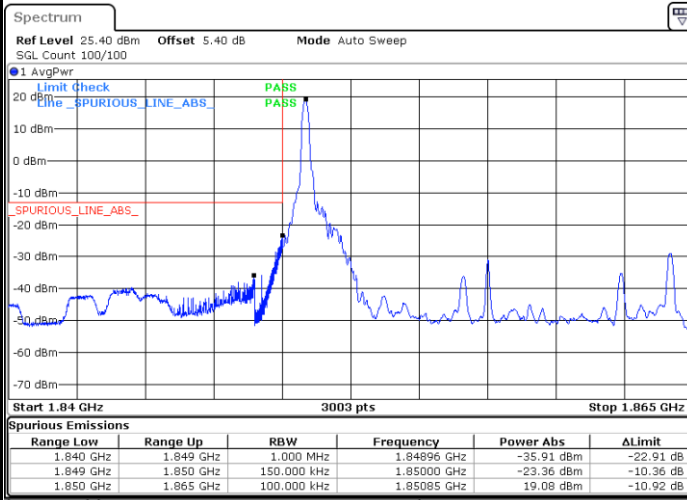




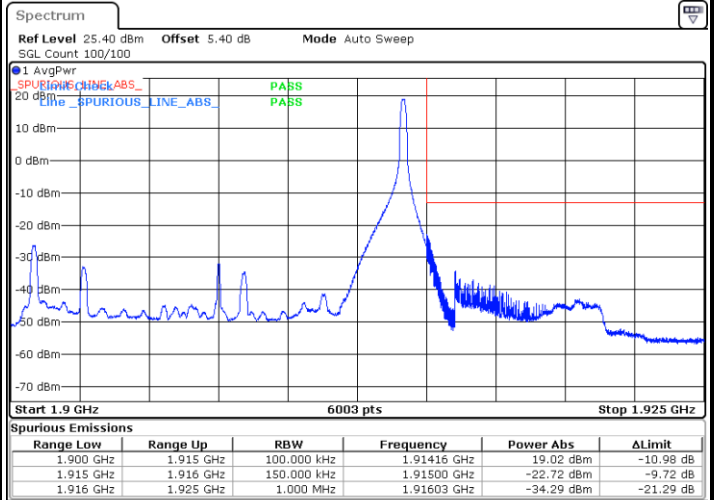
LTE Band 25 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



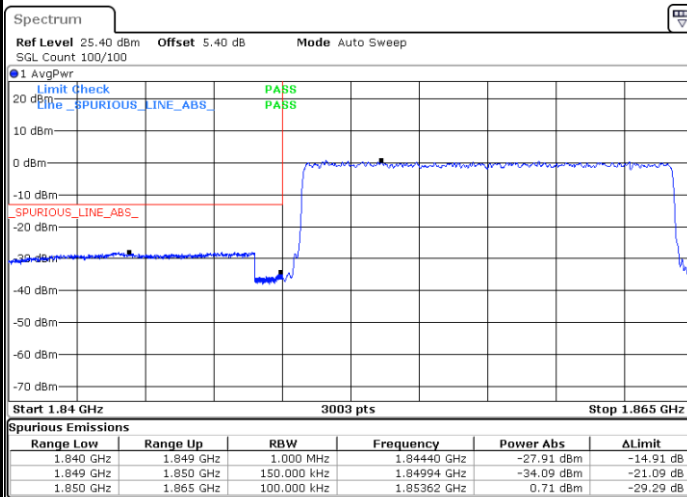
Date: 10.JAN.2023 23:54:21

Highest Band Edge / 1 RB



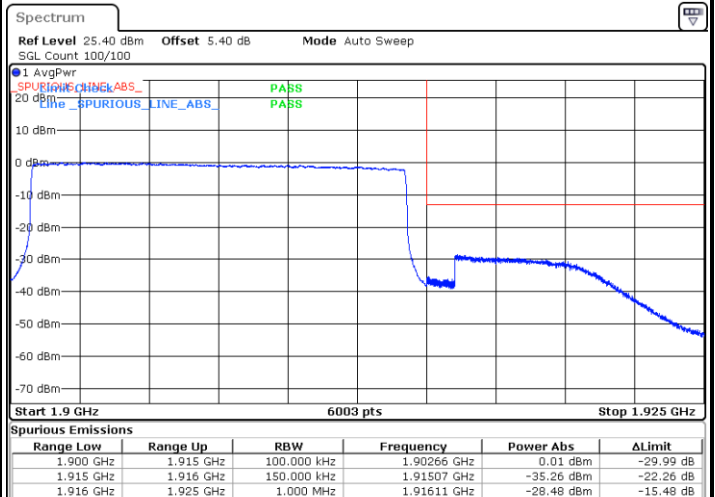
Date: 11.JAN.2023 00:08:34

Lowest Band Edge / Full RB



Date: 10.JAN.2023 23:58:26

Highest Band Edge / Full RB

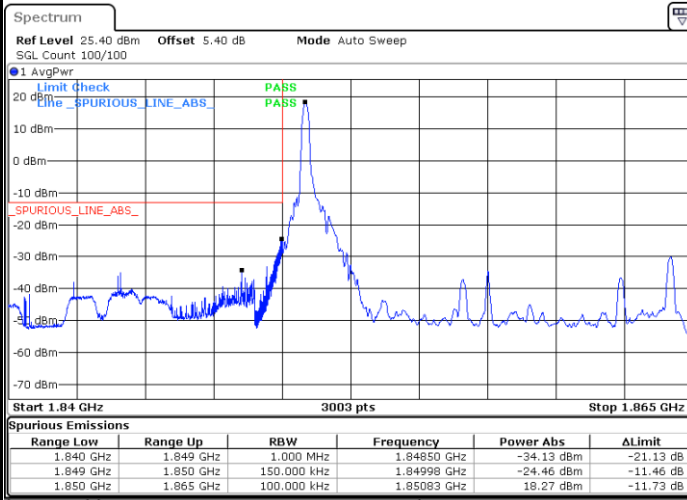


Date: 11.JAN.2023 00:02:31



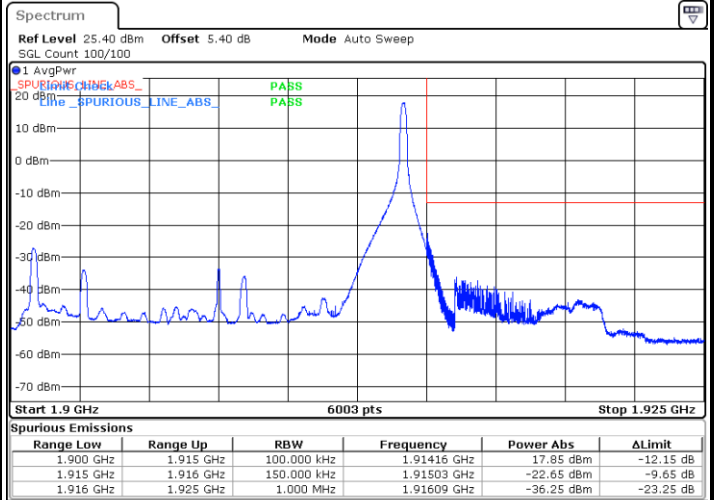
LTE Band 25 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



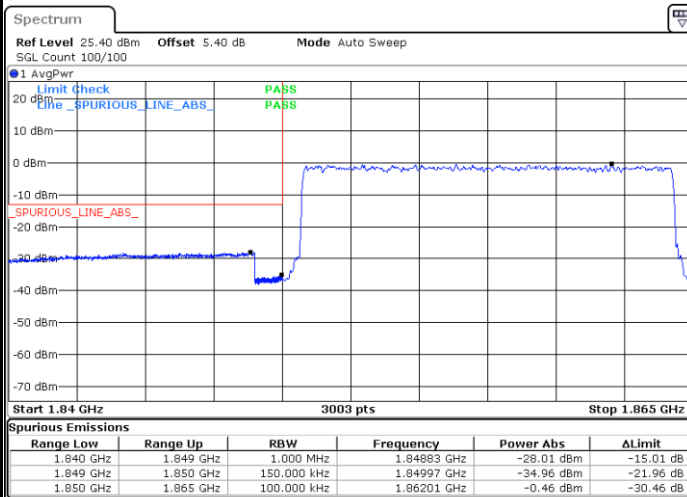
Date: 10.JAN.2023 23:55:23

Highest Band Edge / 1 RB



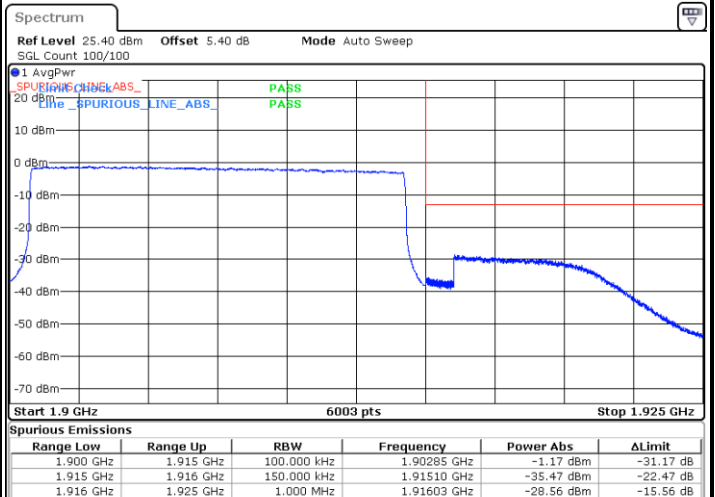
Date: 11.JAN.2023 00:07:33

Lowest Band Edge / Full RB



Date: 10.JAN.2023 23:59:27

Highest Band Edge / Full RB

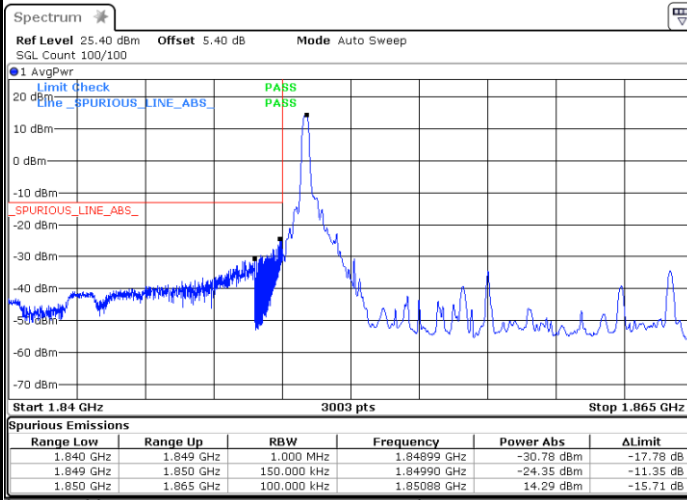


Date: 11.JAN.2023 00:03:33



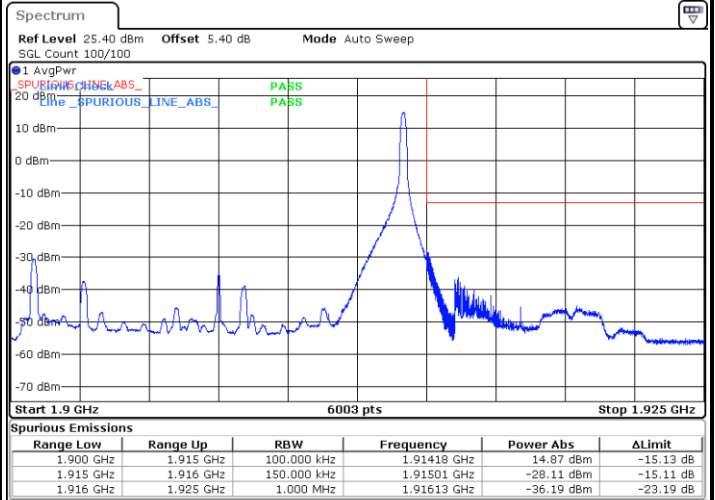
LTE Band 25 / 15MHz /256QAM

Lowest Band Edge / 1 RB



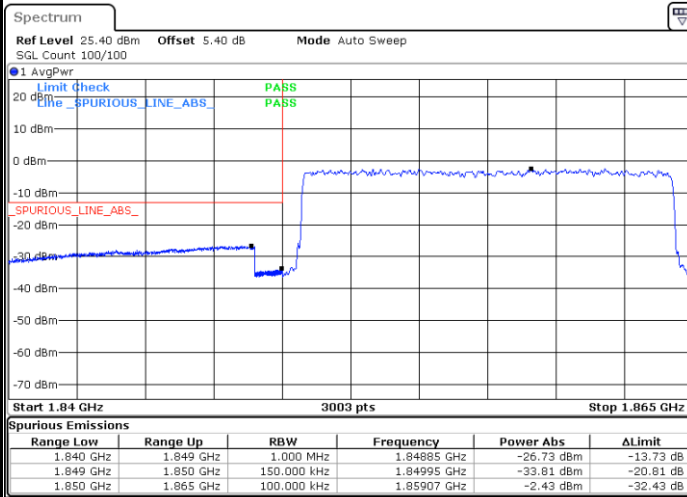
Date: 11.JAN.2023 01:54:47

Highest Band Edge / 1 RB



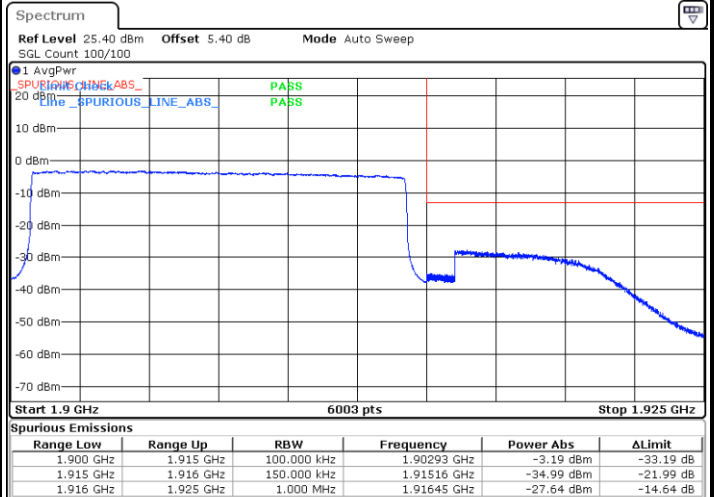
Date: 11.JAN.2023 00:06:31

Lowest Band Edge / Full RB



Date: 11.JAN.2023 00:00:29

Highest Band Edge / Full RB

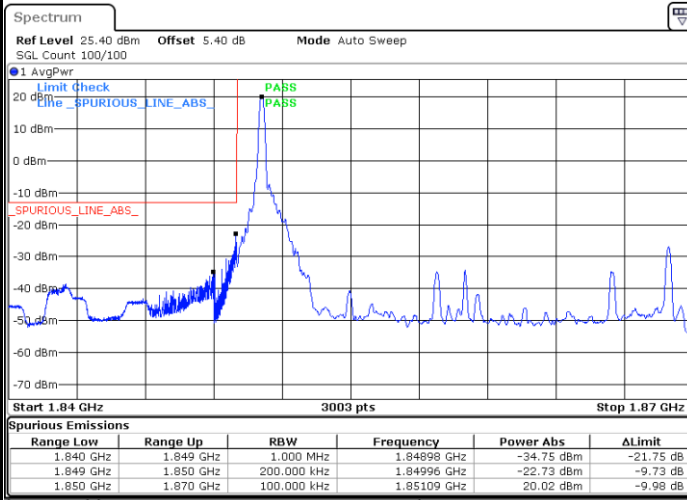


Date: 11.JAN.2023 00:04:34



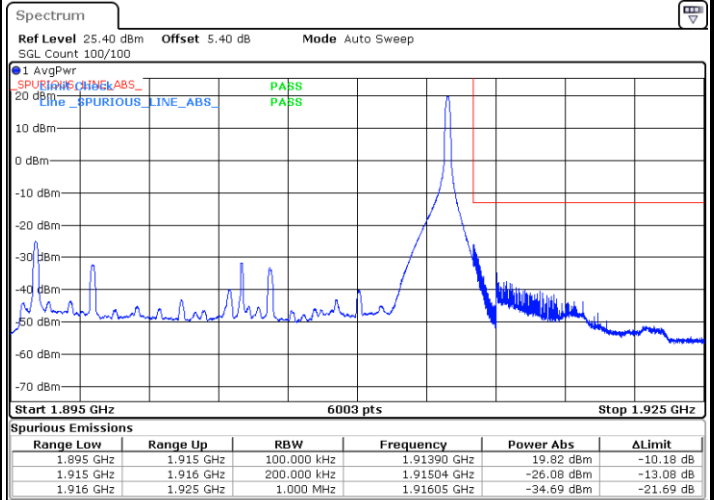
LTE Band 25 / 20MHz / QPSK

Lowest Band Edge / 1 RB



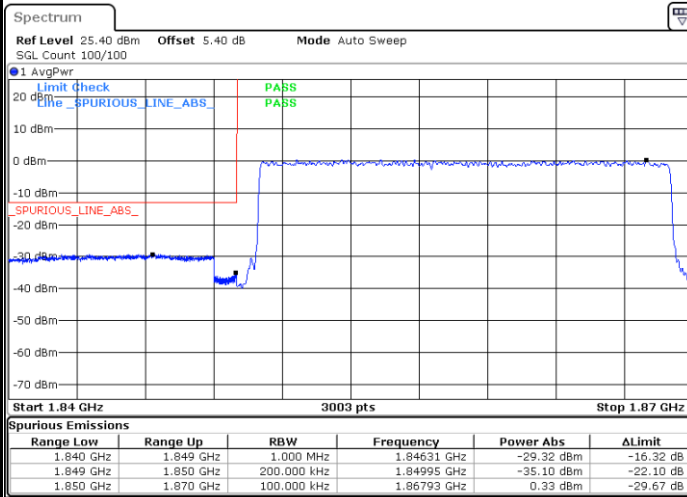
Date: 11.JAN.2023 00:10:37

Highest Band Edge / 1 RB



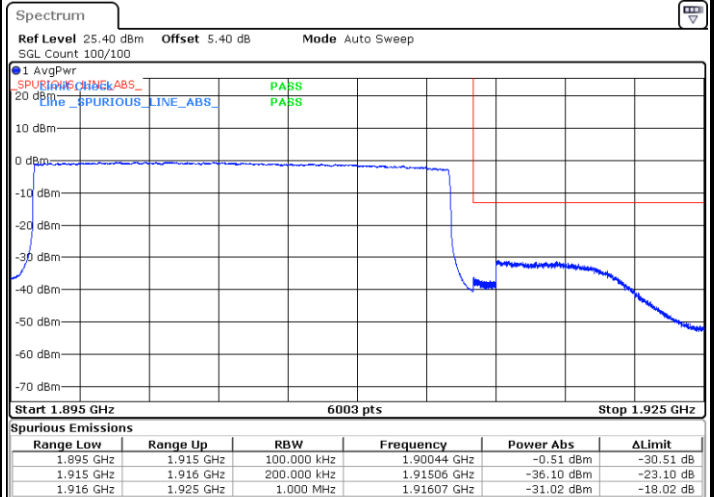
Date: 11.JAN.2023 00:23:12

Lowest Band Edge / Full RB



Date: 11.JAN.2023 00:14:42

Highest Band Edge / Full RB

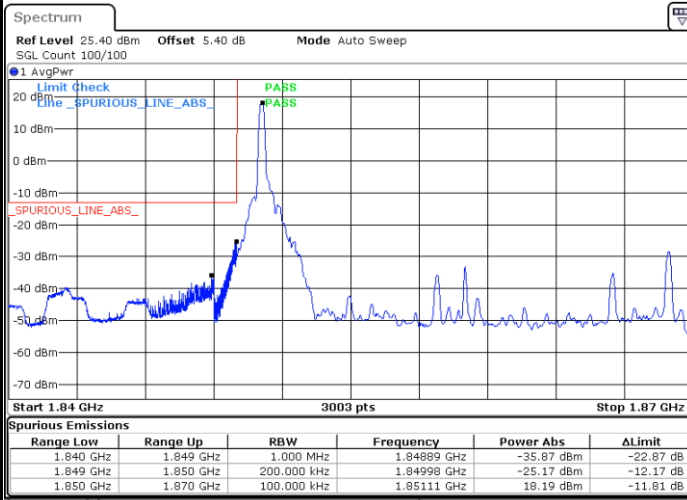


Date: 11.JAN.2023 00:18:50



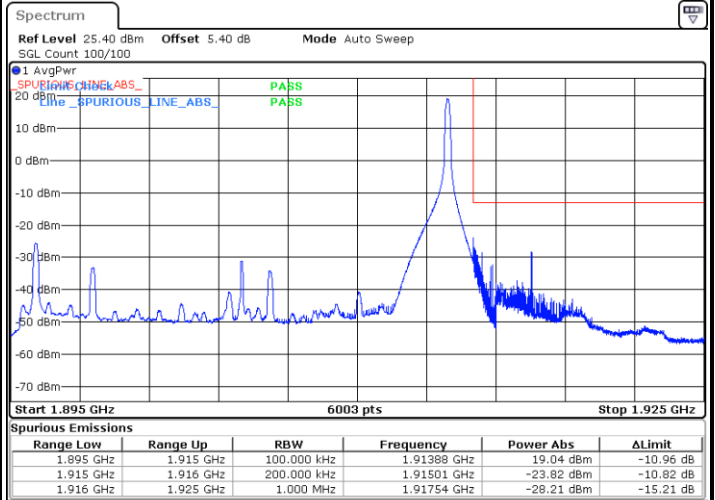
LTE Band 25 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



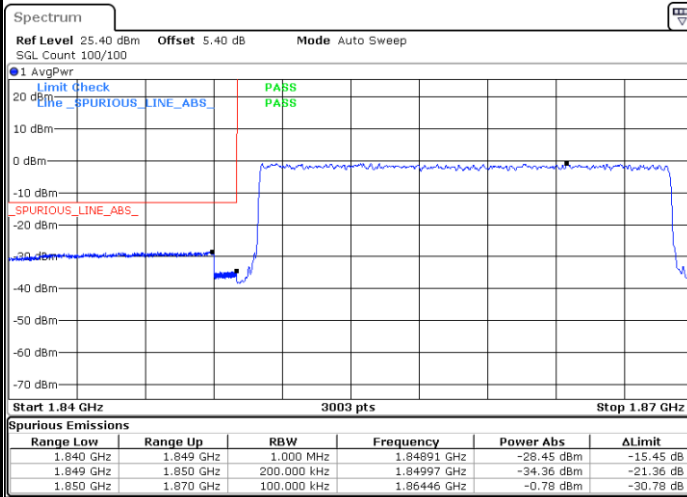
Date: 11.JAN.2023 00:11:39

Highest Band Edge / 1 RB



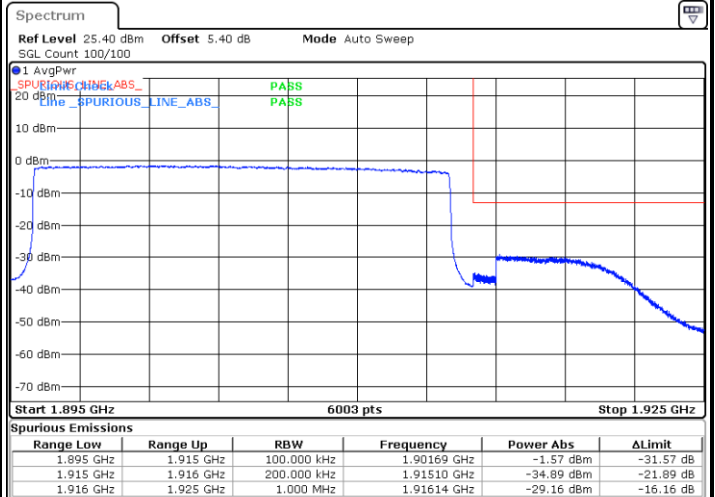
Date: 11.JAN.2023 00:24:17

Lowest Band Edge / Full RB



Date: 11.JAN.2023 00:15:43

Highest Band Edge / Full RB

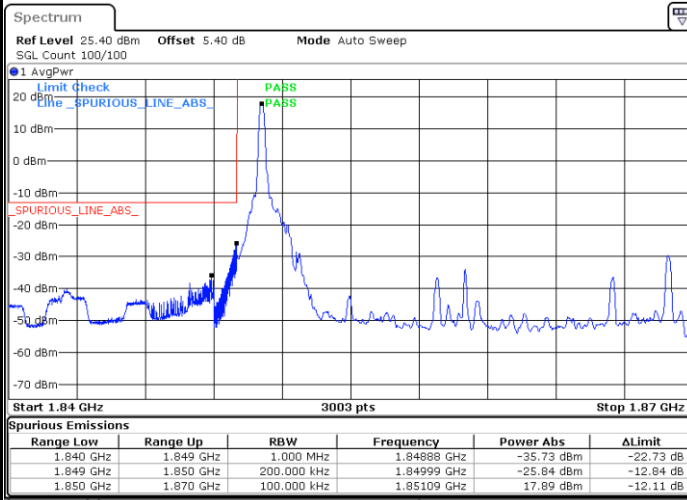


Date: 11.JAN.2023 00:19:56



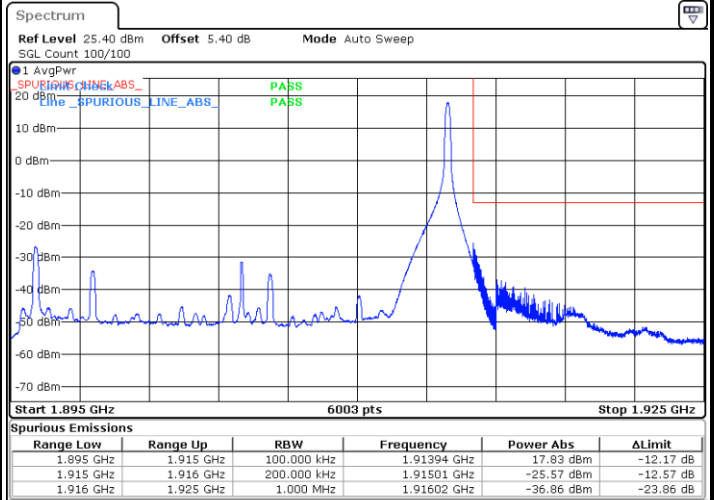
LTE Band 25 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



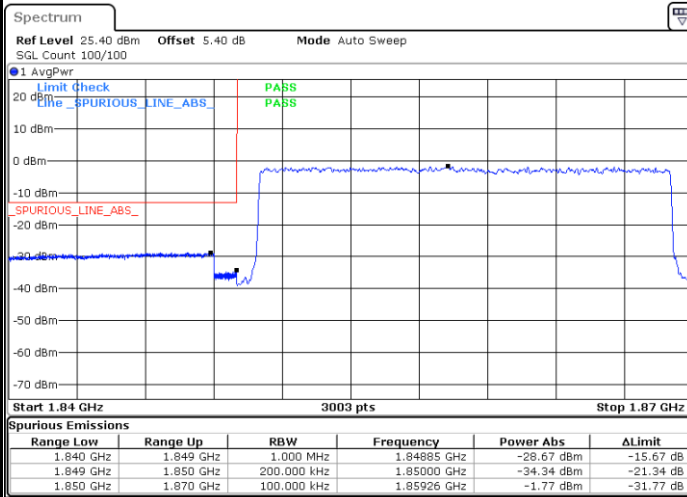
Date: 11.JAN.2023 00:12:41

Highest Band Edge / 1 RB



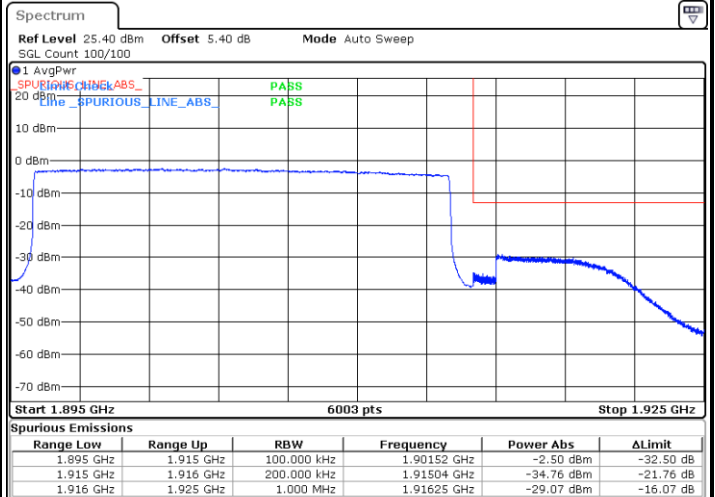
Date: 11.JAN.2023 00:25:23

Lowest Band Edge / Full RB



Date: 11.JAN.2023 00:16:44

Highest Band Edge / Full RB



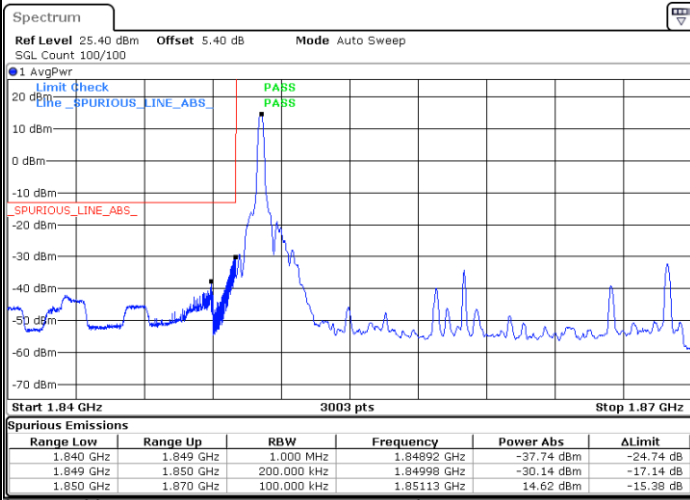
Date: 11.JAN.2023 00:21:01



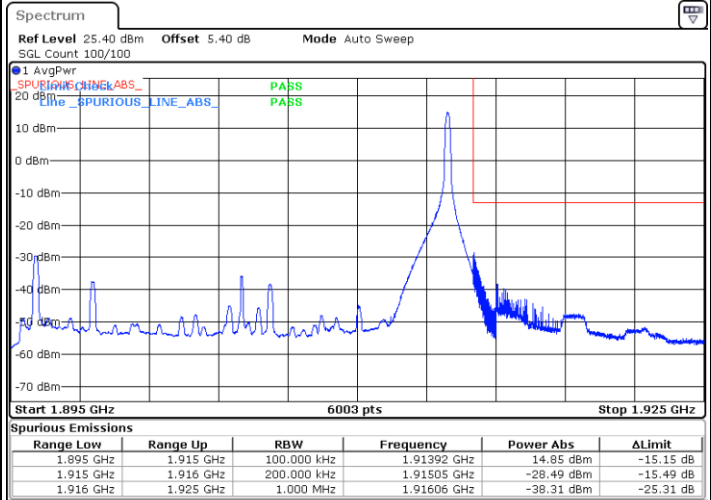
LTE Band 25 / 20MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



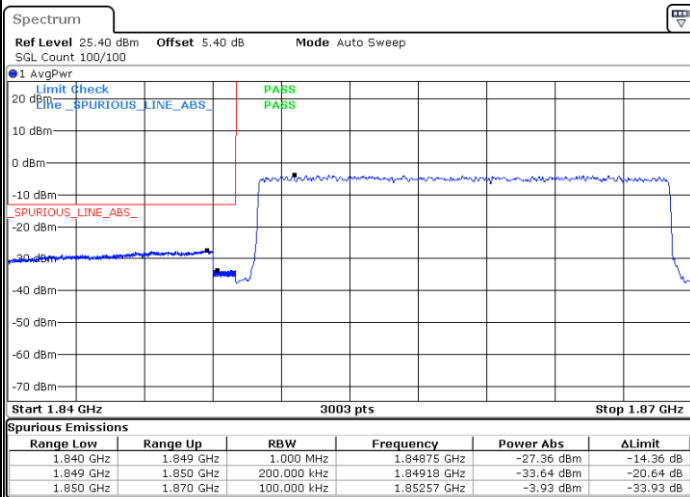
Date: 11.JAN.2023 00:13:42



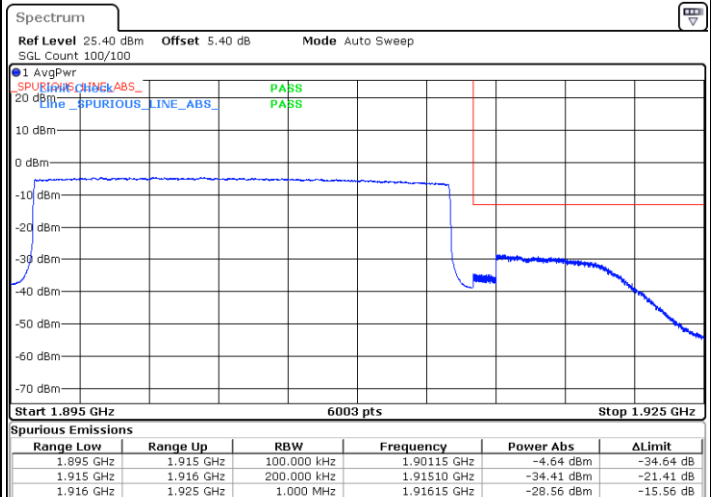
Date: 11.JAN.2023 00:26:28

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.JAN.2023 00:17:45



Date: 11.JAN.2023 00:22:06

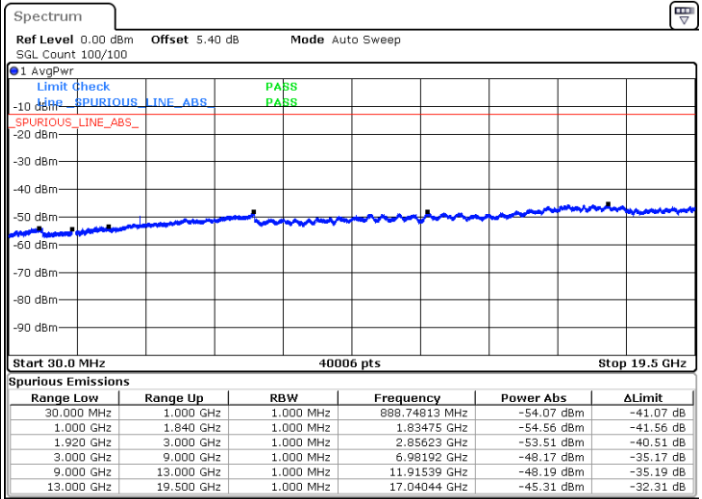
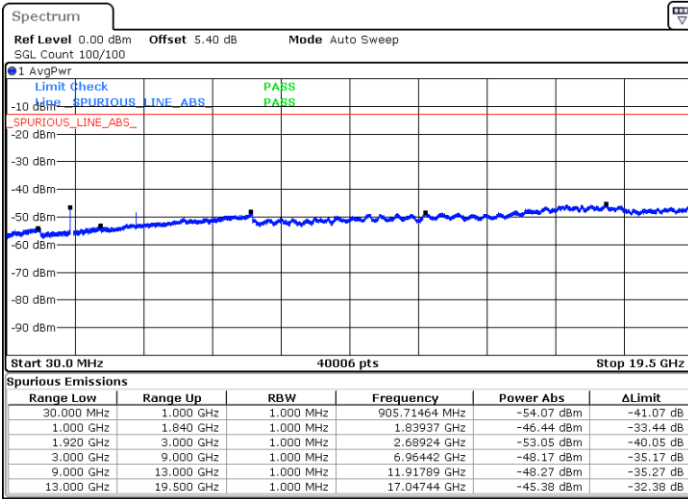


# Conducted Spurious Emission

## LTE Band 25 / 1.4MHz

### Lowest Channel / QPSK

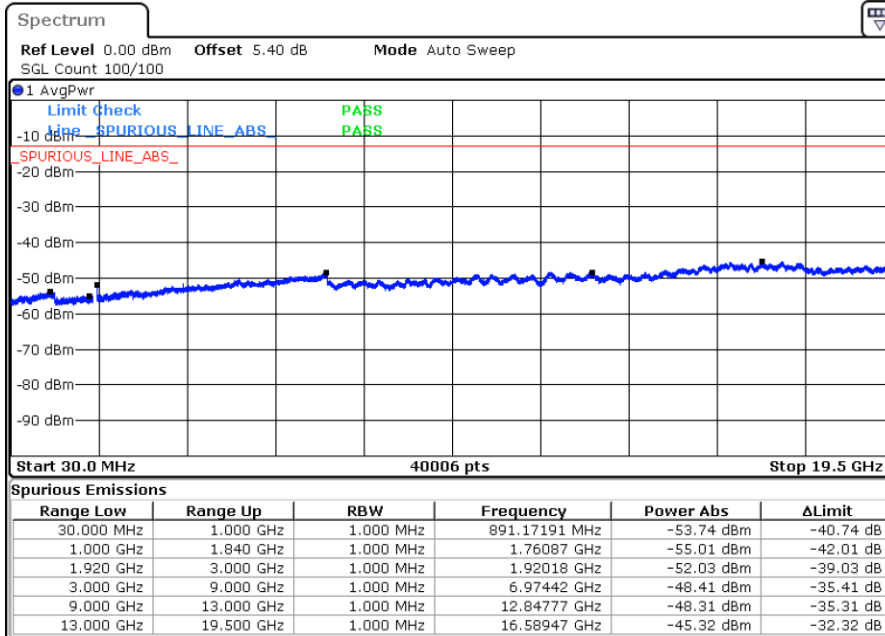
### Middle Channel / QPSK



Date: 11.JAN.2023 00:28:12

Date: 11.JAN.2023 00:29:40

### Highest Channel / QPSK



Date: 11.JAN.2023 00:31:08

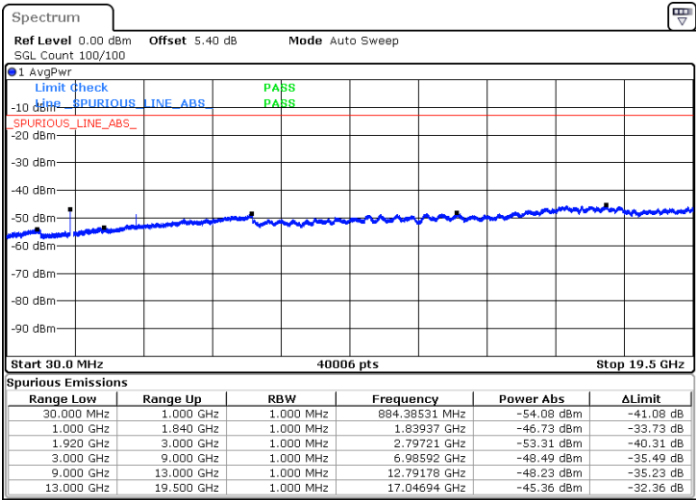




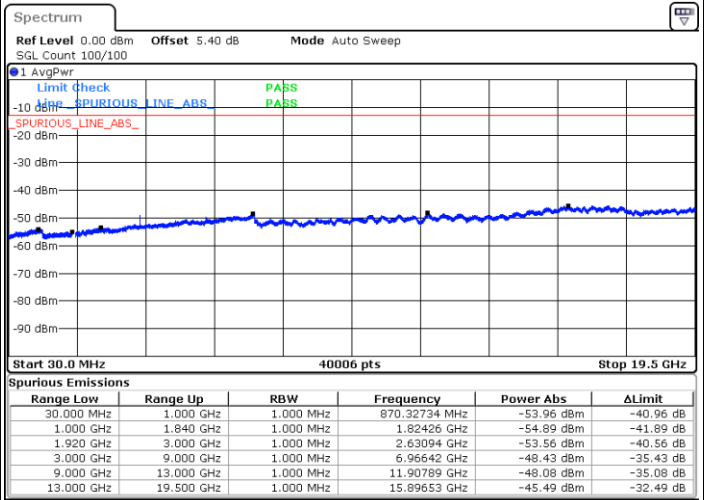
LTE Band 25 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

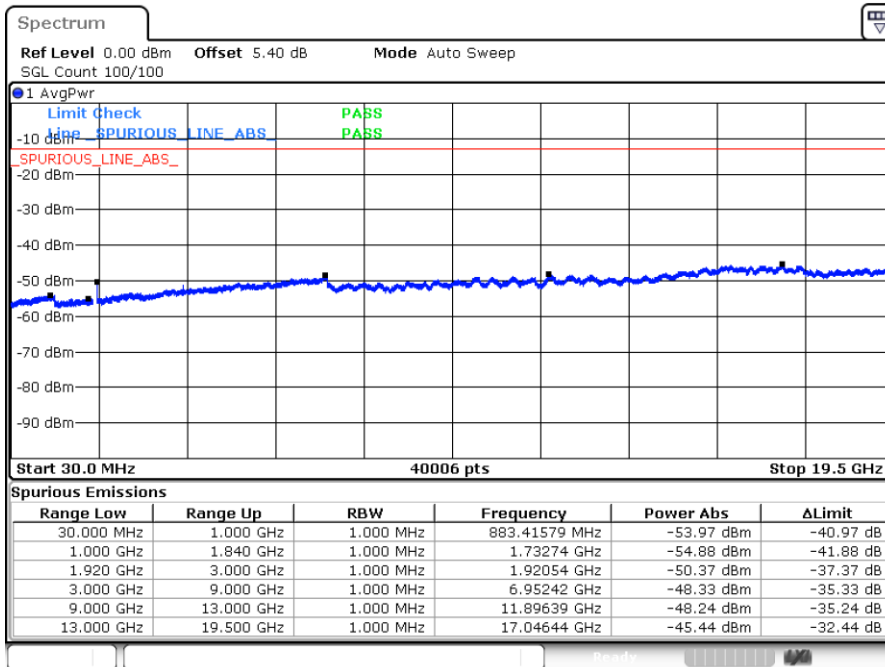


Date: 11.JAN.2023 00:32:36



Date: 11.JAN.2023 00:34:04

Highest Channel / QPSK



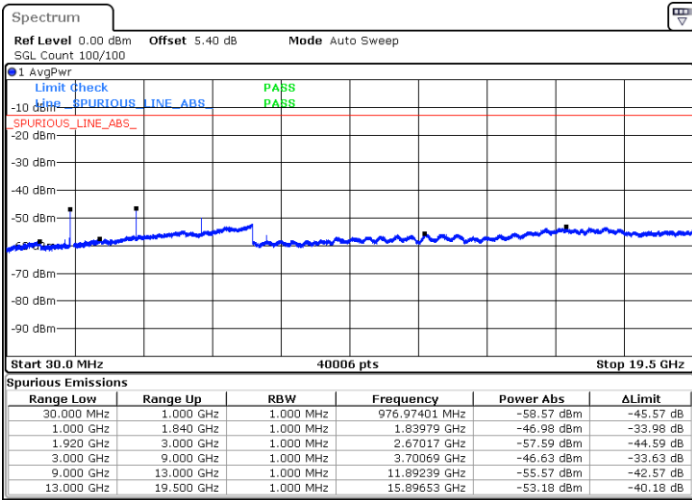
Date: 11.JAN.2023 00:35:31



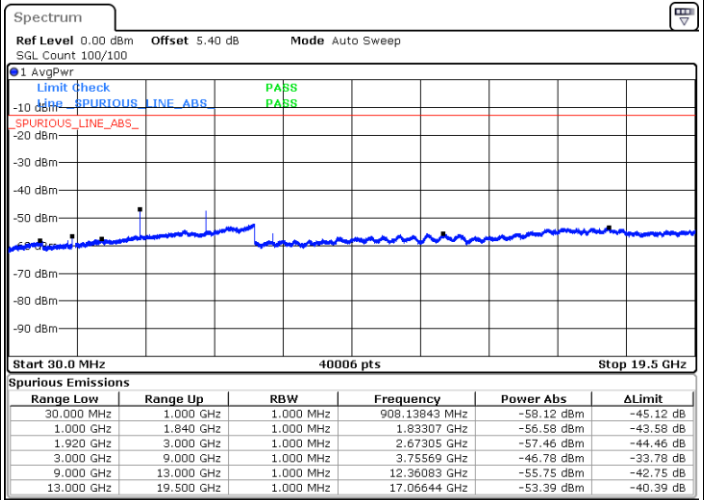
LTE Band 25 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

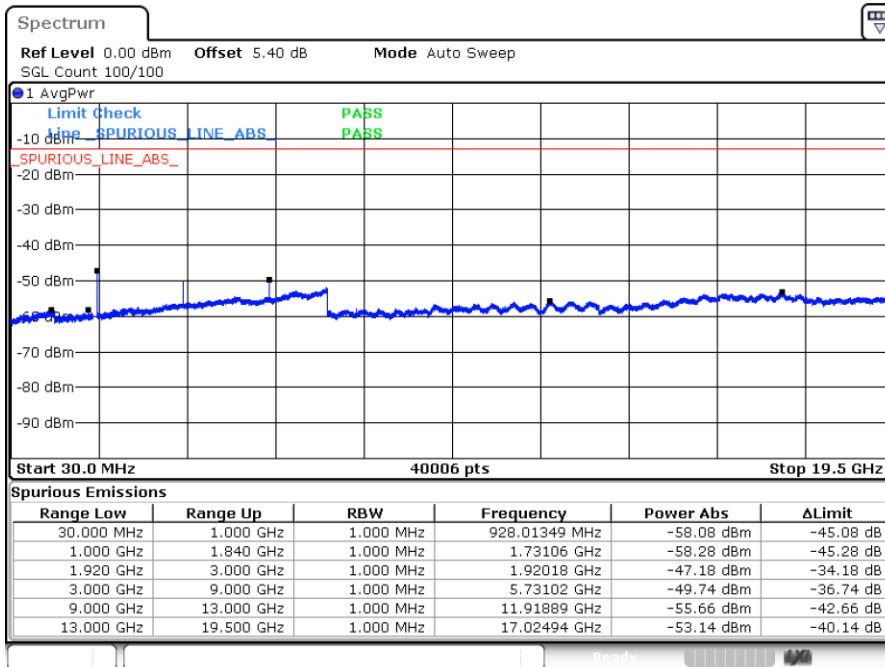


Date: 11.JAN.2023 00:36:59



Date: 11.JAN.2023 00:38:27

Highest Channel / QPSK



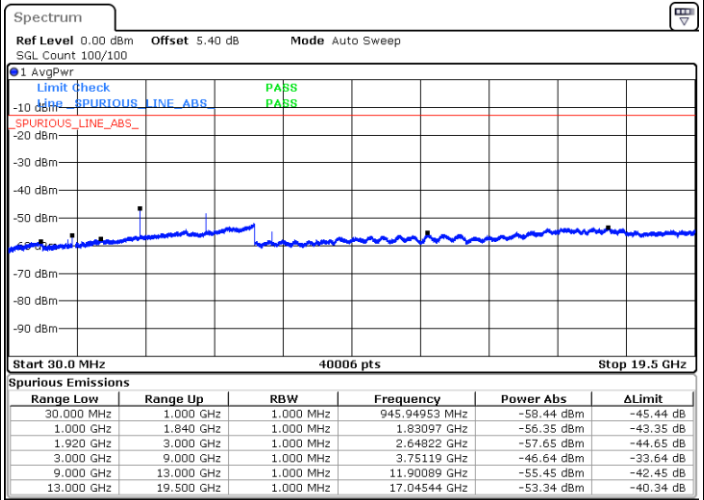
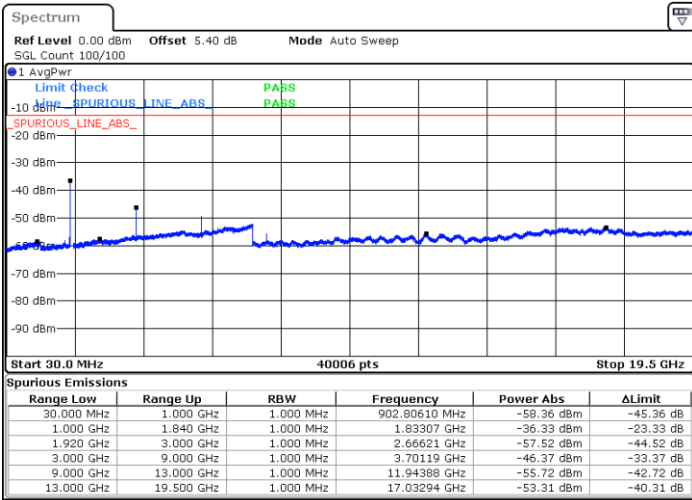
Date: 11.JAN.2023 00:39:55



LTE Band 25 / 10MHz

Lowest Channel / QPSK

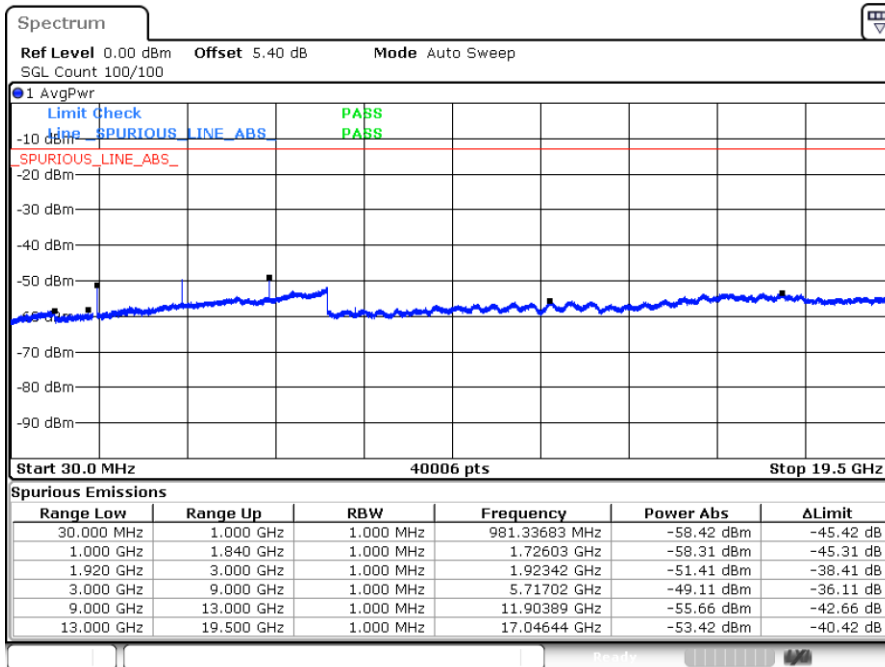
Middle Channel / QPSK



Date: 11.JAN.2023 00:41:24

Date: 11.JAN.2023 00:42:52

Highest Channel / QPSK



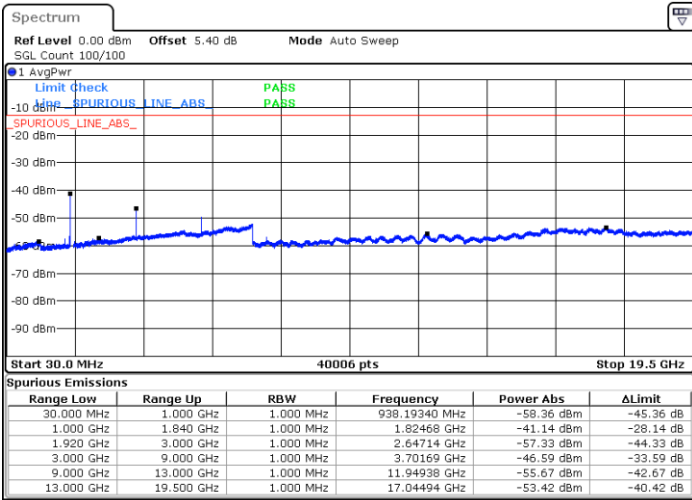
Date: 11.JAN.2023 00:44:20



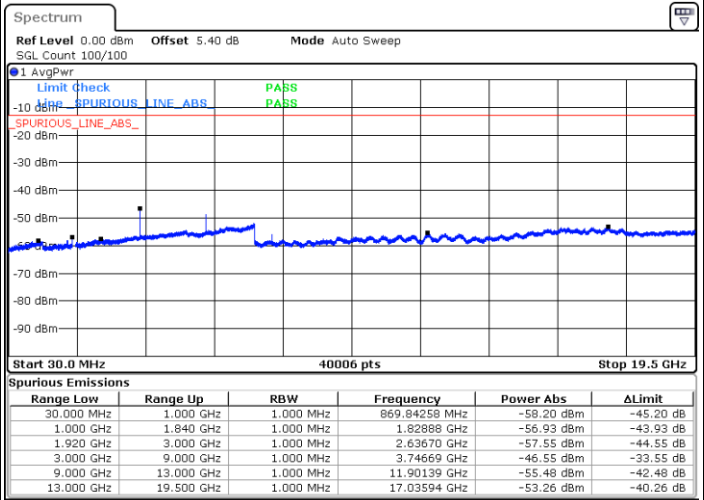
LTE Band 25 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

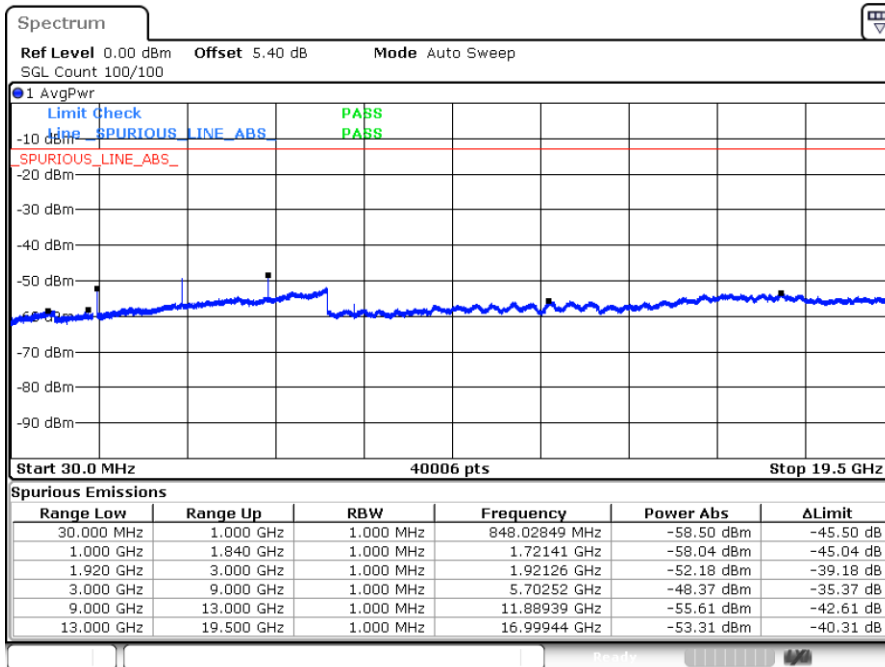


Date: 11.JAN.2023 00:45:48



Date: 11.JAN.2023 00:47:16

Highest Channel / QPSK



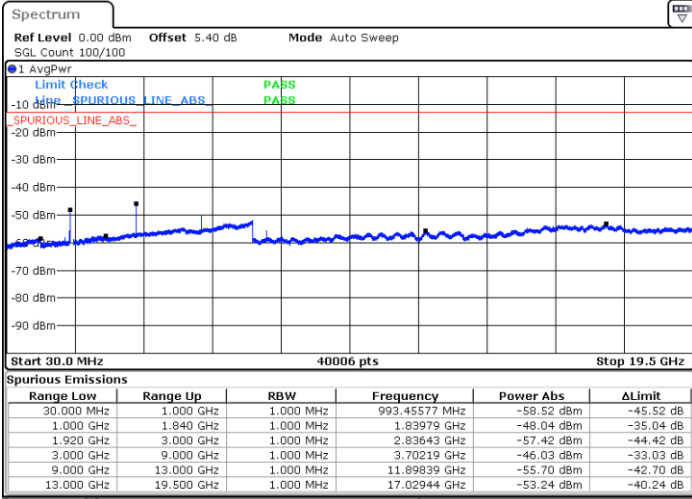
Date: 11.JAN.2023 00:48:43



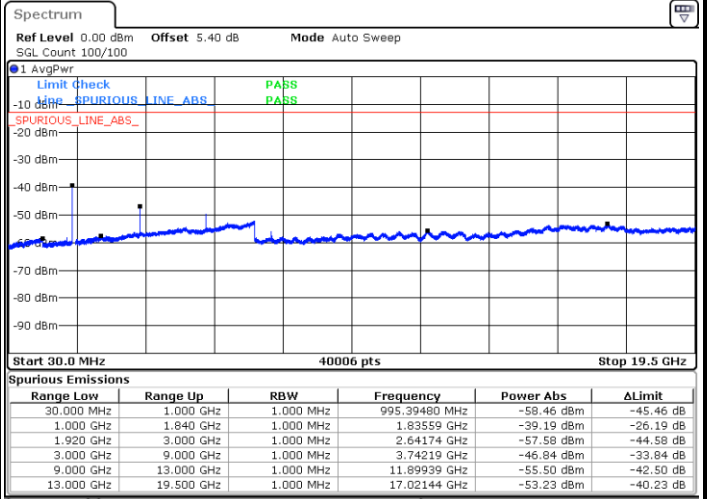
LTE Band 25 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

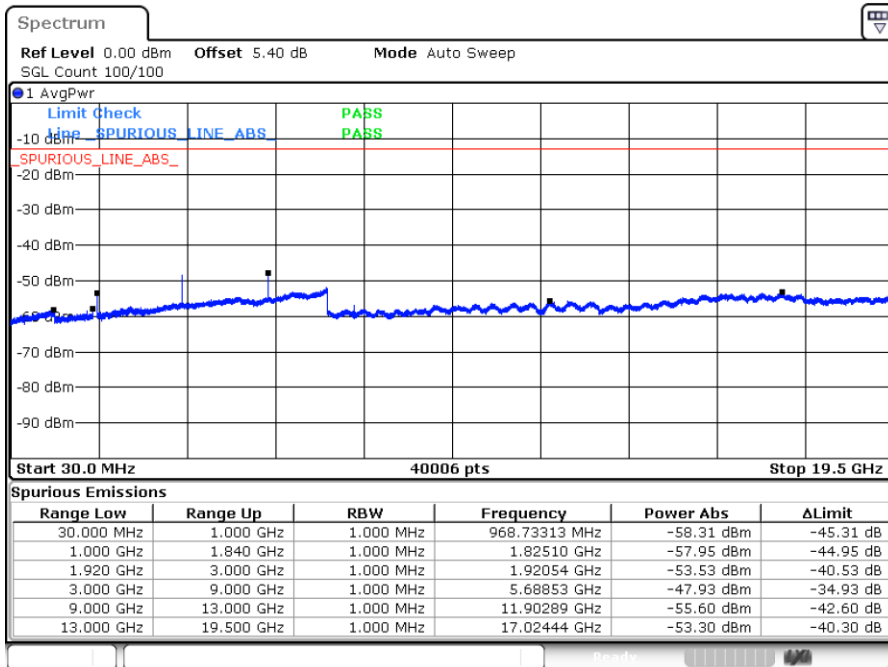


Date: 11.JAN.2023 00:50:12



Date: 11.JAN.2023 00:51:40

Highest Channel / QPSK



Date: 11.JAN.2023 00:53:08



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	0.0023	PASS
40	Normal Voltage	0.0026	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0009	
20	Battery End Point	0.0011	

Note:

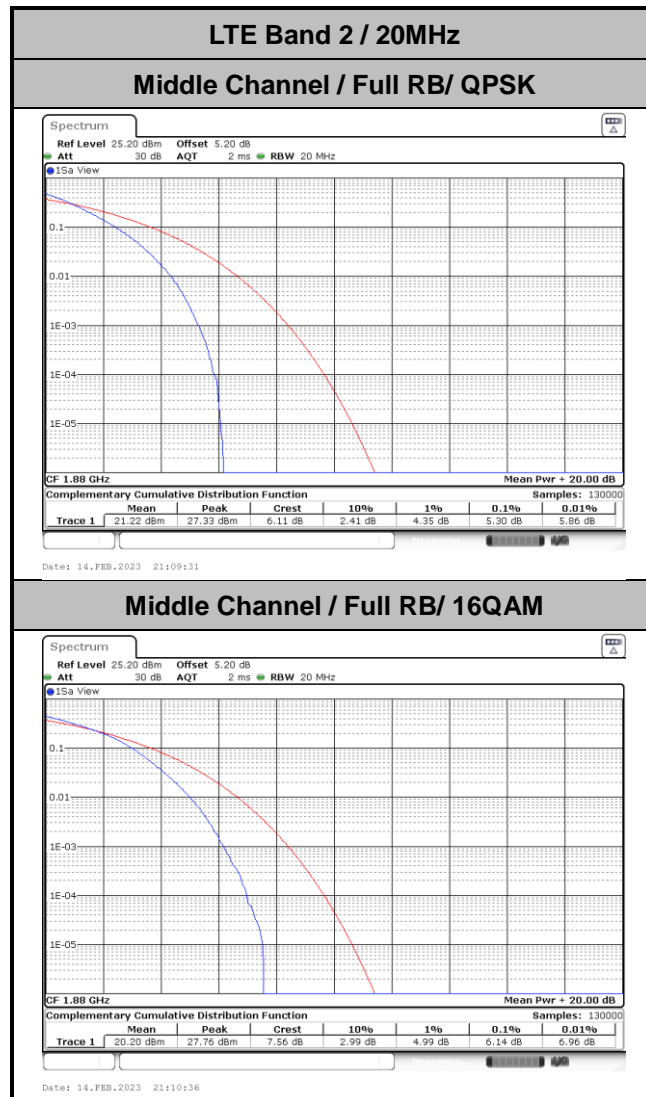
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

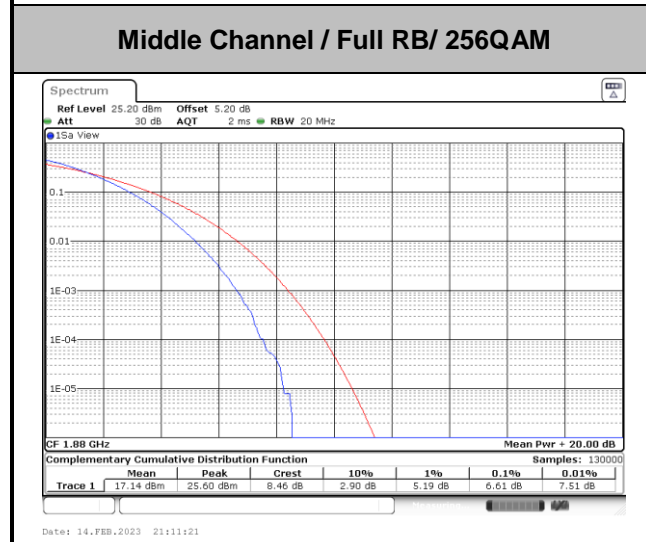
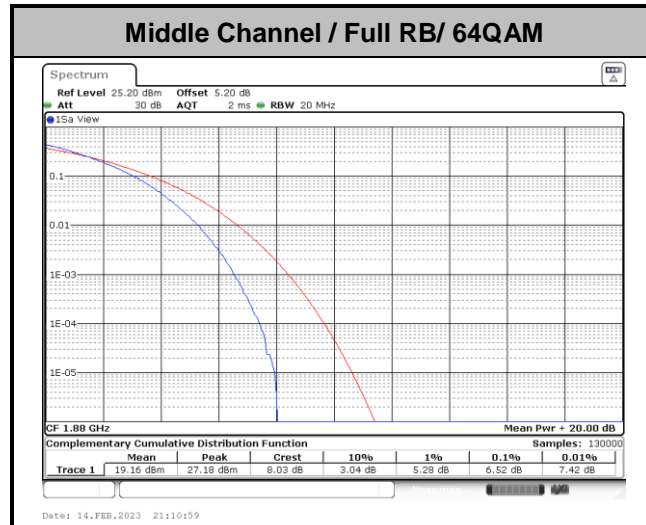


# LTE Band 2\_Othe PA

## 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	5.30	6.14	6.52	6.61	PASS









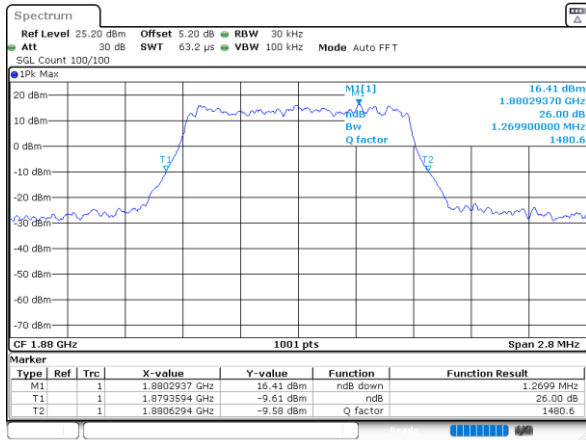
**26dB Bandwidth**

Mode	LTE Band 2 : 26dB BW(MHz)	
<b>BW</b>	<b>1.4MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	1.27	1.26
<b>BW</b>	<b>3MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	2.94	2.97
<b>BW</b>	<b>5MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	4.87	4.85
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	9.71	9.75
<b>BW</b>	<b>15MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	14.42	14.30
<b>BW</b>	<b>20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	18.74	18.98



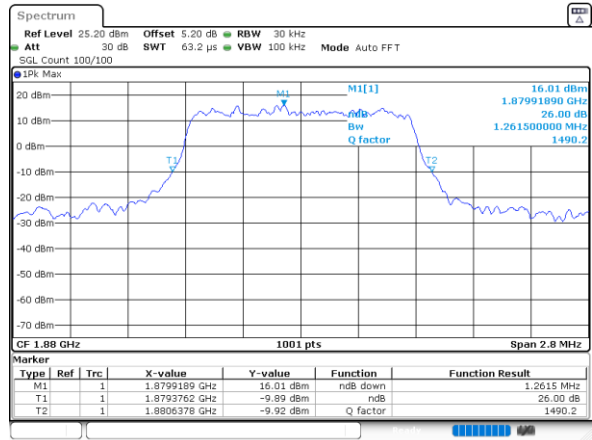
LTE Band 2

Middle Channel / 1.4MHz / QPSK



Date: 13.FEB.2023 21:10:22

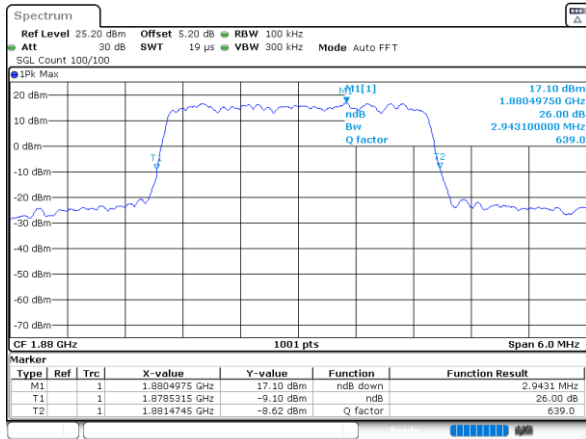
Middle Channel / 1.4MHz / 16QAM



Date: 13.FEB.2023 21:10:47

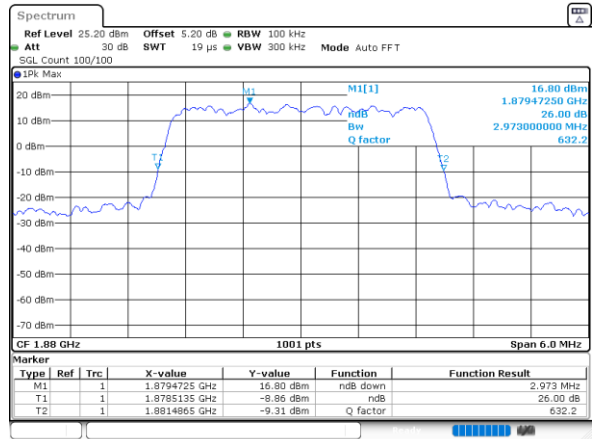
LTE Band 2

Middle Channel / 3MHz / QPSK



Date: 13.FEB.2023 22:00:25

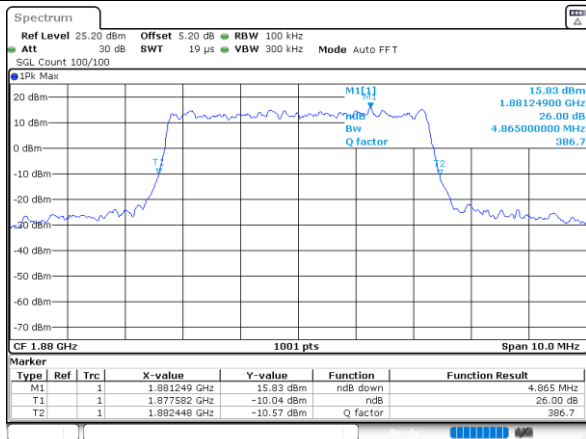
Middle Channel / 3MHz / 16QAM



Date: 13.FEB.2023 22:00:51

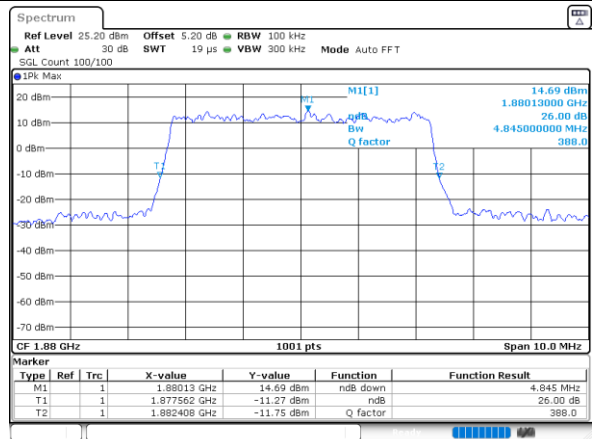
LTE Band 2

Middle Channel / 5MHz / QPSK



Date: 13.FEB.2023 23:29:35

Middle Channel / 5MHz / 16QAM

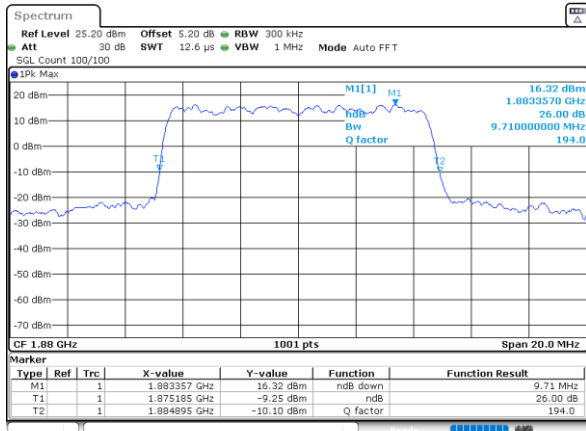


Date: 13.FEB.2023 23:30:19



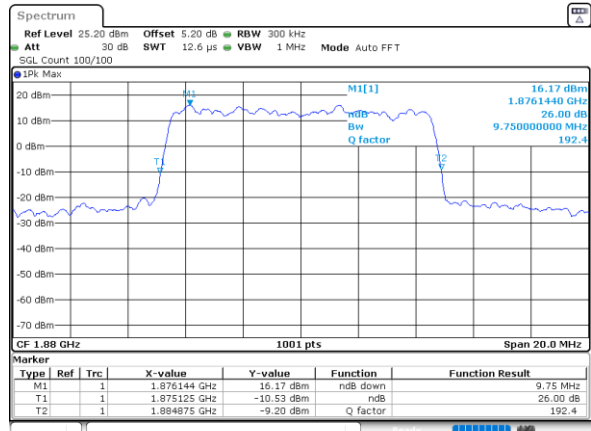
LTE Band 2

Middle Channel / 10MHz / QPSK



Date: 14.FEB.2023 01:24:27

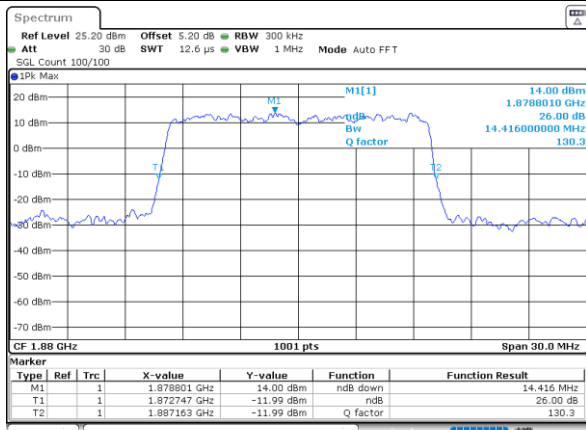
Middle Channel / 10MHz / 16QAM



Date: 14.FEB.2023 01:26:39

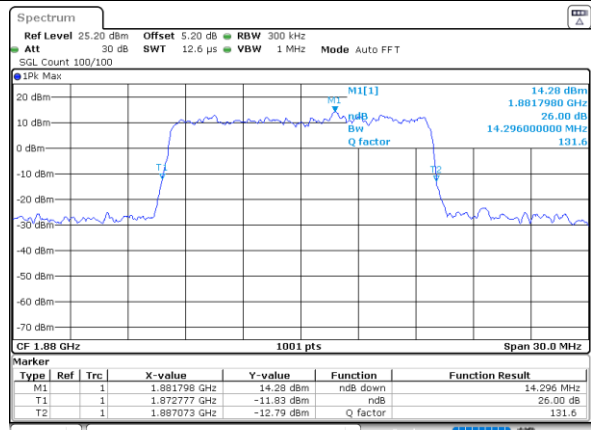
LTE Band 2

Middle Channel / 15MHz / QPSK



Date: 17.FEB.2023 12:43:12

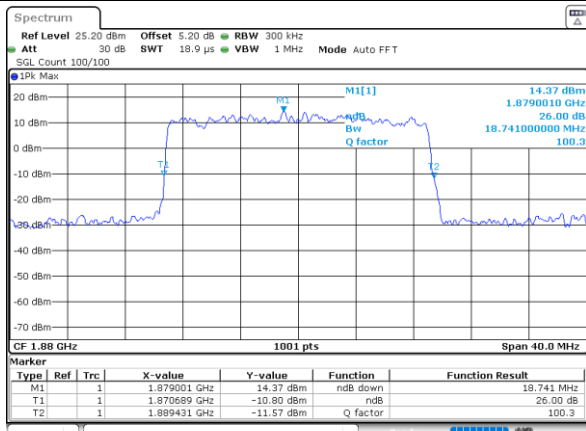
Middle Channel / 15MHz / 16QAM



Date: 17.FEB.2023 12:43:54

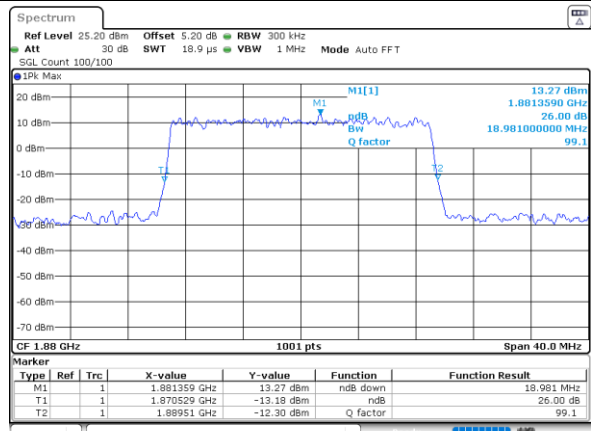
LTE Band 2

Middle Channel / 20MHz / QPSK



Date: 14.FEB.2023 21:08:48

Middle Channel / 20MHz / 16QAM



Date: 14.FEB.2023 21:09:53



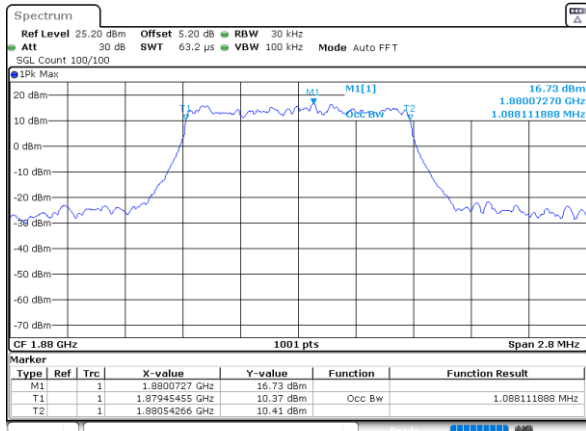
### Occupied Bandwidth

Mode	LTE Band 2 : 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	1.08
<b>BW</b>	<b>3MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	2.72	2.70
<b>BW</b>	<b>5MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	4.49	4.51
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	9.01	8.97
<b>BW</b>	<b>15MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	13.46	13.43
<b>BW</b>	<b>20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	17.94	17.78



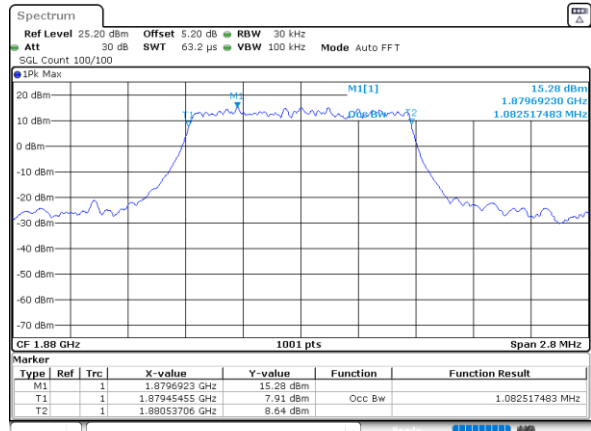
LTE Band 2

Middle Channel / 1.4MHz / QPSK



Date: 13.FEB.2023 21:09:04

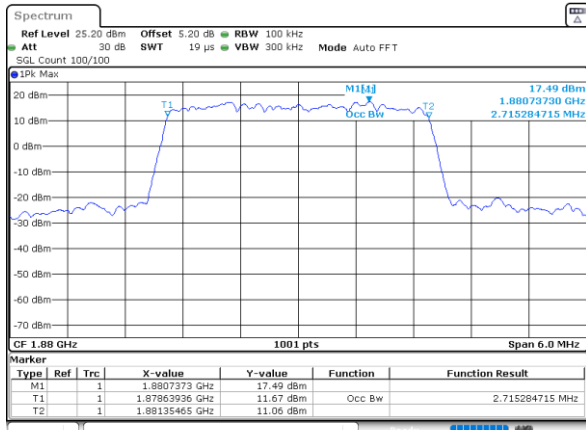
Middle Channel / 1.4MHz / 16QAM



Date: 13.FEB.2023 21:10:39

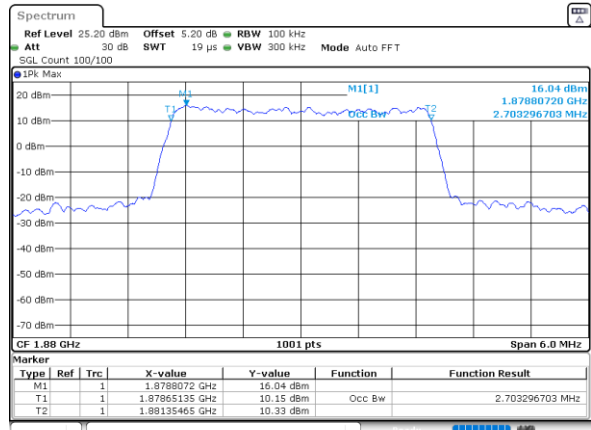
LTE Band 2

Middle Channel / 3MHz / QPSK



Date: 13.FEB.2023 21:59:43

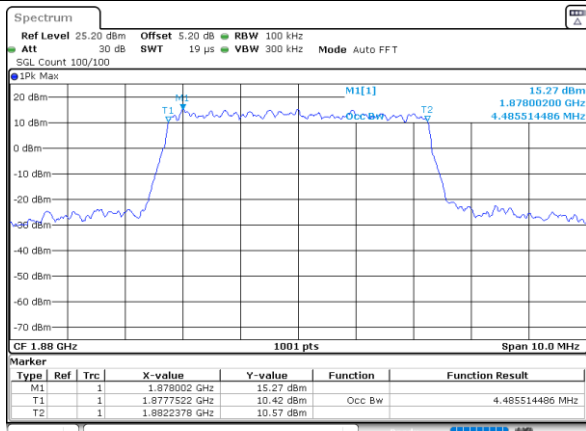
Middle Channel / 3MHz / 16QAM



Date: 13.FEB.2023 22:00:42

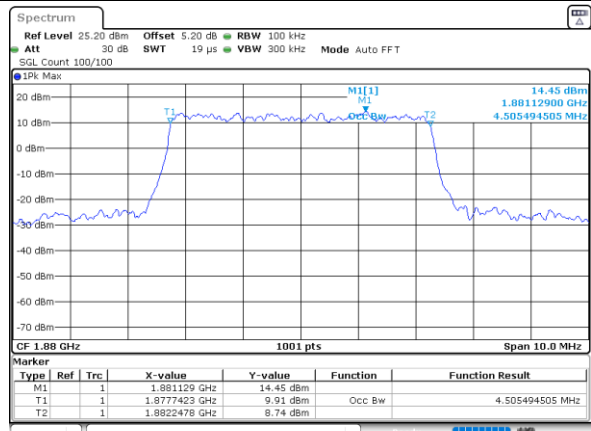
LTE Band 2

Middle Channel / 5MHz / QPSK



Date: 13.FEB.2023 23:29:20

Middle Channel / 5MHz / 16QAM

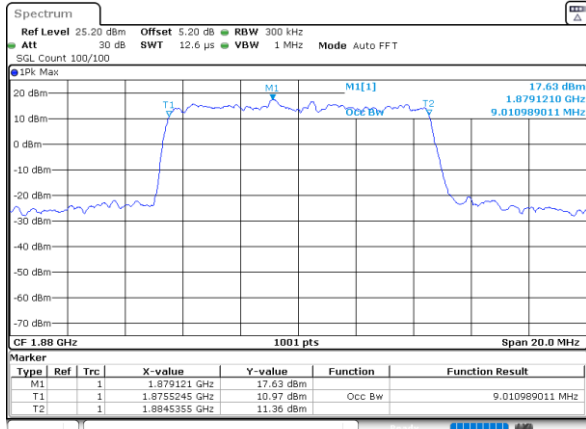


Date: 13.FEB.2023 23:30:09



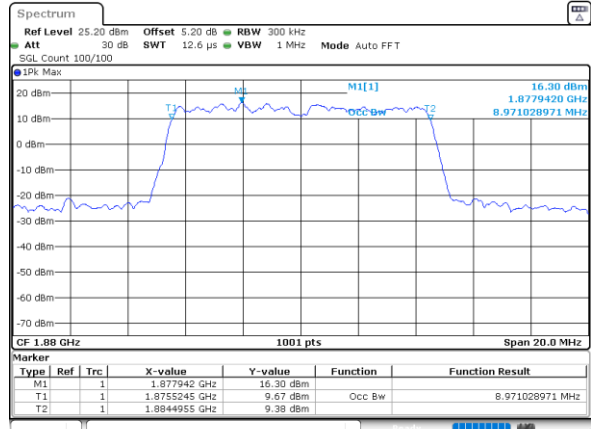
LTE Band 2

Middle Channel / 10MHz / QPSK



Date: 14.FEB.2023 01:24:52

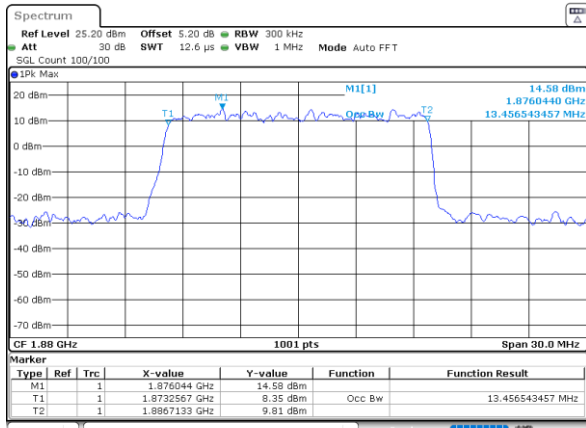
Middle Channel / 10MHz / 16QAM



Date: 14.FEB.2023 01:25:11

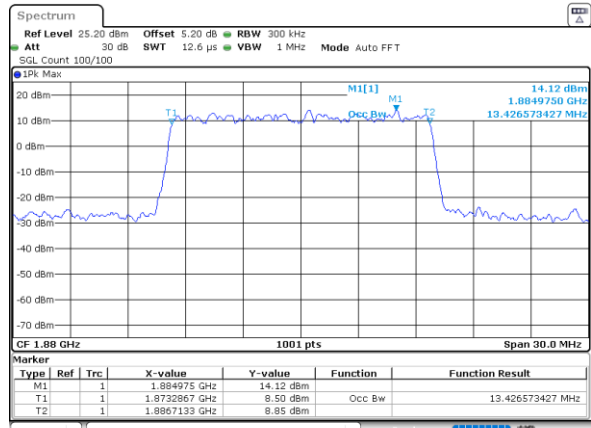
LTE Band 2

Middle Channel / 15MHz / QPSK



Date: 17.FEB.2023 12:42:41

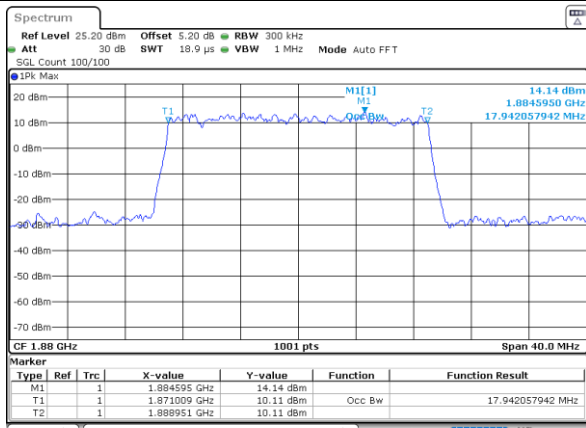
Middle Channel / 15MHz / 16QAM



Date: 17.FEB.2023 12:43:34

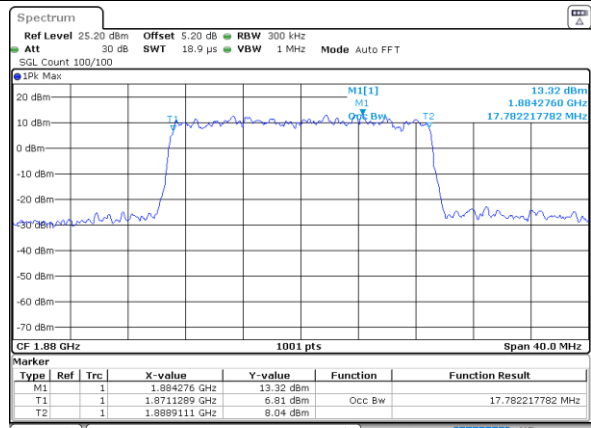
LTE Band 2

Middle Channel / 20MHz / QPSK



Date: 14.FEB.2023 21:09:09

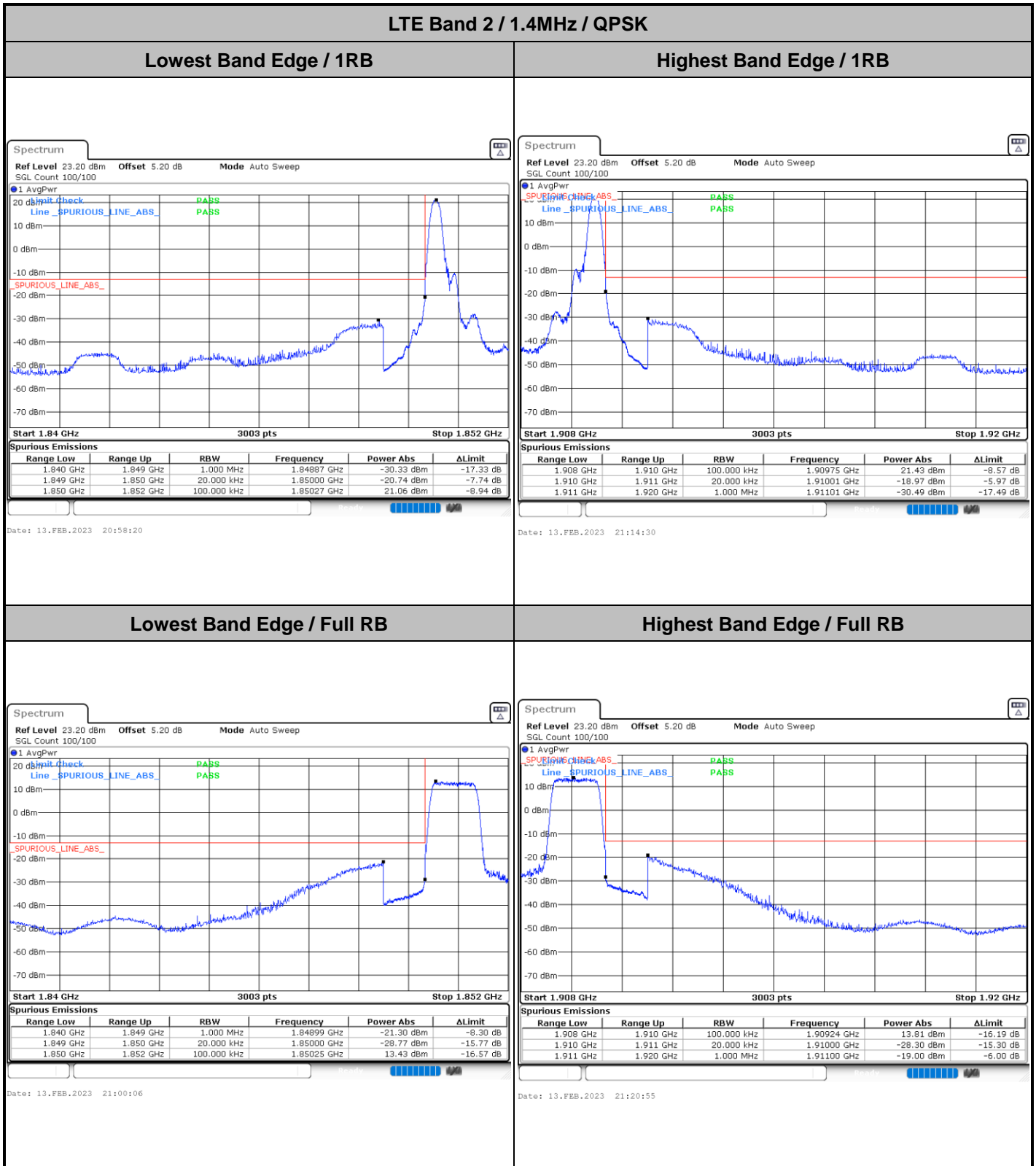
Middle Channel / 20MHz / 16QAM



Date: 14.FEB.2023 21:10:14



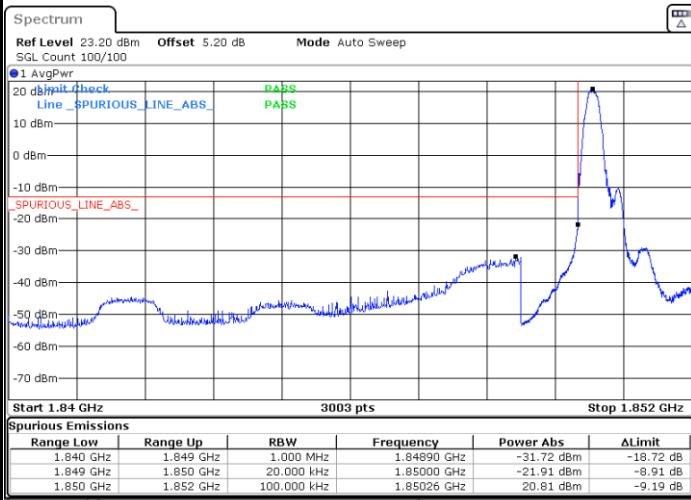
# Conducted Band Edge





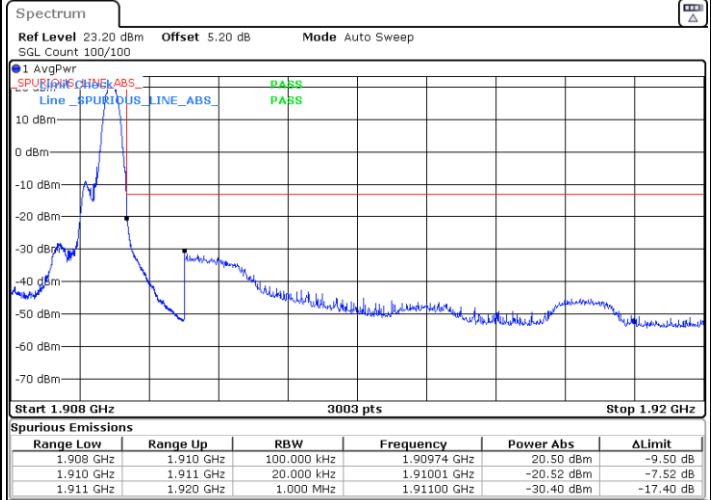
LTE Band 2 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



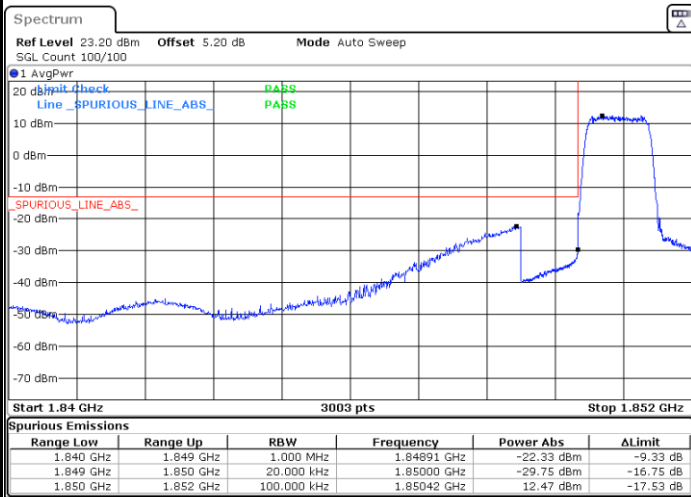
Date: 13.FEB.2023 20:57:07

Highest Band Edge / 1 RB



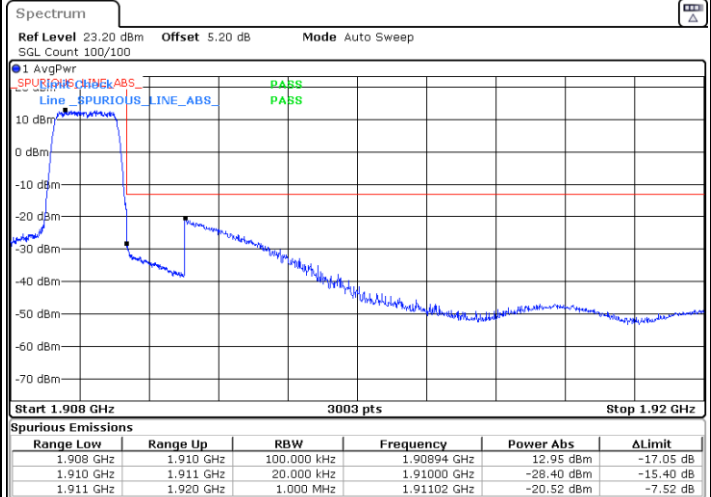
Date: 13.FEB.2023 21:15:50

Lowest Band Edge / Full RB



Date: 13.FEB.2023 21:01:15

Highest Band Edge / Full RB



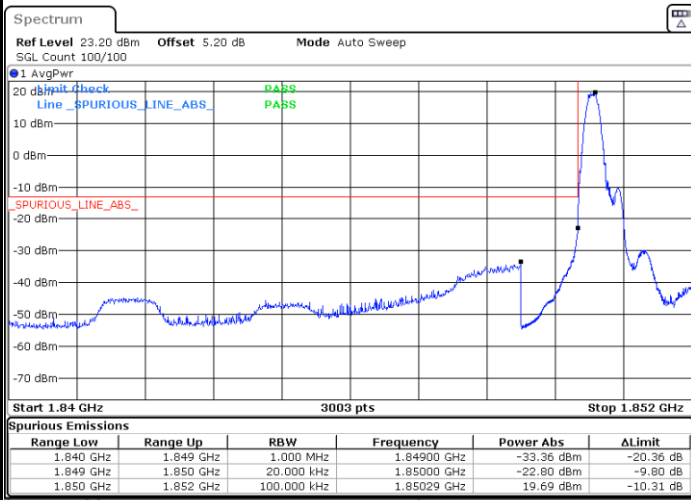
Date: 13.FEB.2023 21:22:05





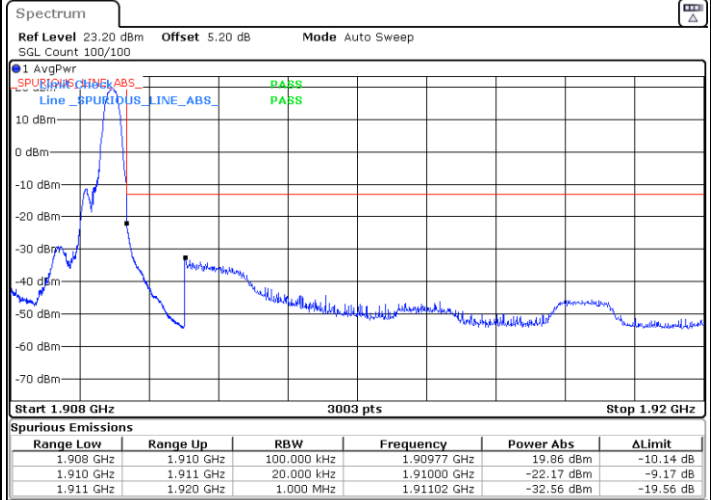
LTE Band 2 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



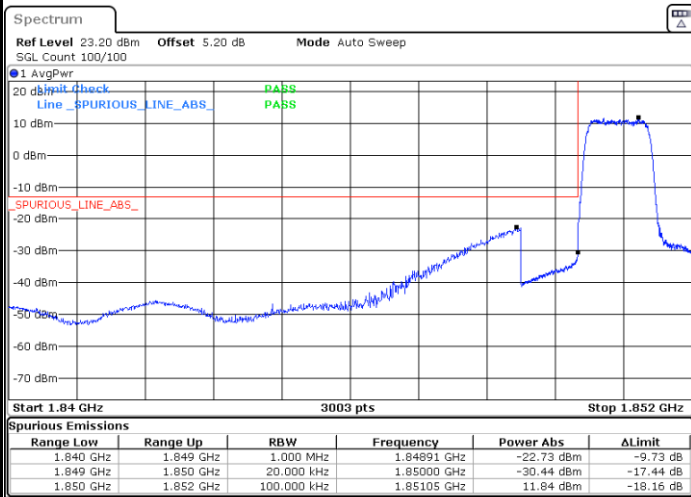
Date: 13.FEB.2023 20:55:52

Highest Band Edge / 1 RB



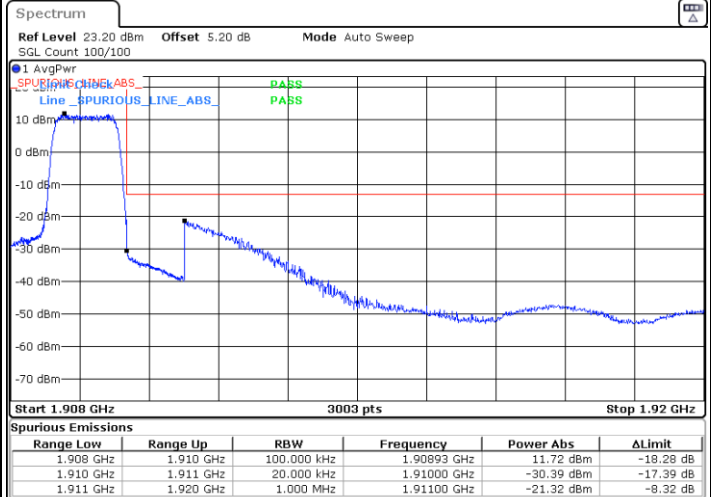
Date: 13.FEB.2023 21:19:11

Lowest Band Edge / Full RB



Date: 13.FEB.2023 21:04:03

Highest Band Edge / Full RB

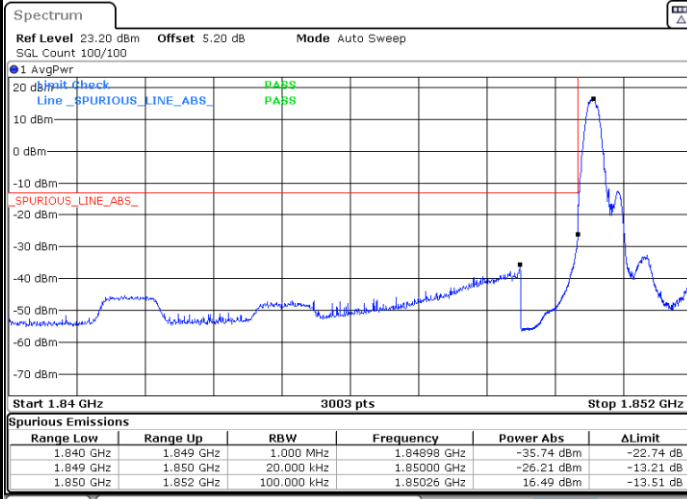


Date: 13.FEB.2023 21:24:45



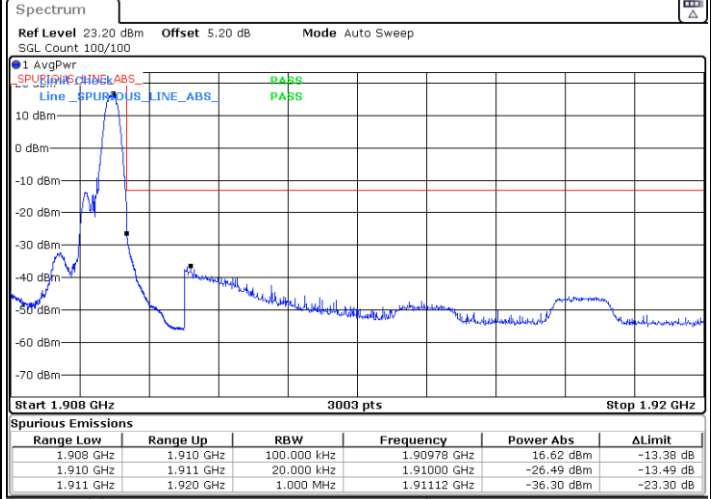
LTE Band 2 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



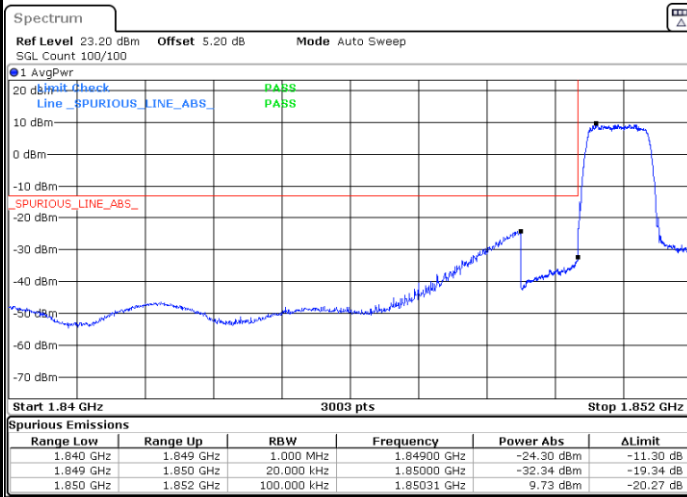
Date: 13.FEB.2023 20:54:33

Highest Band Edge / 1 RB



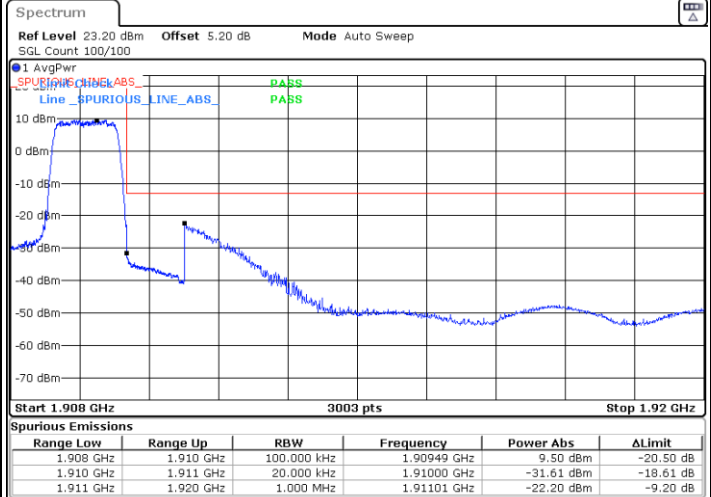
Date: 13.FEB.2023 21:17:42

Lowest Band Edge / Full RB



Date: 13.FEB.2023 21:02:39

Highest Band Edge / Full RB

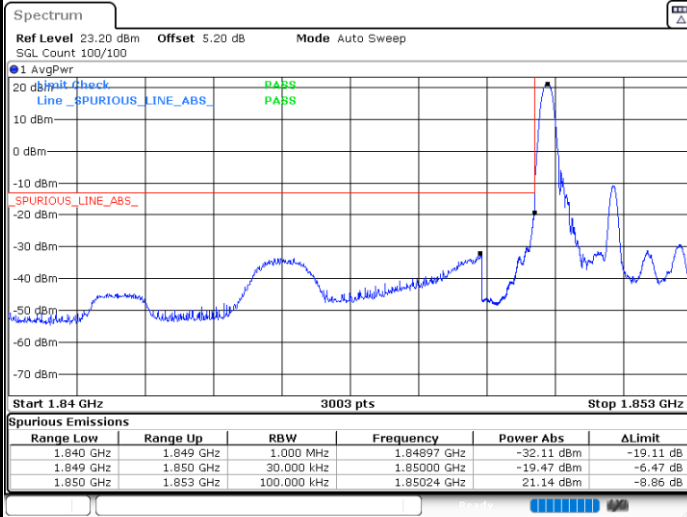


Date: 13.FEB.2023 21:23:15



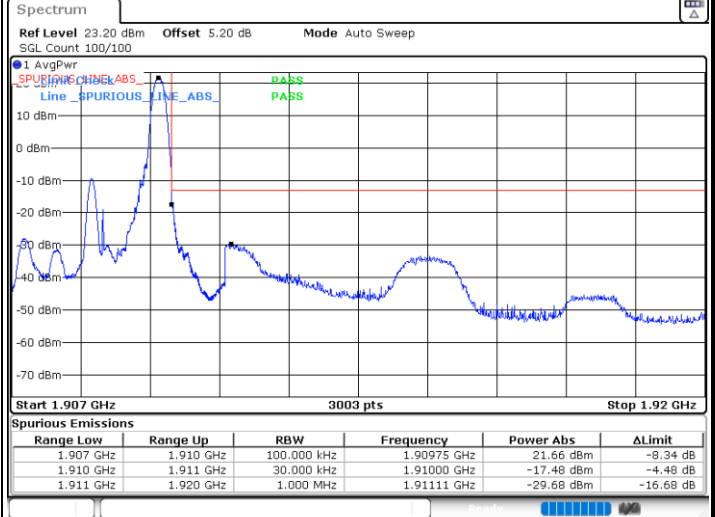
LTE Band 2 / 3MHz / QPSK

Lowest Band Edge / 1RB



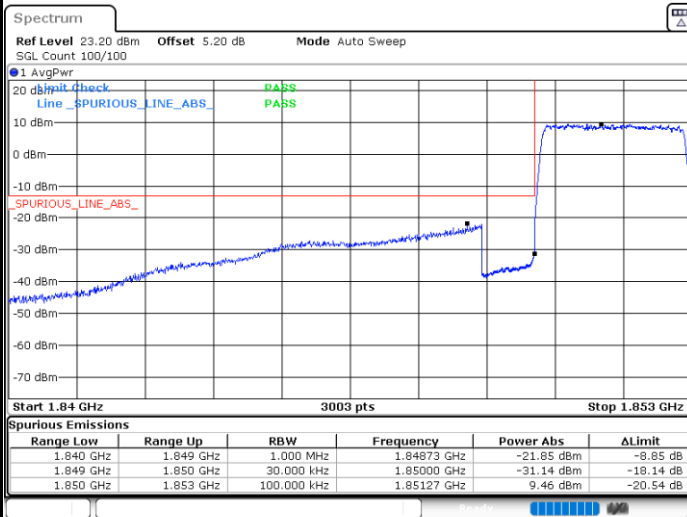
Date: 13.FEB.2023 21:28:12

Highest Band Edge / 1 RB



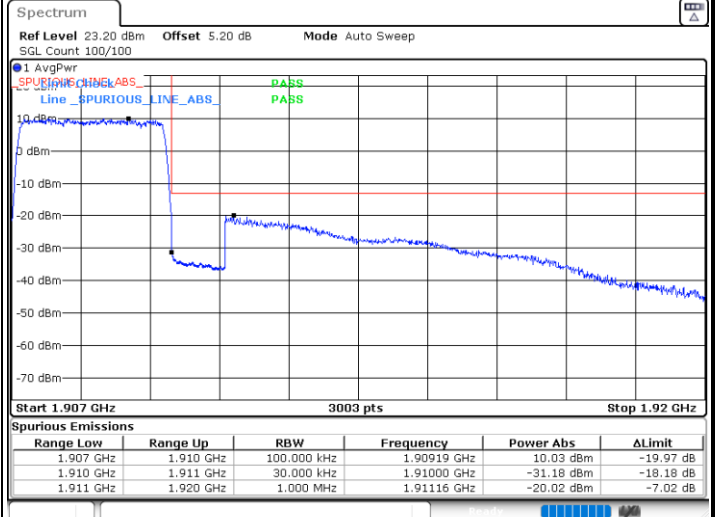
Date: 13.FEB.2023 22:05:50

Lowest Band Edge / Full RB



Date: 13.FEB.2023 21:33:17

Highest Band Edge / Full RB

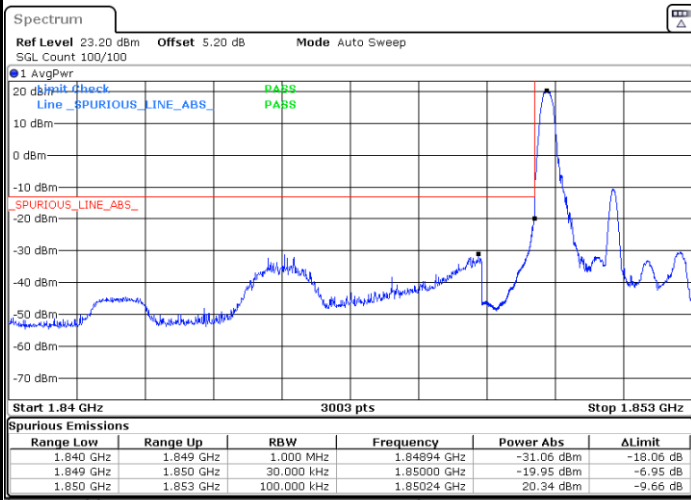


Date: 13.FEB.2023 22:12:40



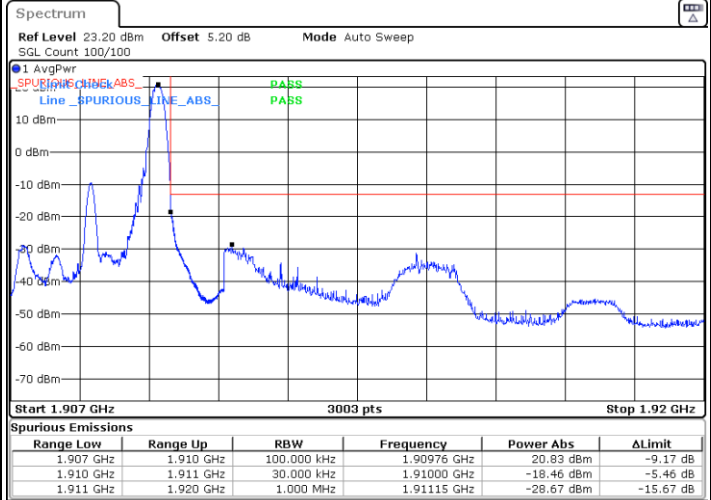
LTE Band 2 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



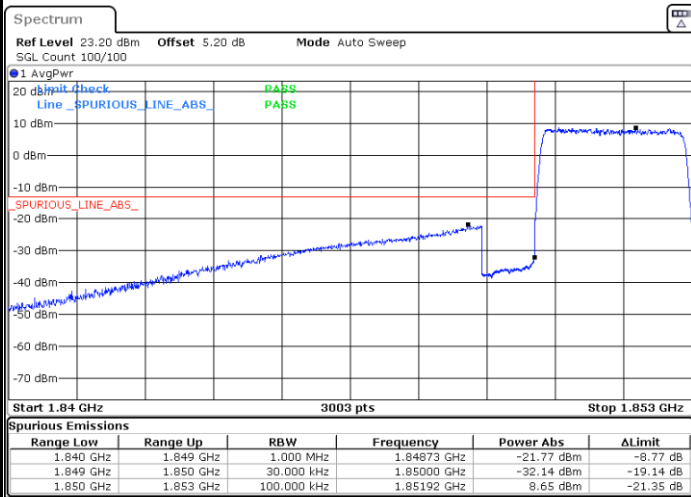
Date: 13.FEB.2023 21:29:22

Highest Band Edge / 1 RB



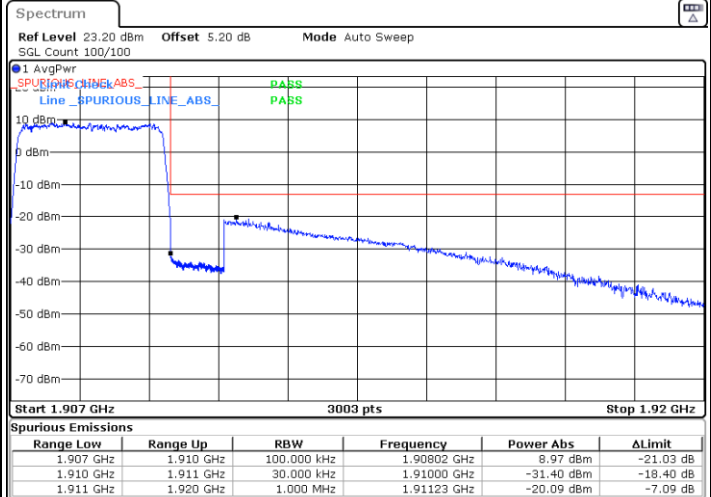
Date: 13.FEB.2023 22:06:30

Lowest Band Edge / Full RB



Date: 13.FEB.2023 21:33:58

Highest Band Edge / Full RB

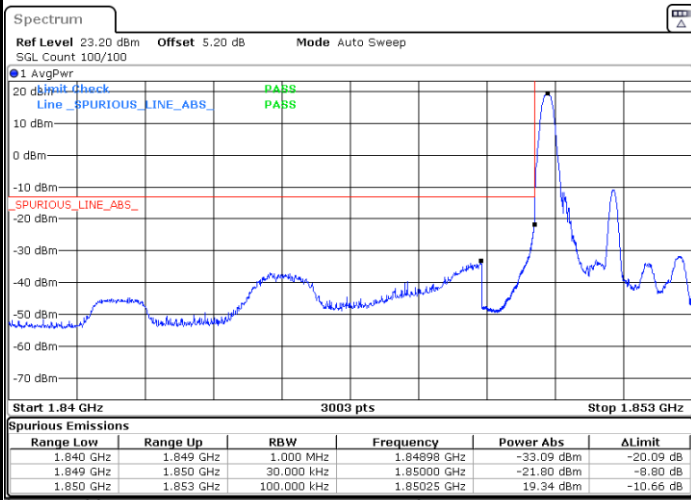


Date: 13.FEB.2023 22:17:50



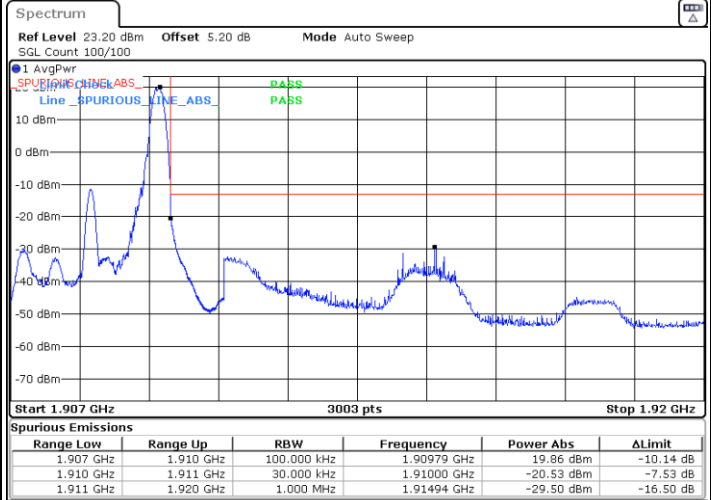
LTE Band 2 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



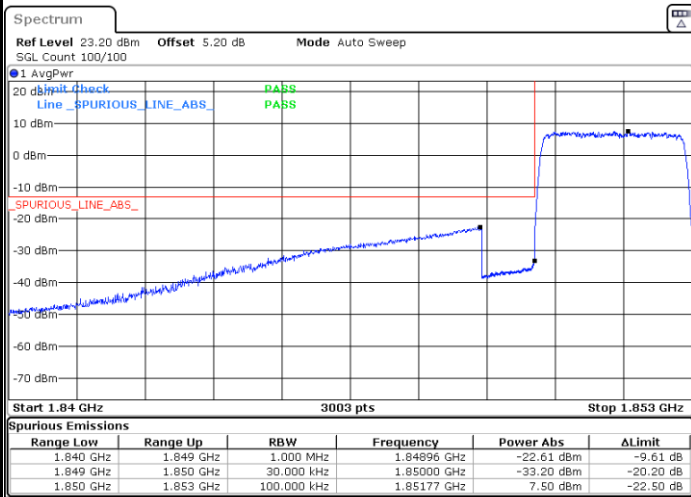
Date: 13.FEB.2023 21:31:52

Highest Band Edge / 1 RB



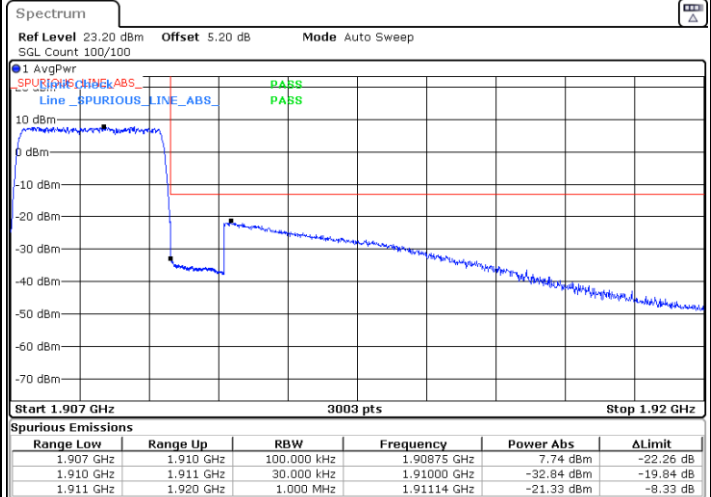
Date: 13.FEB.2023 22:09:01

Lowest Band Edge / Full RB



Date: 13.FEB.2023 21:35:45

Highest Band Edge / Full RB

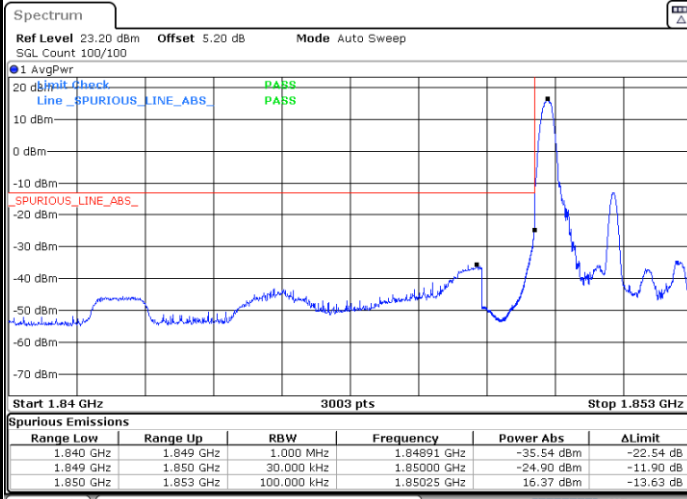


Date: 13.FEB.2023 22:20:23



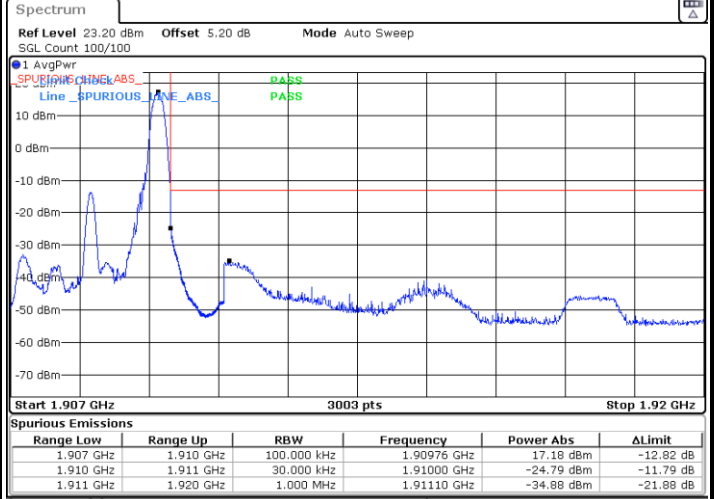
LTE Band 2 / 3MHz / 256QAM

Lowest Band Edge / 1 RB



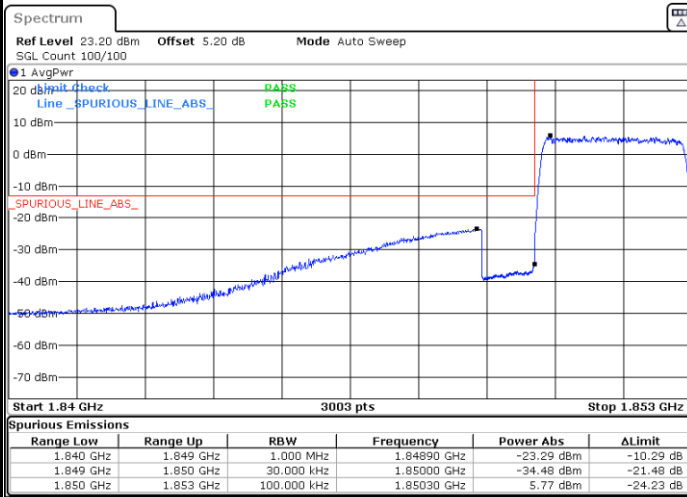
Date: 13.FEB.2023 21:31:01

Highest Band Edge / 1 RB



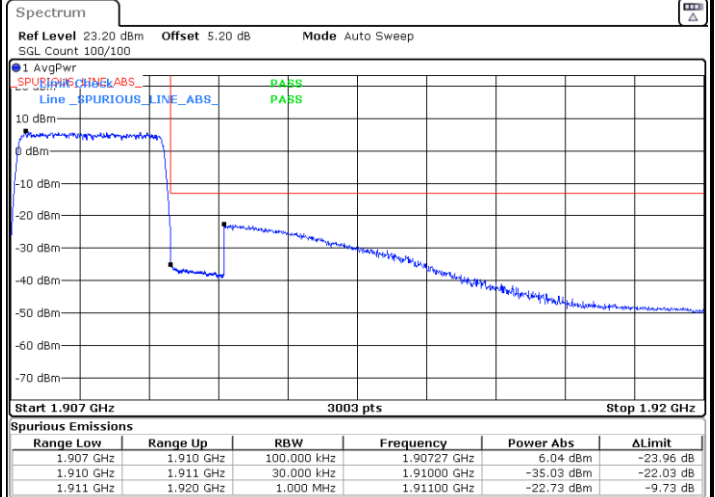
Date: 13.FEB.2023 22:08:03

Lowest Band Edge / Full RB



Date: 13.FEB.2023 21:34:51

Highest Band Edge / Full RB



Date: 13.FEB.2023 22:18:40