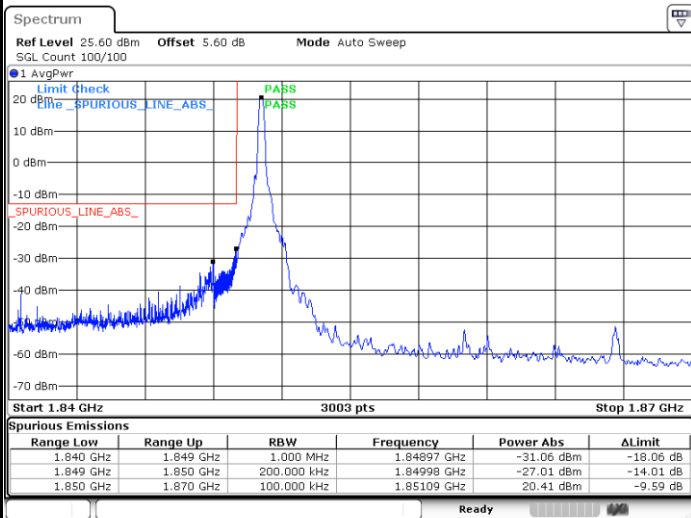


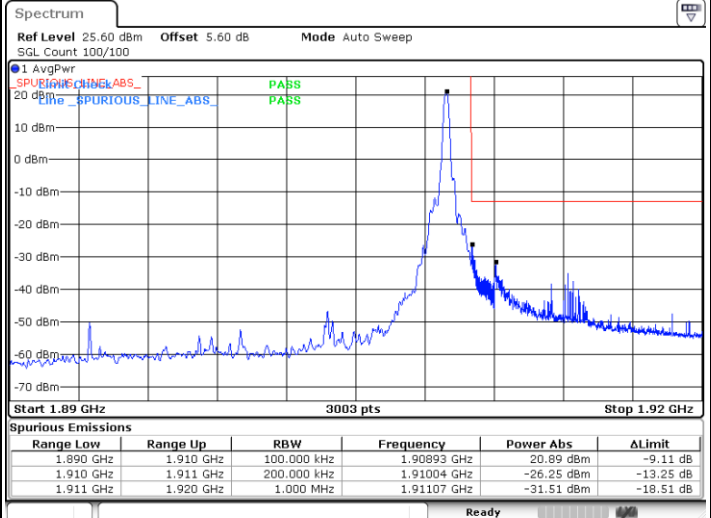


LTE Band 2 / 20MHz / 16QAM

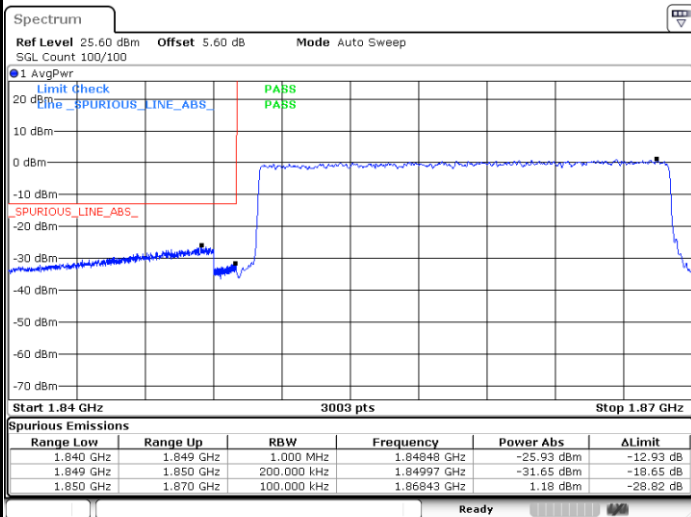
Lowest Band Edge / 1 RB



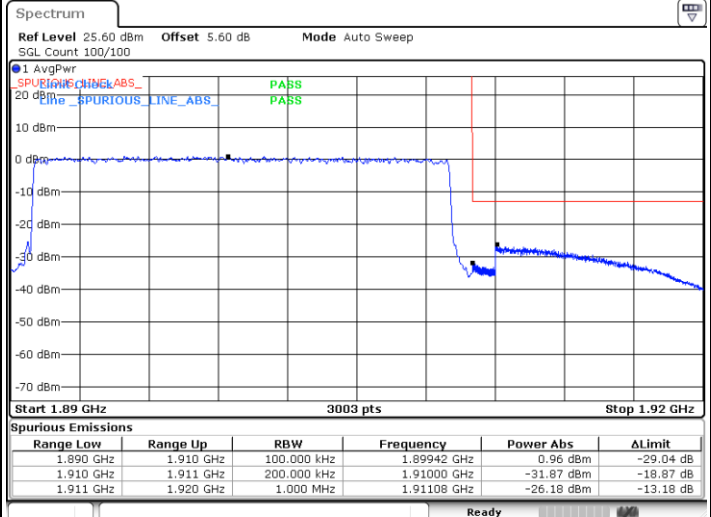
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



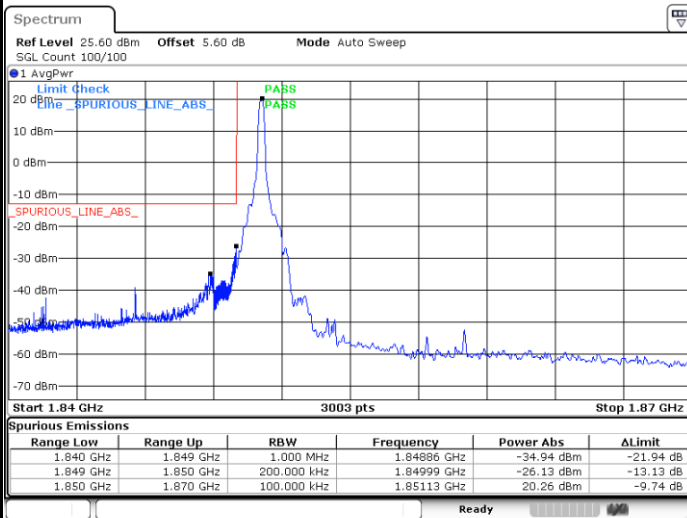
Highest Band Edge / Full RB





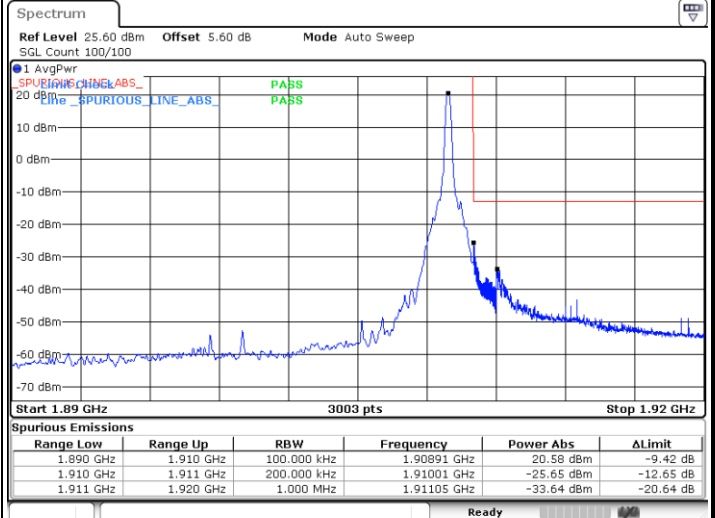
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



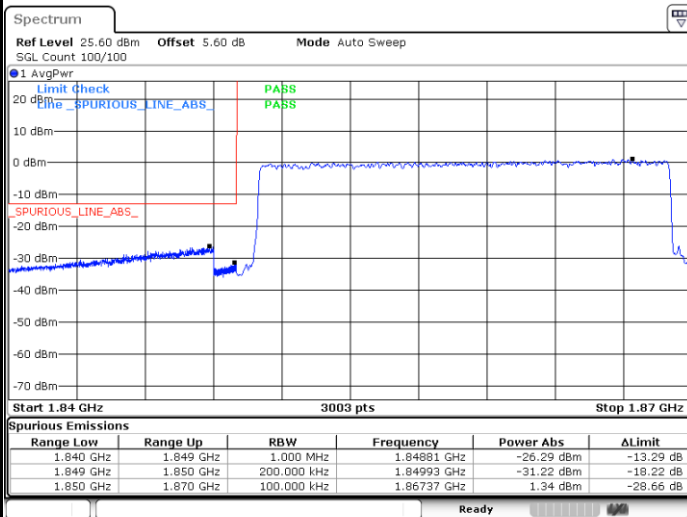
Date: 7.MAR.2024 11:59:56

Highest Band Edge / 1 RB



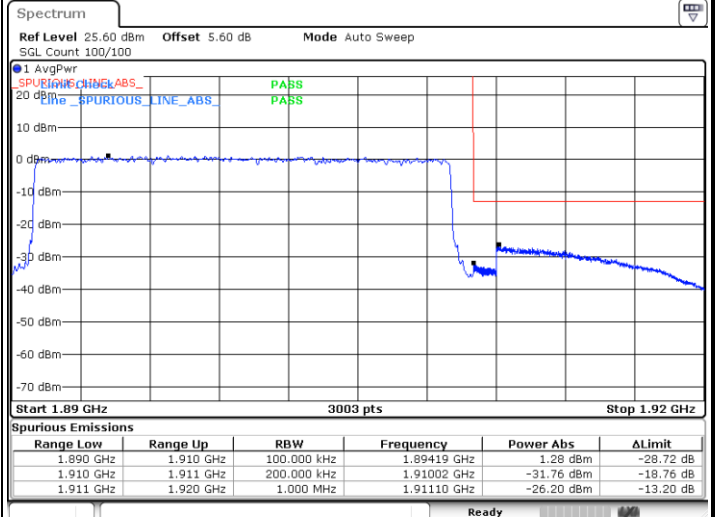
Date: 7.MAR.2024 12:10:39

Lowest Band Edge / Full RB



Date: 7.MAR.2024 11:59:01

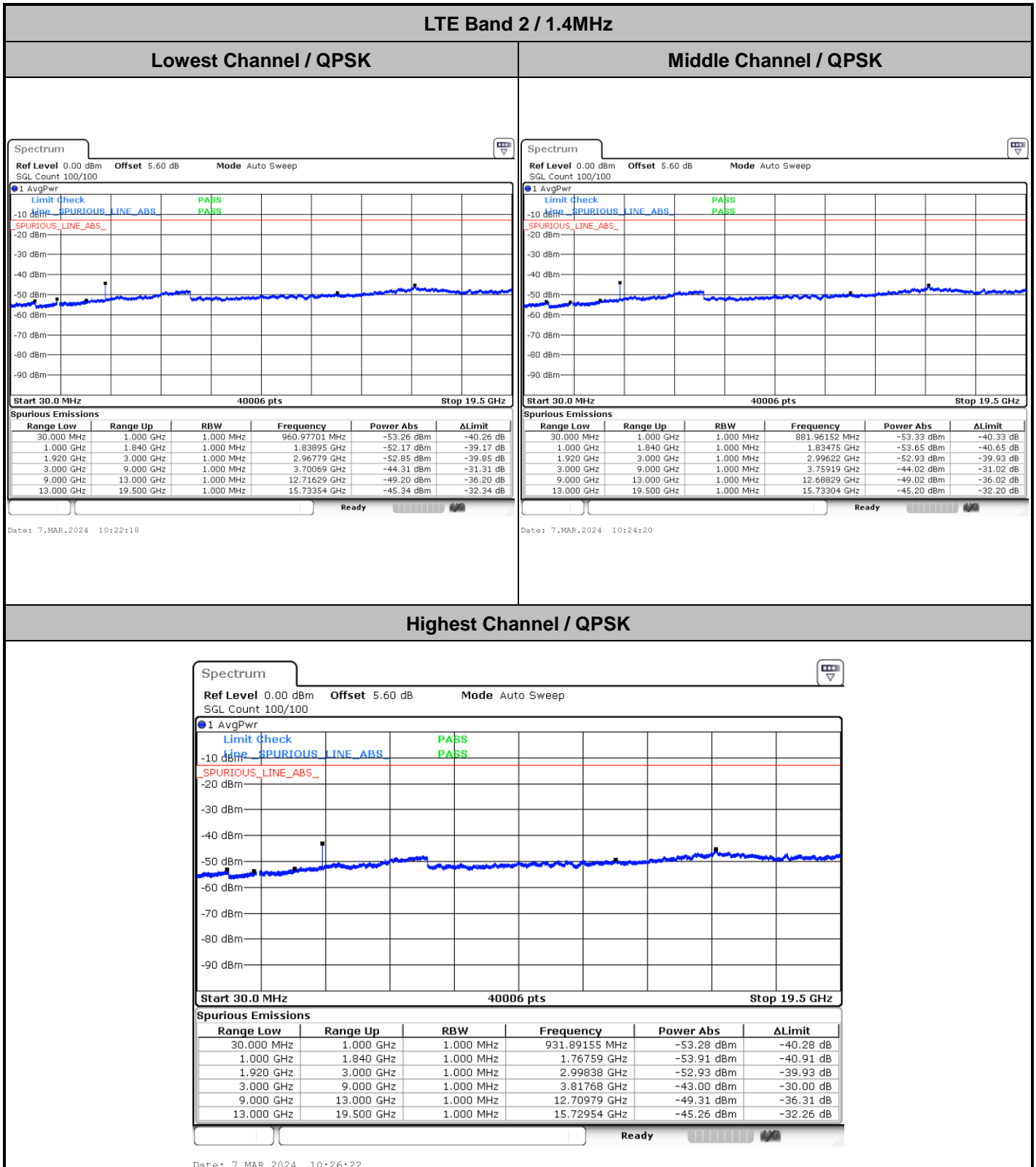
Highest Band Edge / Full RB



Date: 7.MAR.2024 12:11:34



Conducted Spurious Emission

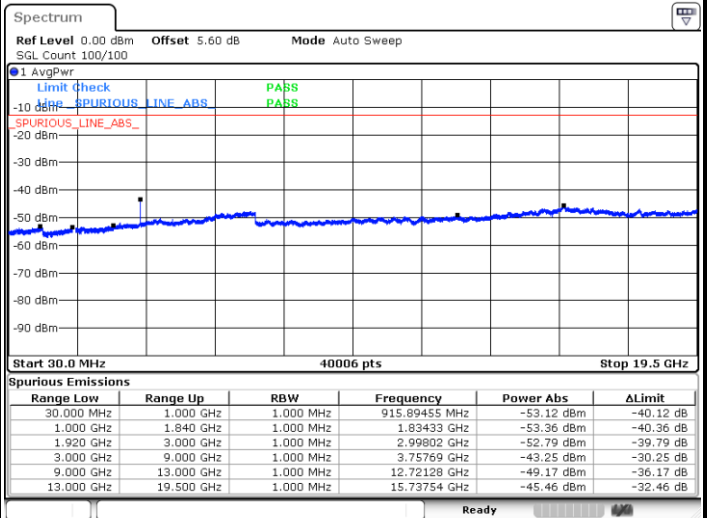
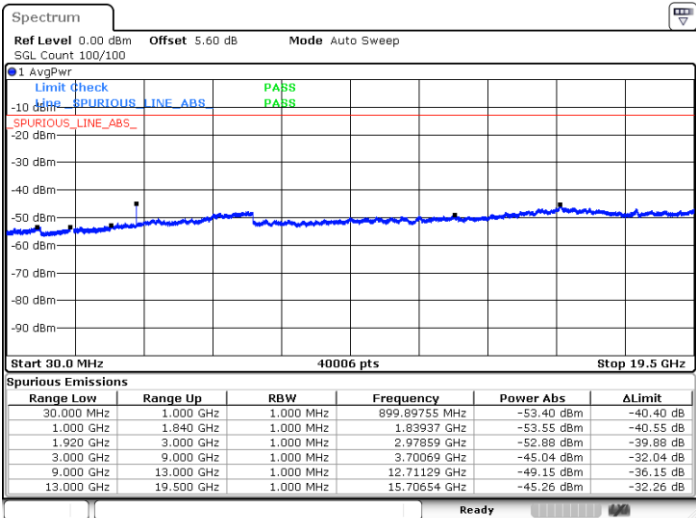




LTE Band 2 / 3MHz

Lowest Channel / QPSK

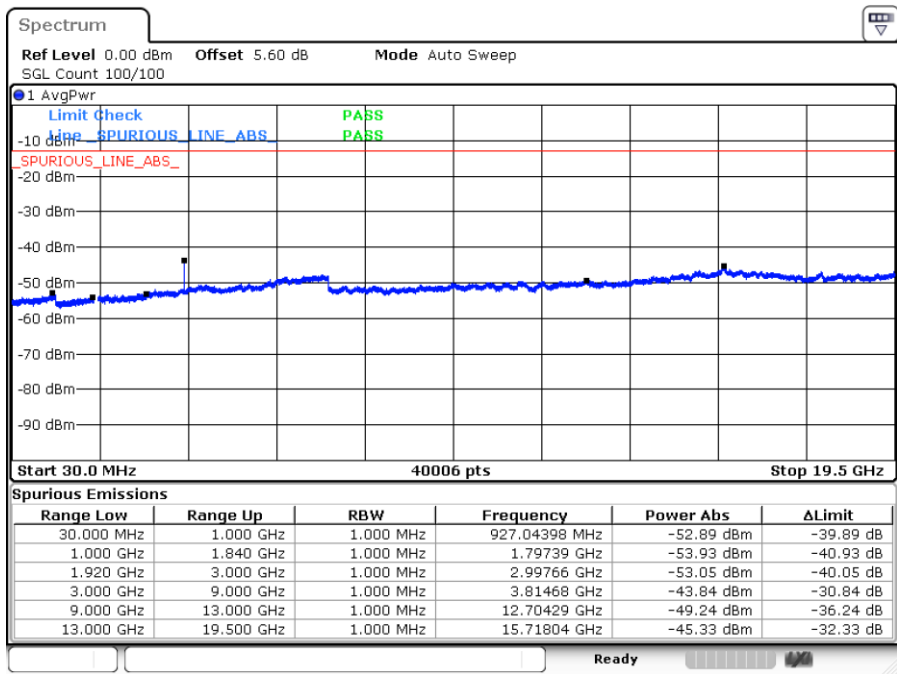
Middle Channel / QPSK



Date: 7.MAR.2024 10:48:28

Date: 7.MAR.2024 10:50:30

Highest Channel / QPSK



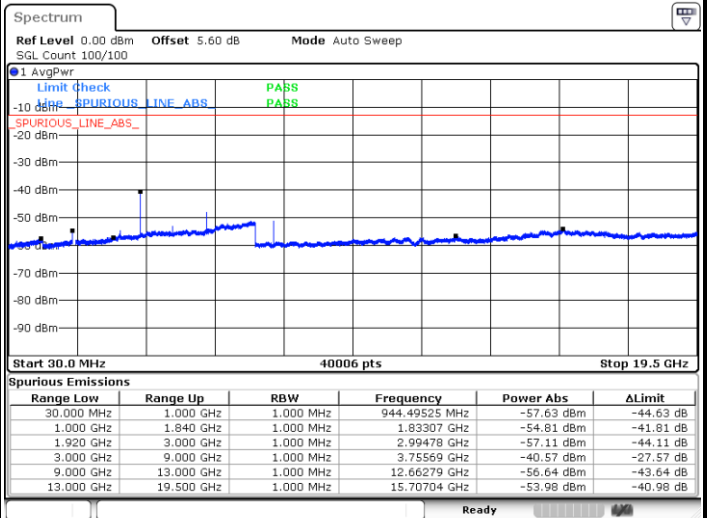
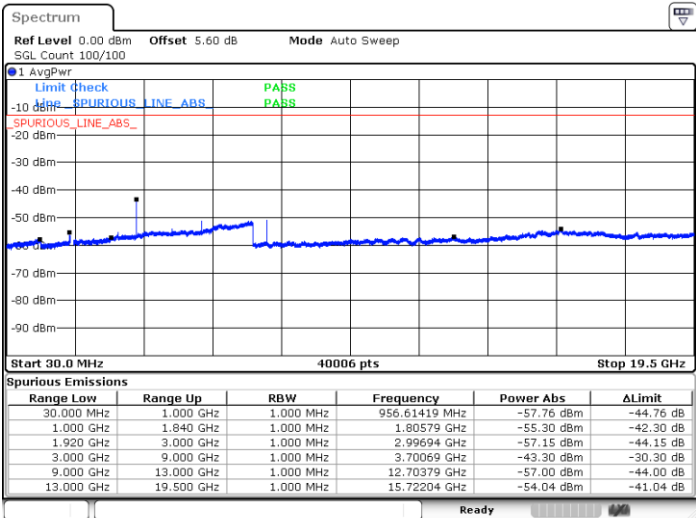
Date: 7.MAR.2024 10:52:32



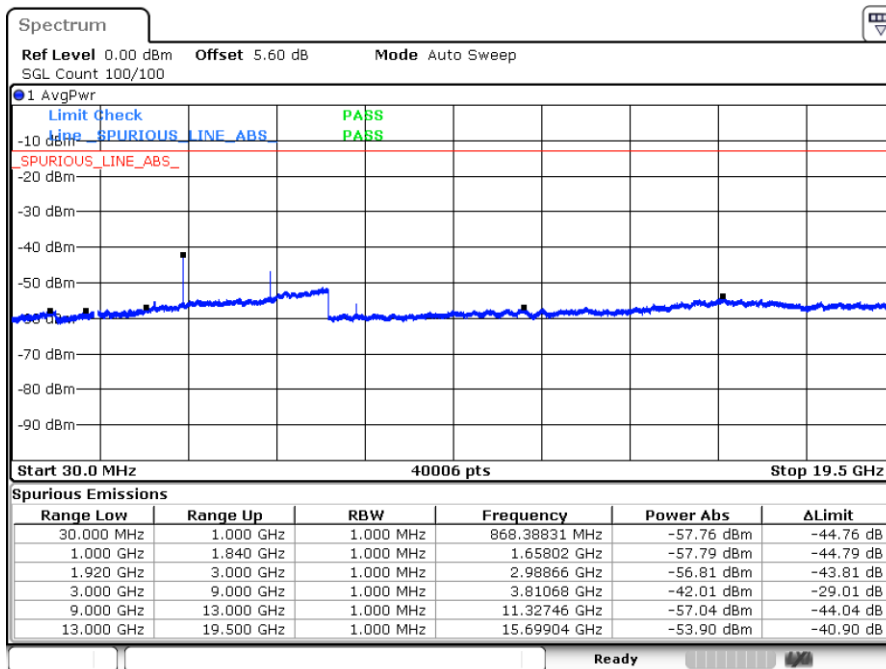
LTE Band 2 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



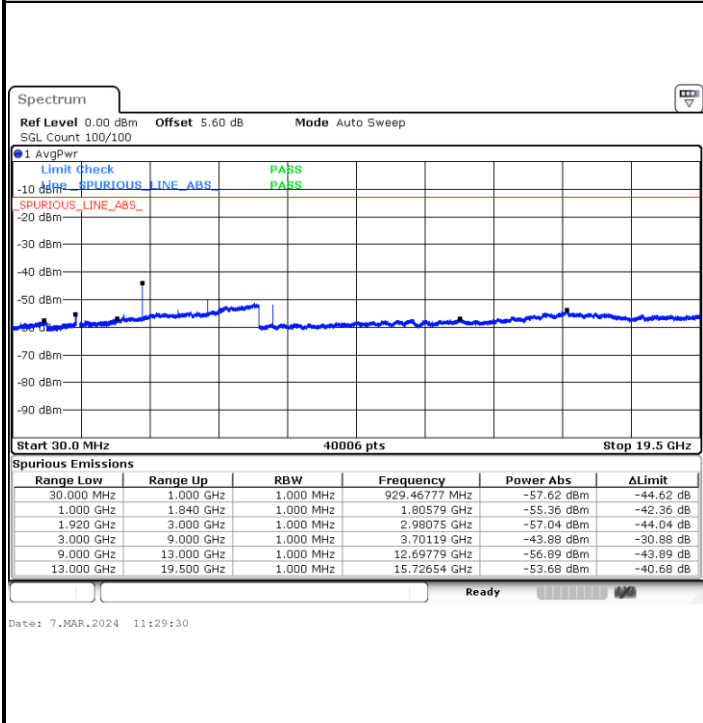
Highest Channel / QPSK



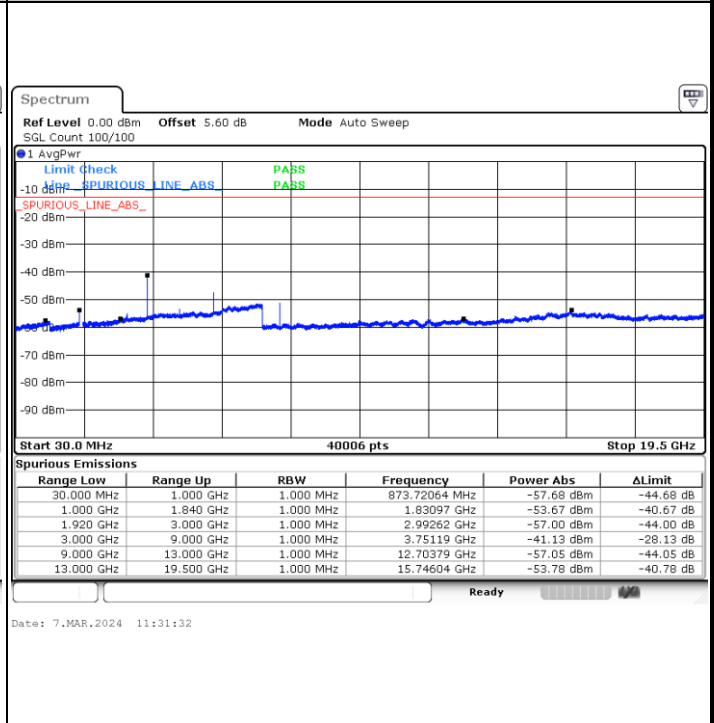


LTE Band 2 / 10MHz

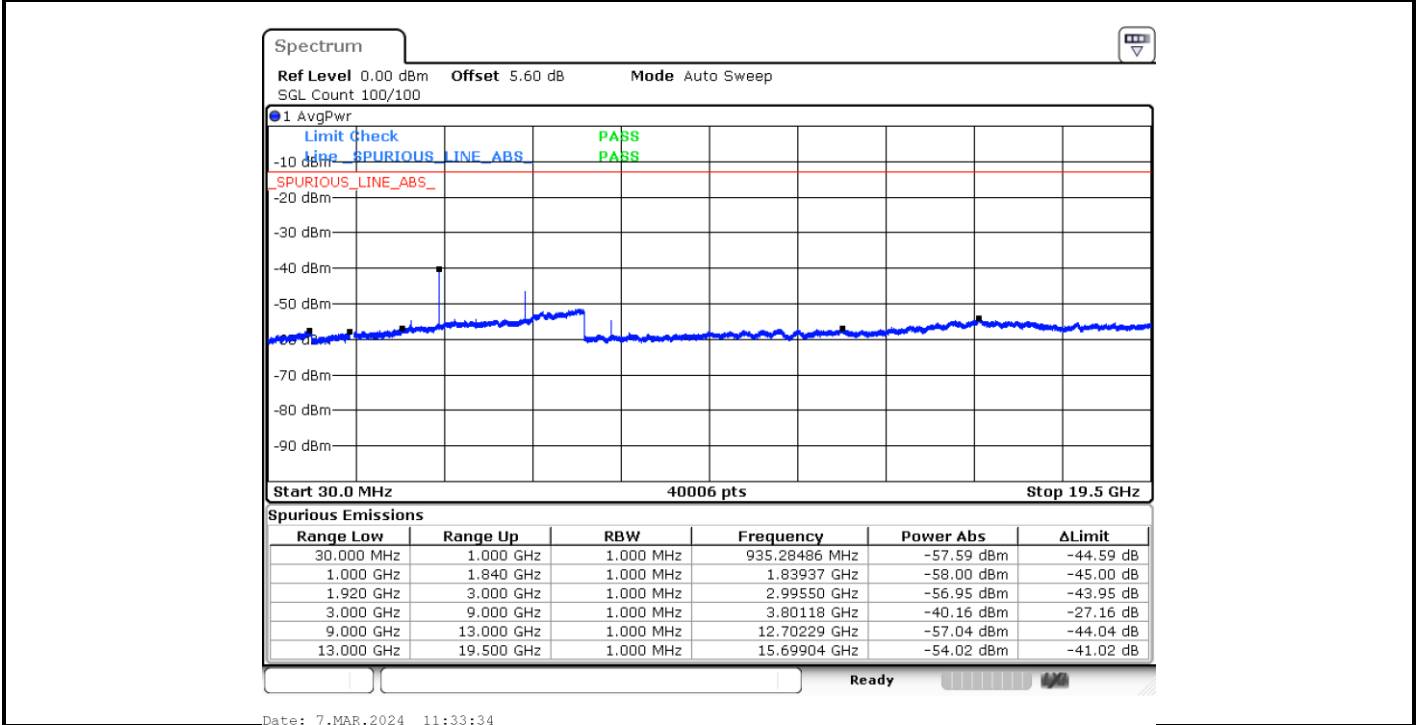
Lowest Channel / QPSK



Middle Channel / QPSK



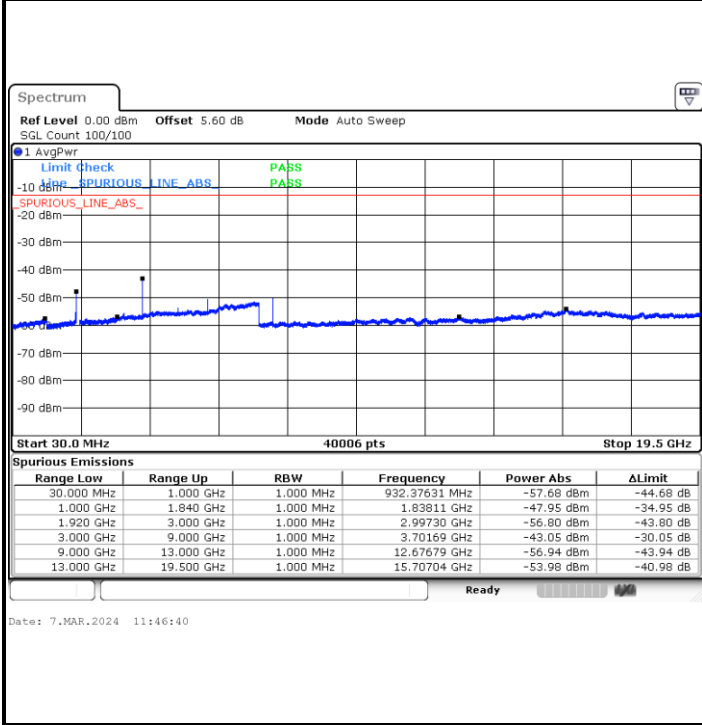
Highest Channel / QPSK





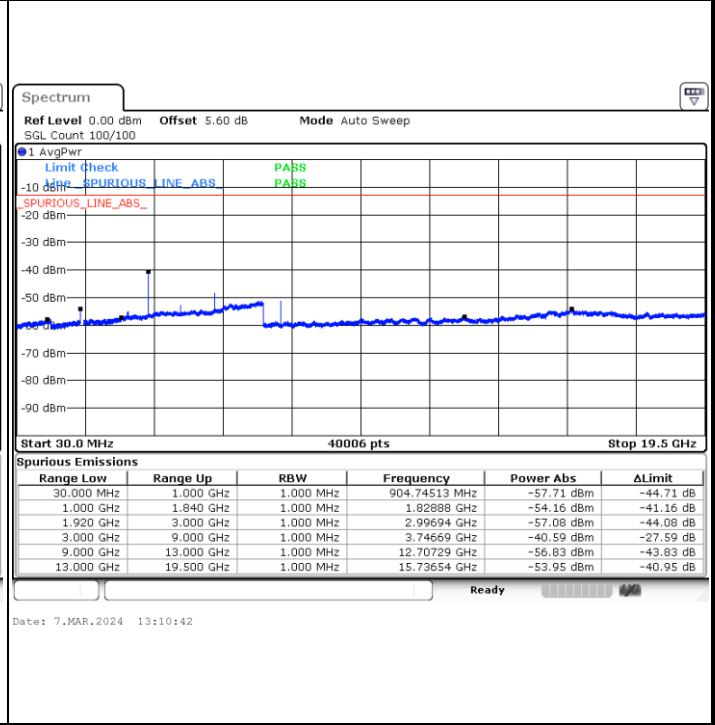
LTE Band 2 / 15MHz

Lowest Channel / QPSK



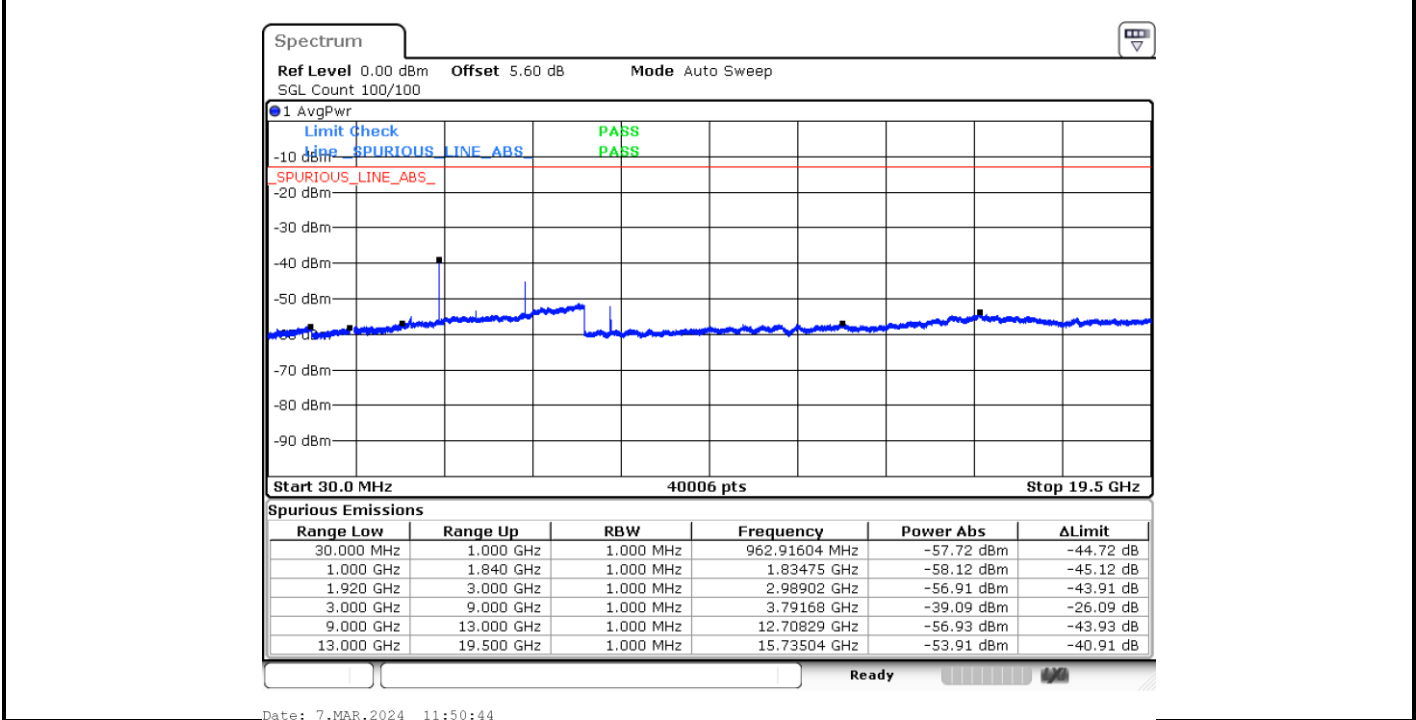
Date: 7.MAR.2024 11:46:40

Middle Channel / QPSK



Date: 7.MAR.2024 13:10:42

Highest Channel / QPSK



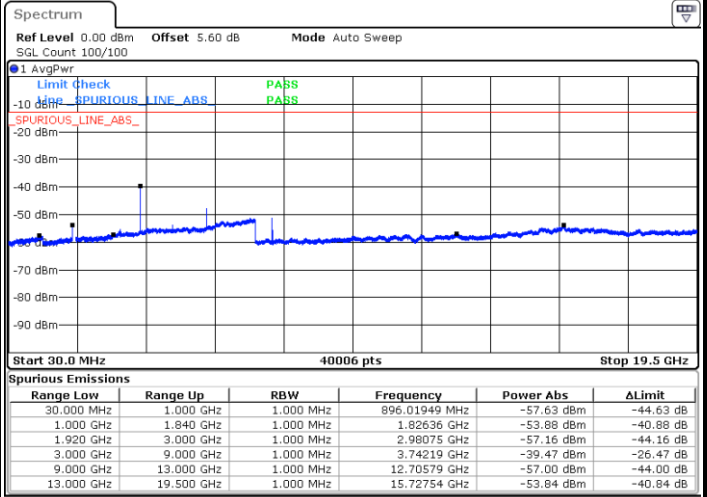
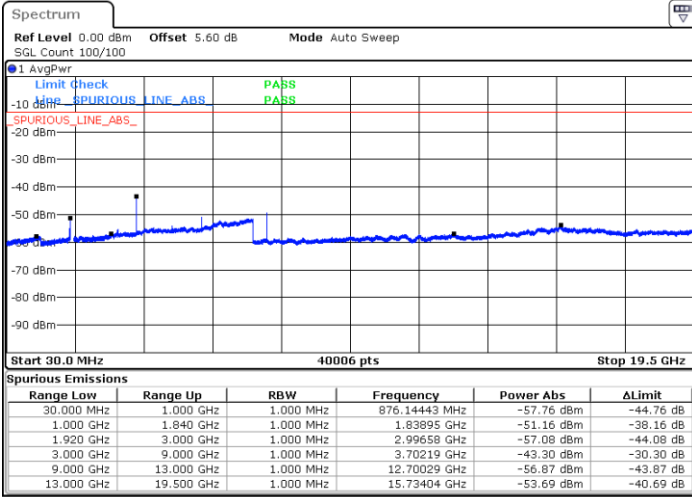
Date: 7.MAR.2024 11:50:44



LTE Band 2 / 20MHz

Lowest Channel / QPSK

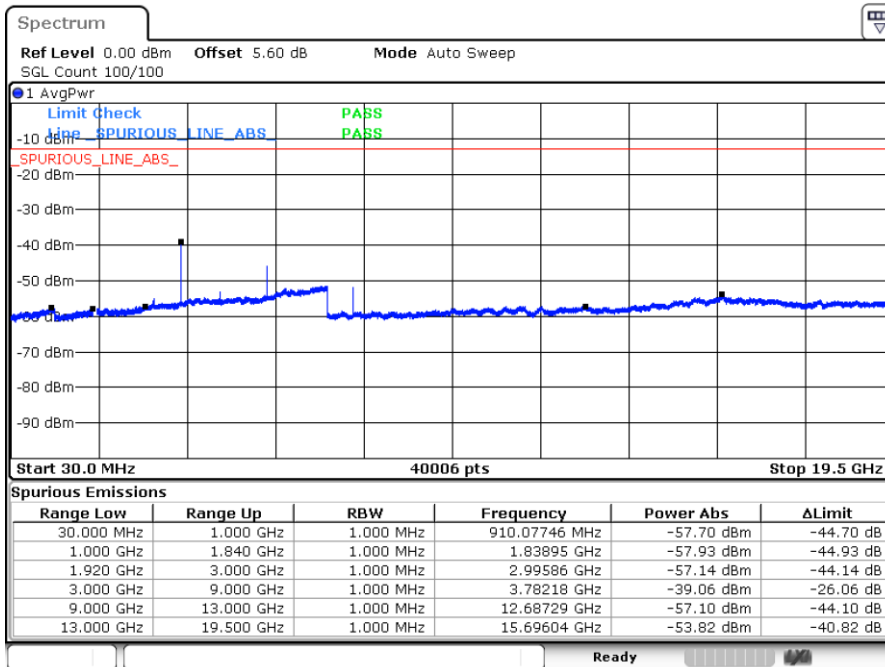
Middle Channel / QPSK



Date: 7.MAR.2024 12:03:49

Date: 7.MAR.2024 12:05:51

Highest Channel / QPSK



Date: 7.MAR.2024 12:07:53



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	0.0046	PASS
40	Normal Voltage	0.0055	
30	Normal Voltage	0.0043	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0041	
-10	Normal Voltage	0.0038	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0031	
20	Maximum Voltage	0.0029	
20	Normal Voltage	0.0023	
20	Battery End Point	0.0076	

Note:

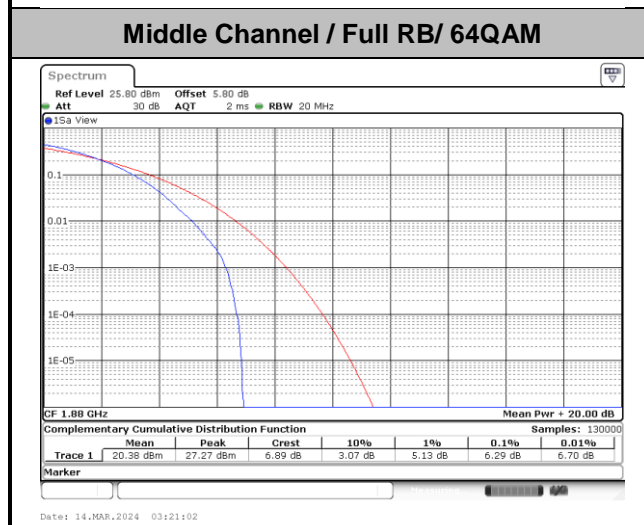
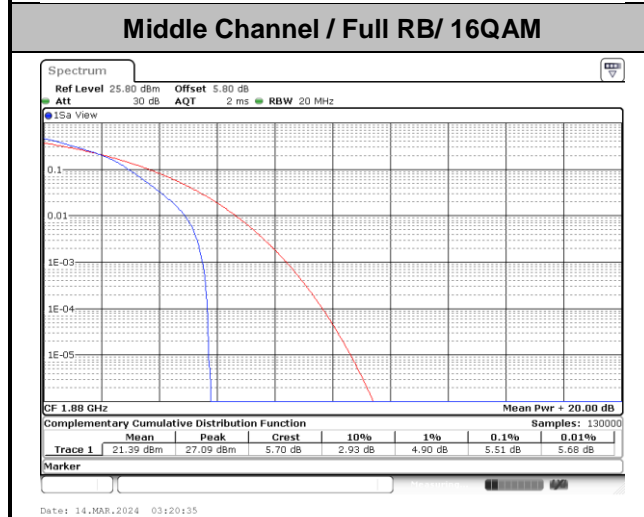
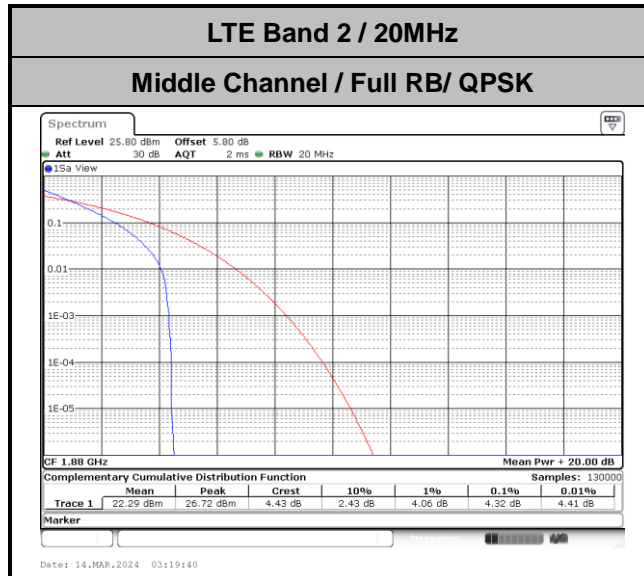
1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage = 4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 2 other PA(ENDC_2A_n78A)

Peak-to-Average Ratio

Mode	LTE Band 2 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.32	5.51	6.29	PASS





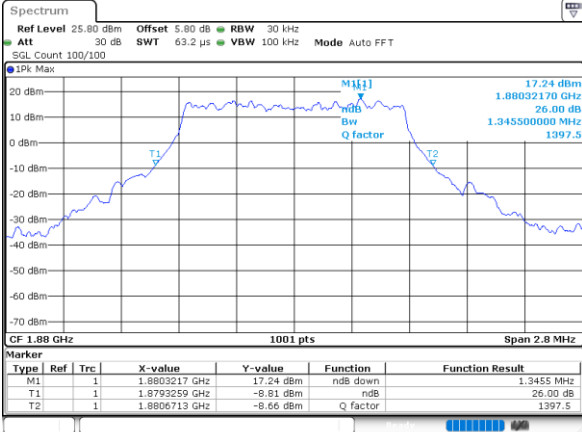
26dB Bandwidth

Mode	LTE Band 2 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.35	1.35
Mode	LTE Band 2 : 26dB BW(MHz)	
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.07	2.98
Mode	LTE Band 2 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.95	5.17
Mode	LTE Band 2 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.89	10.01
Mode	LTE Band 2 : 26dB BW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.48	14.57
Mode	LTE Band 2 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.22	19.02



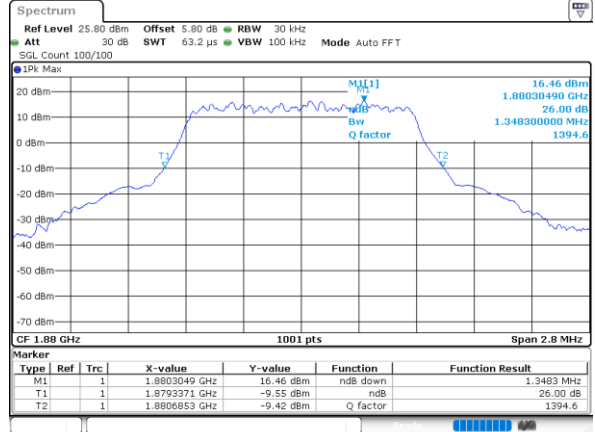
LTE Band 2

Middle Channel / 1.4MHz / QPSK



Date: 14.MAR.2024 03:34:19

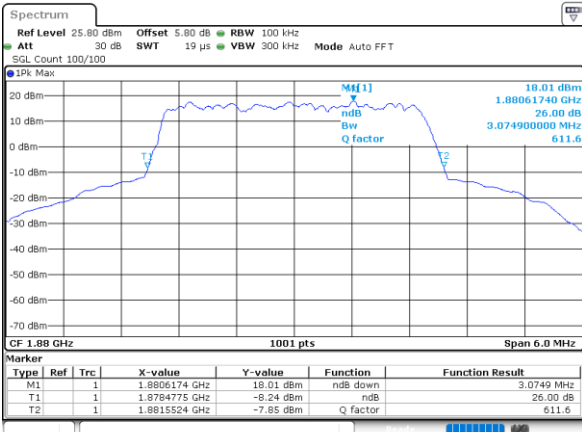
Middle Channel / 1.4MHz / 16QAM



Date: 14.MAR.2024 03:35:13

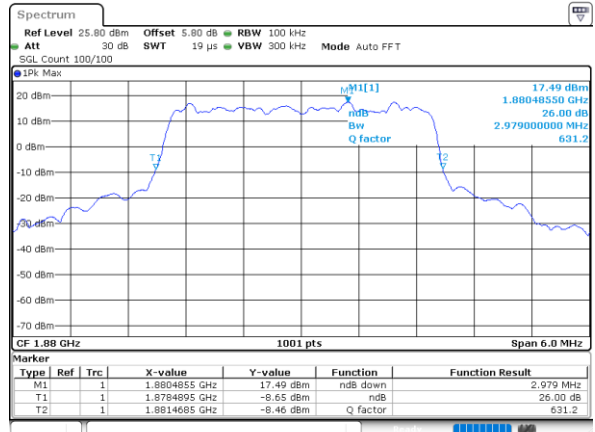
LTE Band 2

Middle Channel / 3MHz / QPSK



Date: 14.MAR.2024 03:32:16

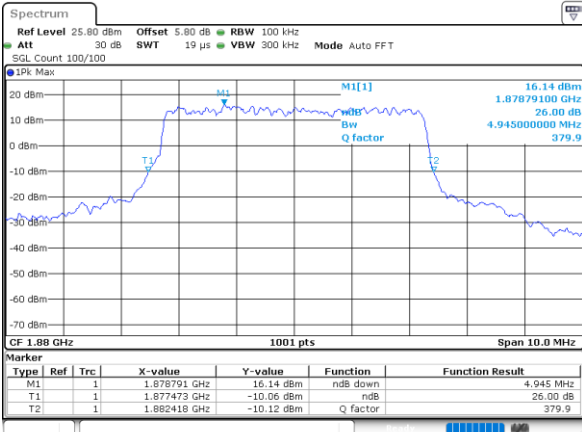
Middle Channel / 3MHz / 16QAM



Date: 14.MAR.2024 03:33:10

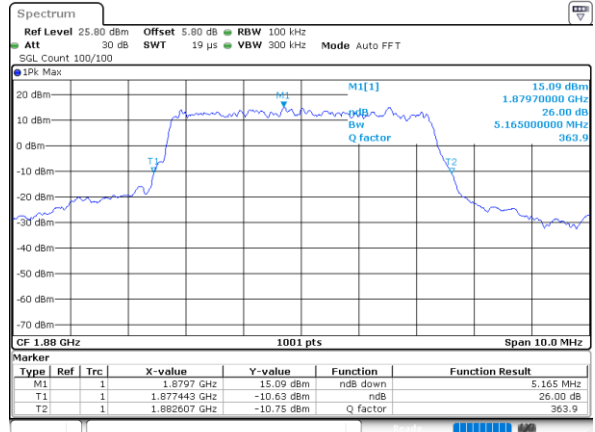
LTE Band 2

Middle Channel / 5MHz / QPSK



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

Middle Channel / 5MHz / 16QAM

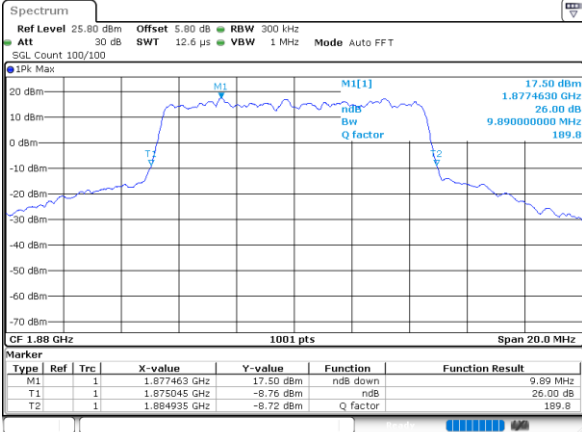


Date: 14.MAR.2024 03:31:07



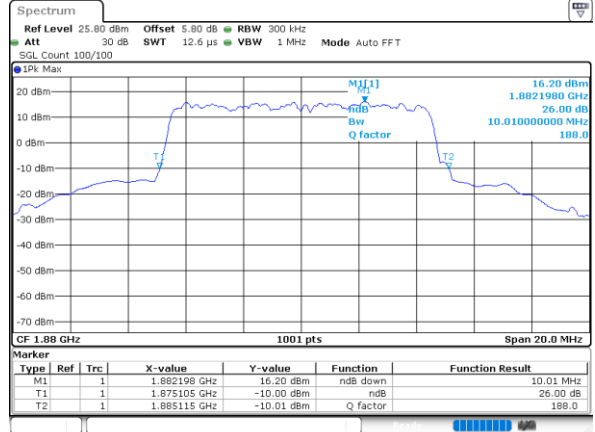
LTE Band 2

Middle Channel / 10MHz / QPSK



Date: 14.MAR.2024 03:28:52

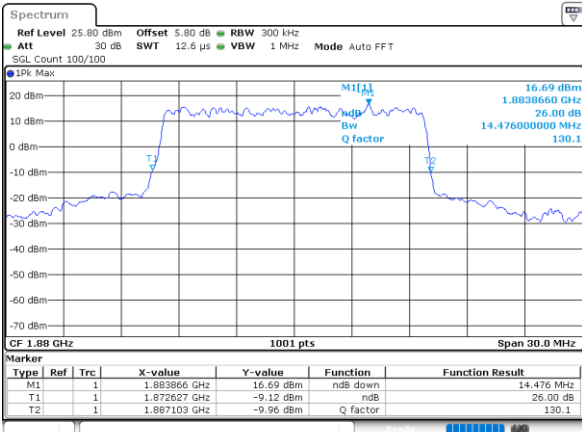
Middle Channel / 10MHz / 16QAM



Date: 14.MAR.2024 03:29:46

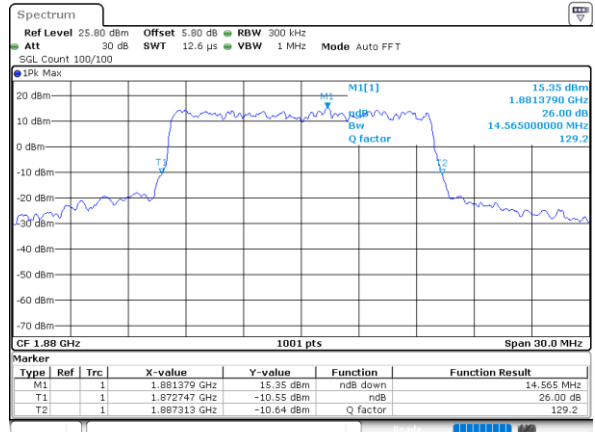
LTE Band 2

Middle Channel / 15MHz / QPSK



Date: 14.MAR.2024 03:25:13

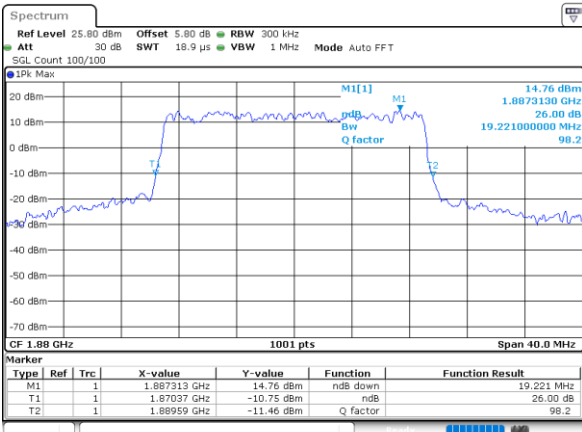
Middle Channel / 15MHz / 16QAM



Date: 14.MAR.2024 03:26:06

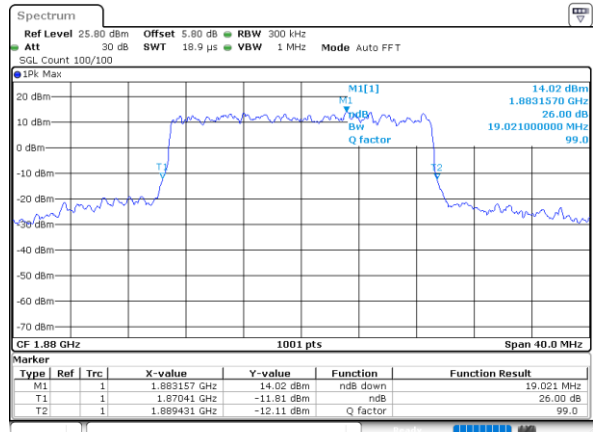
LTE Band 2

Middle Channel / 20MHz / QPSK



Date: 14.MAR.2024 03:19:11

Middle Channel / 20MHz / 16QAM



Date: 14.MAR.2024 03:20:06



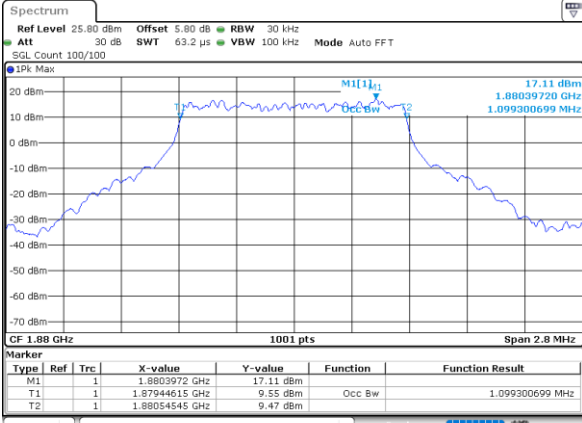
Occupied Bandwidth

Mode	LTE Band 2 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.10	1.10
Mode	LTE Band 2 : 99%OBW(MHz)	
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.73	2.73
Mode	LTE Band 2 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.48	4.50
Mode	LTE Band 2 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.05	9.05
Mode	LTE Band 2 : 99%OBW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.55	13.40
Mode	LTE Band 2 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.98	17.90



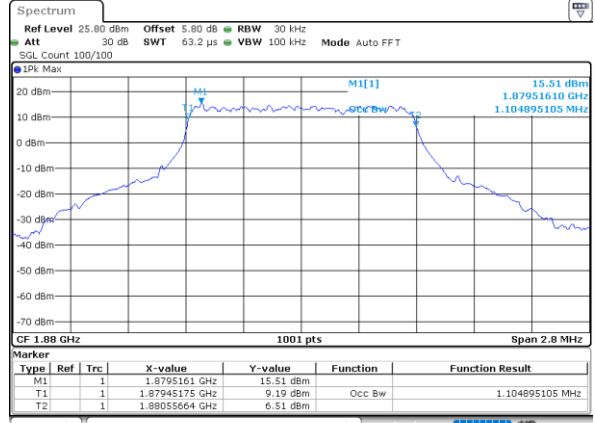
LTE Band 2

Middle Channel / 1.4MHz / QPSK



Date: 14.MAR.2024 03:34:33

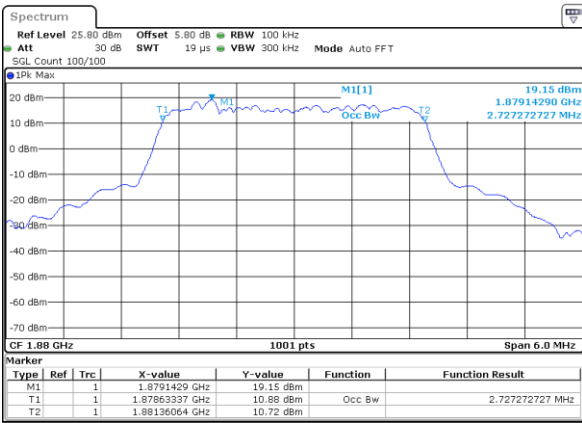
Middle Channel / 1.4MHz / 16QAM



Date: 14.MAR.2024 03:34:59

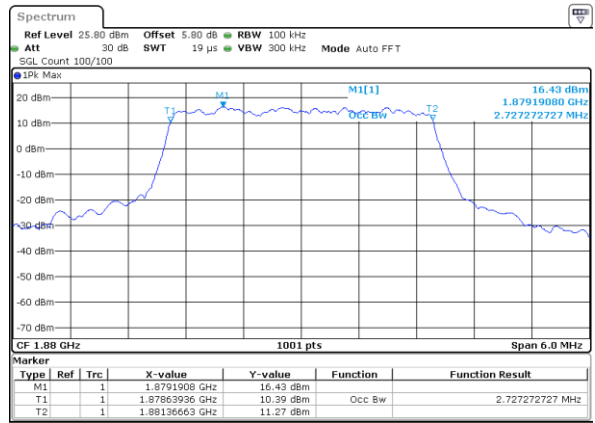
LTE Band 2

Middle Channel / 3MHz / QPSK



Date: 14.MAR.2024 03:32:30

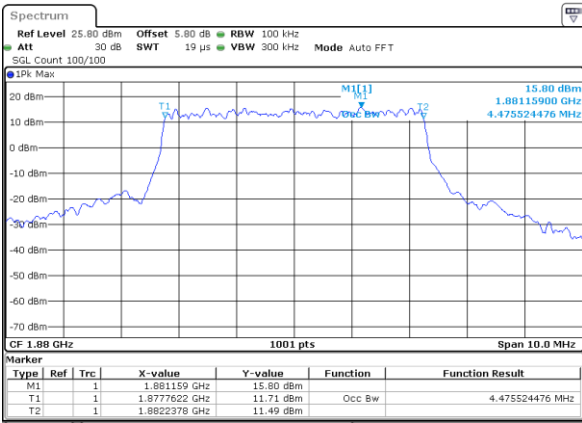
Middle Channel / 3MHz / 16QAM



Date: 14.MAR.2024 03:32:56

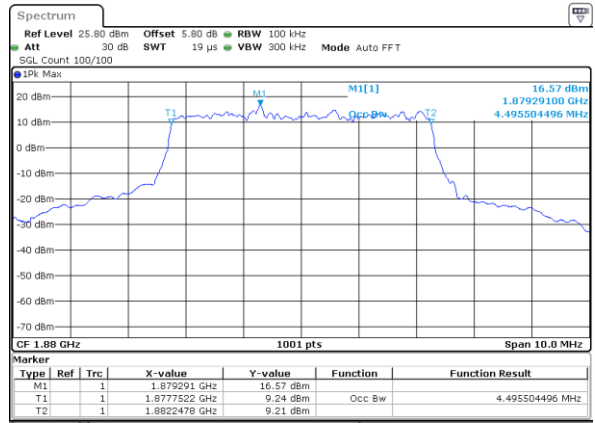
LTE Band 2

Middle Channel / 5MHz / QPSK



Date: 14.MAR.2024 03:30:28

Middle Channel / 5MHz / 16QAM

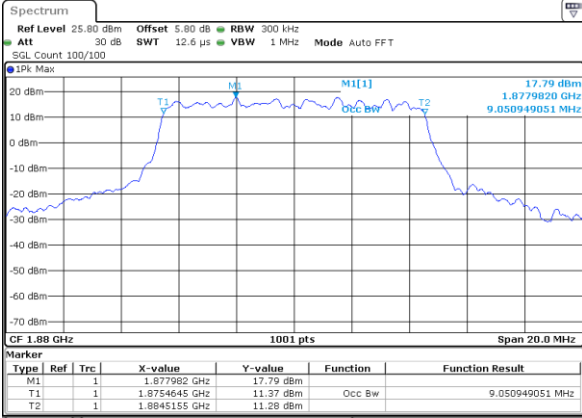


Date: 14.MAR.2024 03:30:53



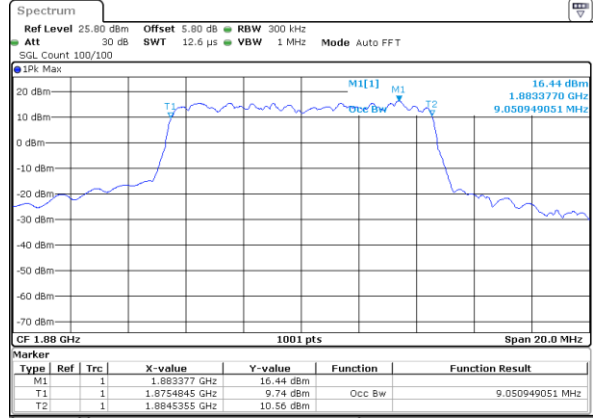
LTE Band 2

Middle Channel / 10MHz / QPSK



Date: 14.MAR.2024 03:29:06

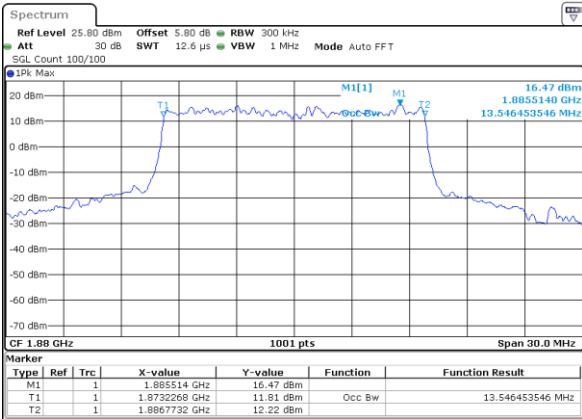
Middle Channel / 10MHz / 16QAM



Date: 14.MAR.2024 03:29:32

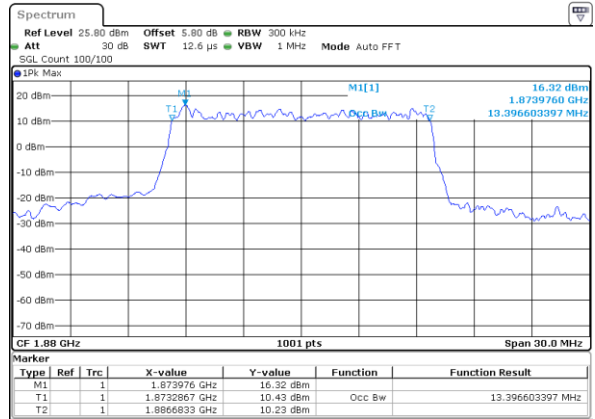
LTE Band 2

Middle Channel / 15MHz / QPSK



Date: 14.MAR.2024 03:25:27

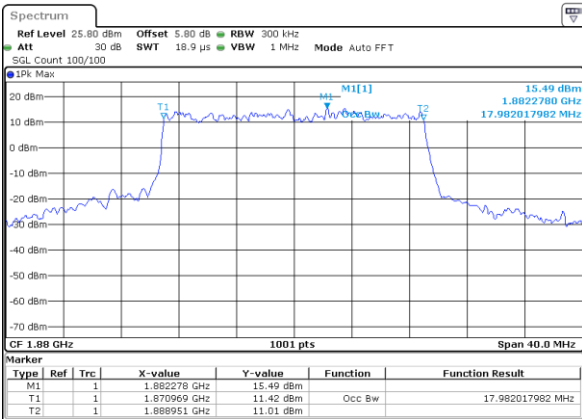
Middle Channel / 15MHz / 16QAM



Date: 14.MAR.2024 03:25:52

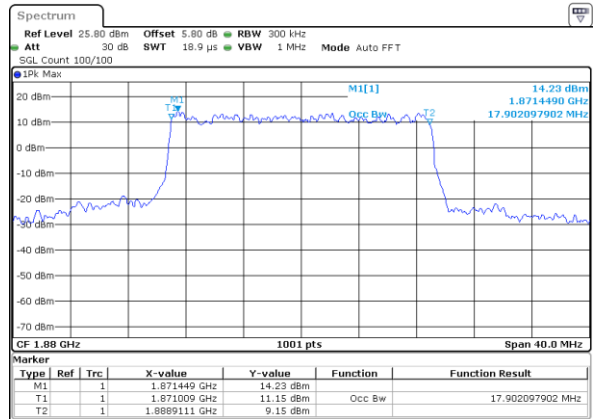
LTE Band 2

Middle Channel / 20MHz / QPSK



Date: 14.MAR.2024 03:19:25

Middle Channel / 20MHz / 16QAM



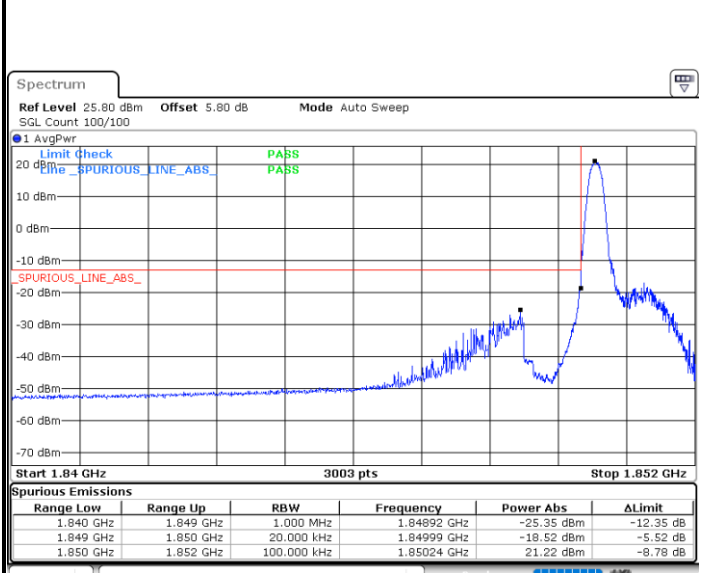
Date: 14.MAR.2024 03:20:20



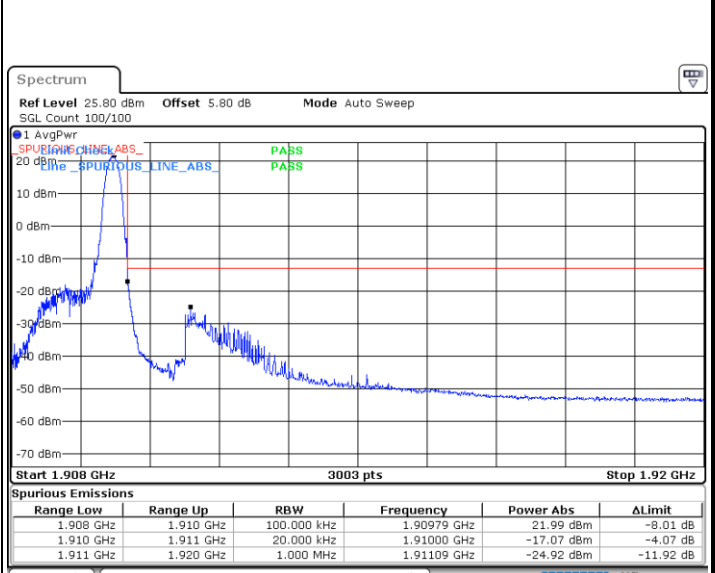
Conducted Band Edge

LTE Band 2 / 1.4MHz / QPSK

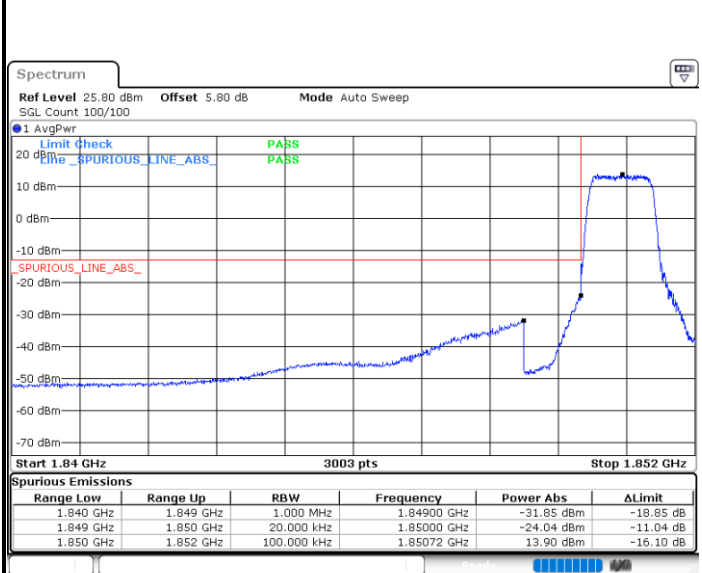
Lowest Band Edge / 1RB



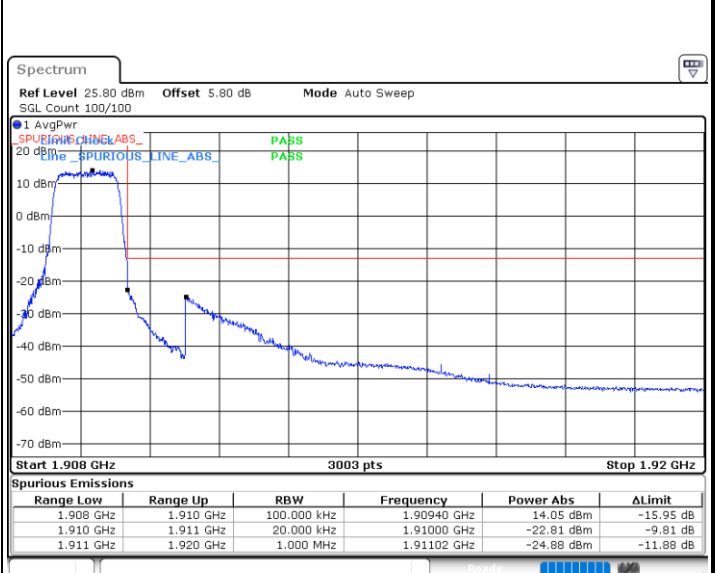
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



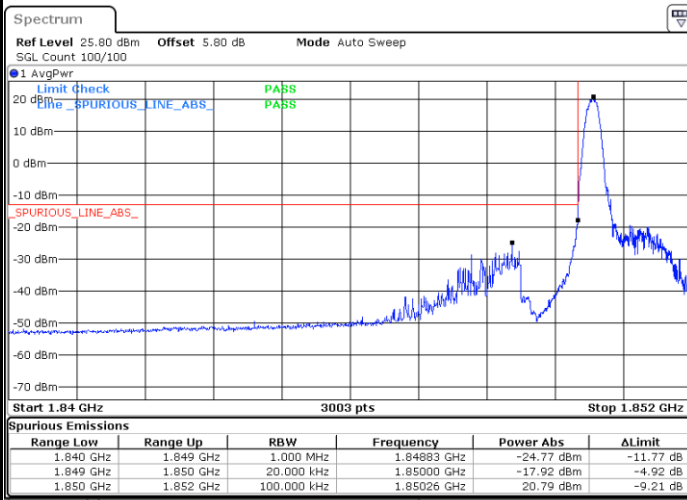
Highest Band Edge / Full RB





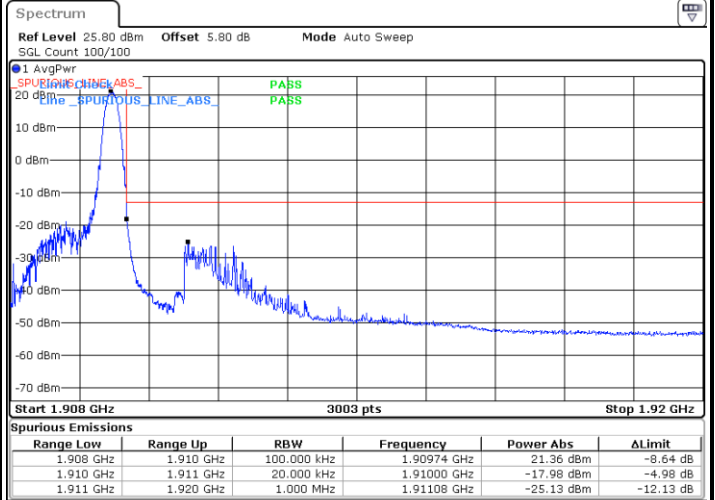
LTE Band 2 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



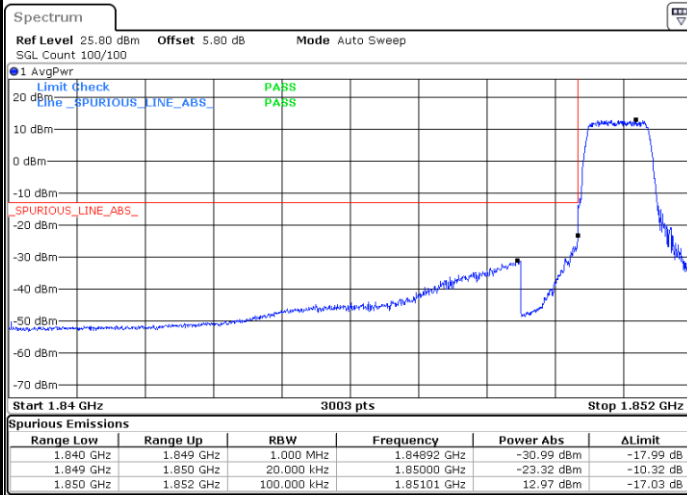
Date: 14.MAR.2024 01:09:37

Highest Band Edge / 1 RB



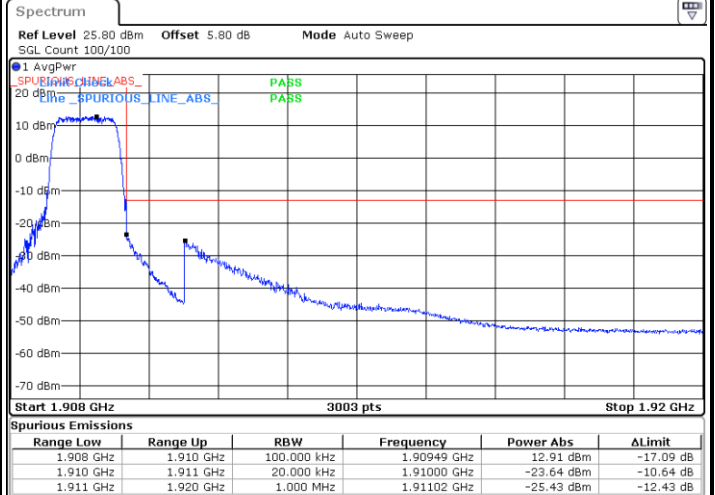
Date: 14.MAR.2024 01:57:48

Lowest Band Edge / Full RB



Date: 14.MAR.2024 01:52:31

Highest Band Edge / Full RB

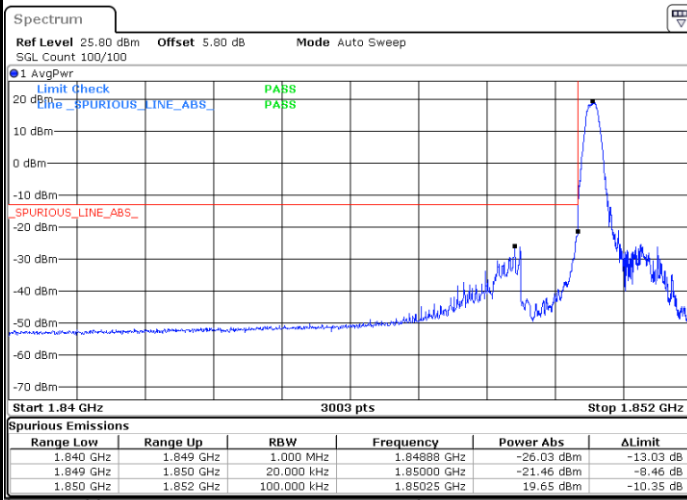


Date: 14.MAR.2024 02:00:36



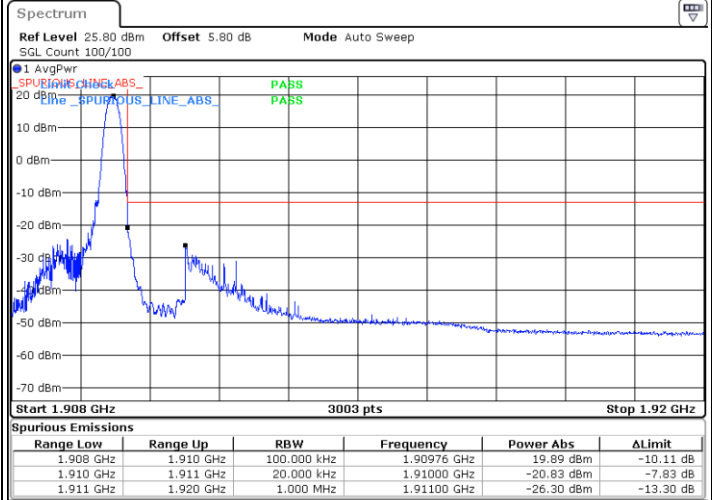
LTE Band 2 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



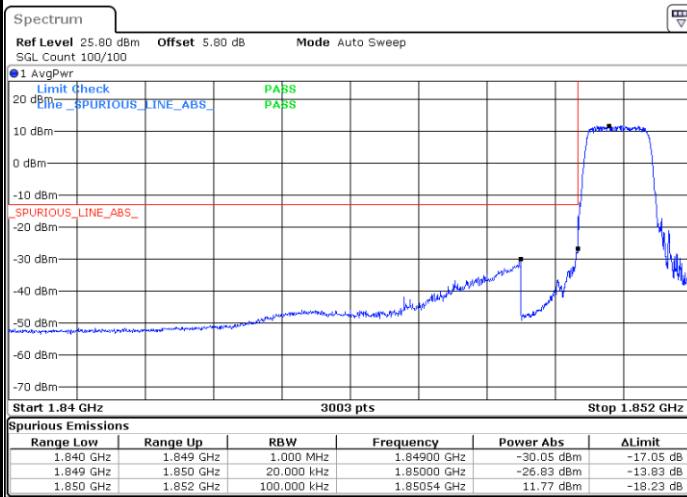
Date: 14.MAR.2024 01:10:33

Highest Band Edge / 1 RB



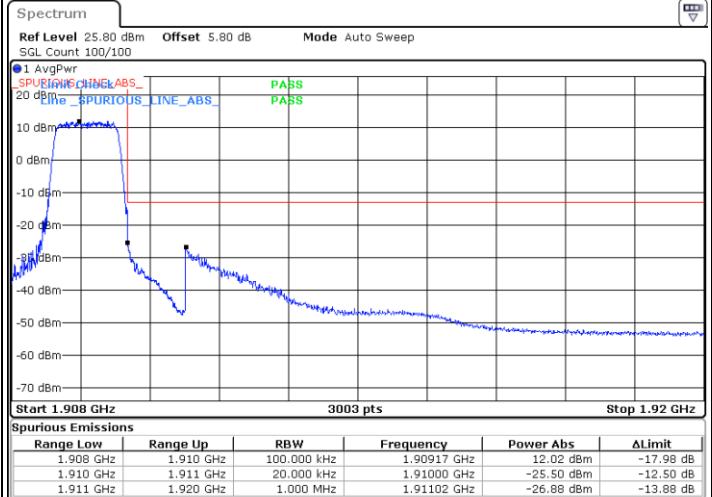
Date: 14.MAR.2024 01:58:44

Lowest Band Edge / Full RB



Date: 14.MAR.2024 01:53:27

Highest Band Edge / Full RB

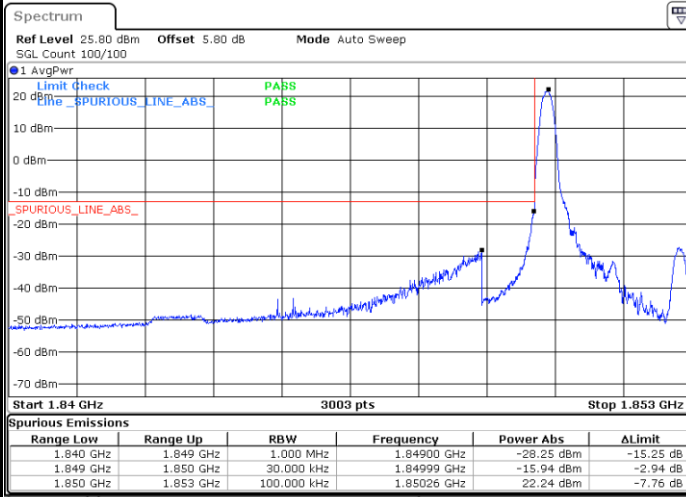


Date: 14.MAR.2024 02:01:32



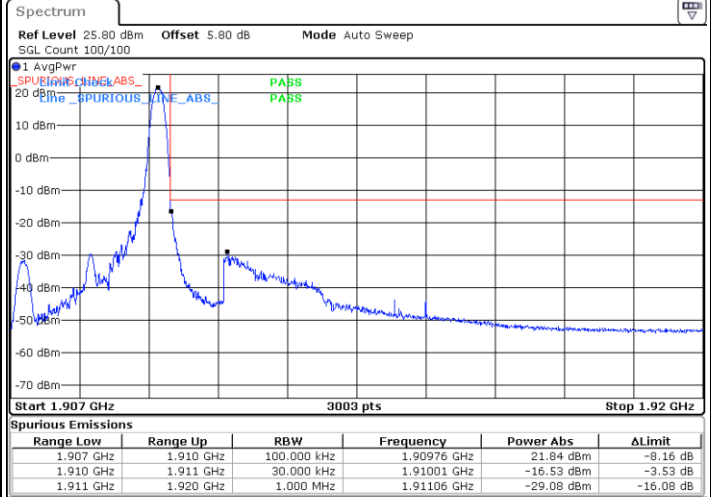
LTE Band 2 / 3MHz / QPSK

Lowest Band Edge / 1RB



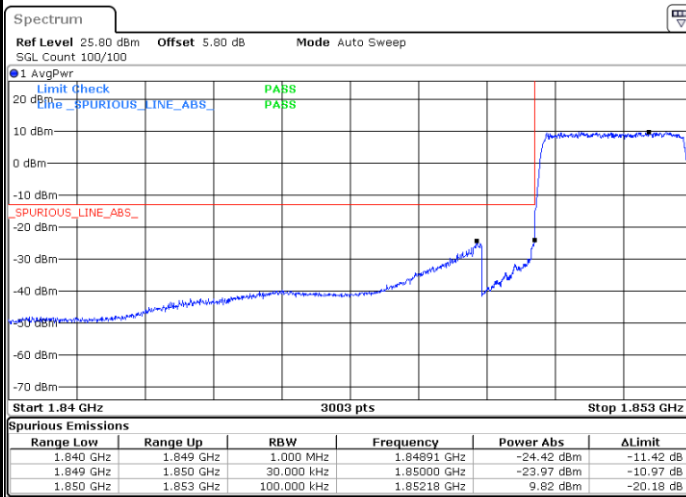
Date: 14.MAR.2024 02:04:14

Highest Band Edge / 1 RB



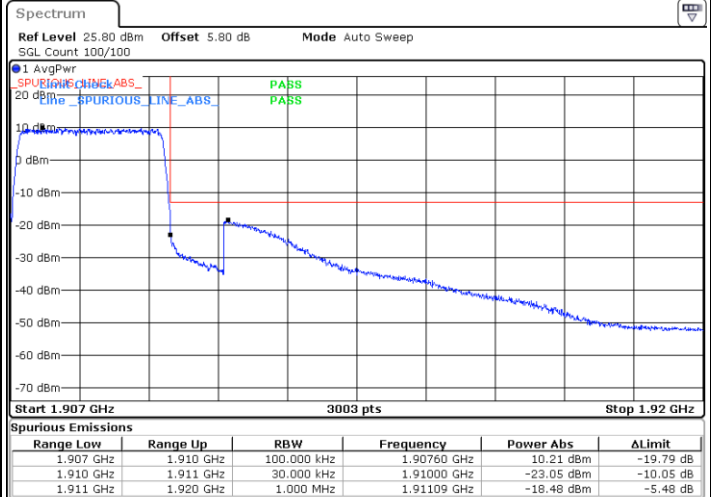
Date: 14.MAR.2024 02:12:19

Lowest Band Edge / Full RB



Date: 14.MAR.2024 02:07:02

Highest Band Edge / Full RB

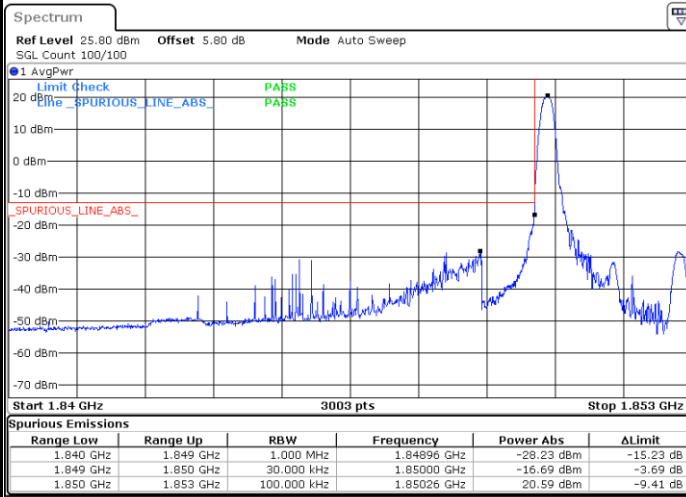


Date: 14.MAR.2024 02:15:07



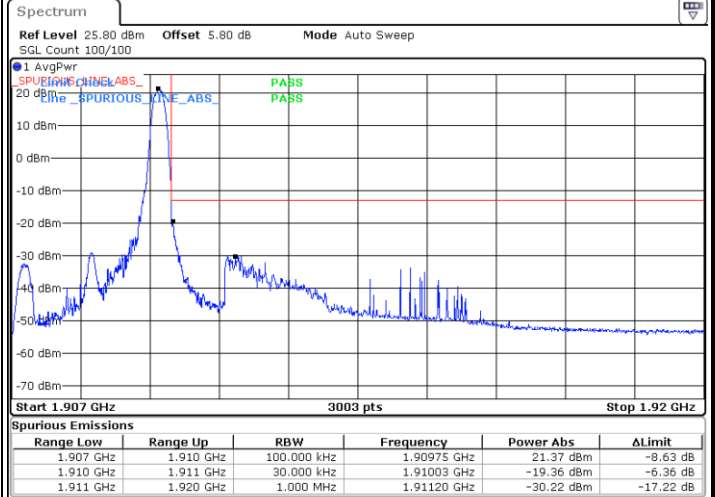
LTE Band 2 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



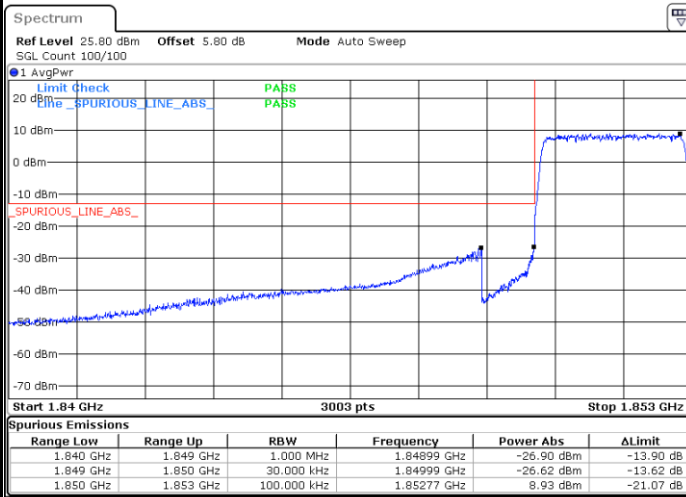
Date: 14.MAR.2024 02:05:10

Highest Band Edge / 1 RB



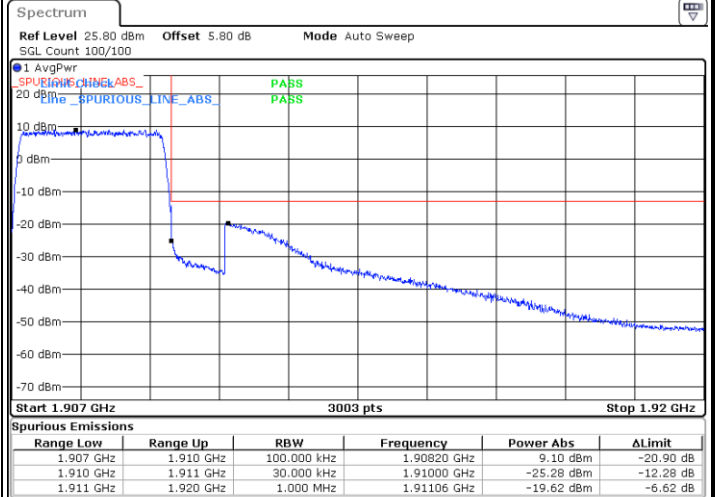
Date: 14.MAR.2024 02:13:15

Lowest Band Edge / Full RB



Date: 14.MAR.2024 02:07:58

Highest Band Edge / Full RB

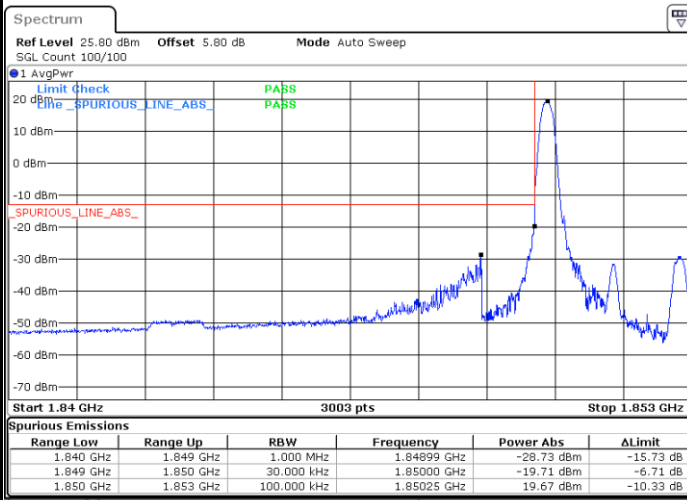


Date: 14.MAR.2024 02:16:03



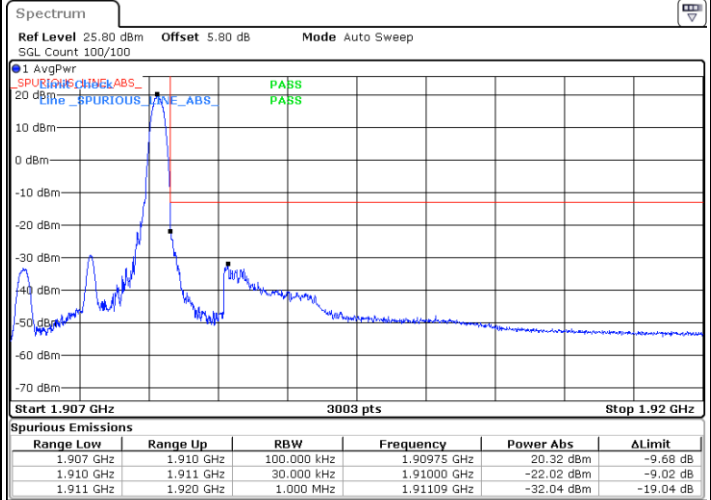
LTE Band 2 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



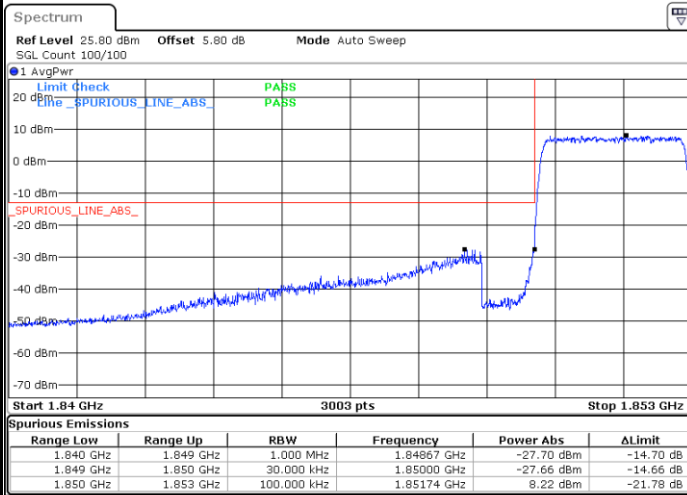
Date: 14.MAR.2024 02:06:06

Highest Band Edge / 1 RB



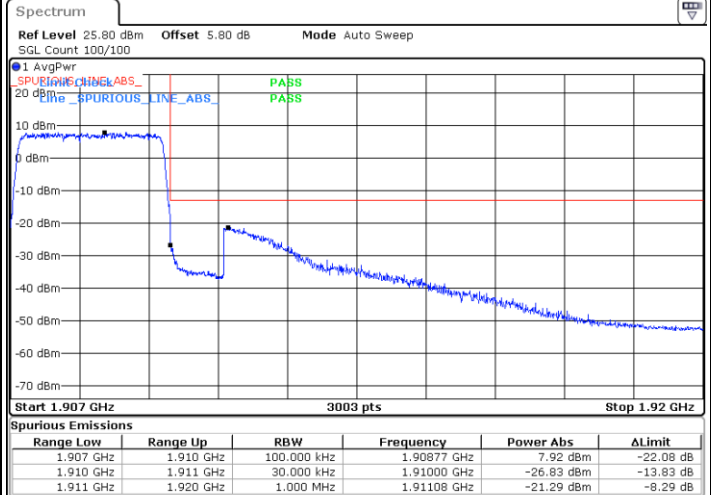
Date: 14.MAR.2024 02:14:11

Lowest Band Edge / Full RB



Date: 14.MAR.2024 02:09:53

Highest Band Edge / Full RB

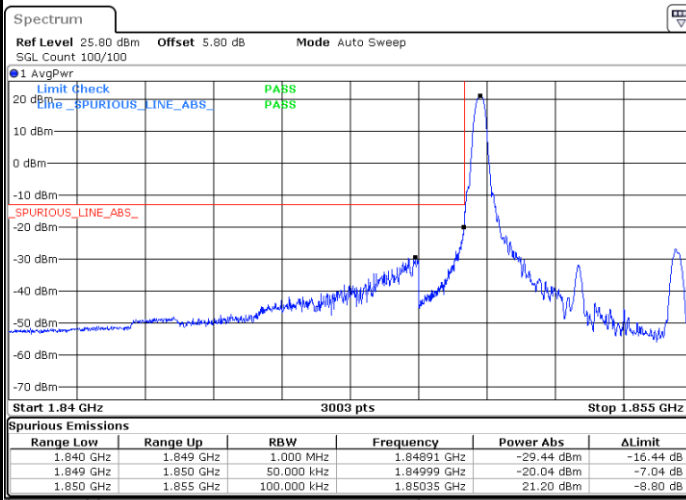


Date: 14.MAR.2024 02:16:59



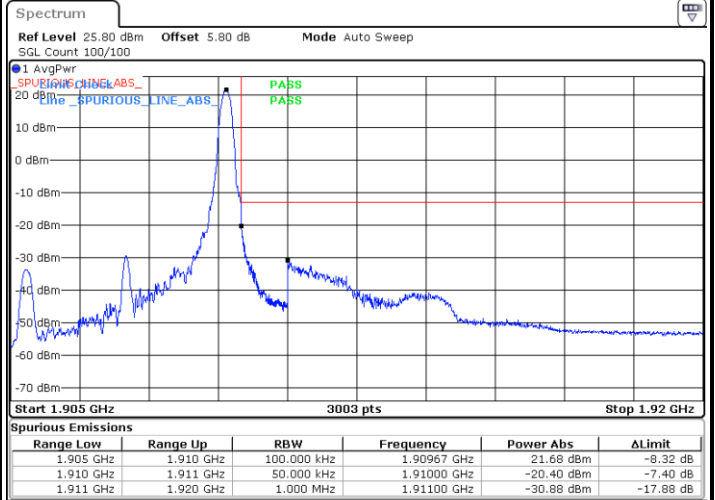
LTE Band 2 / 5MHz / QPSK

Lowest Band Edge / 1 RB



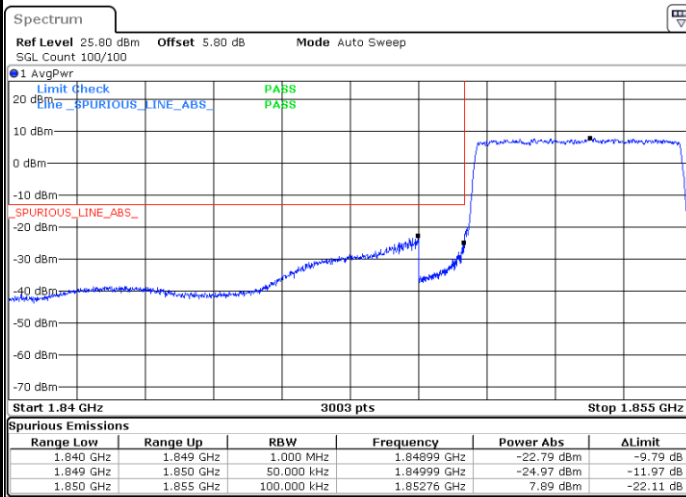
Date: 14.MAR.2024 02:19:41

Highest Band Edge / 1 RB



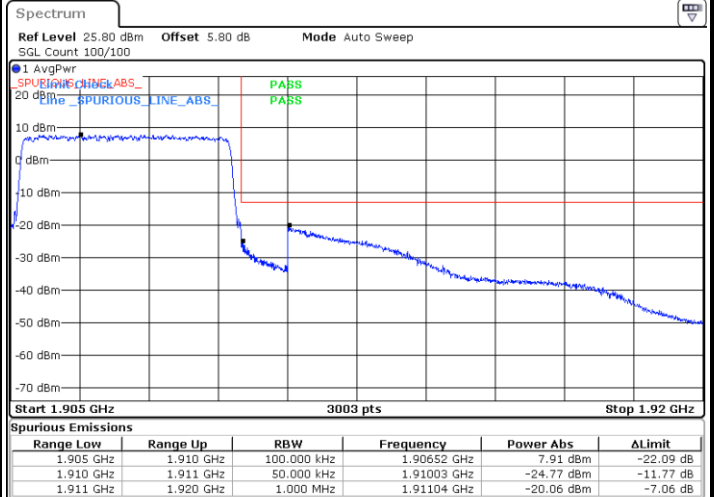
Date: 14.MAR.2024 02:27:46

Lowest Band Edge / Full RB



Date: 14.MAR.2024 02:22:29

Highest Band Edge / Full RB

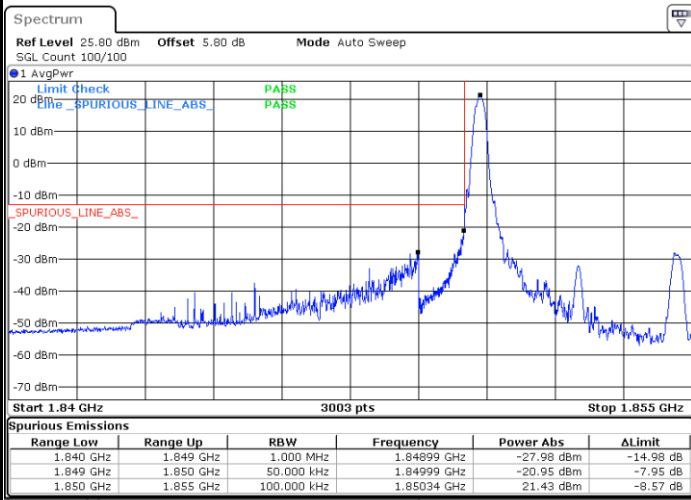


Date: 14.MAR.2024 02:30:34



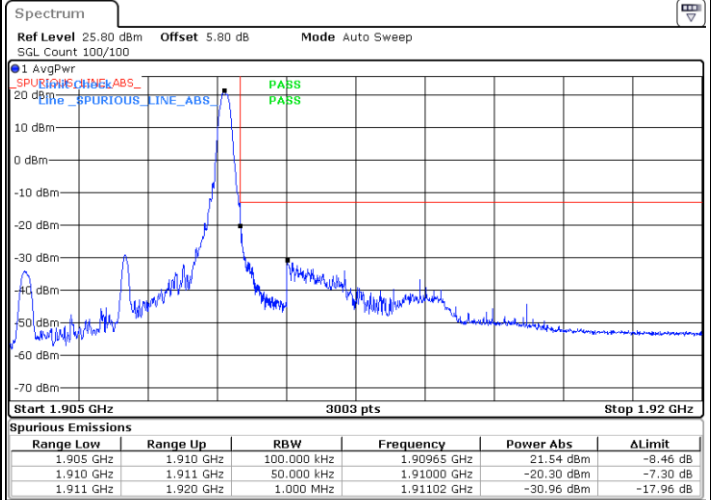
LTE Band 2 / 5MHz / 16QAM

Lowest Band Edge / 1RB



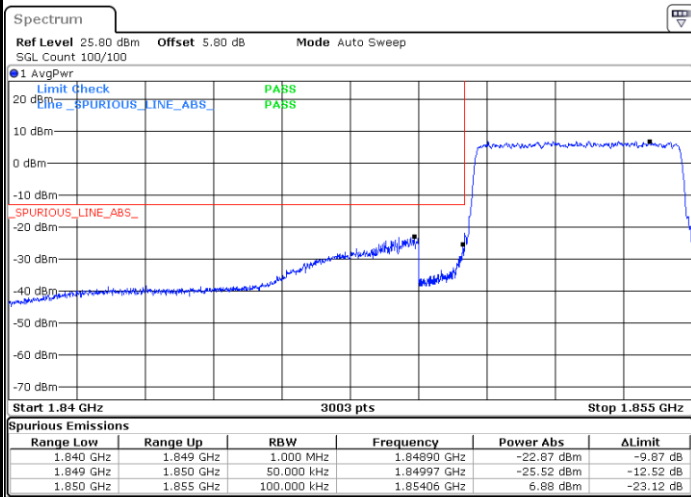
Date: 14.MAR.2024 02:20:37

Highest Band Edge / 1 RB



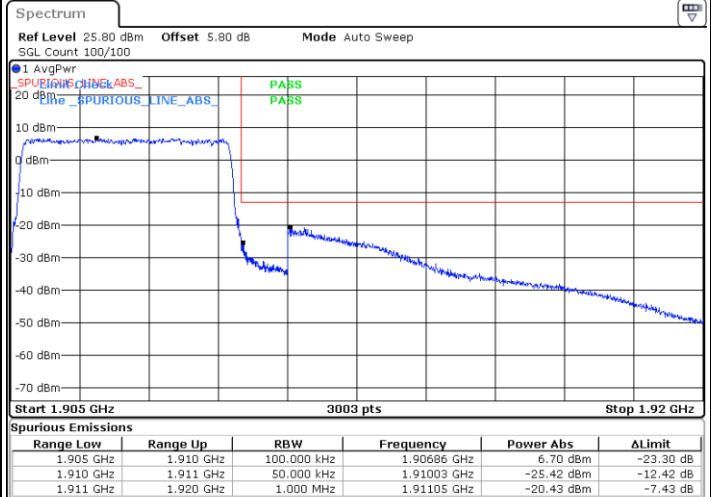
Date: 14.MAR.2024 02:28:42

Lowest Band Edge / Full RB



Date: 14.MAR.2024 02:23:24

Highest Band Edge / Full RB

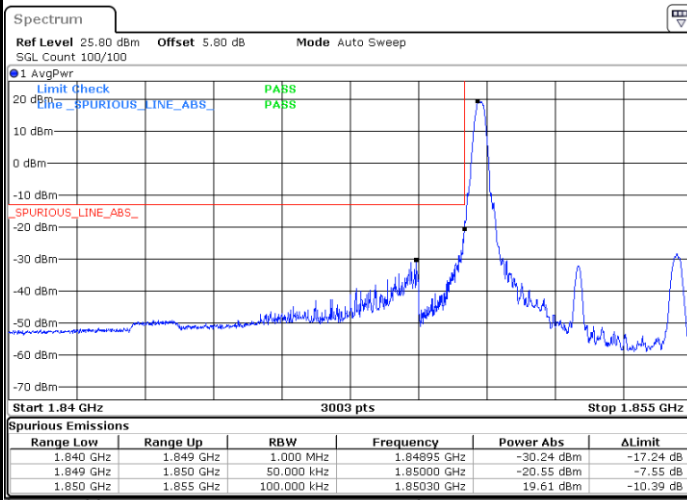


Date: 14.MAR.2024 02:31:29



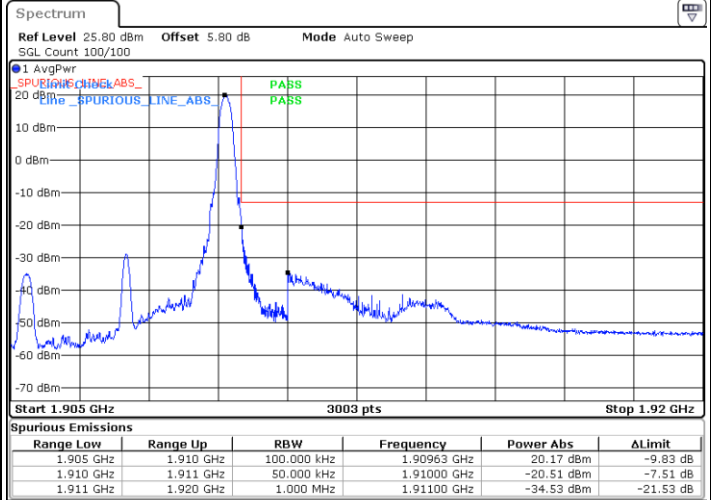
LTE Band 2 / 5MHz / 64QAM

Lowest Band Edge / 1RB



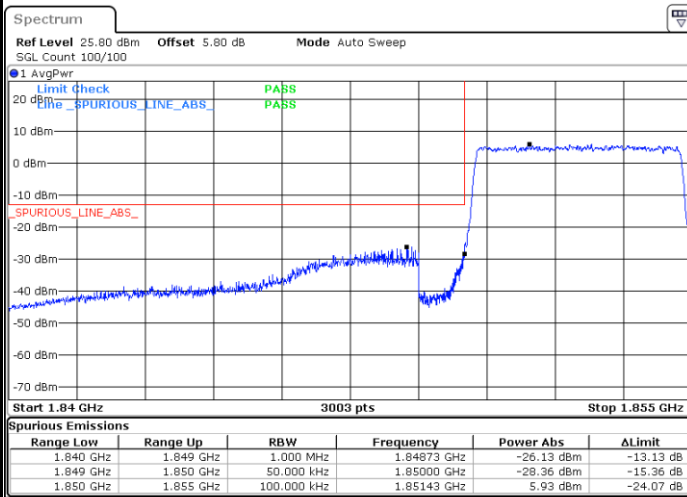
Date: 14.MAR.2024 02:21:33

Highest Band Edge / 1 RB



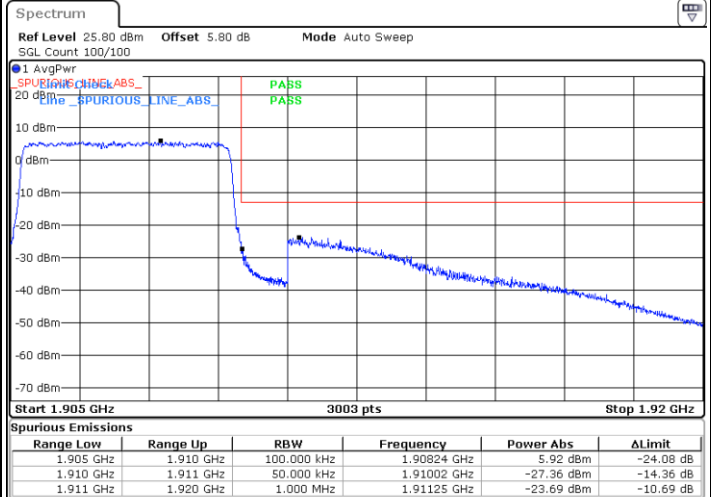
Date: 14.MAR.2024 02:29:38

Lowest Band Edge / Full RB



Date: 14.MAR.2024 02:24:20

Highest Band Edge / Full RB

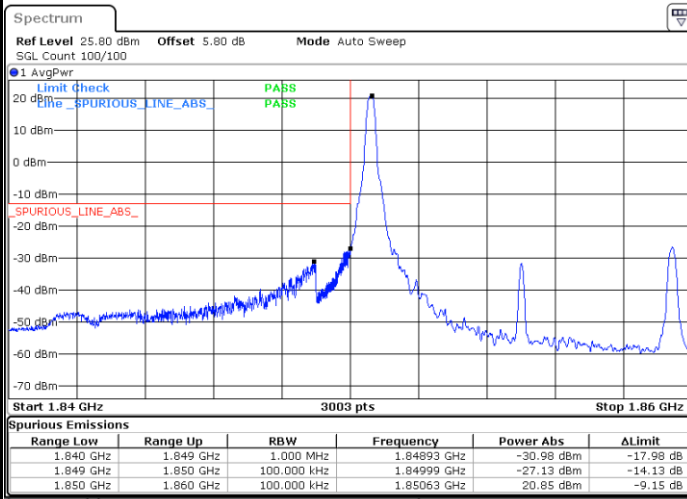


Date: 14.MAR.2024 02:32:25



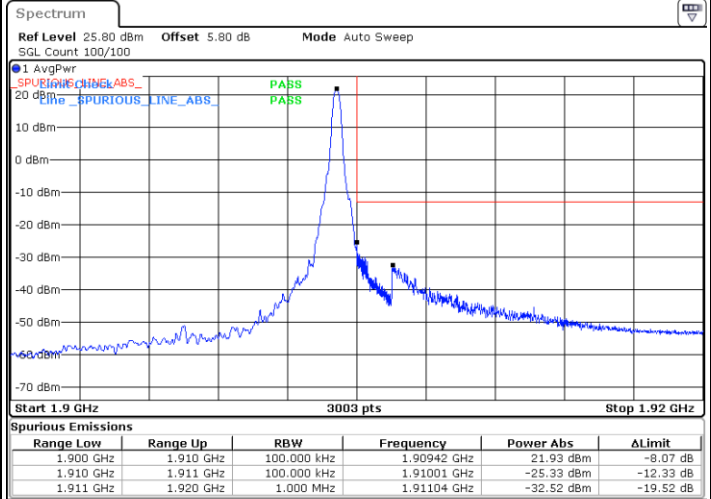
LTE Band 2 / 10MHz / QPSK

Lowest Band Edge / 1 RB



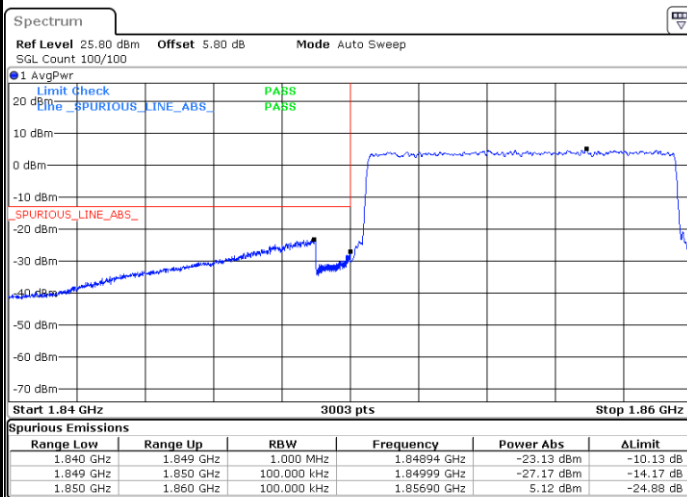
Date: 14.MAR.2024 02:35:07

Highest Band Edge / 1 RB



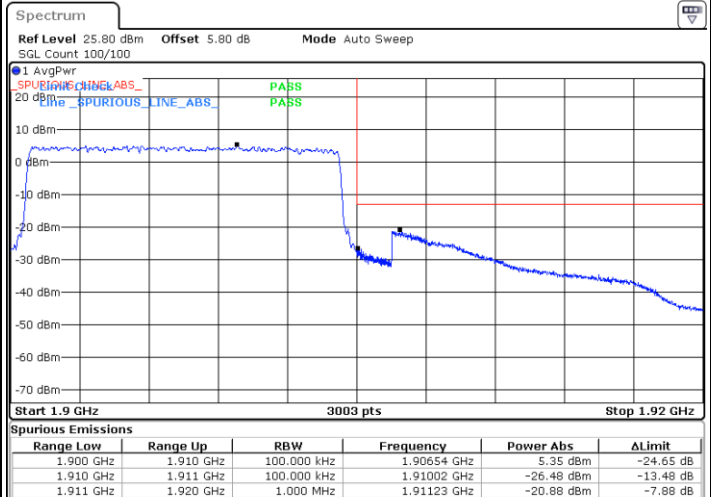
Date: 14.MAR.2024 02:43:13

Lowest Band Edge / Full RB



Date: 14.MAR.2024 02:37:55

Highest Band Edge / Full RB

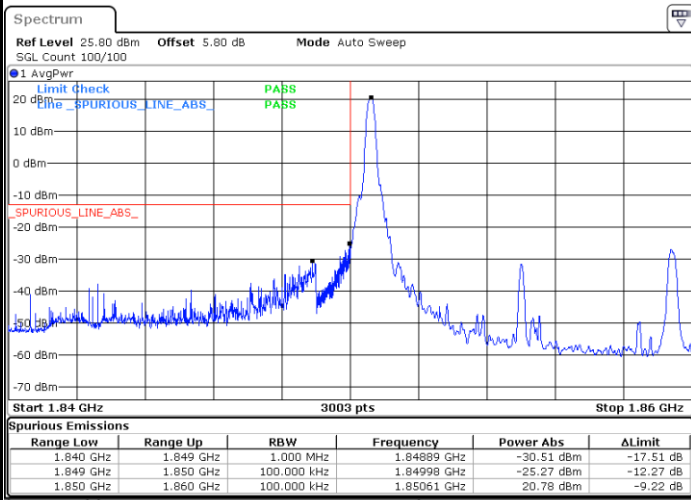


Date: 14.MAR.2024 02:46:00



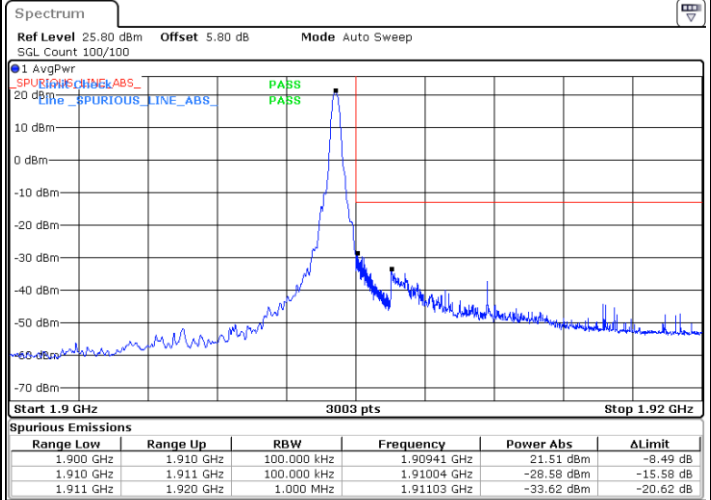
LTE Band 2 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



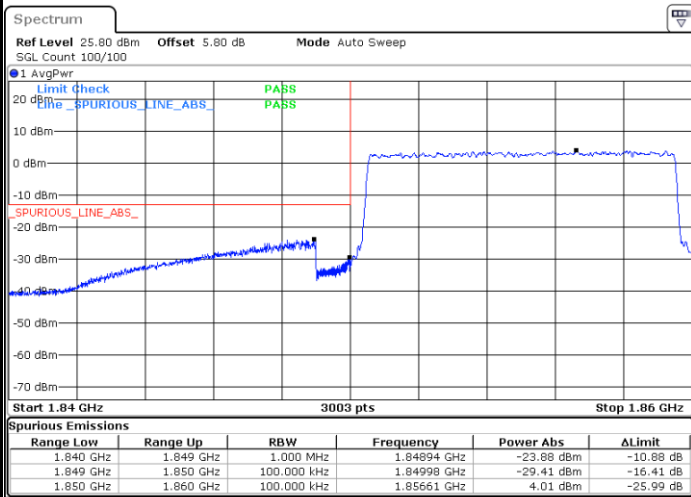
Date: 14.MAR.2024 02:36:03

Highest Band Edge / 1 RB



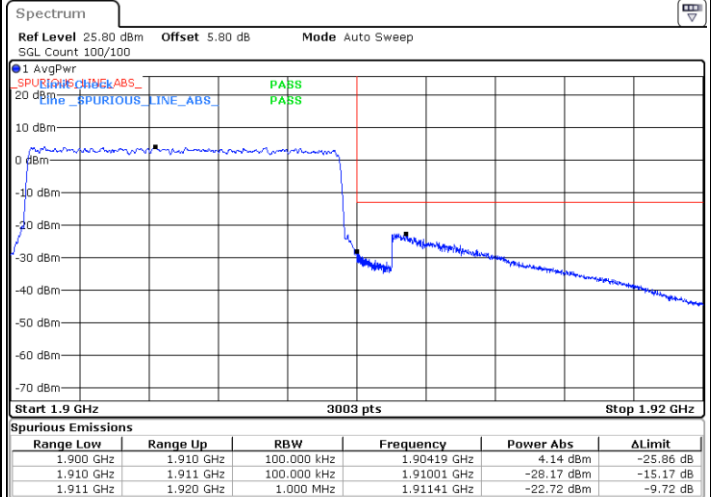
Date: 14.MAR.2024 02:44:08

Lowest Band Edge / Full RB



Date: 14.MAR.2024 02:38:51

Highest Band Edge / Full RB

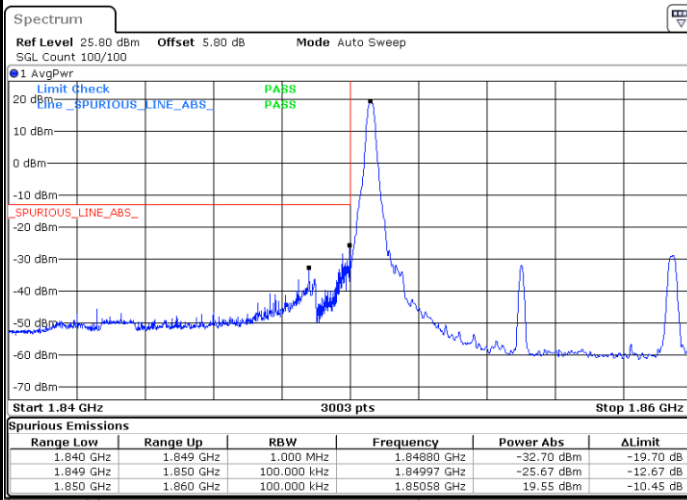


Date: 14.MAR.2024 02:46:56



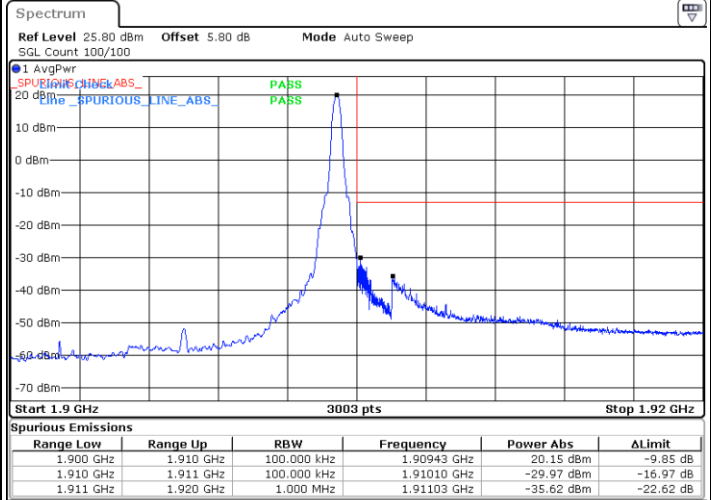
LTE Band 2 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



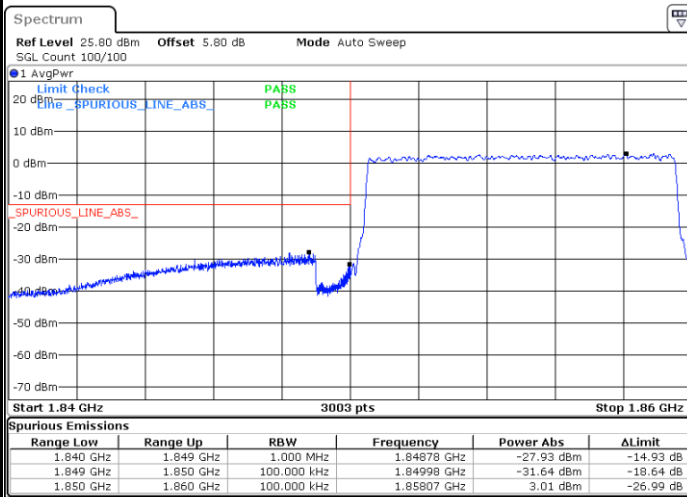
Date: 14.MAR.2024 02:36:59

Highest Band Edge / 1 RB



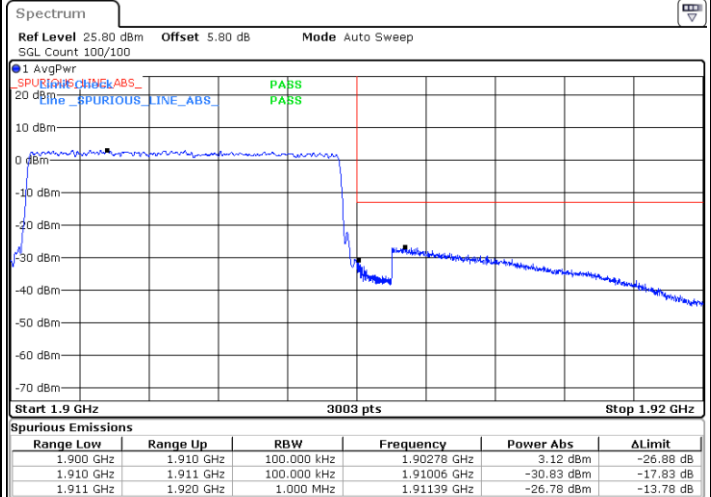
Date: 14.MAR.2024 02:45:04

Lowest Band Edge / Full RB



Date: 14.MAR.2024 02:39:47

Highest Band Edge / Full RB



Date: 14.MAR.2024 02:47:52