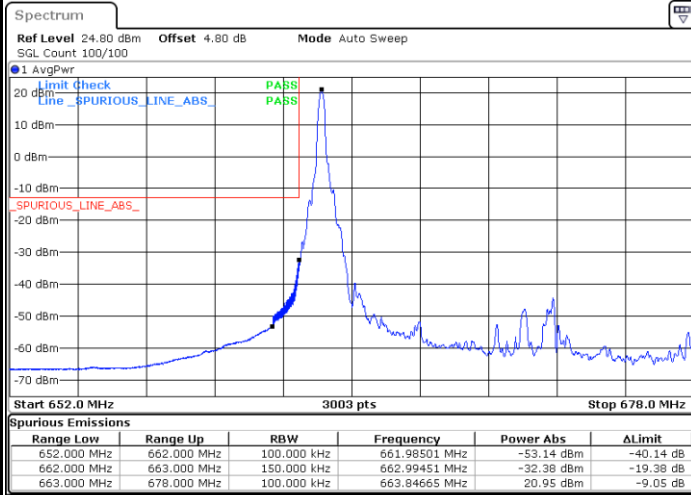


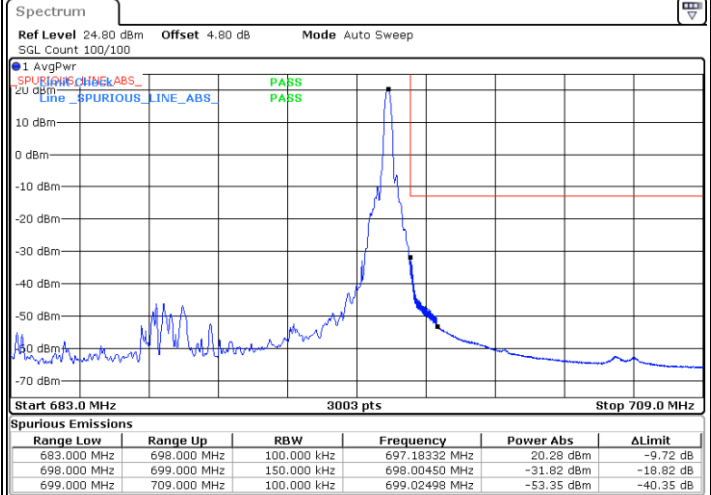


LTE Band 71 / 15MHz / 16QAM

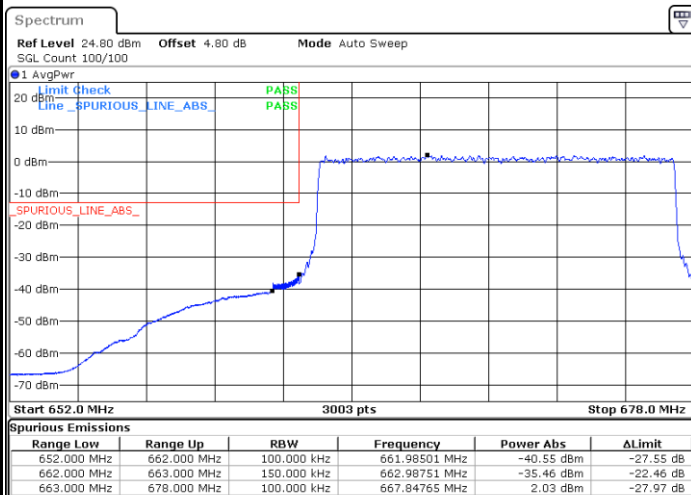
Lowest Band Edge / 1 RB



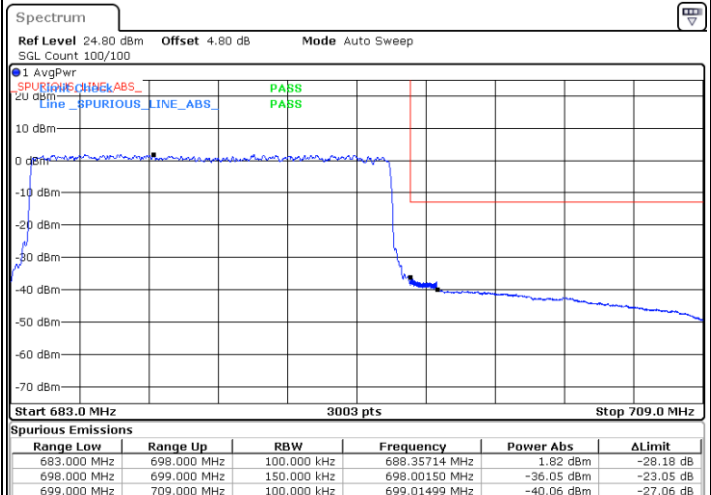
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



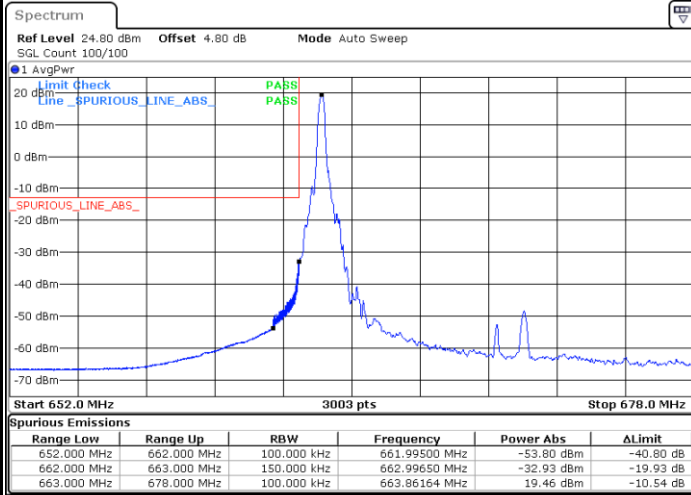
Highest Band Edge / Full RB





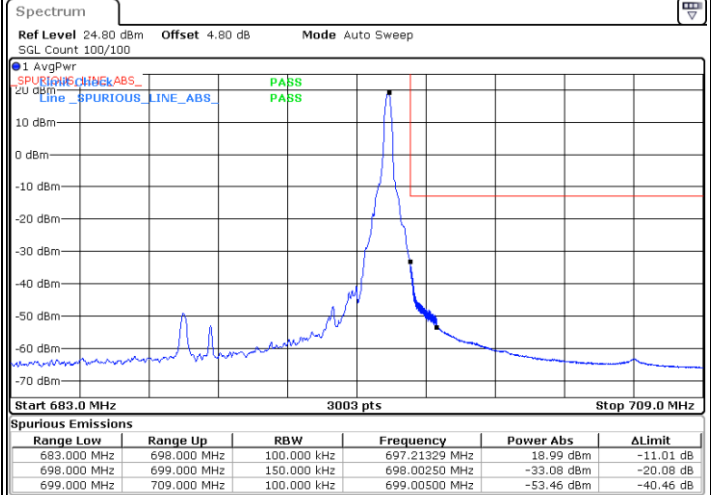
LTE Band 71 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



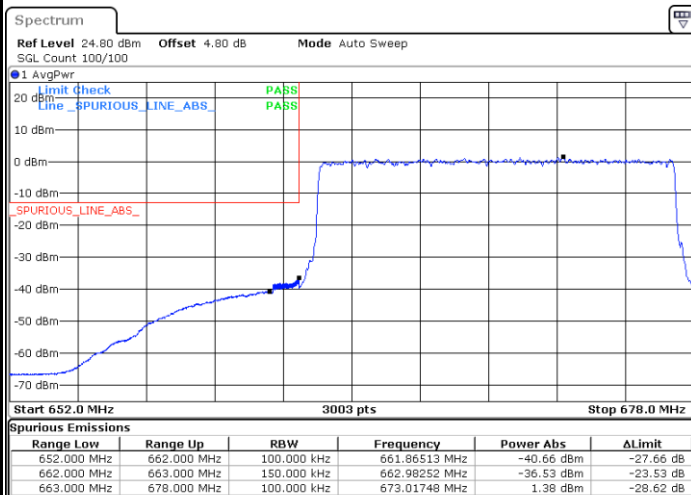
Date: 19.FEB.2023 20:08:47

Highest Band Edge / 1 RB



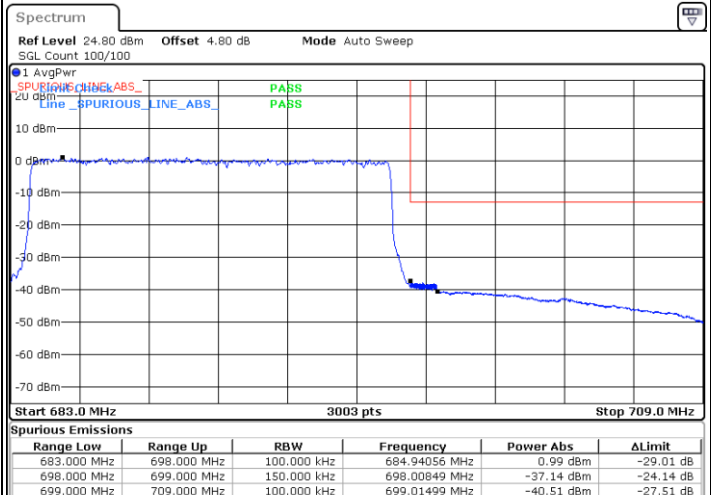
Date: 19.FEB.2023 20:18:50

Lowest Band Edge / Full RB



Date: 19.FEB.2023 20:04:03

Highest Band Edge / Full RB

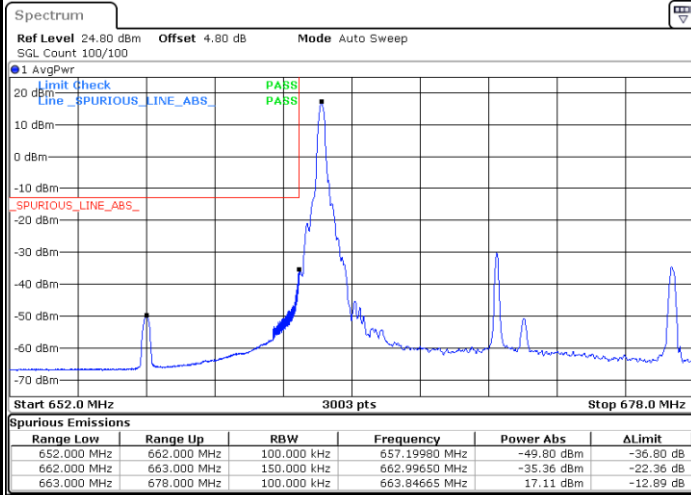


Date: 19.FEB.2023 20:23:34

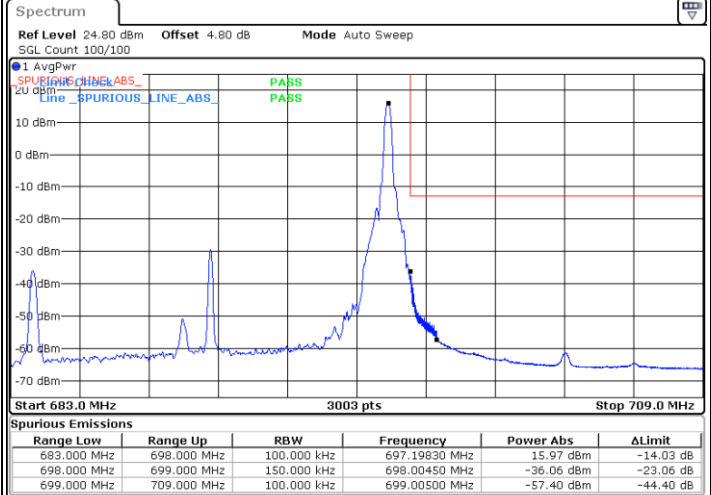


LTE Band 71 / 15MHz / 256QAM

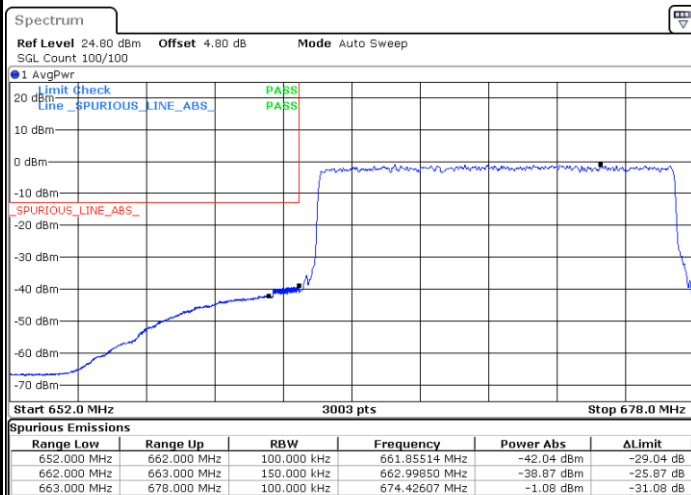
Lowest Band Edge / 1 RB



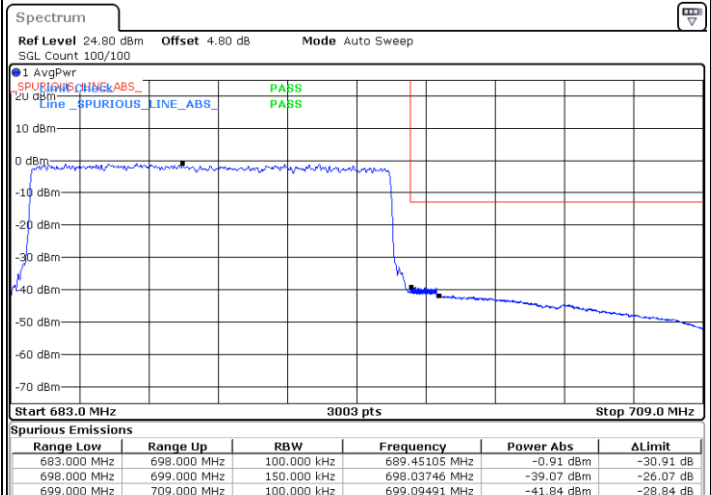
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



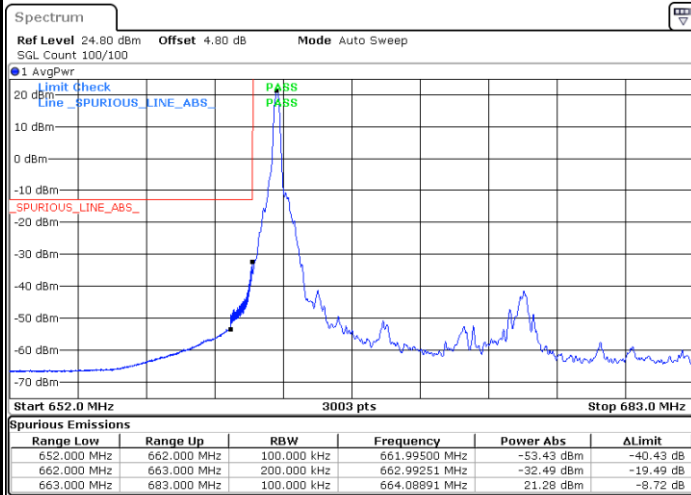
Highest Band Edge / Full RB





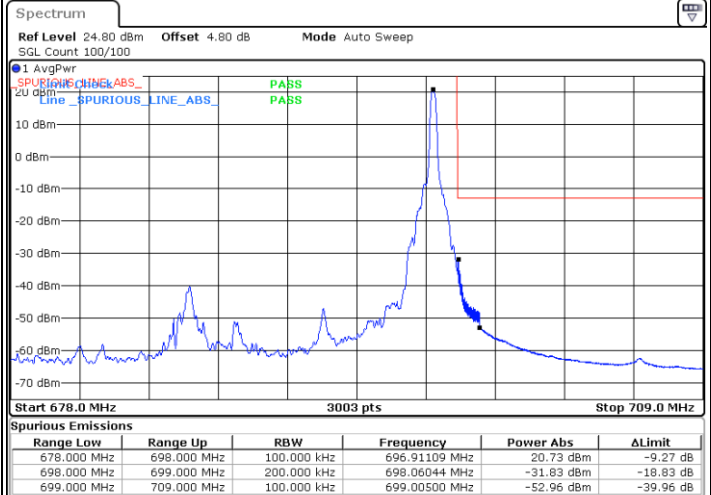
LTE Band 71 / 20MHz / QPSK

Lowest Band Edge / 1 RB



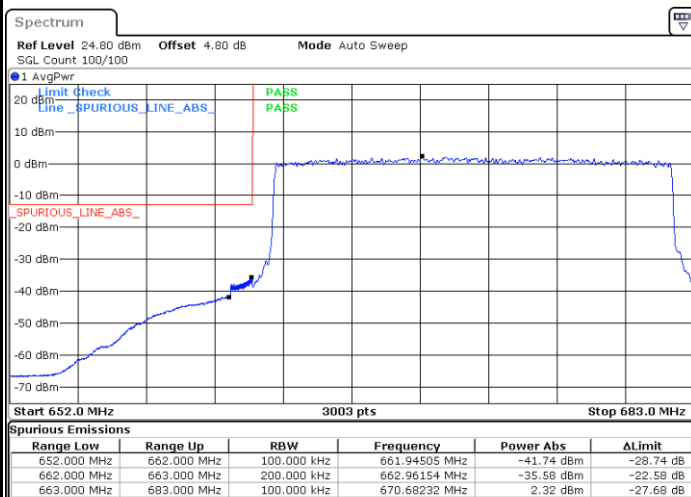
Date: 19.FEB.2023 20:30:51

Highest Band Edge / 1 RB



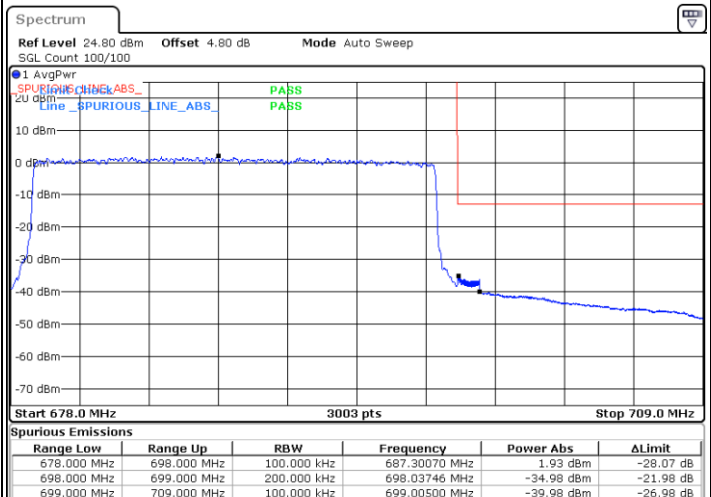
Date: 19.FEB.2023 20:40:55

Lowest Band Edge / Full RB



Date: 19.FEB.2023 20:25:58

Highest Band Edge / Full RB

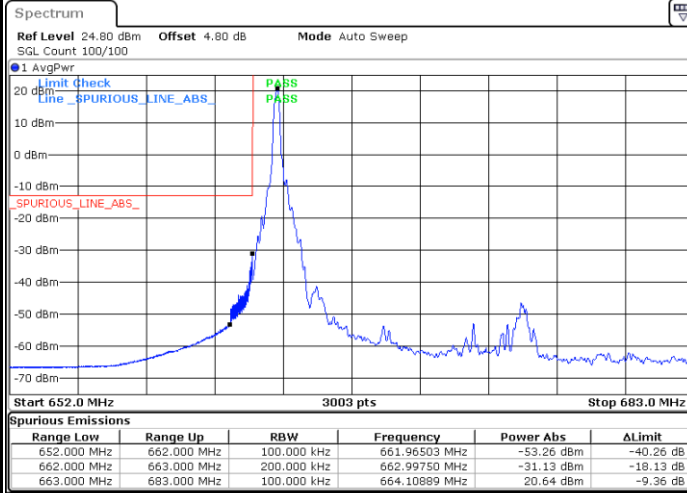


Date: 19.FEB.2023 20:45:39



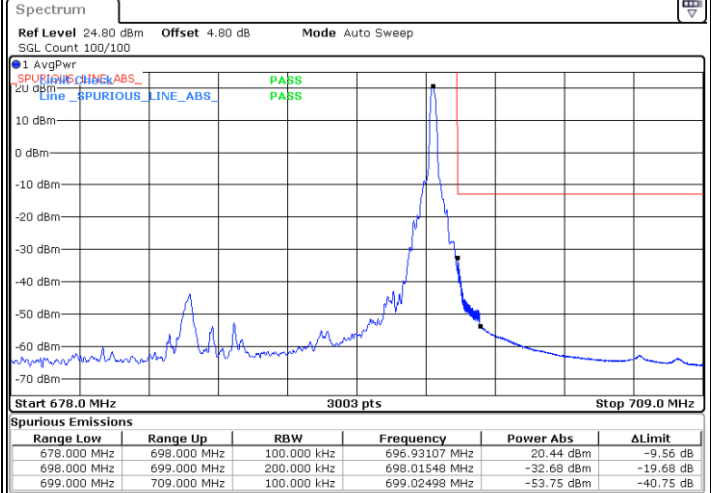
LTE Band 71 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



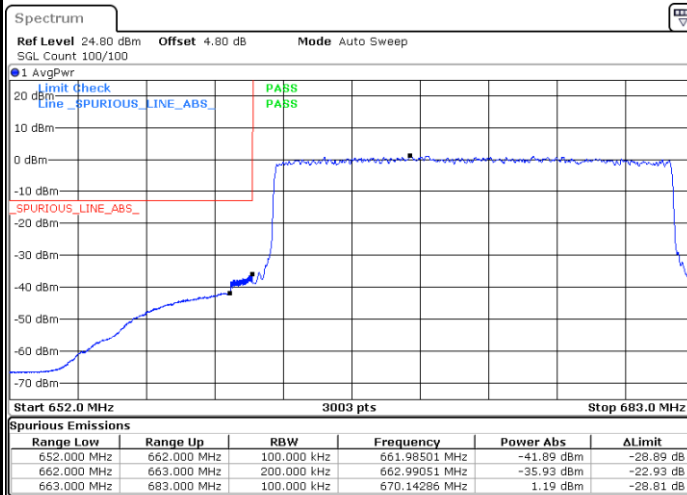
Date: 19.FEB.2023 20:32:01

Highest Band Edge / 1RB



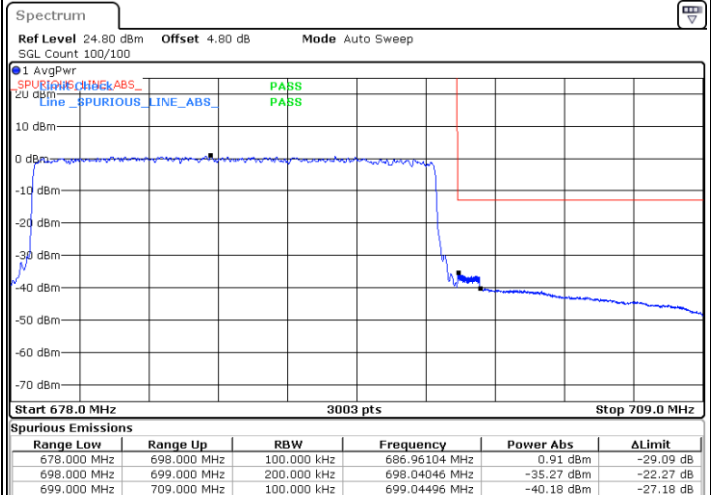
Date: 19.FEB.2023 20:42:05

Lowest Band Edge / Full RB



Date: 19.FEB.2023 20:27:08

Highest Band Edge / Full RB

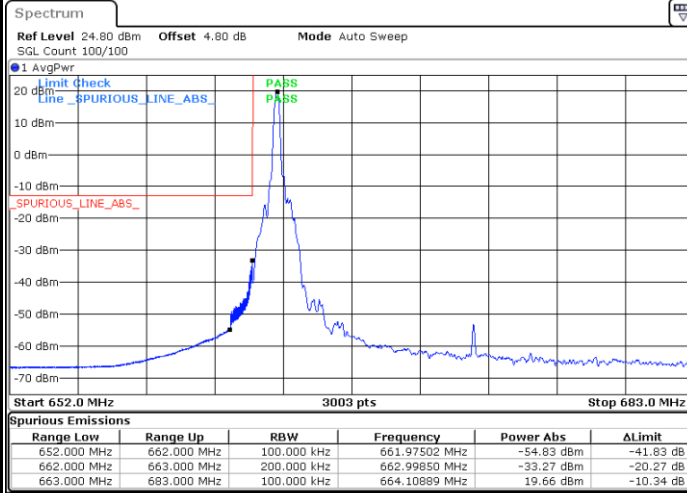


Date: 19.FEB.2023 20:46:49



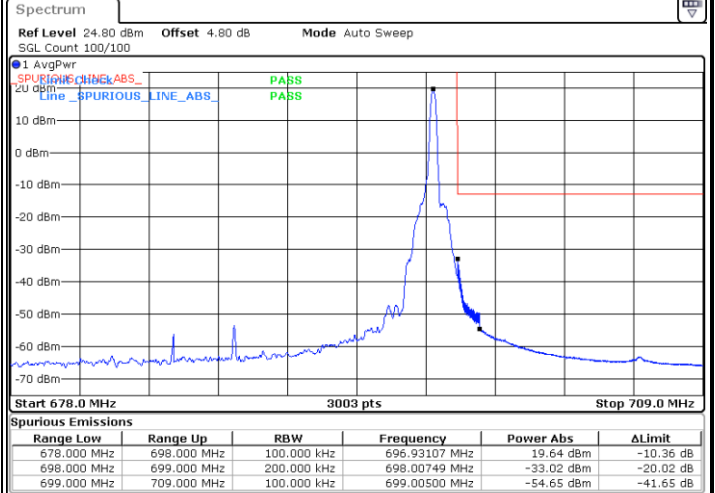
LTE Band 71 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



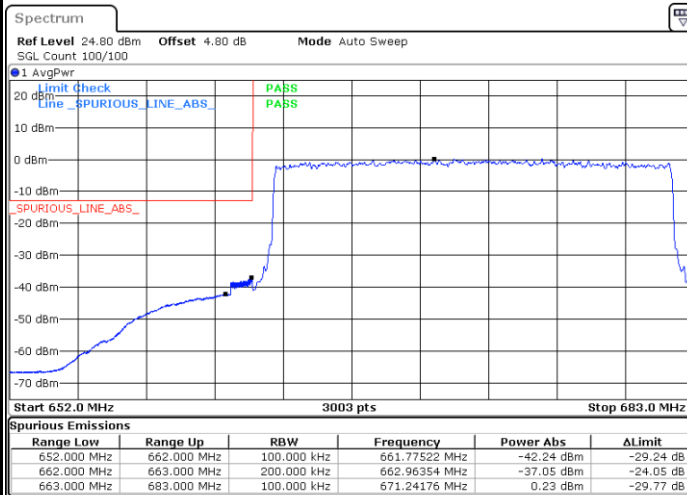
Date: 19.FEB.2023 20:33:11

Highest Band Edge / 1 RB



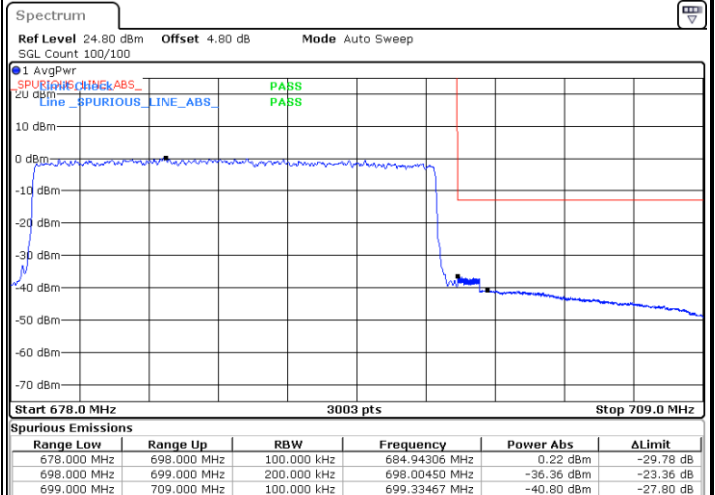
Date: 19.FEB.2023 20:43:15

Lowest Band Edge / Full RB



Date: 19.FEB.2023 20:28:18

Highest Band Edge / Full RB



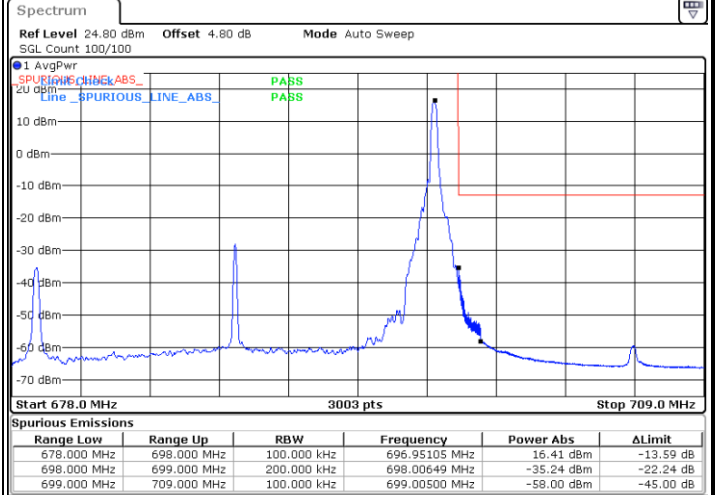
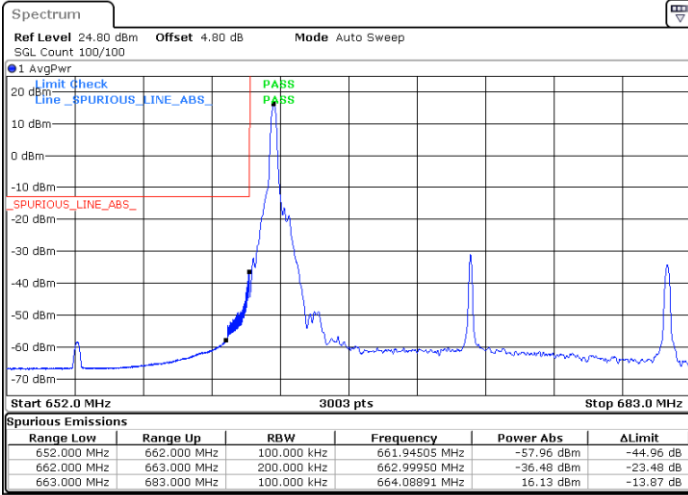
Date: 19.FEB.2023 20:47:59



LTE Band 71 / 20MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

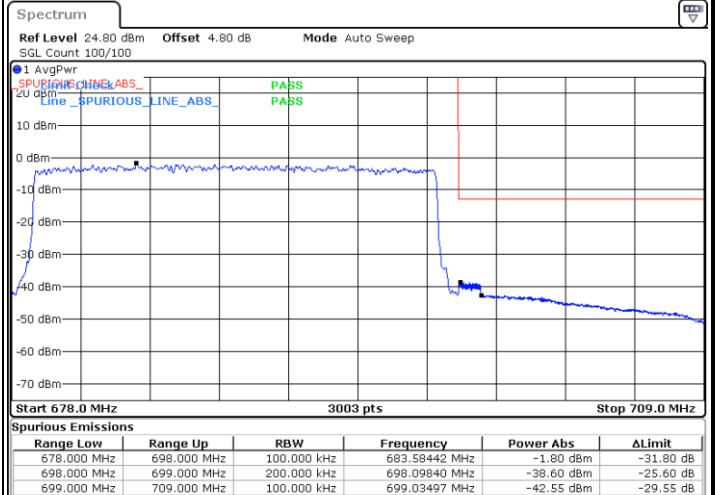
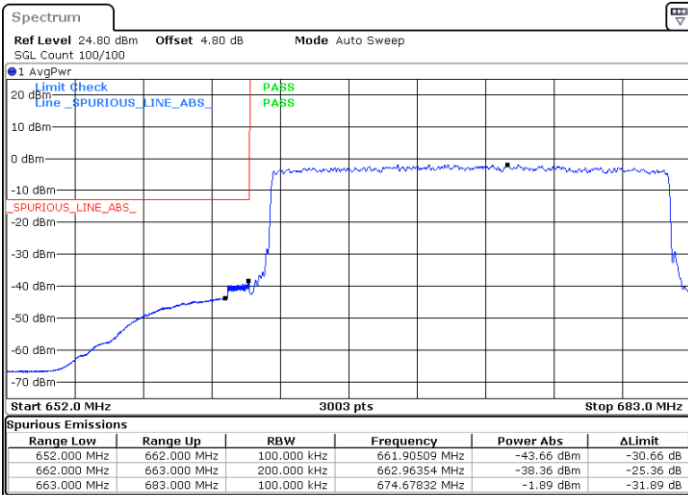


Date: 19.FEB.2023 20:34:22

Date: 19.FEB.2023 20:44:25

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.FEB.2023 20:29:28

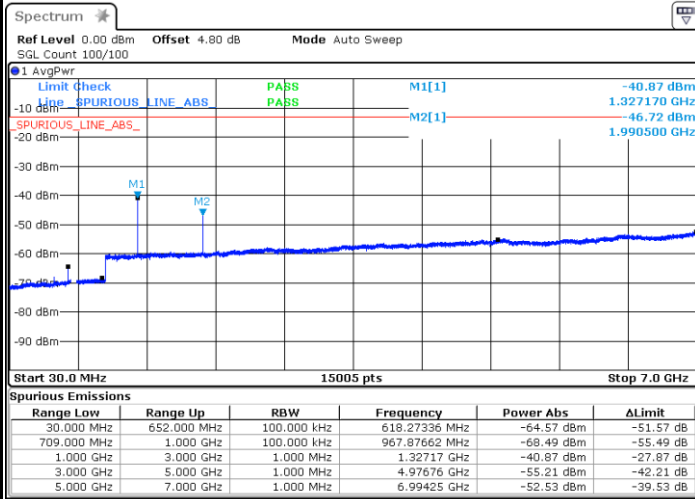
Date: 19.FEB.2023 20:49:09



# Conducted Spurious Emission

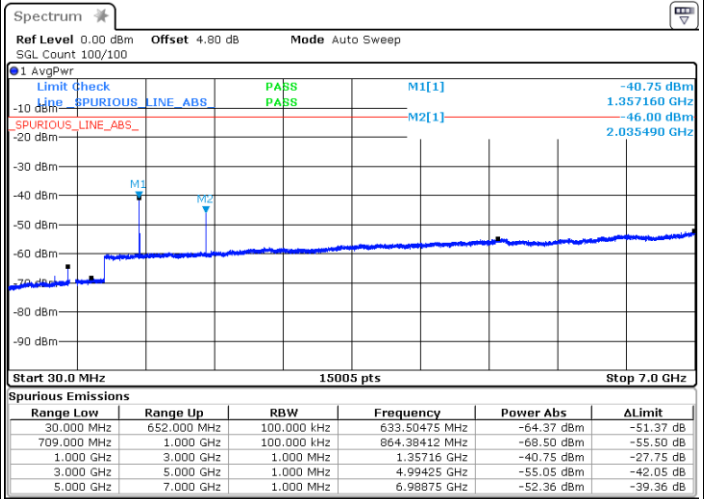
## LTE Band 71 / 5MHz

### Lowest Channel / QPSK



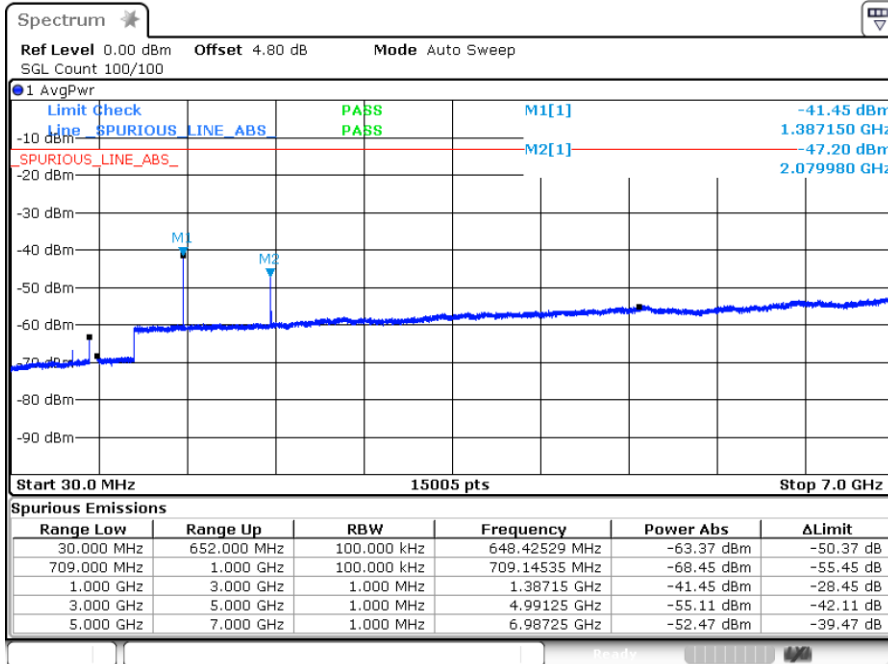
Date: 21.APR.2023 15:39:06

### Middle Channel / QPSK



Date: 21.APR.2023 15:40:32

### Highest Channel / QPSK



Date: 21.APR.2023 15:42:00

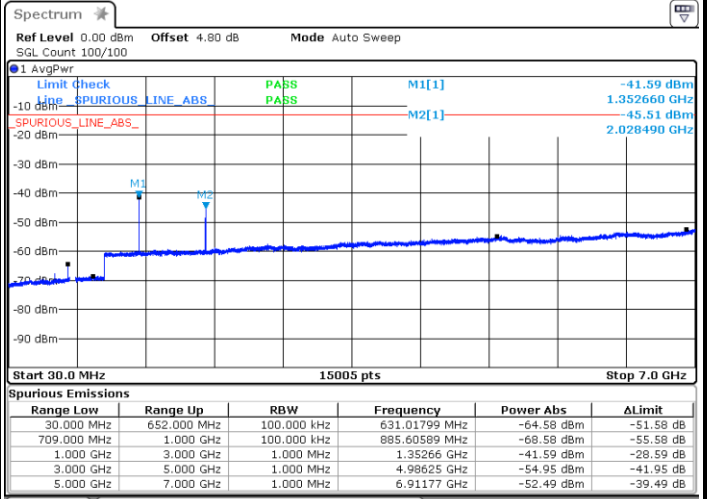
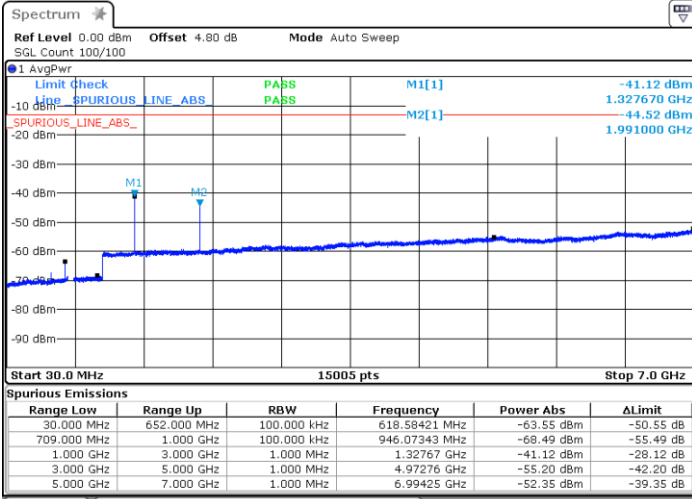




LTE Band 71 / 10MHz

Lowest Channel / QPSK

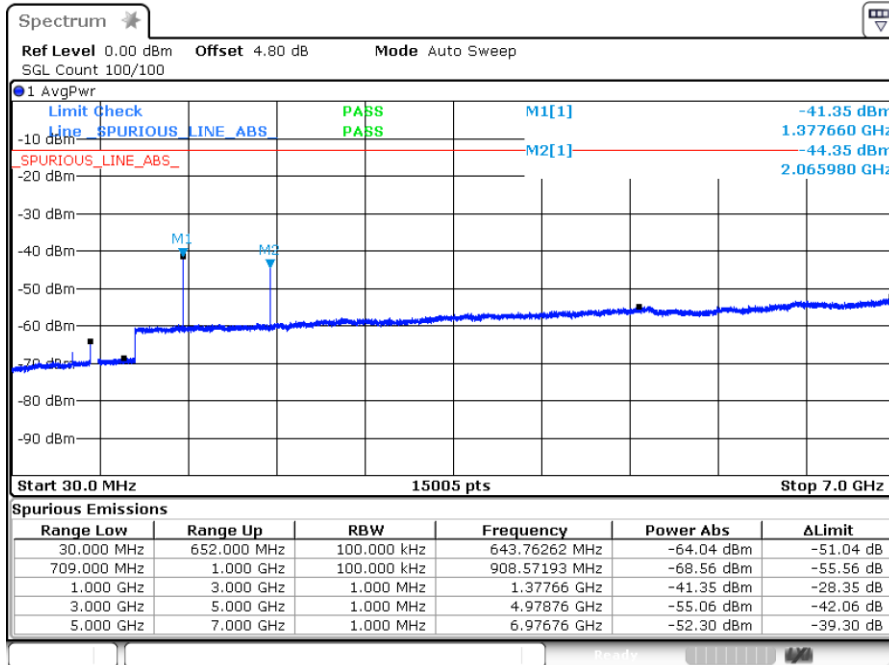
Middle Channel / QPSK



Date: 21.APR.2023 15:43:45

Date: 21.APR.2023 15:45:09

Highest Channel / QPSK



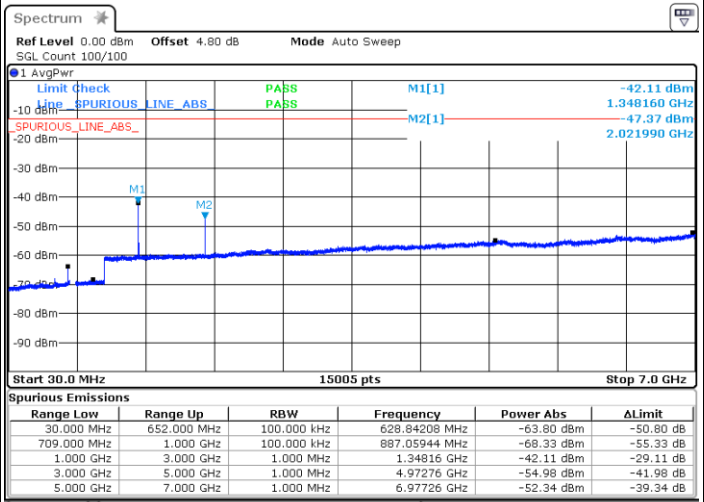
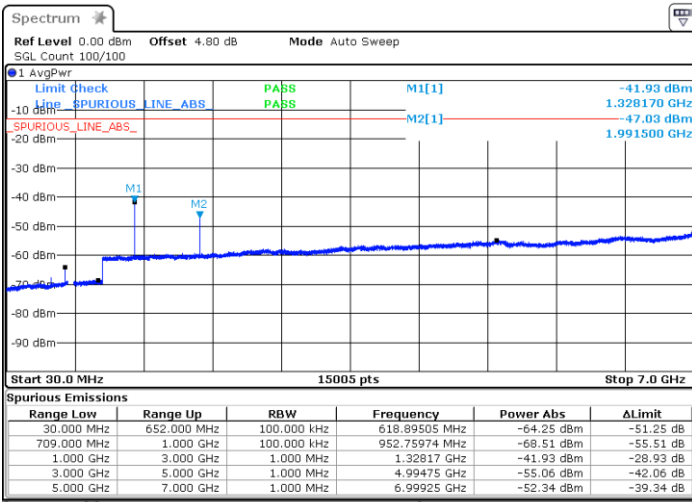
Date: 21.APR.2023 15:46:36



LTE Band 71 / 15MHz

Lowest Channel / QPSK

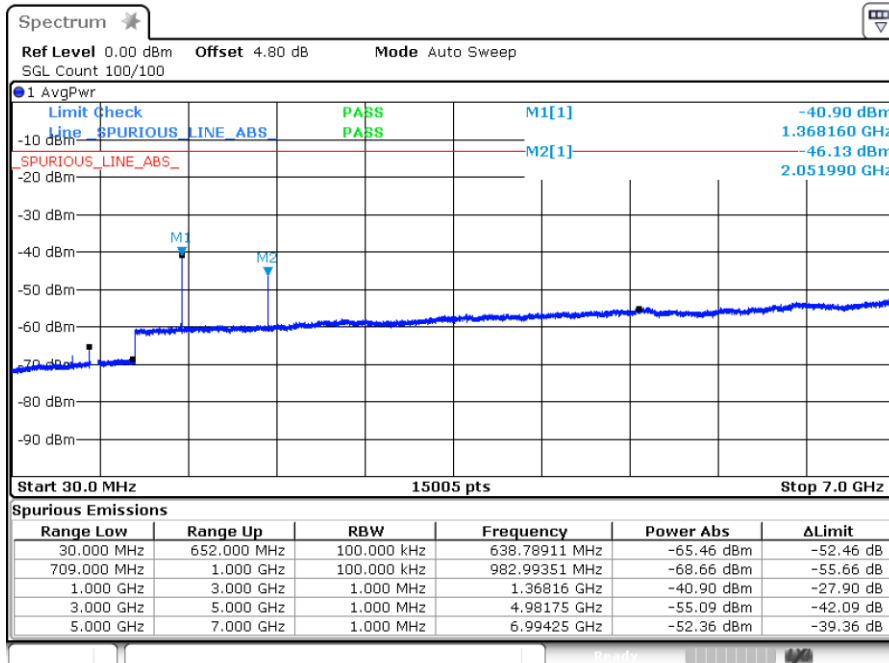
Middle Channel / QPSK



Date: 21.APR.2023 15:48:23

Date: 21.APR.2023 15:49:51

Highest Channel / QPSK



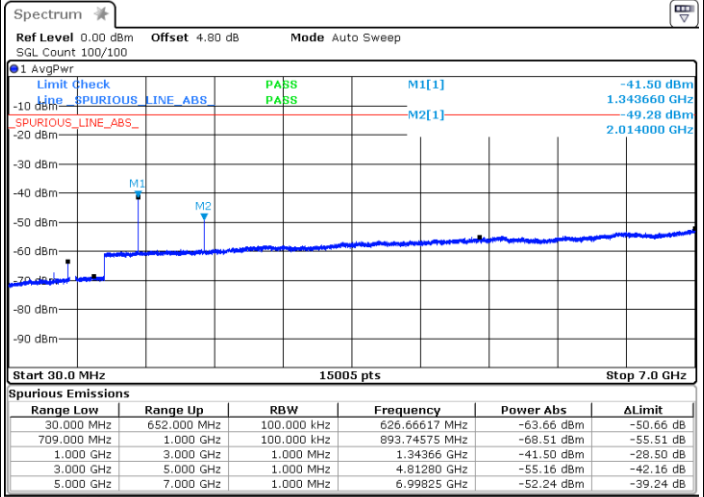
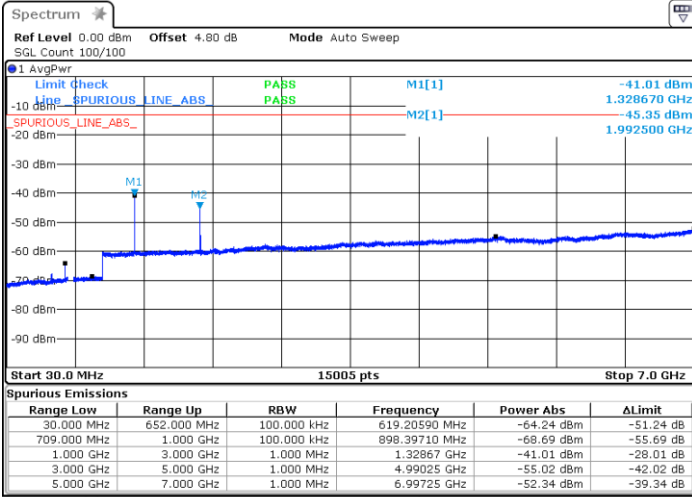
Date: 21.APR.2023 15:51:21



LTE Band 71 / 20MHz

Lowest Channel / QPSK

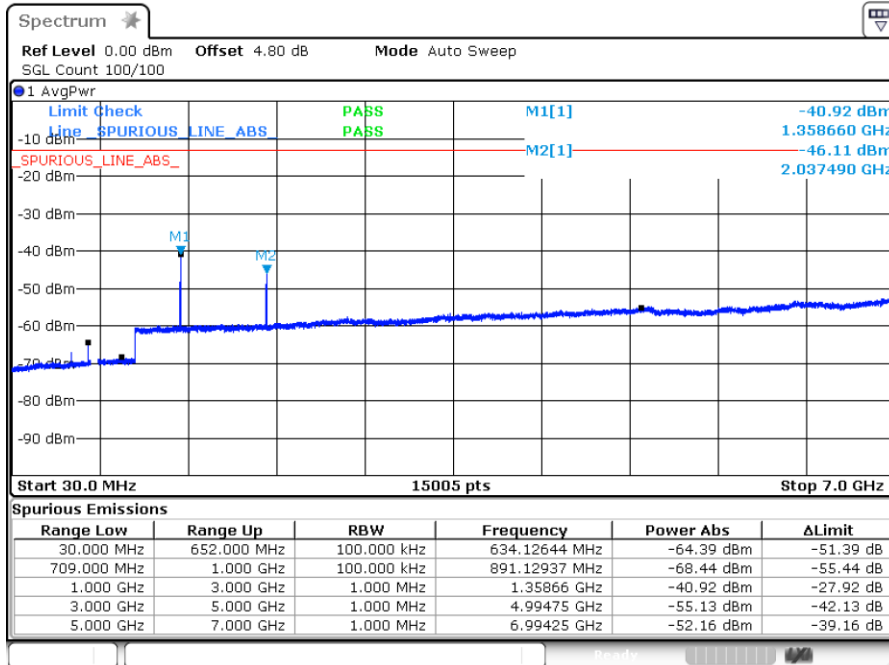
Middle Channel / QPSK



Date: 21.APR.2023 15:52:53

Date: 21.APR.2023 15:54:19

Highest Channel / QPSK



Date: 21.APR.2023 15:55:44



Frequency Stability

Test Conditions		LTE Band 71 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0026	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0025	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0032	
-10	Normal Voltage	0.0041	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0021	
20	Battery End Point	0.0009	

Note:

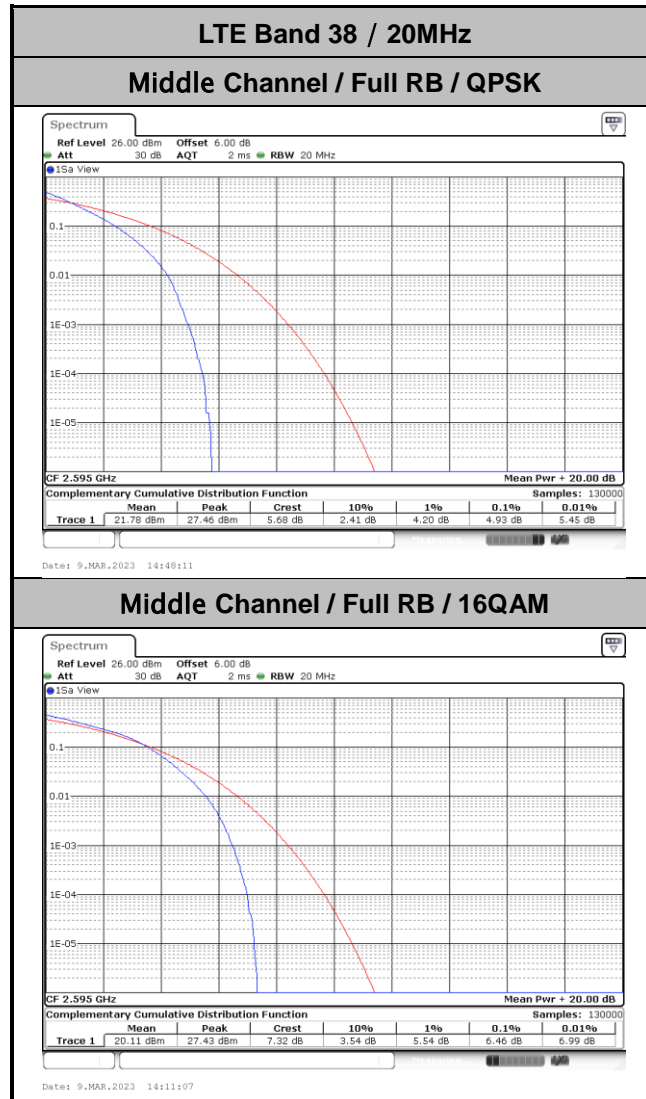
1. Normal Voltage =3.85V. ; Battery End Point (BEP) =3.45 V. ; Maximum Voltage =4.41 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

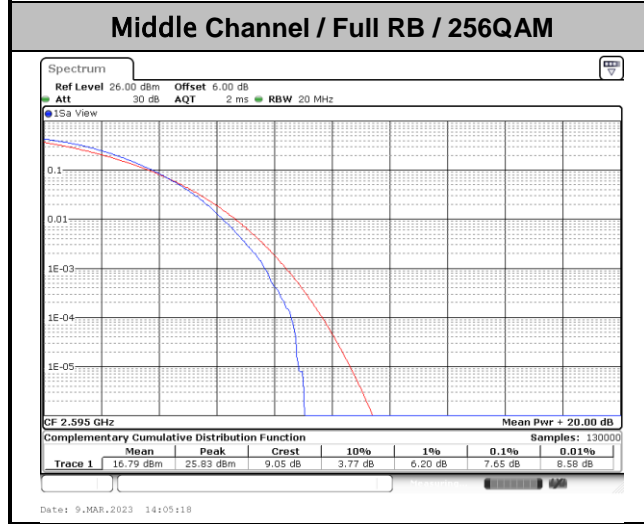
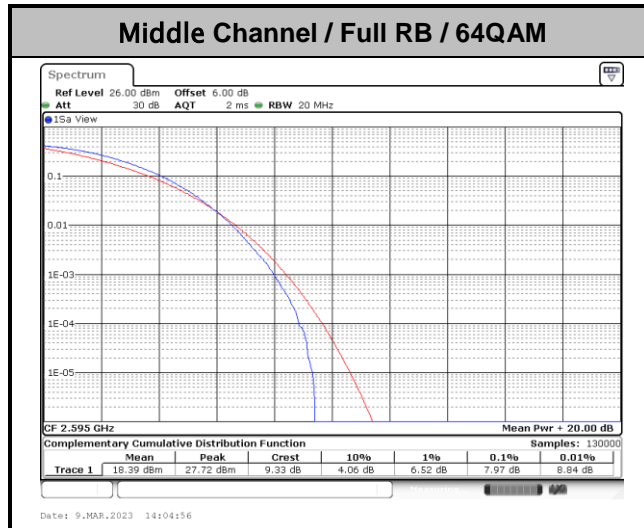


# LTE Band 38\_for other PA

## Peak-to-Average Ratio

Mode	LTE Band 38 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.93	6.46	7.97	7.65	PASS

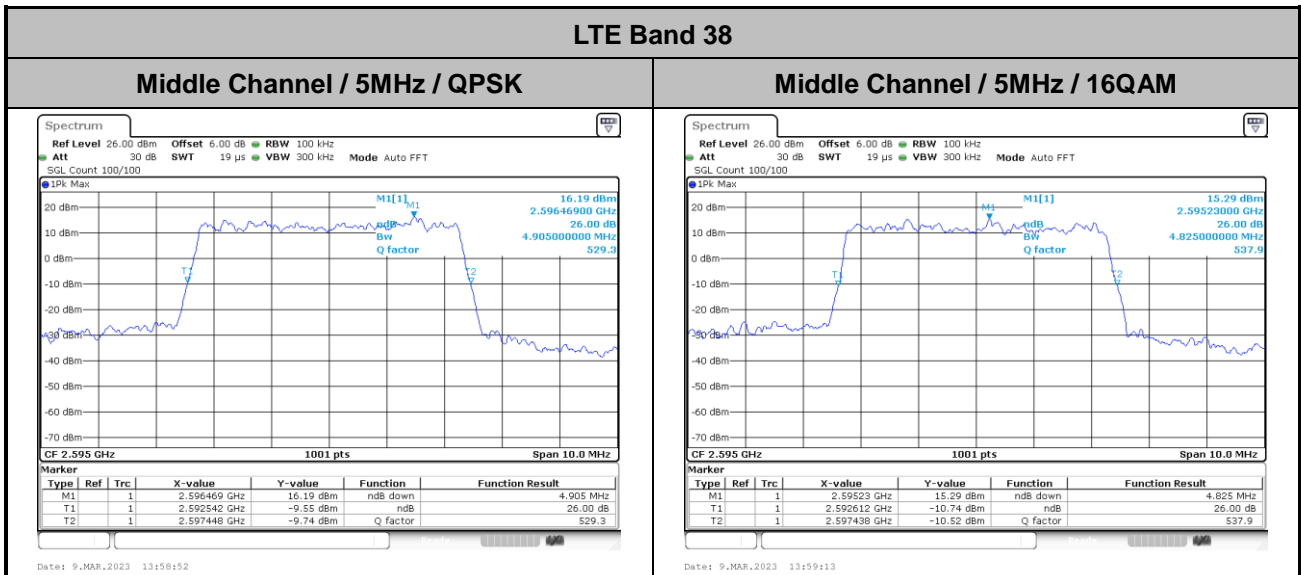






## 26dB Bandwidth

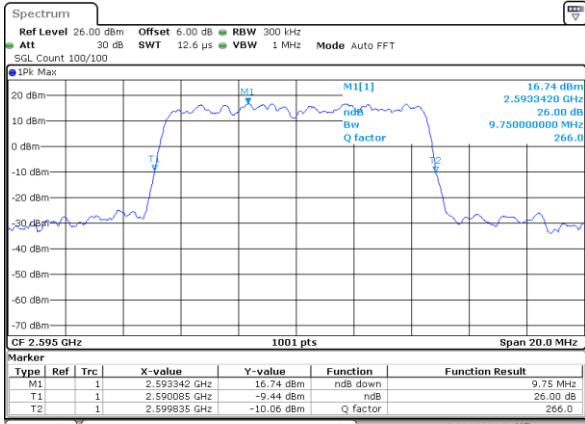
Mode	LTE Band 38 : 26dB BW(MHz)	
<b>BW</b>	<b>5MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	4.91	4.83
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	9.75	9.83
<b>BW</b>	<b>15MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	14.42	14.45
<b>BW</b>	<b>20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	19.50	19.34





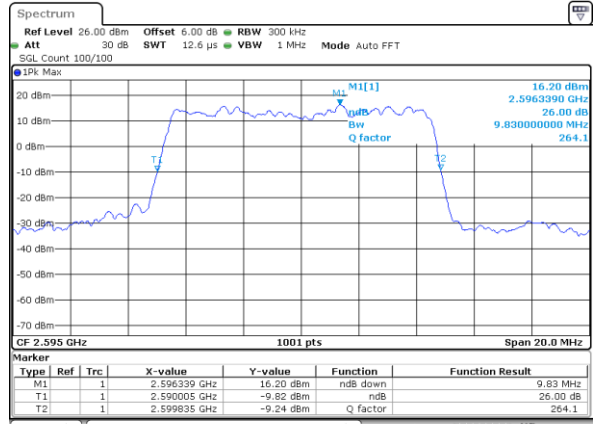
LTE Band 38

Middle Channel / 10MHz / QPSK



Date: 9\_MAR.2023 14:00:17

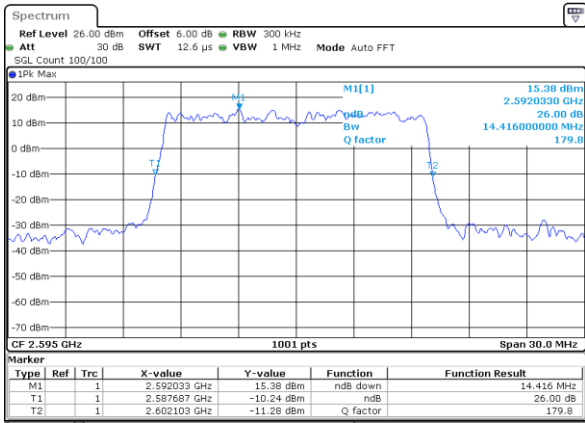
Middle Channel / 10MHz / 16QAM



Date: 9\_MAR.2023 14:00:16

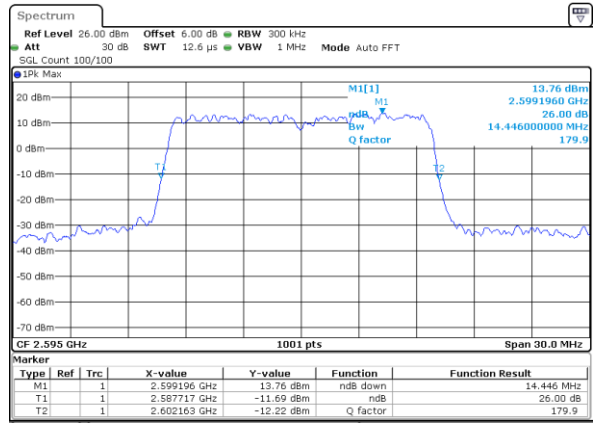
LTE Band 38

Middle Channel / 15MHz / QPSK



Date: 9\_MAR.2023 14:01:41

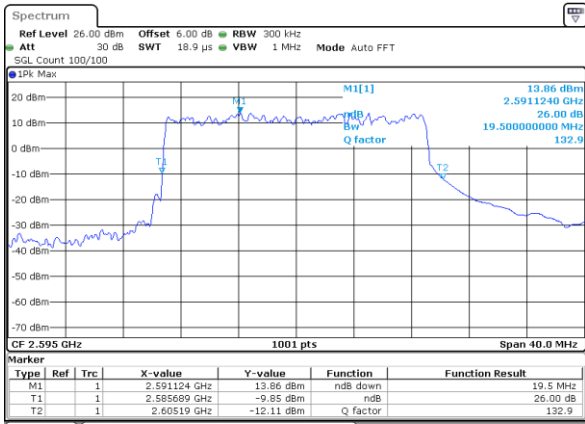
Middle Channel / 15MHz / 16QAM



Date: 9\_MAR.2023 14:02:02

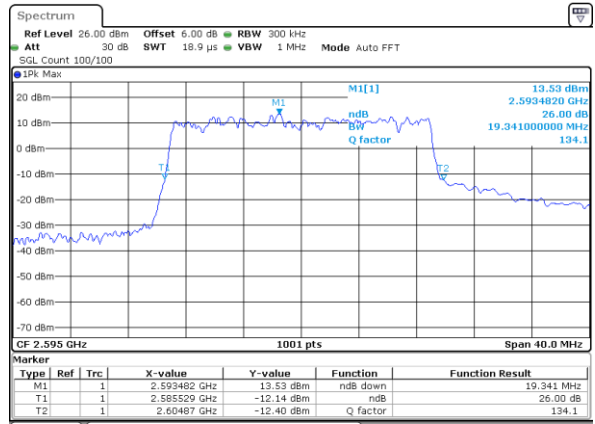
LTE Band 38

Middle Channel / 20MHz / QPSK



Date: 9\_MAR.2023 14:03:27

Middle Channel / 20MHz / 16QAM



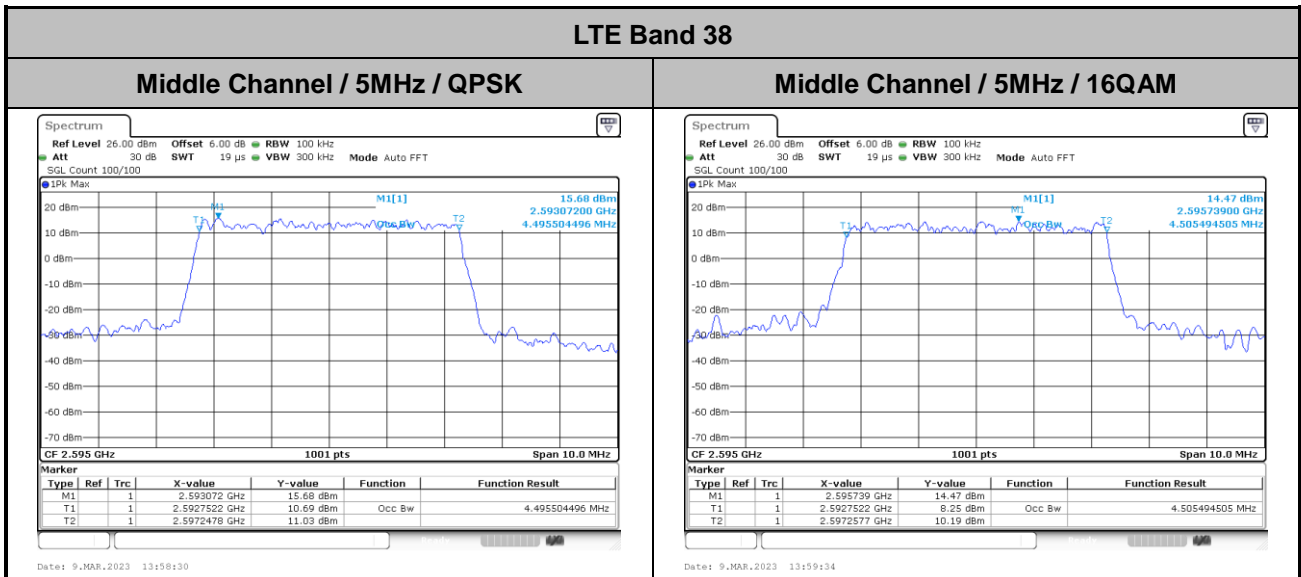
Date: 9\_MAR.2023 14:03:06





## Occupied Bandwidth

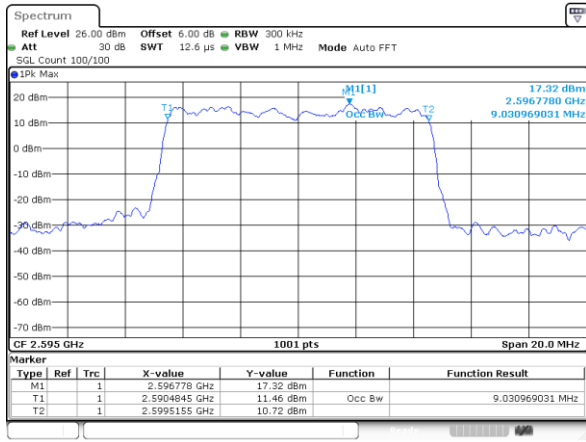
Mode	LTE Band 38 : 99%OBW(MHz)	
<b>BW</b>	<b>5MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	4.50	4.51
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	9.03	9.03
<b>BW</b>	<b>15MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	13.46	13.40
<b>BW</b>	<b>20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	17.90	17.86





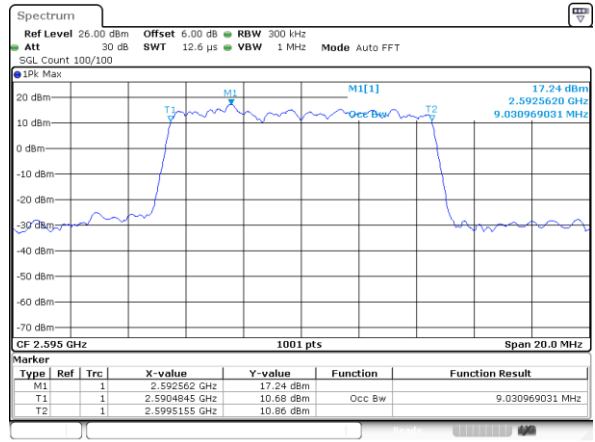
LTE Band 38

Middle Channel / 10MHz / QPSK



Date: 9\_MAR.2023 14:00:59

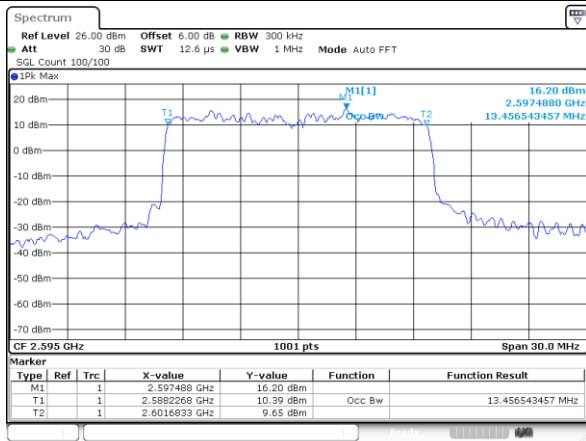
Middle Channel / 10MHz / 16QAM



Date: 9\_MAR.2023 13:59:55

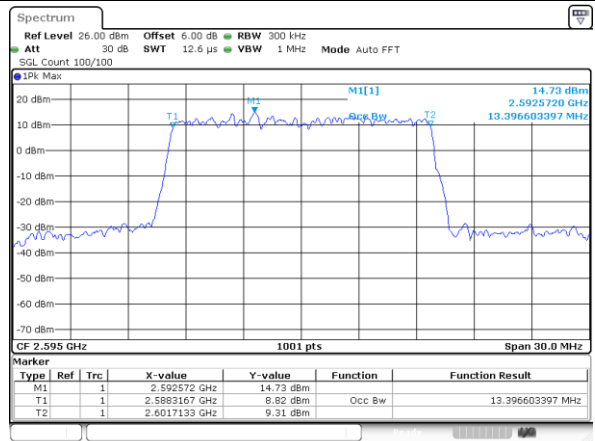
LTE Band 38

Middle Channel / 15MHz / QPSK



Date: 9\_MAR.2023 14:01:20

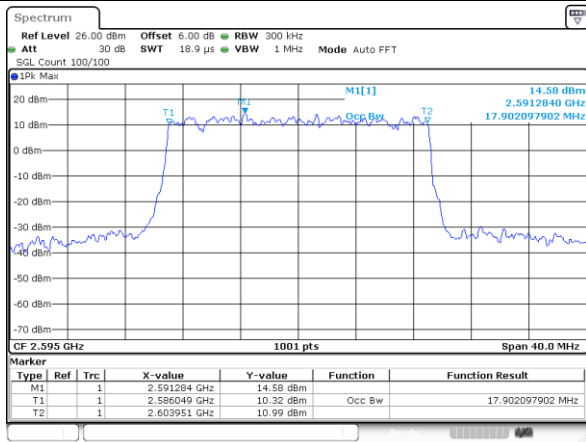
Middle Channel / 15MHz / 16QAM



Date: 9\_MAR.2023 14:02:23

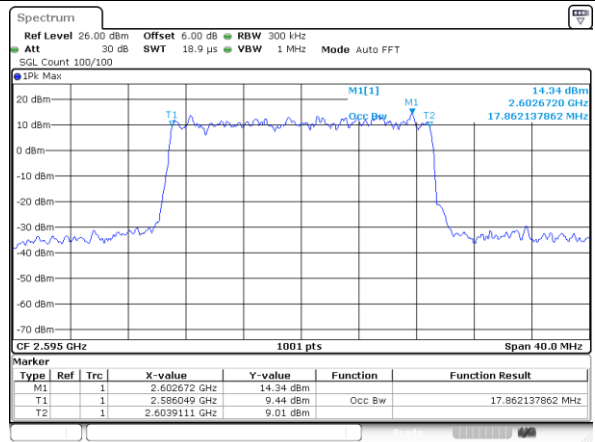
LTE Band 38

Middle Channel / 20MHz / QPSK



Date: 9\_MAR.2023 14:03:48

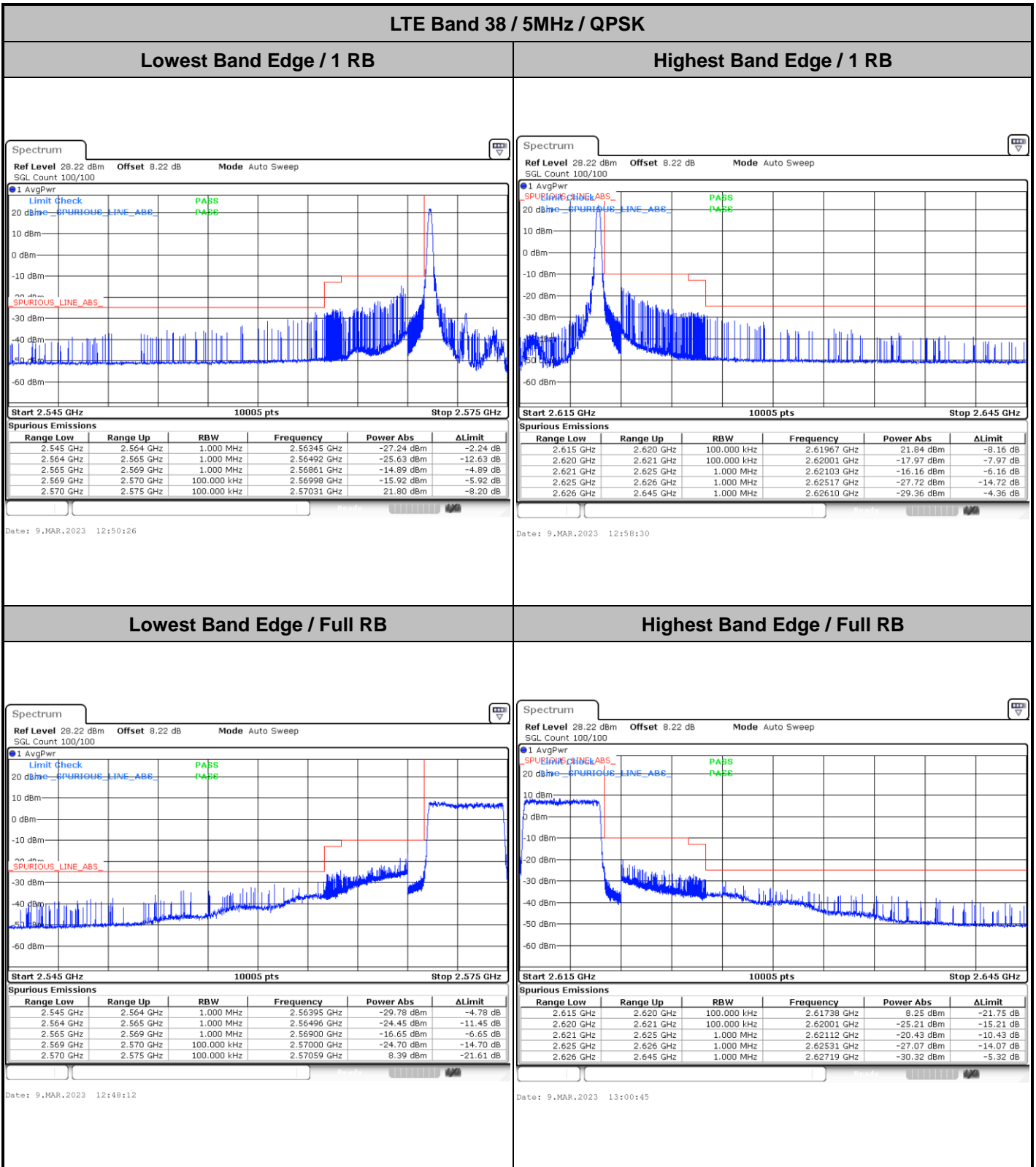
Middle Channel / 20MHz / 16QAM



Date: 9\_MAR.2023 14:02:45



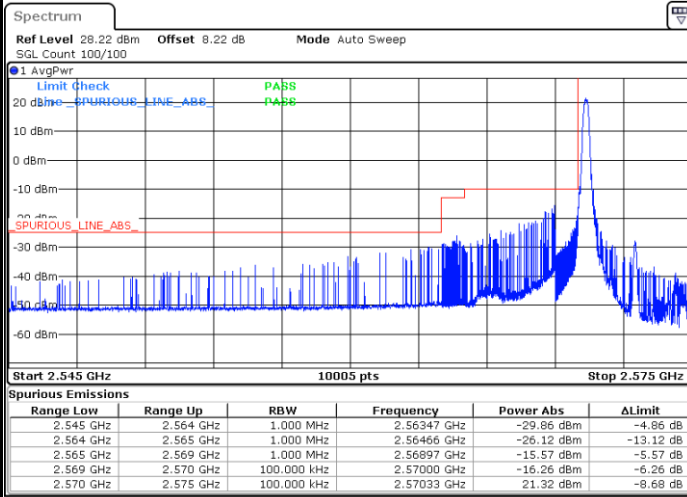
# Conducted Band Edge





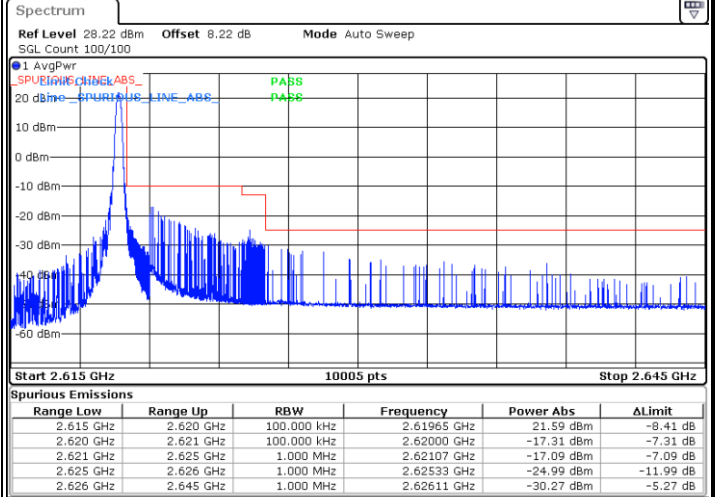
LTE Band 38 / 5MHz / 16QAM

Lowest Band Edge / 1RB



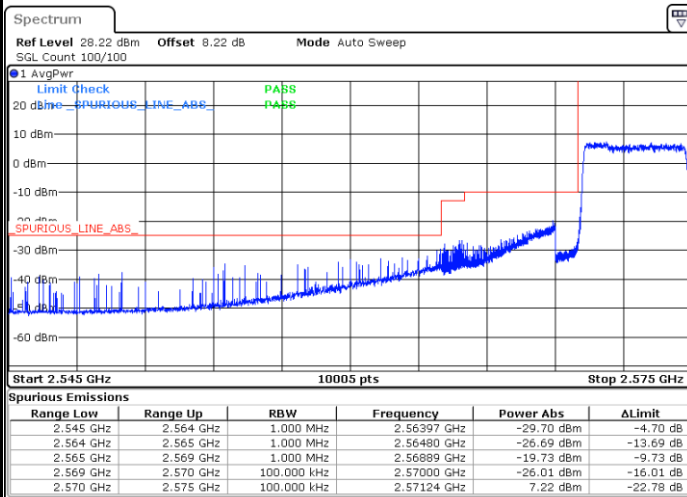
Date: 9.MAR.2023 12:51:11

Highest Band Edge / 1 RB



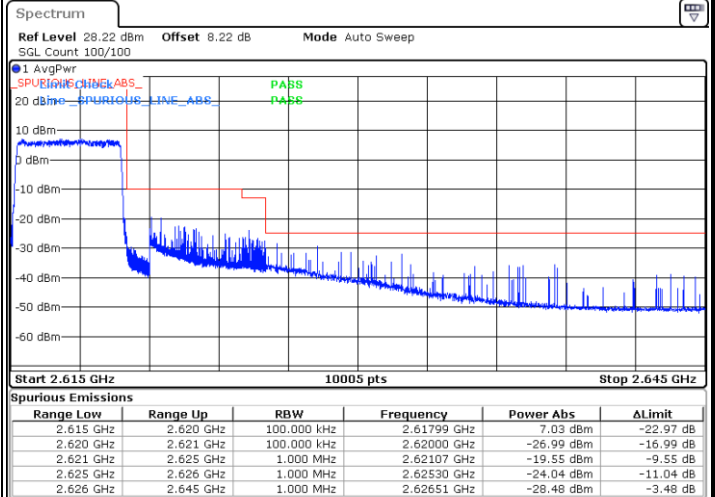
Date: 9.MAR.2023 12:59:15

Lowest Band Edge / Full RB



Date: 9.MAR.2023 12:48:57

Highest Band Edge / Full RB

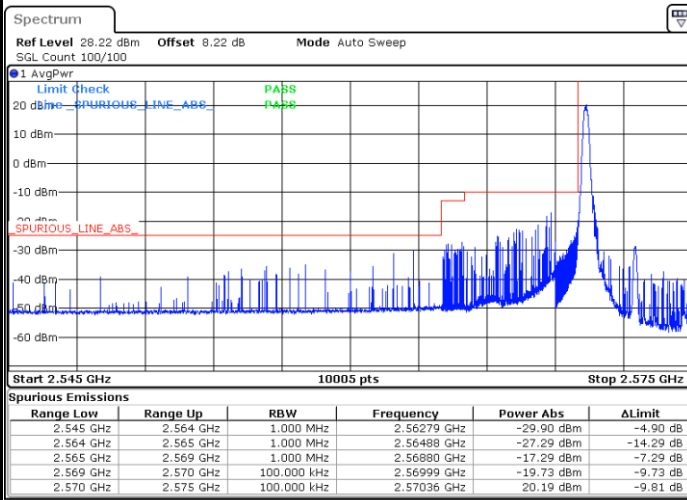


Date: 9.MAR.2023 13:01:29



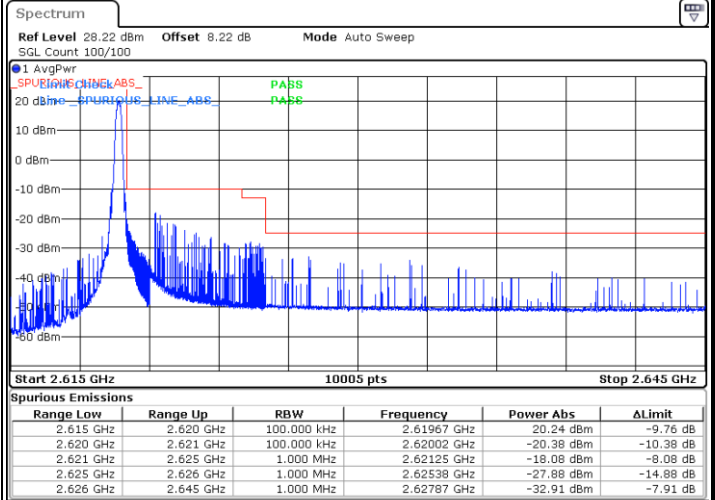
LTE Band 38 / 5MHz / 64QAM

Lowest Band Edge / 1RB



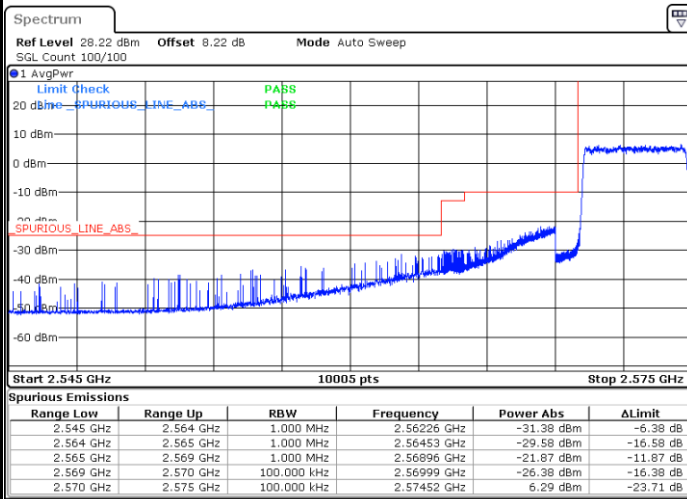
Date: 9.MAR.2023 12:51:55

Highest Band Edge / 1 RB



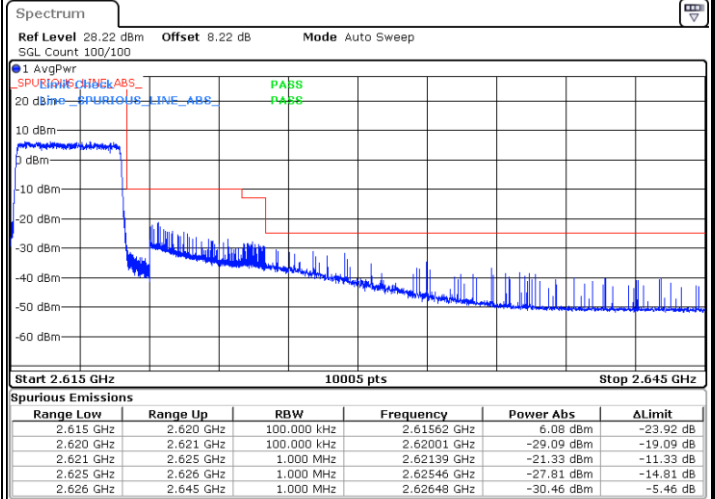
Date: 9.MAR.2023 13:00:00

Lowest Band Edge / Full RB



Date: 9.MAR.2023 12:49:41

Highest Band Edge / Full RB

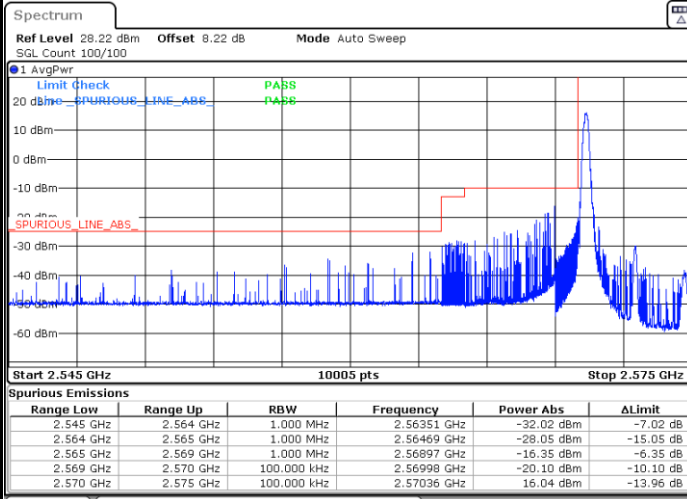


Date: 9.MAR.2023 13:02:14



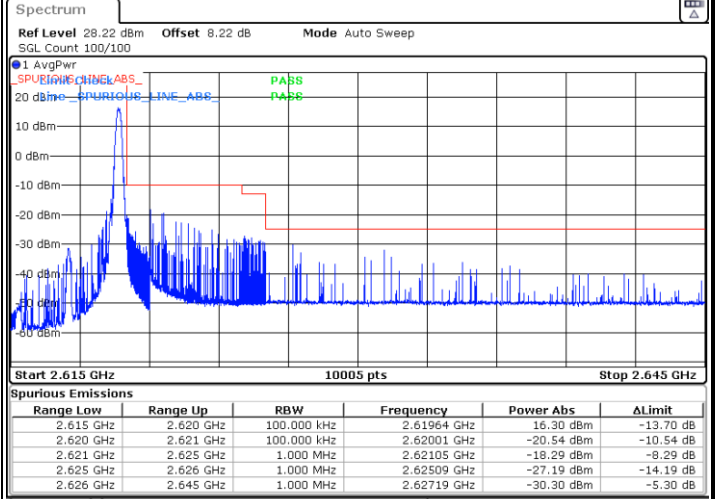
LTE Band 38 / 5MHz / 256QAM

Lowest Band Edge / 1RB



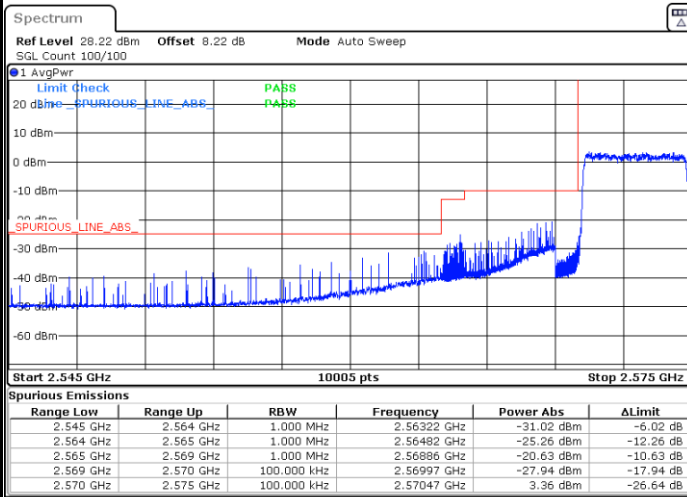
Date: 9.MAR.2023 04:33:06

Highest Band Edge / 1 RB



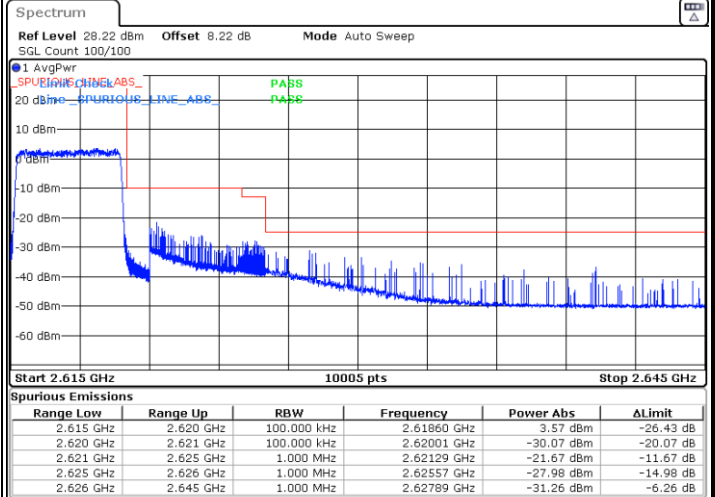
Date: 9.MAR.2023 04:37:47

Lowest Band Edge / Full RB



Date: 9.MAR.2023 04:35:04

Highest Band Edge / Full RB



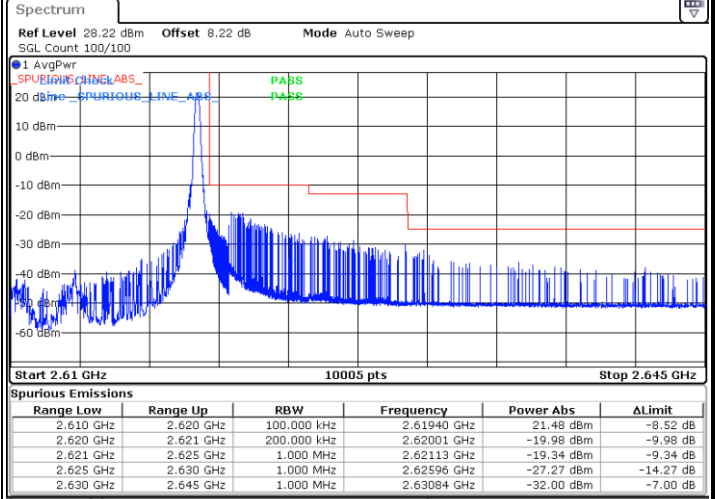
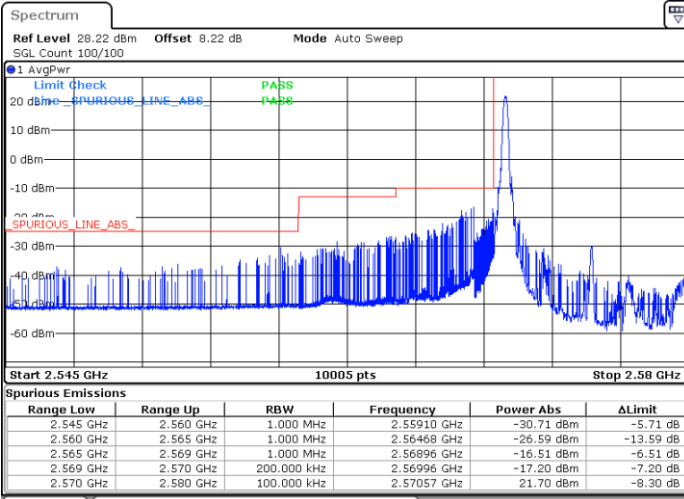
Date: 9.MAR.2023 04:37:10



LTE Band 38 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

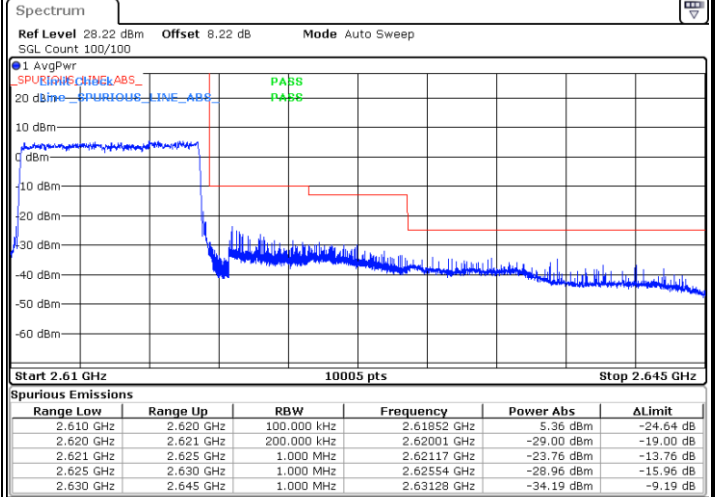
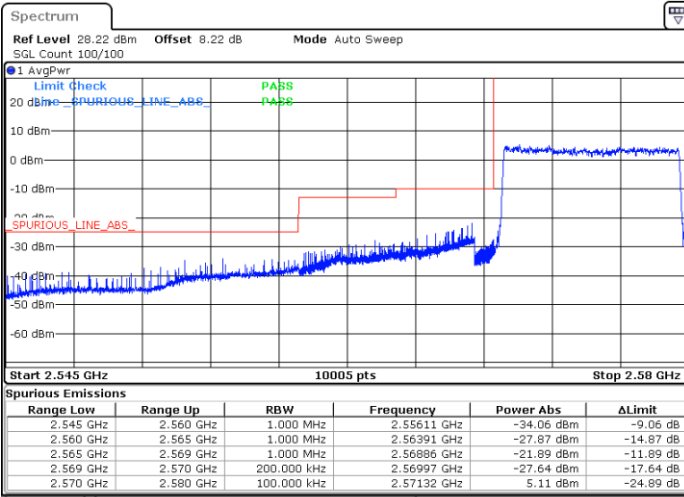


Date: 9.MAR.2023 13:05:14

Date: 9.MAR.2023 13:13:38

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



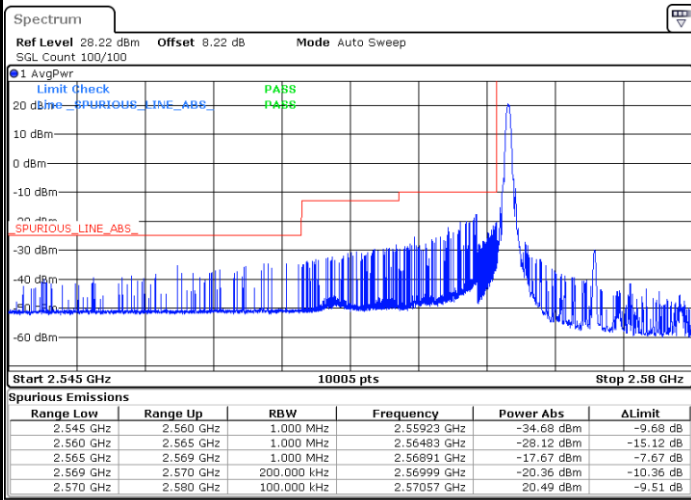
Date: 9.MAR.2023 13:03:00

Date: 9.MAR.2023 13:15:52



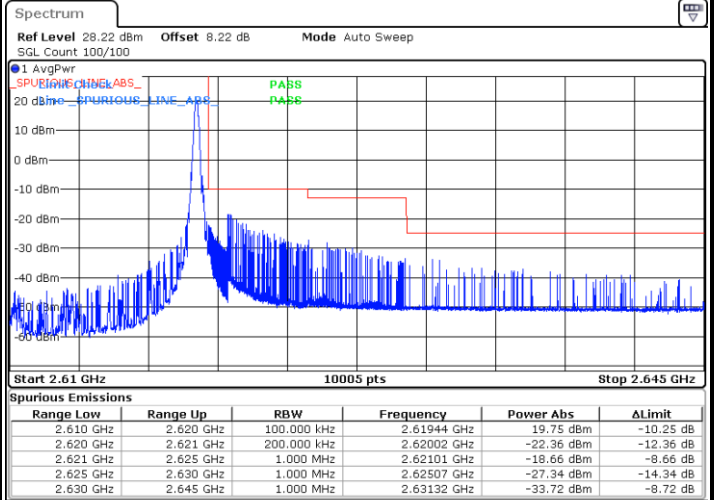
LTE Band 38 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



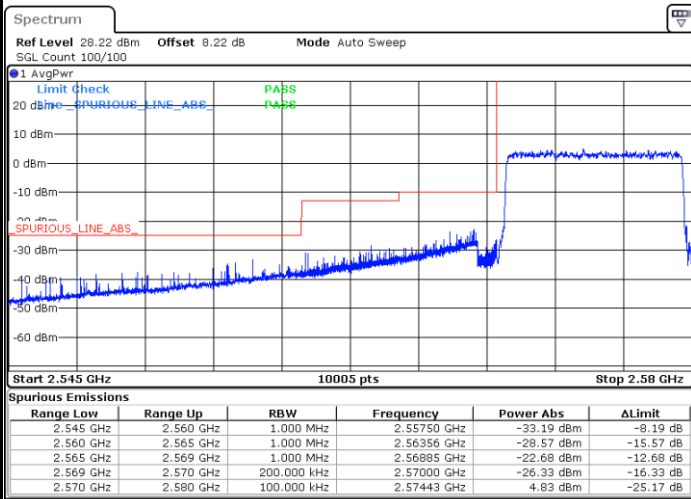
Date: 9.MAR.2023 13:05:58

Highest Band Edge / 1 RB



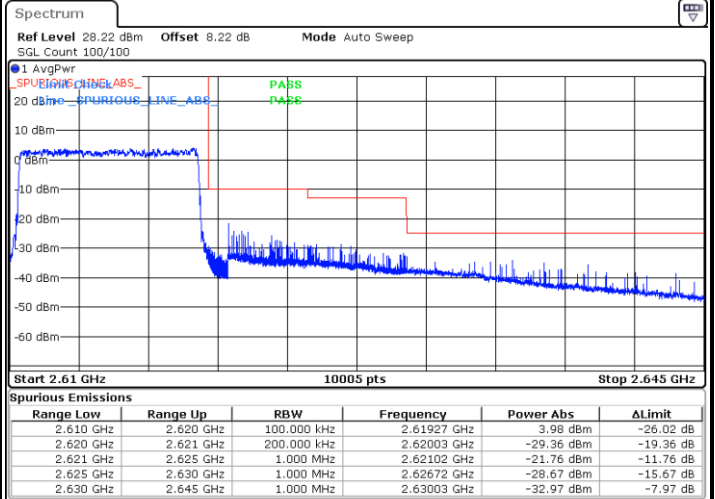
Date: 9.MAR.2023 13:14:23

Lowest Band Edge / Full RB



Date: 9.MAR.2023 13:03:44

Highest Band Edge / Full RB



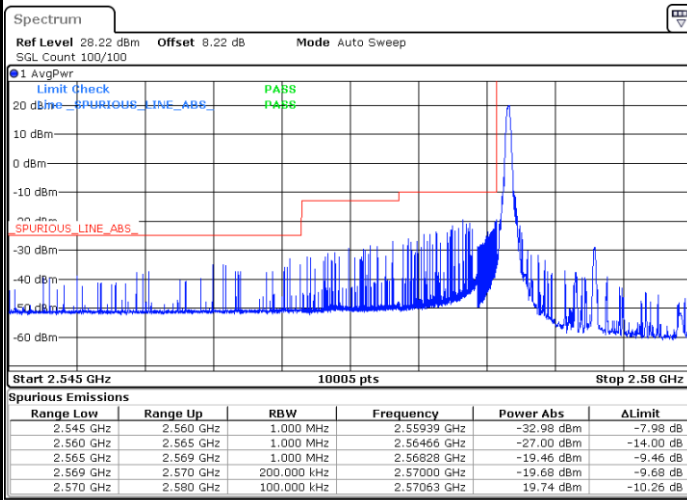
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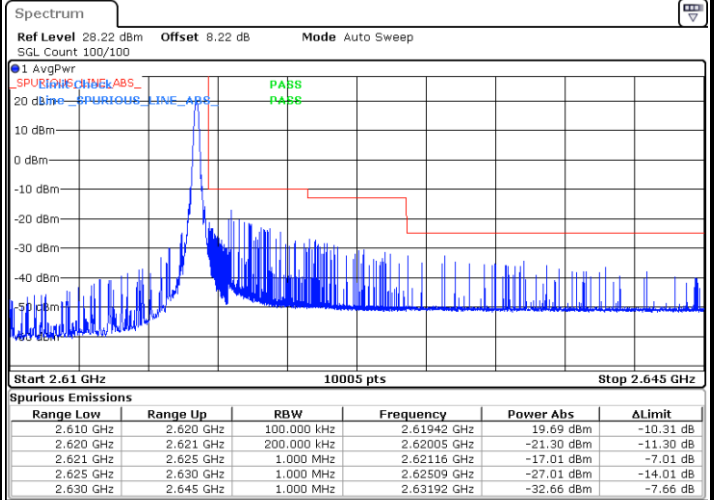
LTE Band 38 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



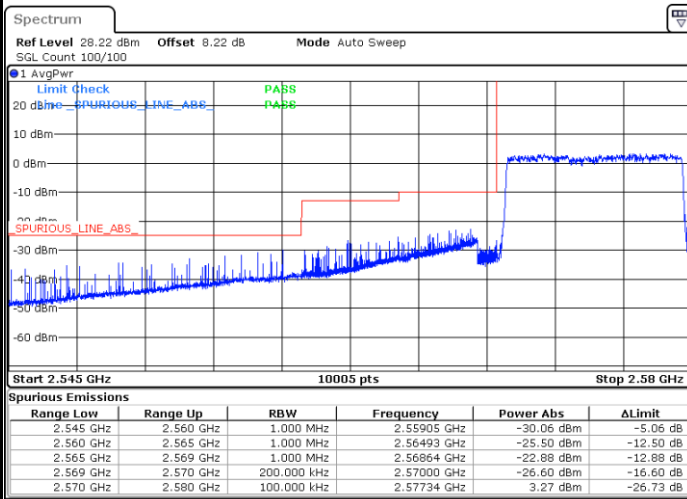
Date: 9.MAR.2023 13:06:43

Highest Band Edge / 1 RB



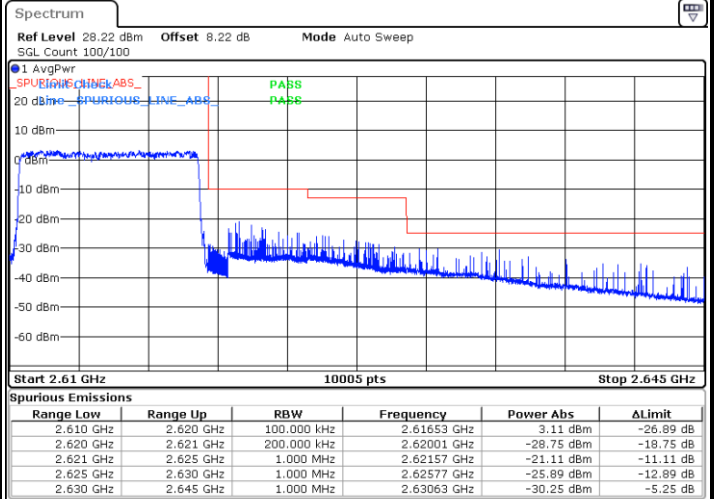
Date: 9.MAR.2023 13:15:07

Lowest Band Edge / Full RB



Date: 9.MAR.2023 13:04:29

Highest Band Edge / Full RB



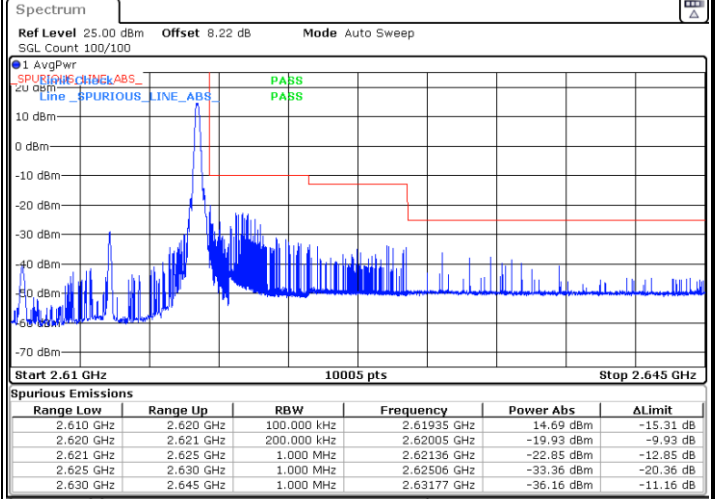
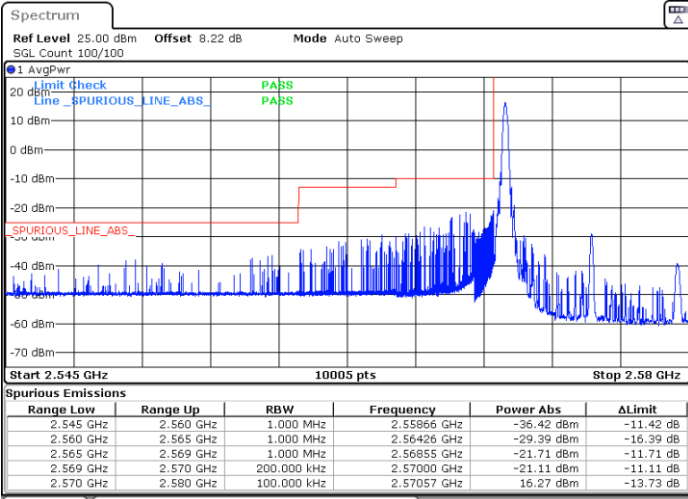
Date: 9.MAR.2023 13:17:22



LTE Band 38 / 10MHz / 256QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

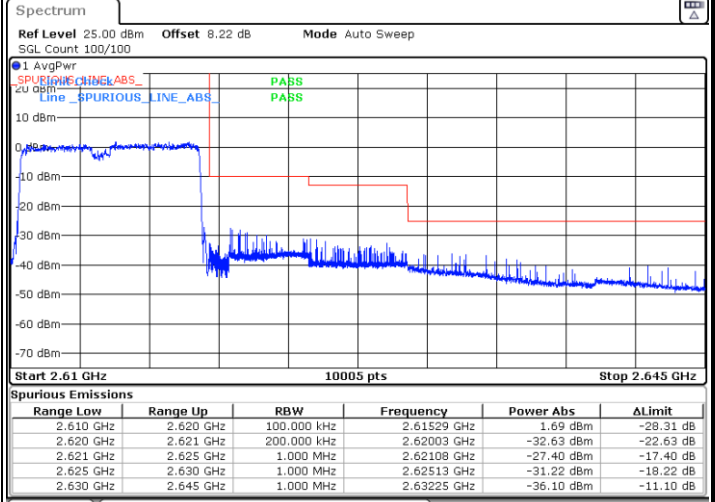
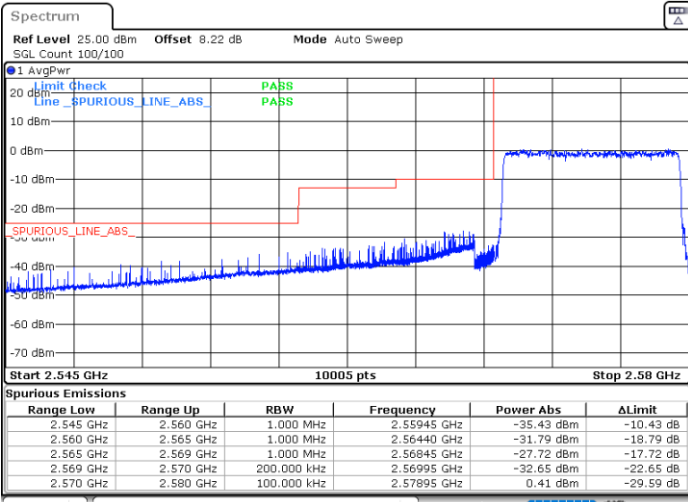


Date: 9.MAR.2023 04:41:24

Date: 9.MAR.2023 04:44:42

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 9.MAR.2023 04:40:27

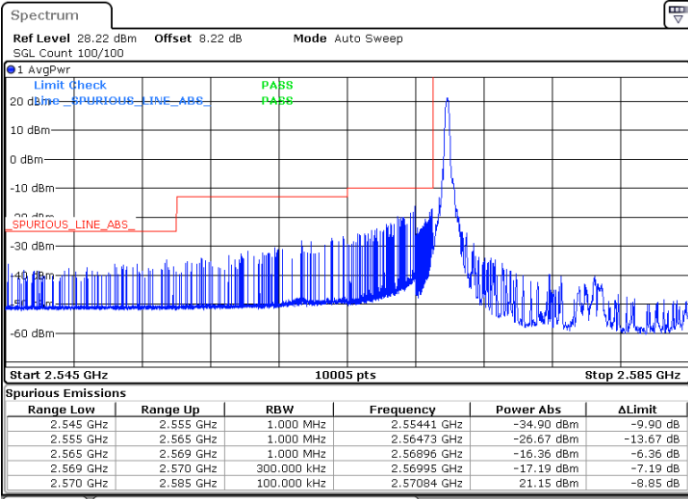
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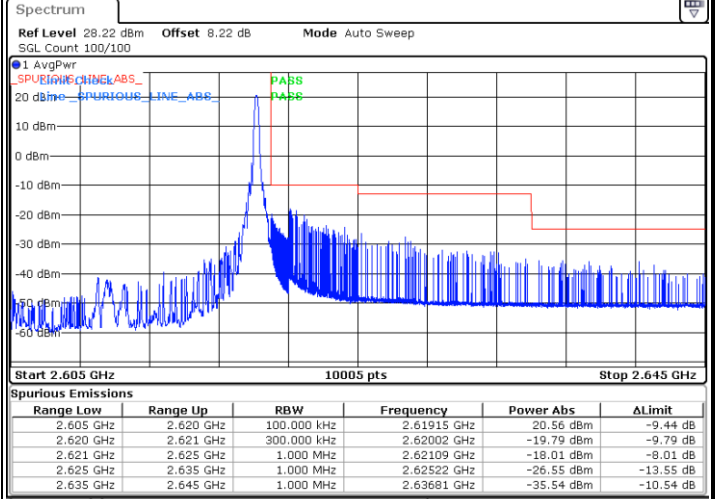
LTE Band 38 / 15MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



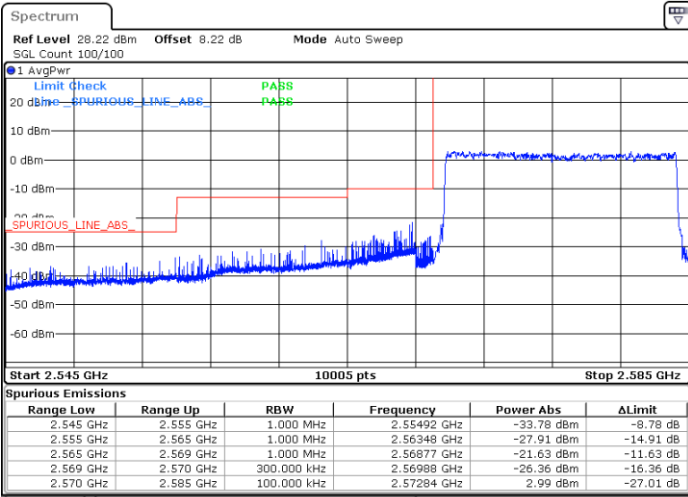
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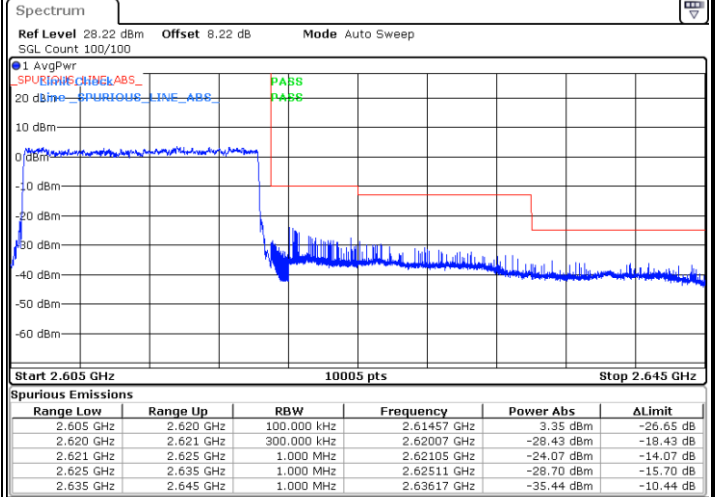
Date: 9.MAR.2023 13:28:45

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 9.MAR.2023 13:18:07



Date: 9.MAR.2023 13:31:00