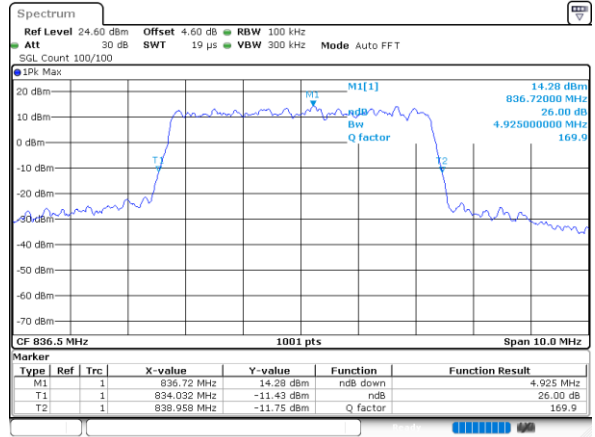


Middle Channel / 5MHz / QPSK



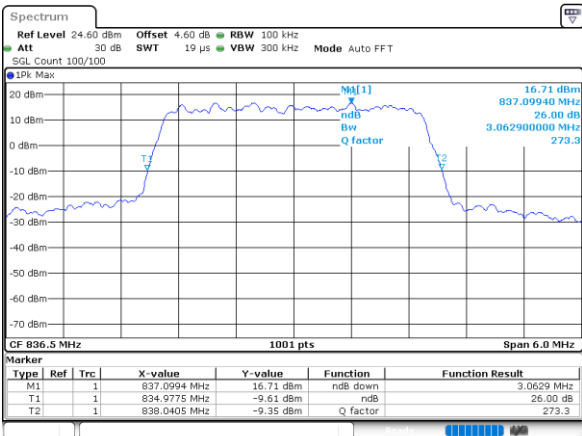
Date: 10.FEB.2023 23:32:00

Middle Channel / 5MHz / 16QAM



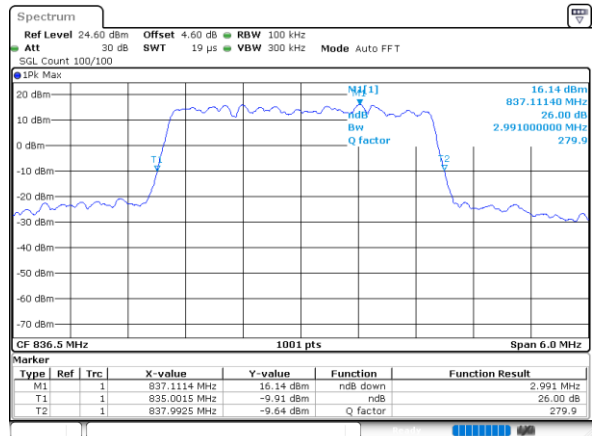
Date: 10.FEB.2023 23:32:21

Middle Channel / 3MHz / QPSK



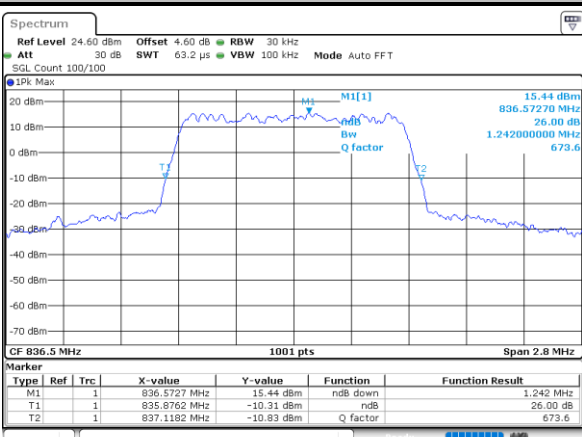
Date: 11.FEB.2023 00:02:09

Middle Channel / 3MHz / 16QAM



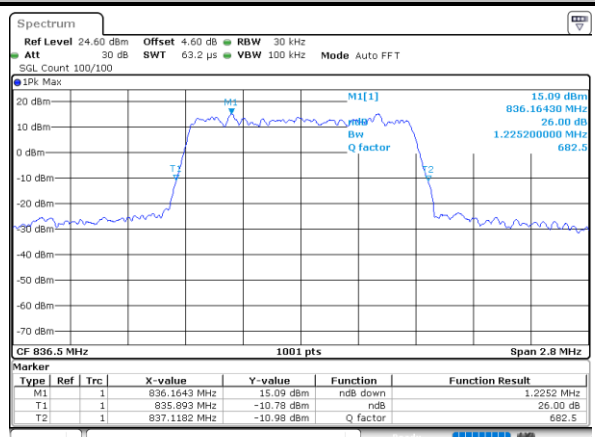
Date: 11.FEB.2023 00:02:30

Middle Channel / 1.4MHz / QPSK



Date: 11.FEB.2023 01:43:46

Middle Channel / 1.4MHz / 16QAM

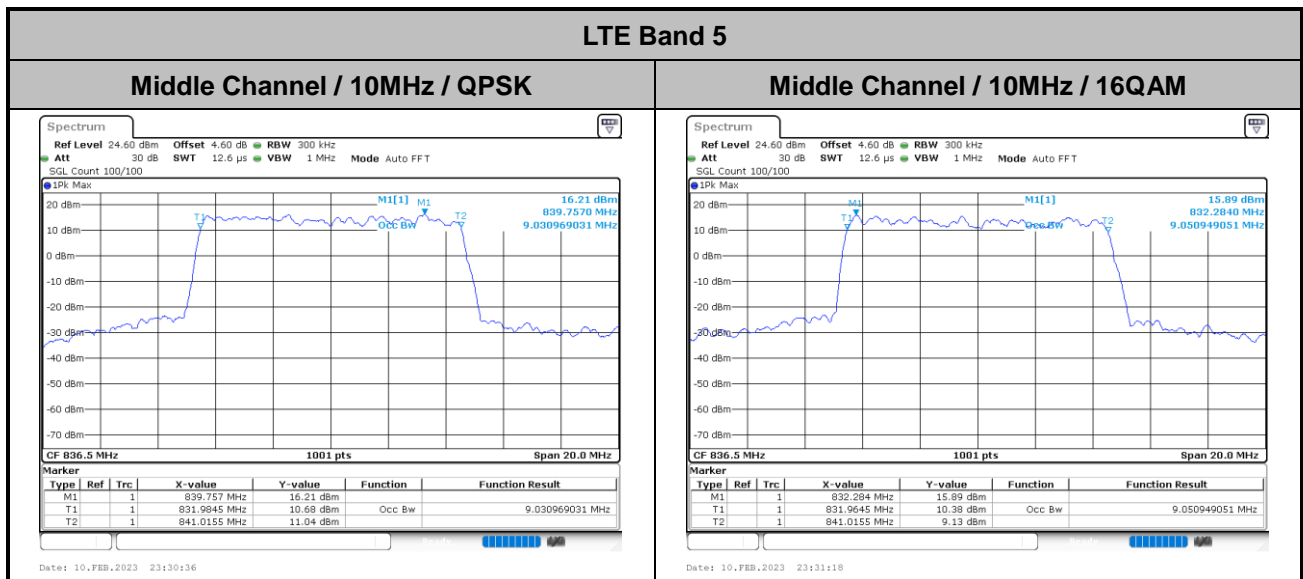


Date: 11.FEB.2023 01:44:09



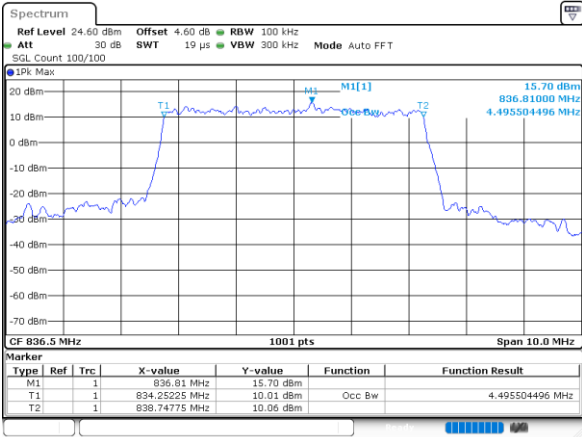
Occupied Bandwidth

Mode	LTE Band 5 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.03	9.05
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.50	4.49
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.73	2.71
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	1.10



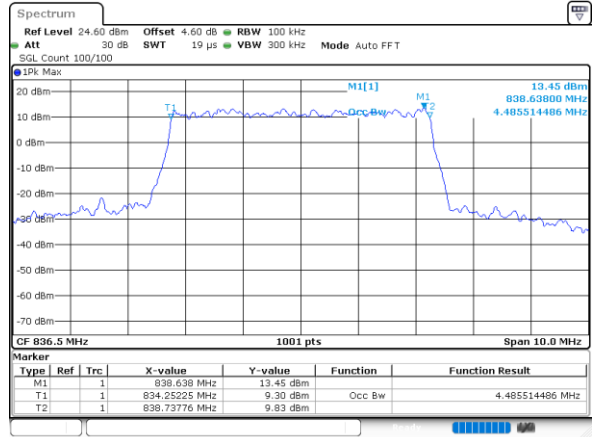


Middle Channel / 5MHz / QPSK



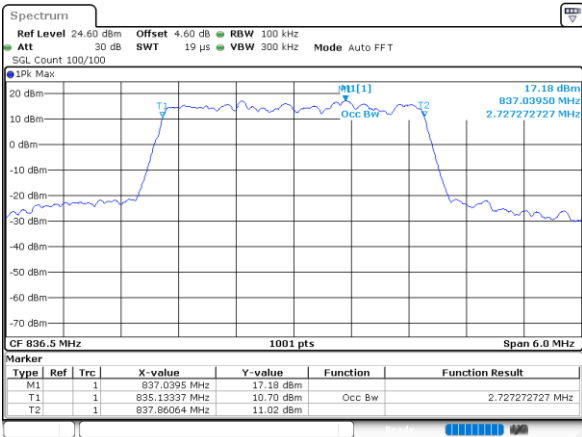
Date: 10.FEB.2023 23:31:39

Middle Channel / 5MHz / 16QAM



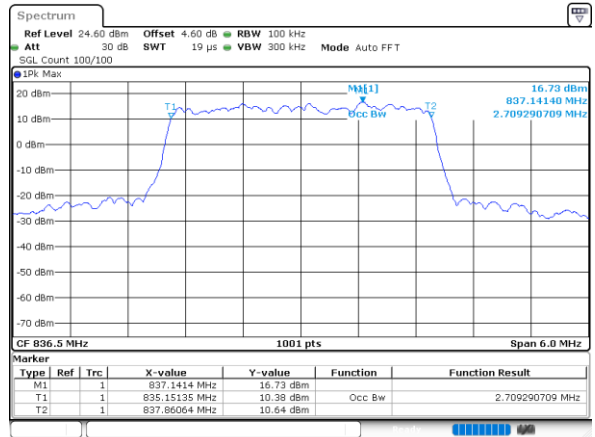
Date: 10.FEB.2023 23:32:42

Middle Channel / 3MHz / QPSK



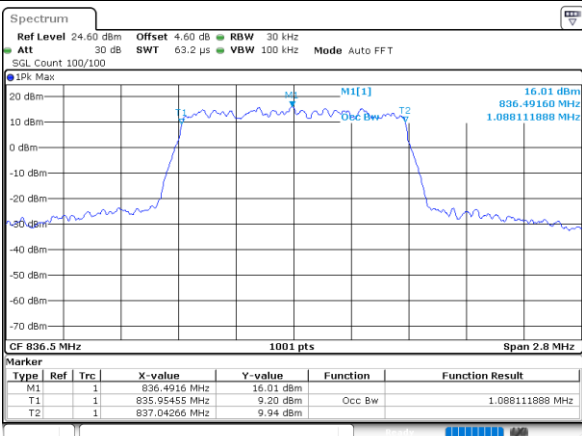
Date: 11.FEB.2023 00:01:49

Middle Channel / 3MHz / 16QAM



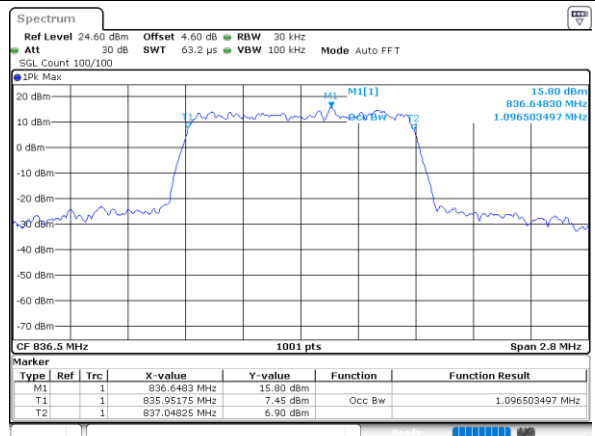
Date: 11.FEB.2023 00:02:51

Middle Channel / 1.4MHz / QPSK



Date: 11.FEB.2023 01:43:27

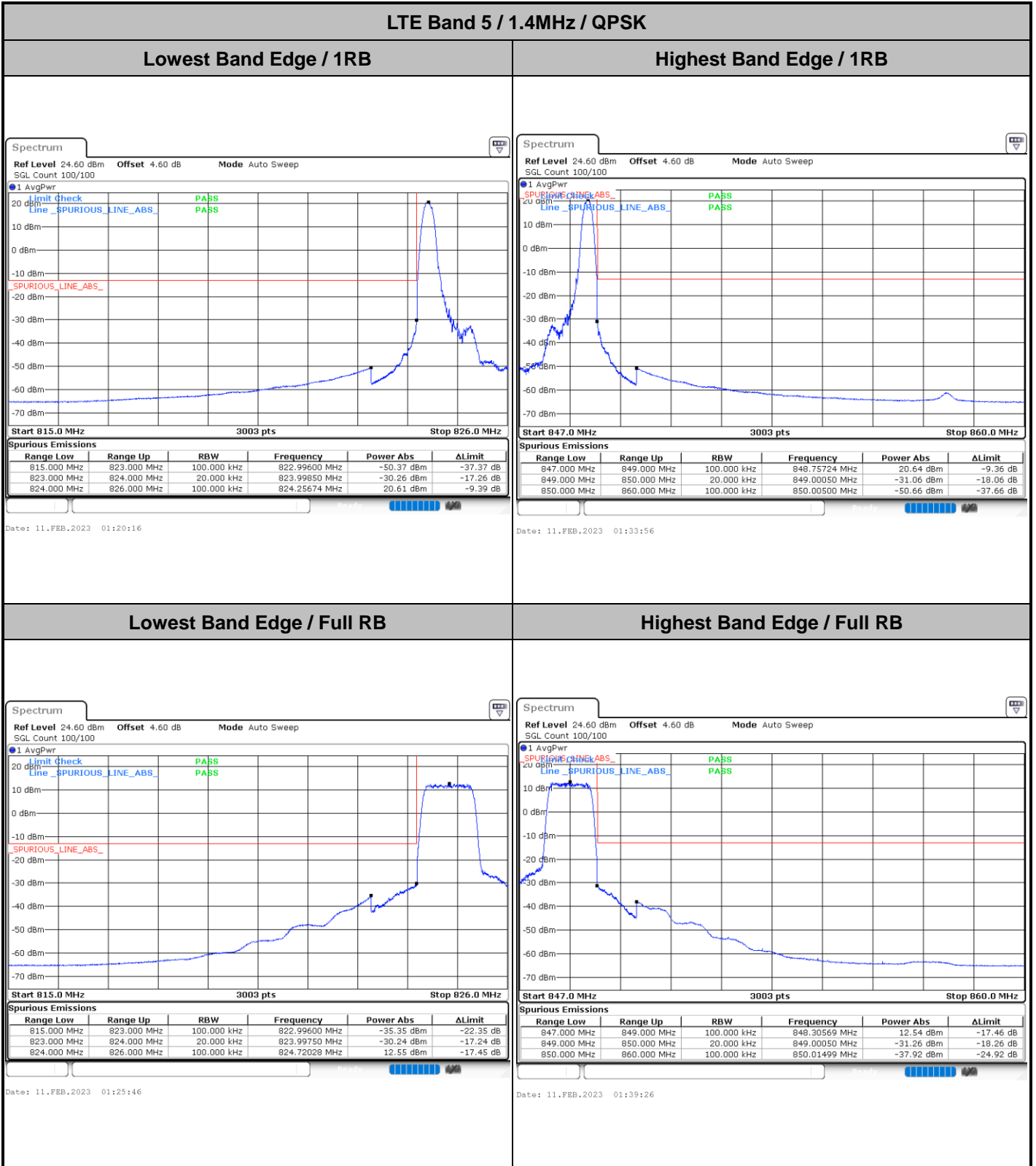
Middle Channel / 1.4MHz / 16QAM



Date: 11.FEB.2023 01:44:30



Conducted Band Edge





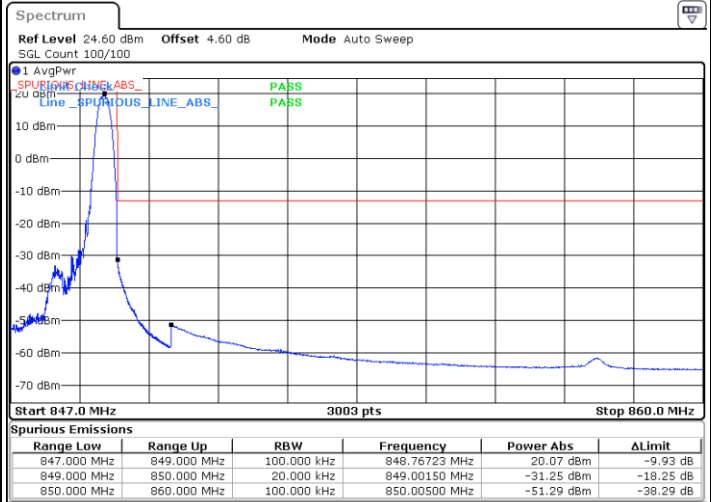
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



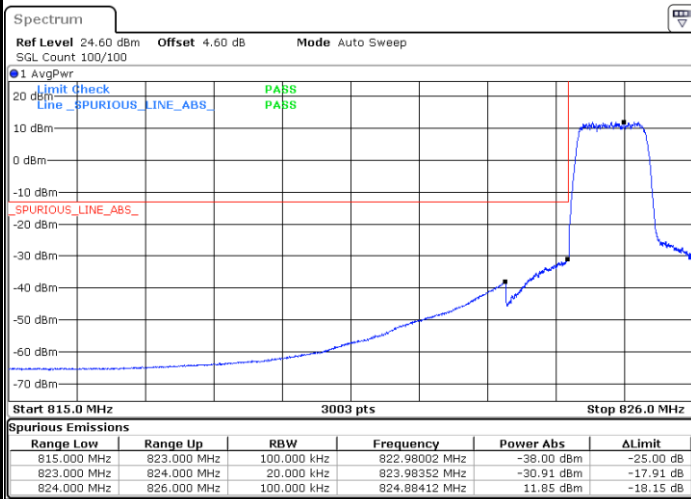
Date: 11.FEB.2023 01:22:06

Highest Band Edge / 1 RB



Date: 11.FEB.2023 01:35:46

Lowest Band Edge / Full RB



Date: 11.FEB.2023 01:27:36

Highest Band Edge / Full RB

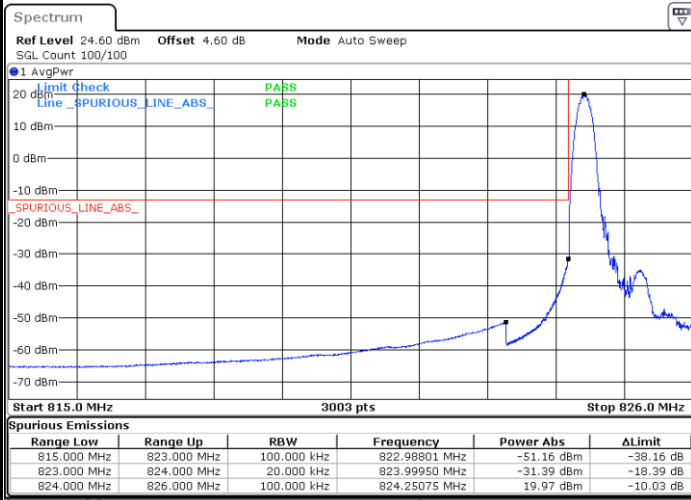


Date: 11.FEB.2023 01:41:16



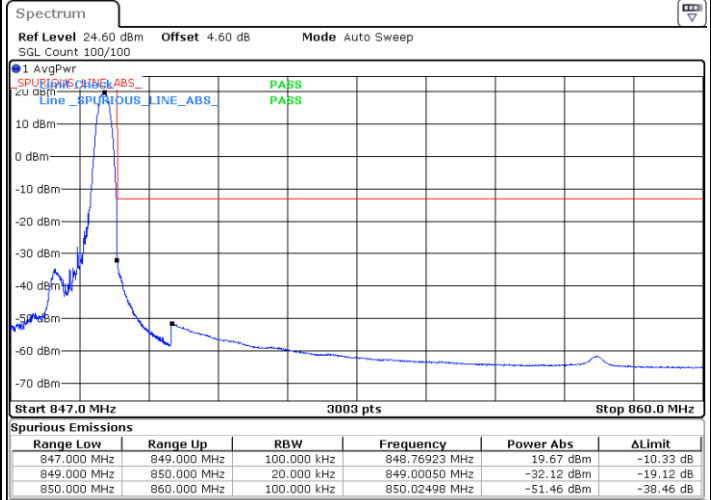
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



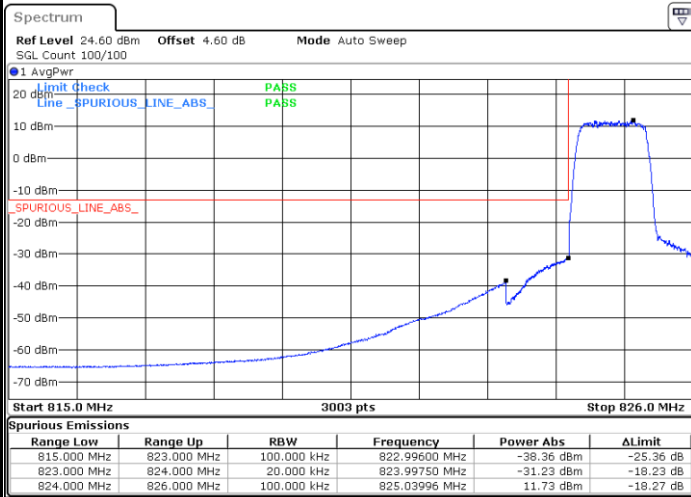
Date: 11.FEB.2023 01:23:56

Highest Band Edge / 1 RB



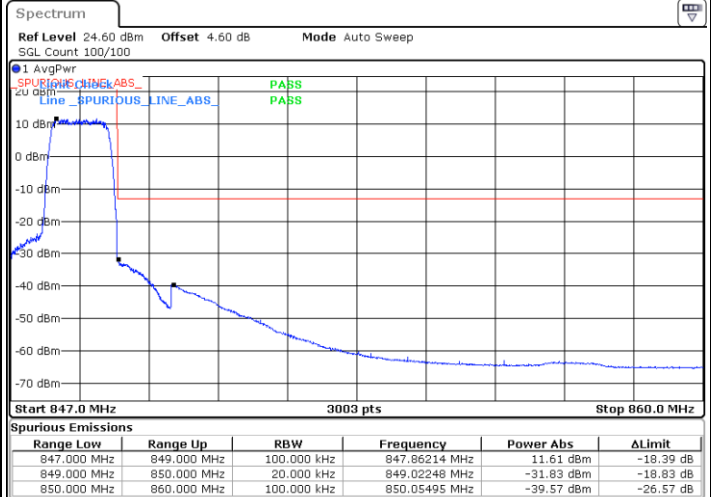
Date: 11.FEB.2023 01:37:36

Lowest Band Edge / Full RB



Date: 11.FEB.2023 01:29:26

Highest Band Edge / Full RB



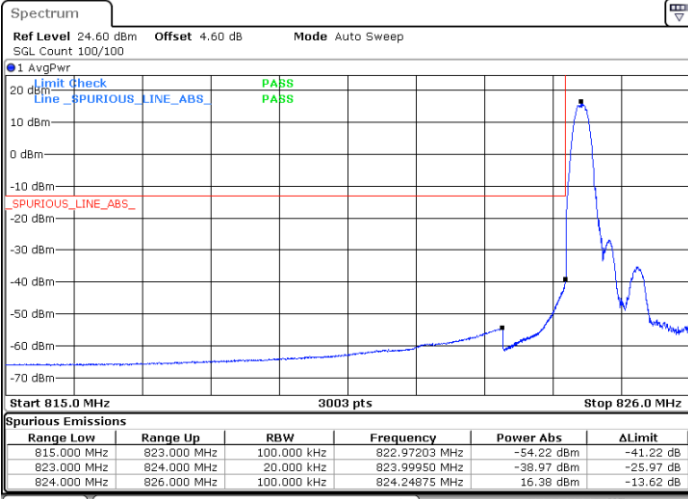
Date: 11.FEB.2023 01:43:06



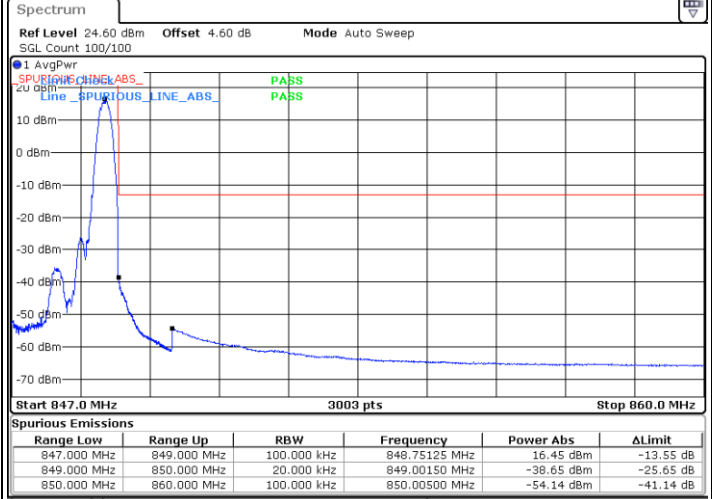
LTE Band 5 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



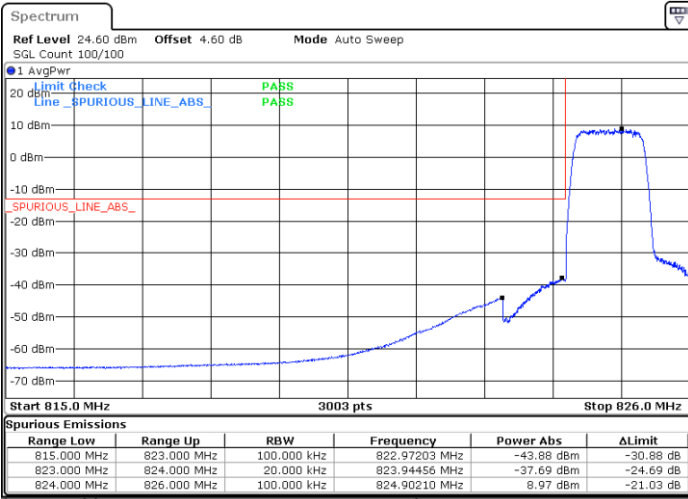
Date: 18.FEB.2023 02:13:13



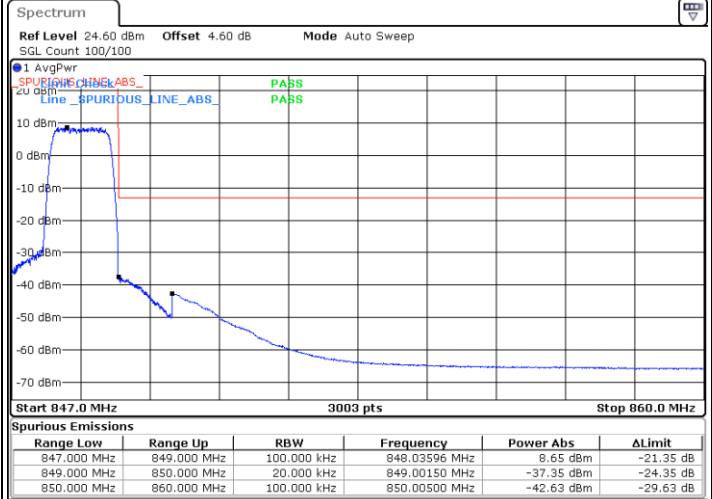
Date: 18.FEB.2023 02:15:06

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 18.FEB.2023 02:09:40

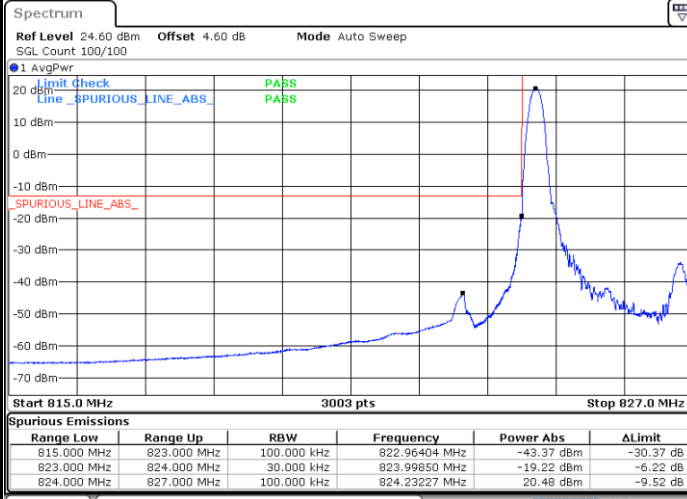


Date: 18.FEB.2023 02:16:59

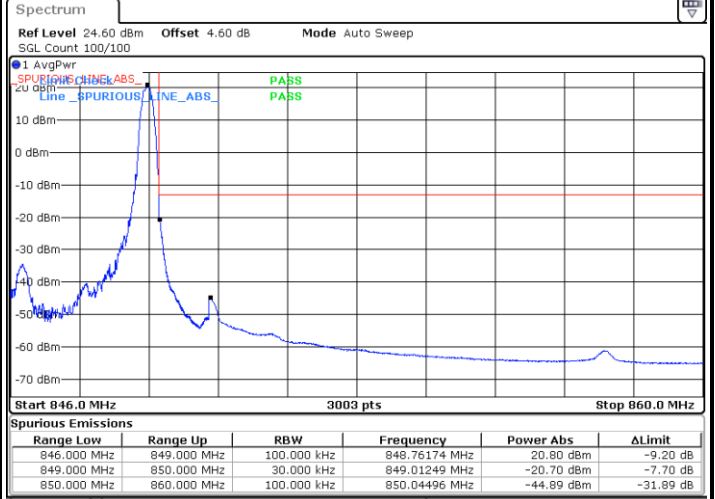


LTE Band 5 / 3MHz / QPSK

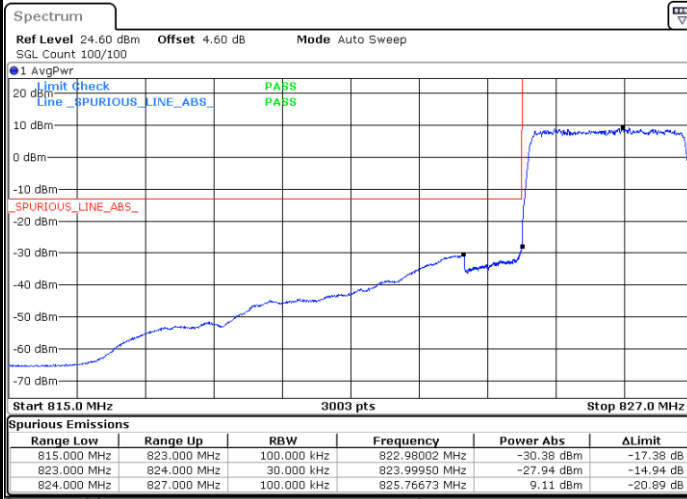
Lowest Band Edge / 1RB



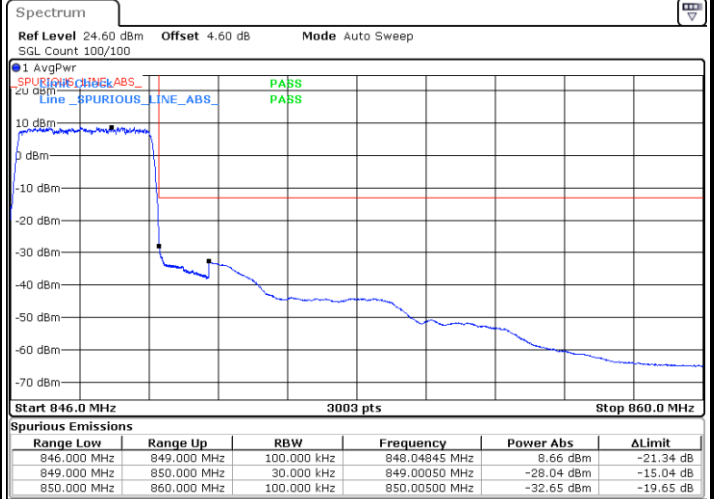
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



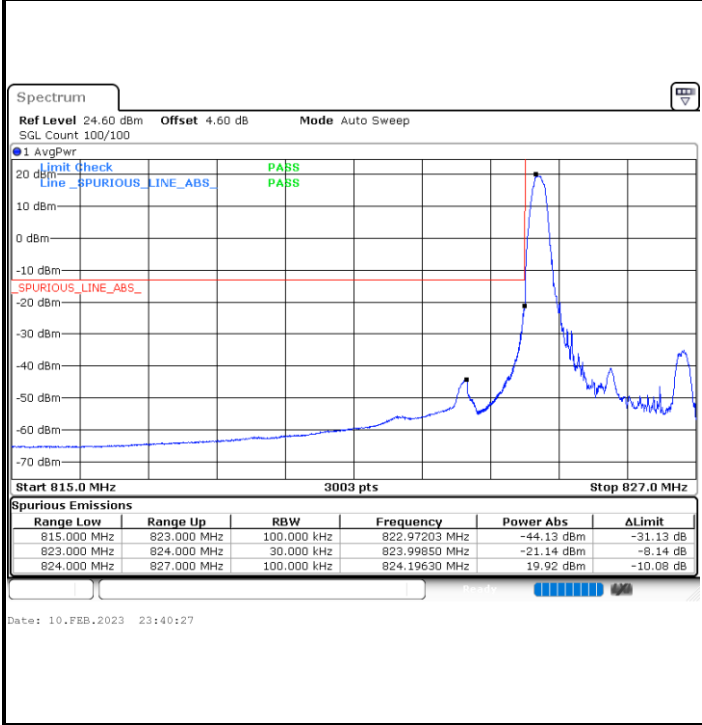
Highest Band Edge / Full RB



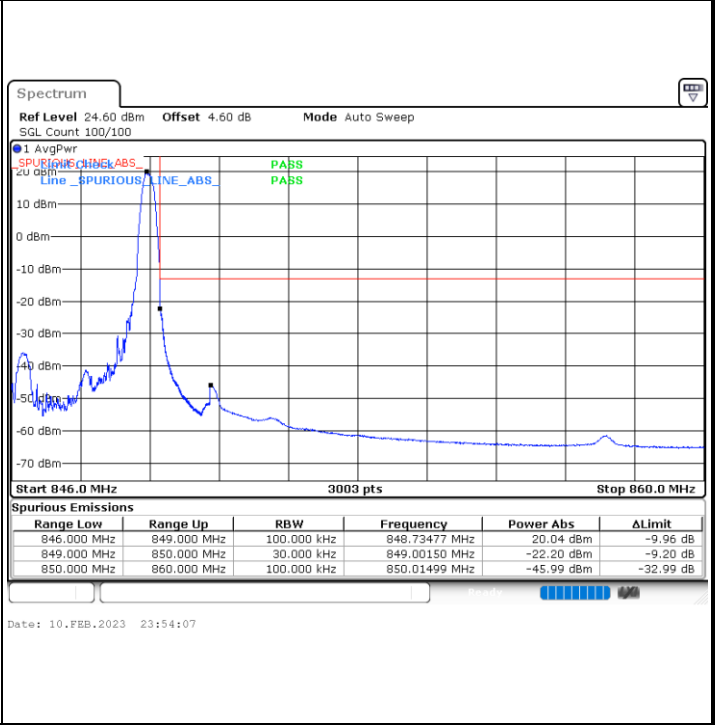


LTE Band 5 / 3MHz / 16QAM

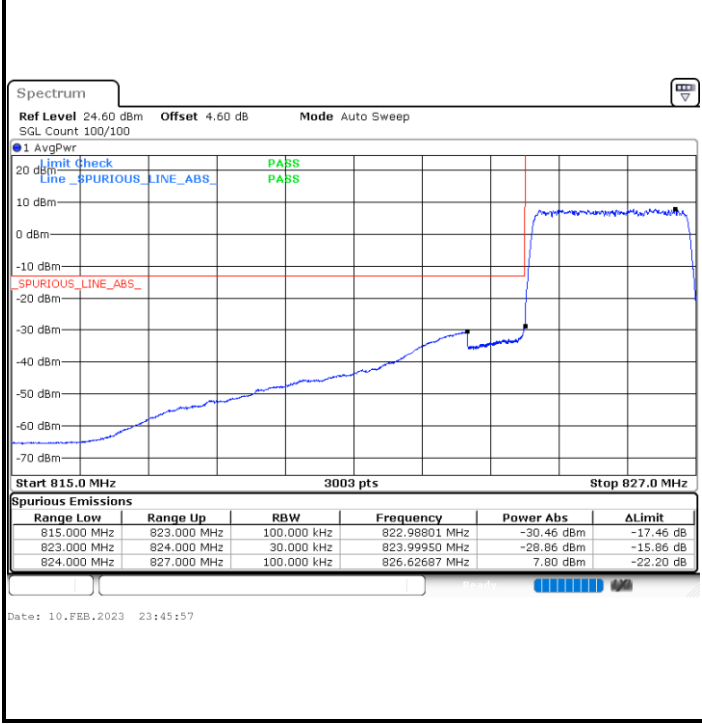
Lowest Band Edge / 1 RB



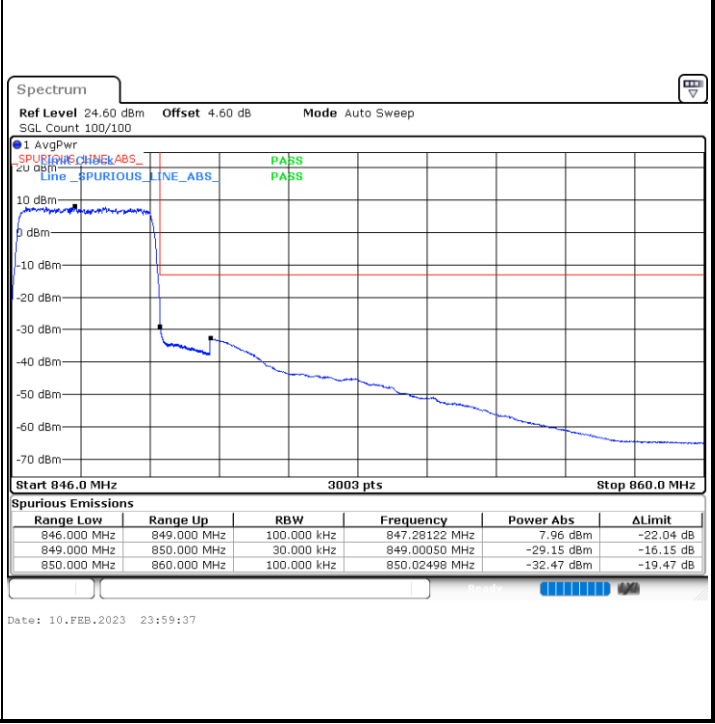
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



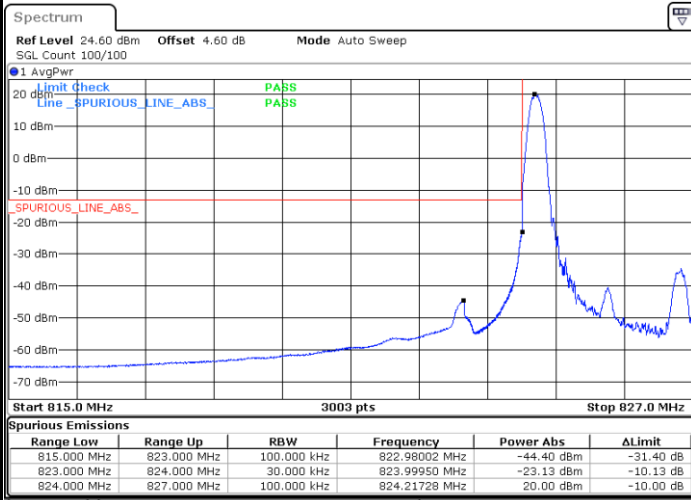
Highest Band Edge / Full RB





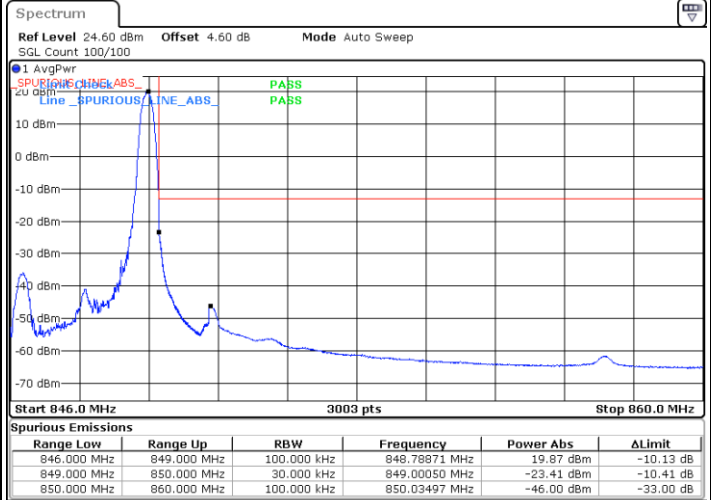
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



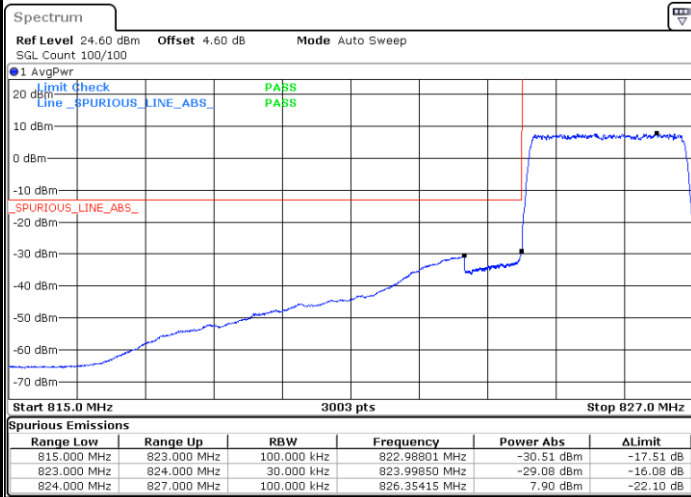
Date: 10.FEB.2023 23:42:17

Highest Band Edge / 1 RB



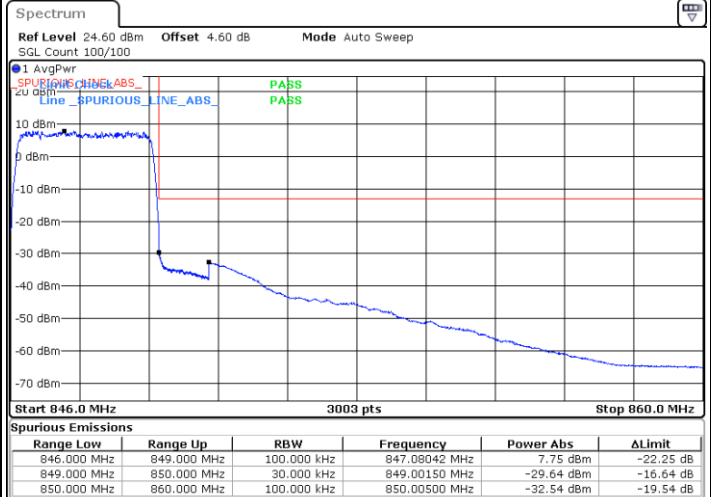
Date: 10.FEB.2023 23:55:57

Lowest Band Edge / Full RB



Date: 10.FEB.2023 23:47:47

Highest Band Edge / Full RB



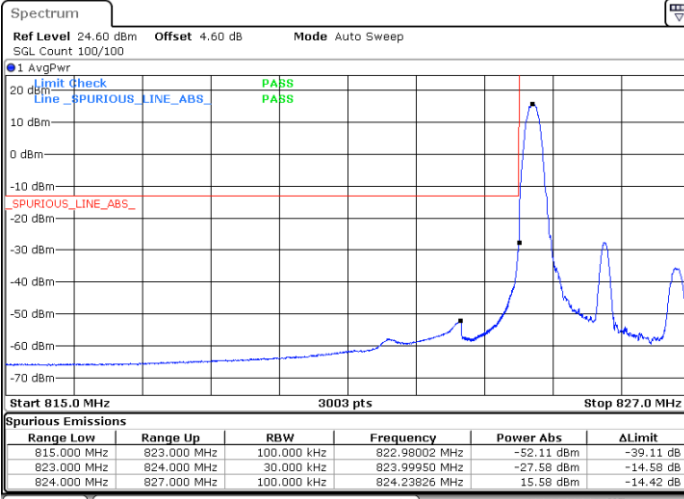
Date: 11.FEB.2023 00:01:27



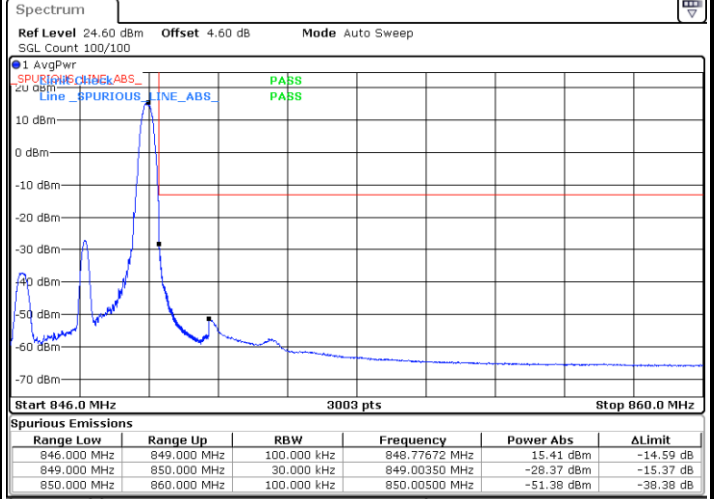
LTE Band 5 / 3MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



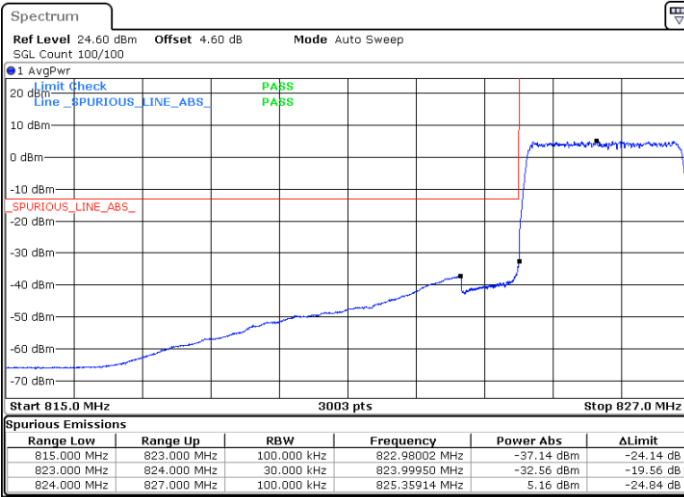
Date: 18.FEB.2023 02:22:26



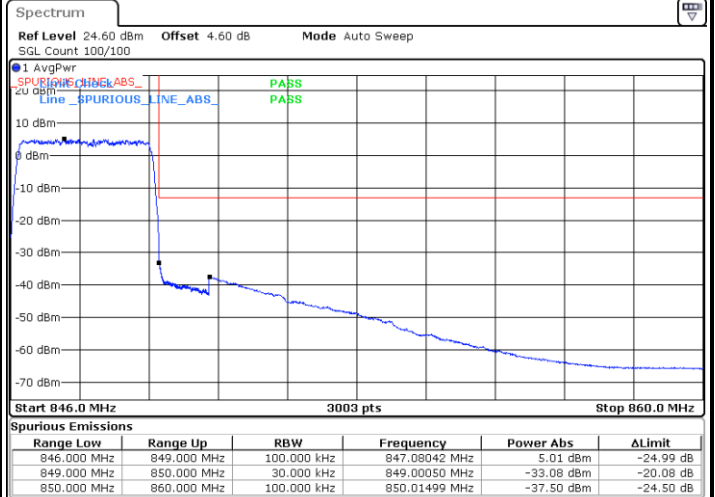
Date: 18.FEB.2023 02:24:19

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 18.FEB.2023 02:18:52



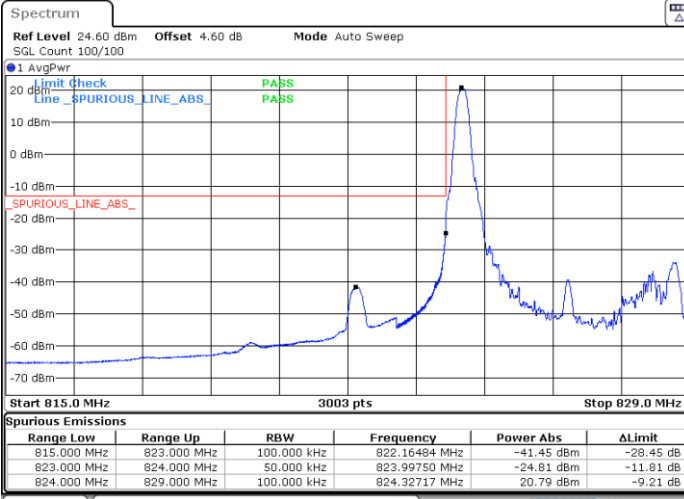
Date: 18.FEB.2023 02:26:12



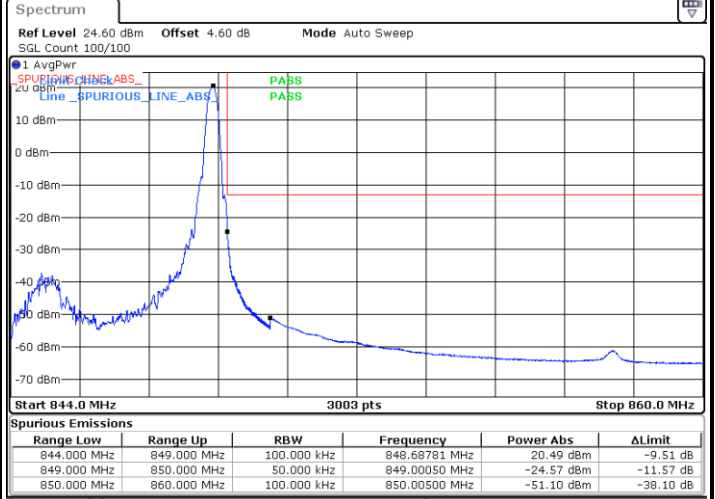
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



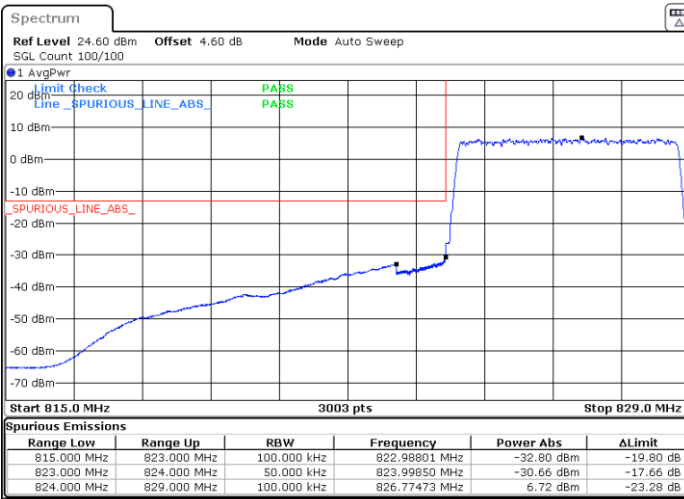
Date: 10.FEB.2023 22:12:46



Date: 10.FEB.2023 22:53:37

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.FEB.2023 22:28:52

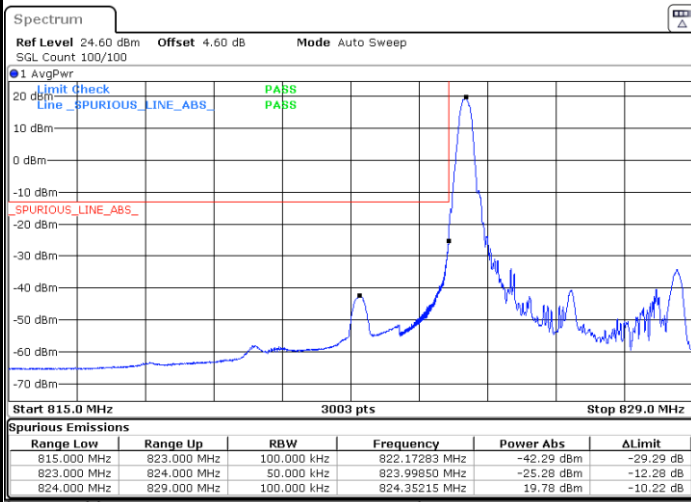


Date: 10.FEB.2023 22:59:07



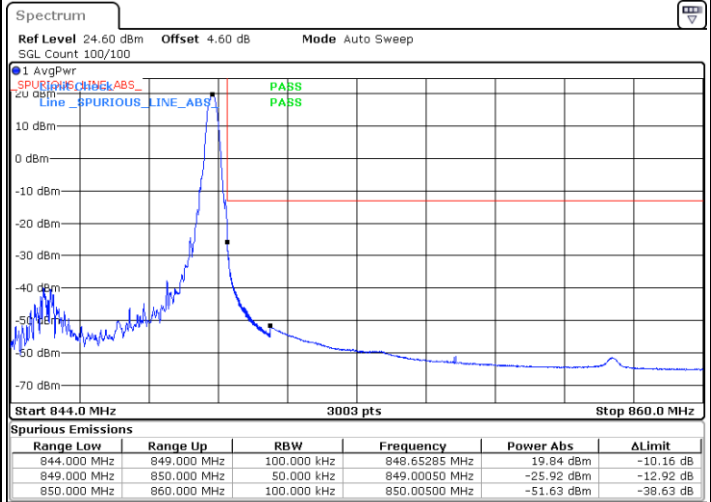
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



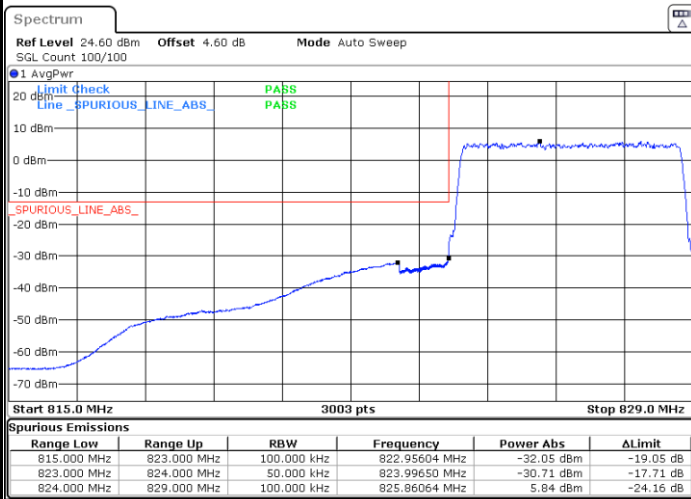
Date: 10.FEB.2023 22:14:36

Highest Band Edge / 1 RB



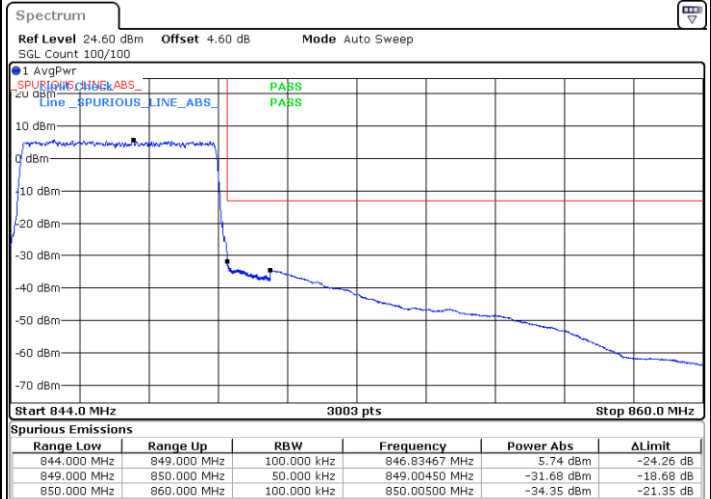
Date: 10.FEB.2023 22:55:27

Lowest Band Edge / Full RB



Date: 10.FEB.2023 22:30:43

Highest Band Edge / Full RB

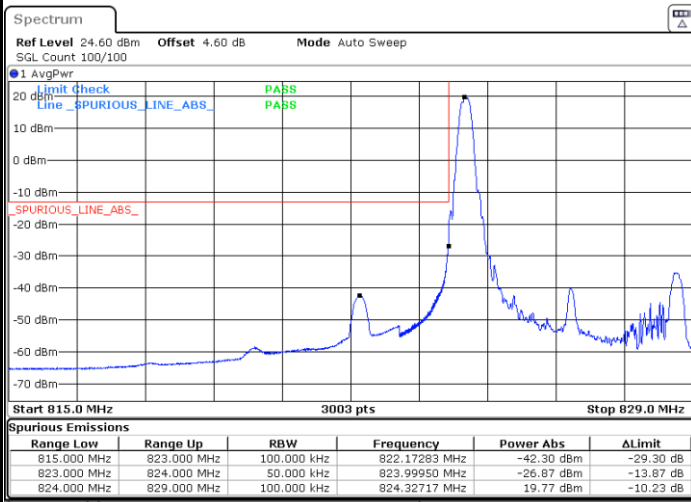


Date: 10.FEB.2023 23:00:56



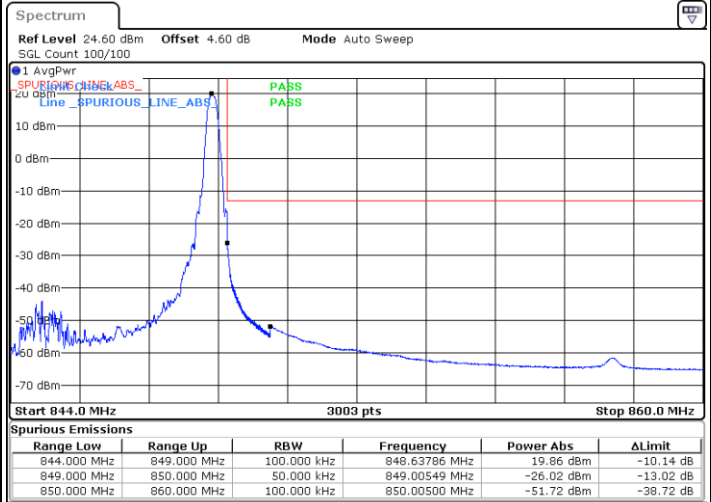
LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



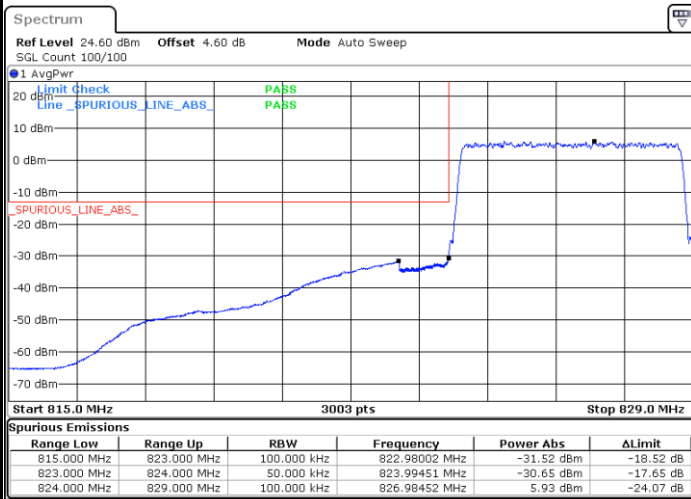
Date: 10.FEB.2023 22:16:26

Highest Band Edge / 1 RB



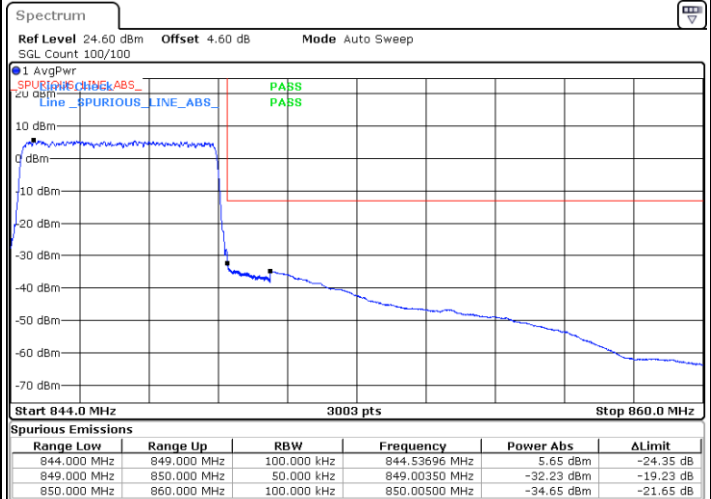
Date: 10.FEB.2023 22:57:17

Lowest Band Edge / Full RB



Date: 10.FEB.2023 22:49:02

Highest Band Edge / Full RB

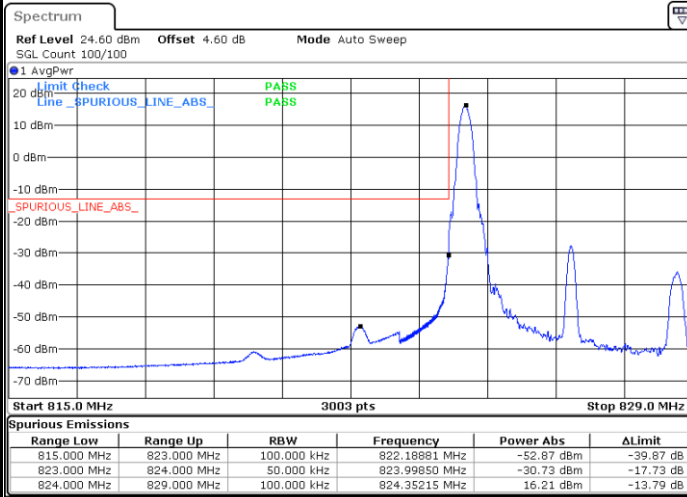


Date: 10.FEB.2023 23:02:46



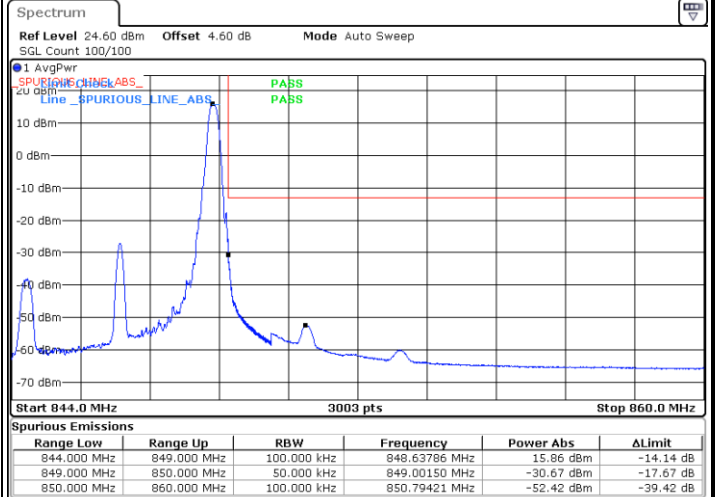
LTE Band 5 / 5MHz / 256QAM

Lowest Band Edge / 1RB



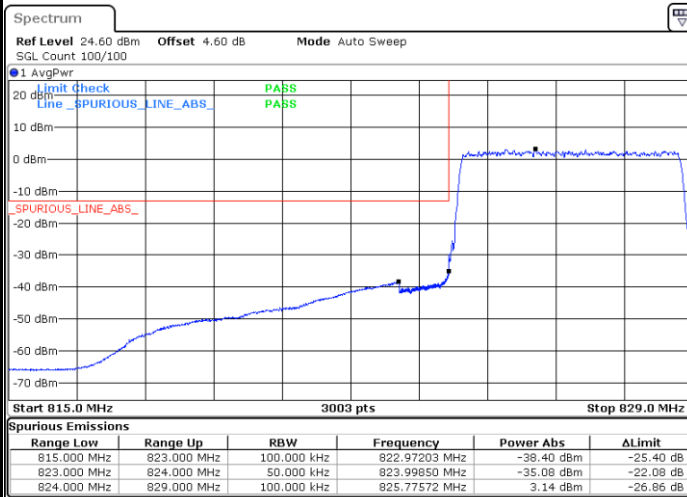
Date: 18.FEB.2023 02:40:35

Highest Band Edge / 1 RB



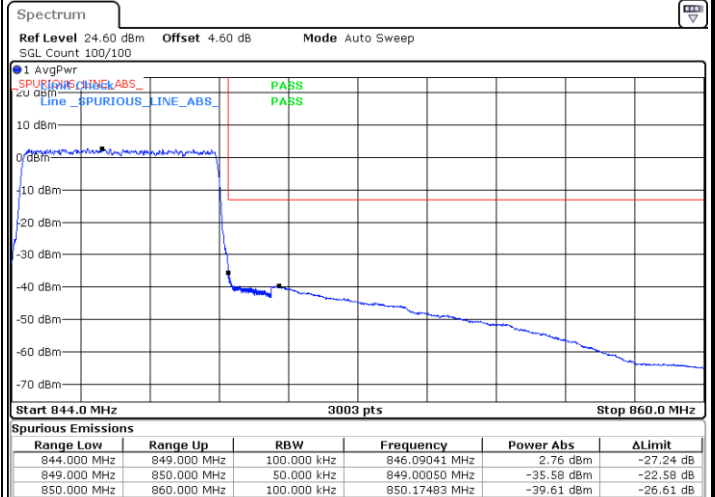
Date: 18.FEB.2023 02:42:27

Lowest Band Edge / Full RB



Date: 18.FEB.2023 02:37:01

Highest Band Edge / Full RB



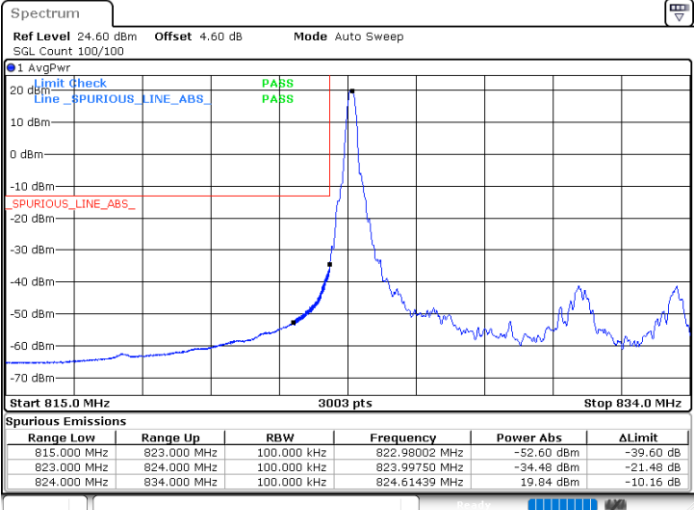
Date: 18.FEB.2023 02:44:20



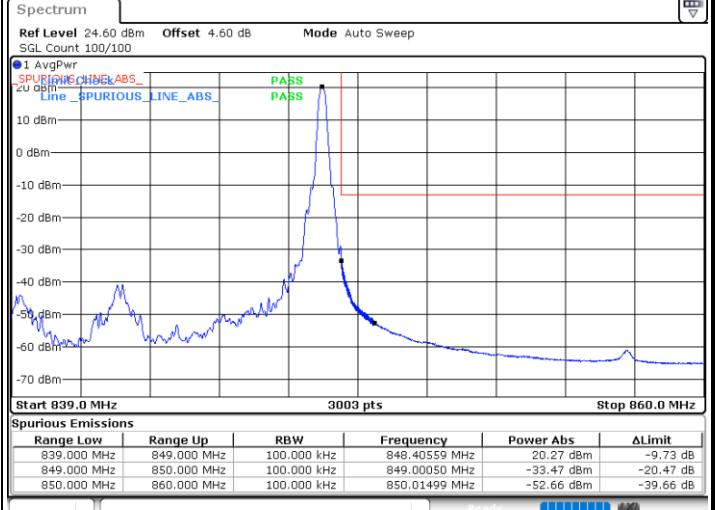
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



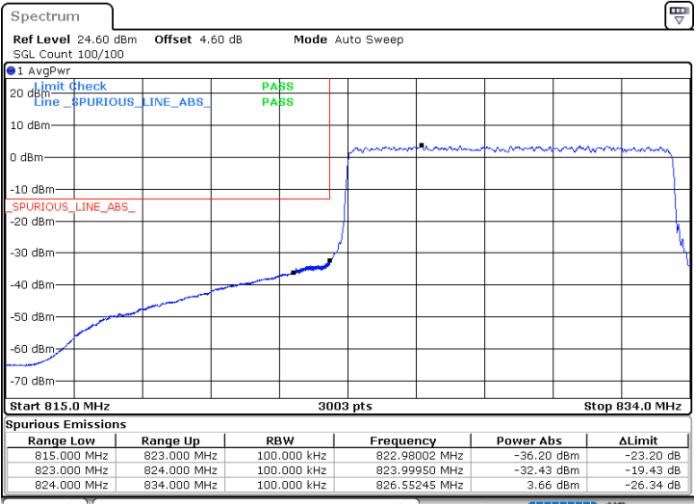
Date: 10.FEB.2023 23:05:58



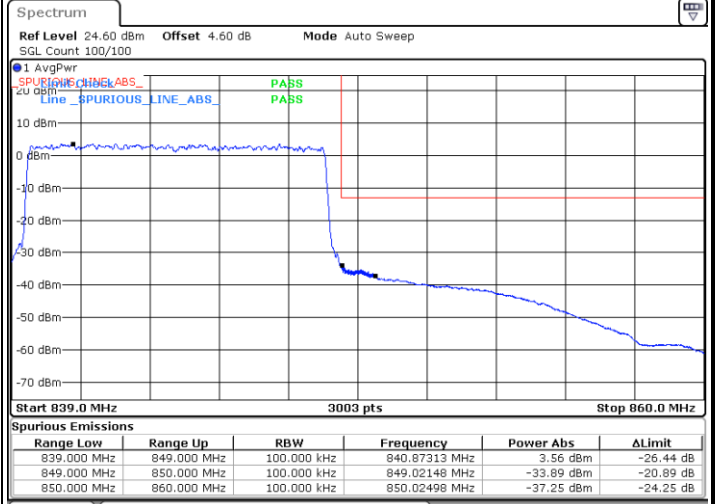
Date: 10.FEB.2023 23:19:37

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.FEB.2023 23:11:27

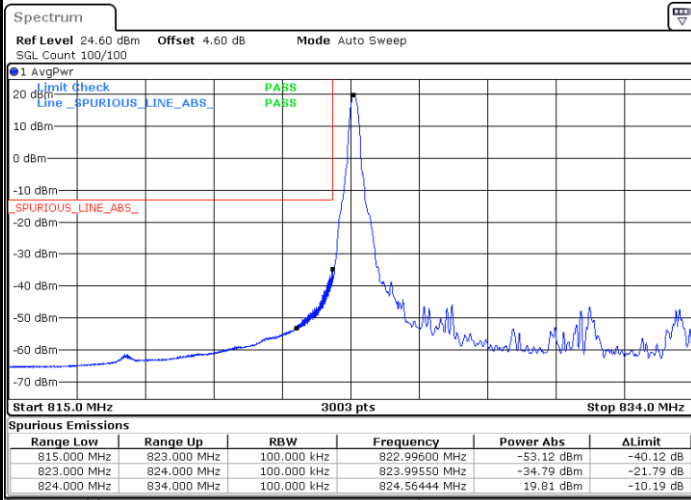


Date: 10.FEB.2023 23:25:07



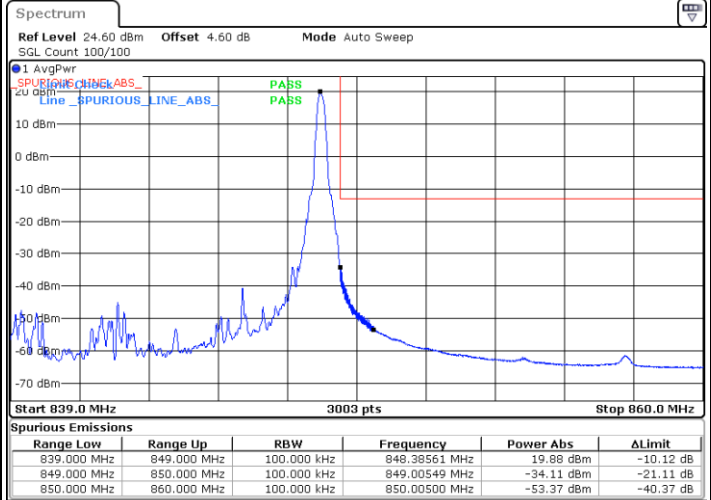
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



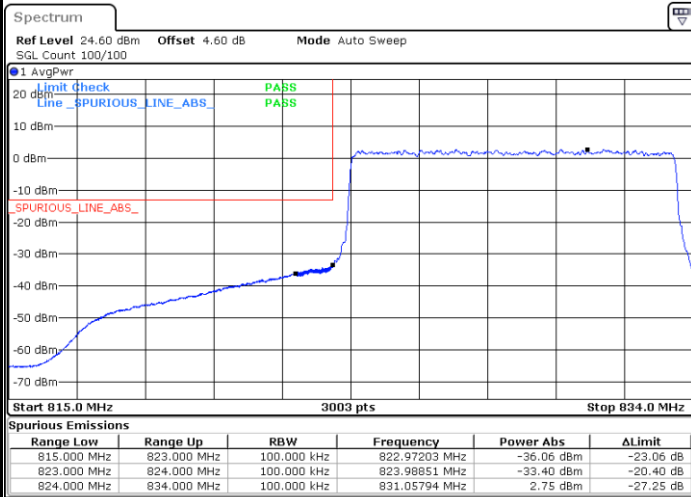
Date: 10.FEB.2023 23:07:48

Highest Band Edge / 1 RB



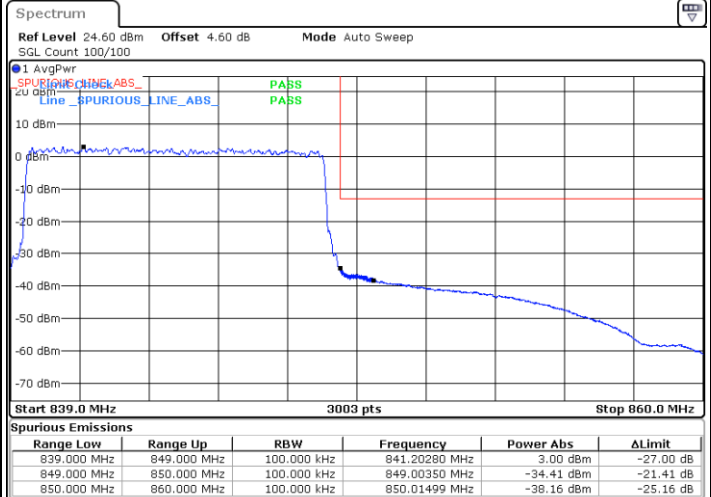
Date: 10.FEB.2023 23:21:27

Lowest Band Edge / Full RB



Date: 10.FEB.2023 23:13:17

Highest Band Edge / Full RB

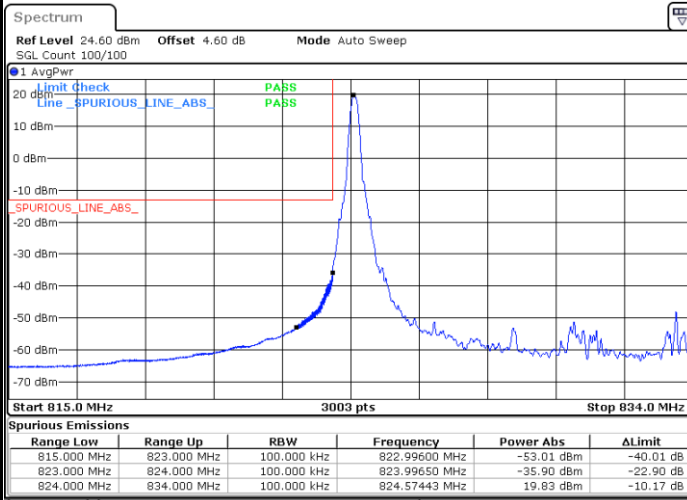


Date: 10.FEB.2023 23:26:57



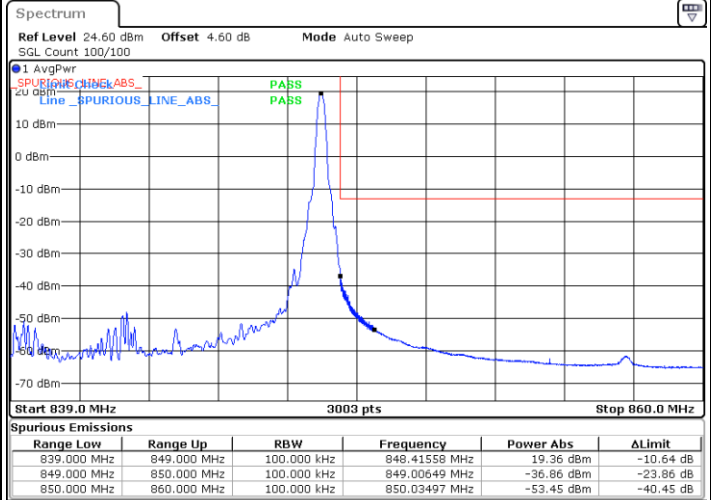
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



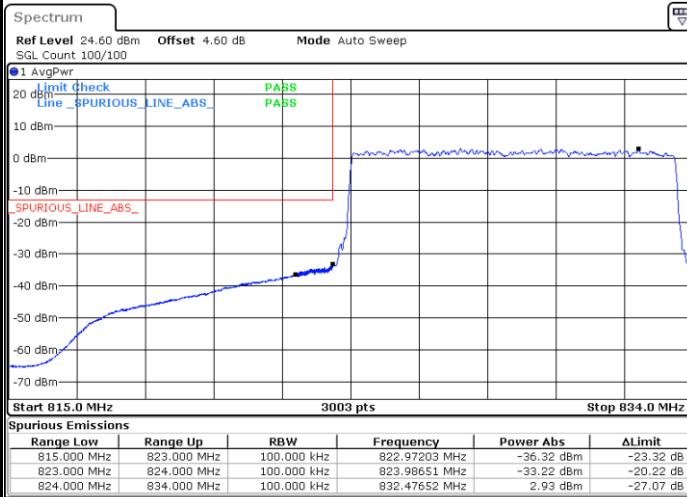
Date: 10.FEB.2023 23:09:37

Highest Band Edge / 1 RB



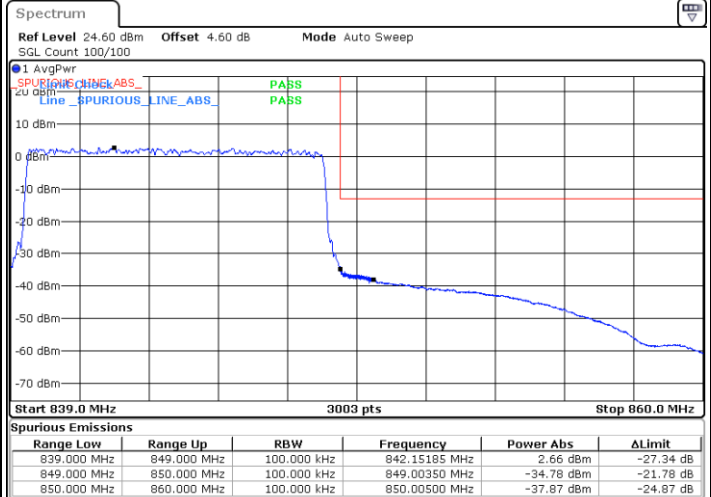
Date: 10.FEB.2023 23:23:17

Lowest Band Edge / Full RB



Date: 10.FEB.2023 23:15:07

Highest Band Edge / Full RB



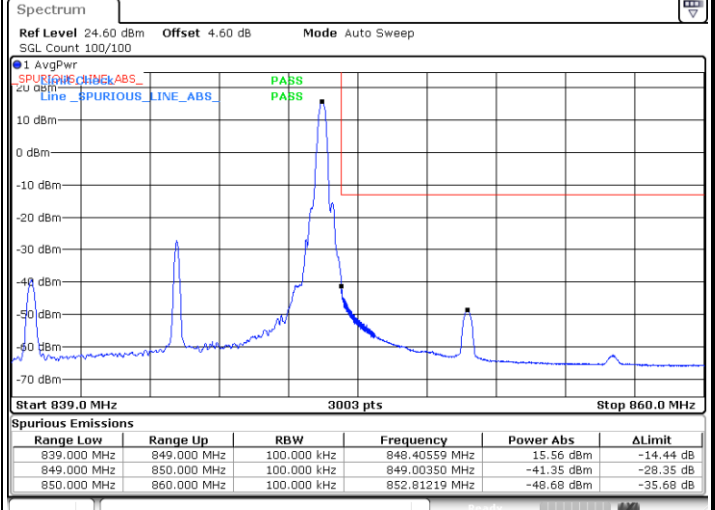
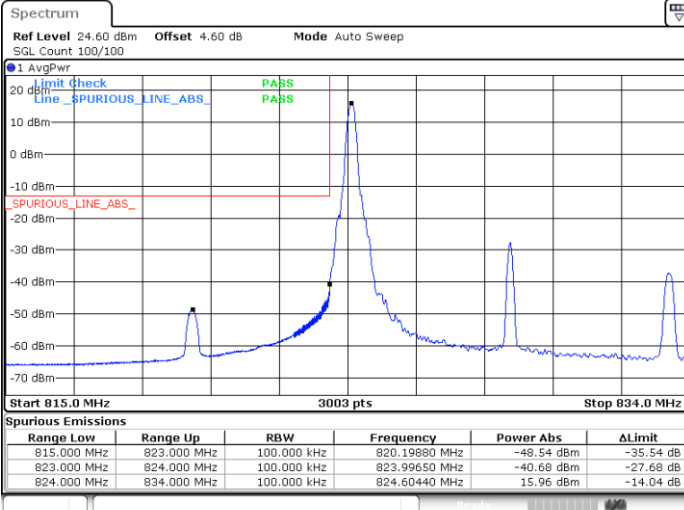
Date: 10.FEB.2023 23:28:47



LTE Band 5 / 10MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

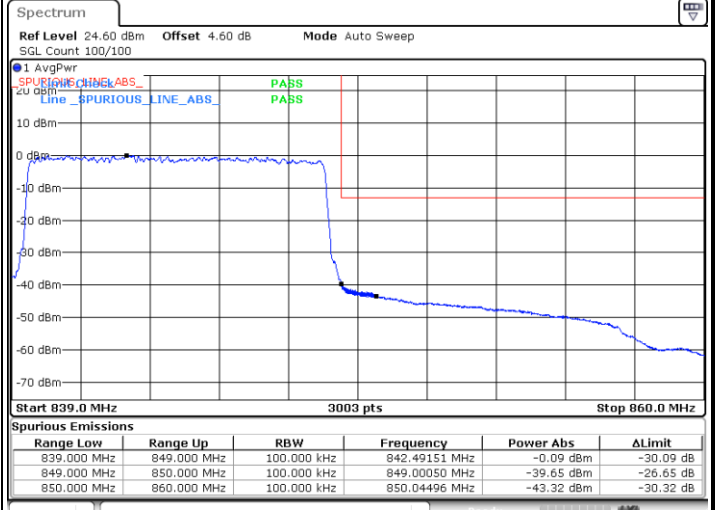
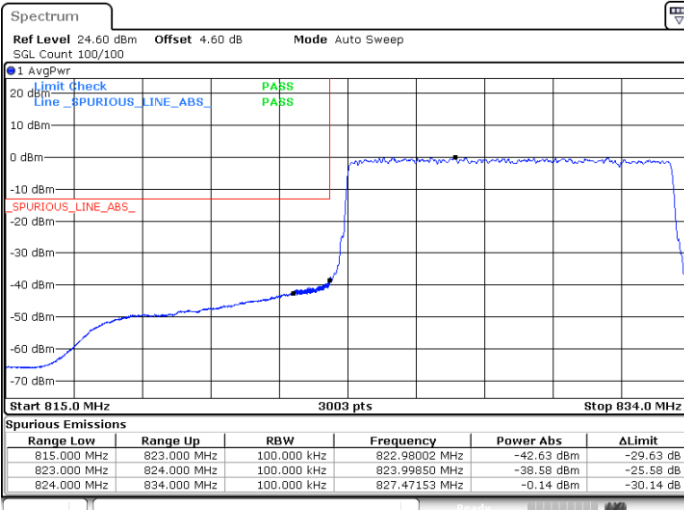


Date: 18.FEB.2023 02:48:06

Date: 18.FEB.2023 02:51:39

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

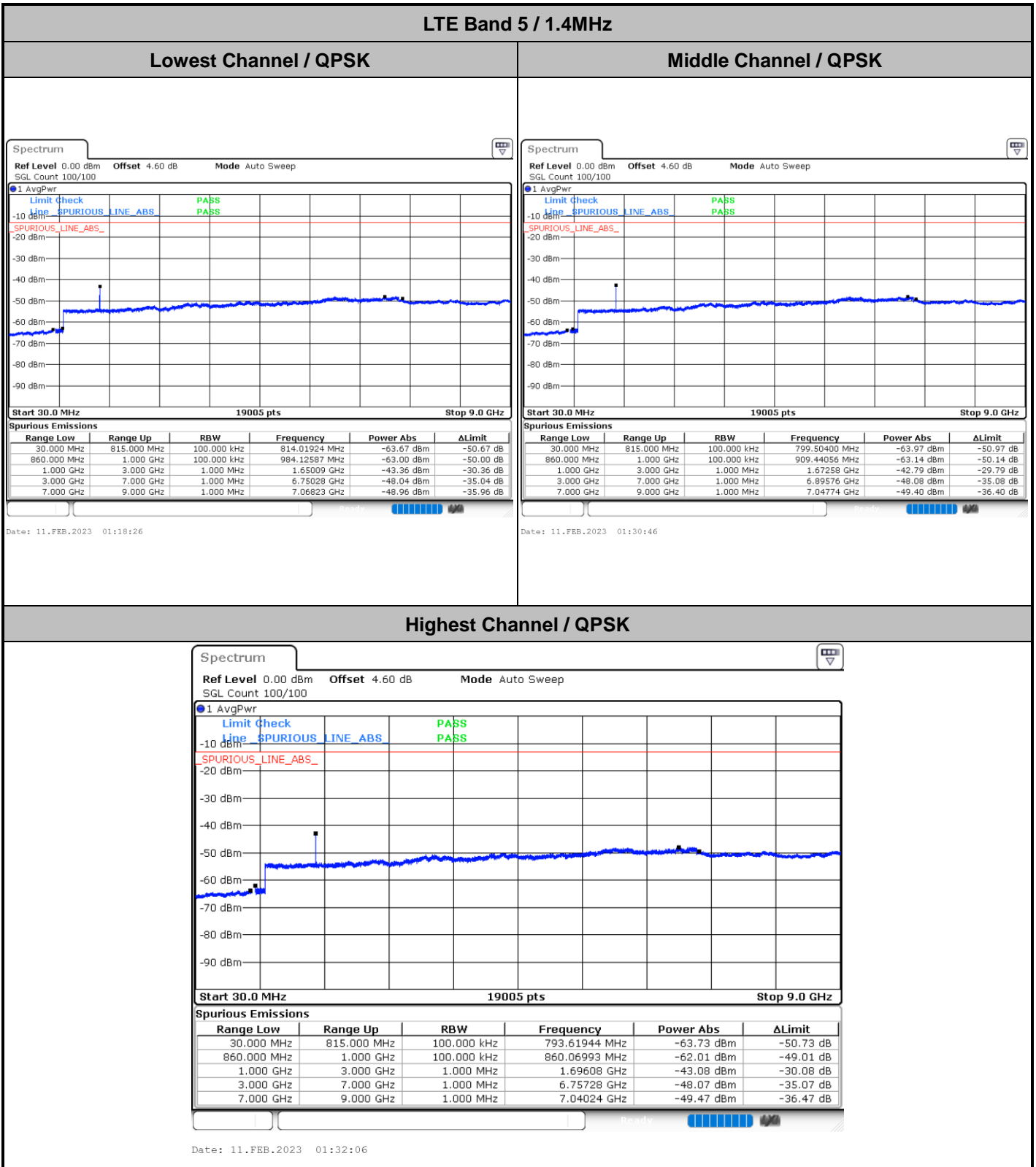


Date: 18.FEB.2023 02:46:13

Date: 18.FEB.2023 02:53:32



Conducted Spurious Emission

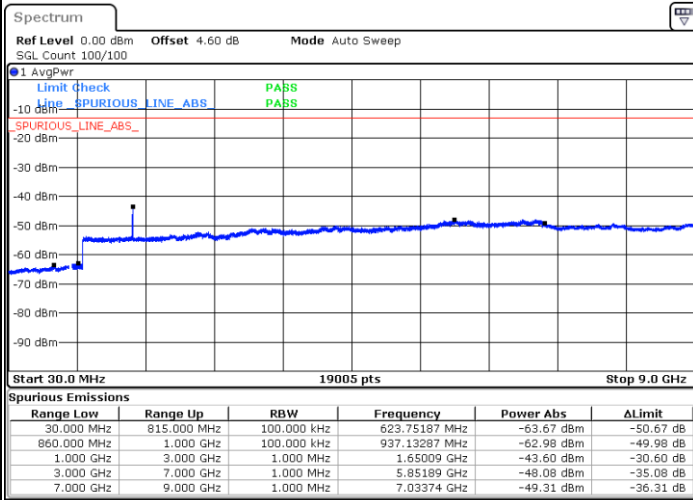




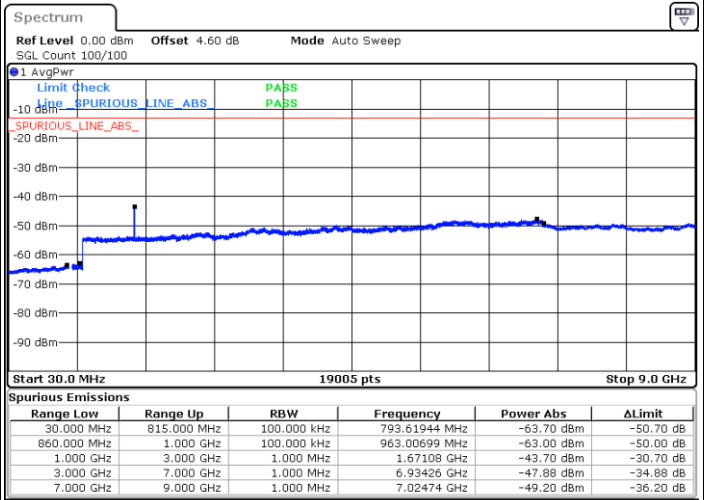
LTE Band 5 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

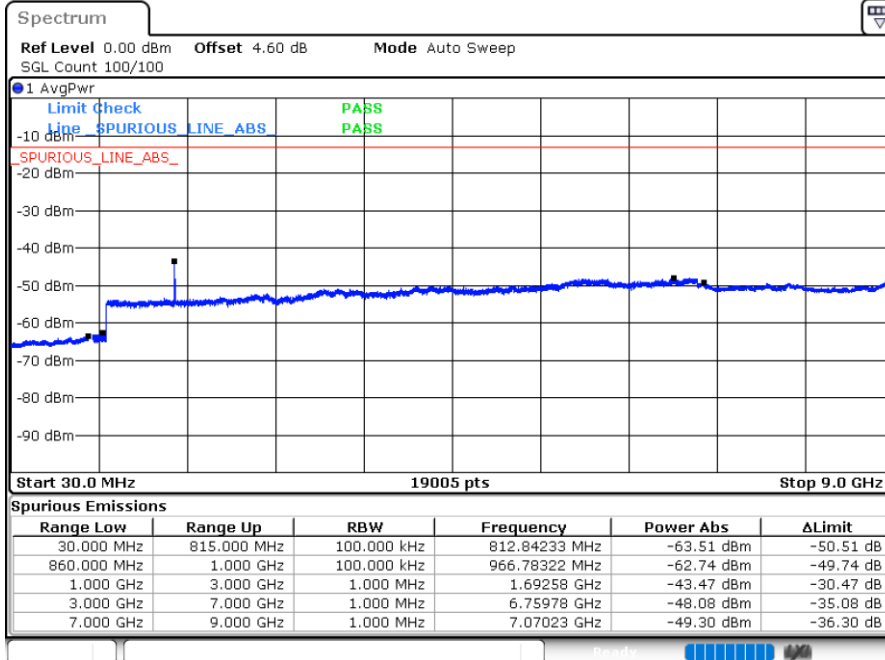


Date: 10.FEB.2023 23:36:47



Date: 10.FEB.2023 23:49:07

Highest Channel / QPSK



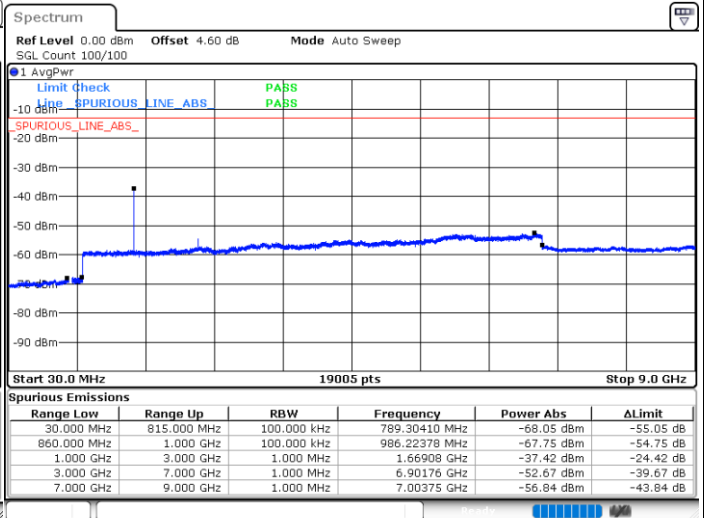
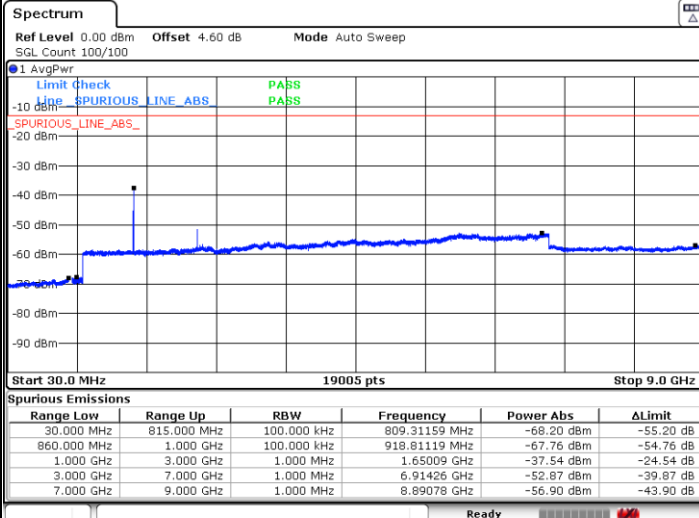
Date: 10.FEB.2023 23:50:27



LTE Band 5 / 5MHz

Lowest Channel / QPSK

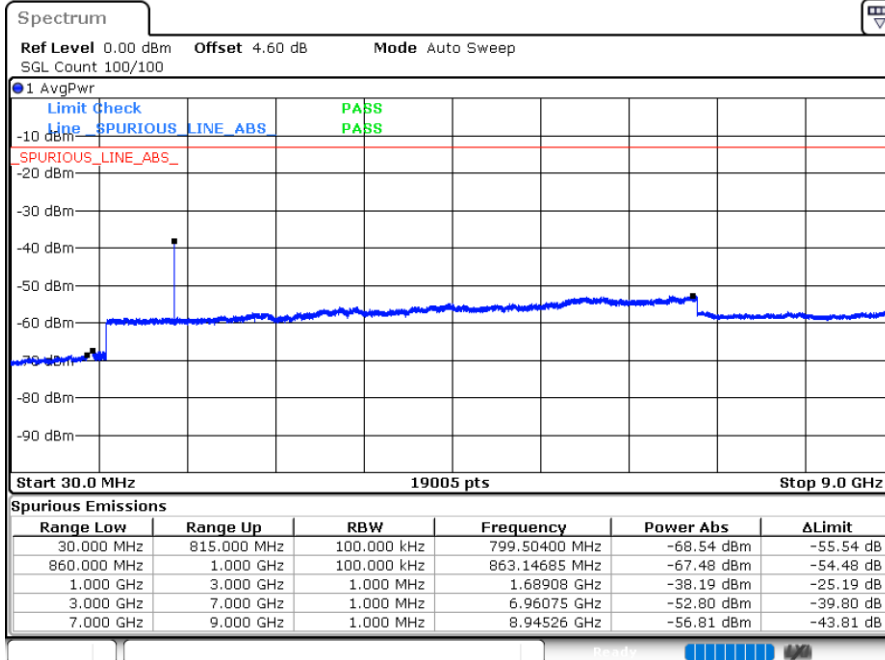
Middle Channel / QPSK



Date: 10.FEB.2023 22:10:56

Date: 10.FEB.2023 22:50:22

Highest Channel / QPSK



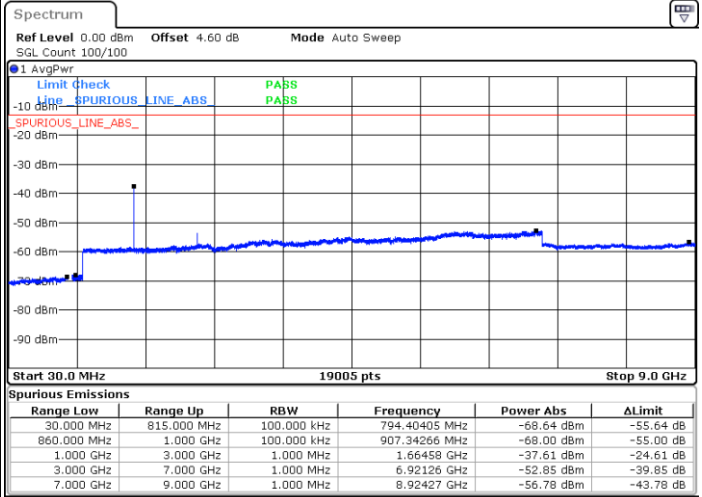
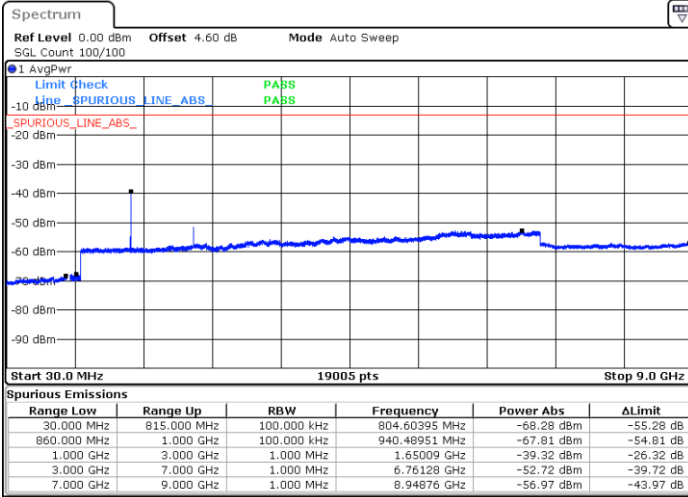
Date: 10.FEB.2023 22:51:47



LTE Band 5 / 10MHz

Lowest Channel / QPSK

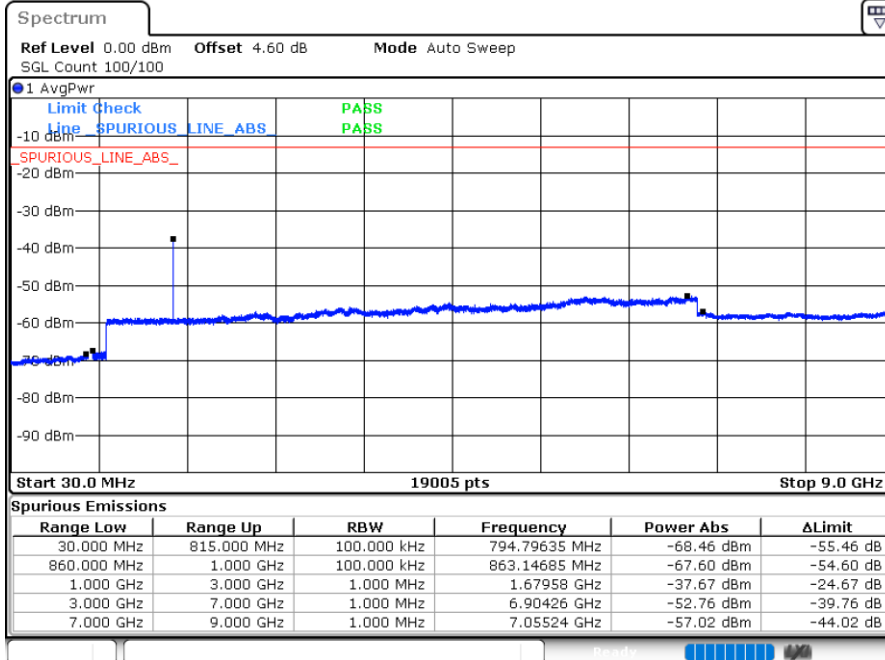
Middle Channel / QPSK



Date: 10.FEB.2023 23:04:08

Date: 10.FEB.2023 23:16:27

Highest Channel / QPSK



Date: 10.FEB.2023 23:17:47



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	0.0025	PASS
40	Normal Voltage	0.0028	
30	Normal Voltage	0.0037	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0042	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0009	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0017	
20	Battery End Point	0.0026	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.45 V. ; Maximum Voltage =4.41 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 5B

26dB Bandwidth

Mode	LTE Band 5B : 26dB BW(MHz)	
Mod.	QPSK	16QAM
BW	10MHz+10MHz	
Middle CH	19.70	19.74
Mod.	QPSK	16QAM
BW	10MHz+5MHz	
Middle CH	14.69	14.66
Mod.	QPSK	16QAM
BW	5MHz+10MHz	
Middle CH	14.66	14.60
Mod.	QPSK	16QAM
BW	5MHz+3MHz	
Middle CH	8.15	8.15
Mod.	QPSK	16QAM
BW	3MHz+5MHz	
Middle CH	8.20	8.17



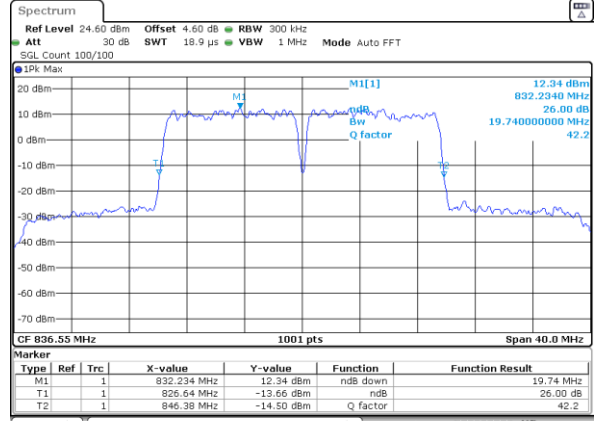
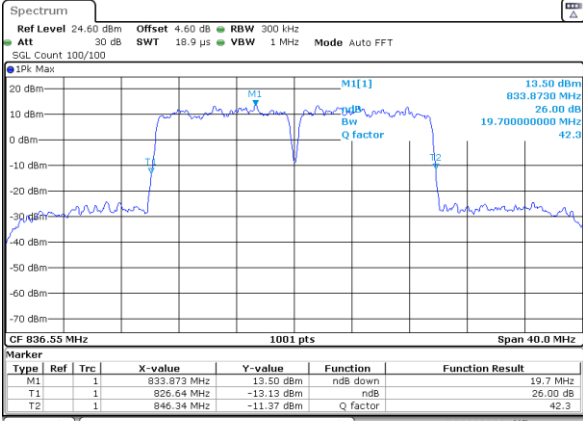
LTE Band 5B

QPSK

16QAM

Middle Channel / 10MHz+10MHz / QPSK

Middle Channel / 10MHz+10MHz /16QAM

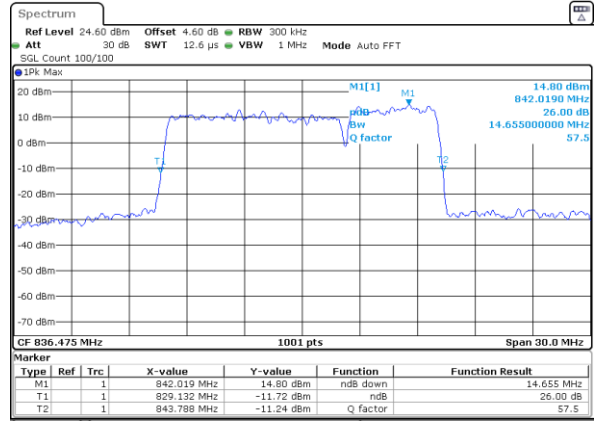
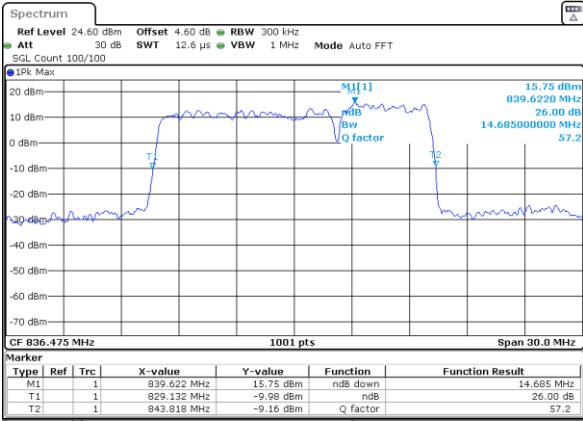


Date: 22.FEB.2023 01:57:30

Date: 22.FEB.2023 01:57:01

Middle Channel / 10MHz+5MHz / QPSK

Middle Channel / 10MHz+5MHz /16QAM

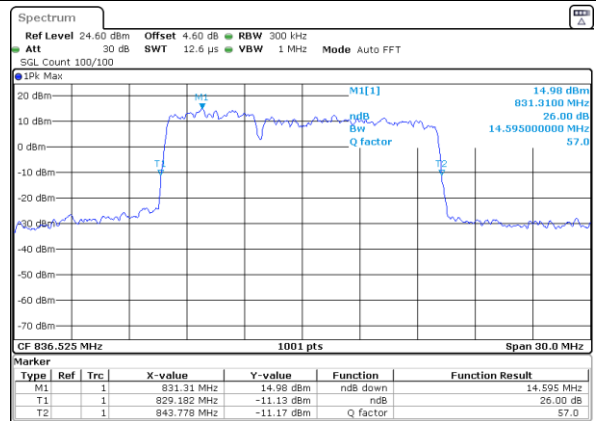
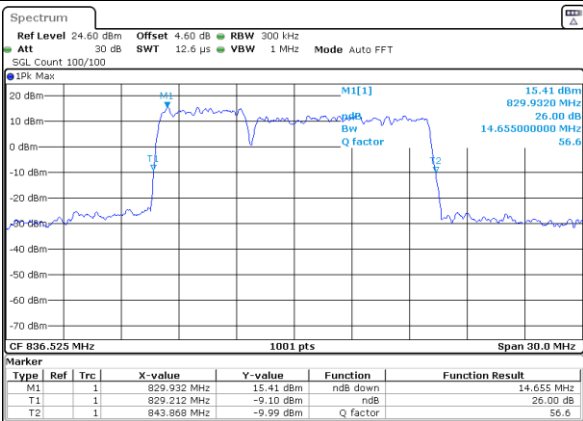


Date: 22.FEB.2023 01:49:46

Date: 22.FEB.2023 01:50:15

Middle Channel / 5MHz+10MHz / QPSK

Middle Channel / 5MHz+10MHz /16QAM

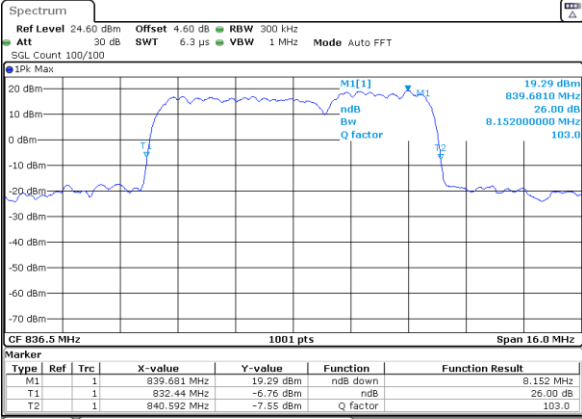


Date: 22.FEB.2023 01:59:17

Date: 22.FEB.2023 01:59:47

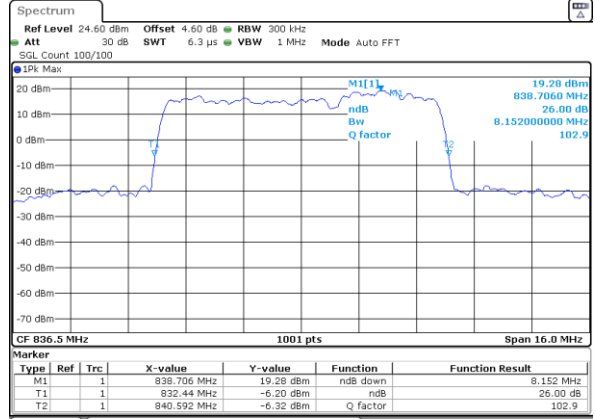


Middle Channel / 5MHz+3MHz / QPSK



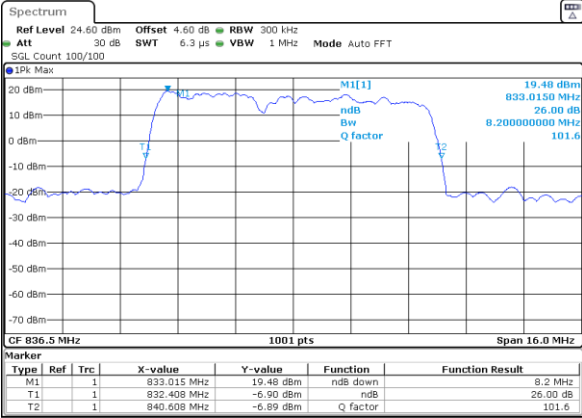
Date: 22.FEB.2023 01:32:53

Middle Channel / 5MHz+3MHz / 16QAM



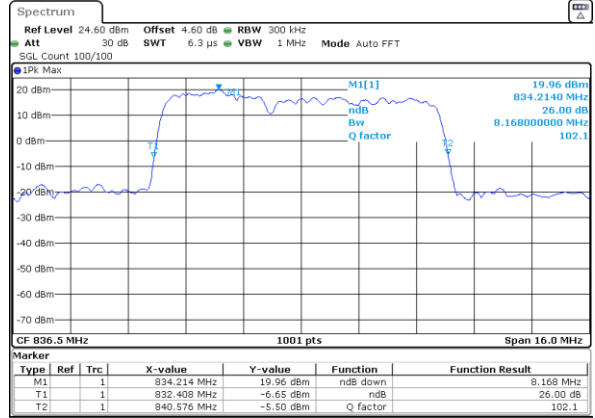
Date: 22.FEB.2023 01:33:03

Middle Channel / 3MHz+5MHz / QPSK



Date: 22.FEB.2023 01:21:52

Middle Channel / 3MHz+5MHz / 16QAM



Date: 22.FEB.2023 01:21:23



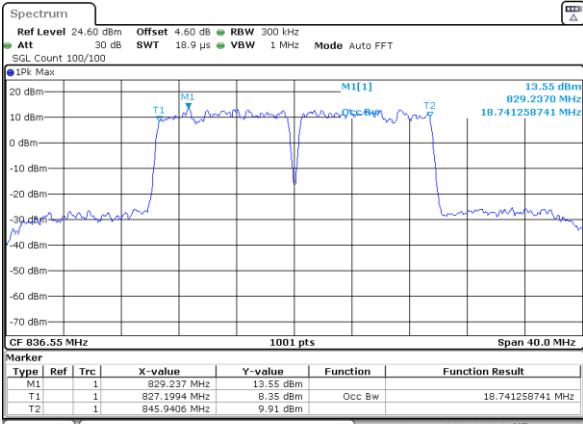
Occupied Bandwidth

Mode	LTE Band 5B : 99%OBW(MHz)	
Mod.	QPSK	16QAM
BW	10MHz+10MHz	
Middle CH	18.74	18.74
Mod.	QPSK	16QAM
BW	10MHz+5MHz	
Middle CH	13.94	13.91
Mod.	QPSK	16QAM
BW	5MHz+10MHz	
Middle CH	13.85	13.88
Mod.	QPSK	16QAM
BW	5MHz+3MHz	
Middle CH	7.51	7.59
Mod.	QPSK	16QAM
BW	3MHz+5MHz	
Middle CH	7.58	7.59



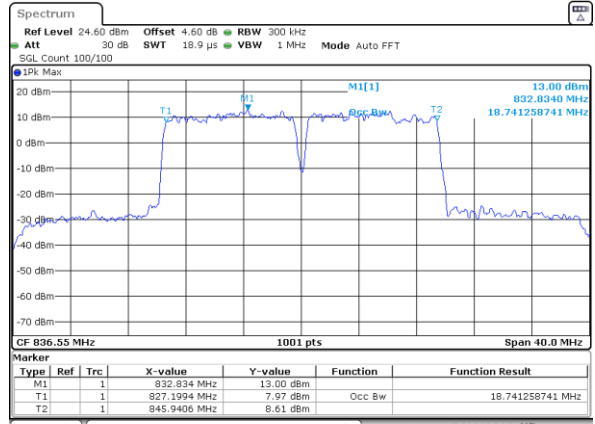
LTE Band 5B

Middle Channel / 10MHz+10MHz / QPSK



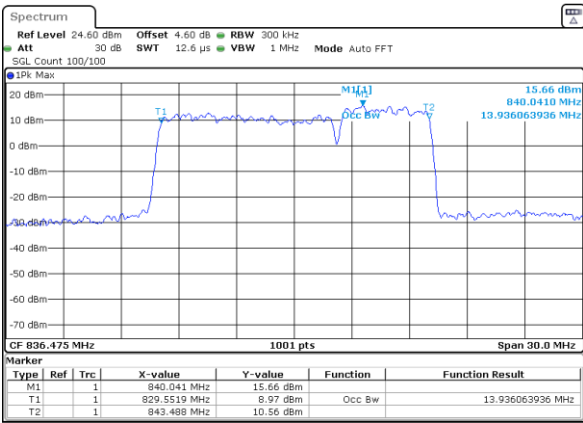
Date: 22.FEB.2023 01:56:02

Middle Channel / 10MHz+10MHz / 16QAM



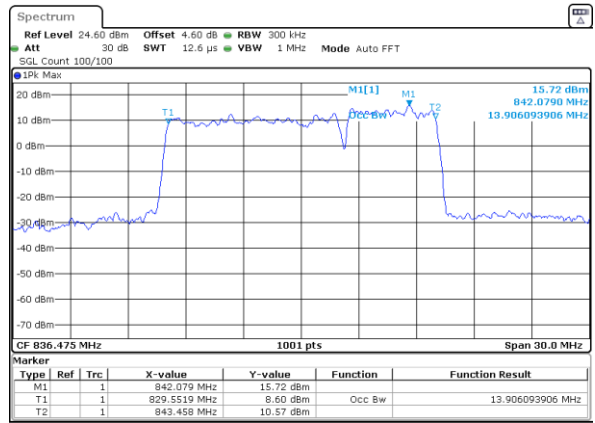
Date: 22.FEB.2023 01:56:132

Middle Channel / 10MHz+5MHz / QPSK



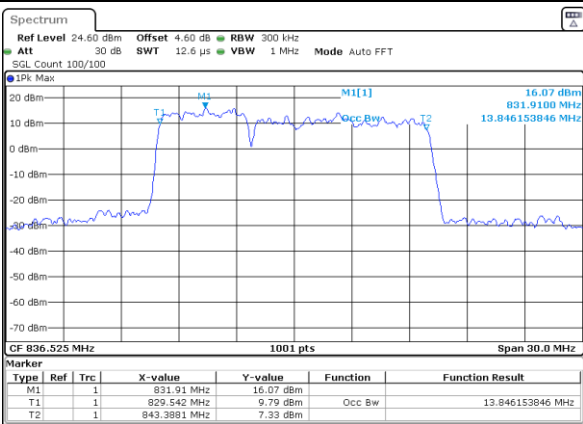
Date: 22.FEB.2023 01:49:16

Middle Channel / 10MHz+5MHz / 16QAM



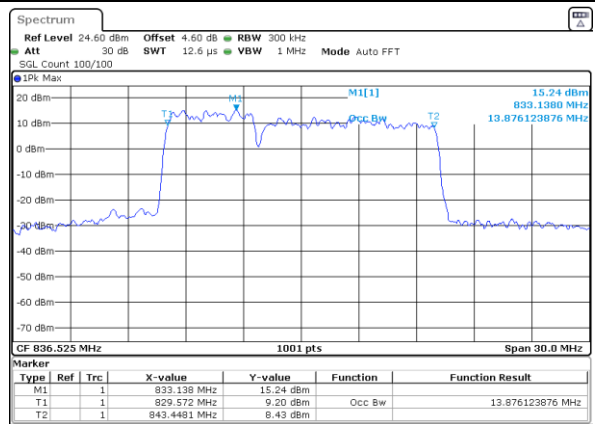
Date: 22.FEB.2023 01:50:145

Middle Channel / 5MHz+10MHz / QPSK



Date: 22.FEB.2023 01:39:48

Middle Channel / 5MHz+10MHz / 16QAM



Date: 22.FEB.2023 01:40:116