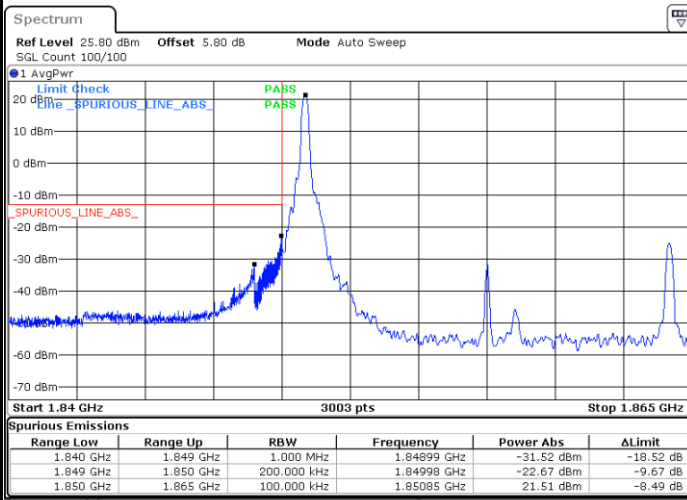




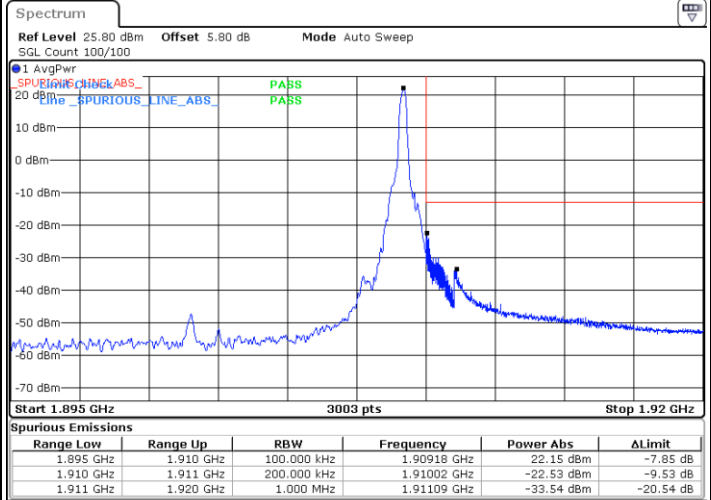
LTE Band 2 / 15MHz / QPSK

Lowest Band Edge / 1 RB



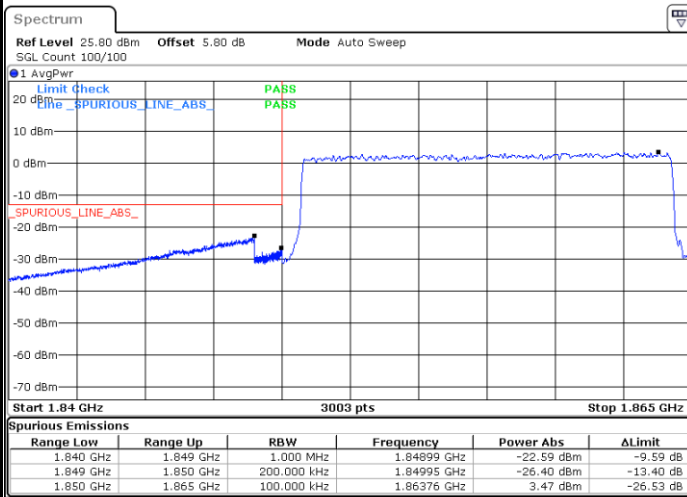
Date: 14.MAR.2024 02:50:34

Highest Band Edge / 1 RB



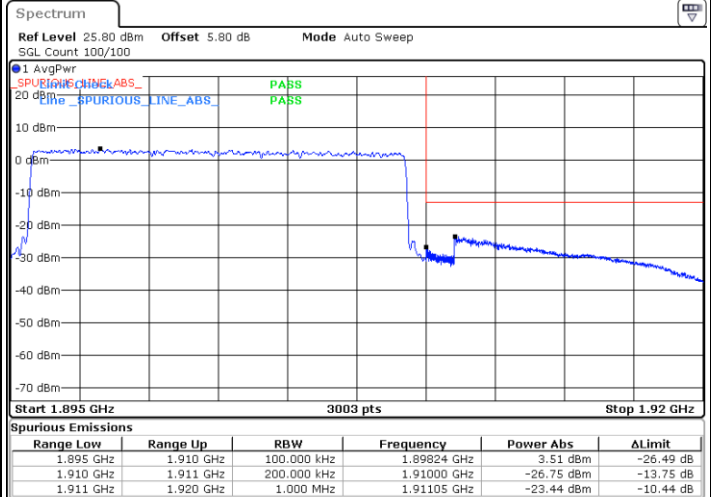
Date: 14.MAR.2024 02:58:39

Lowest Band Edge / Full RB



Date: 14.MAR.2024 02:53:22

Highest Band Edge / Full RB

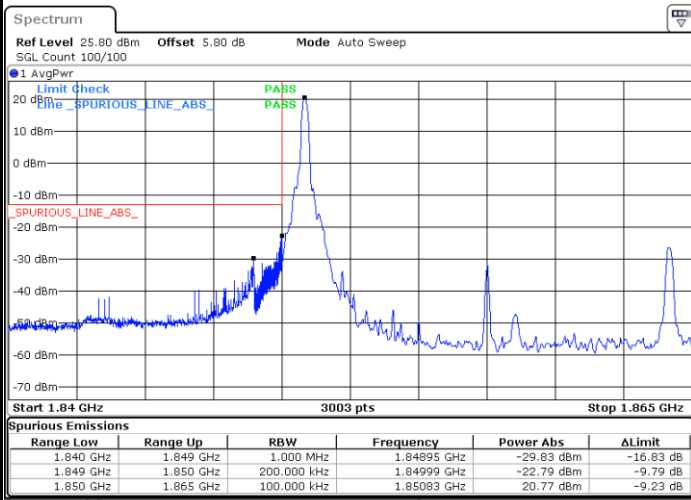


Date: 14.MAR.2024 03:01:26



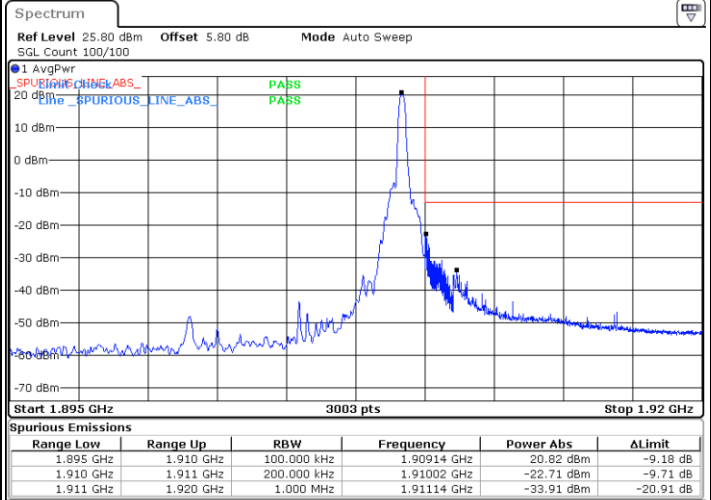
LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



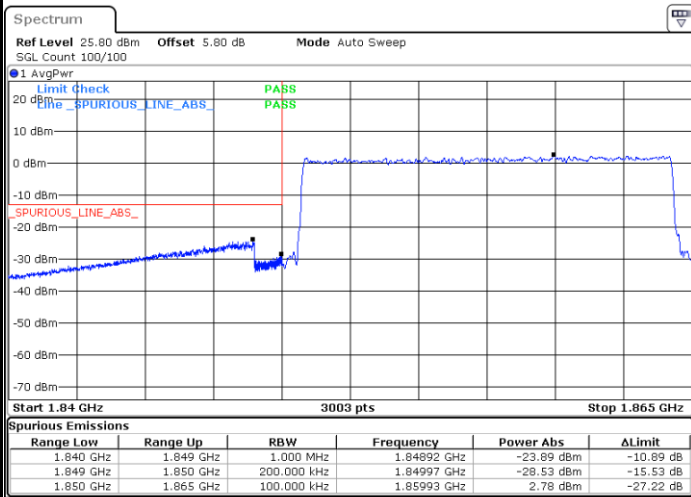
Date: 14.MAR.2024 02:51:30

Highest Band Edge / 1 RB



Date: 14.MAR.2024 02:59:35

Lowest Band Edge / Full RB



Date: 14.MAR.2024 02:54:17

Highest Band Edge / Full RB

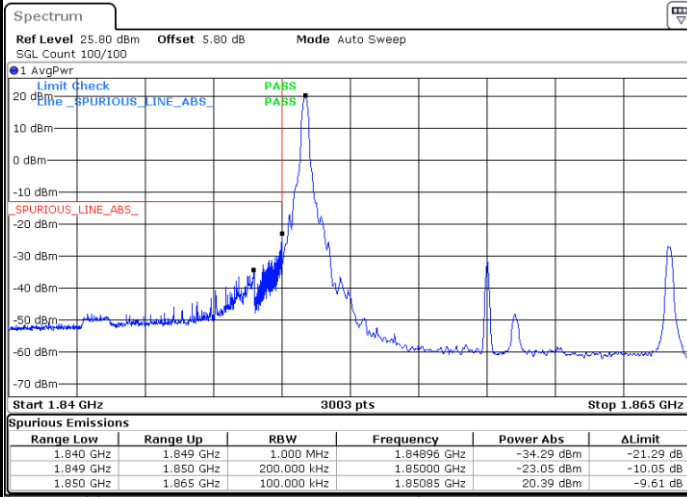


Date: 14.MAR.2024 03:02:22



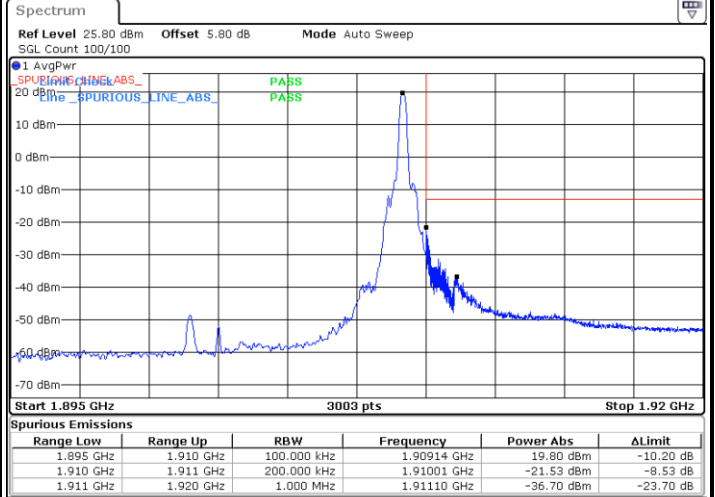
LTE Band 2 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



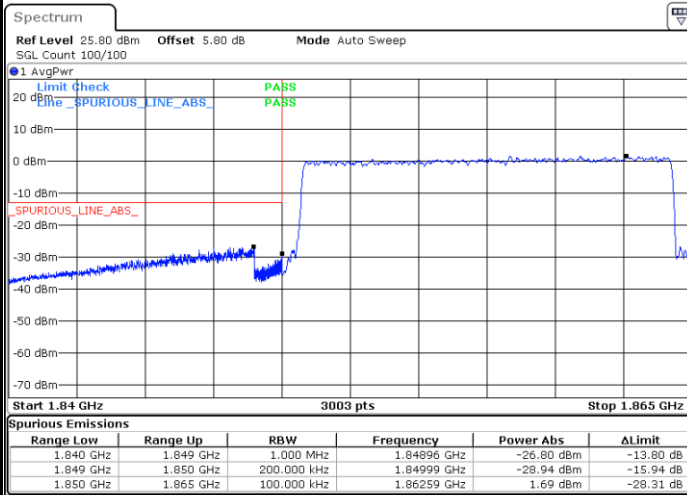
Date: 14.MAR.2024 02:52:26

Highest Band Edge / 1 RB



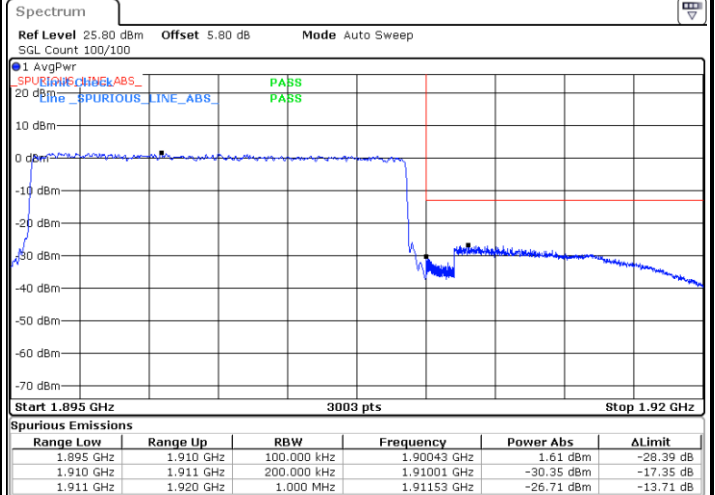
Date: 14.MAR.2024 03:00:31

Lowest Band Edge / Full RB



Date: 14.MAR.2024 02:55:13

Highest Band Edge / Full RB

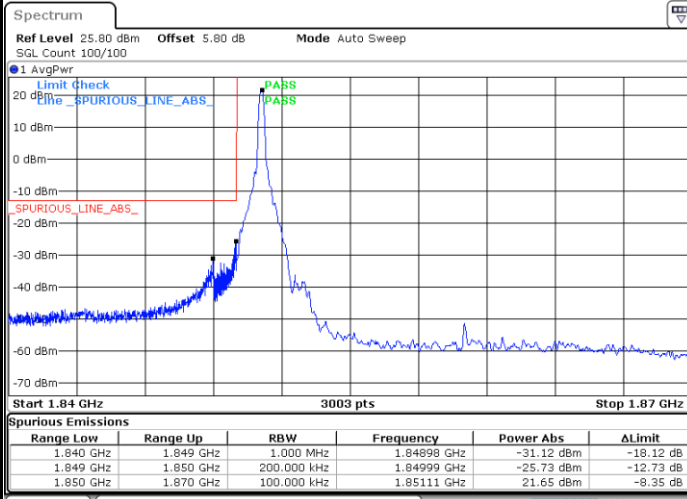


Date: 14.MAR.2024 03:03:18



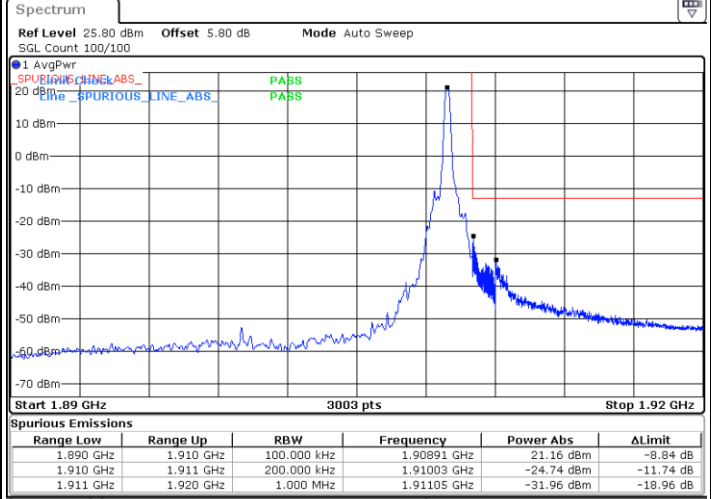
LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB



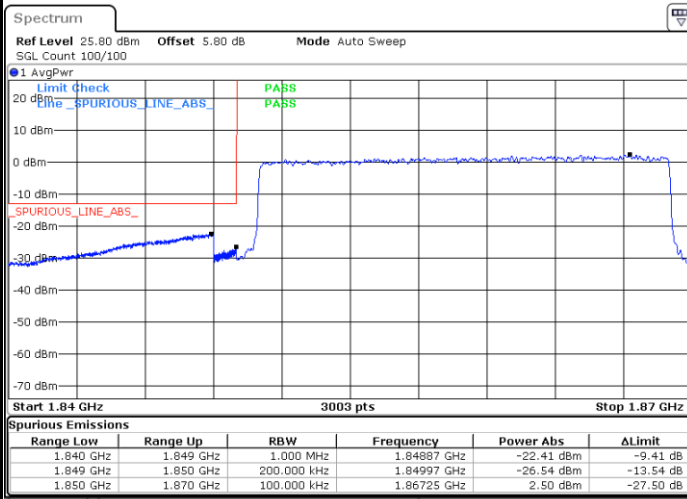
Date: 14.MAR.2024 03:06:00

Highest Band Edge / 1 RB



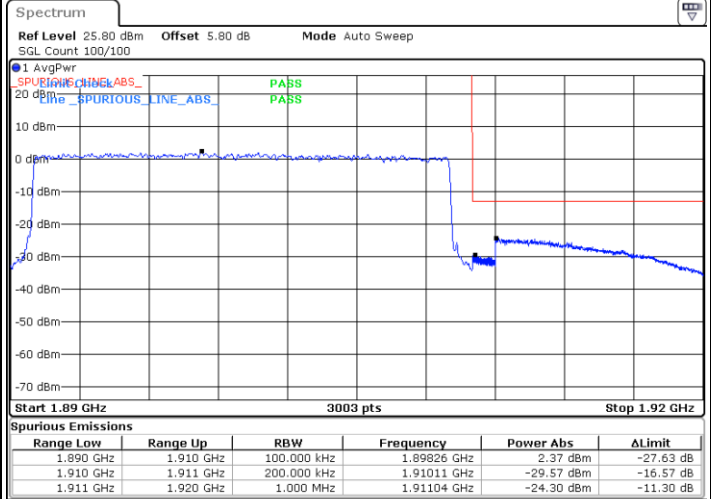
Date: 14.MAR.2024 03:14:05

Lowest Band Edge / Full RB



Date: 14.MAR.2024 03:08:48

Highest Band Edge / Full RB

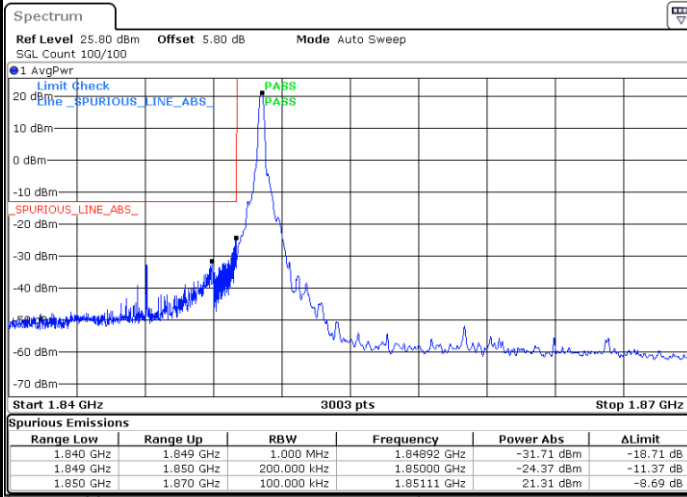


Date: 14.MAR.2024 03:16:53



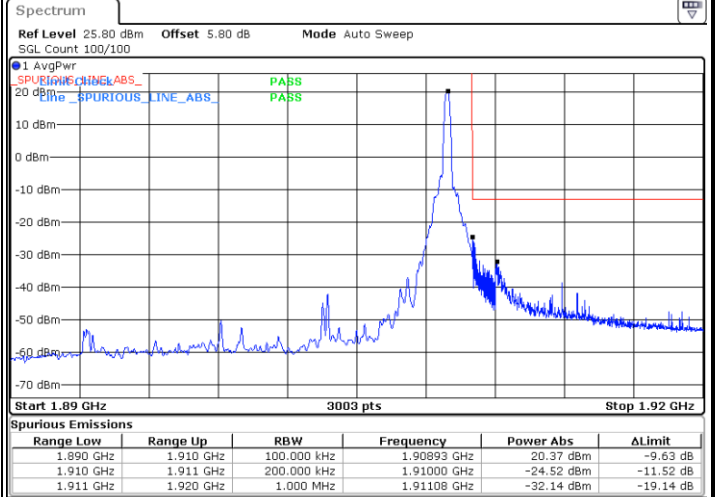
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



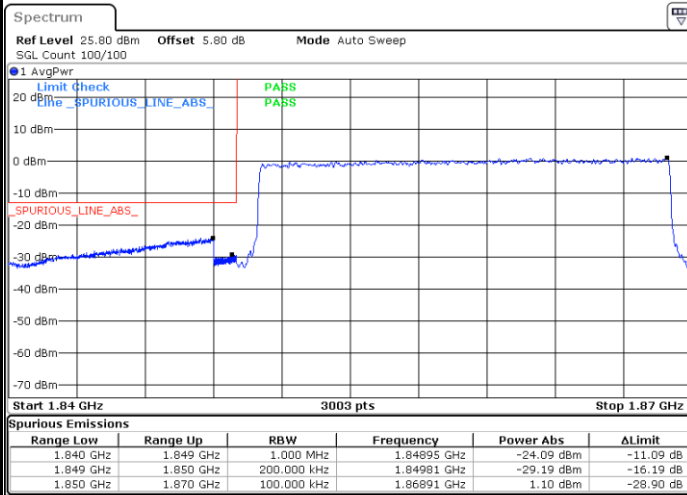
Date: 14.MAR.2024 03:06:56

Highest Band Edge / 1 RB



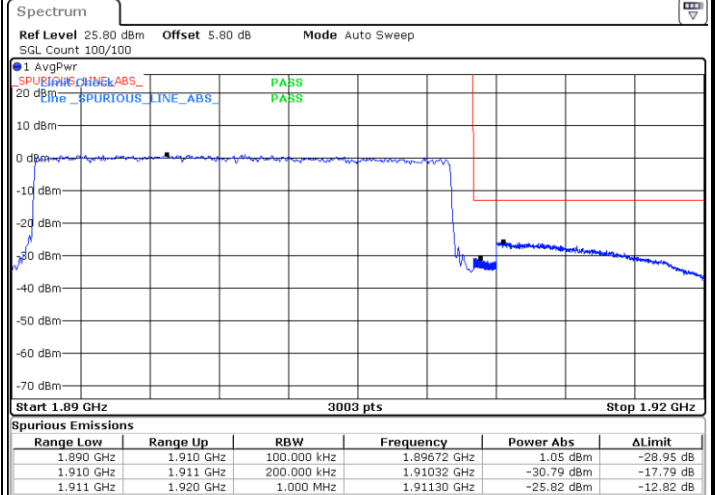
Date: 14.MAR.2024 03:15:01

Lowest Band Edge / Full RB



Date: 14.MAR.2024 03:09:44

Highest Band Edge / Full RB

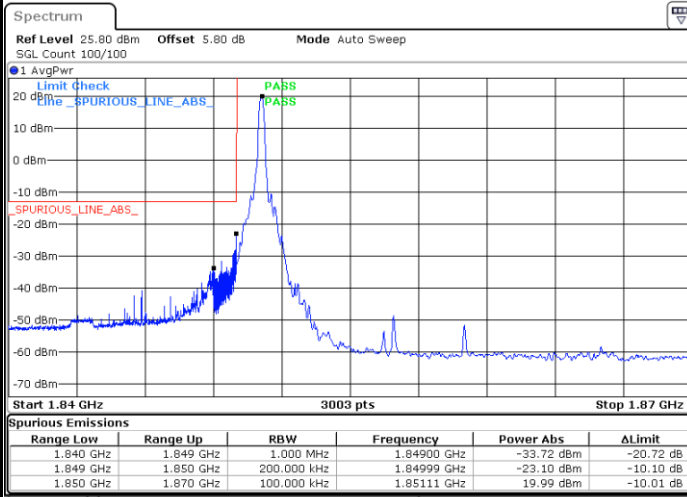


Date: 14.MAR.2024 03:17:48



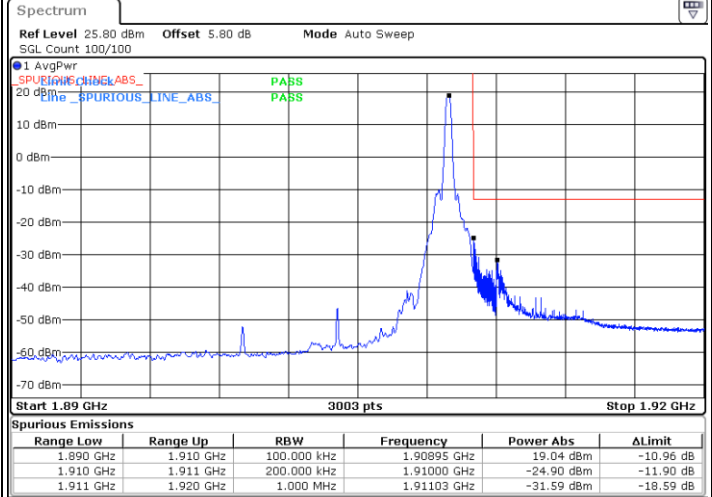
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



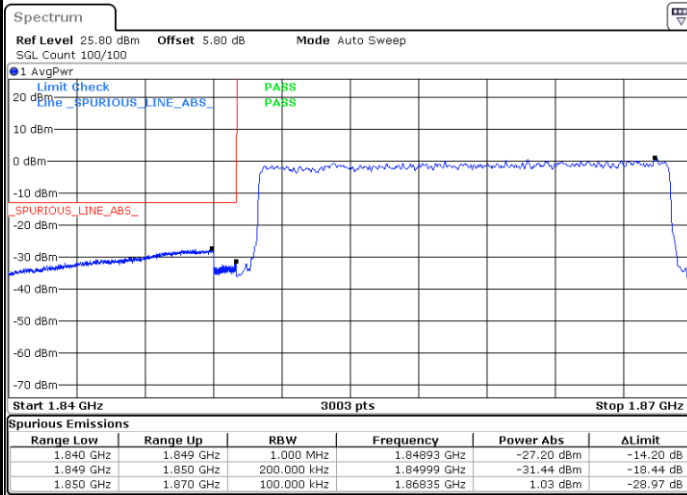
Date: 14.MAR.2024 03:07:52

Highest Band Edge / 1 RB



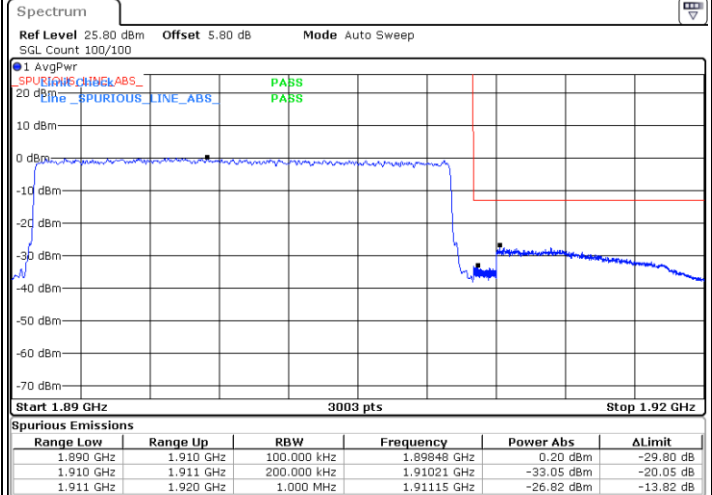
Date: 14.MAR.2024 03:15:57

Lowest Band Edge / Full RB



Date: 14.MAR.2024 03:10:39

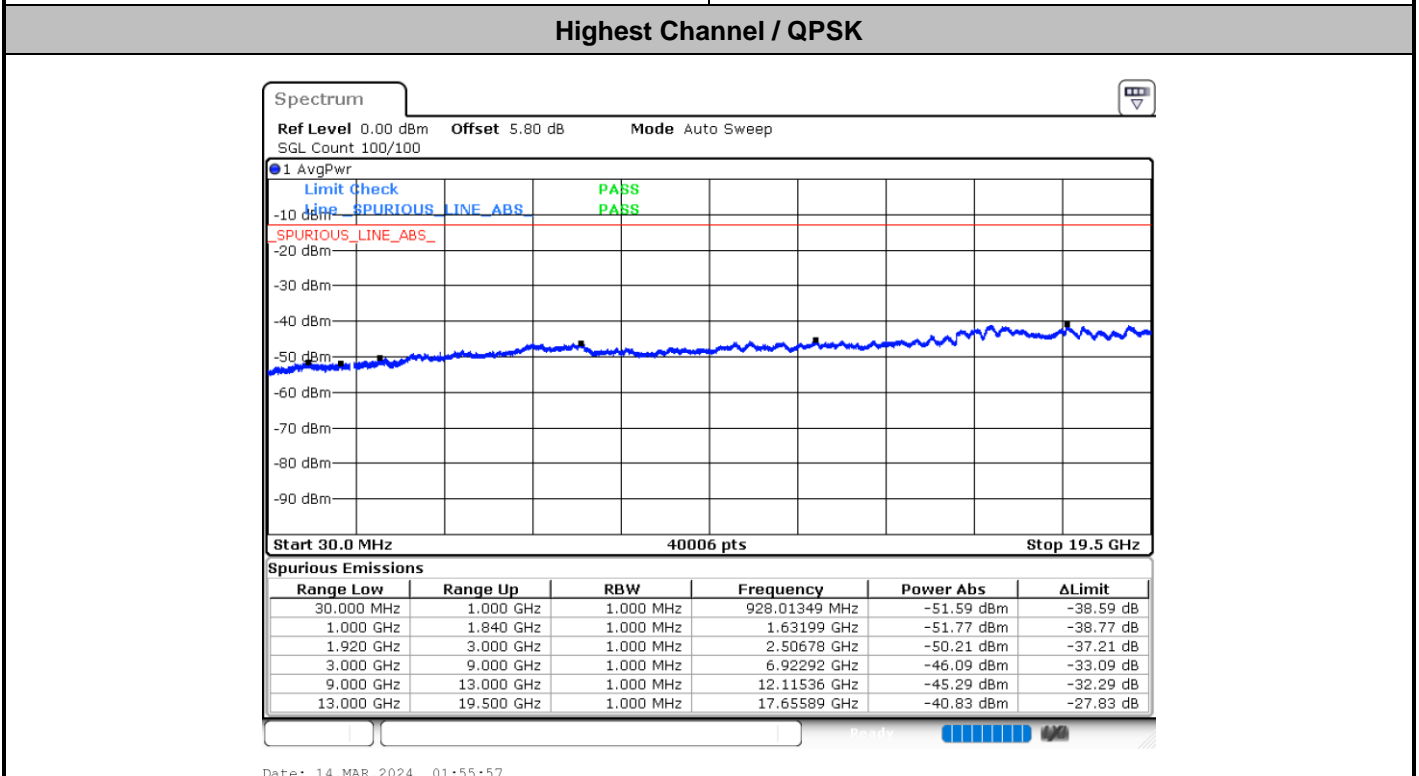
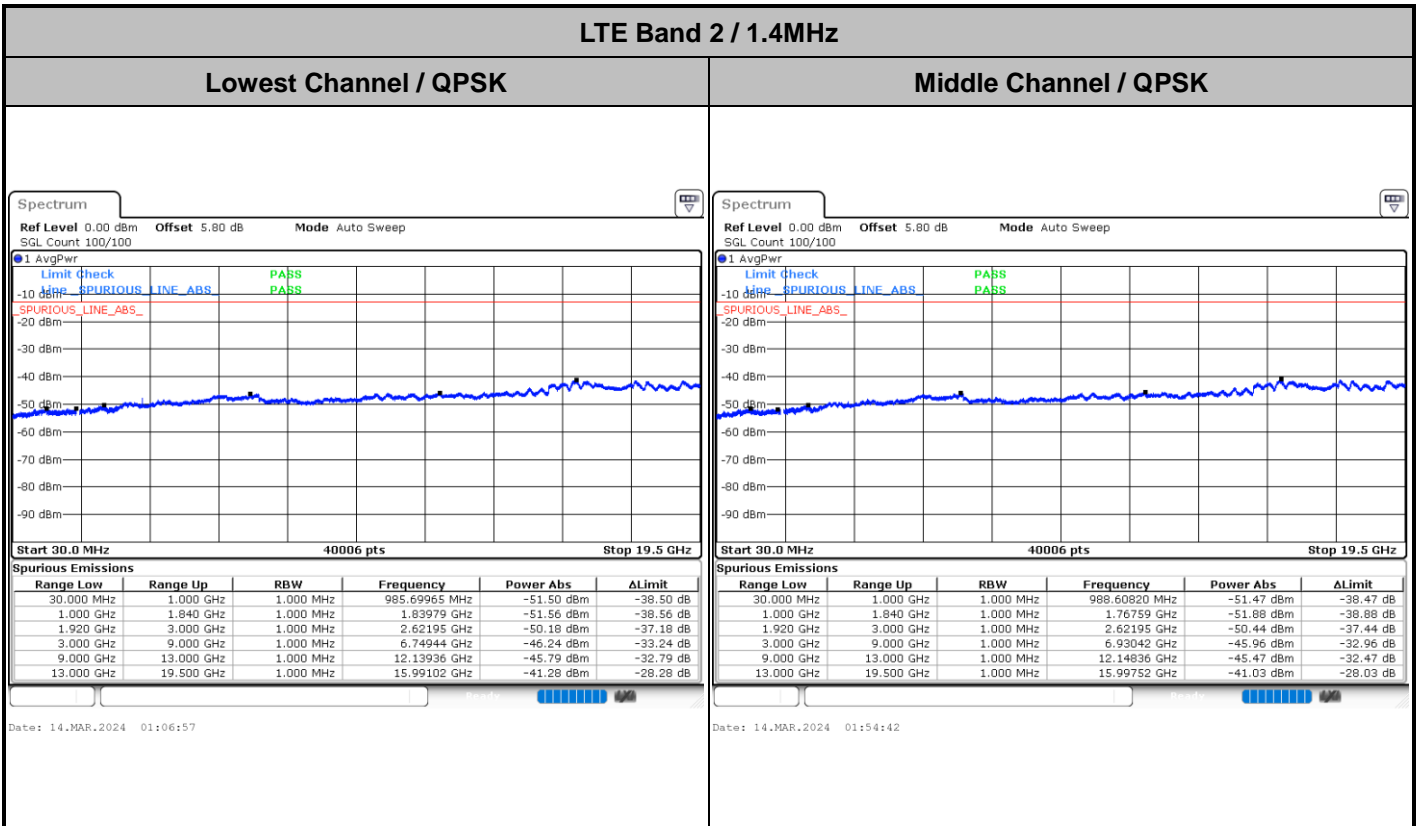
Highest Band Edge / Full RB



Date: 14.MAR.2024 03:18:44



Conducted Spurious Emission

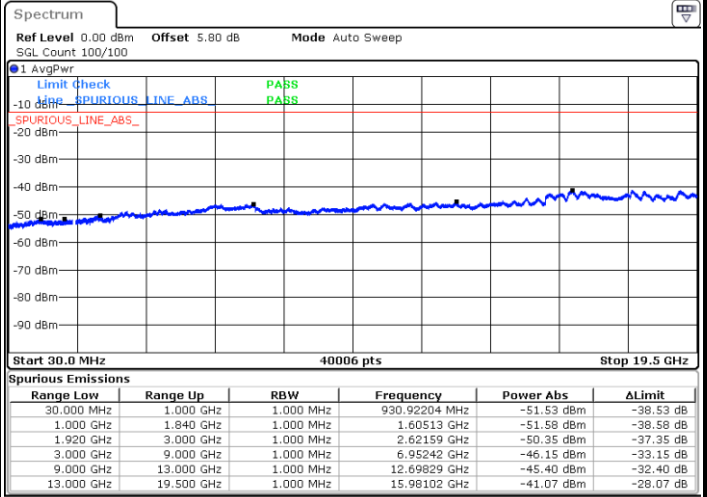
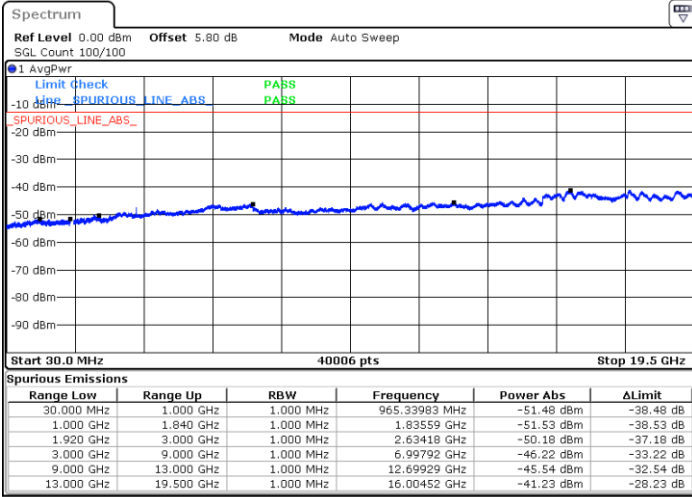




LTE Band 2 / 3MHz

Lowest Channel / QPSK

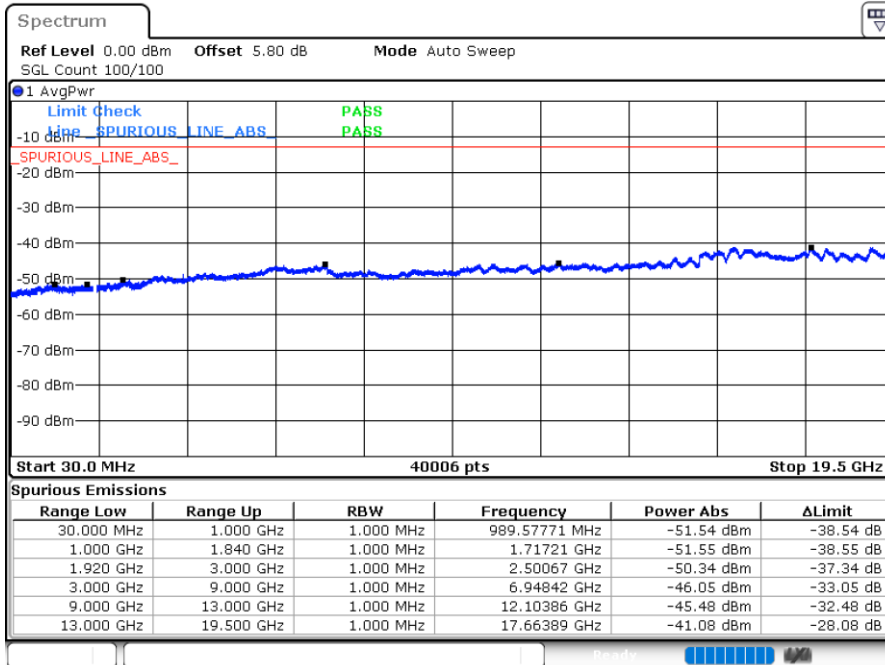
Middle Channel / QPSK



Date: 14.MAR.2024 02:03:30

Date: 14.MAR.2024 02:10:09

Highest Channel / QPSK

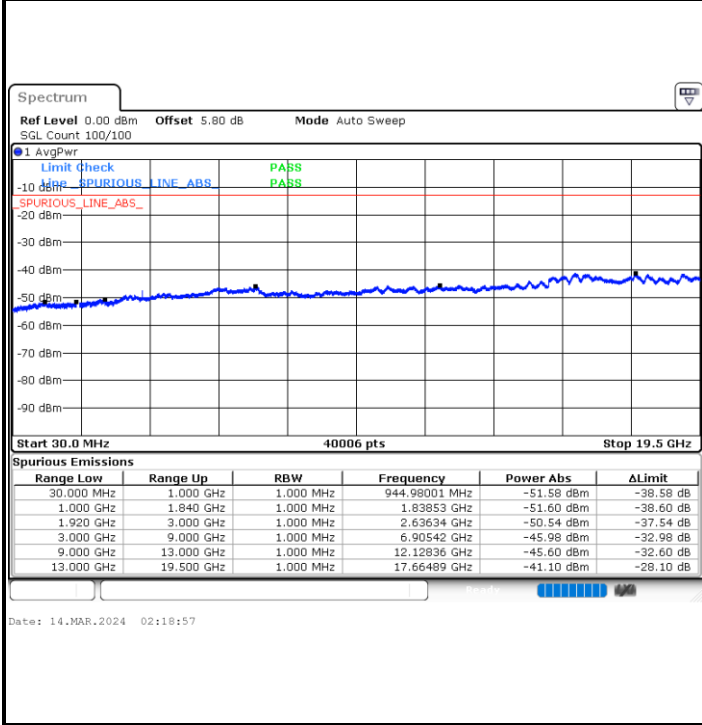


Date: 14.MAR.2024 02:11:23

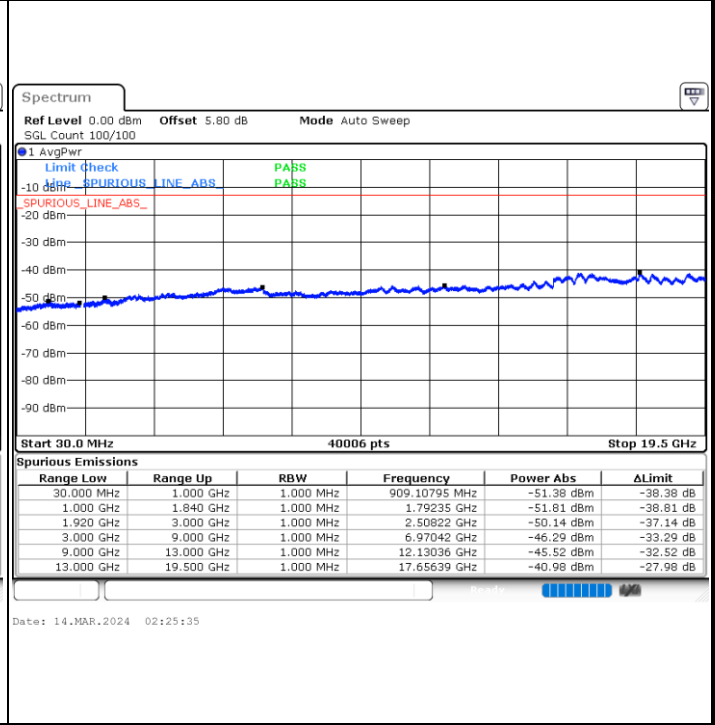


LTE Band 2 / 5MHz

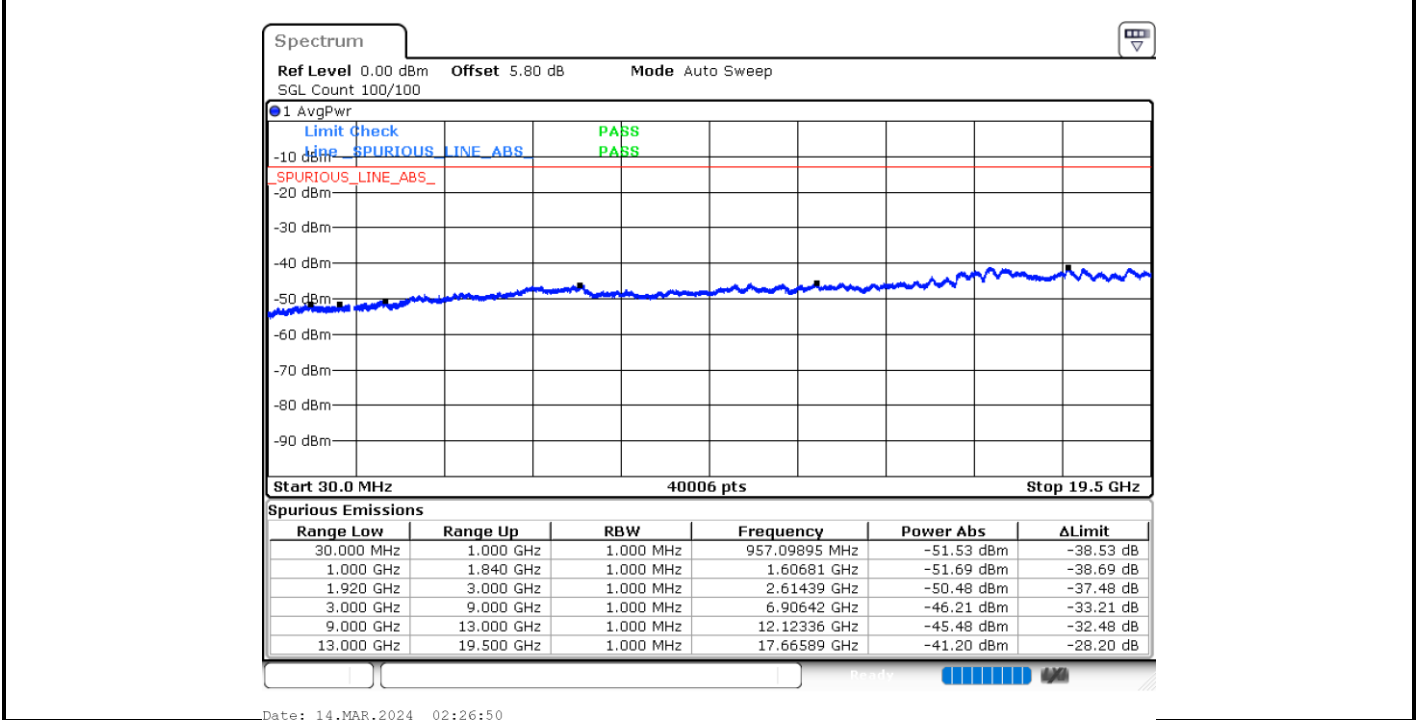
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

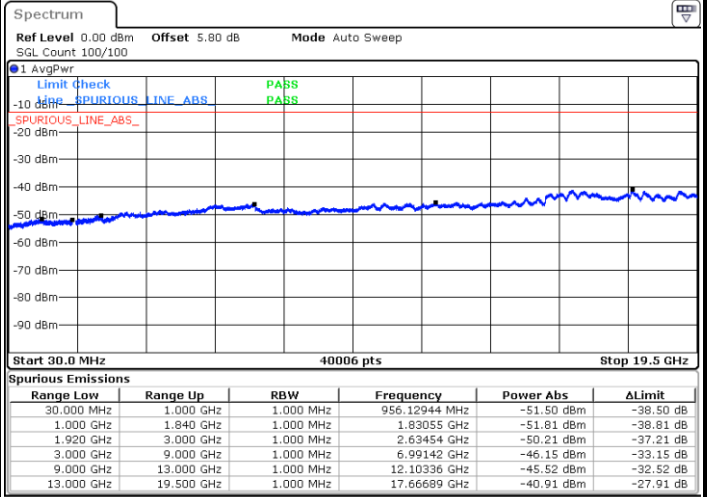
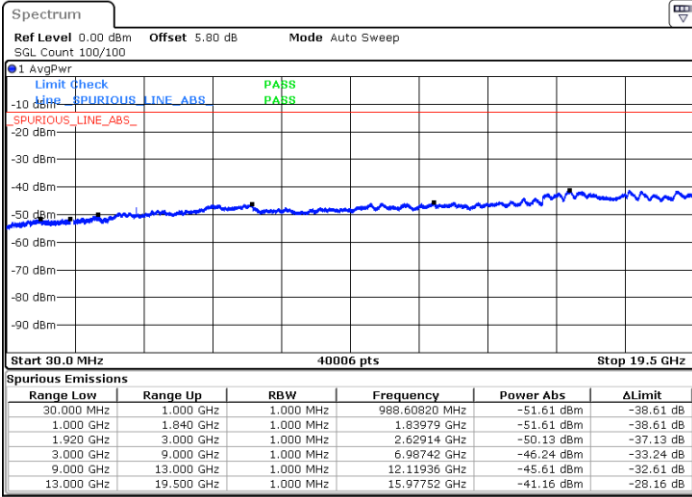




LTE Band 2 / 10MHz

Lowest Channel / QPSK

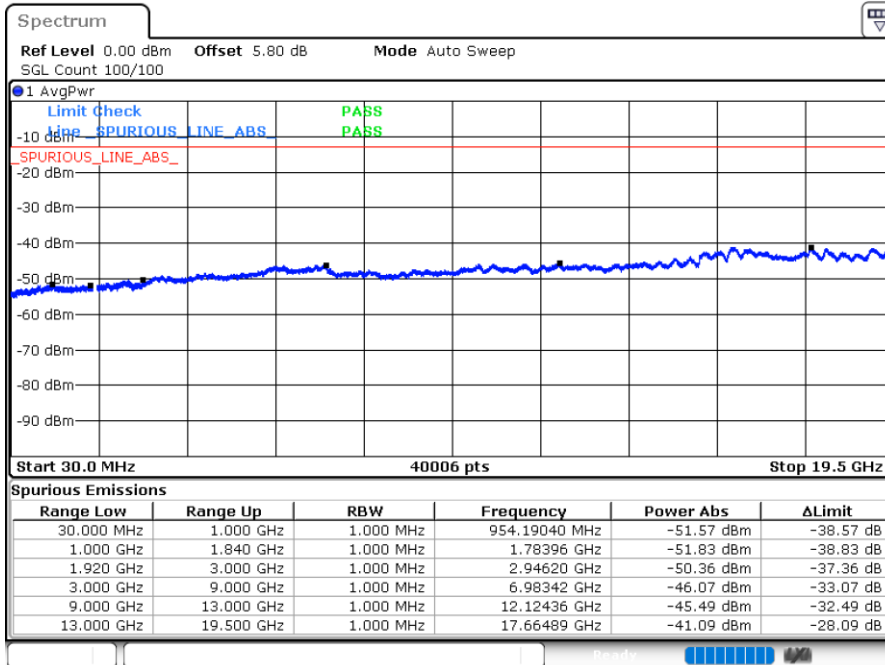
Middle Channel / QPSK



Date: 14.MAR.2024 02:34:24

Date: 14.MAR.2024 02:41:02

Highest Channel / QPSK



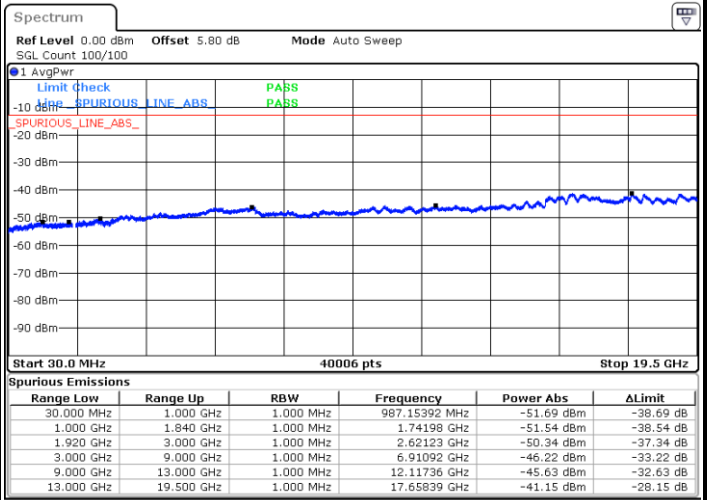
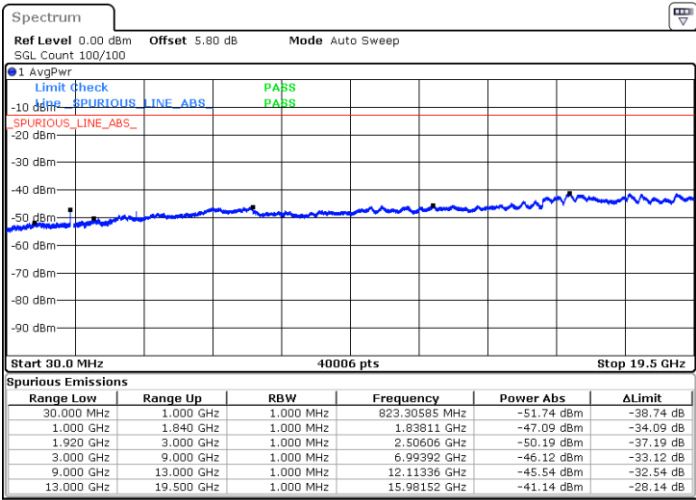
Date: 14.MAR.2024 02:42:17



LTE Band 2 / 15MHz

Lowest Channel / QPSK

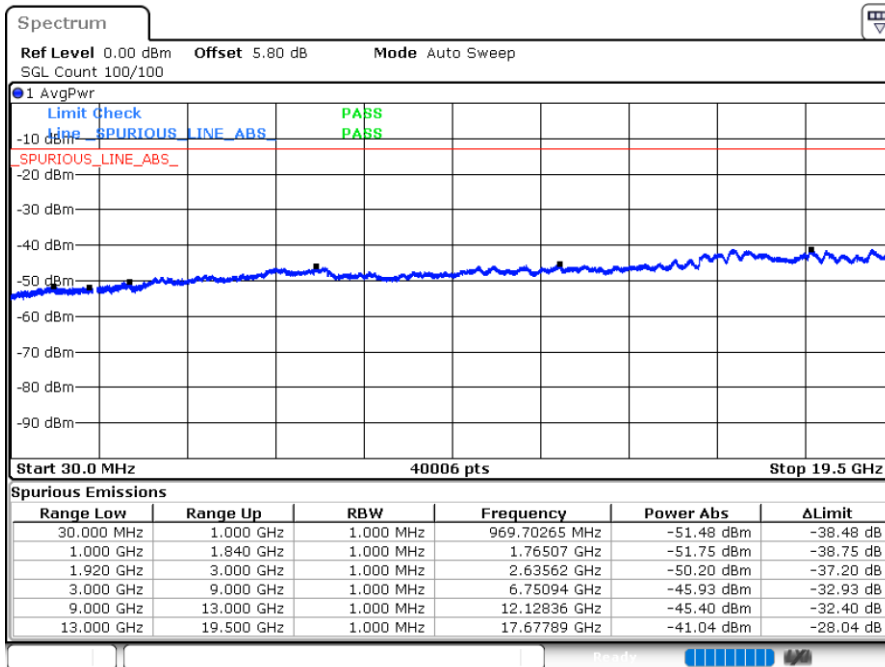
Middle Channel / QPSK



Date: 14.MAR.2024 02:49:50

Date: 14.MAR.2024 02:56:28

Highest Channel / QPSK



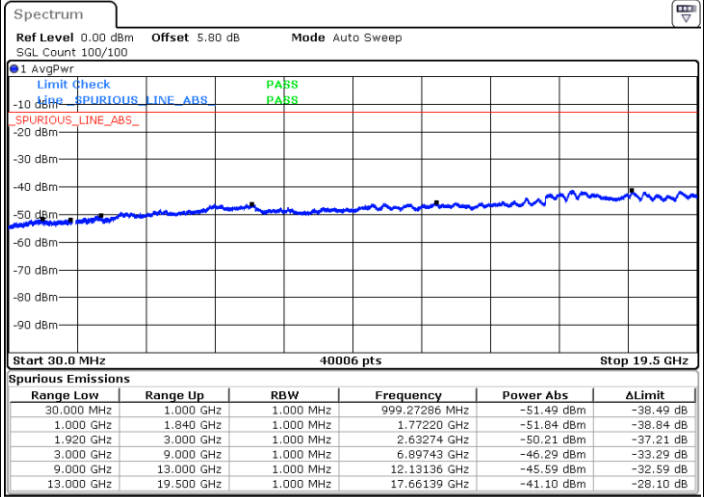
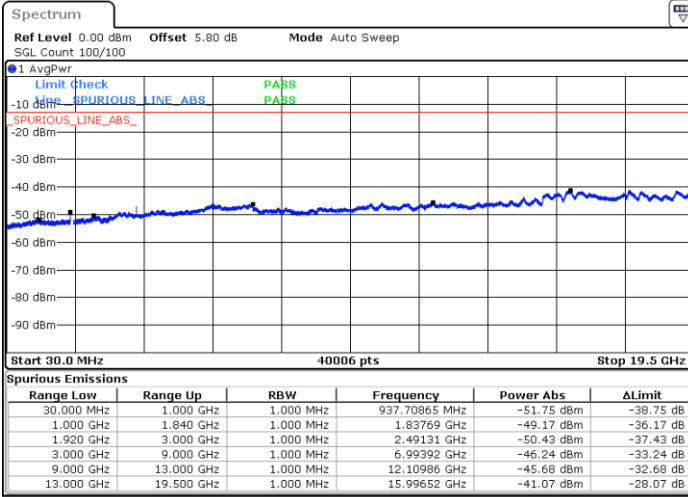
Date: 14.MAR.2024 02:57:43



LTE Band 2 / 20MHz

Lowest Channel / QPSK

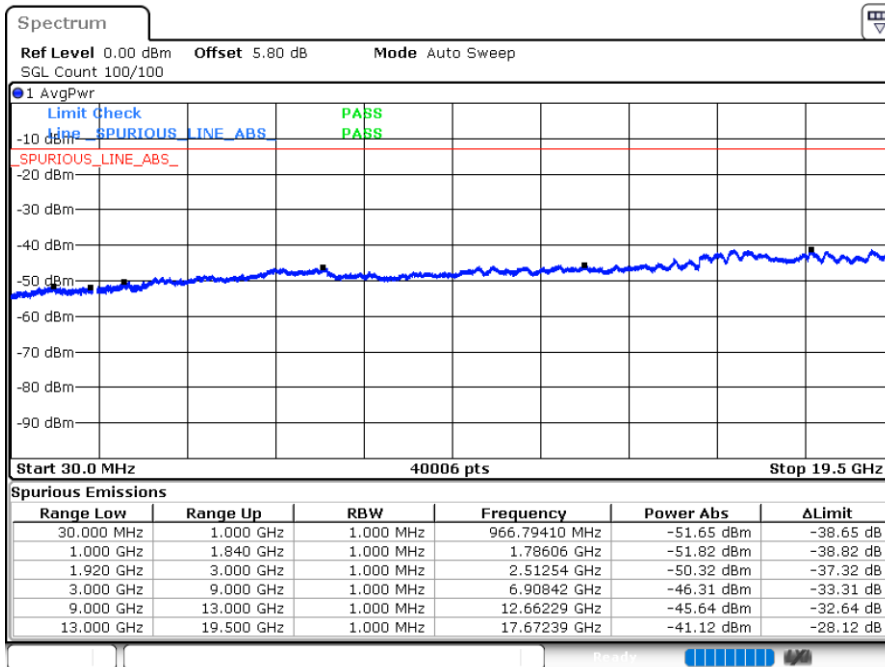
Middle Channel / QPSK



Date: 14.MAR.2024 03:05:16

Date: 14.MAR.2024 03:11:54

Highest Channel / QPSK



Date: 14.MAR.2024 03:13:09



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	0.0019	PASS
40	Normal Voltage	0.0044	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0018	
0	Normal Voltage	0.0042	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0029	
-30	Normal Voltage	0.0050	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0031	
20	Battery End Point	0.0026	

Note:

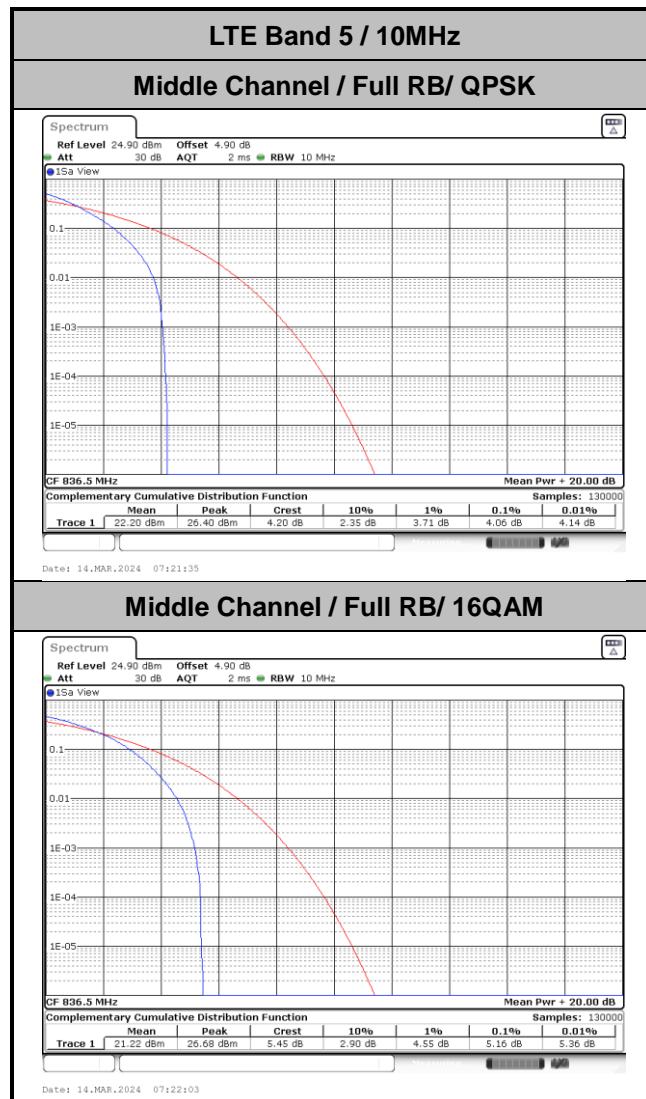
1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage = 4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

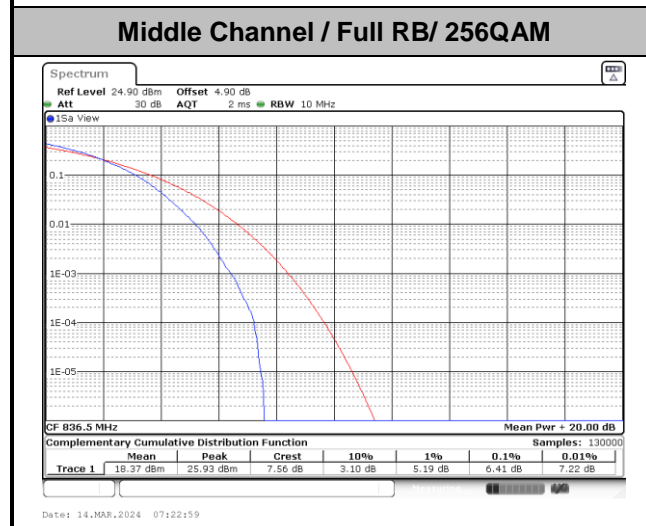
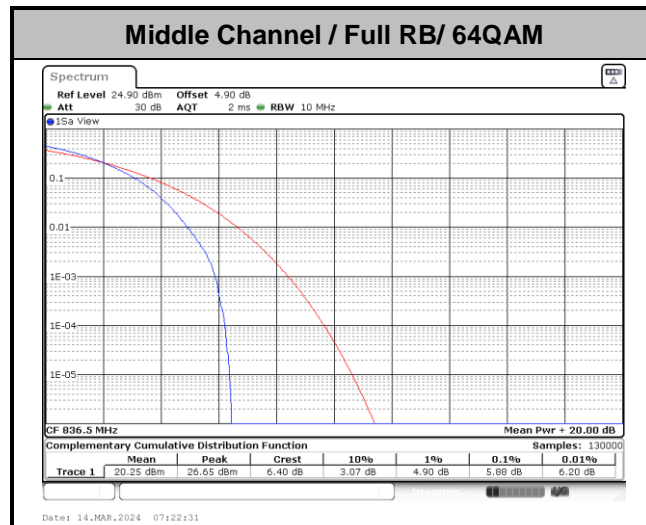


LTE Band 5 other PA (ENDC_5A_n78A)

Peak-to-Average Ratio

Mode	LTE Band 5 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256Q	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.06	5.16	5.88	6.41	PASS

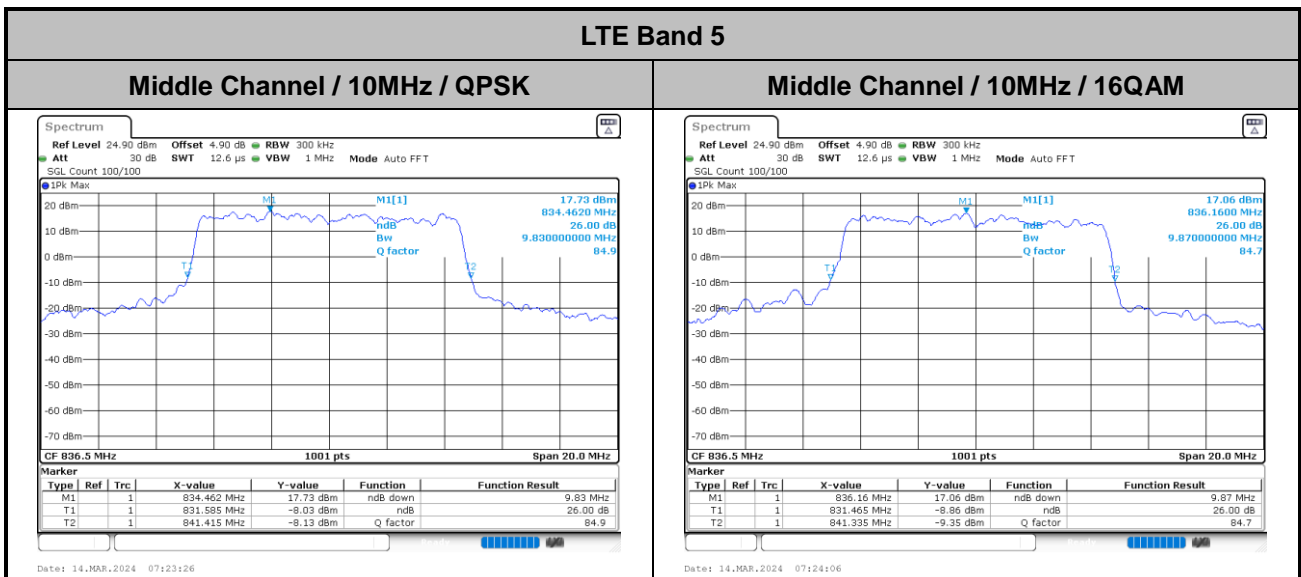






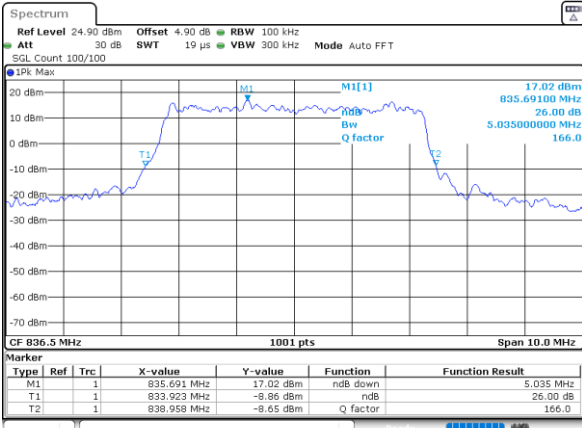
26dB Bandwidth

Mode	LTE Band 5 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.83	9.87
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	5.04	5.25
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.09	3.04
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.34	1.32



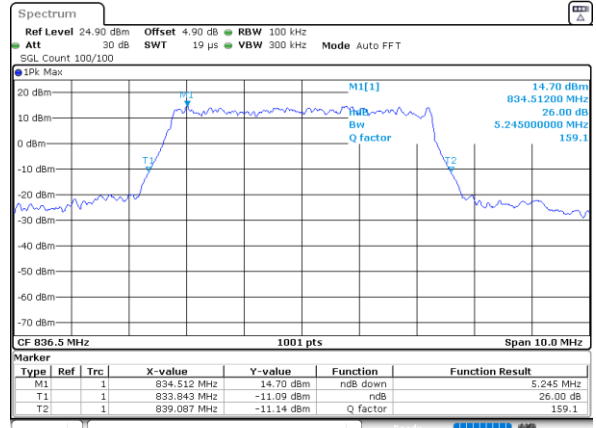


Middle Channel / 5MHz / QPSK



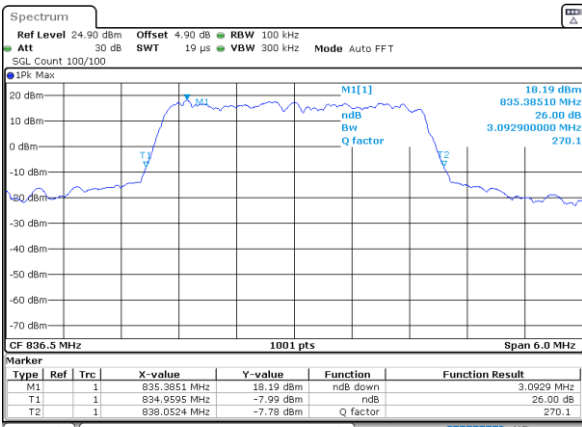
Date: 14.MAR.2024 07:33:52

Middle Channel / 5MHz / 16QAM



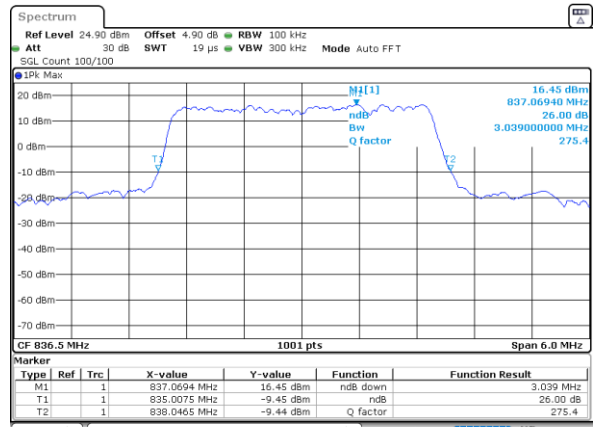
Date: 14.MAR.2024 07:34:18

Middle Channel / 3MHz / QPSK



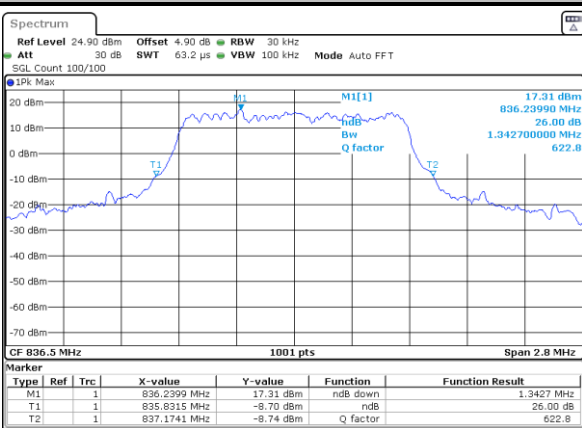
Date: 14.MAR.2024 07:31:13

Middle Channel / 3MHz / 16QAM



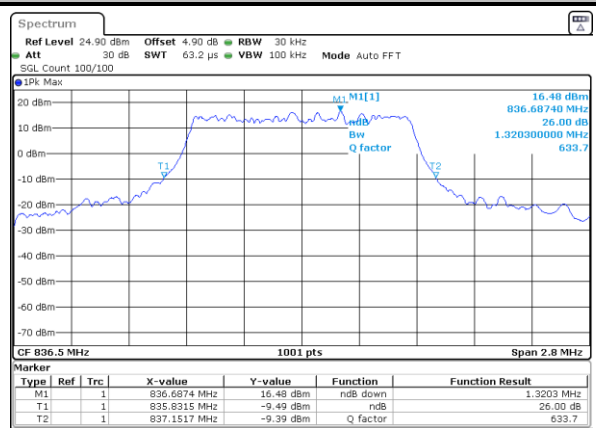
Date: 14.MAR.2024 07:31:39

Middle Channel / 1.4MHz / QPSK



Date: 14.MAR.2024 07:26:43

Middle Channel / 1.4MHz / 16QAM

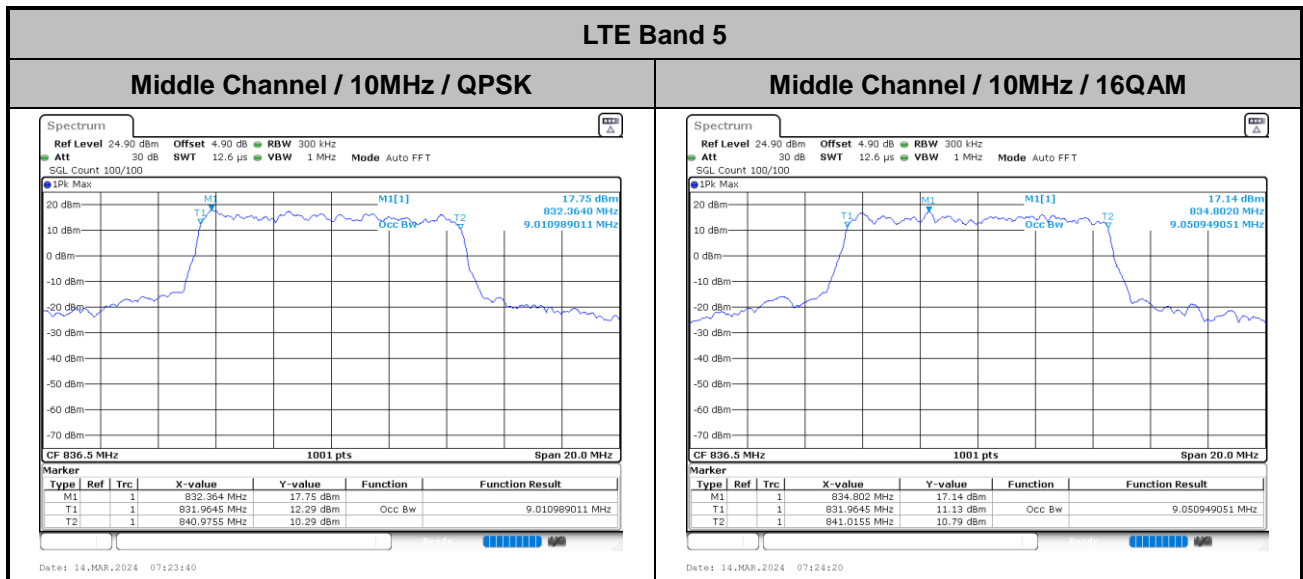


Date: 14.MAR.2024 07:27:09



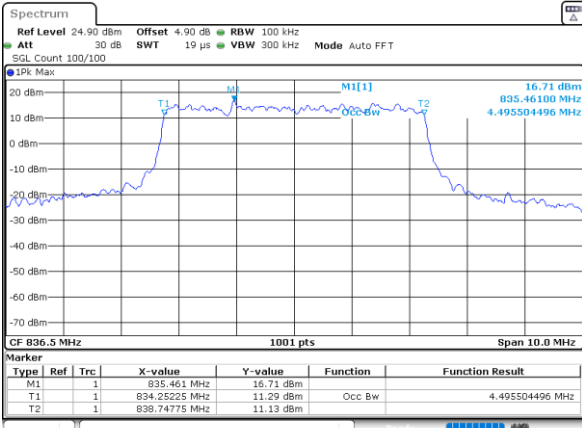
Occupied Bandwidth

Mode	LTE Band 5 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.01	9.05
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.50	4.49
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.71	2.73
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	1.11

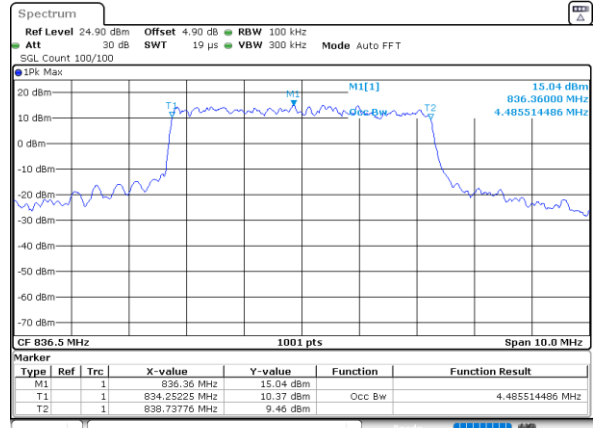




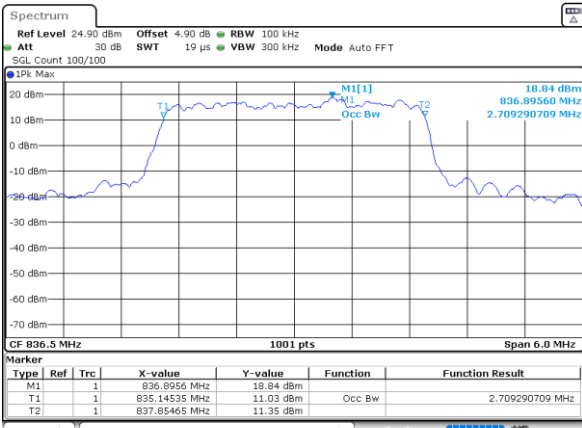
Middle Channel / 5MHz / QPSK



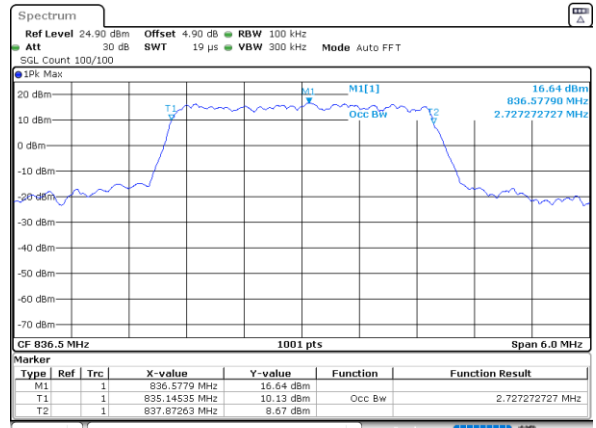
Middle Channel / 5MHz / 16QAM



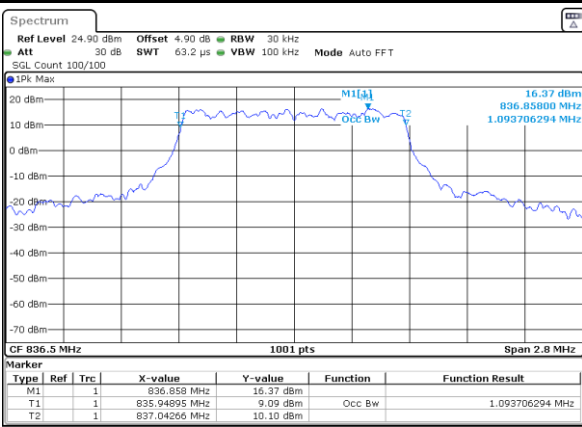
Middle Channel / 3MHz / QPSK



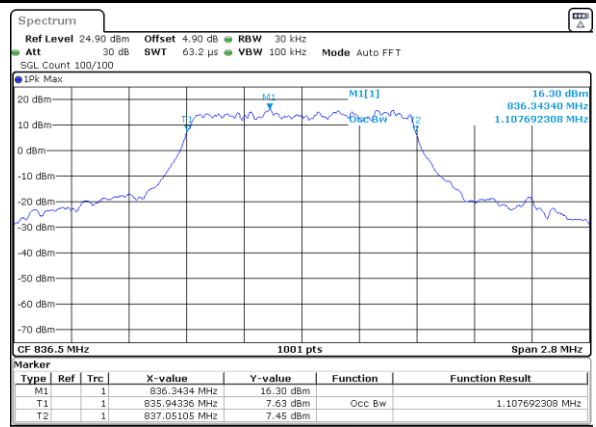
Middle Channel / 3MHz / 16QAM



Middle Channel / 1.4MHz / QPSK

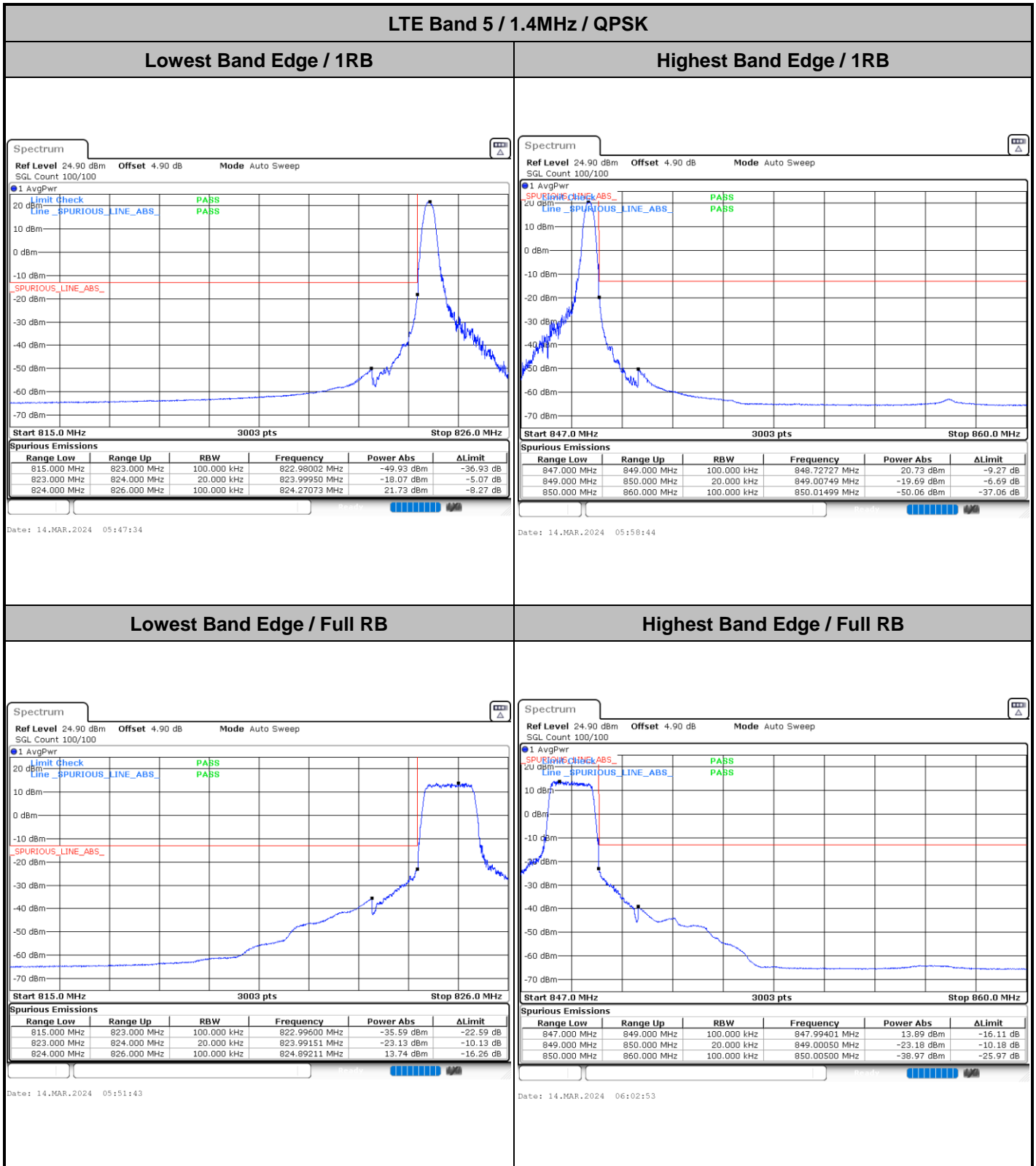


Middle Channel / 1.4MHz / 16QAM





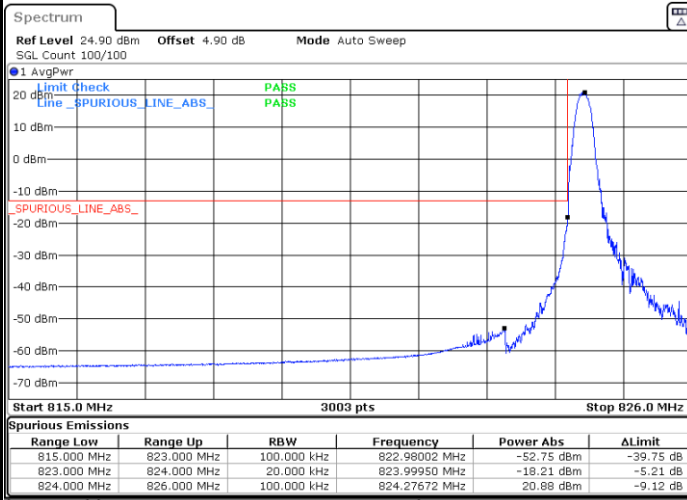
Conducted Band Edge





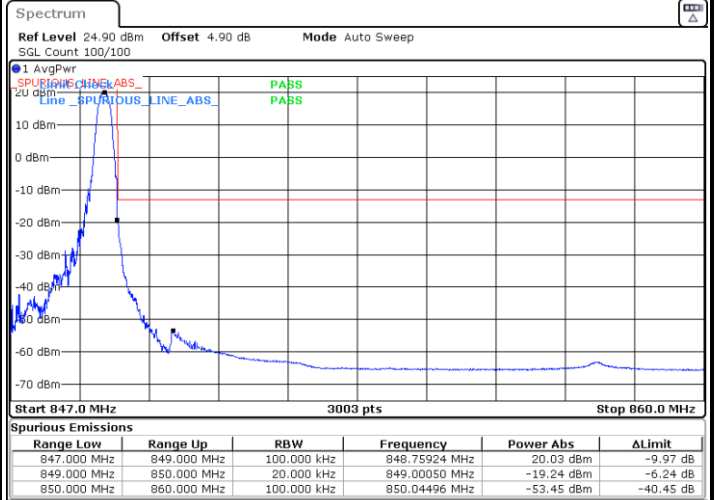
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



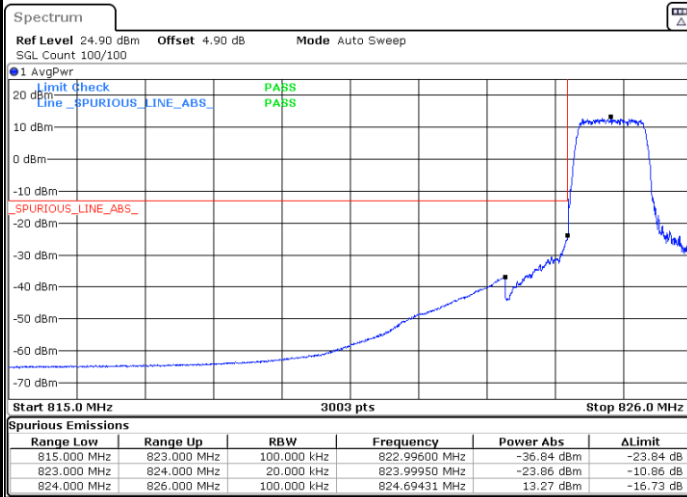
Date: 14.MAR.2024 05:48:35

Highest Band Edge / 1 RB



Date: 14.MAR.2024 05:59:45

Lowest Band Edge / Full RB



Date: 14.MAR.2024 05:52:44

Highest Band Edge / Full RB

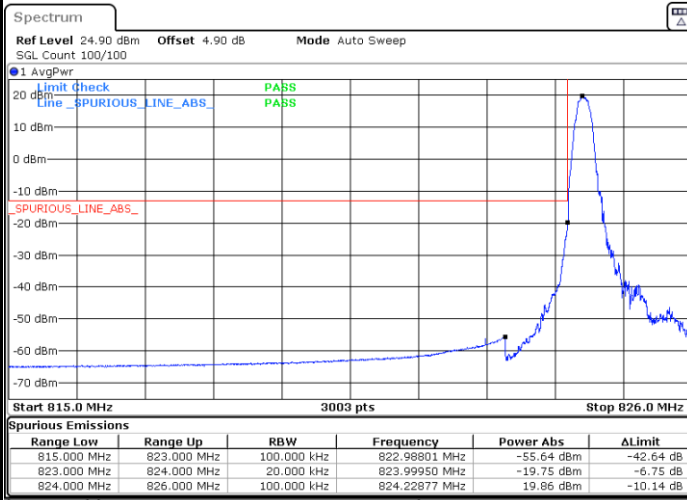


Date: 14.MAR.2024 06:03:54



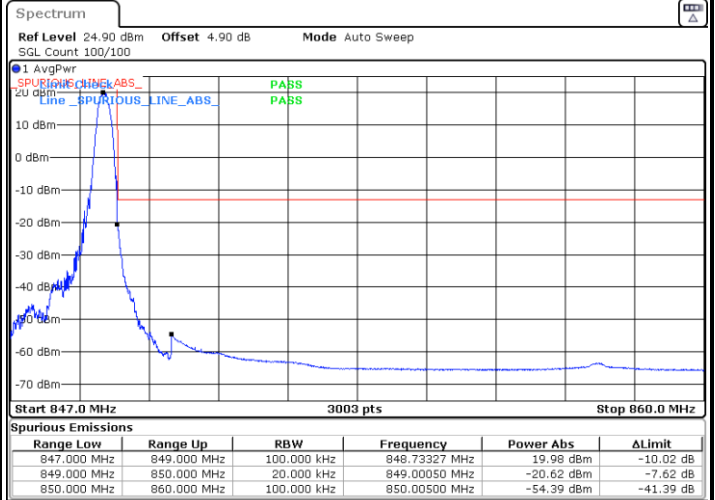
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



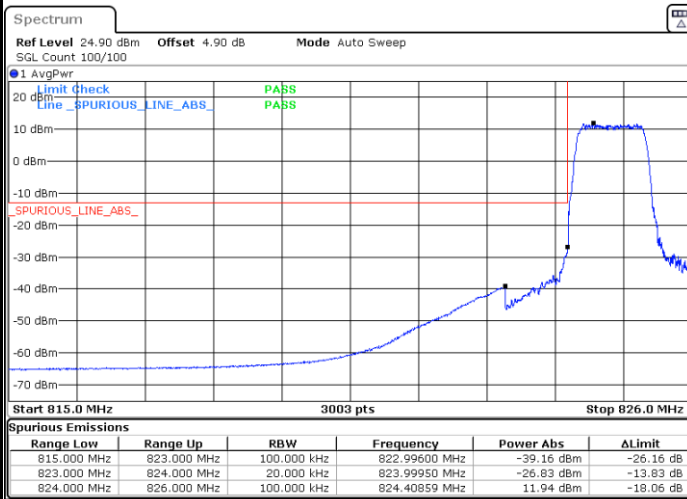
Date: 14.MAR.2024 05:49:37

Highest Band Edge / 1 RB



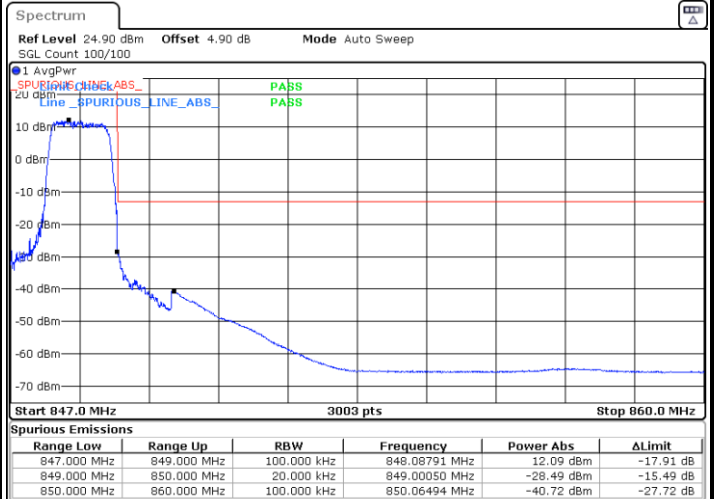
Date: 14.MAR.2024 06:00:47

Lowest Band Edge / Full RB



Date: 14.MAR.2024 05:53:46

Highest Band Edge / Full RB

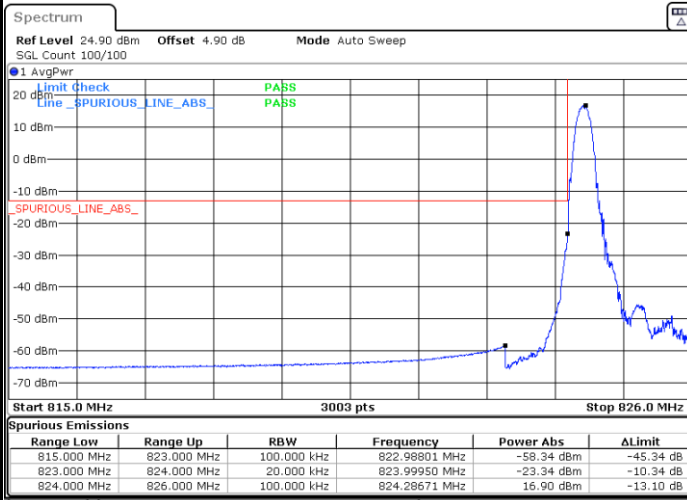


Date: 14.MAR.2024 06:04:56



LTE Band 5 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



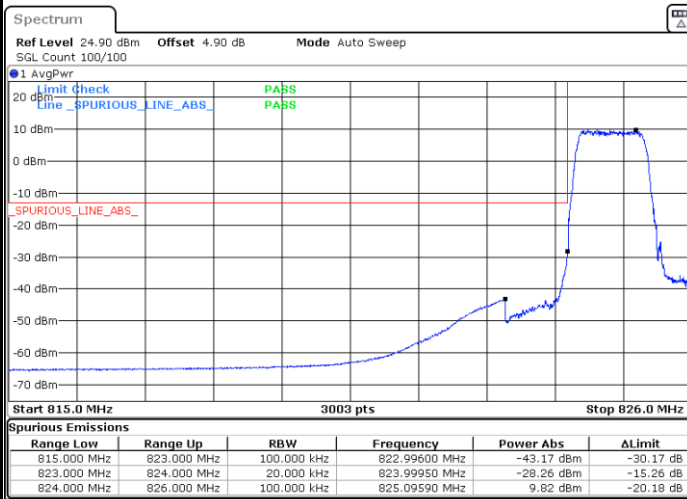
Date: 14.MAR.2024 05:50:38

Highest Band Edge / 1 RB



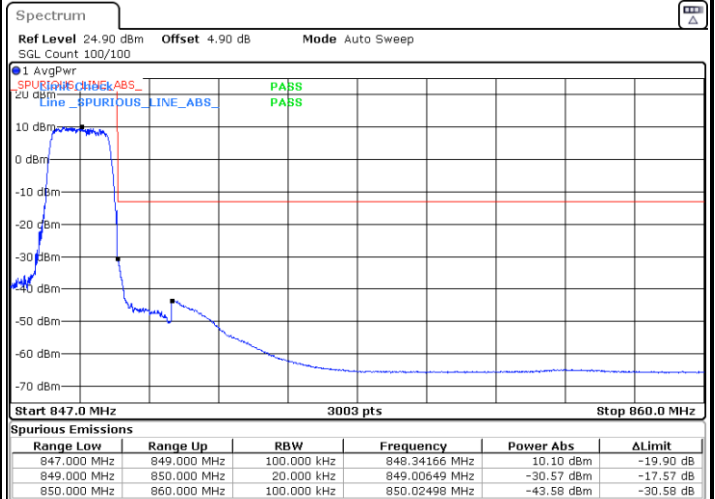
Date: 14.MAR.2024 06:01:48

Lowest Band Edge / Full RB



Date: 14.MAR.2024 05:54:47

Highest Band Edge / Full RB

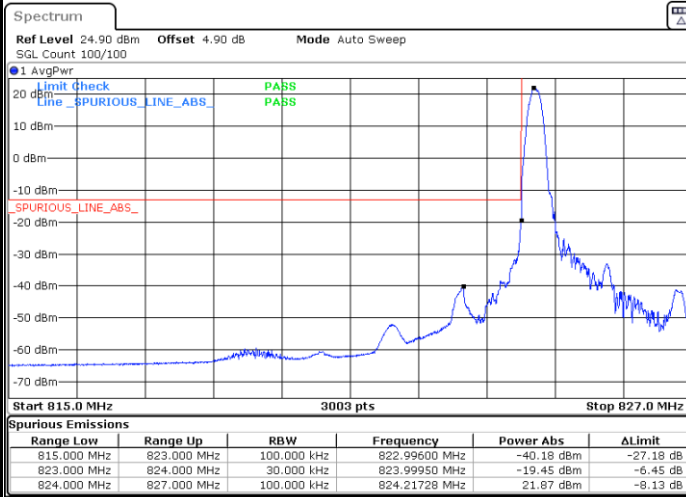


Date: 14.MAR.2024 06:05:58



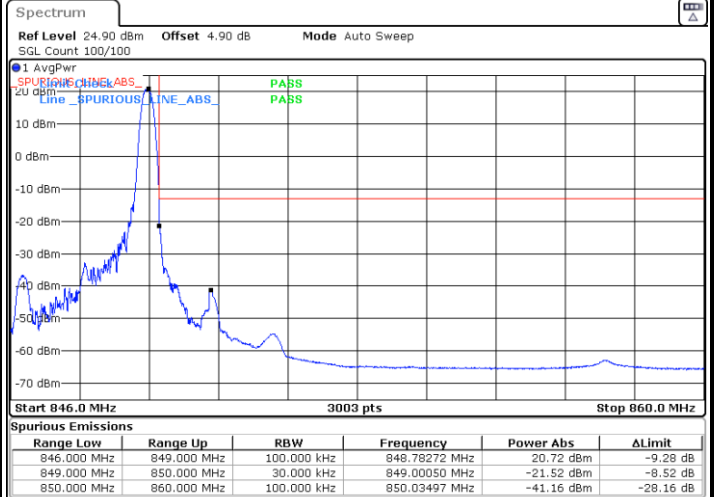
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



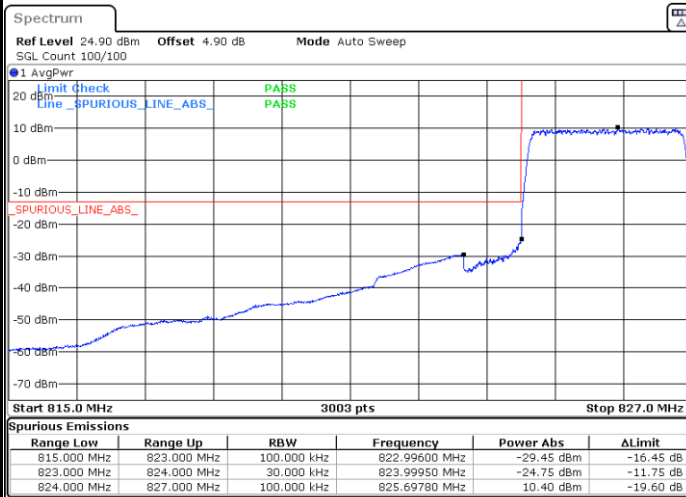
Date: 14.MAR.2024 06:09:49

Highest Band Edge / 1 RB



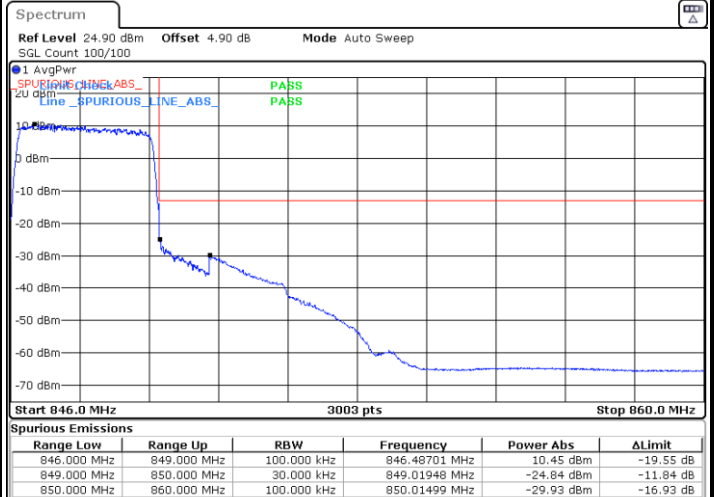
Date: 14.MAR.2024 06:21:02

Lowest Band Edge / Full RB



Date: 14.MAR.2024 06:14:00

Highest Band Edge / Full RB

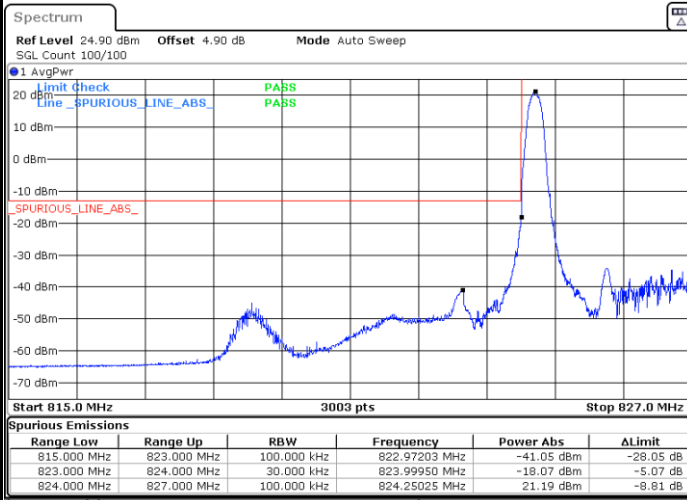


Date: 14.MAR.2024 06:25:11



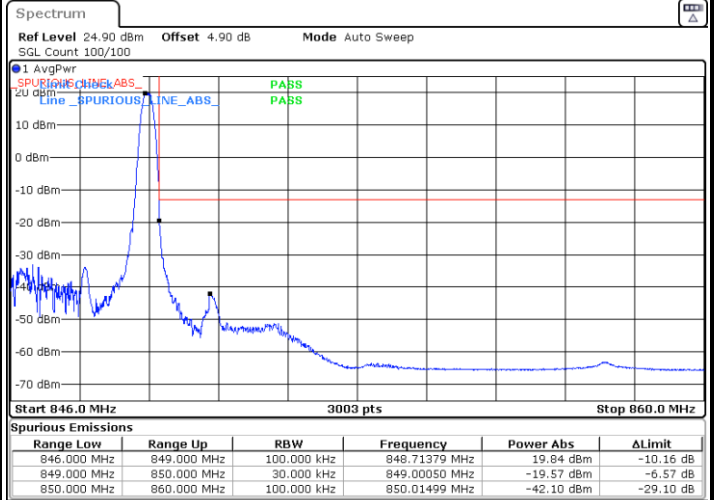
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



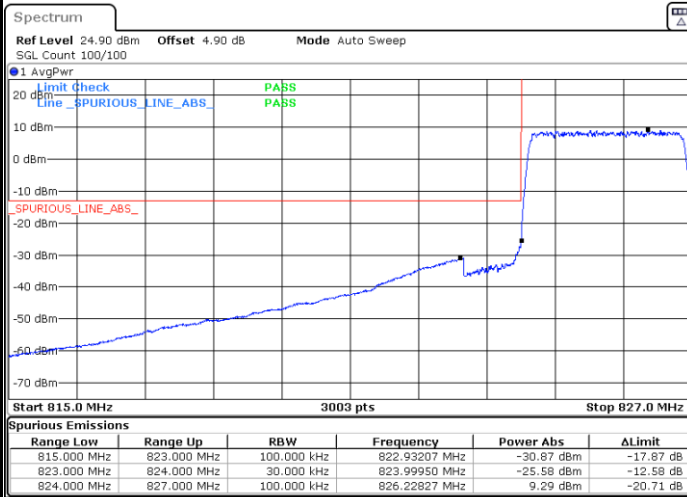
Date: 14.MAR.2024 06:10:51

Highest Band Edge / 1 RB



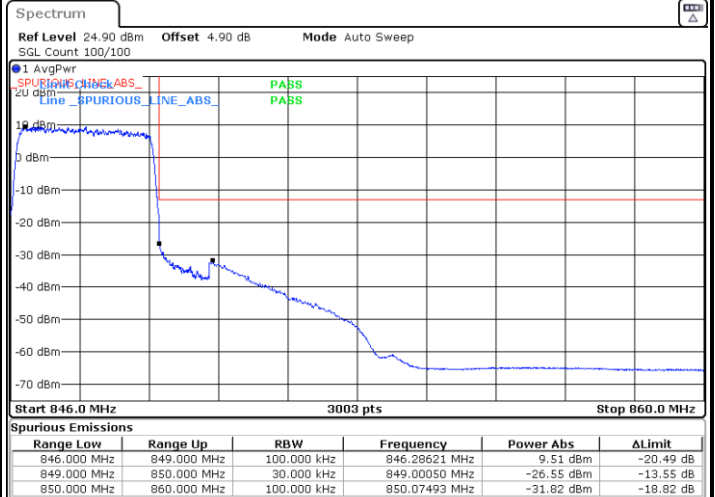
Date: 14.MAR.2024 06:22:04

Lowest Band Edge / Full RB



Date: 14.MAR.2024 06:15:02

Highest Band Edge / Full RB

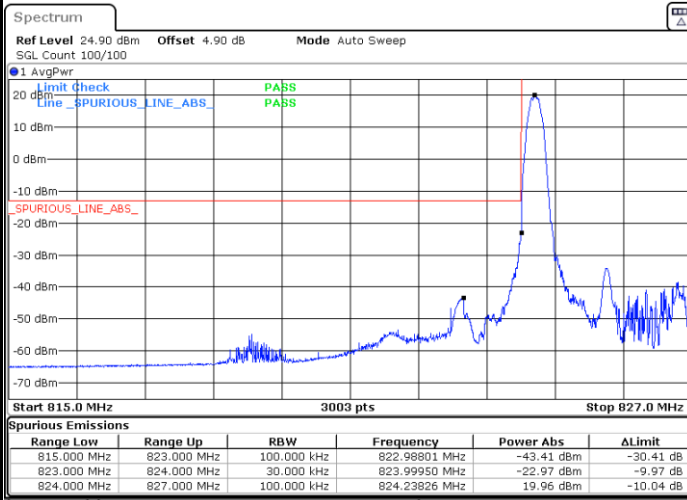


Date: 14.MAR.2024 06:26:13



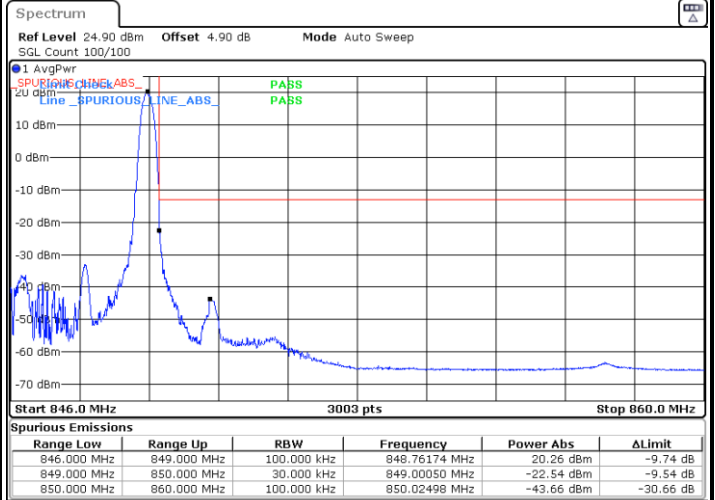
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



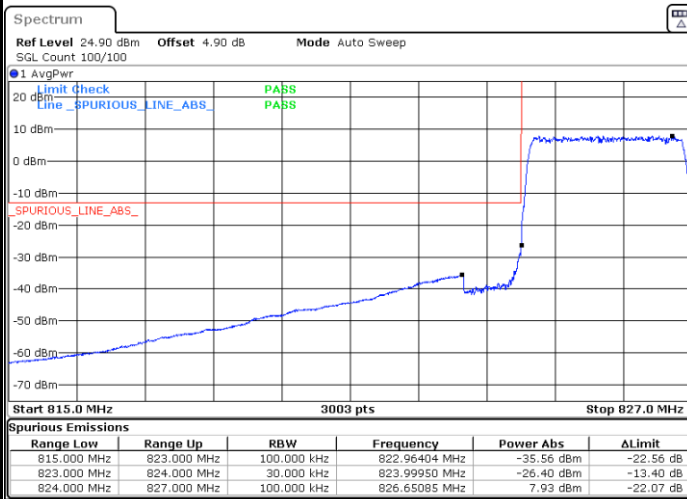
Date: 14.MAR.2024 06:11:53

Highest Band Edge / 1 RB



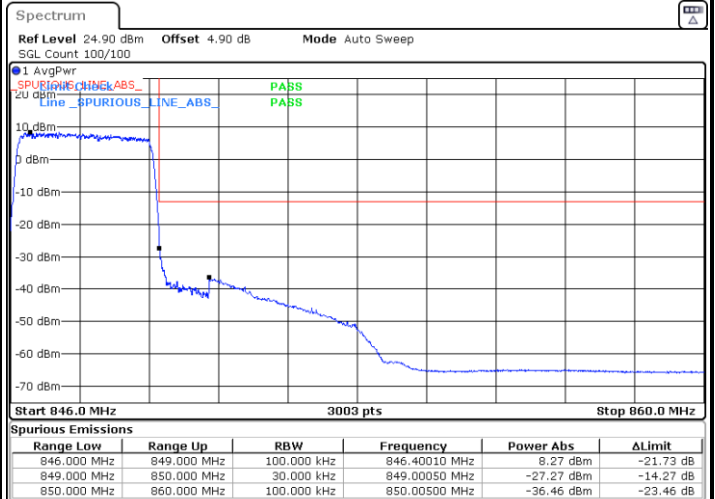
Date: 14.MAR.2024 06:23:05

Lowest Band Edge / Full RB



Date: 14.MAR.2024 06:16:04

Highest Band Edge / Full RB

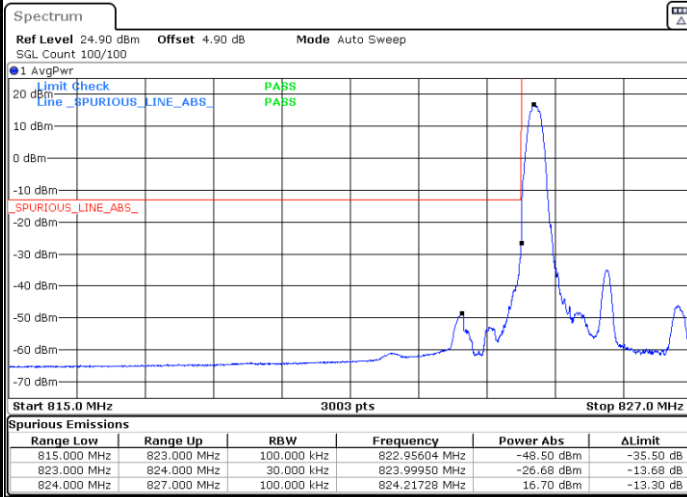


Date: 14.MAR.2024 06:27:15



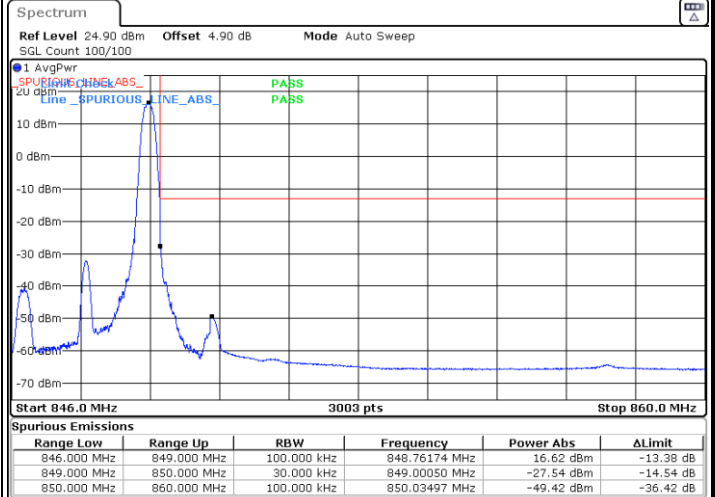
LTE Band 5 / 3MHz / 256QAM

Lowest Band Edge / 1 RB



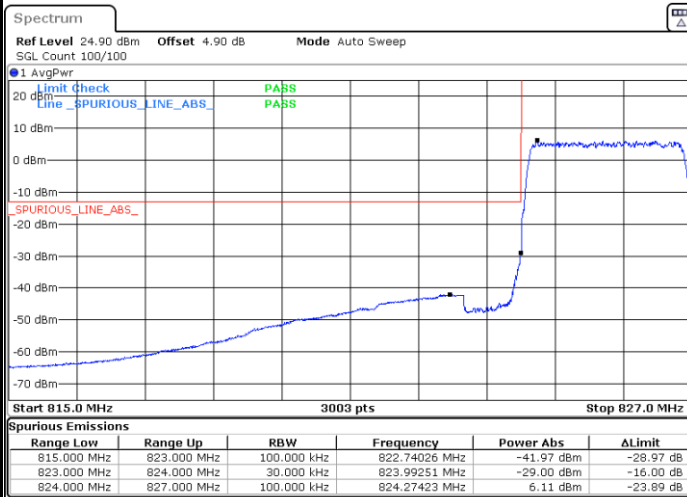
Date: 14.MAR.2024 06:12:55

Highest Band Edge / 1 RB



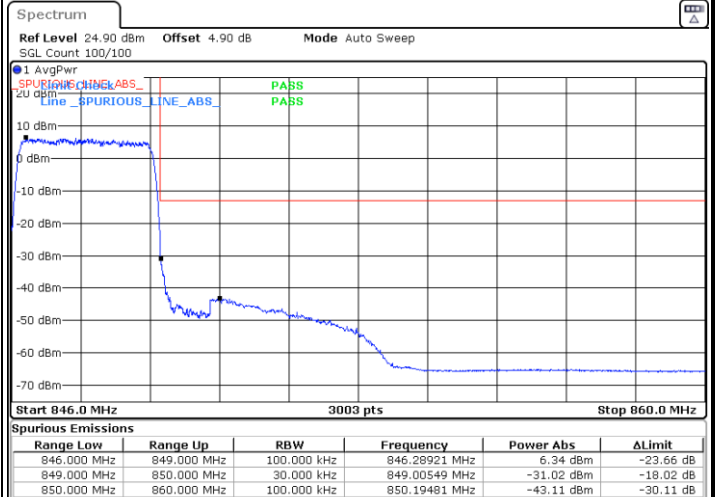
Date: 14.MAR.2024 06:24:07

Lowest Band Edge / Full RB



Date: 14.MAR.2024 06:17:05

Highest Band Edge / Full RB

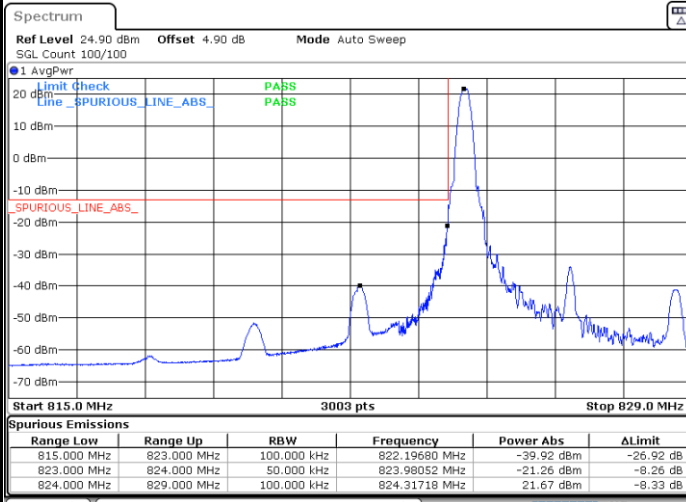


Date: 14.MAR.2024 06:28:16



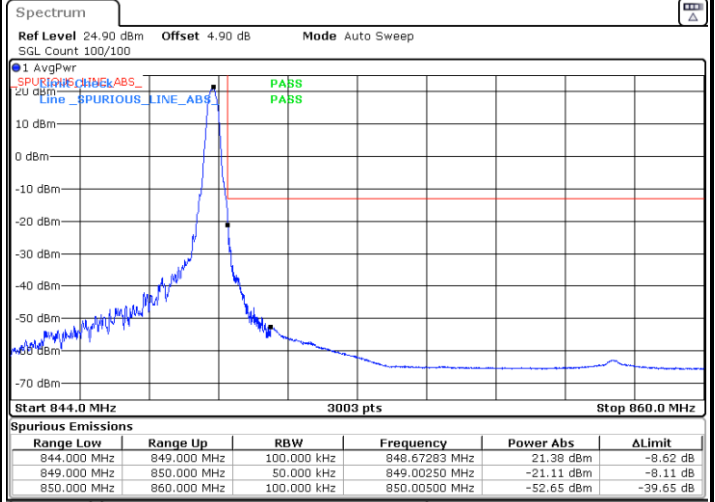
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



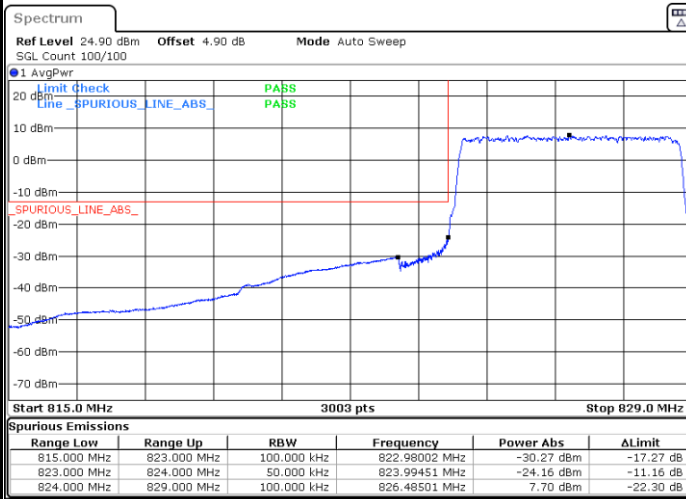
Date: 14.MAR.2024 06:31:17

Highest Band Edge / 1 RB



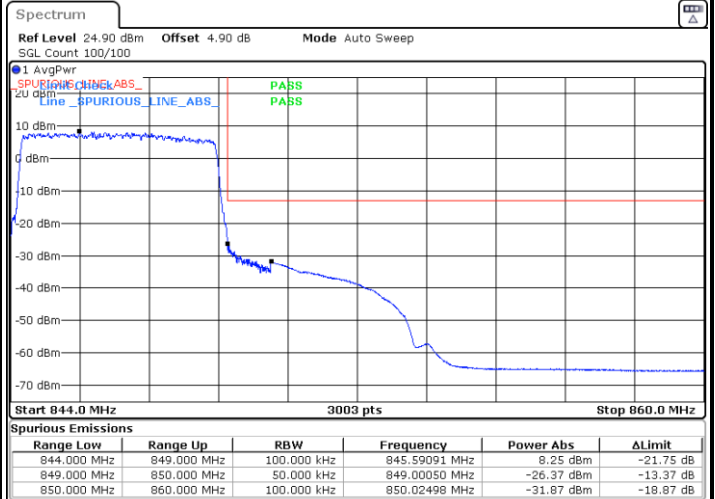
Date: 14.MAR.2024 06:40:22

Lowest Band Edge / Full RB



Date: 14.MAR.2024 06:34:23

Highest Band Edge / Full RB

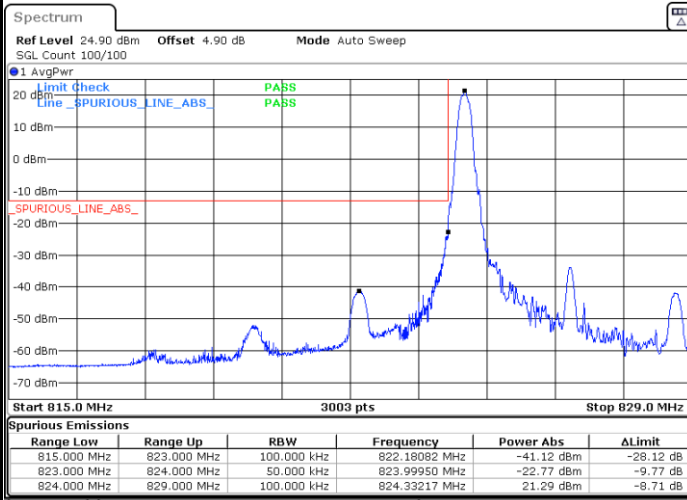


Date: 14.MAR.2024 06:43:28



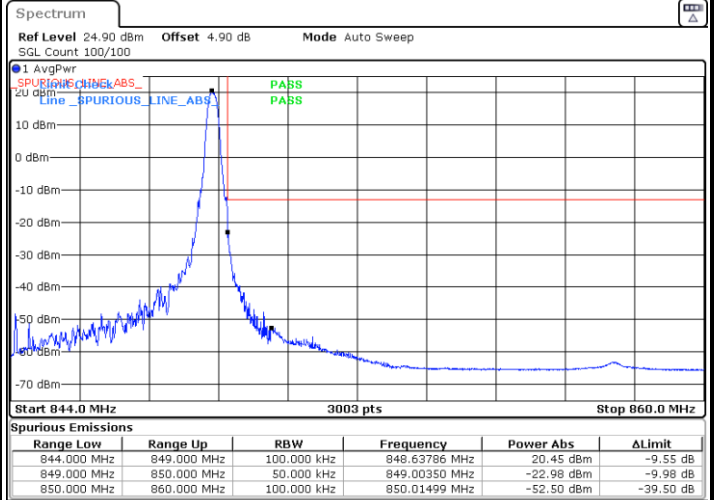
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



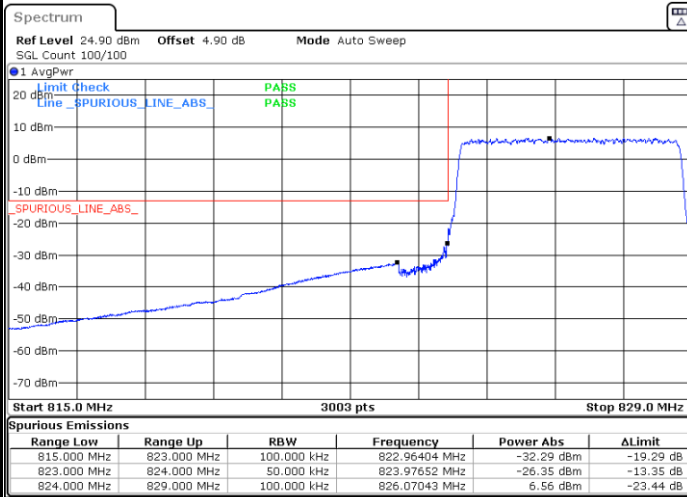
Date: 14.MAR.2024 06:32:19

Highest Band Edge / 1 RB



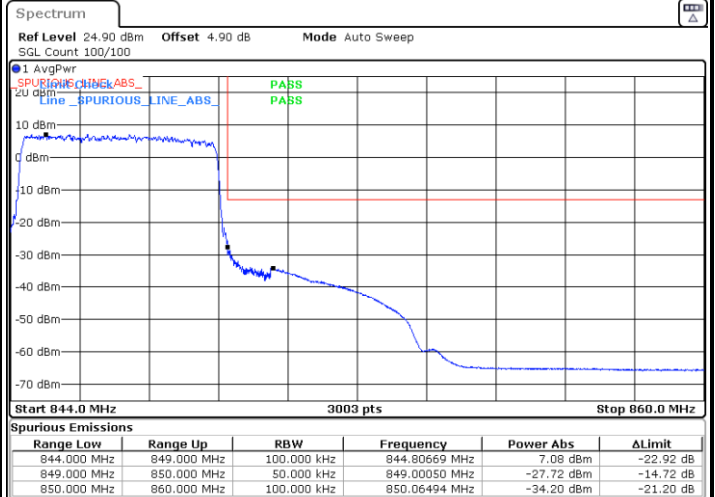
Date: 14.MAR.2024 06:41:24

Lowest Band Edge / Full RB



Date: 14.MAR.2024 06:35:24

Highest Band Edge / Full RB



Date: 14.MAR.2024 06:44:30