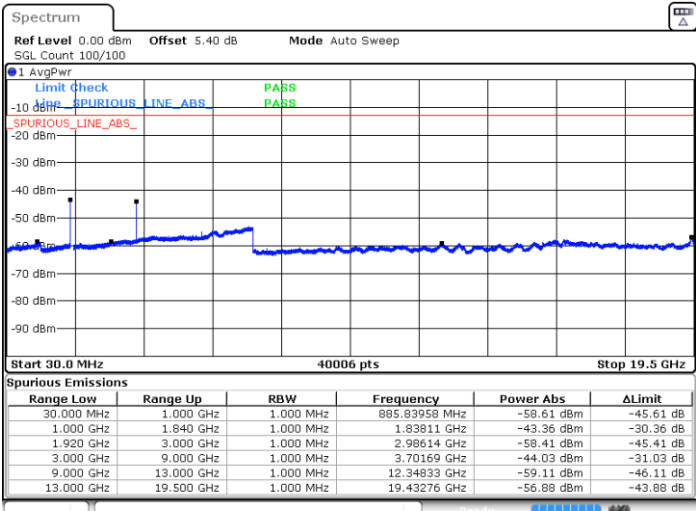




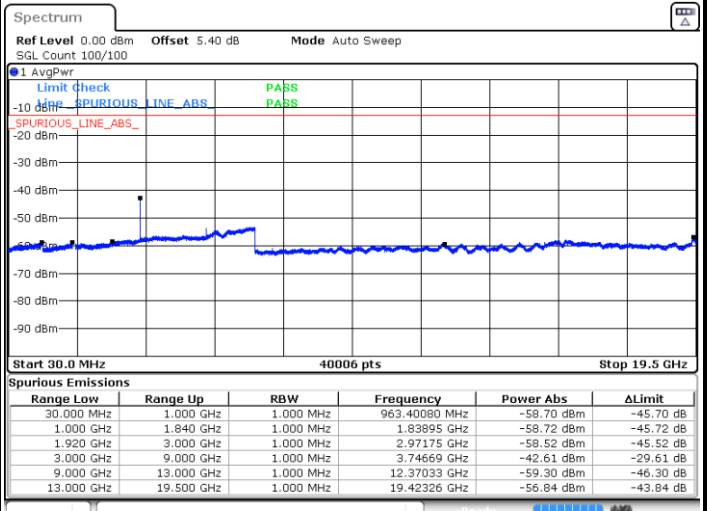
LTE Band 2 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

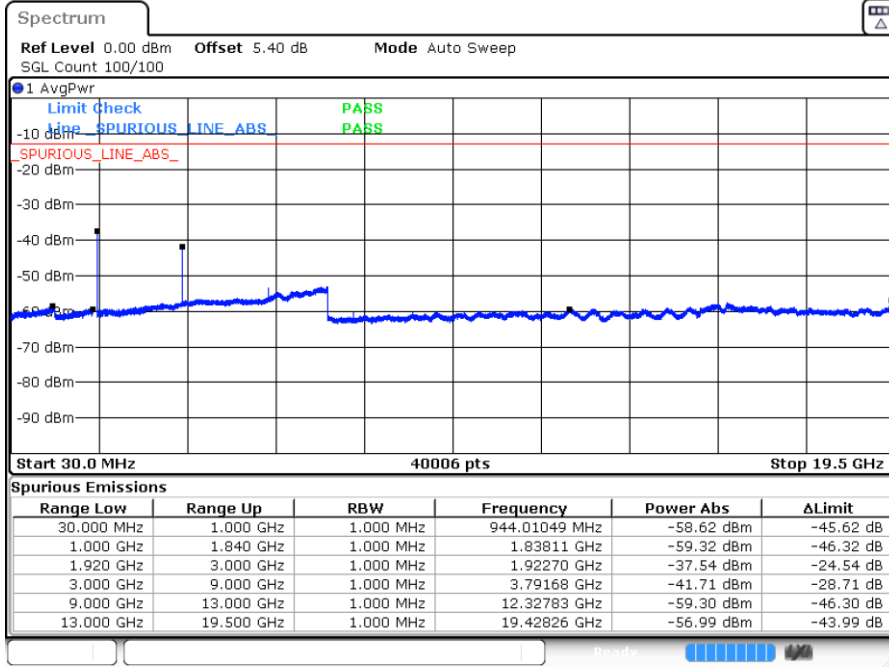


Date: 15 FEB 2023 21:41:09



Date: 15 FEB 2023 21:48:39

Highest Channel / QPSK



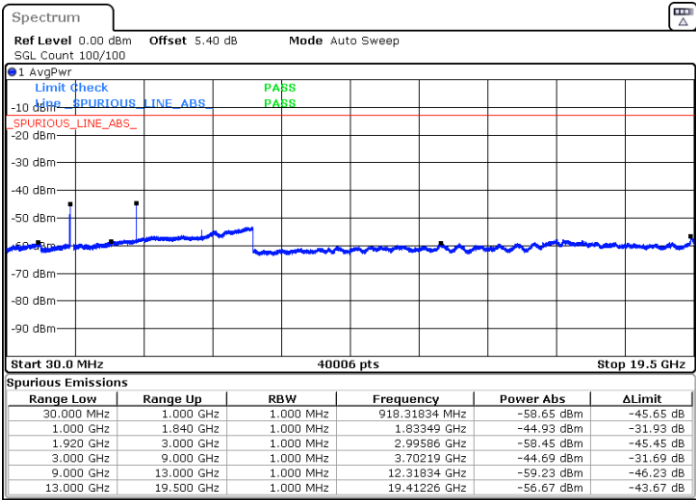
Date: 15.FEB.2023 21:49:58



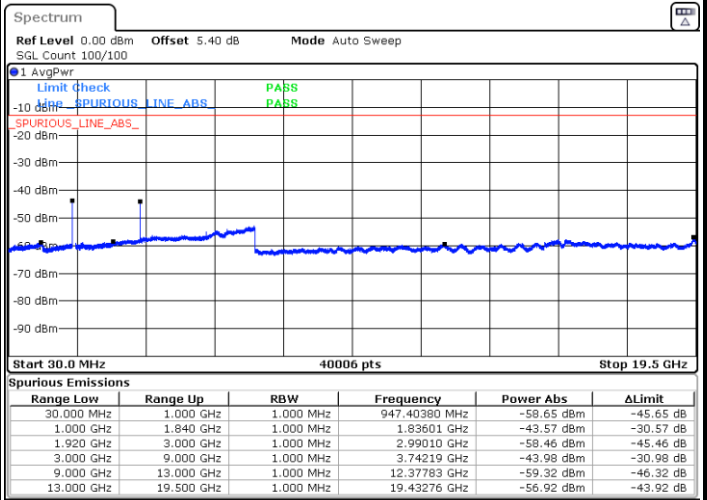
LTE Band 2 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

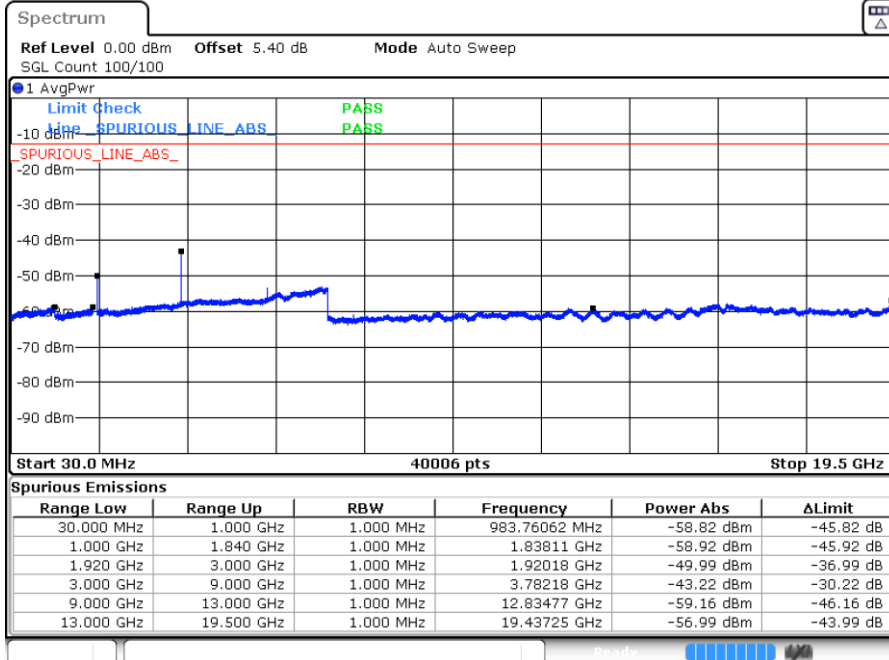


Date: 15 FEB 2023 21:56:47



Date: 15 FEB 2023 22:04:18

Highest Channel / QPSK



Date: 15.FEB.2023 22:05:37



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	0.0042	
30	Normal Voltage	0.0031	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0046	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0024	
20	End Point	0.0008	

Note:

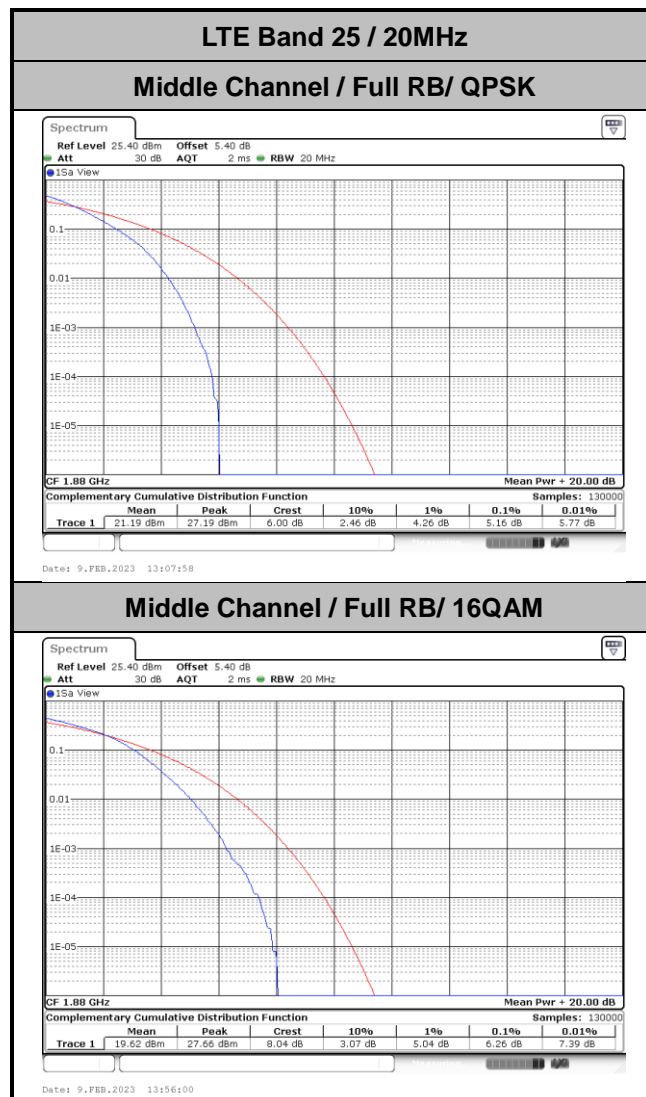
1. Normal Voltage = 3.8 V. ; End Point (BEP) =3.3 V. ; Maximum Voltage = 4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 25

## Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	5.16	6.26	PASS





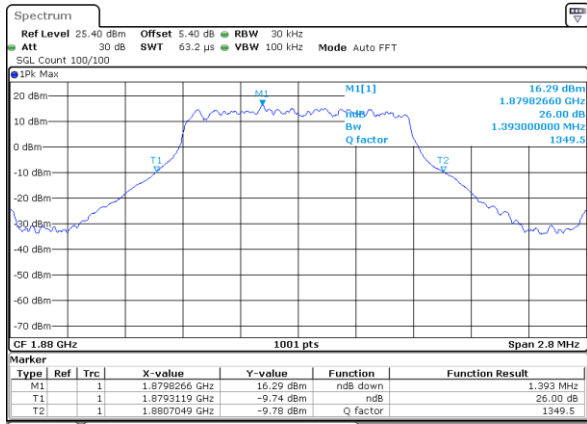
**26dB Bandwidth**

Mode	LTE Band 25 : 26dB BW(MHz)	
<b>BW</b>	<b>1.4MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	1.39	1.42
<b>BW</b>	<b>3MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	3.03	2.97
<b>BW</b>	<b>5MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	4.85	5.05
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	9.65	6.11
<b>BW</b>	<b>15MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	15.64	7.40
<b>BW</b>	<b>20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	19.58	7.23



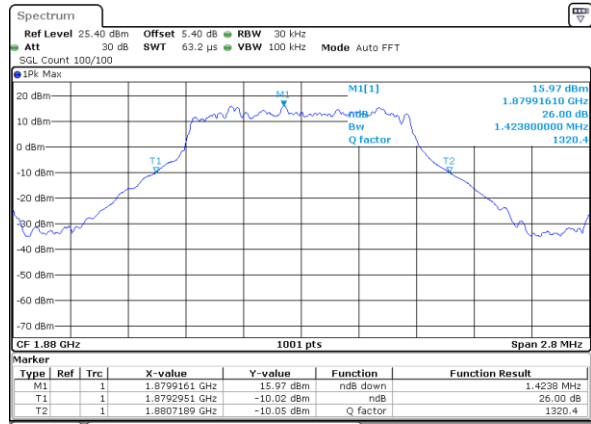
LTE Band 25

Middle Channel / 1.4MHz / QPSK



Date: 9.FEB.2023 10:10:08

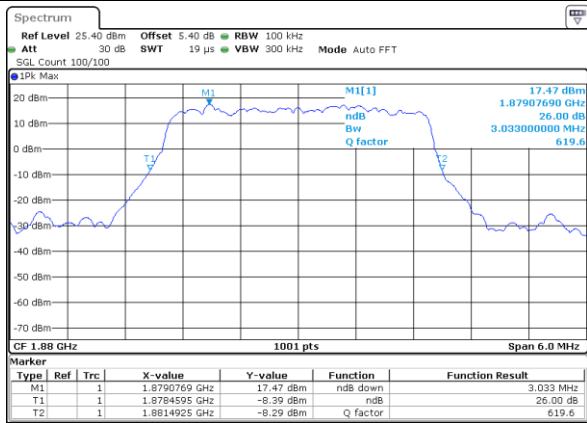
Middle Channel / 1.4MHz / 16QAM



Date: 9.FEB.2023 10:10:29

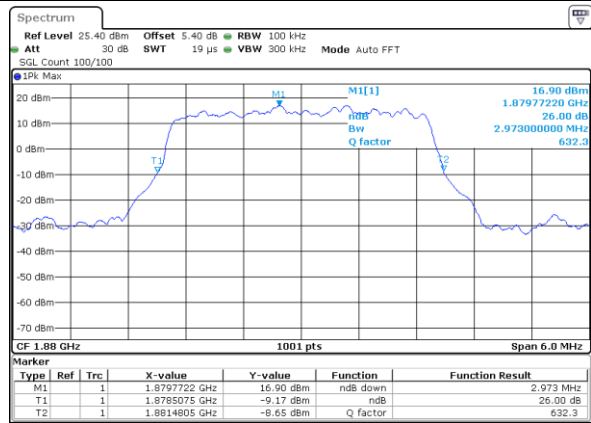
LTE Band 25

Middle Channel / 3MHz / QPSK



Date: 9.FEB.2023 10:29:07

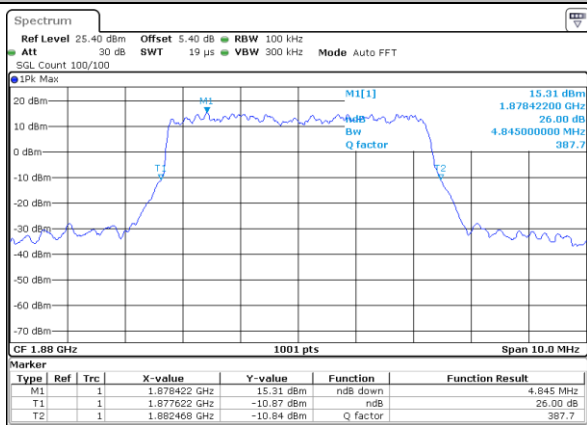
Middle Channel / 3MHz / 16QAM



Date: 9.FEB.2023 10:29:50

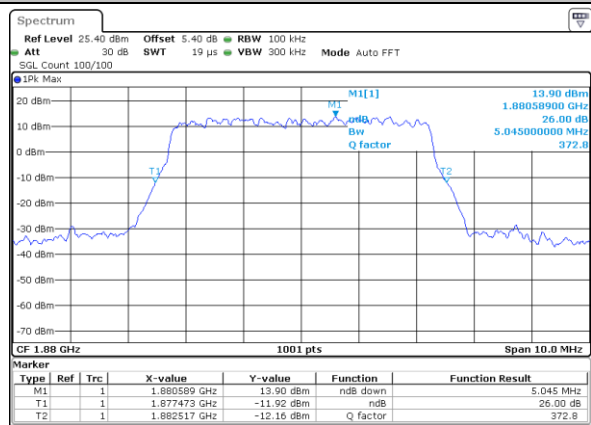
LTE Band 25

Middle Channel / 5MHz / QPSK



Date: 9.FEB.2023 10:49:27

Middle Channel / 5MHz / 16QAM

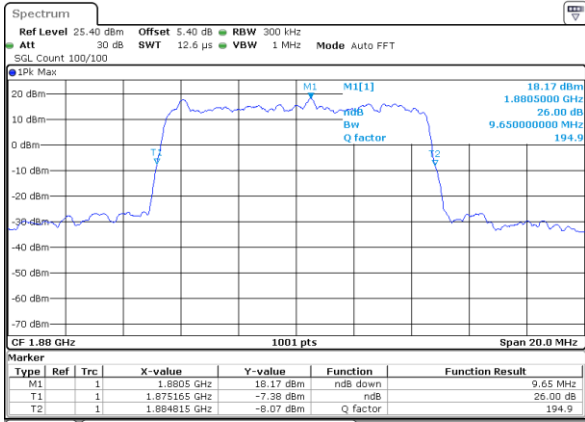


Date: 9.FEB.2023 10:49:49



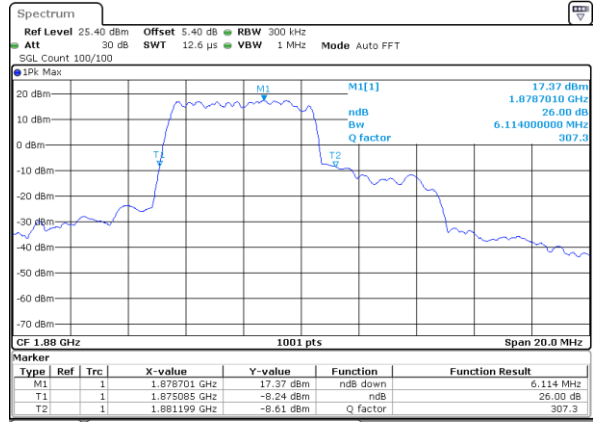
LTE Band 25

Middle Channel / 10MHz / QPSK



Date: 9.FEB.2023 11:08:25

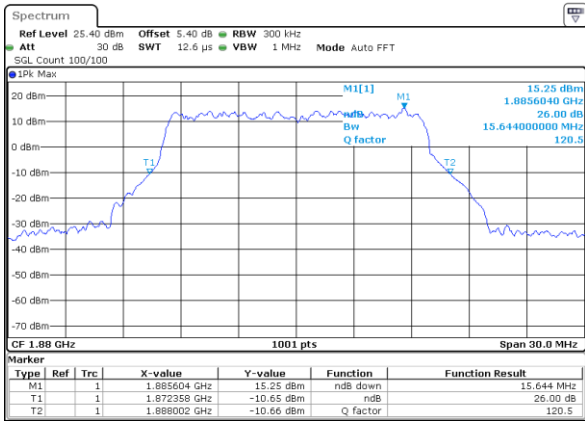
Middle Channel / 10MHz / 16QAM



Date: 9.FEB.2023 13:45:18

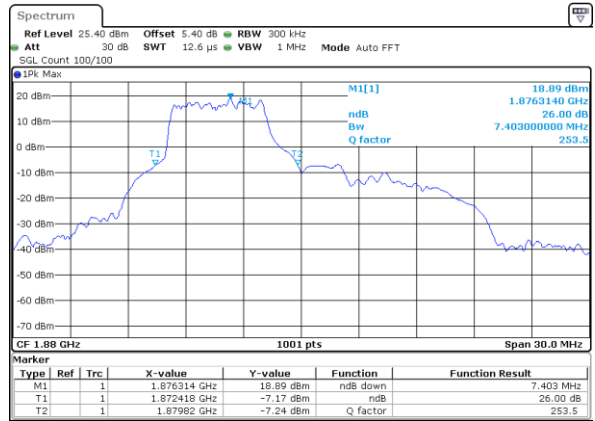
LTE Band 25

Middle Channel / 15MHz / QPSK



Date: 9.FEB.2023 12:51:21

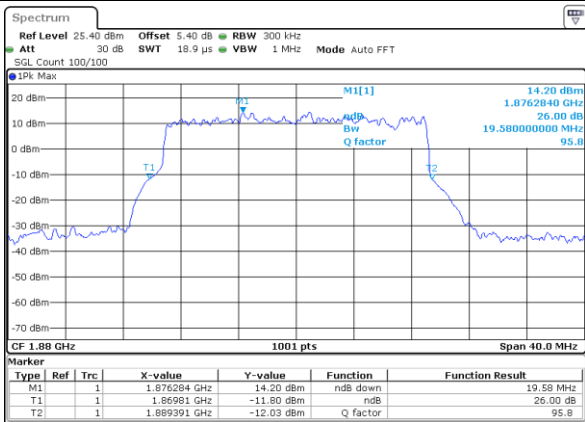
Middle Channel / 15MHz / 16QAM



Date: 9.FEB.2023 13:51:13

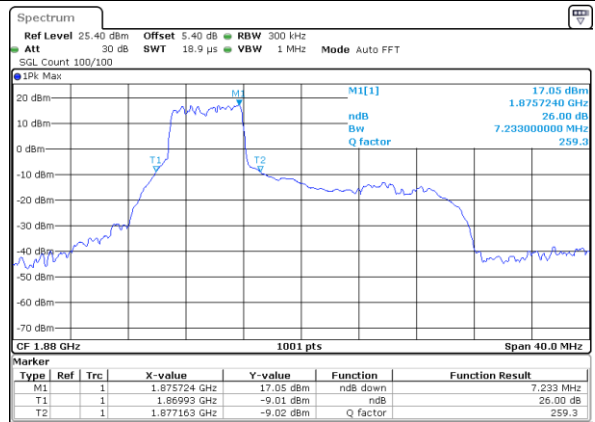
LTE Band 25

Middle Channel / 20MHz / QPSK



Date: 9.FEB.2023 13:02:52

Middle Channel / 20MHz / 16QAM



Date: 9.FEB.2023 13:54:54



Occupied Bandwidth

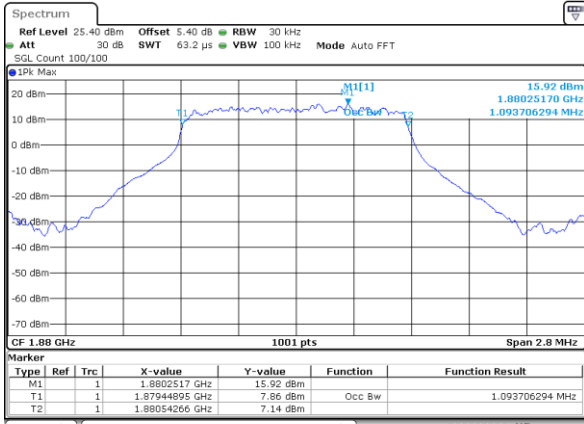
Mode	LTE Band 25 : 99%OBW(MHz)	
<b>BW</b>	<b>1.4MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	1.09	1.10
<b>BW</b>	<b>3MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	2.74	2.69
<b>BW</b>	<b>5MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	4.47	4.48
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	8.97	5.11
<b>BW</b>	<b>15MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	13.49	5.60
<b>BW</b>	<b>20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	17.78	5.19





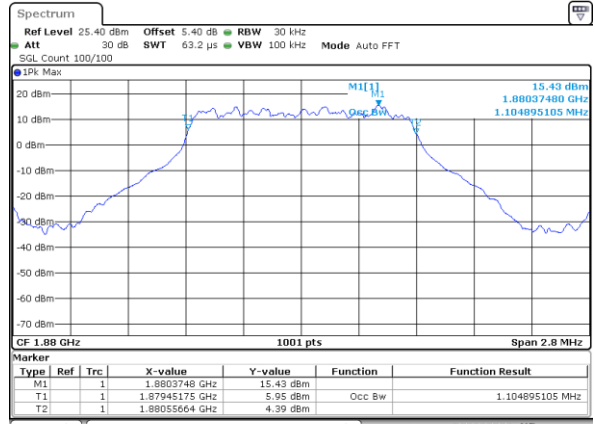
LTE Band 25

Middle Channel / 1.4MHz / QPSK



Date: 9.FEB.2023 10:09:46

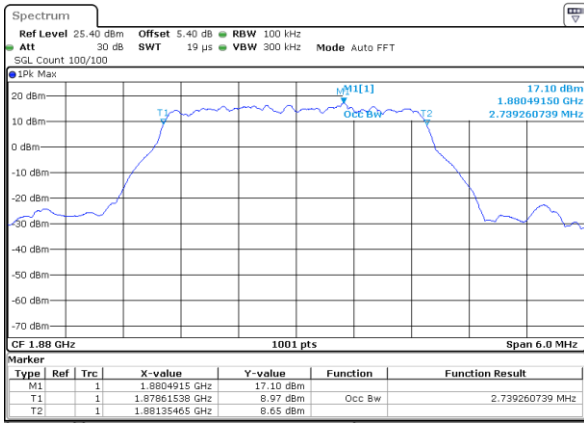
Middle Channel / 1.4MHz / 16QAM



Date: 9.FEB.2023 10:10:51

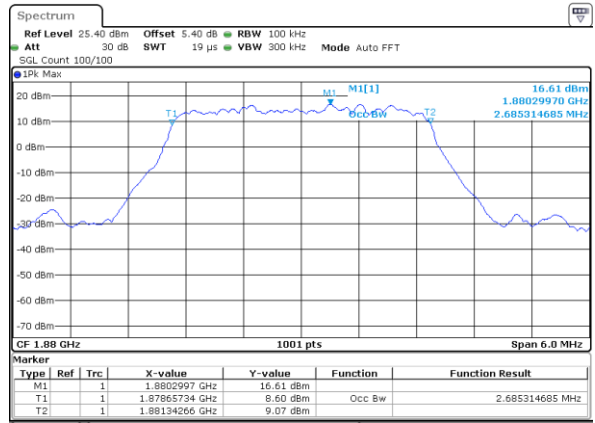
LTE Band 25

Middle Channel / 3MHz / QPSK



Date: 9.FEB.2023 10:28:46

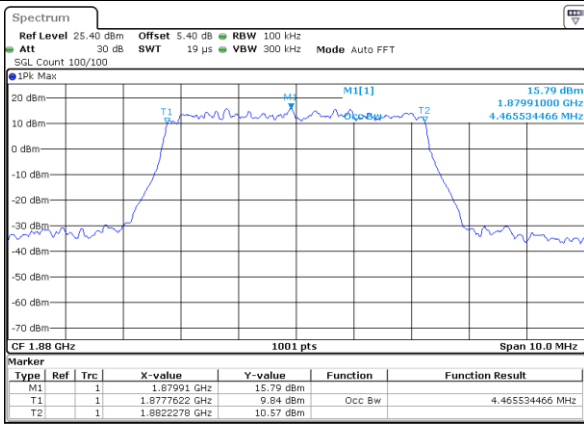
Middle Channel / 3MHz / 16QAM



Date: 9.FEB.2023 10:29:29

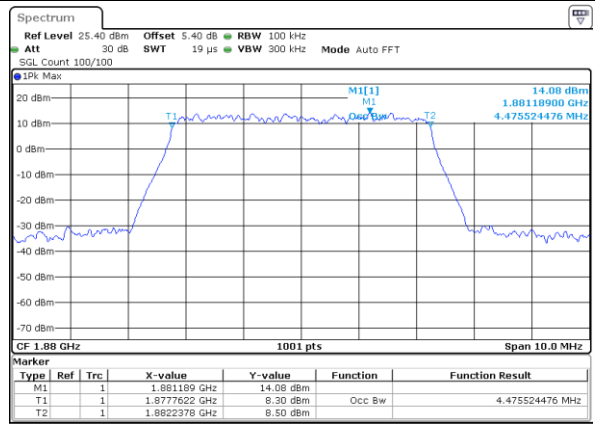
LTE Band 25

Middle Channel / 5MHz / QPSK



Date: 9.FEB.2023 10:49:06

Middle Channel / 5MHz / 16QAM

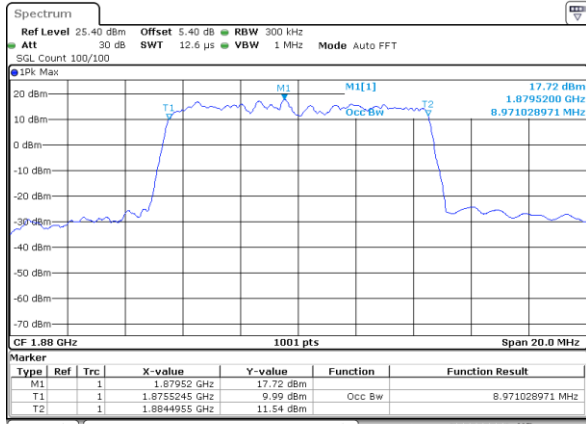


Date: 9.FEB.2023 10:50:11



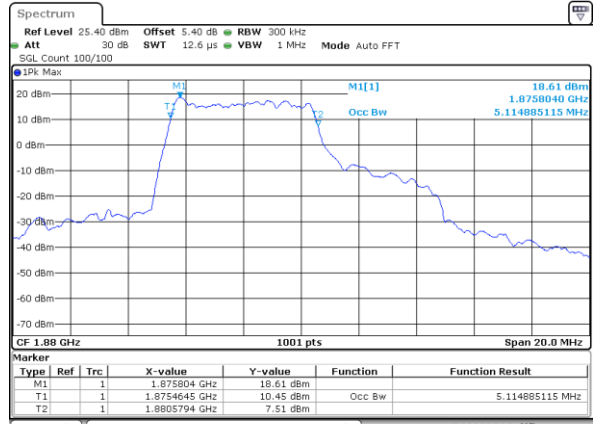
LTE Band 25

Middle Channel / 10MHz / QPSK



Date: 9.FEB.2023 11:08:04

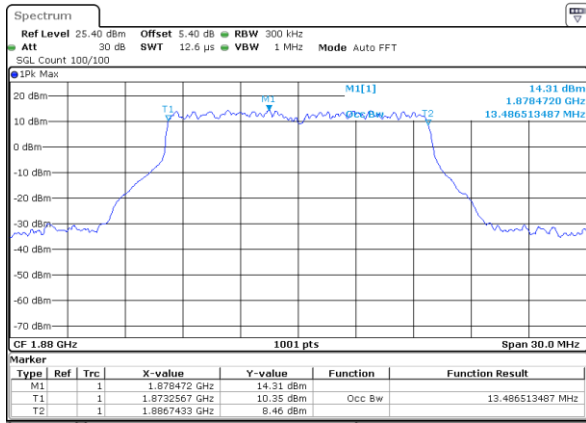
Middle Channel / 10MHz / 16QAM



Date: 9.FEB.2023 13:44:44

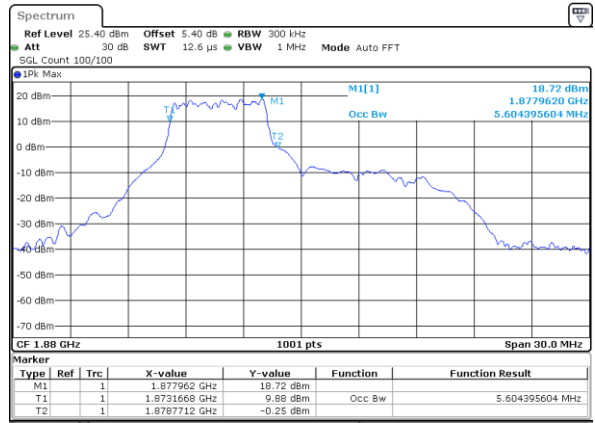
LTE Band 25

Middle Channel / 15MHz / QPSK



Date: 9.FEB.2023 12:51:00

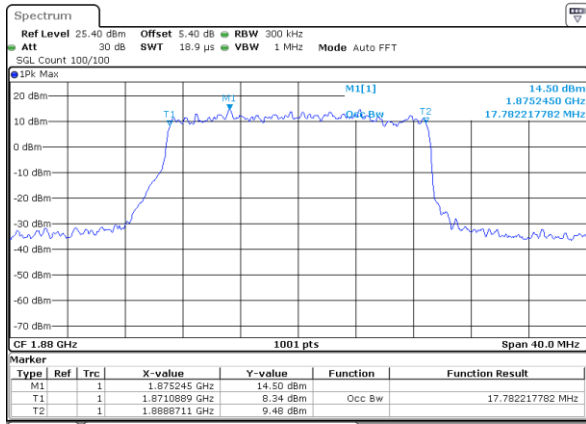
Middle Channel / 15MHz / 16QAM



Date: 9.FEB.2023 13:50:59

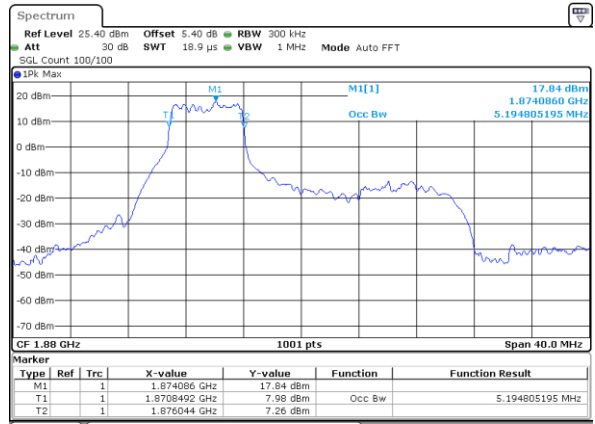
LTE Band 25

Middle Channel / 20MHz / QPSK



Date: 9.FEB.2023 13:02:30

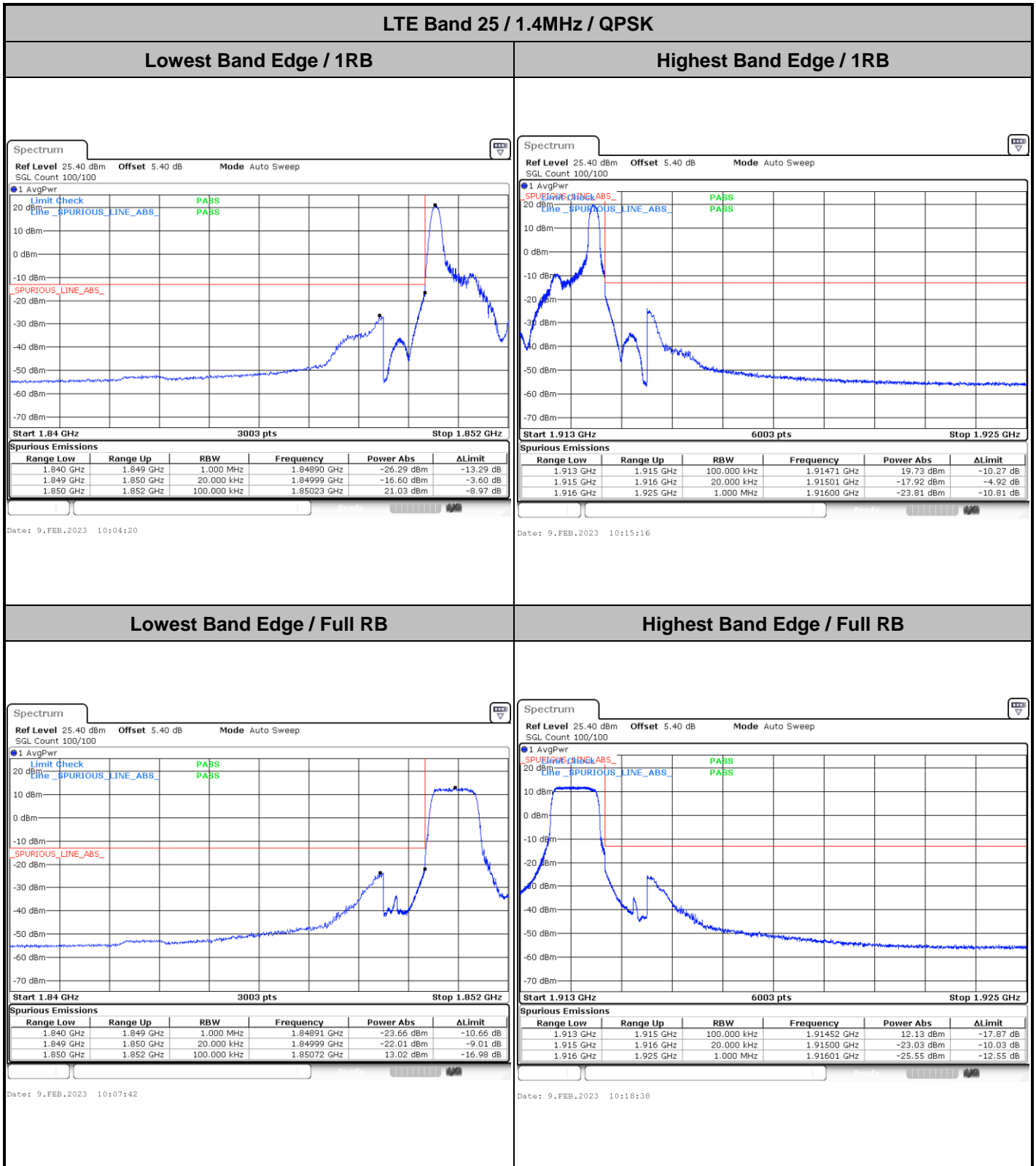
Middle Channel / 20MHz / 16QAM



Date: 9.FEB.2023 13:54:43



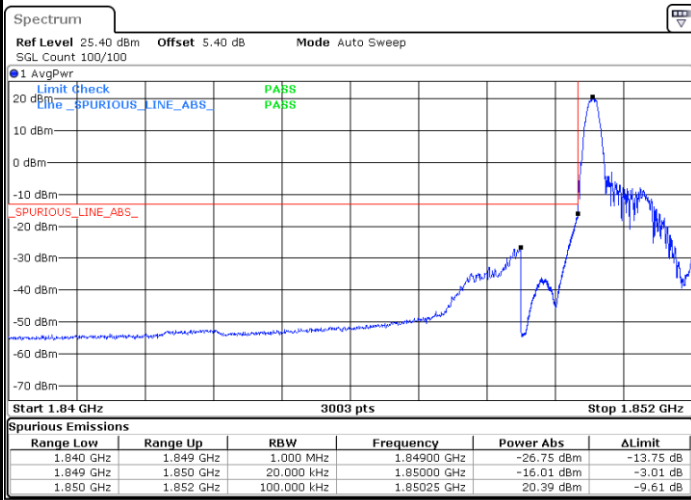
# Conducted Band Edge





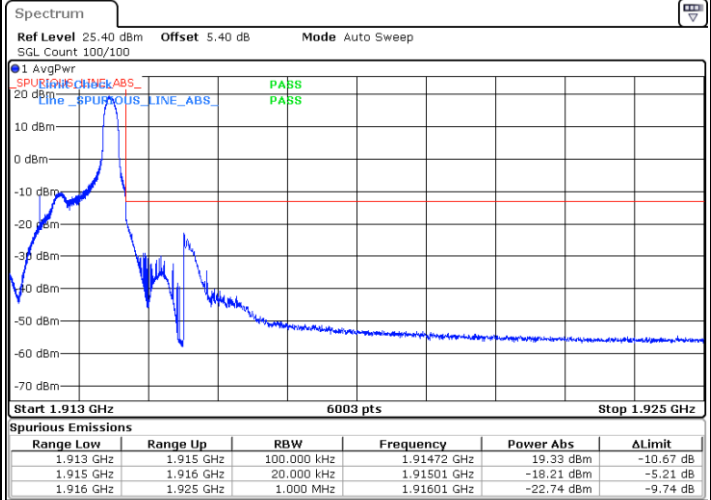
LTE Band 25 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



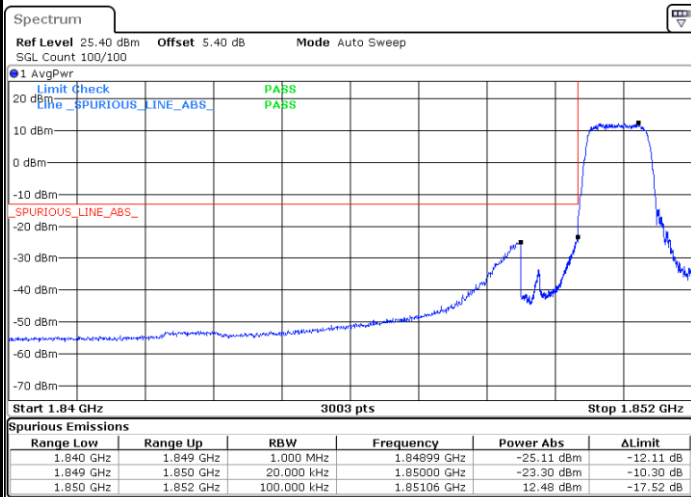
Date: 9.FEB.2023 10:06:01

Highest Band Edge / 1 RB



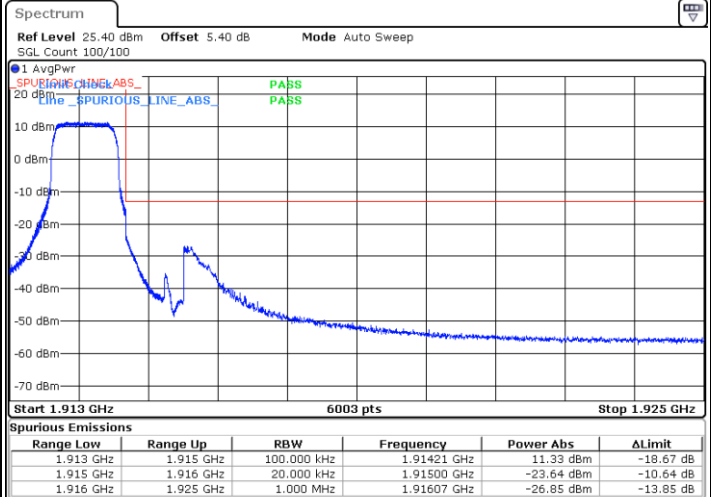
Date: 9.FEB.2023 10:16:57

Lowest Band Edge / Full RB



Date: 9.FEB.2023 10:09:23

Highest Band Edge / Full RB



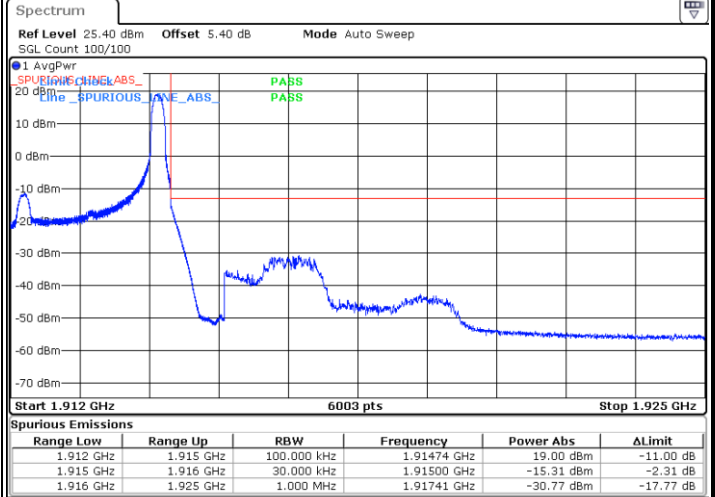
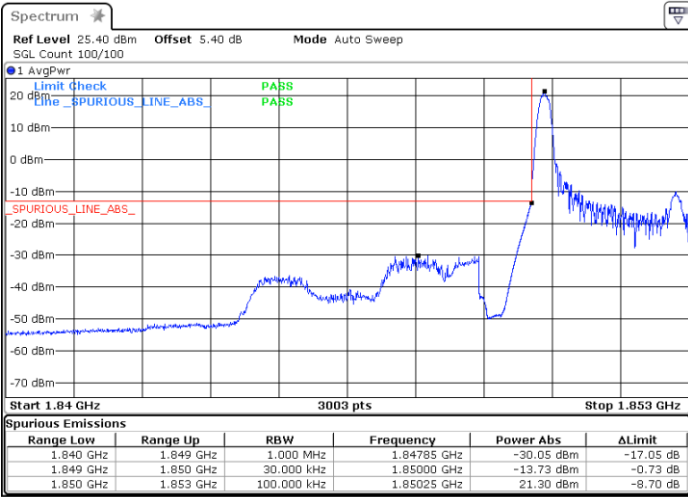
Date: 9.FEB.2023 10:20:19



LTE Band 25 / 3MHz / QPSK

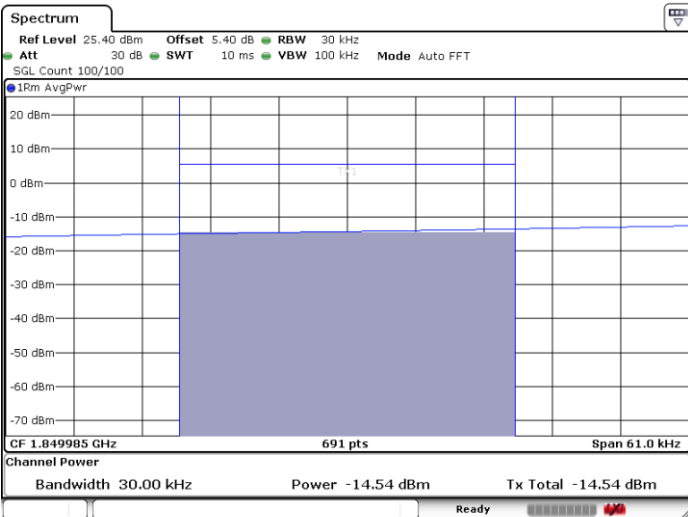
Lowest Band Edge / 1RB

Highest Band Edge / 1 RB



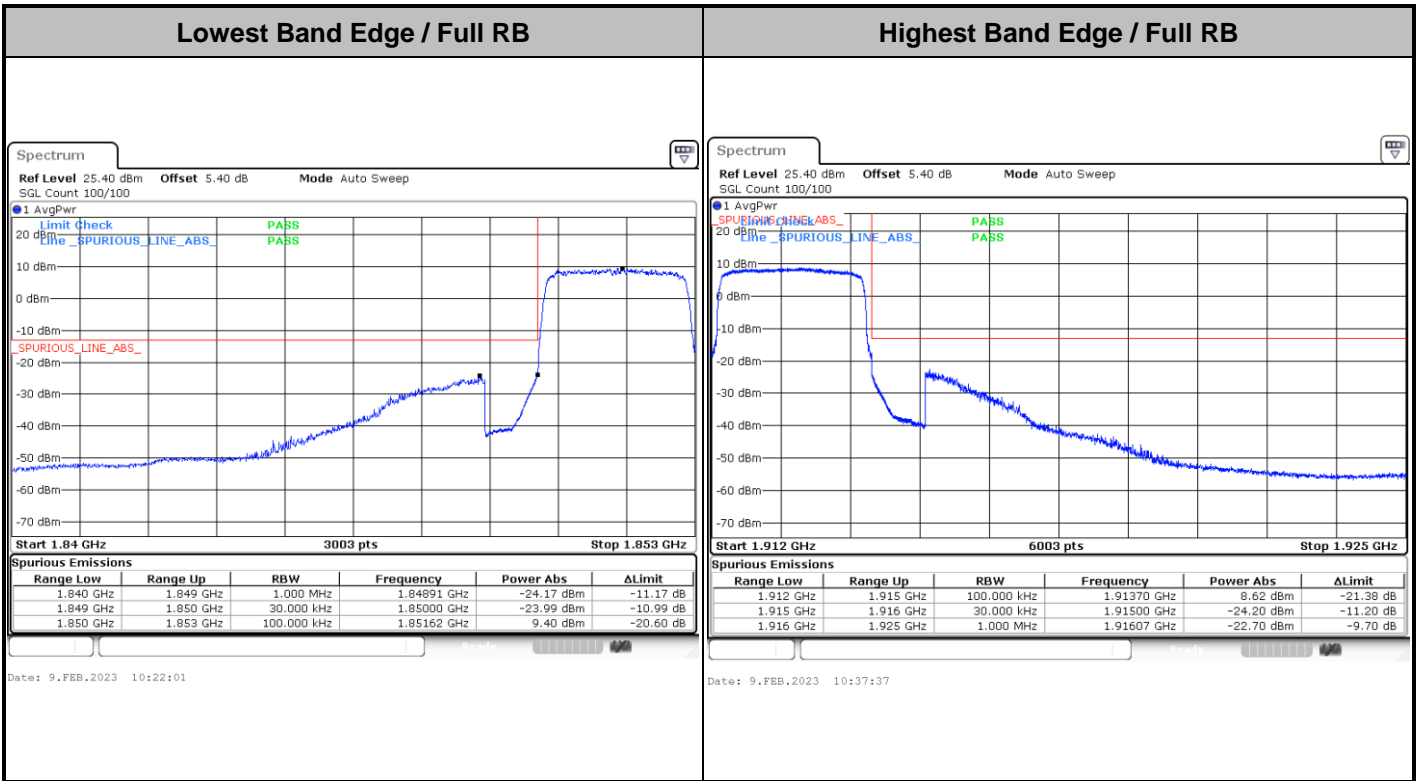
Date: 9.FEB.2023 13:22:59

Date: 9.FEB.2023 10:34:15



Date: 9.FEB.2023 15:14:48

N/A

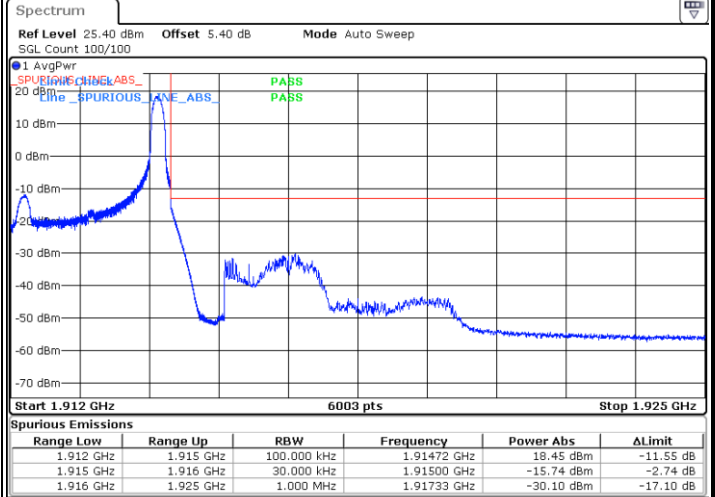
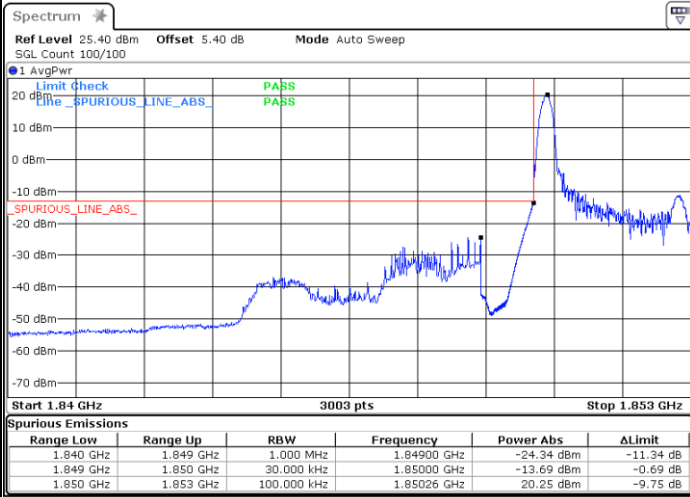




LTE Band 25 / 3MHz / 16QAM

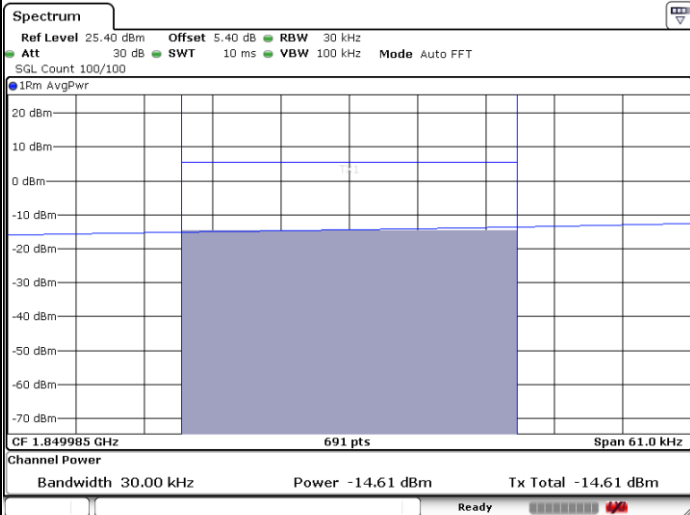
Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



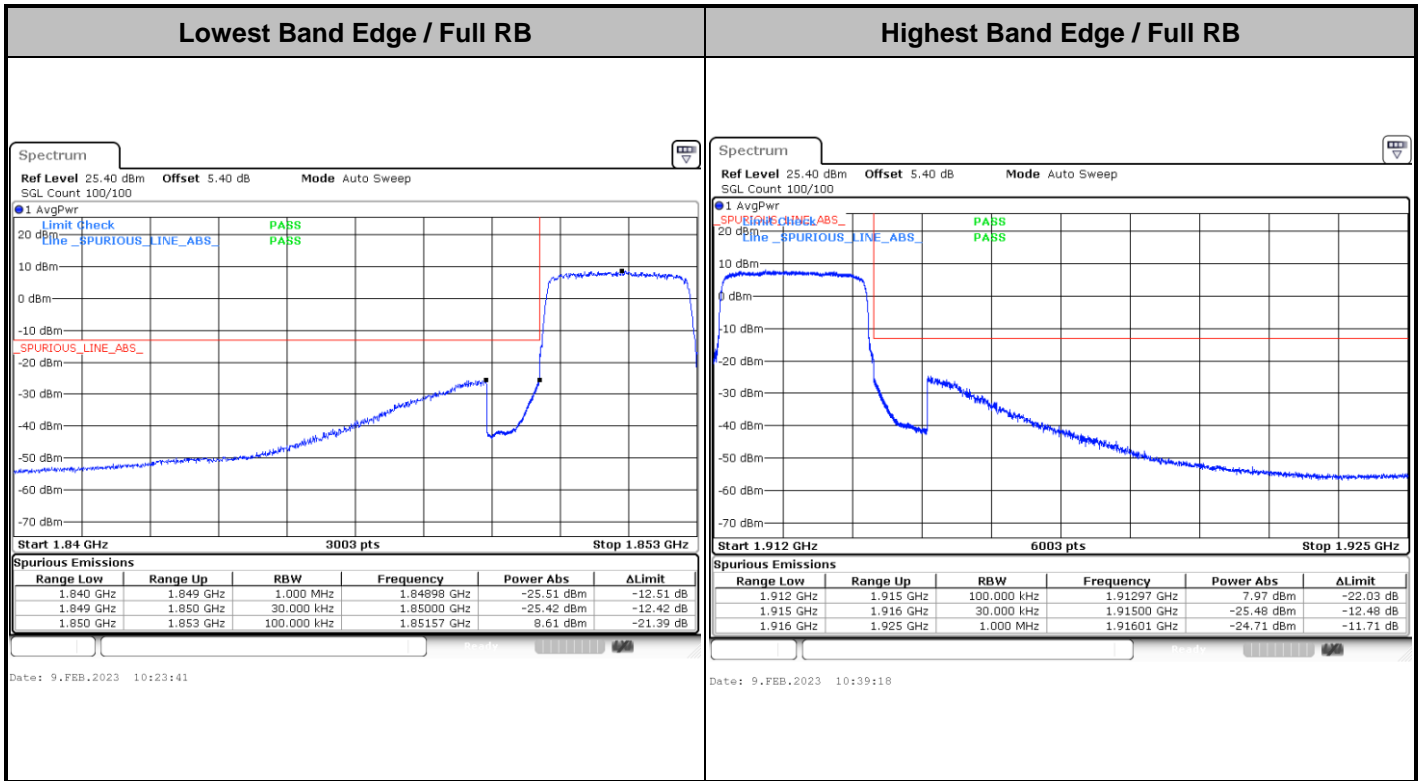
Date: 9.FEB.2023 13:20:26

Date: 9.FEB.2023 13:14:23



Date: 9.FEB.2023 15:14:07

N/A

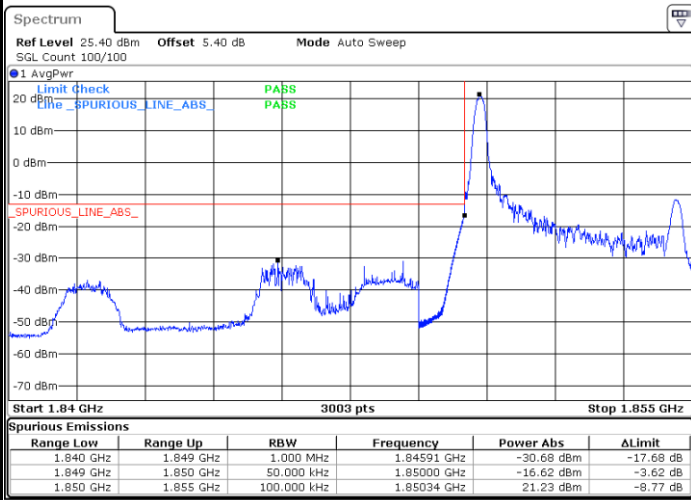






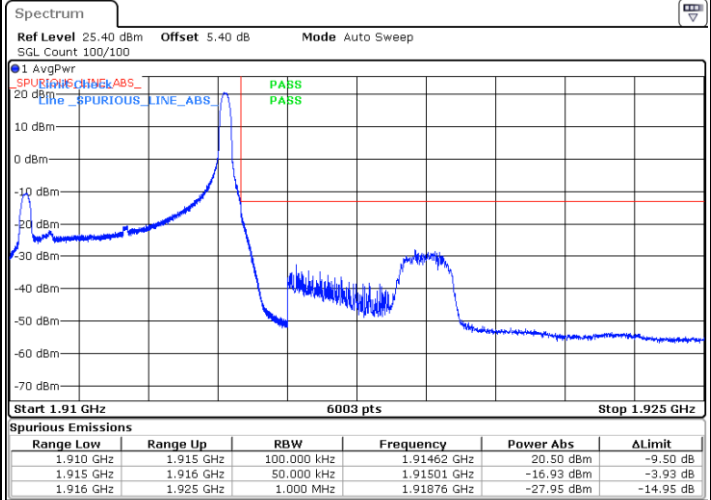
LTE Band 25 / 5MHz / QPSK

Lowest Band Edge / 1 RB



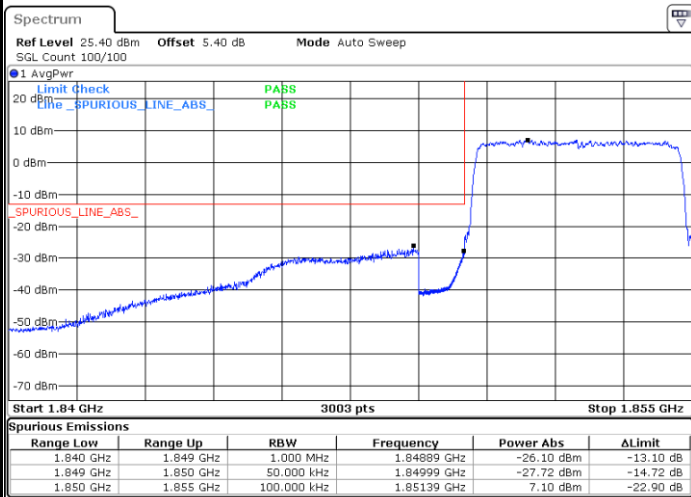
Date: 9.FEB.2023 10:45:41

Highest Band Edge / 1 RB



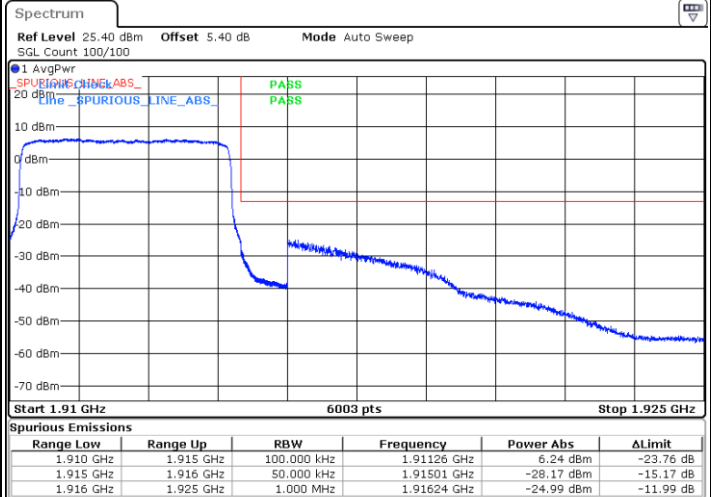
Date: 9.FEB.2023 10:56:36

Lowest Band Edge / Full RB



Date: 9.FEB.2023 10:40:59

Highest Band Edge / Full RB

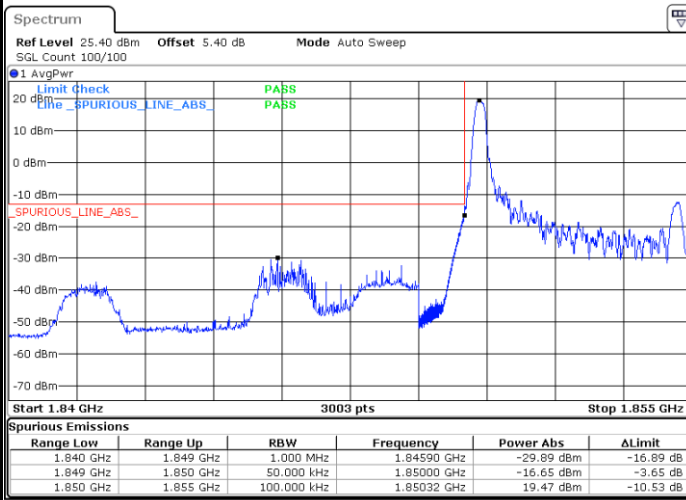


Date: 9.FEB.2023 10:53:14



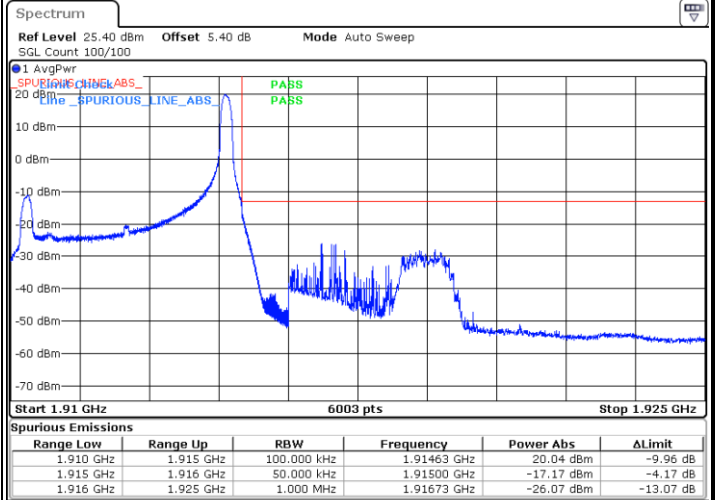
LTE Band 25 / 5MHz / 16QAM

Lowest Band Edge / 1RB



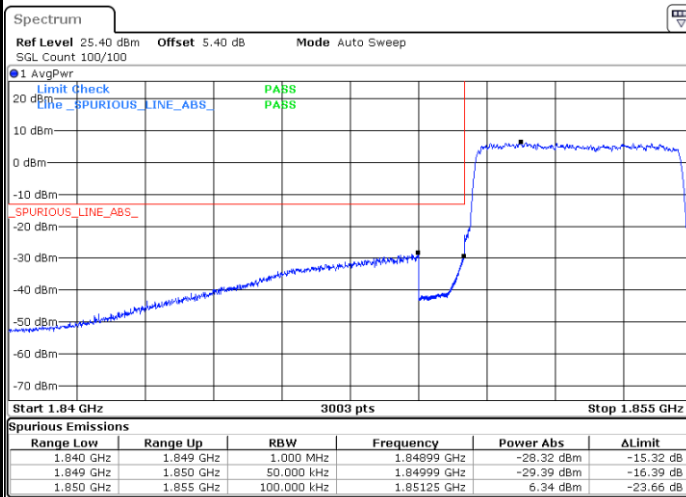
Date: 9.FEB.2023 10:47:22

Highest Band Edge / 1 RB



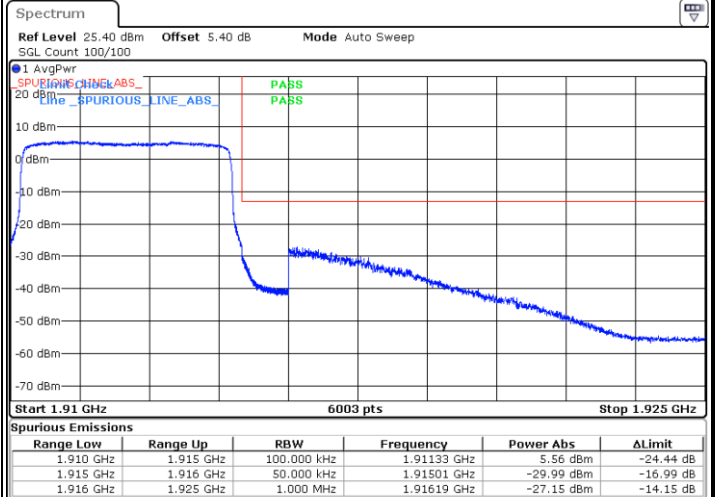
Date: 9.FEB.2023 10:56:16

Lowest Band Edge / Full RB



Date: 9.FEB.2023 10:42:39

Highest Band Edge / Full RB

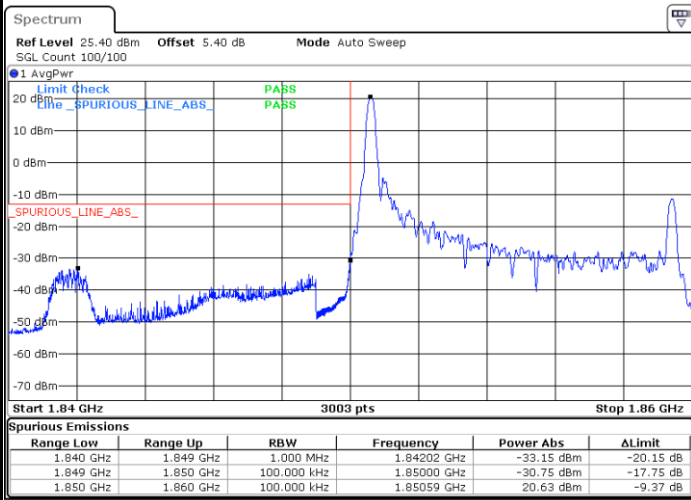


Date: 9.FEB.2023 10:54:54



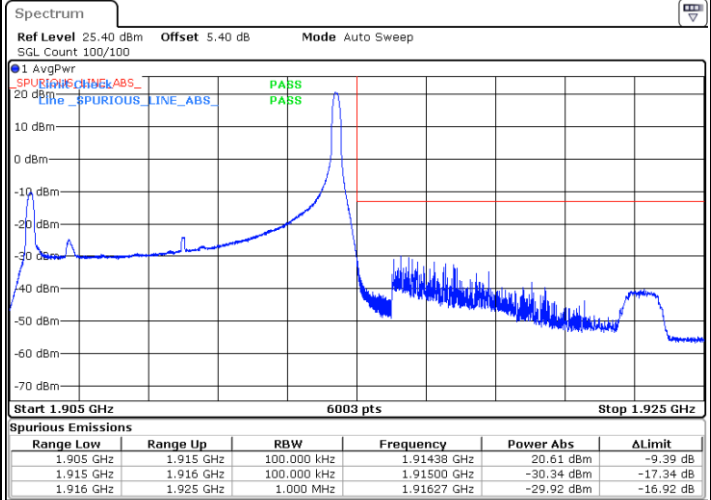
LTE Band 25 / 10MHz / QPSK

Lowest Band Edge / 1 RB



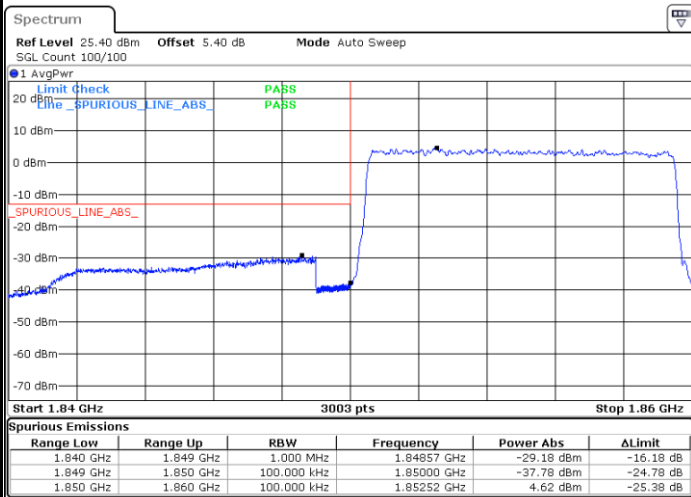
Date: 9.FEB.2023 11:03:18

Highest Band Edge / 1 RB



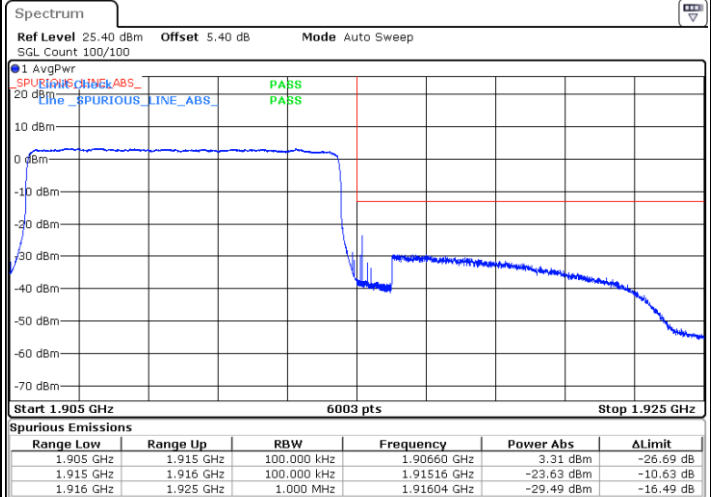
Date: 9.FEB.2023 11:15:33

Lowest Band Edge / Full RB



Date: 9.FEB.2023 10:59:57

Highest Band Edge / Full RB

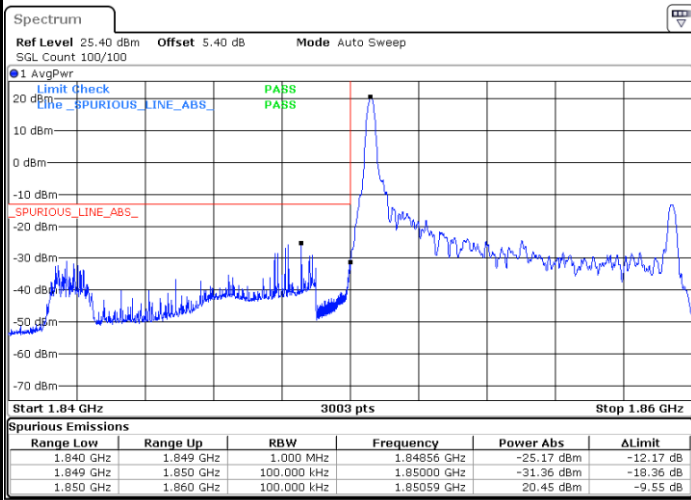


Date: 9.FEB.2023 11:12:12



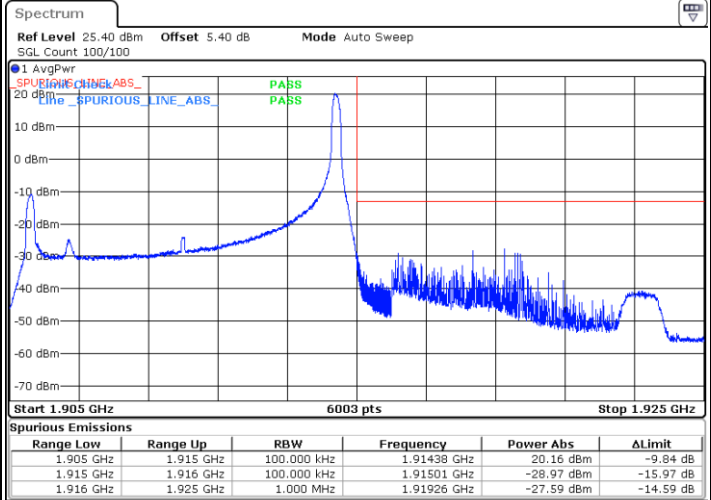
LTE Band 25 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



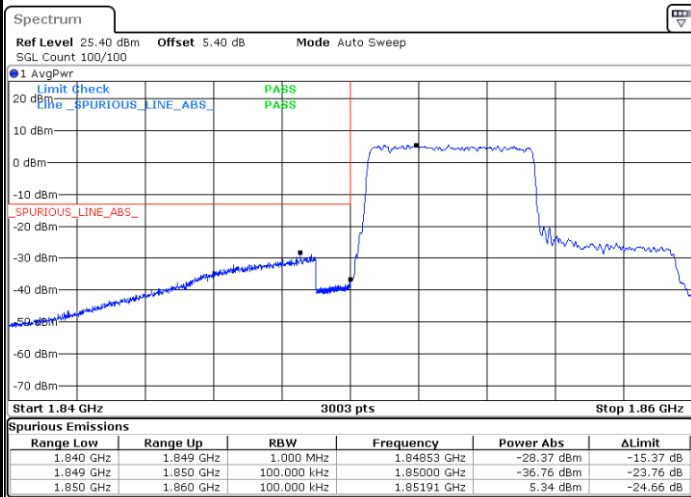
Date: 9.FEB.2023 11:06:20

Highest Band Edge / 1 RB



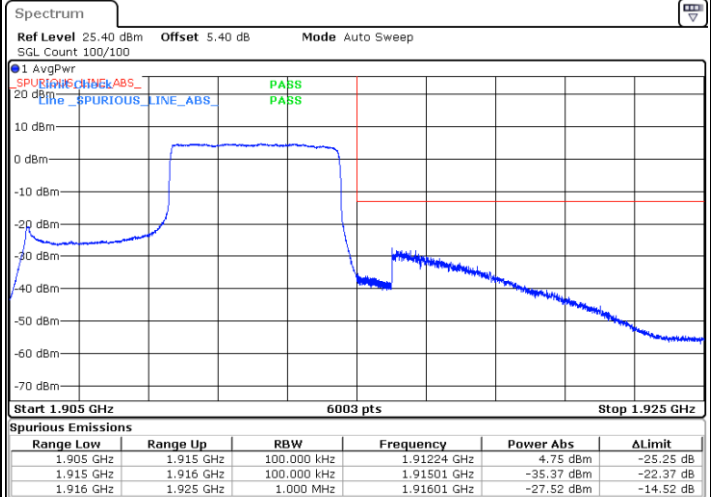
Date: 9.FEB.2023 11:17:14

Lowest Band Edge / Full RB



Date: 9.FEB.2023 13:47:12

Highest Band Edge / Full RB

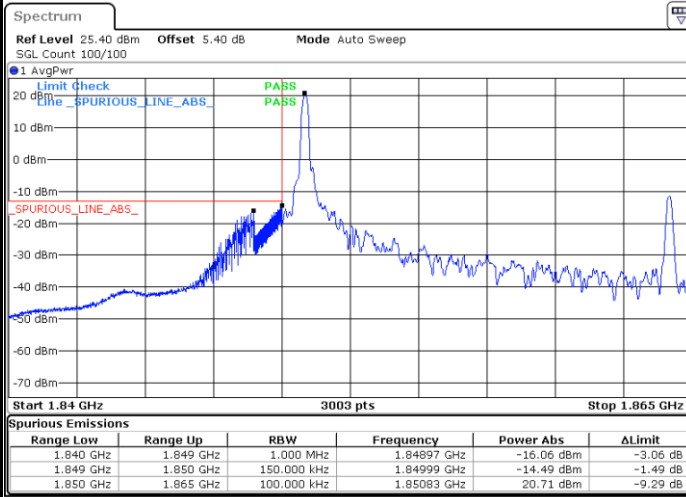


Date: 9.FEB.2023 13:49:00



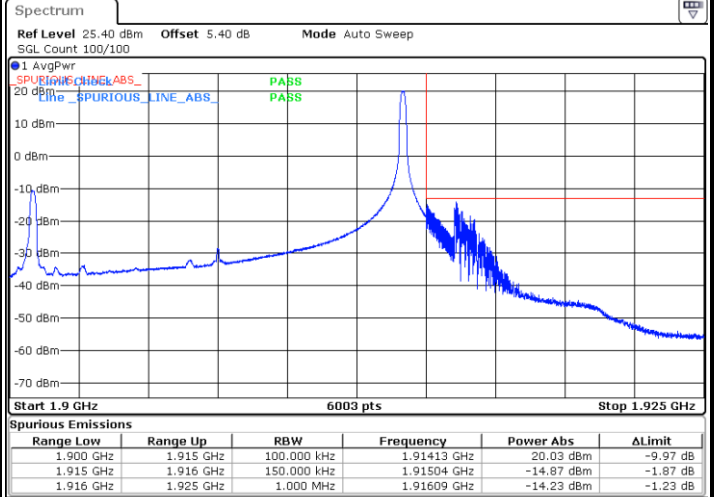
LTE Band 25 / 15MHz / QPSK

Lowest Band Edge / 1 RB



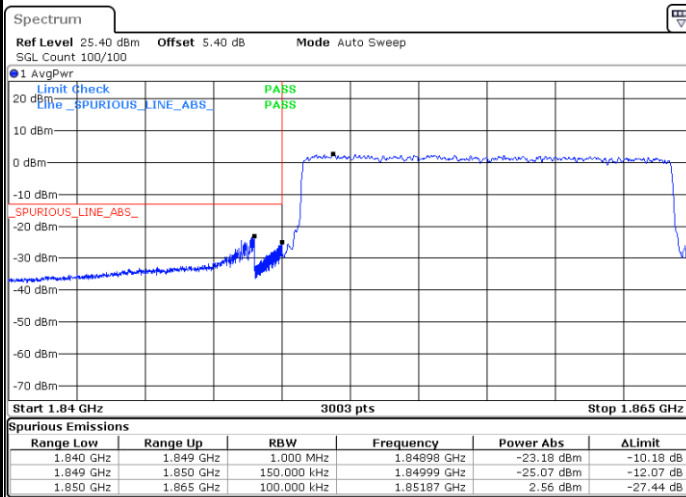
Date: 9.FEB.2023 13:09:45

Highest Band Edge / 1 RB



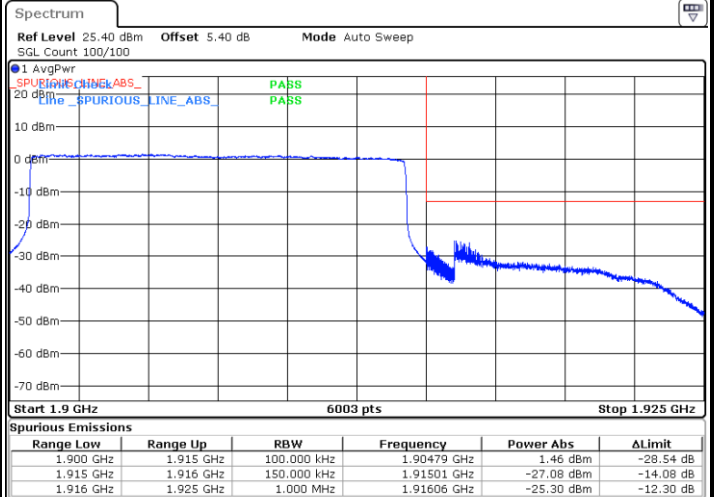
Date: 9.FEB.2023 13:11:25

Lowest Band Edge / Full RB



Date: 9.FEB.2023 12:46:13

Highest Band Edge / Full RB

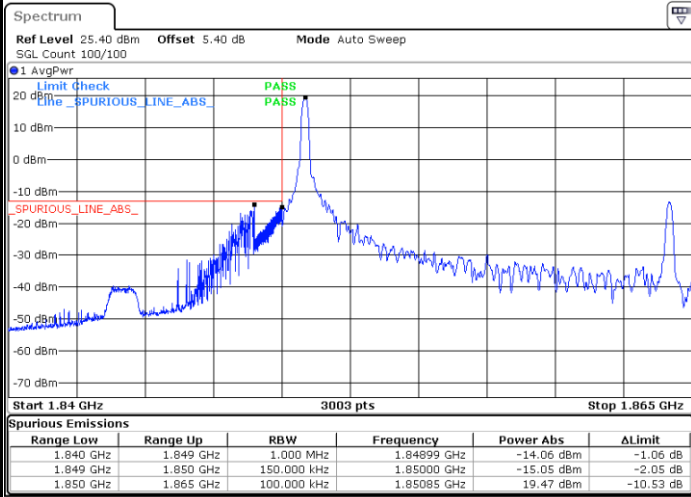


Date: 9.FEB.2023 12:54:23



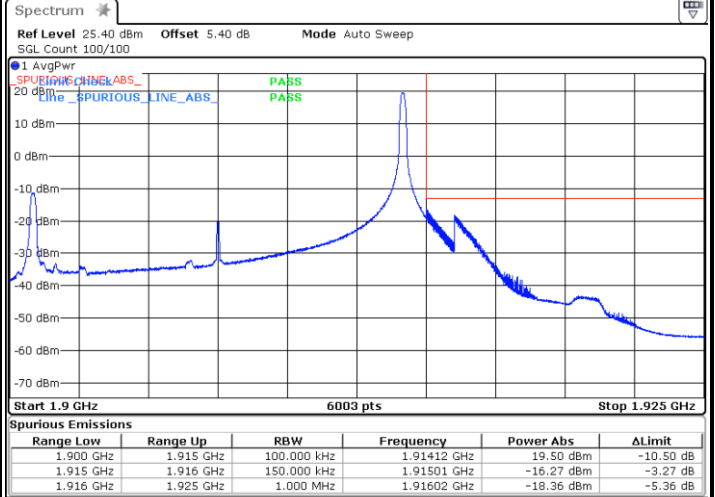
LTE Band 25 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



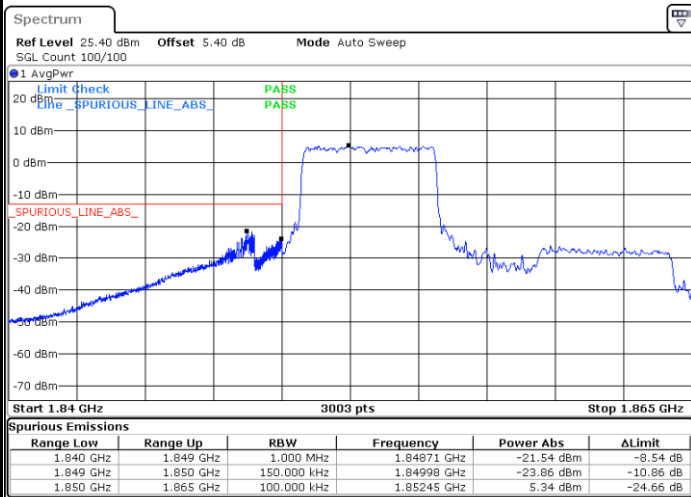
Date: 9.FEB.2023 14:02:50

Highest Band Edge / 1 RB



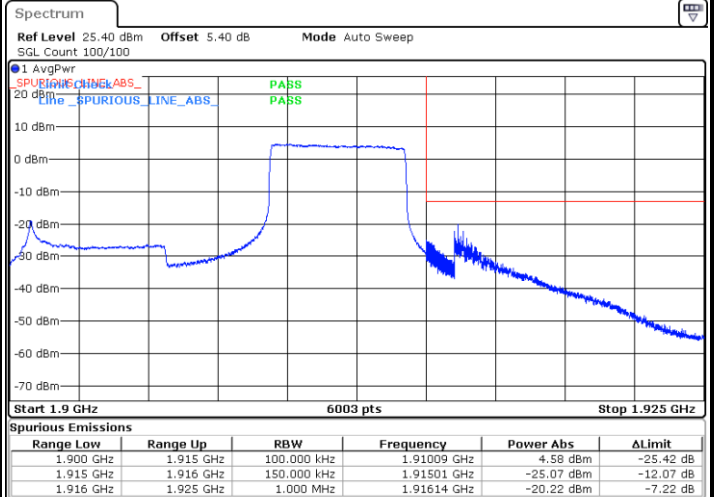
Date: 9.FEB.2023 14:05:16

Lowest Band Edge / Full RB



Date: 9.FEB.2023 13:51:59

Highest Band Edge / Full RB

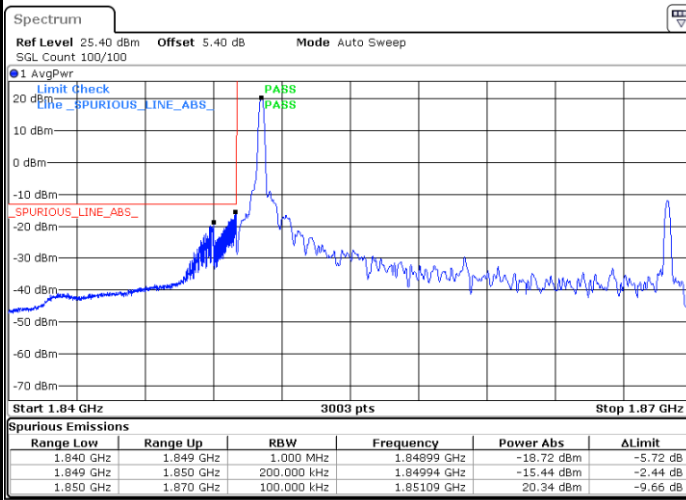


Date: 9.FEB.2023 13:53:09



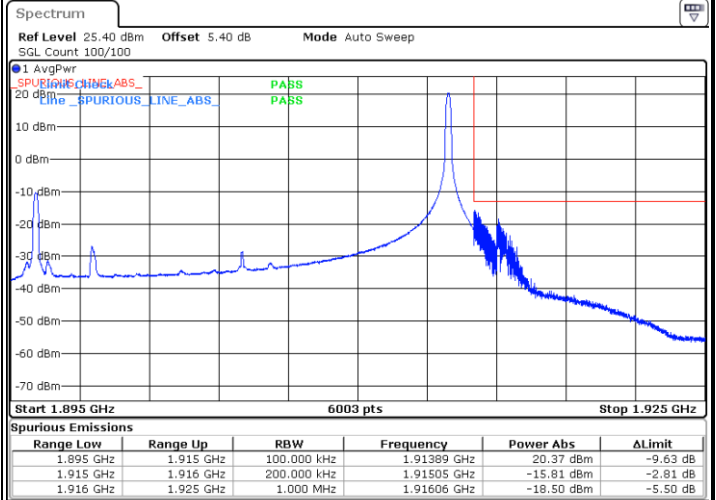
LTE Band 25 / 20MHz / QPSK

Lowest Band Edge / 1 RB



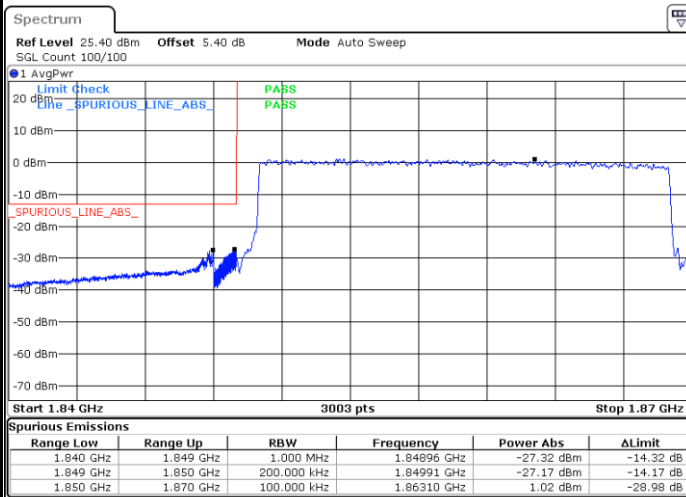
Date: 9.FEB.2023 13:00:46

Highest Band Edge / 1 RB



Date: 9.FEB.2023 13:07:35

Lowest Band Edge / Full RB



Date: 9.FEB.2023 12:57:45

Highest Band Edge / Full RB

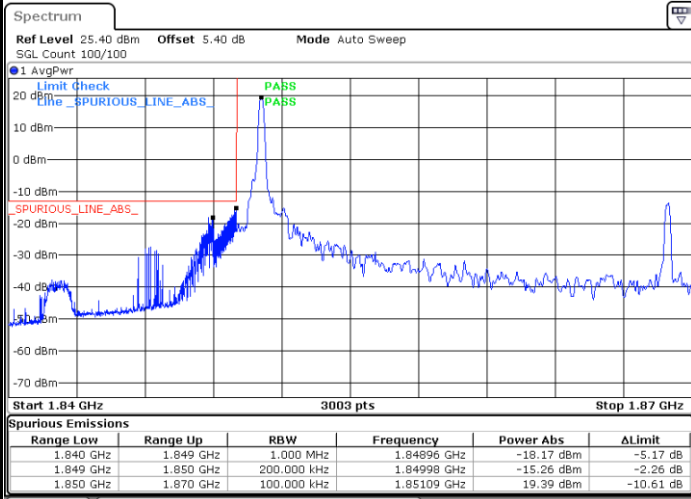


Date: 9.FEB.2023 13:05:54

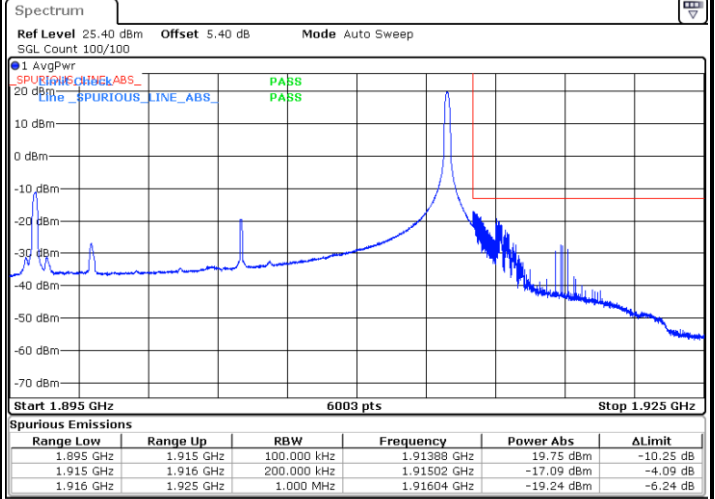


LTE Band 25 / 20MHz / 16QAM

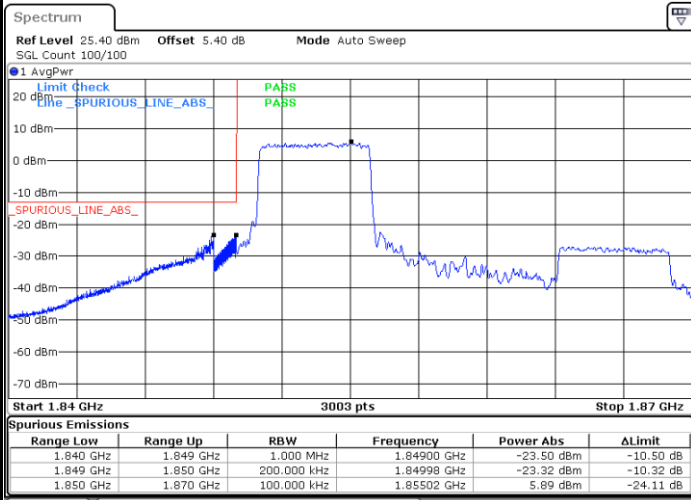
Lowest Band Edge / 1 RB



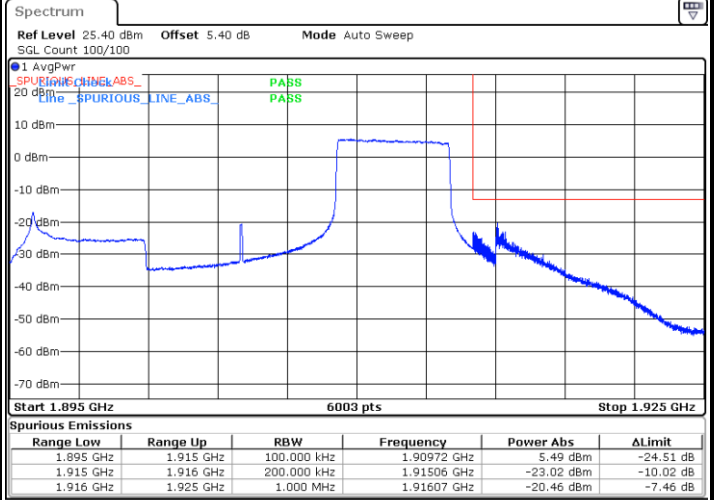
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



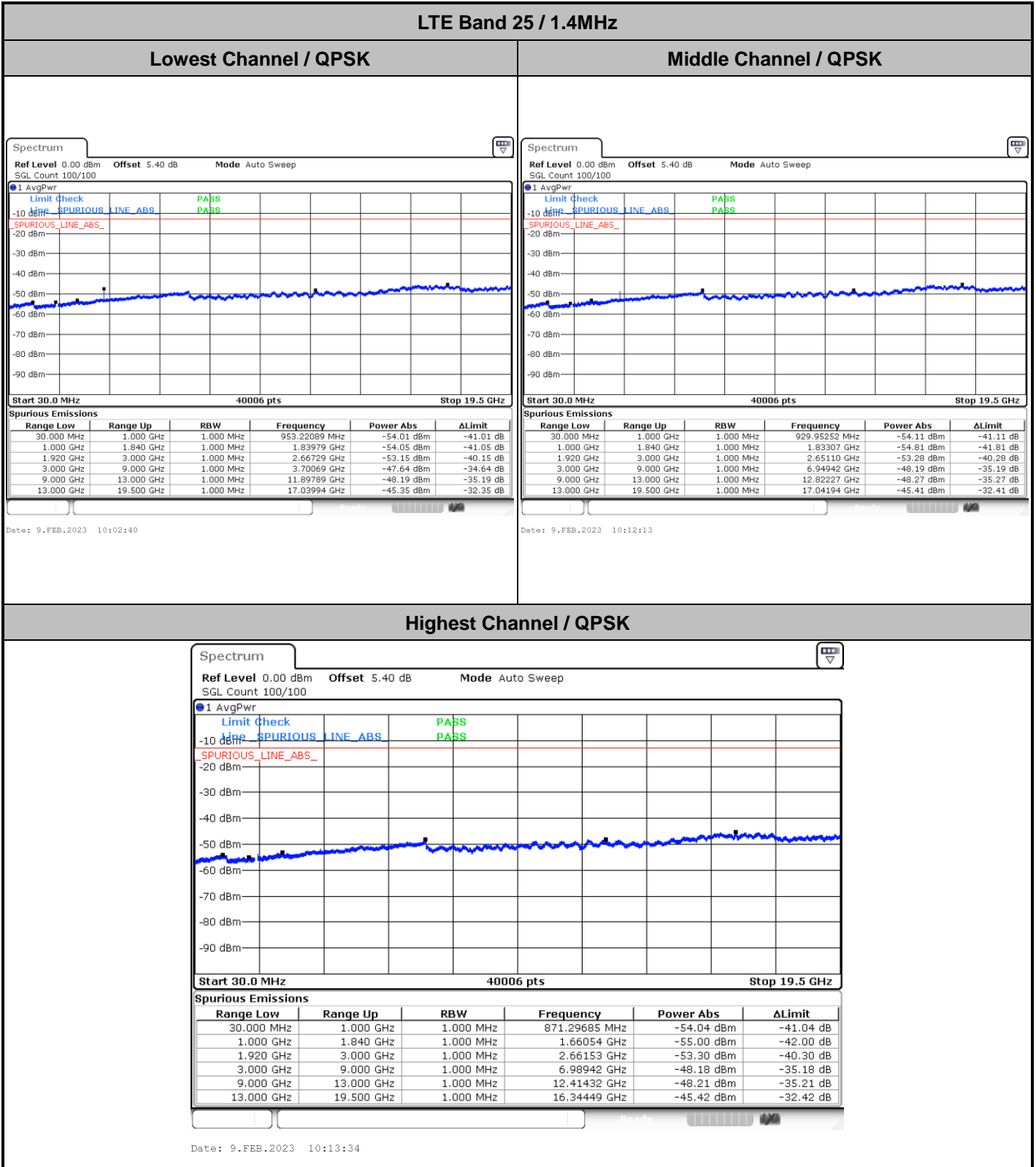
Highest Band Edge / Full RB







# Conducted Spurious Emission

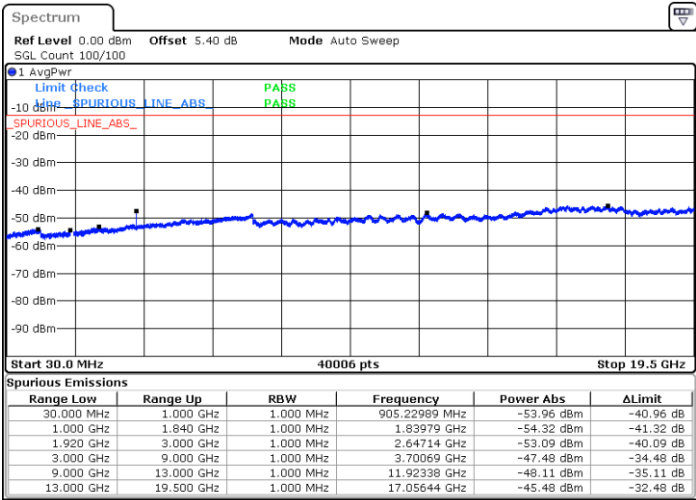




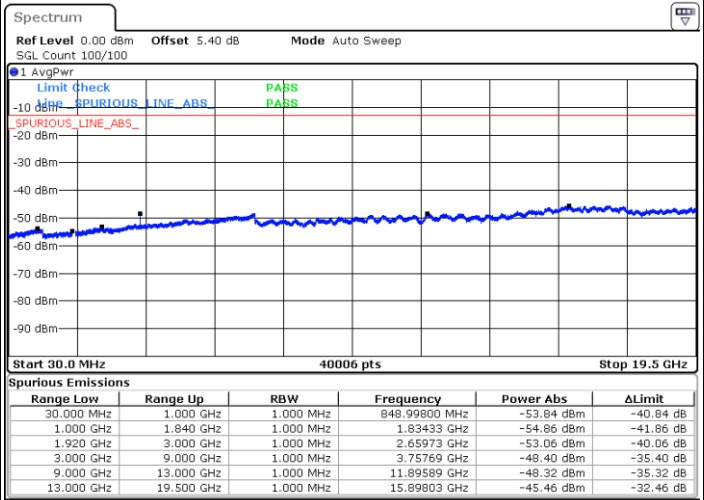
LTE Band 25 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

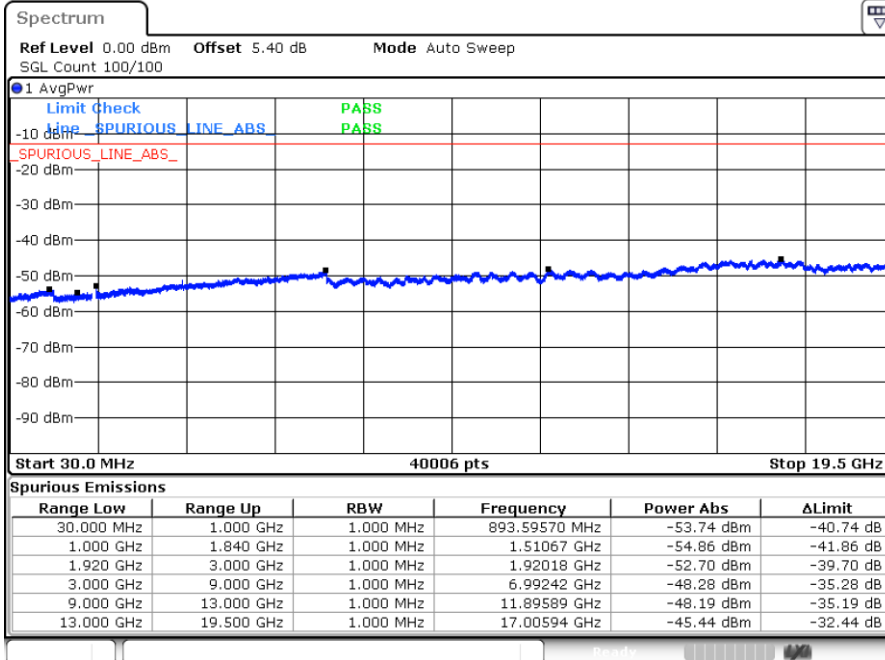


Date: 9.FEB.2023 10:25:03



Date: 9.FEB.2023 10:31:12

Highest Channel / QPSK



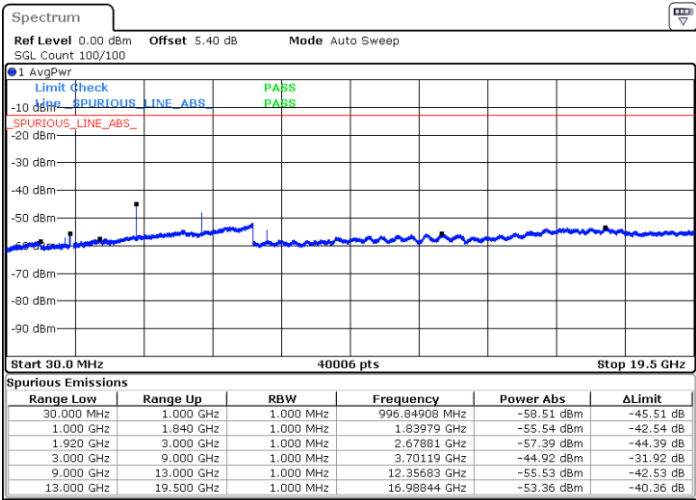
Date: 9.FEB.2023 10:32:34



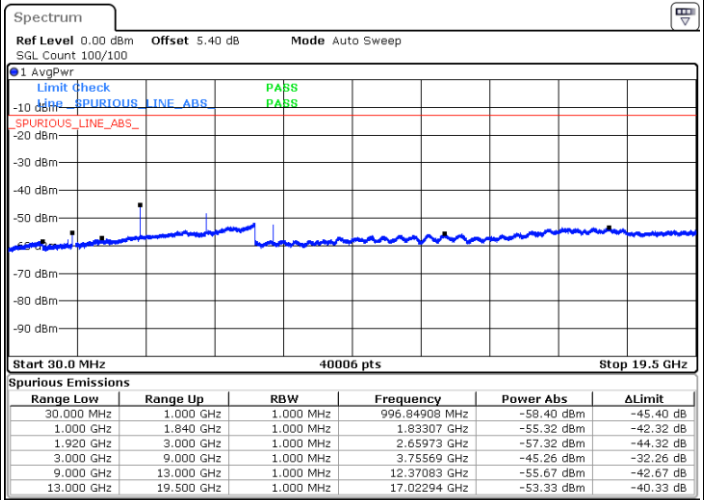
LTE Band 25 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

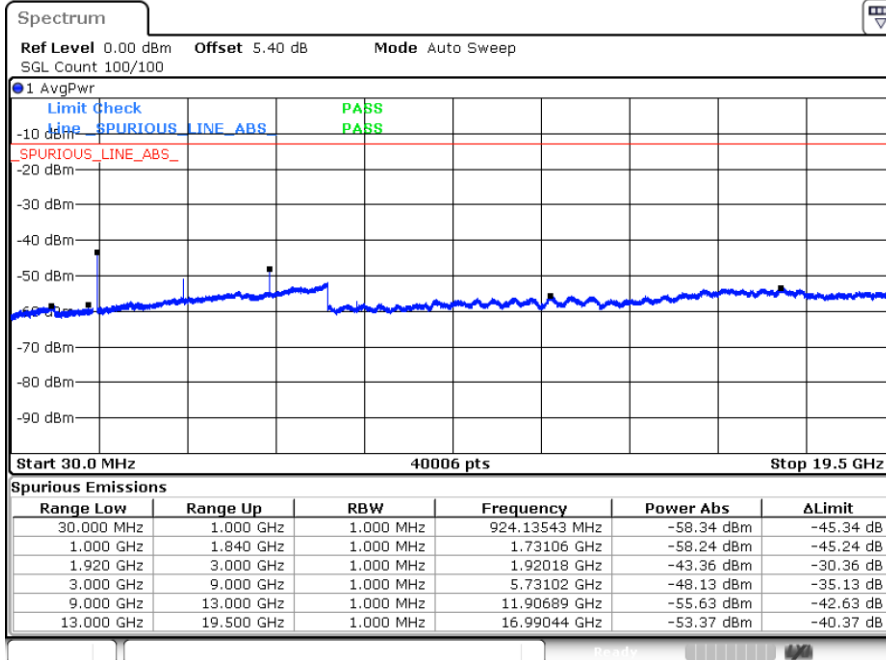


Date: 9.FEB.2023 10:44:01



Date: 9.FEB.2023 10:48:43

Highest Channel / QPSK



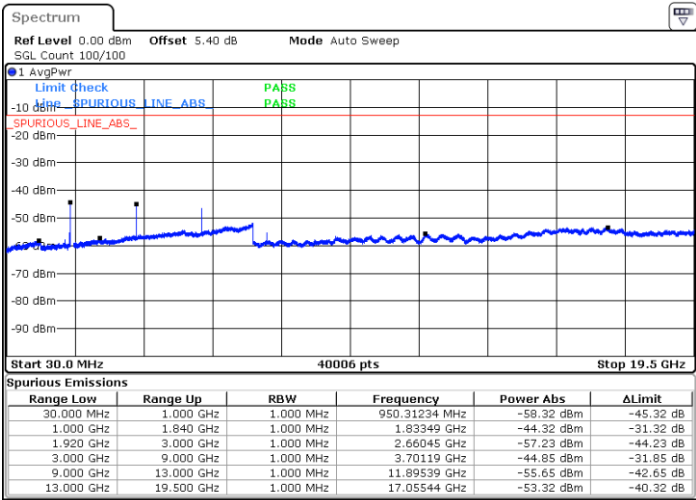
Date: 9.FEB.2023 10:51:33



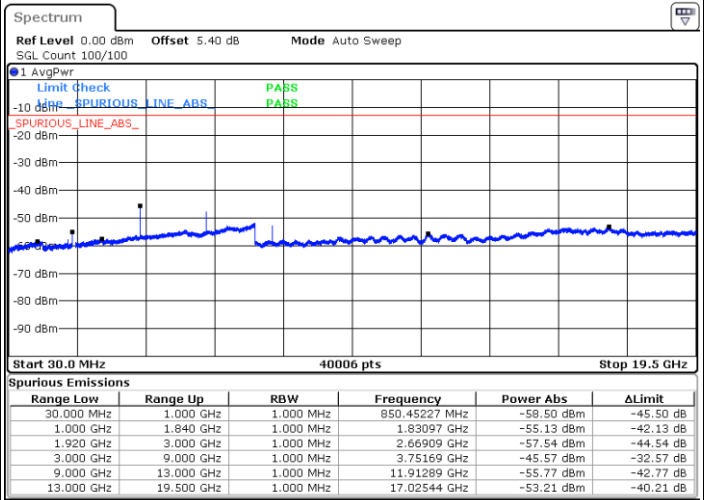
LTE Band 25 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

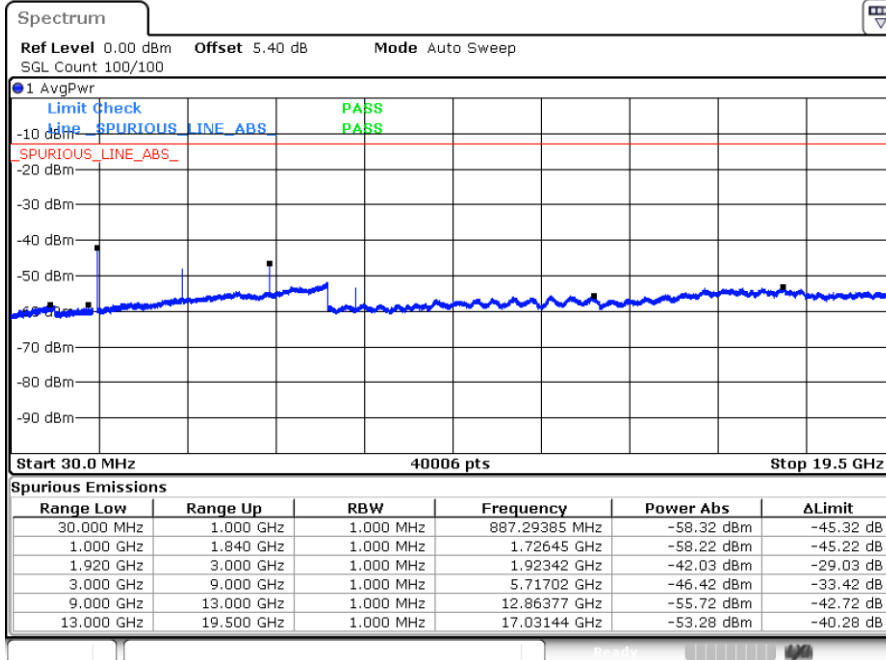


Date: 9.FEB.2023 11:04:40



Date: 9.FEB.2023 11:07:41

Highest Channel / QPSK



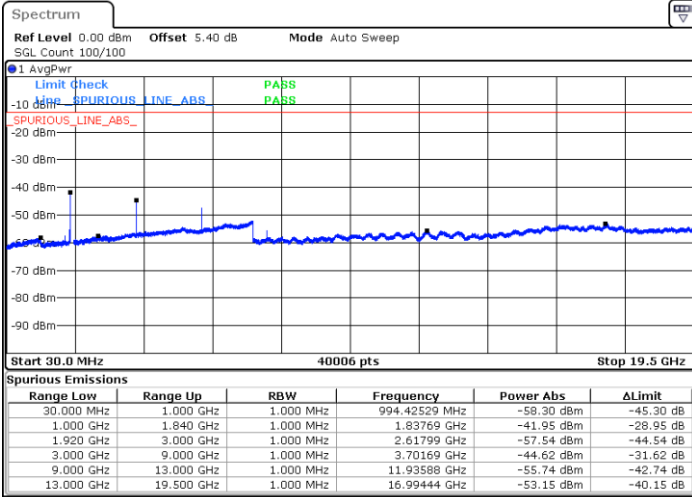
Date: 9.FEB.2023 11:10:31



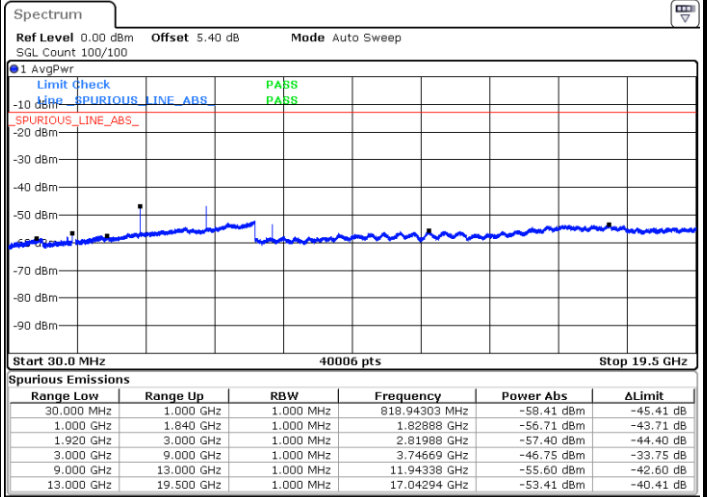
LTE Band 25 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

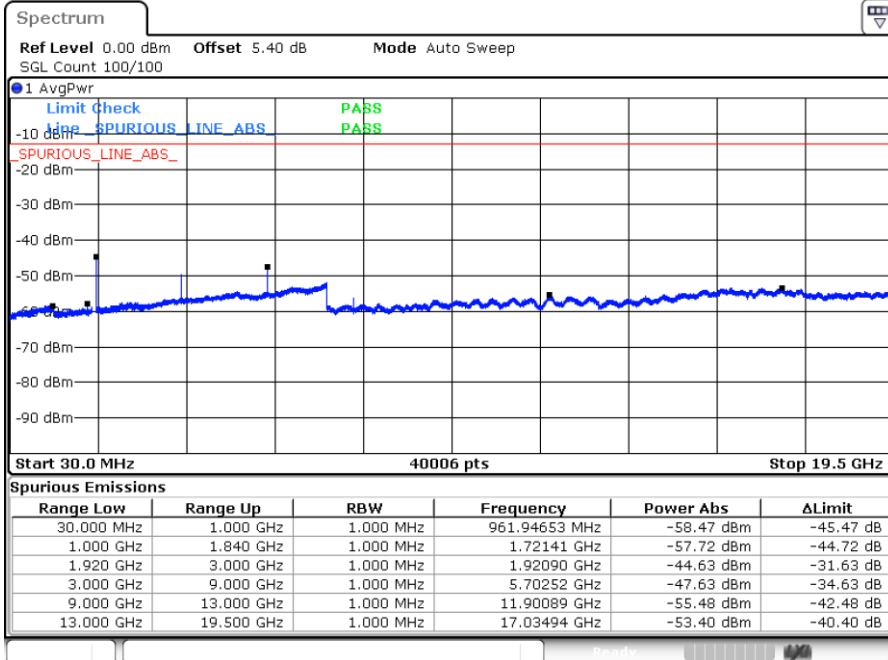


Date: 9.FEB.2023 12:47:36



Date: 9.FEB.2023 12:50:37

Highest Channel / QPSK



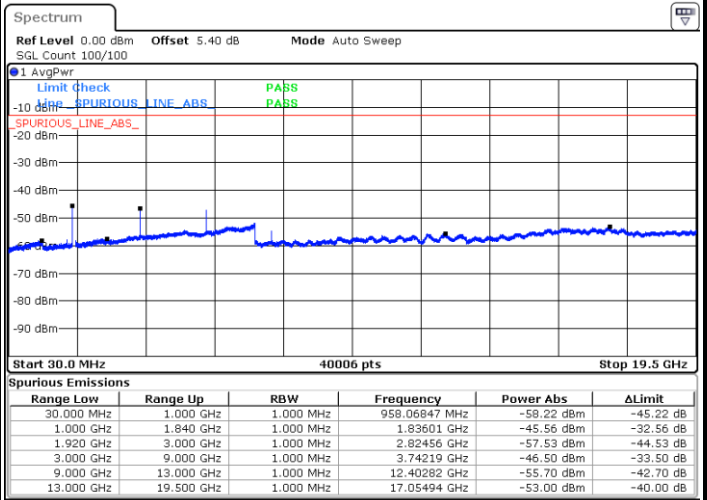
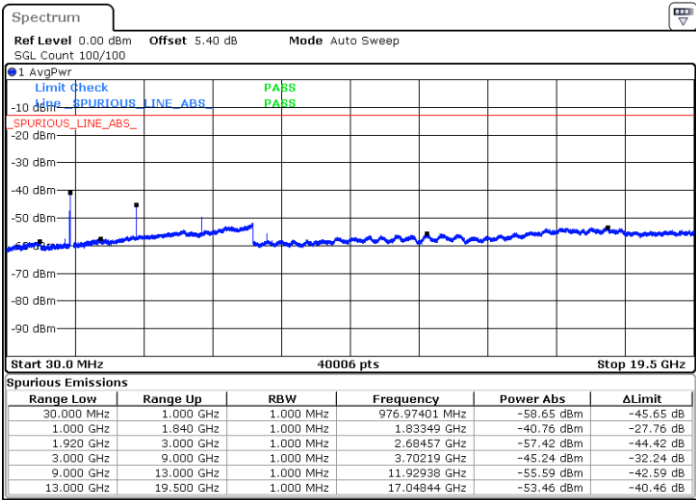
Date: 9.FEB.2023 12:52:43



LTE Band 25 / 20MHz

Lowest Channel / QPSK

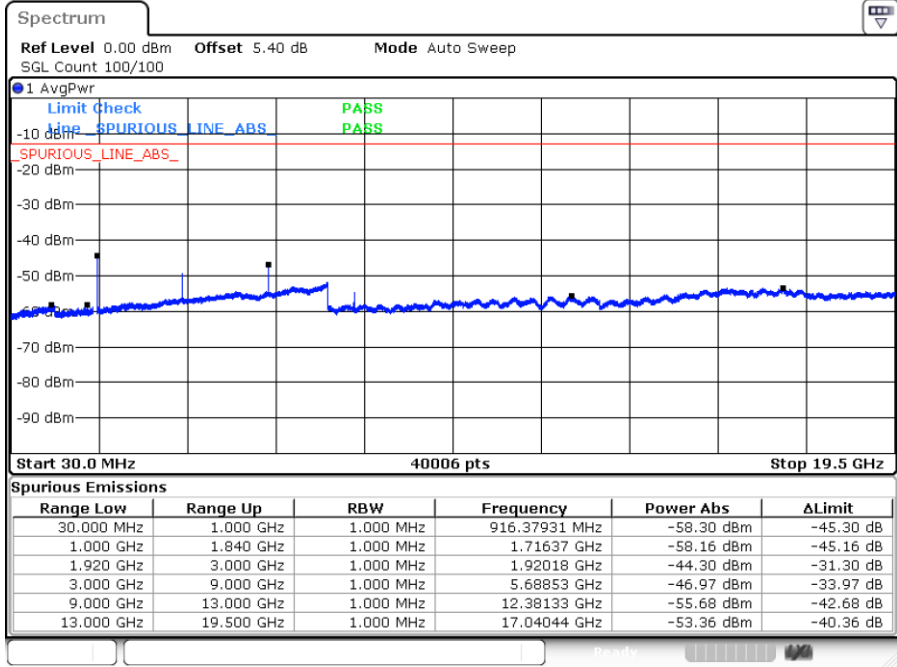
Middle Channel / QPSK



Date: 9.FEB.2023 12:59:06

Date: 9.FEB.2023 13:02:08

Highest Channel / QPSK



Date: 9.FEB.2023 13:04:13



### Frequency Stability

Test Conditions		LTE Band 25 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0025	PASS
40	Normal Voltage	0.0023	
30	Normal Voltage	0.0042	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0037	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0023	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0016	
20	End Point	0.0018	

**Note:**

1. Normal Voltage =3.8 V. ; End Point (BEP) =3.3 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.