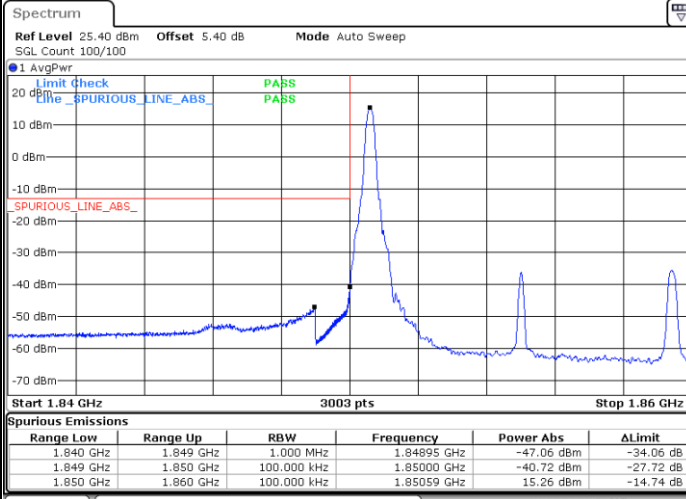




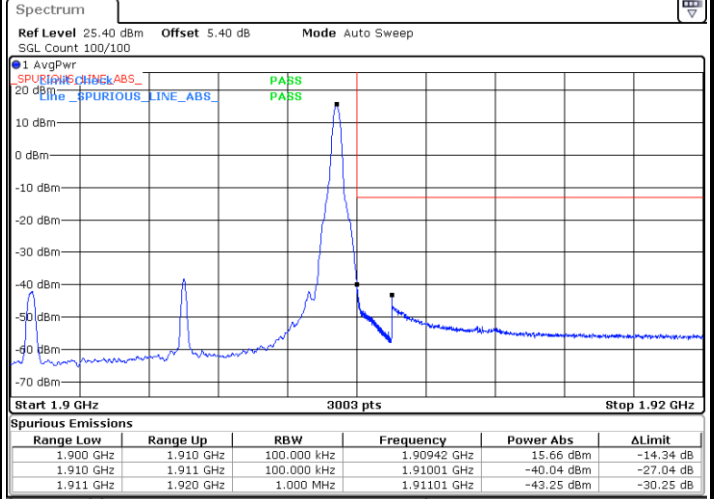
LTE Band 2 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



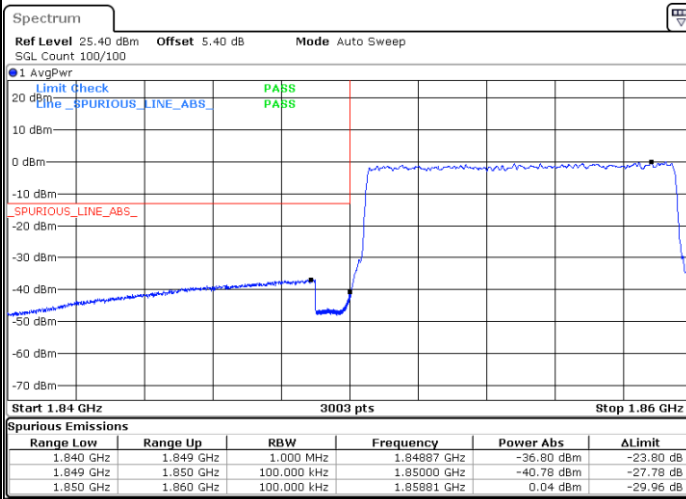
Date: 18.FEB.2023 01:20:02

Highest Band Edge / 1 RB



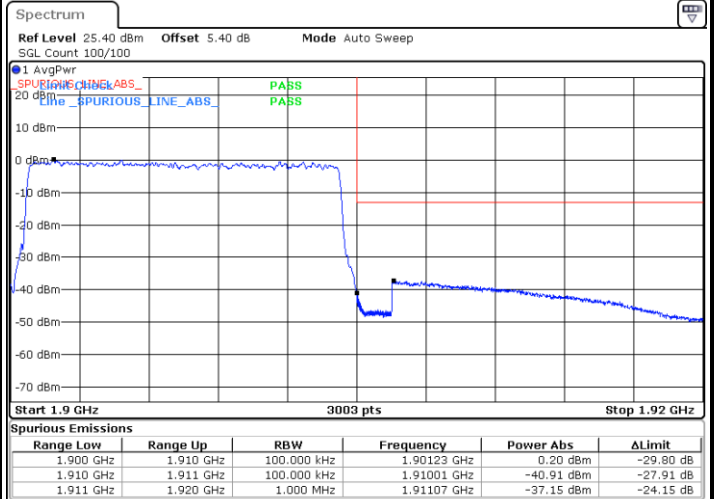
Date: 18.FEB.2023 01:23:58

Lowest Band Edge / Full RB



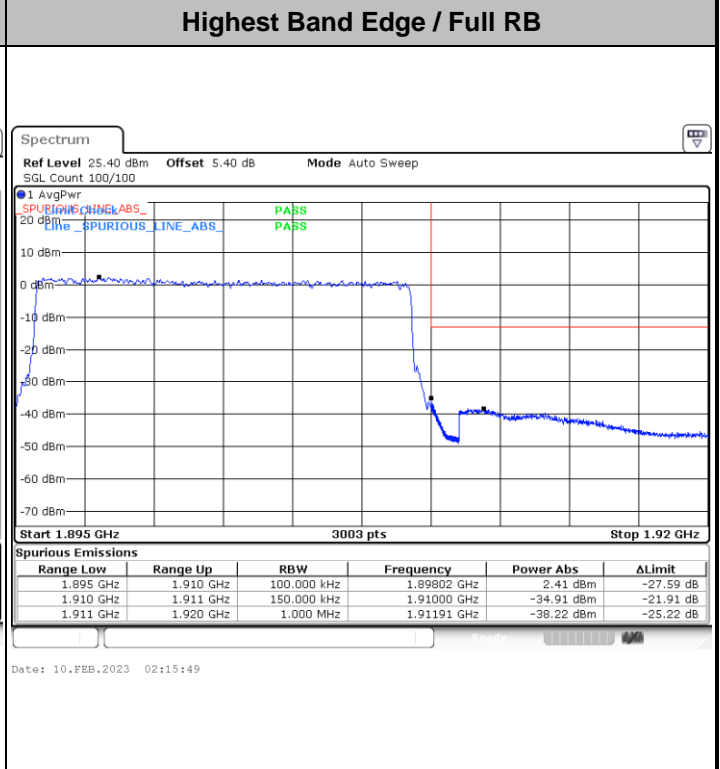
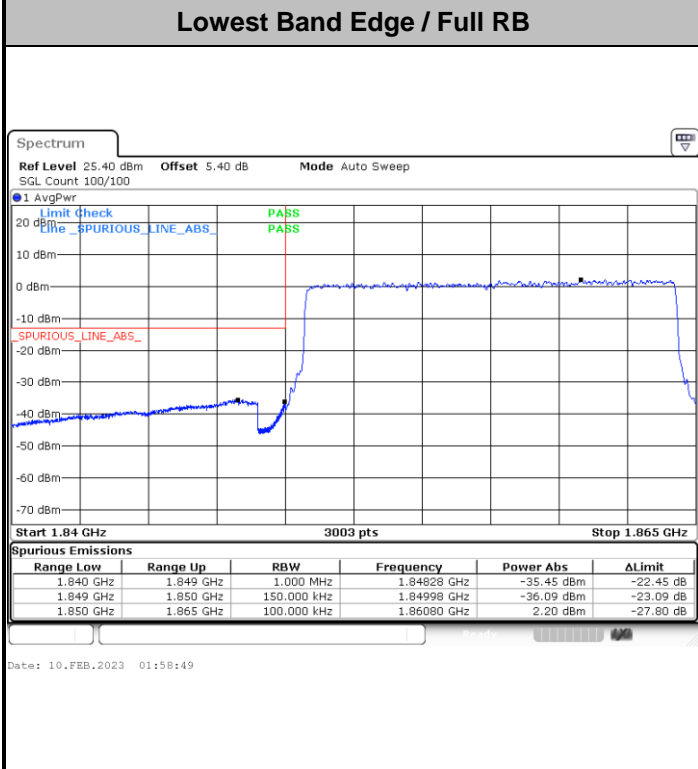
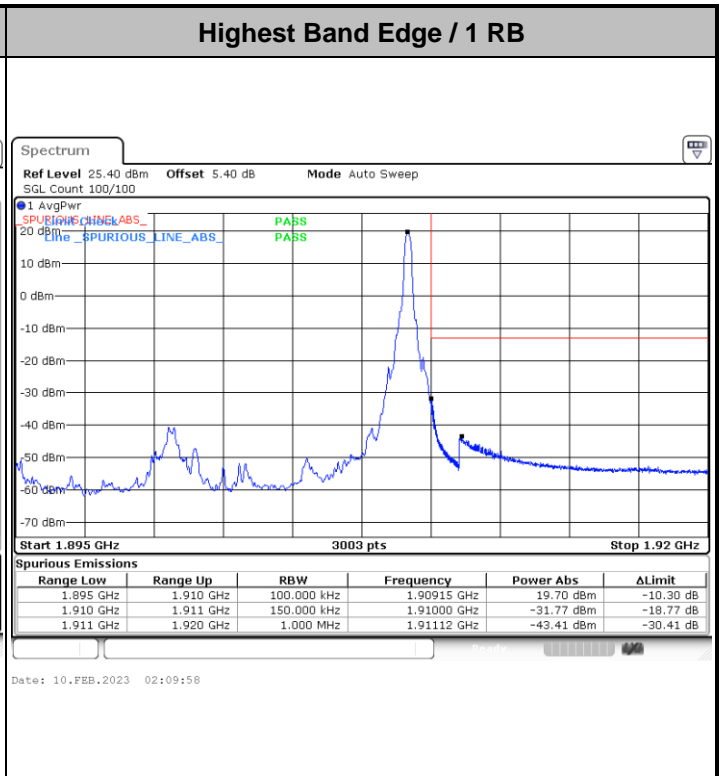
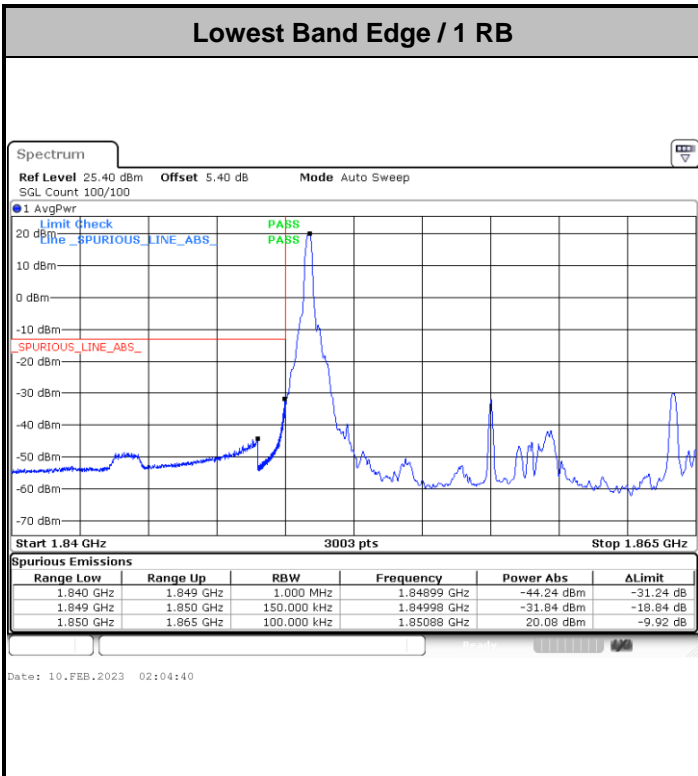
Date: 18.FEB.2023 01:21:24

Highest Band Edge / Full RB



Date: 18.FEB.2023 01:26:31

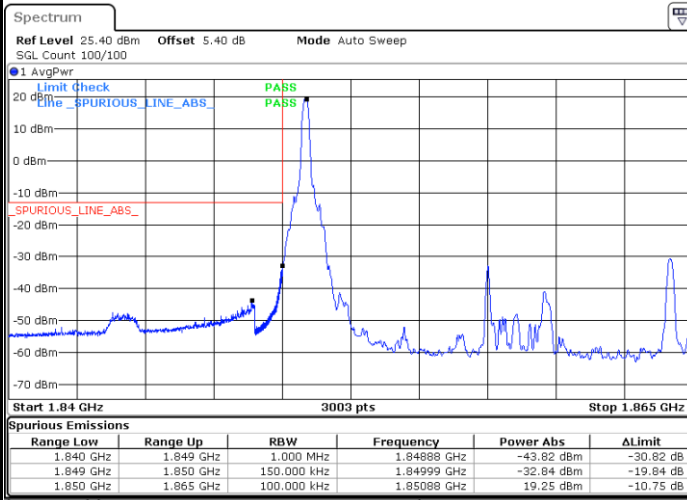
LTE Band 2 / 15MHz / QPSK





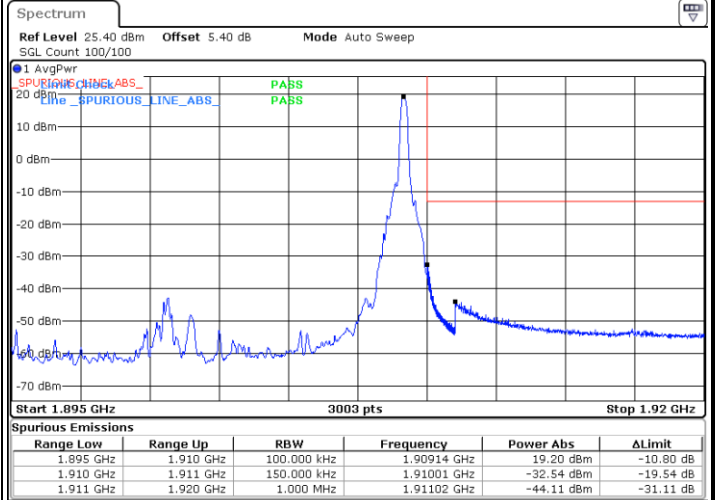
LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



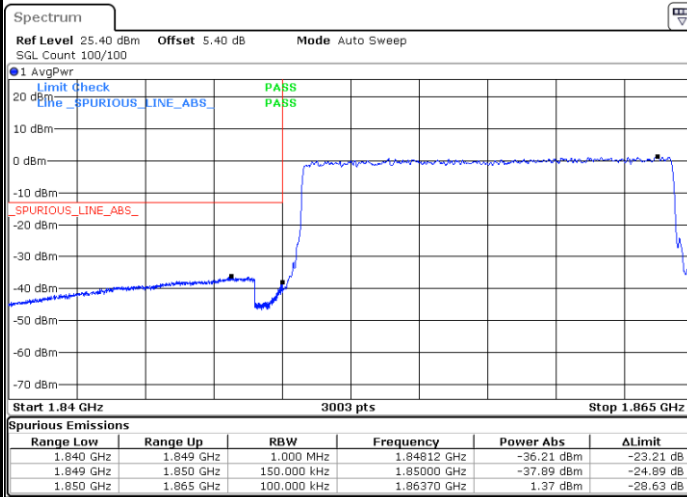
Date: 10.FEB.2023 02:03:30

Highest Band Edge / 1 RB



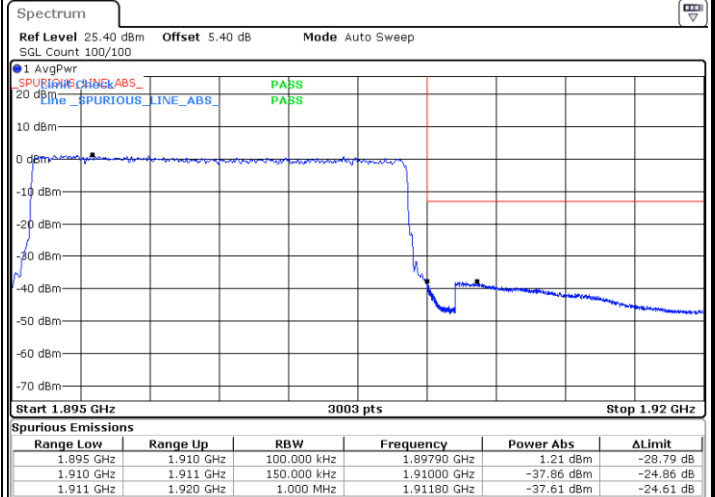
Date: 10.FEB.2023 02:11:08

Lowest Band Edge / Full RB



Date: 10.FEB.2023 01:59:59

Highest Band Edge / Full RB

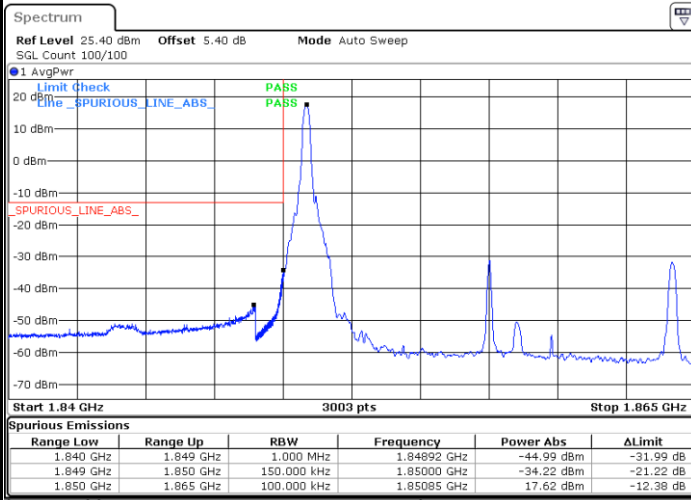


Date: 10.FEB.2023 02:14:39



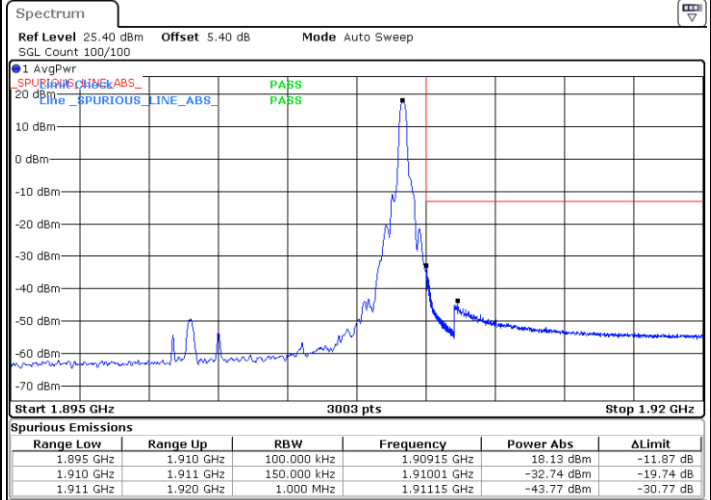
LTE Band 2 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



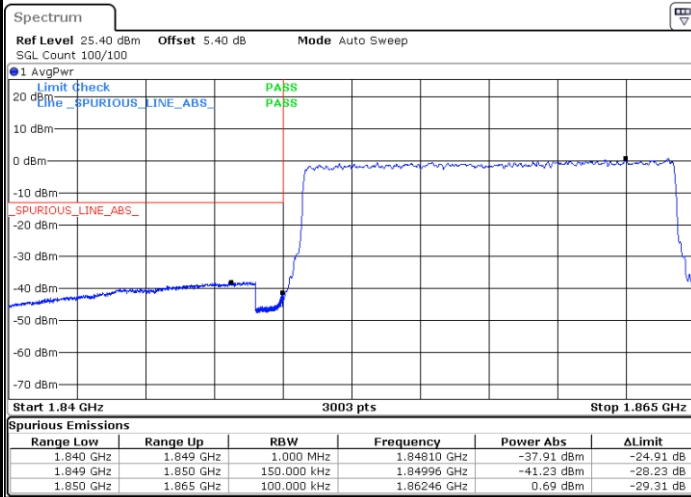
Date: 10.FEB.2023 02:02:20

Highest Band Edge / 1 RB



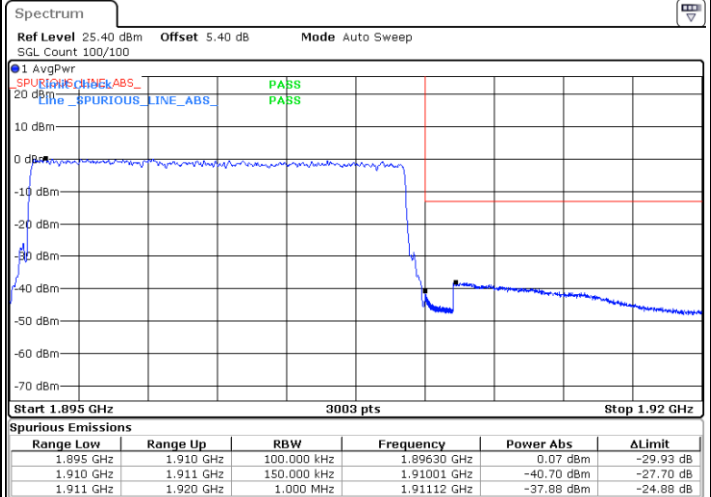
Date: 10.FEB.2023 02:12:18

Lowest Band Edge / Full RB



Date: 10.FEB.2023 02:01:10

Highest Band Edge / Full RB

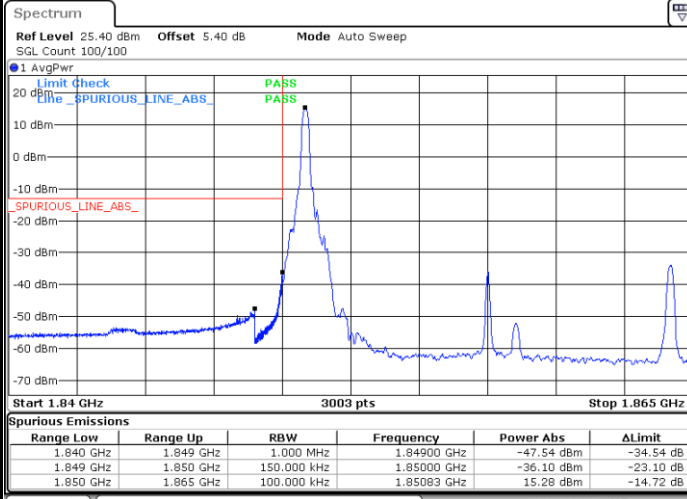


Date: 10.FEB.2023 02:13:29



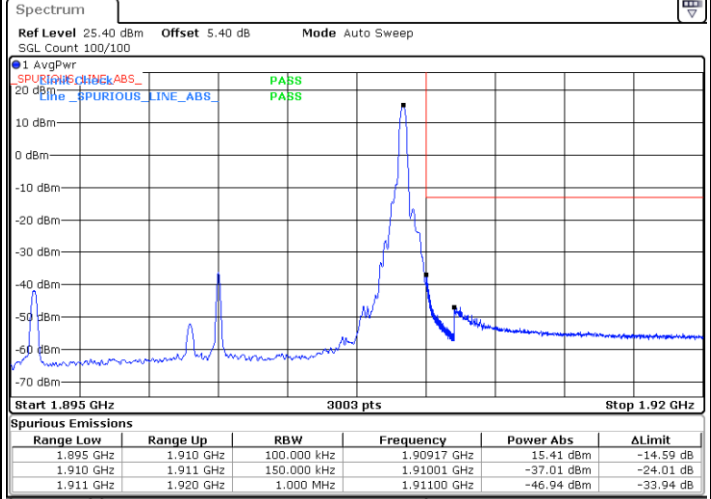
LTE Band 2 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



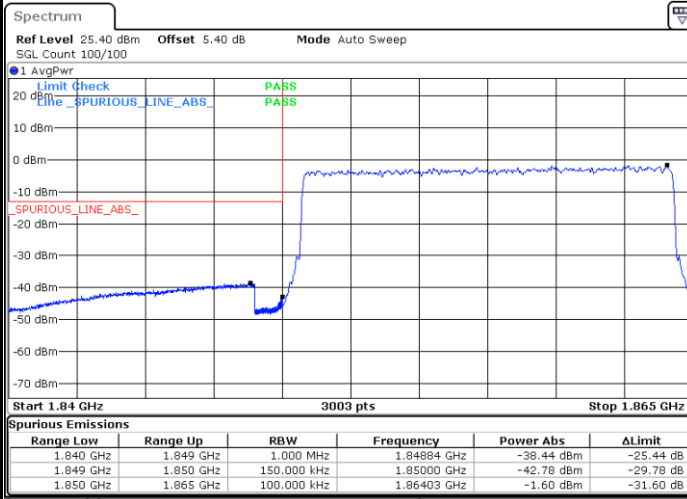
Date: 18.FEB.2023 01:27:54

Highest Band Edge / 1 RB



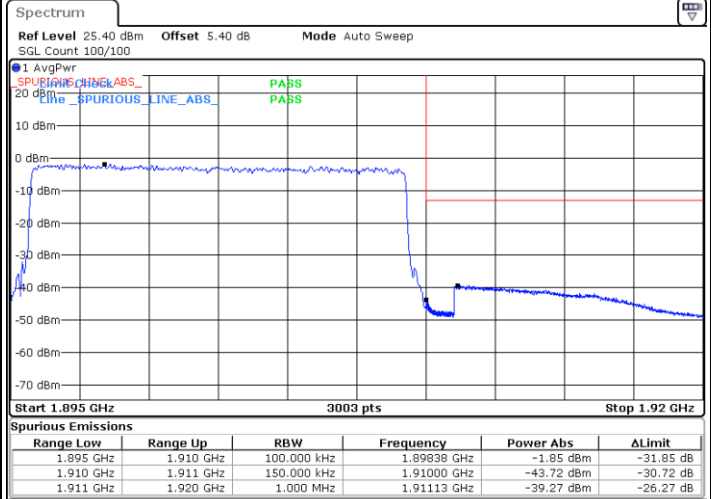
Date: 18.FEB.2023 01:31:50

Lowest Band Edge / Full RB



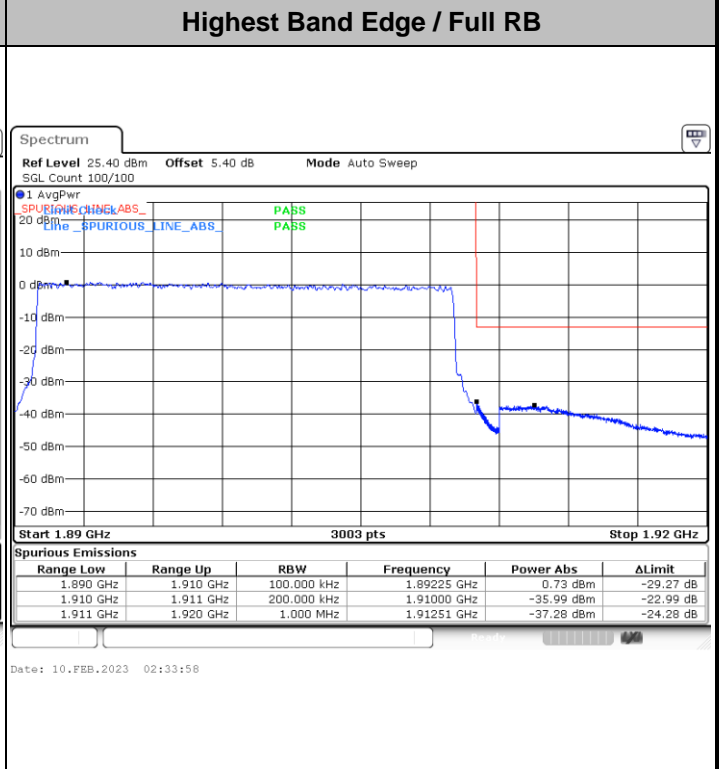
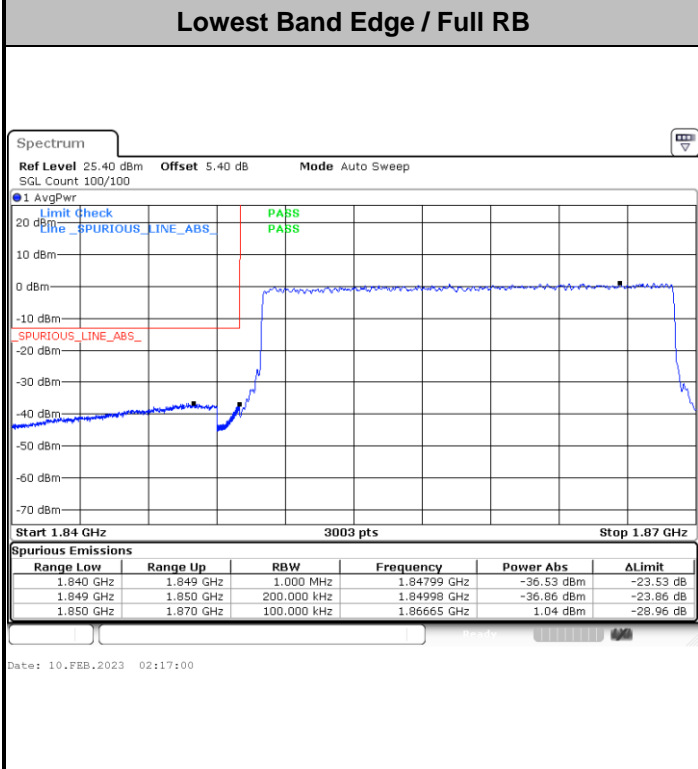
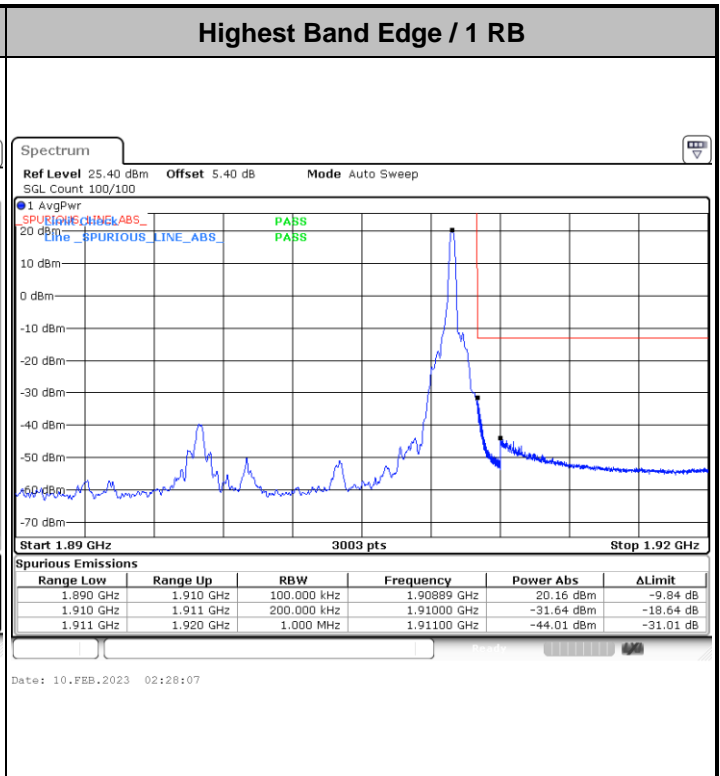
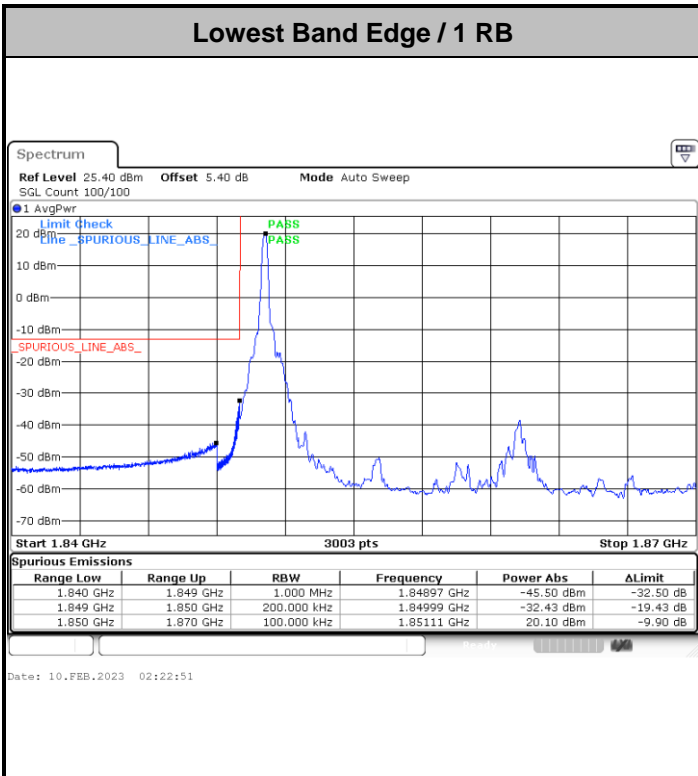
Date: 18.FEB.2023 01:30:28

Highest Band Edge / Full RB



Date: 18.FEB.2023 01:34:24

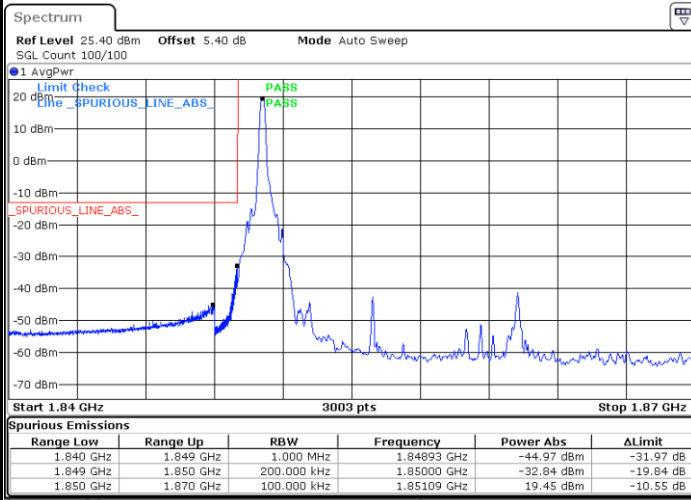
LTE Band 2 / 20MHz / QPSK





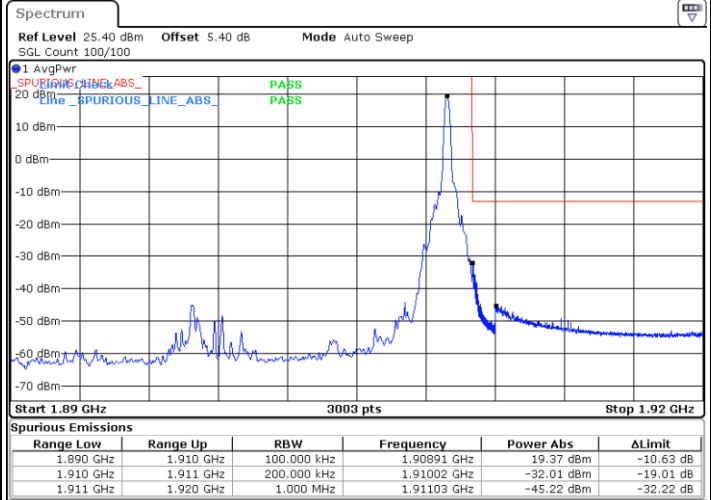
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



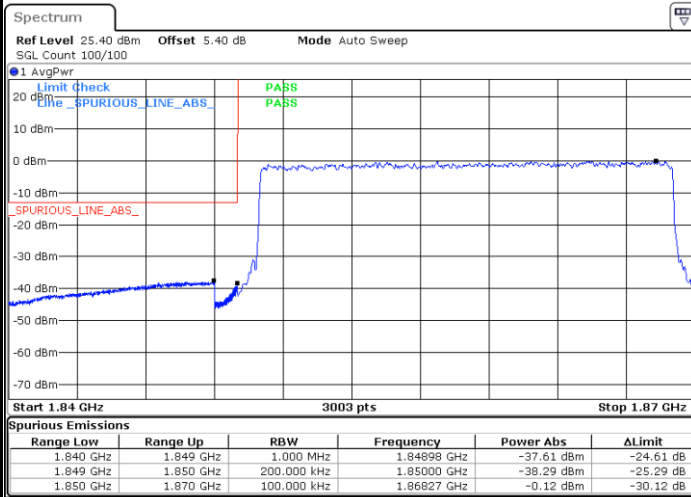
Date: 10.FEB.2023 02:21:40

Highest Band Edge / 1 RB



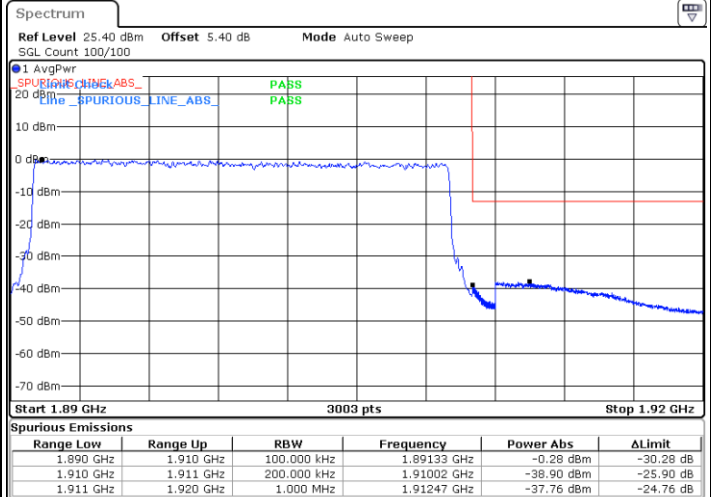
Date: 10.FEB.2023 02:29:17

Lowest Band Edge / Full RB



Date: 10.FEB.2023 02:18:10

Highest Band Edge / Full RB

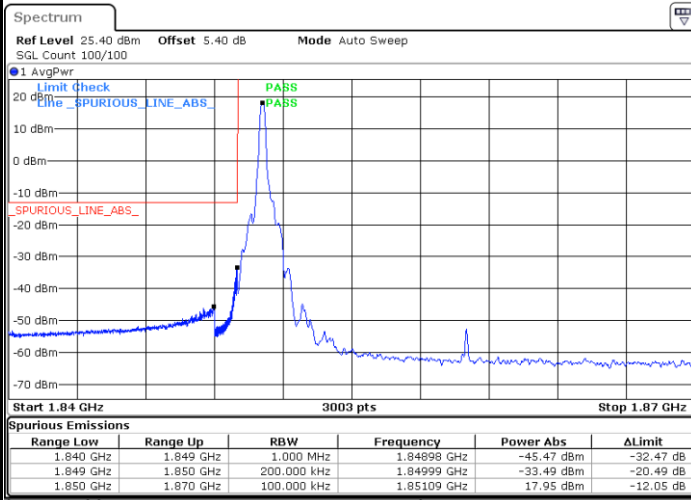


Date: 10.FEB.2023 02:32:48



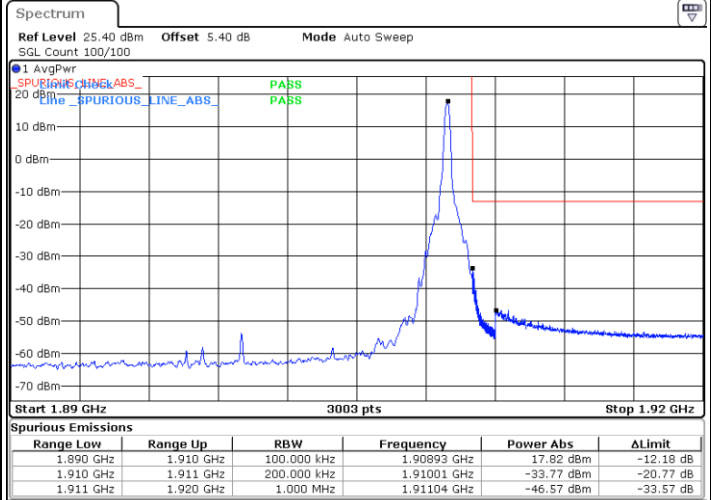
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



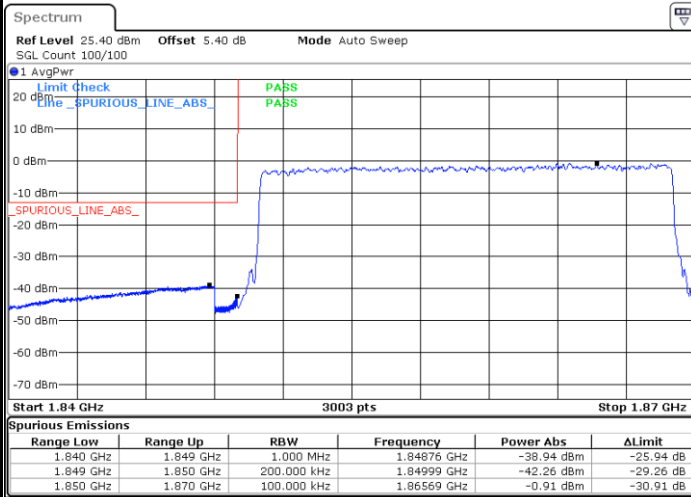
Date: 10.FEB.2023 02:20:30

Highest Band Edge / 1 RB



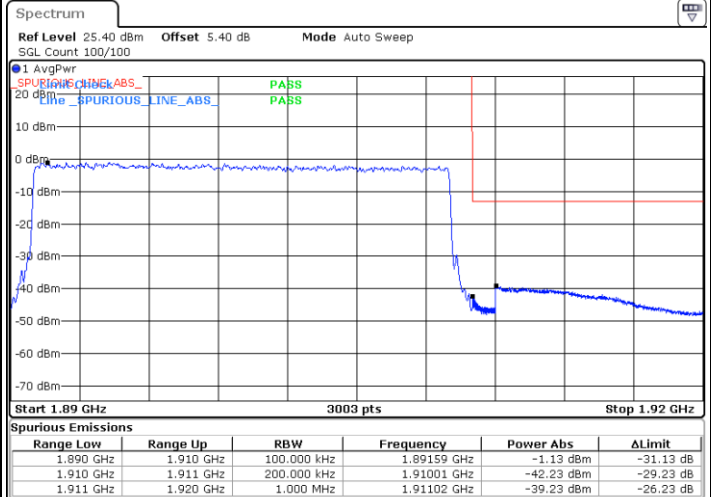
Date: 10.FEB.2023 02:30:27

Lowest Band Edge / Full RB



Date: 10.FEB.2023 02:19:20

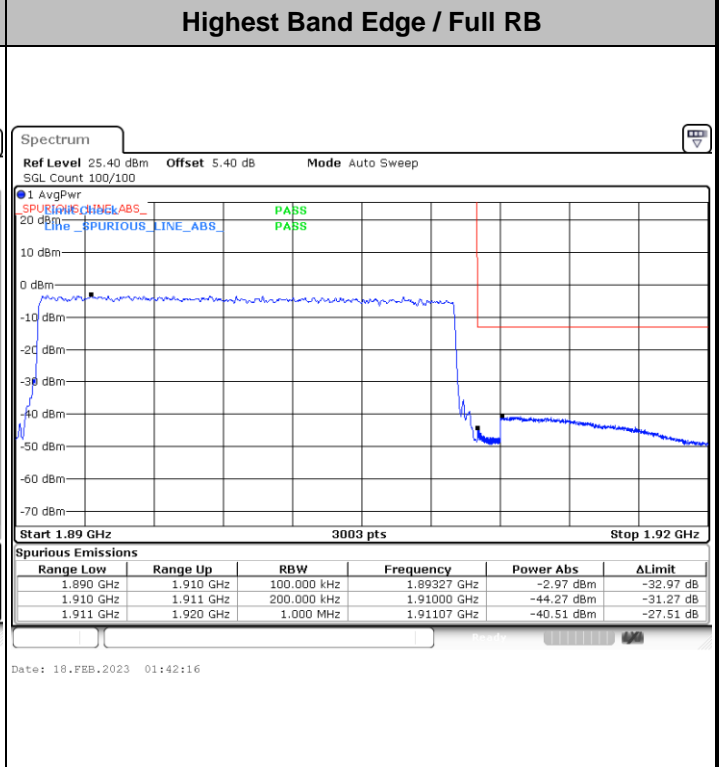
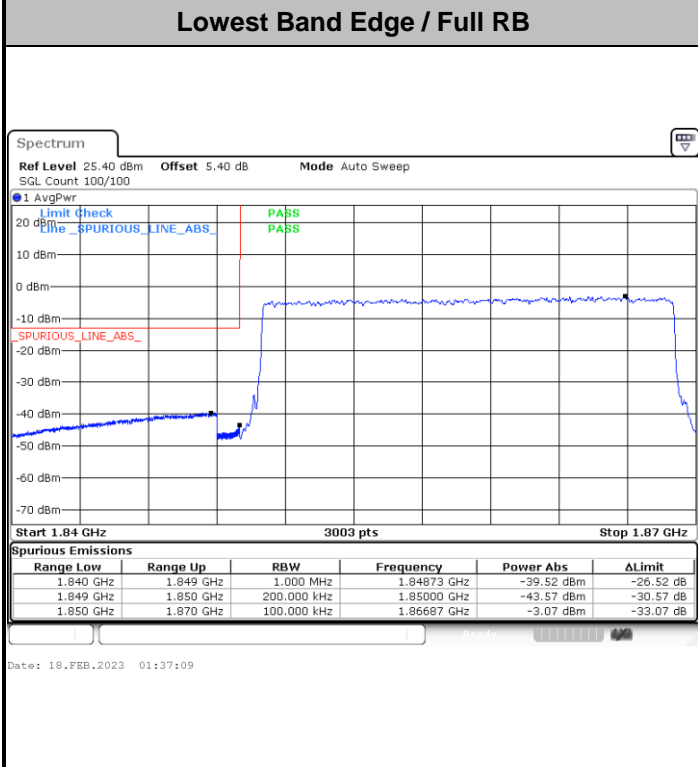
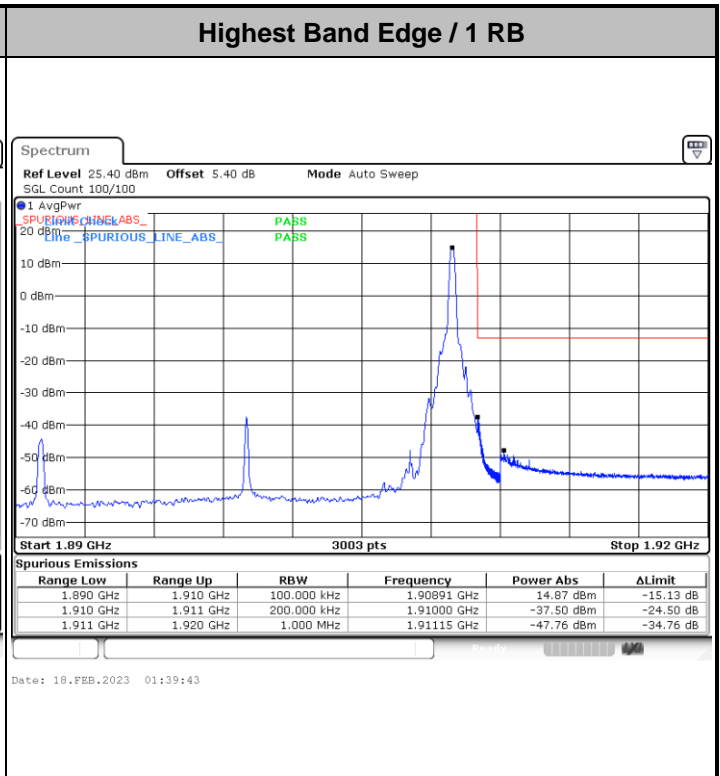
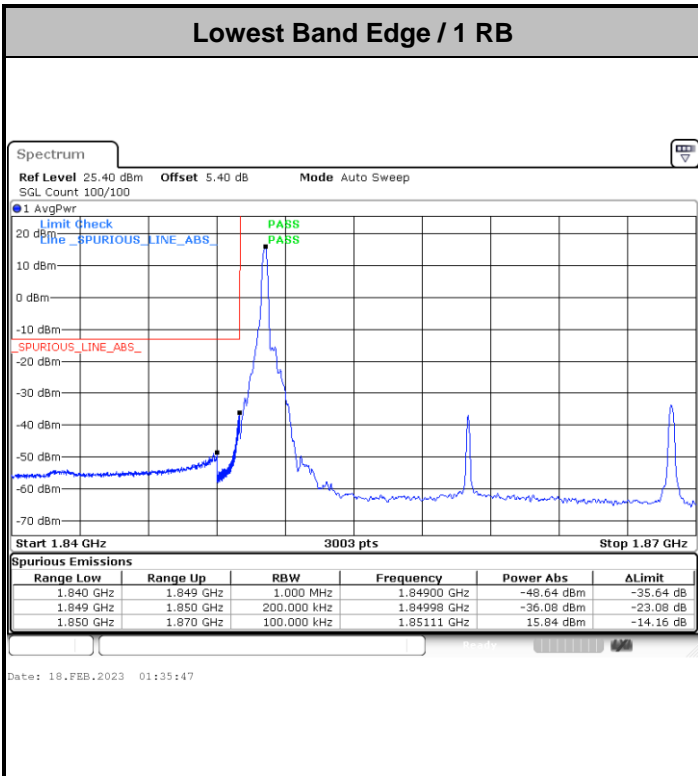
Highest Band Edge / Full RB



Date: 10.FEB.2023 02:31:38

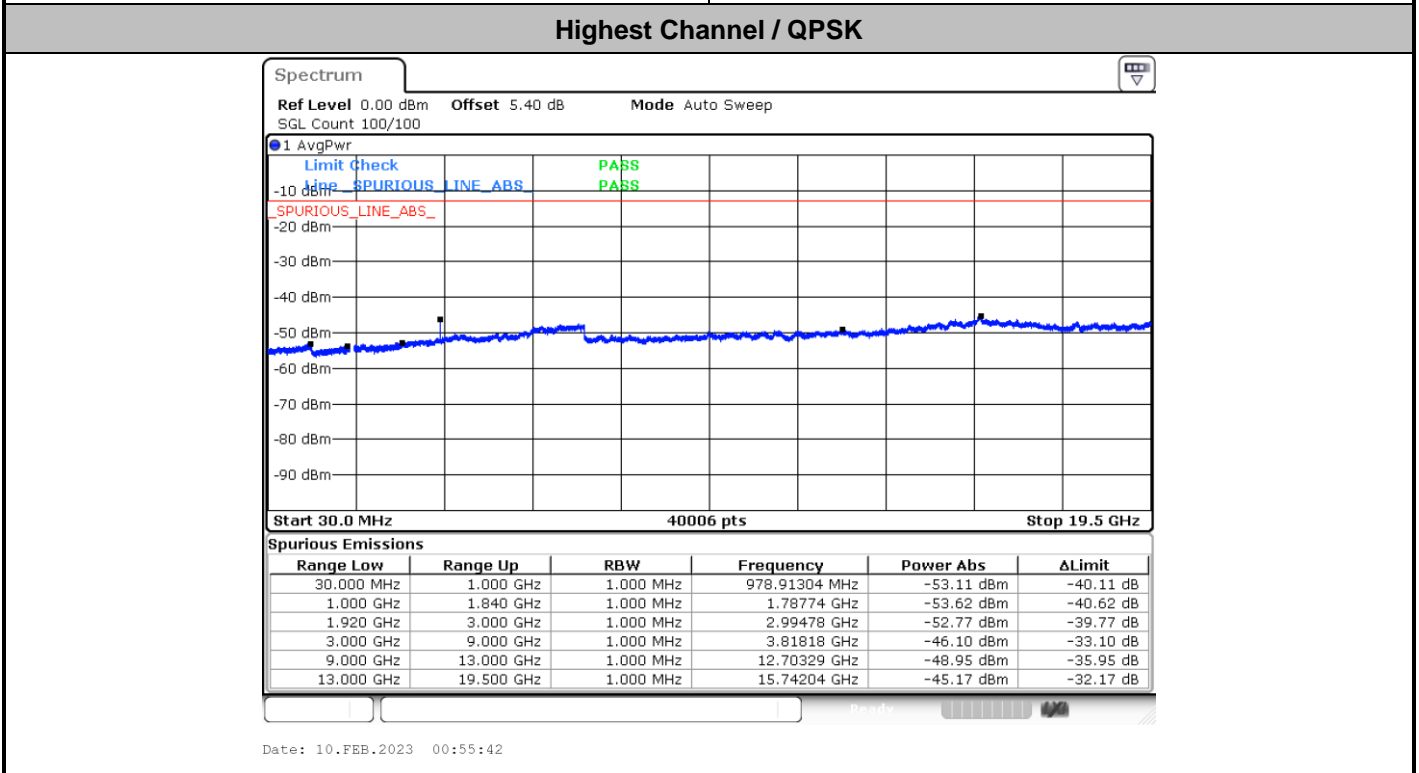
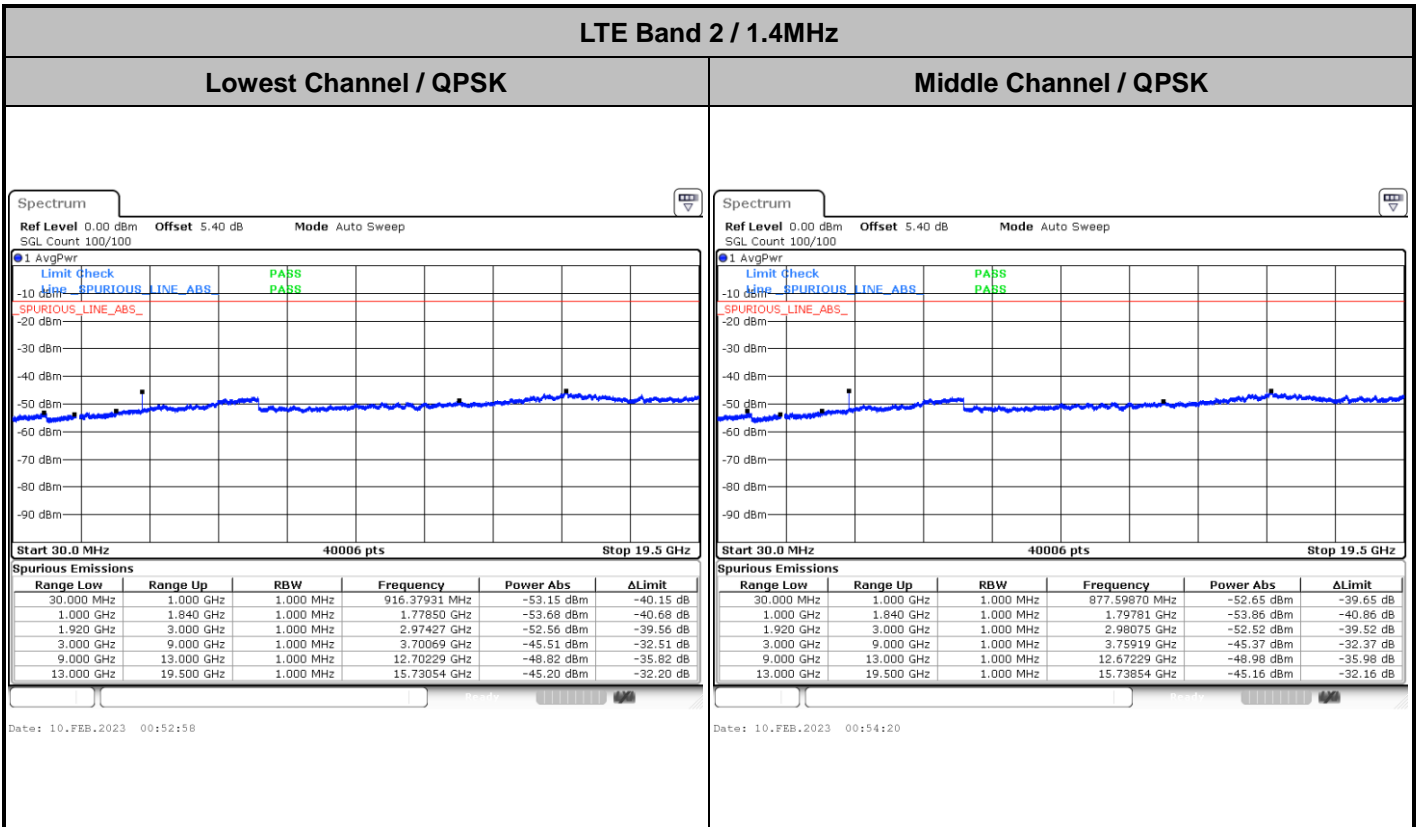
LTE Band 2 / 20MHz / 256QAM







# Conducted Spurious Emission

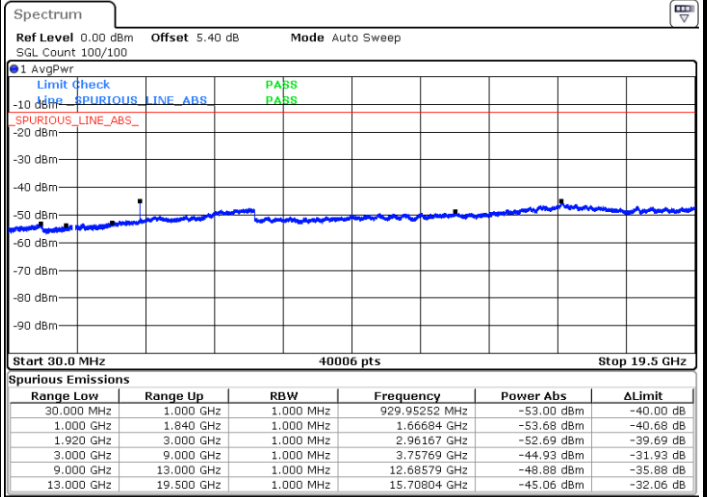
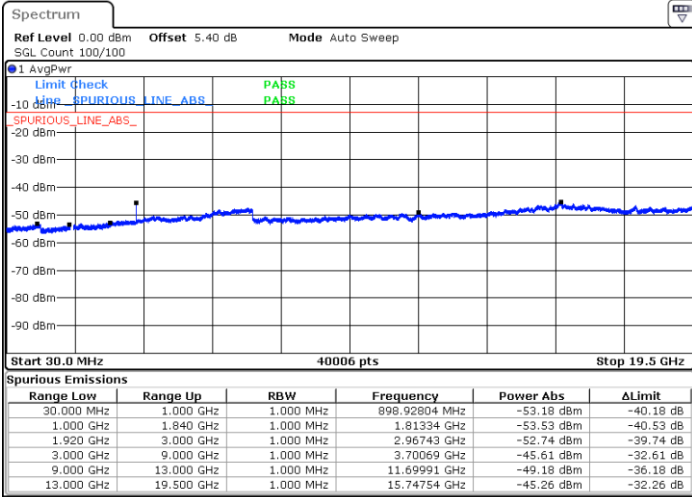




LTE Band 2 / 3MHz

Lowest Channel / QPSK

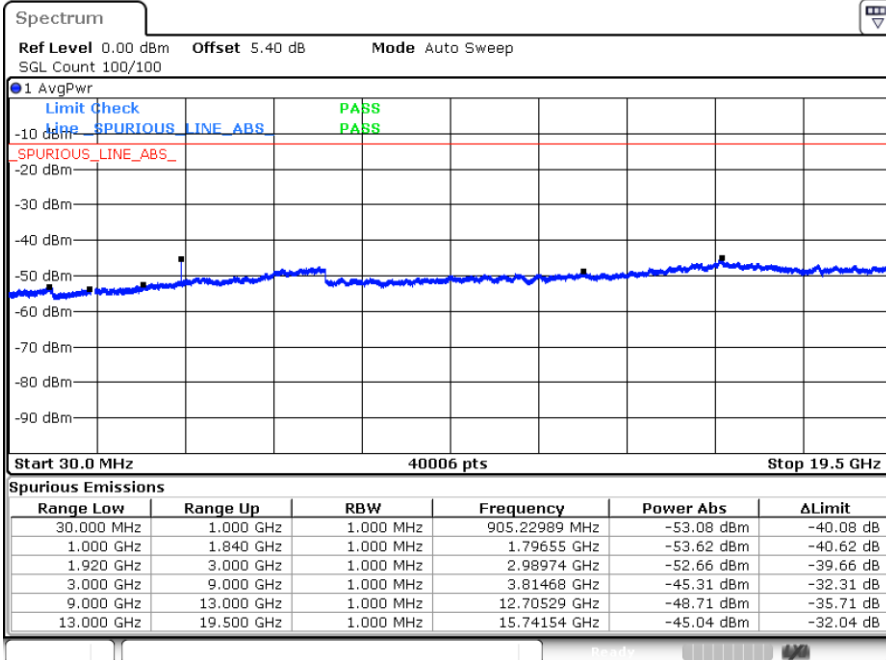
Middle Channel / QPSK



Date: 10.FEB.2023 01:11:29

Date: 10.FEB.2023 01:12:51

Highest Channel / QPSK



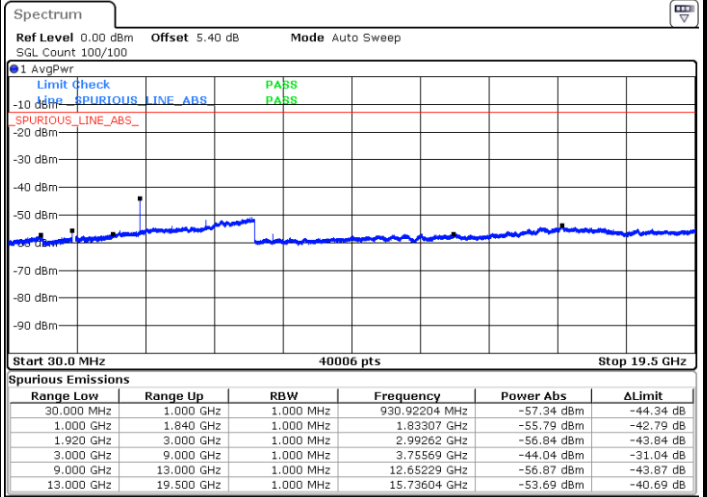
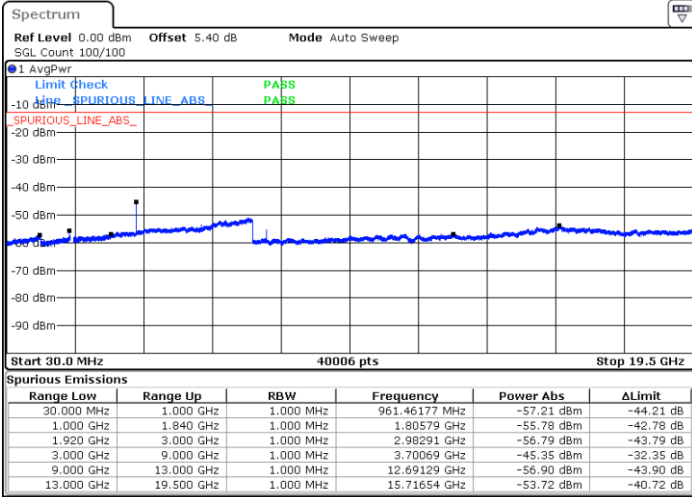
Date: 10.FEB.2023 01:14:13



LTE Band 2 / 5MHz

Lowest Channel / QPSK

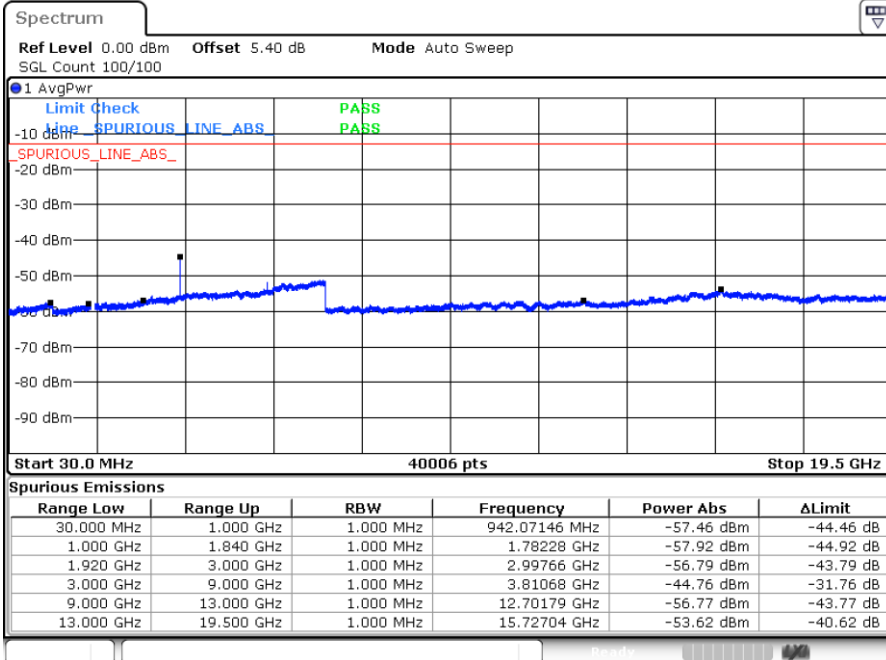
Middle Channel / QPSK



Date: 10.FEB.2023 01:29:41

Date: 10.FEB.2023 01:31:03

Highest Channel / QPSK



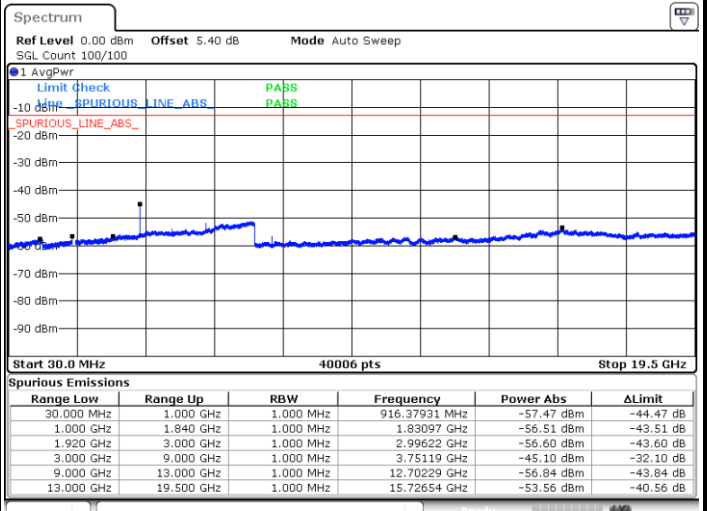
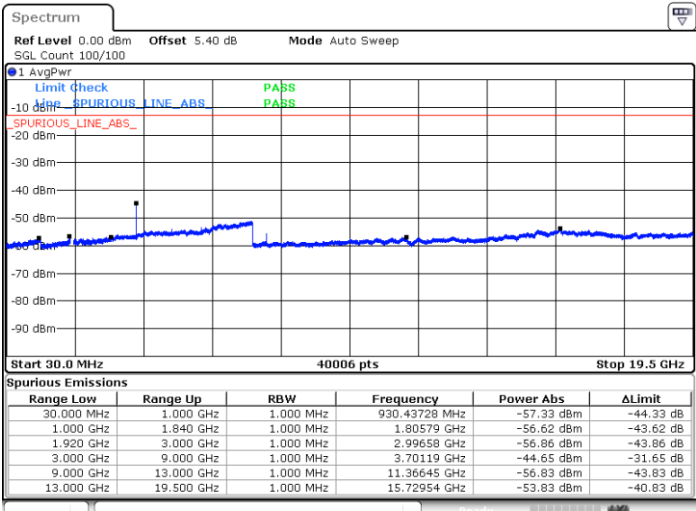
Date: 10.FEB.2023 01:32:25



LTE Band 2 / 10MHz

Lowest Channel / QPSK

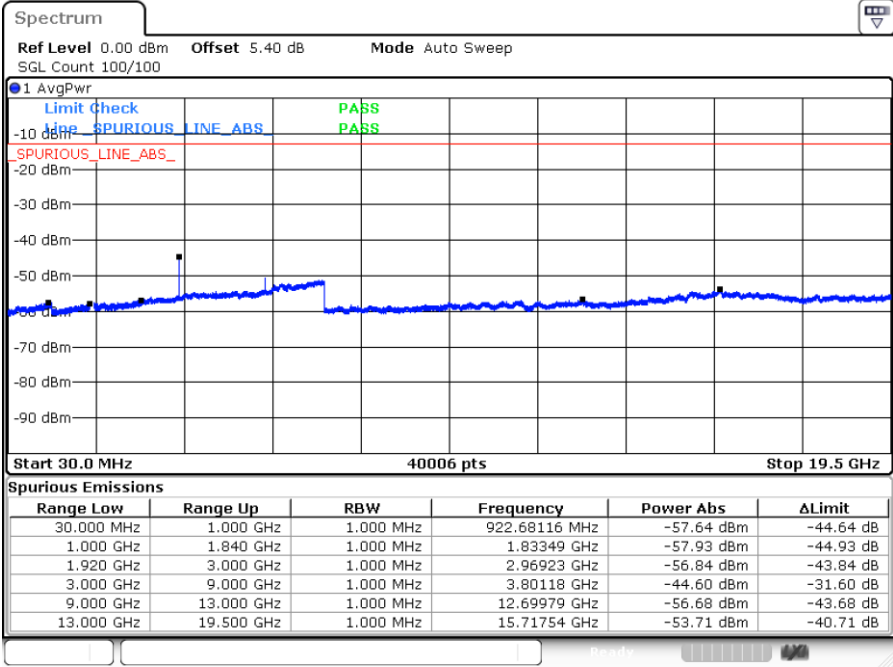
Middle Channel / QPSK



Date: 10.FEB.2023 01:47:52

Date: 10.FEB.2023 01:49:14

Highest Channel / QPSK



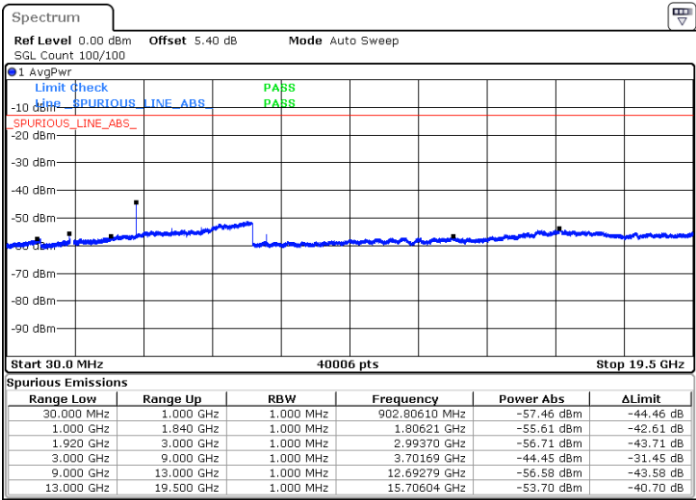
Date: 10.FEB.2023 01:50:36



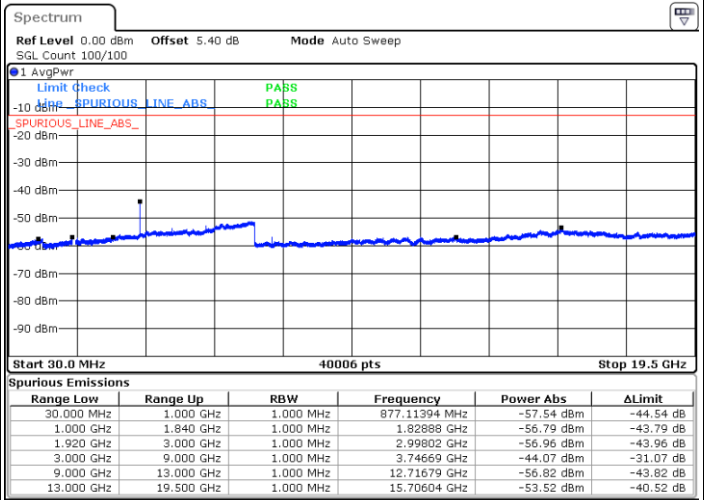
LTE Band 2 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

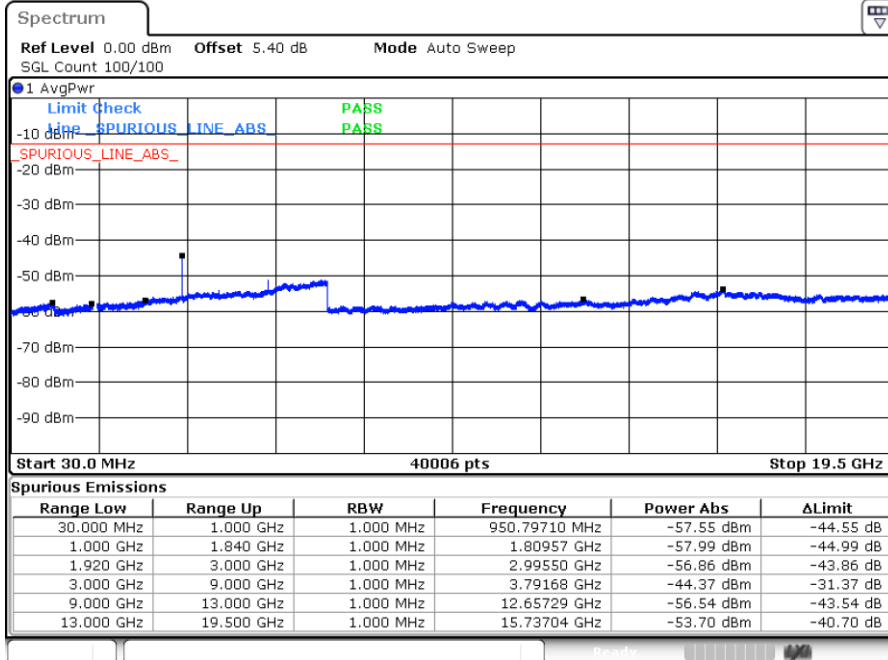


Date: 10.FEB.2023 02:06:03



Date: 10.FEB.2023 02:07:26

Highest Channel / QPSK



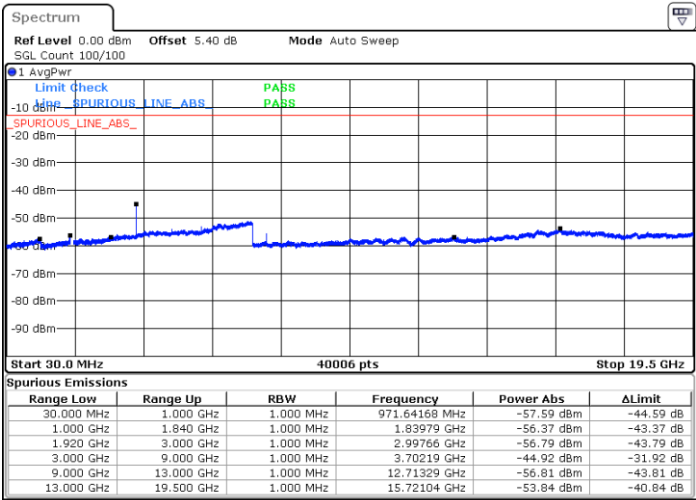
Date: 10.FEB.2023 02:08:48



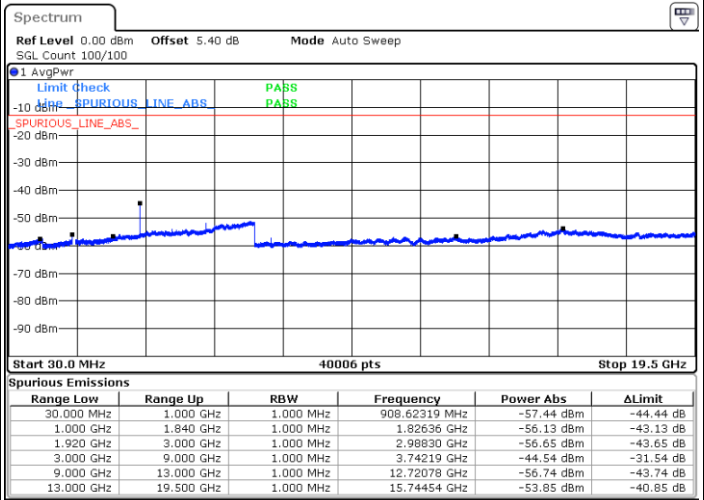
LTE Band 2 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

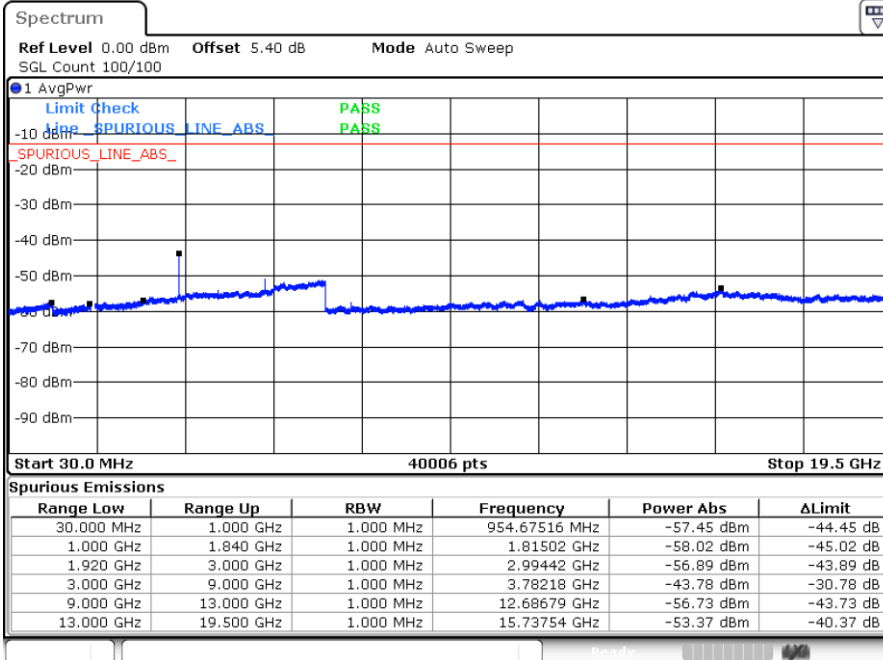


Date: 10.FEB.2023 02:24:13



Date: 10.FEB.2023 02:25:34

Highest Channel / QPSK



Date: 10.FEB.2023 02:26:57



Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0025	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0025	
-20	Normal Voltage	0.0032	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0009	
20	Battery End Point	0.0028	

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.

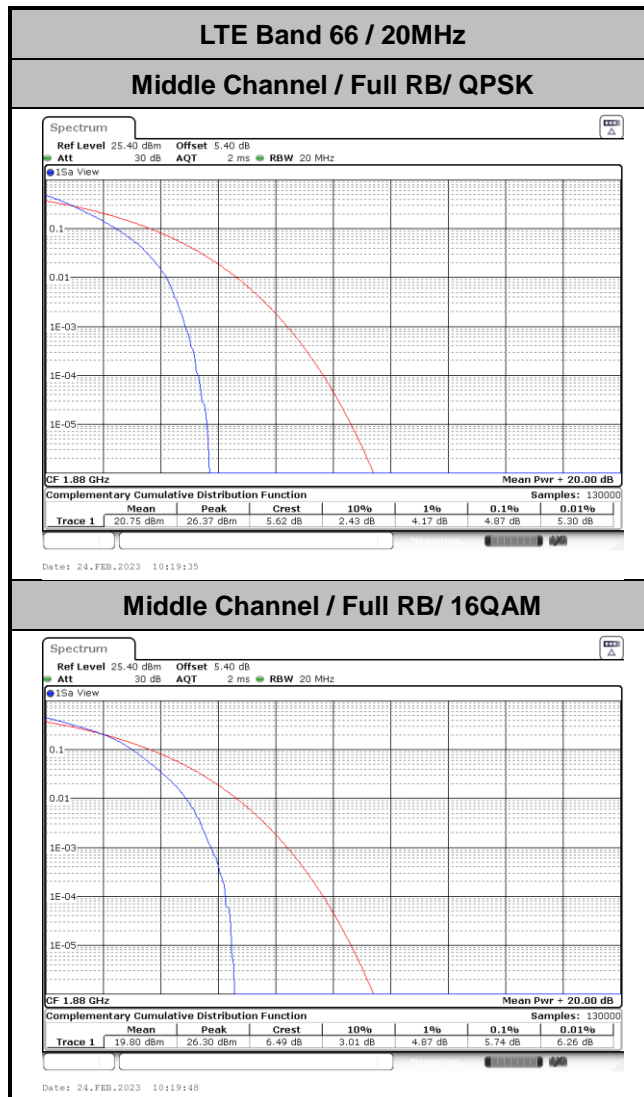


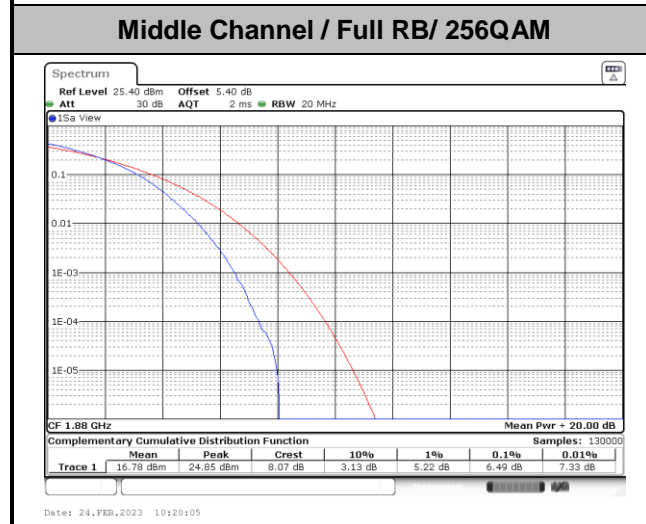
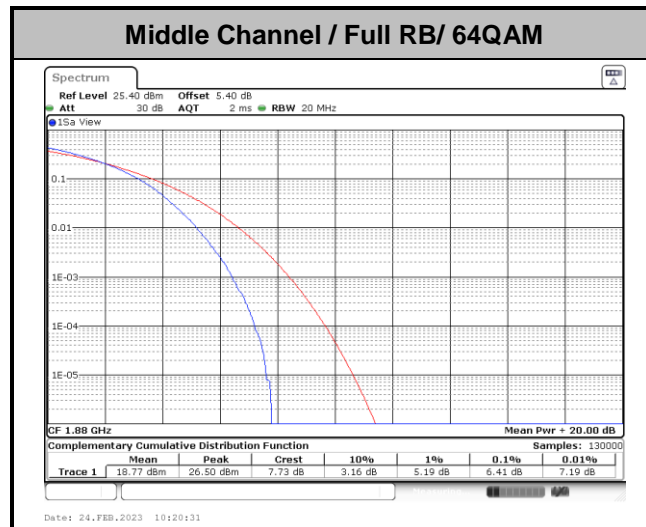


# LTE Band 2(Other PA)

## Peak-to-Average Ratio

Mode	LTE Band 2 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.87	5.74	6.41	6.49	PASS







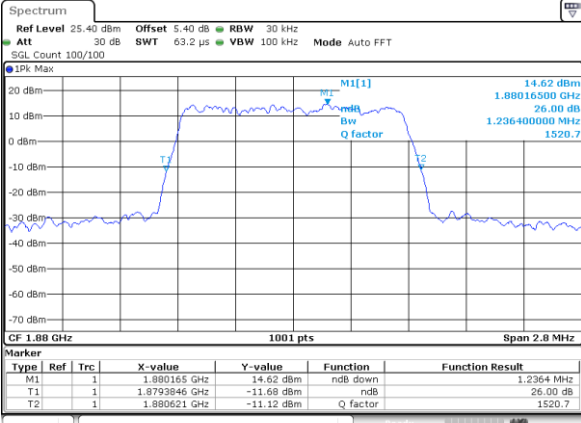
**26dB Bandwidth**

Mode	LTE Band 2 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.24	1.23
Mode	LTE Band 2 : 26dB BW(MHz)	
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.04	3.03
Mode	LTE Band 2 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.83	4.90
Mode	LTE Band 2 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.79	9.65
Mode	LTE Band 2 : 26dB BW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.45	14.45
Mode	LTE Band 2 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.34	18.66



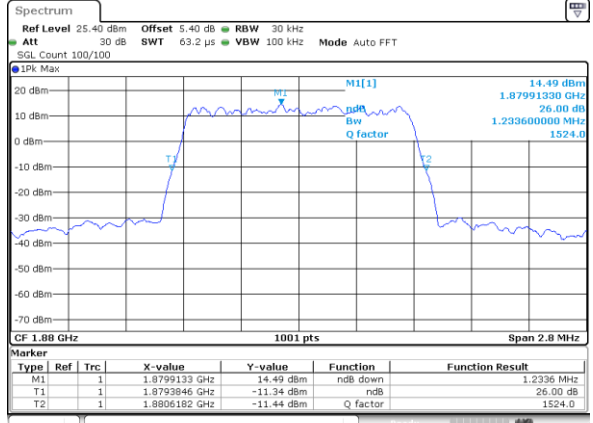
LTE Band 2

Middle Channel / 1.4MHz / QPSK



Date: 23.FEB.2023 15:34:29

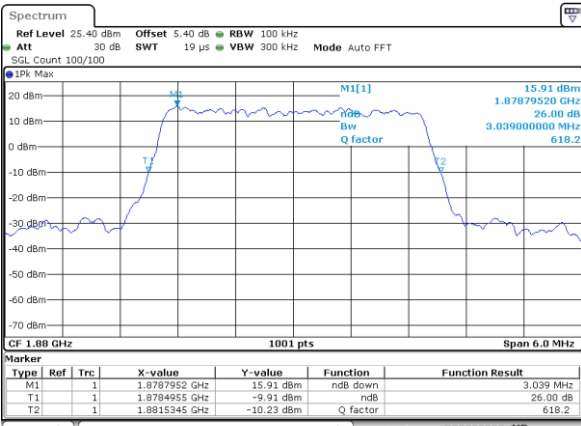
Middle Channel / 1.4MHz / 16QAM



Date: 23.FEB.2023 15:35:18

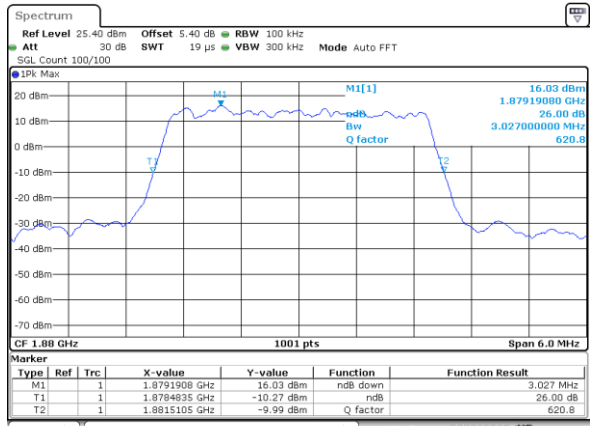
LTE Band 2

Middle Channel / 3MHz / QPSK



Date: 23.FEB.2023 16:44:32

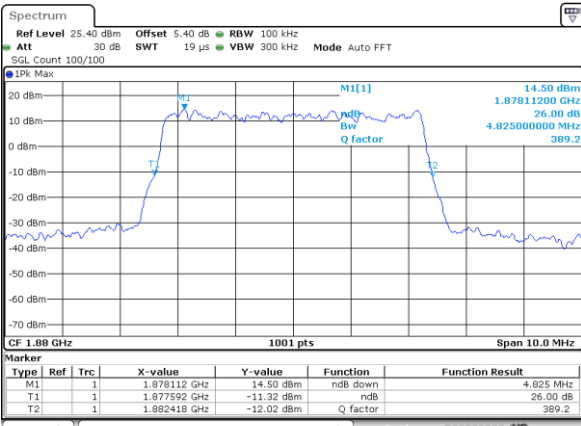
Middle Channel / 3MHz / 16QAM



Date: 23.FEB.2023 16:45:52

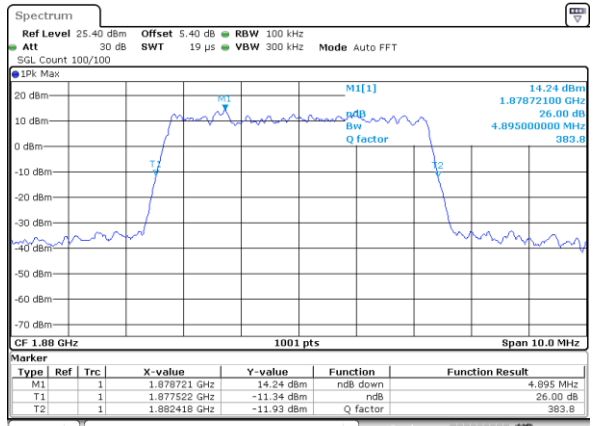
LTE Band 2

Middle Channel / 5MHz / QPSK



Date: 23.FEB.2023 17:12:34

Middle Channel / 5MHz / 16QAM

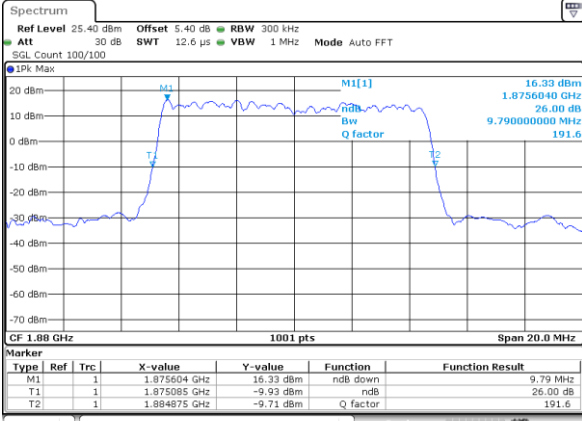


Date: 23.FEB.2023 17:12:54



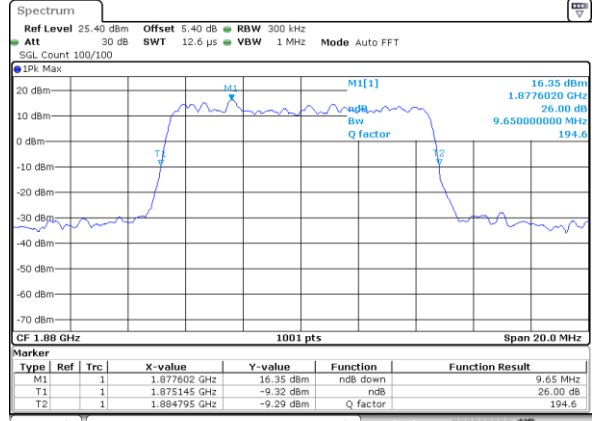
LTE Band 2

Middle Channel / 10MHz / QPSK



Date: 23.FEB.2023 18:18:27

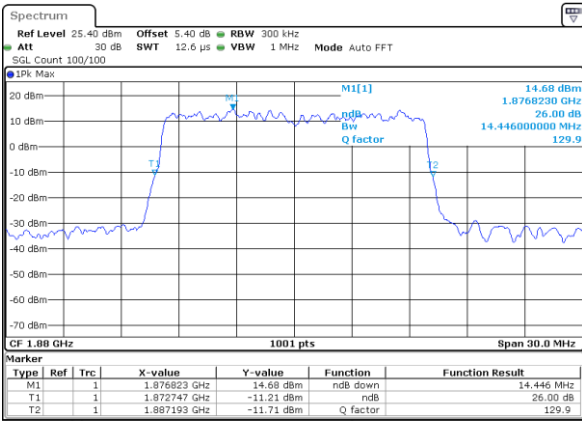
Middle Channel / 10MHz / 16QAM



Date: 23.FEB.2023 18:18:58

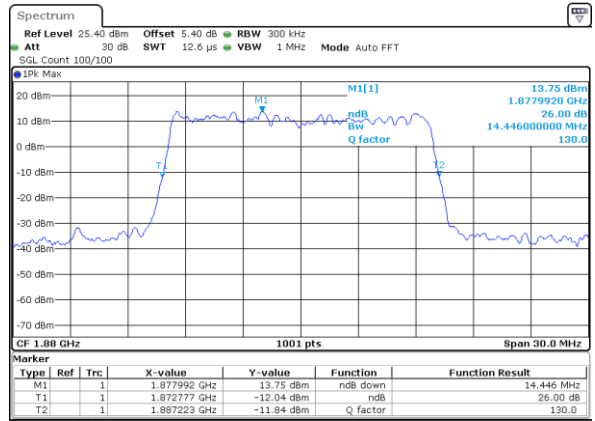
LTE Band 2

Middle Channel / 15MHz / QPSK



Date: 23.FEB.2023 18:33:05

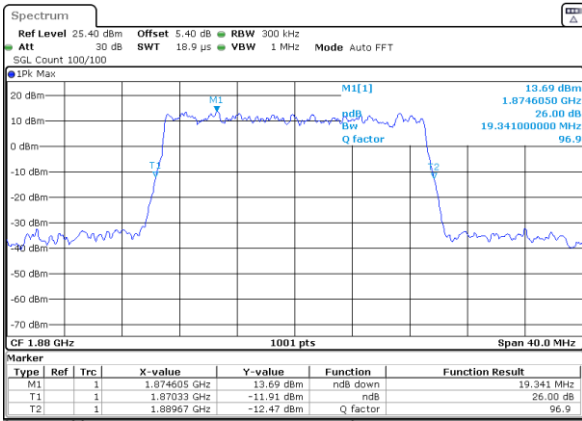
Middle Channel / 15MHz / 16QAM



Date: 23.FEB.2023 18:33:26

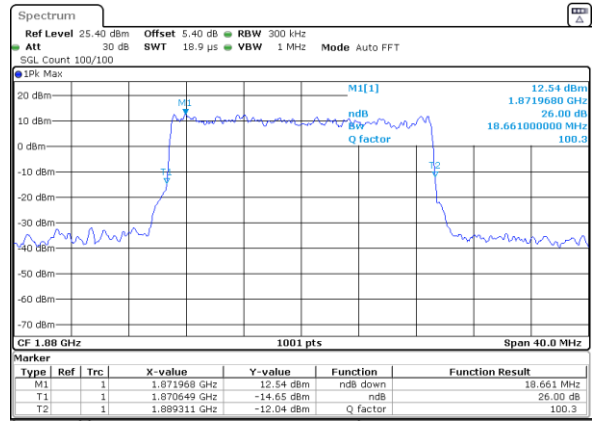
LTE Band 2

Middle Channel / 20MHz / QPSK



Date: 24.FEB.2023 10:11:35

Middle Channel / 20MHz / 16QAM



Date: 24.FEB.2023 10:11:56



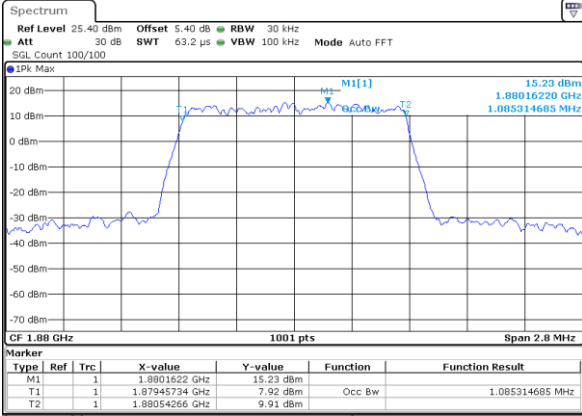
Occupied Bandwidth

Mode	LTE Band 2 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	1.09
Mode	LTE Band 2 : 99%OBW(MHz)	
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.71	2.73
Mode	LTE Band 2 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.51	4.51
Mode	LTE Band 2 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.09	8.99
Mode	LTE Band 2 : 99%OBW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.43	13.43
Mode	LTE Band 2 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.98	17.90



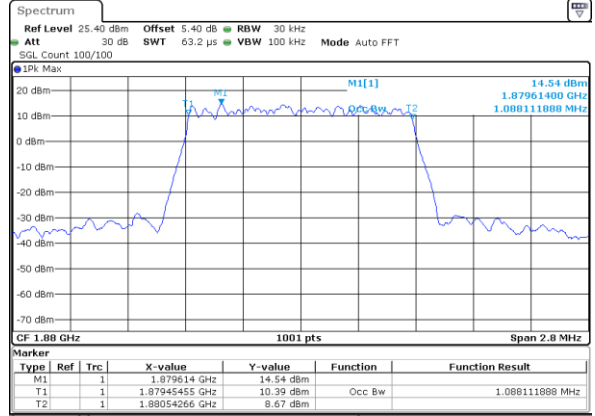
LTE Band 2

Middle Channel / 1.4MHz / QPSK



Date: 23.FEB.2023 15:34:53

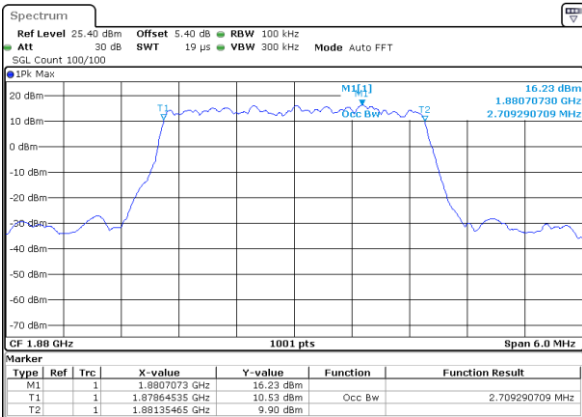
Middle Channel / 1.4MHz / 16QAM



Date: 23.FEB.2023 15:35:25

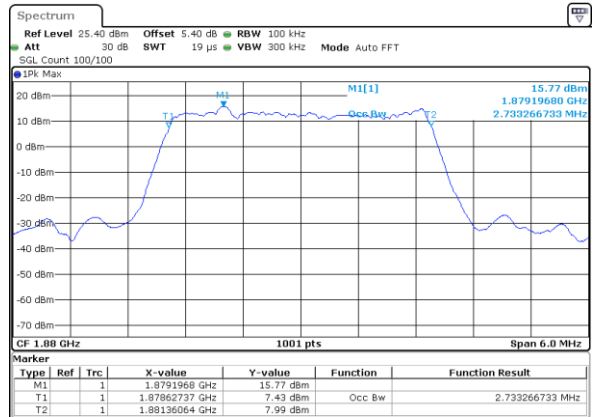
LTE Band 2

Middle Channel / 3MHz / QPSK



Date: 23.FEB.2023 16:44:52

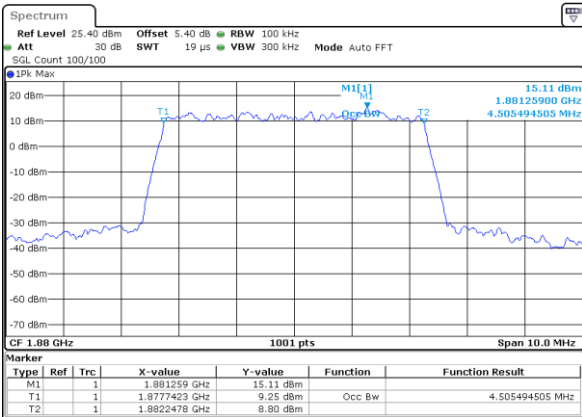
Middle Channel / 3MHz / 16QAM



Date: 23.FEB.2023 16:47:29

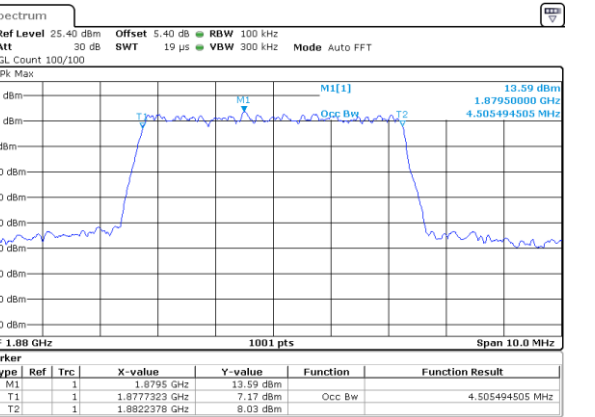
LTE Band 2

Middle Channel / 5MHz / QPSK



Date: 23.FEB.2023 17:12:40

Middle Channel / 5MHz / 16QAM

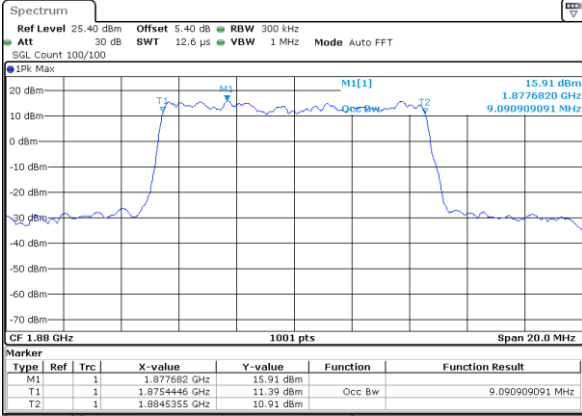


Date: 23.FEB.2023 17:13:01



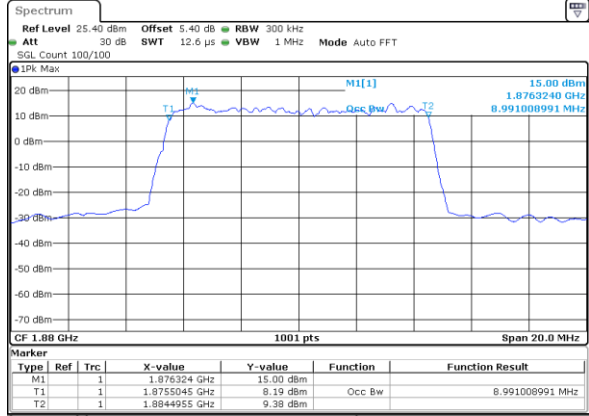
LTE Band 2

Middle Channel / 10MHz / QPSK



Date: 23.FEB.2023 18:18:34

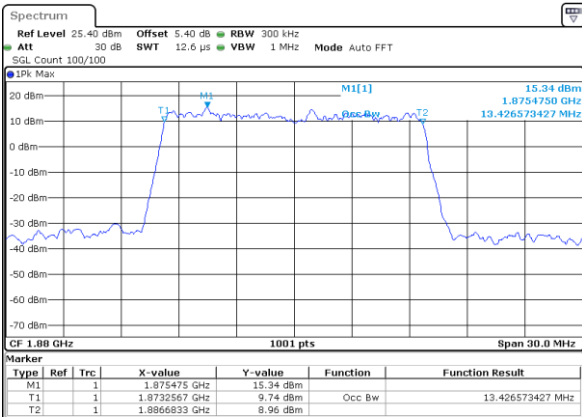
Middle Channel / 10MHz / 16QAM



Date: 23.FEB.2023 18:19:05

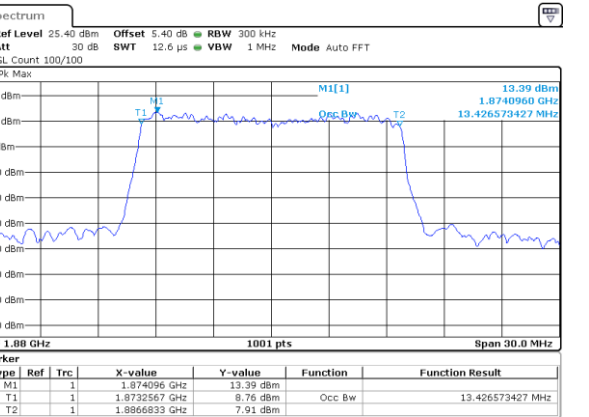
LTE Band 2

Middle Channel / 15MHz / QPSK



Date: 23.FEB.2023 18:33:13

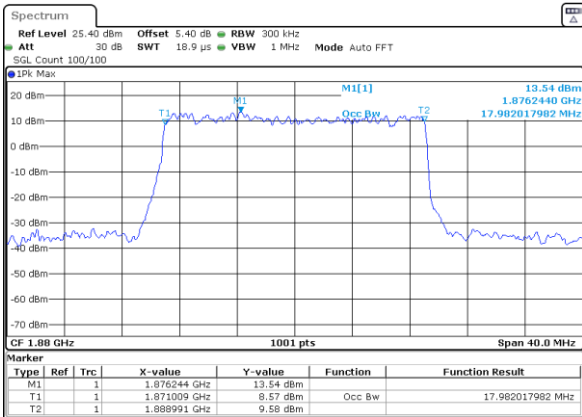
Middle Channel / 15MHz / 16QAM



Date: 23.FEB.2023 18:33:35

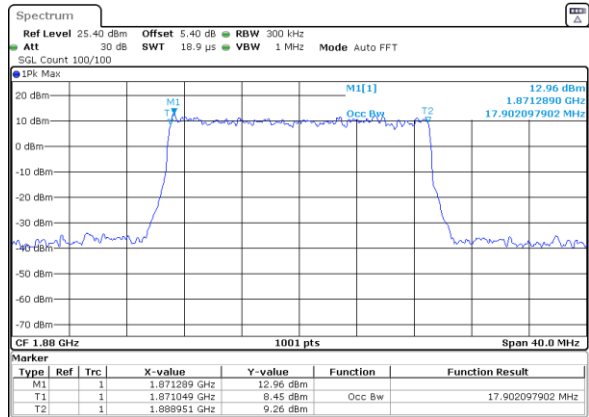
LTE Band 2

Middle Channel / 20MHz / QPSK



Date: 24.FEB.2023 10:11:43

Middle Channel / 20MHz / 16QAM

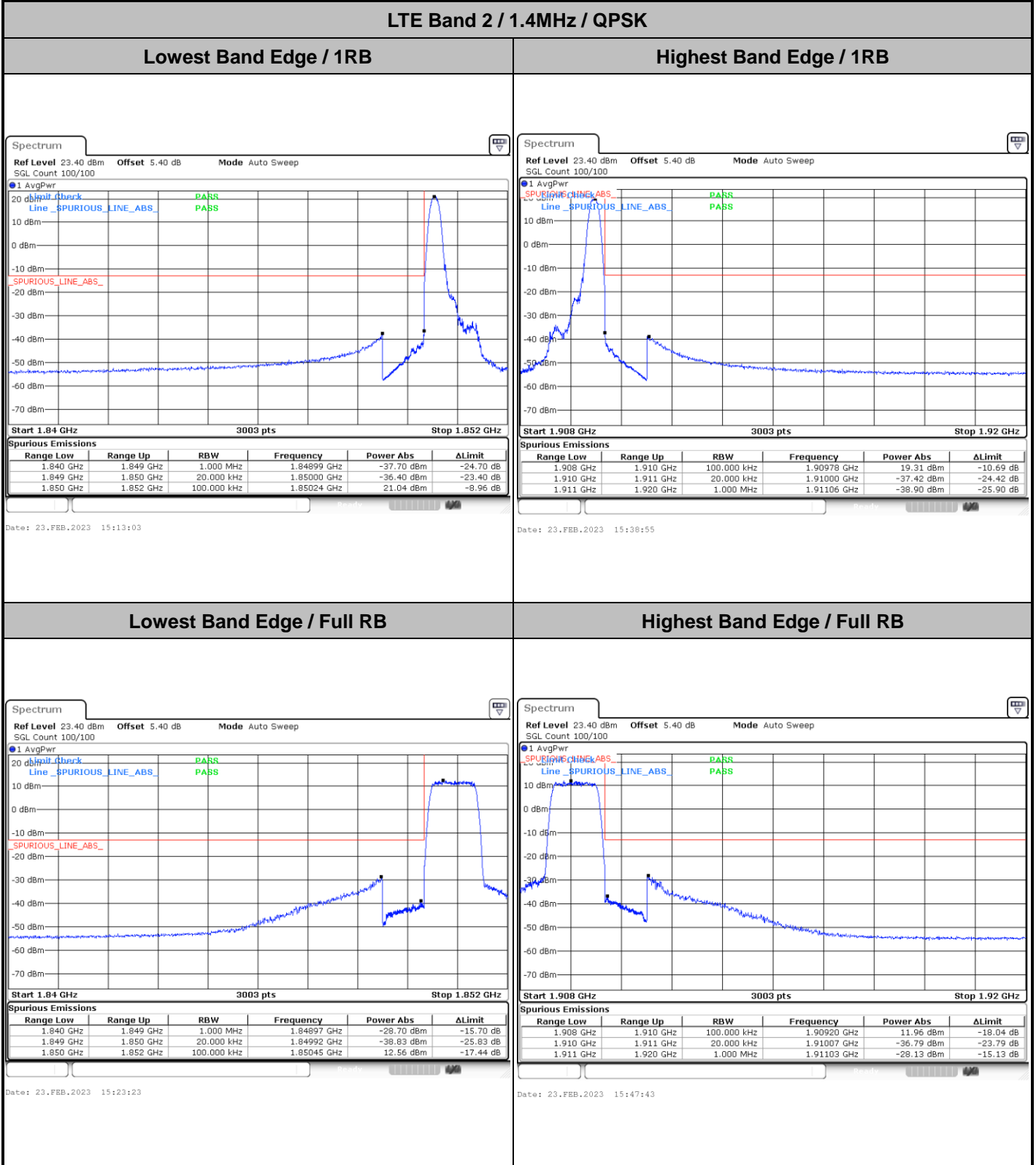


Date: 24.FEB.2023 10:12:03





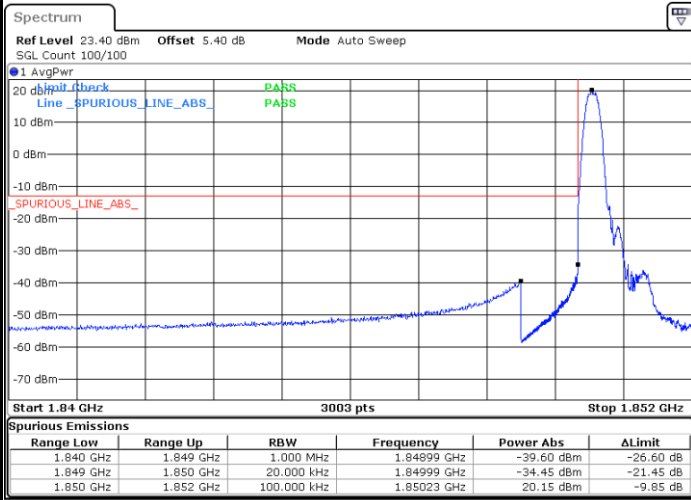
# Conducted Band Edge





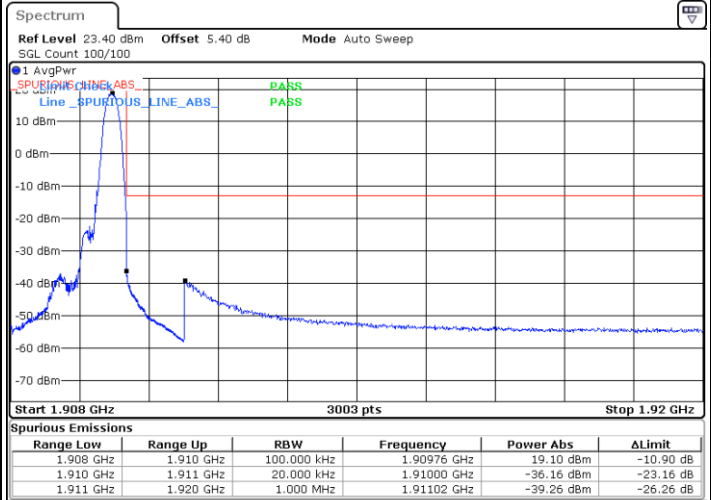
LTE Band 2 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



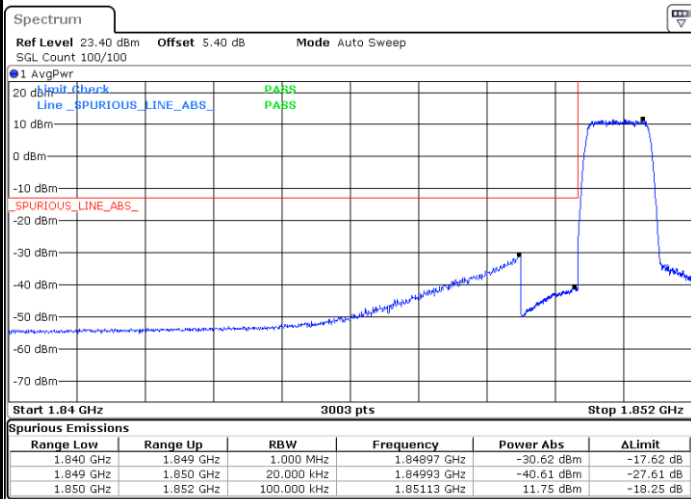
Date: 23.FEB.2023 15:16:28

Highest Band Edge / 1 RB



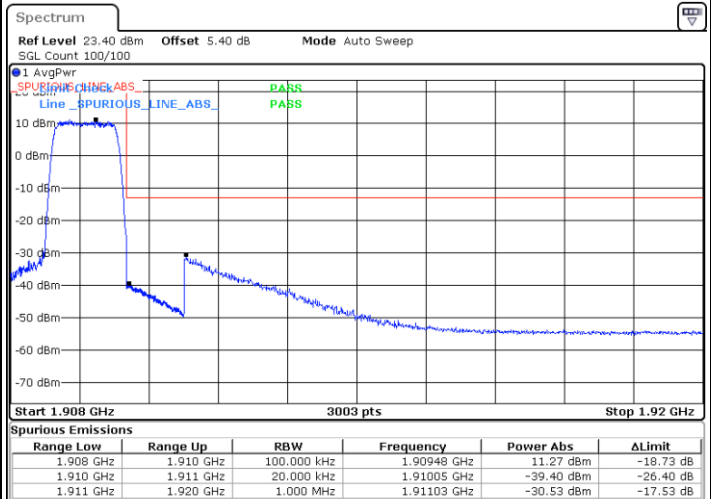
Date: 23.FEB.2023 15:40:31

Lowest Band Edge / Full RB



Date: 23.FEB.2023 15:25:30

Highest Band Edge / Full RB

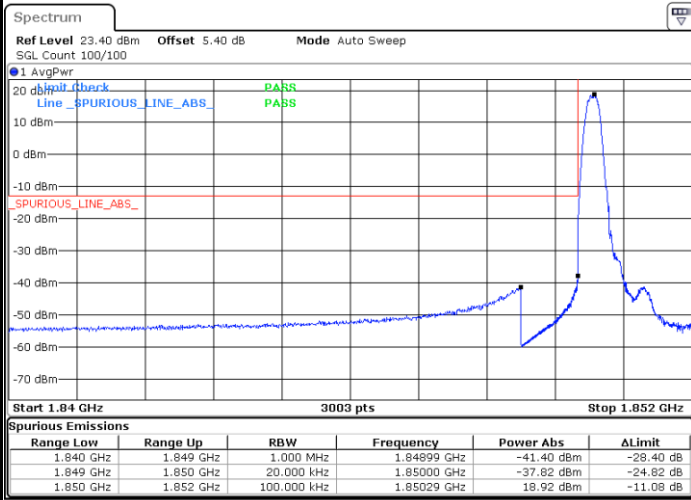


Date: 23.FEB.2023 15:49:12



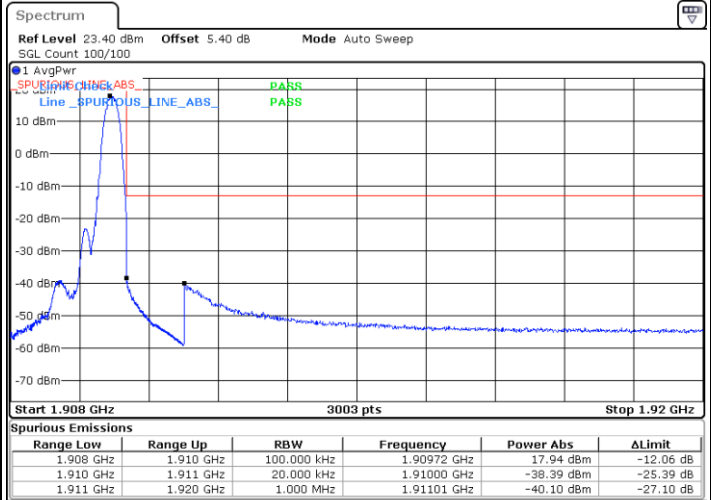
LTE Band 2 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



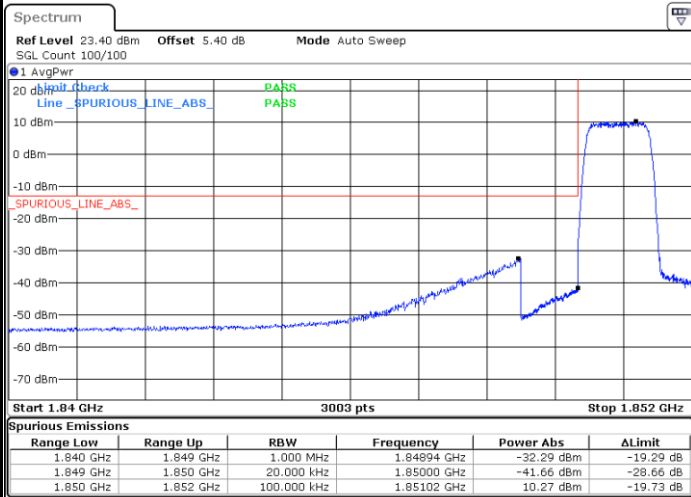
Date: 23.FEB.2023 15:21:56

Highest Band Edge / 1 RB



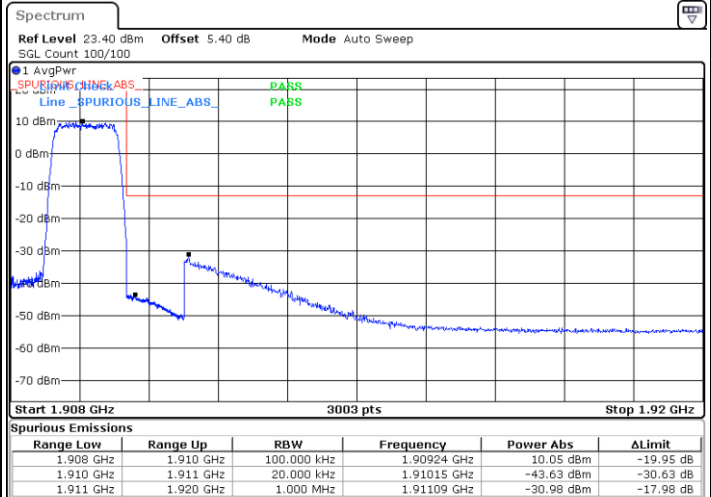
Date: 23.FEB.2023 15:44:08

Lowest Band Edge / Full RB



Date: 23.FEB.2023 15:29:47

Highest Band Edge / Full RB

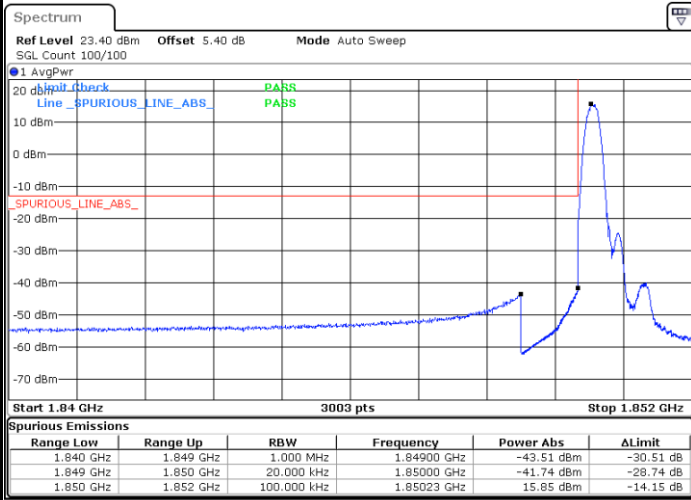


Date: 23.FEB.2023 15:58:57



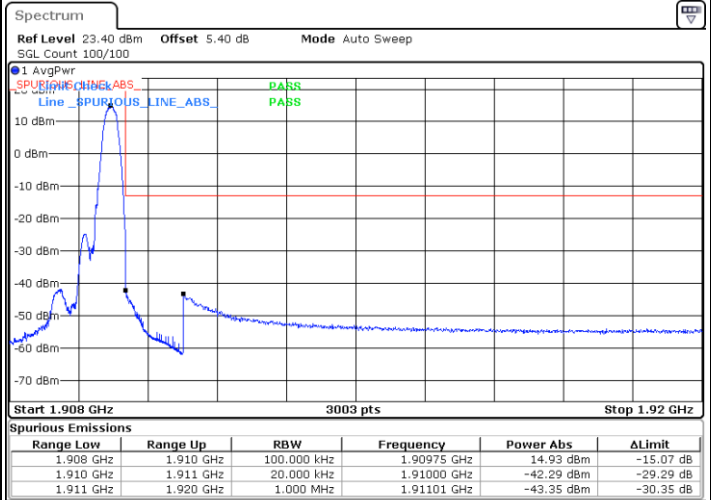
LTE Band 2 / 1.4MHz /256QAM

Lowest Band Edge / 1 RB



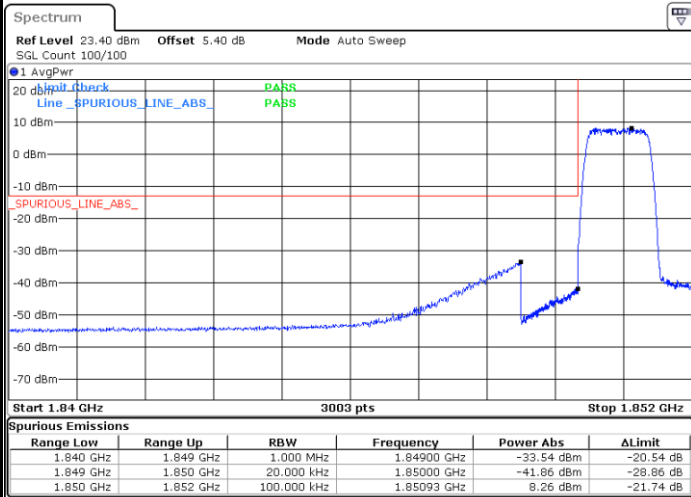
Date: 23.FEB.2023 15:18:41

Highest Band Edge / 1 RB



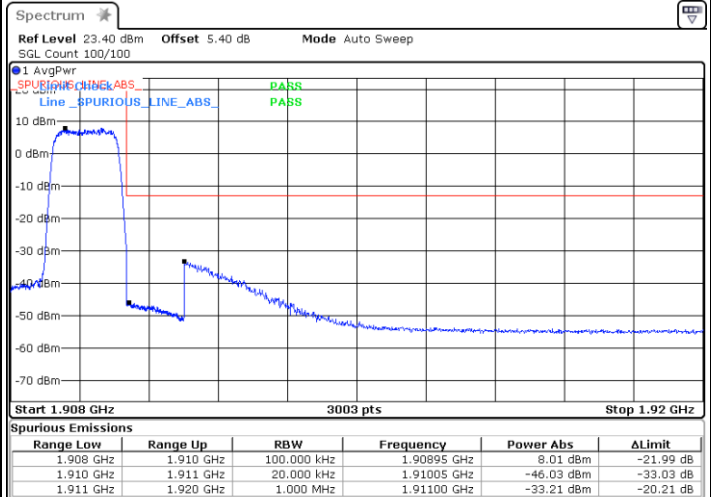
Date: 23.FEB.2023 15:42:27

Lowest Band Edge / Full RB



Date: 23.FEB.2023 15:28:04

Highest Band Edge / Full RB

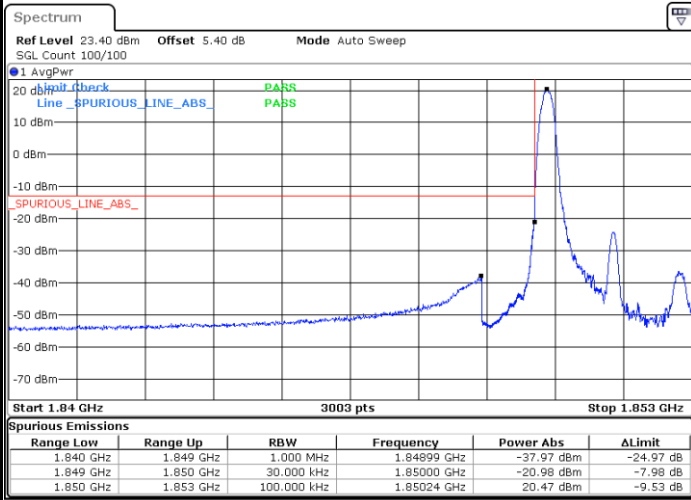


Date: 23.FEB.2023 15:55:43



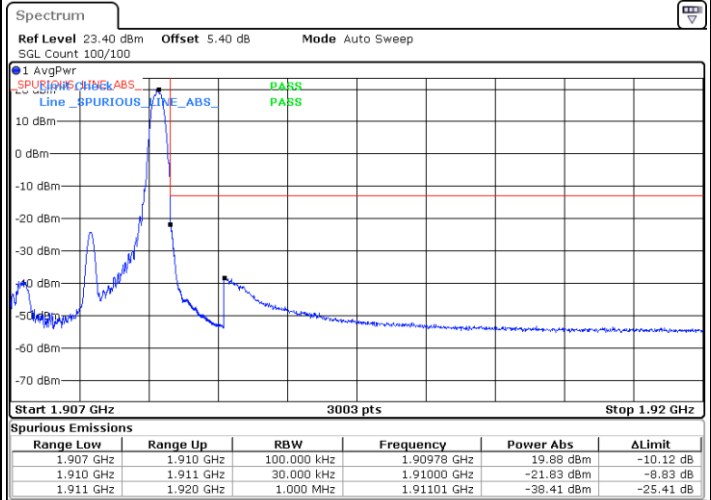
LTE Band 2 / 3MHz / QPSK

Lowest Band Edge / 1RB



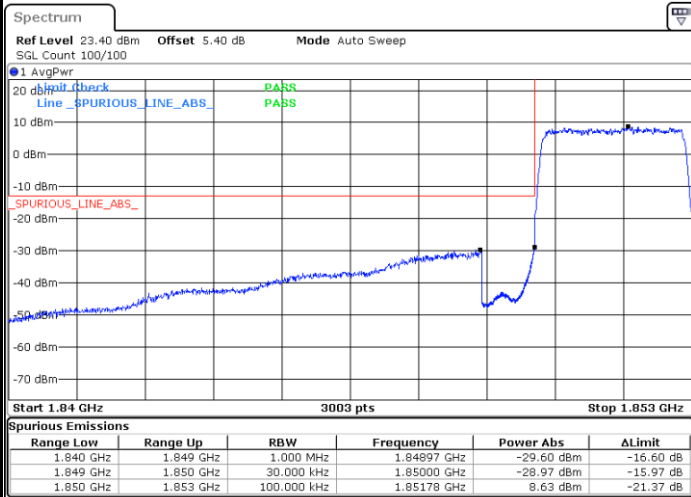
Date: 23.FEB.2023 16:02:36

Highest Band Edge / 1 RB



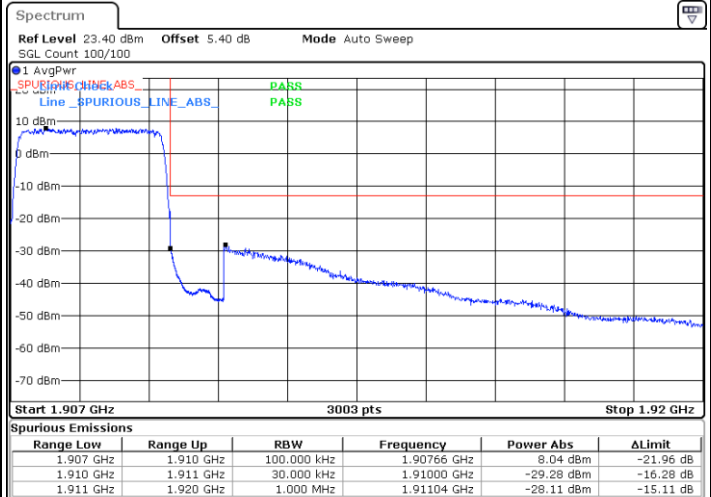
Date: 23.FEB.2023 16:49:39

Lowest Band Edge / Full RB



Date: 23.FEB.2023 16:14:13

Highest Band Edge / Full RB



Date: 23.FEB.2023 16:56:35