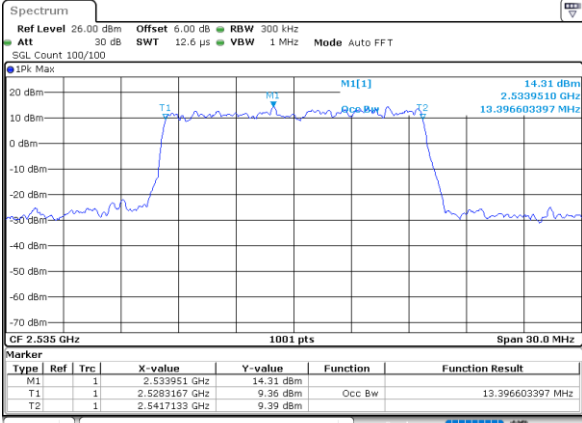




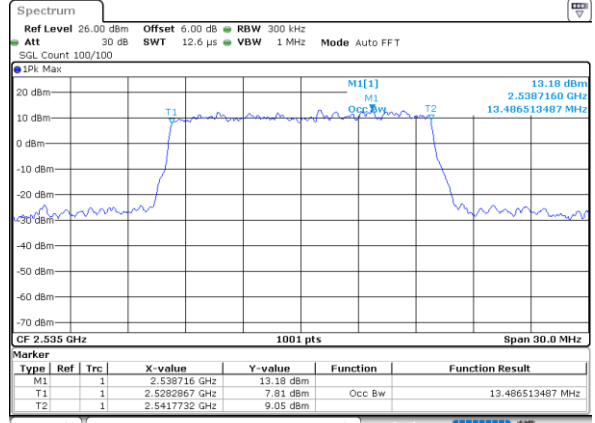
LTE Band 7

Middle Channel / 15MHz / QPSK



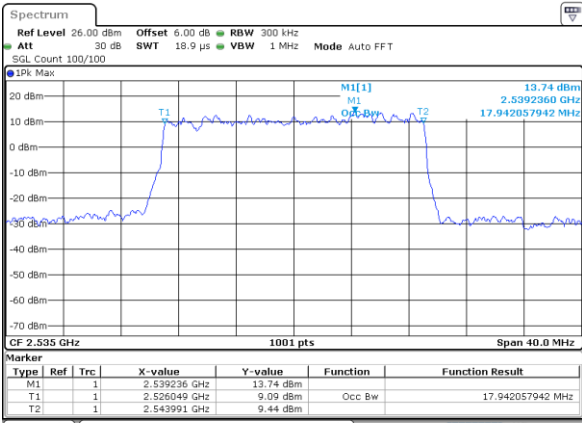
Date: 12.OCT.2023 21:27:54

Middle Channel / 15MHz / 16QAM



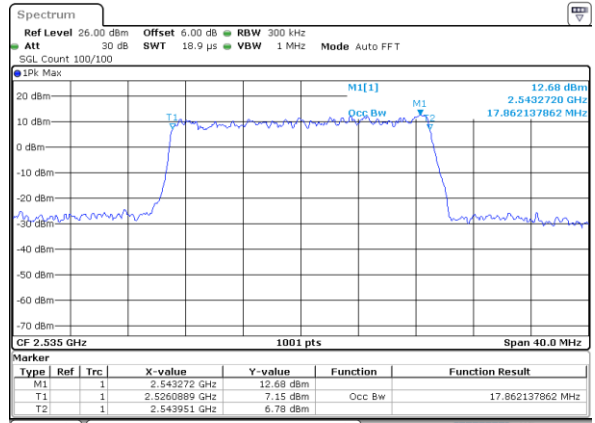
Date: 12.OCT.2023 21:28:50

Middle Channel / 20MHz / QPSK



Date: 12.OCT.2023 21:30:31

Middle Channel / 20MHz / 16QAM



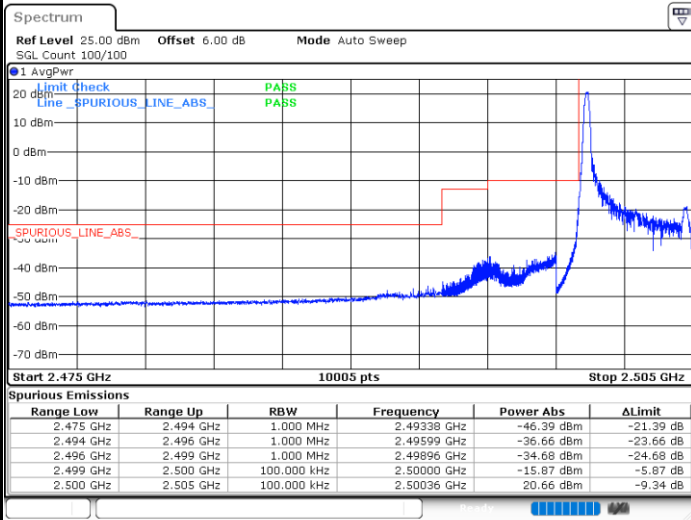
Date: 12.OCT.2023 21:31:26



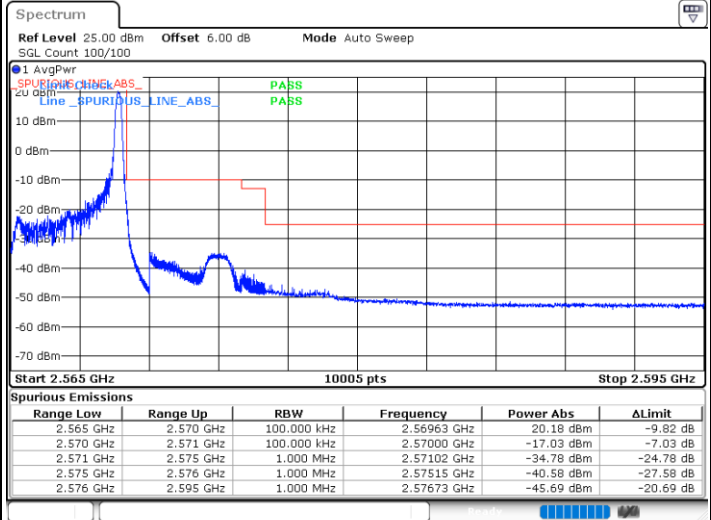
# Conducted Band Edge

## LTE Band 7 / 5MHz / QPSK

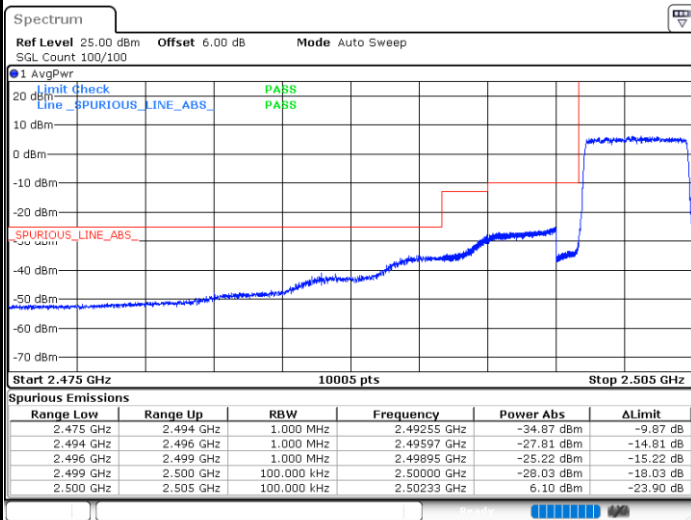
### Lowest Band Edge / 1 RB



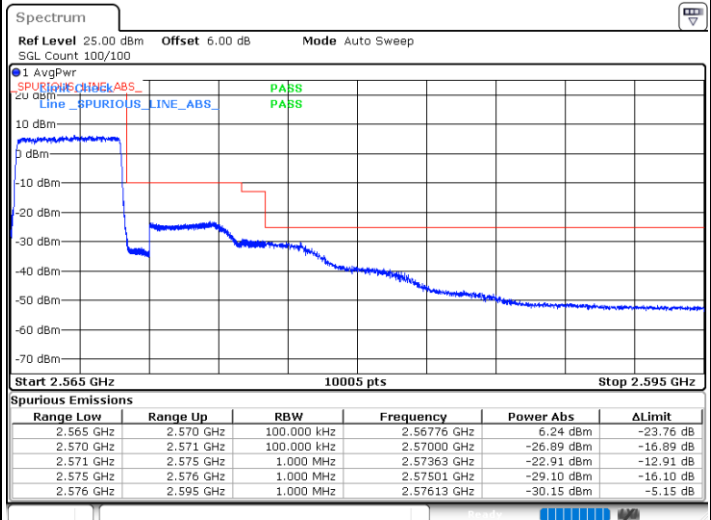
### Highest Band Edge / 1 RB



### Lowest Band Edge / Full RB



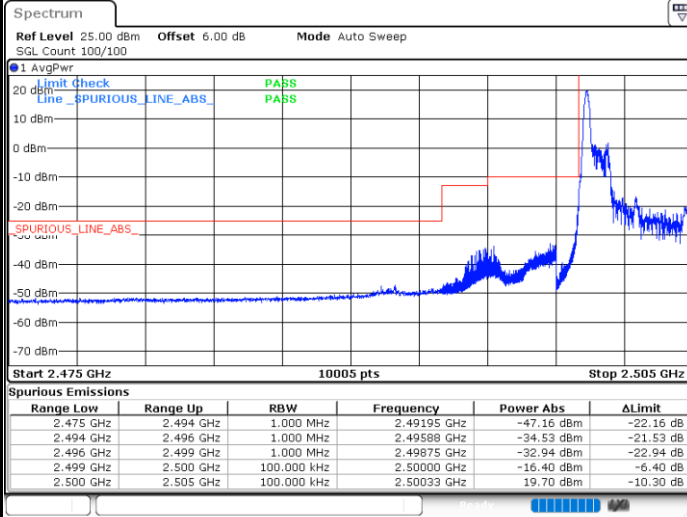
### Highest Band Edge / Full RB





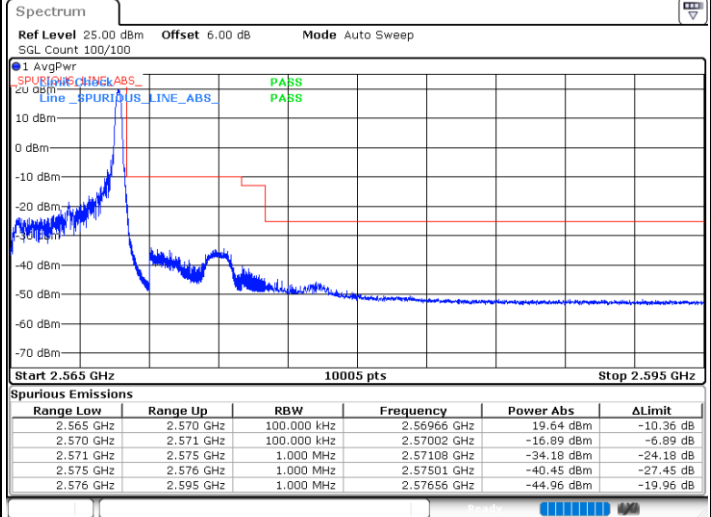
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



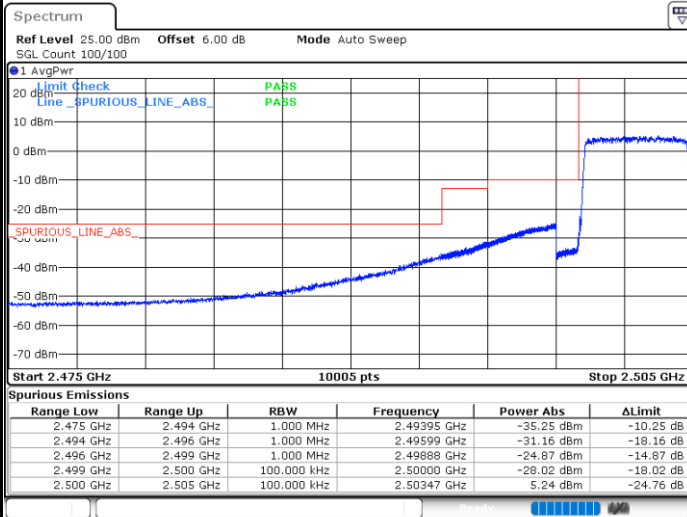
Date: 12.OCT.2023 20:15:41

Highest Band Edge / 1 RB



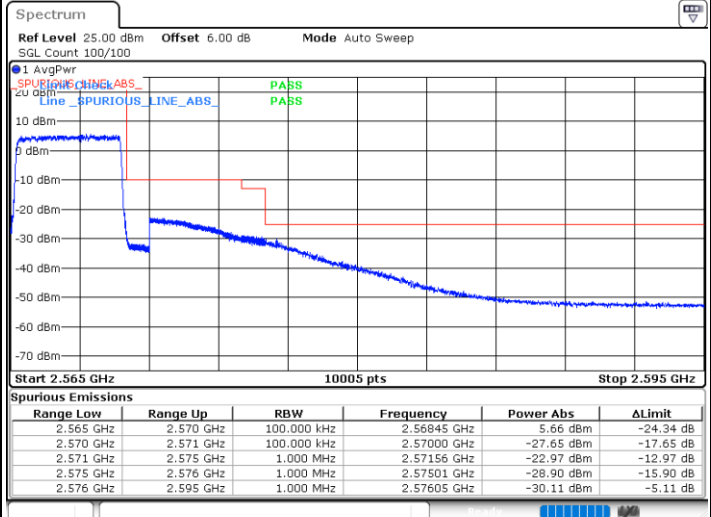
Date: 12.OCT.2023 20:22:55

Lowest Band Edge / Full RB



Date: 12.OCT.2023 20:17:59

Highest Band Edge / Full RB

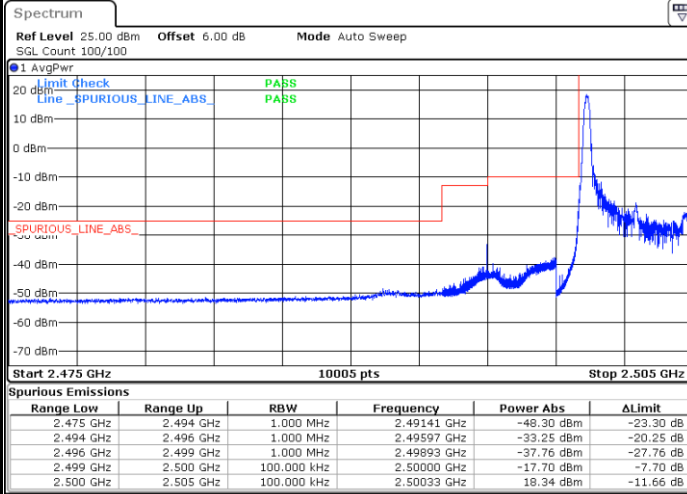


Date: 12.OCT.2023 20:25:12



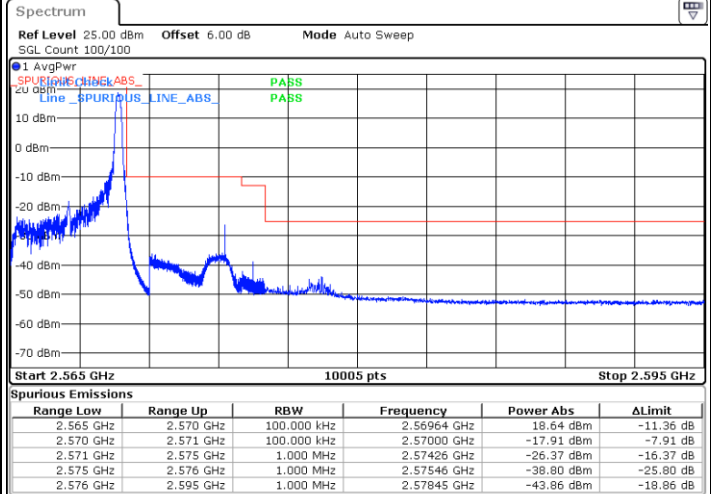
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



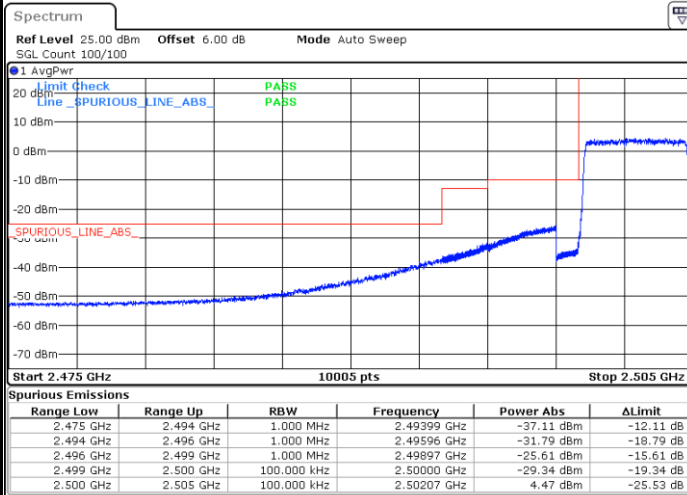
Date: 12.OCT.2023 20:16:27

Highest Band Edge / 1 RB



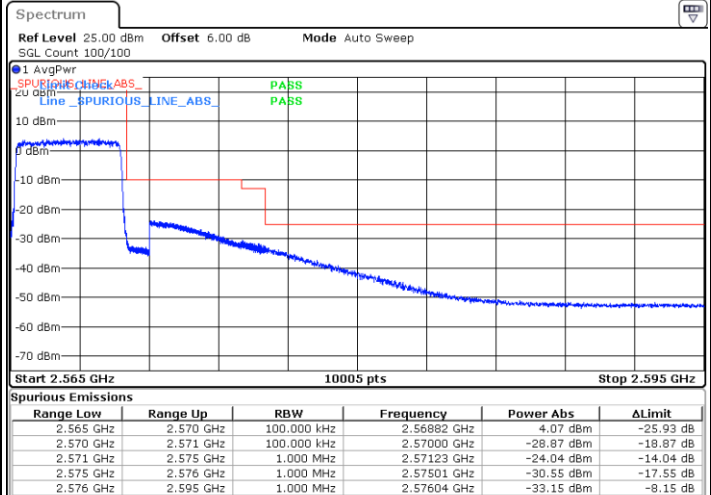
Date: 12.OCT.2023 20:23:41

Lowest Band Edge / Full RB



Date: 12.OCT.2023 20:17:13

Highest Band Edge / Full RB



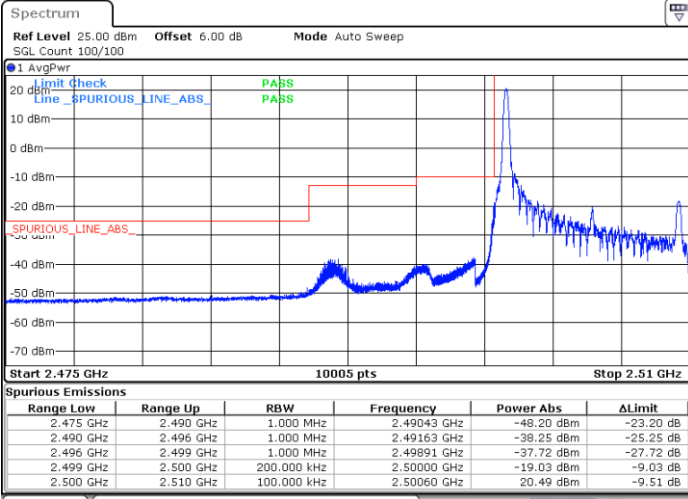
Date: 12.OCT.2023 20:24:27



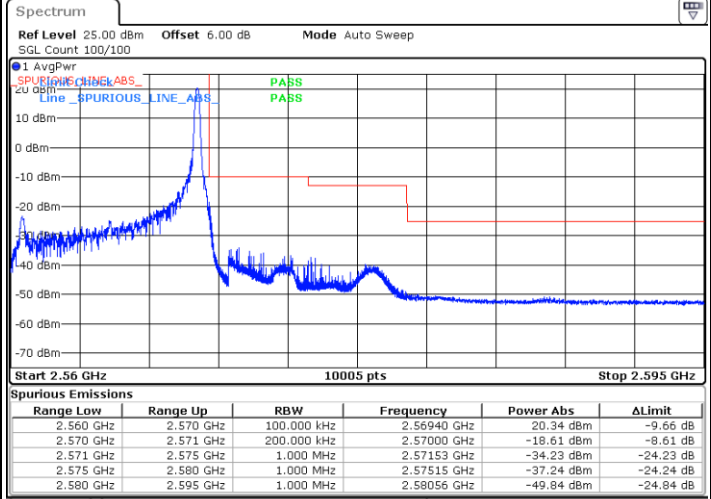
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



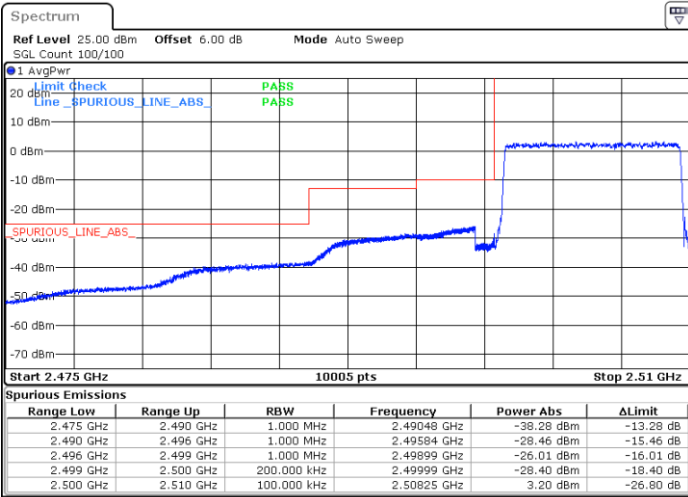
Date: 12.OCT.2023 20:28:04



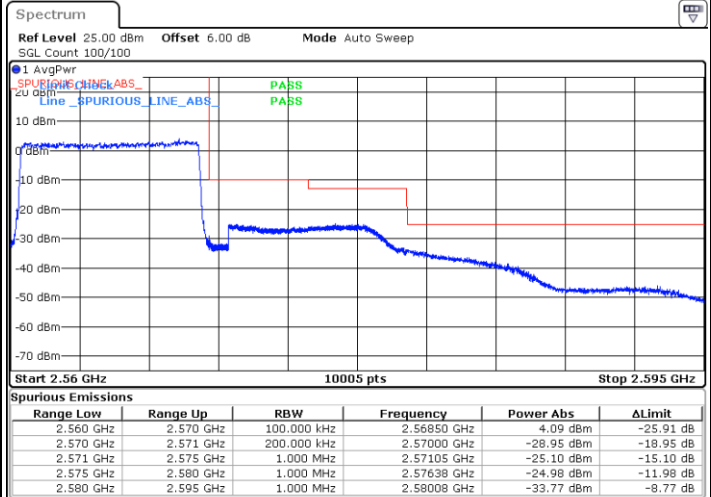
Date: 12.OCT.2023 20:35:20

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 12.OCT.2023 20:31:55



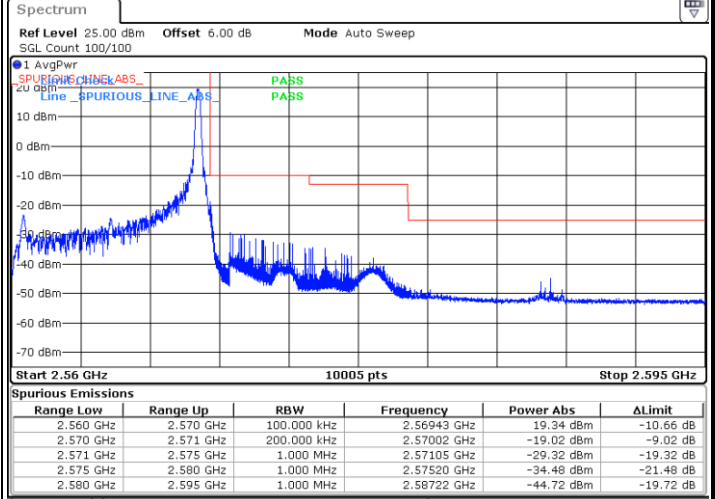
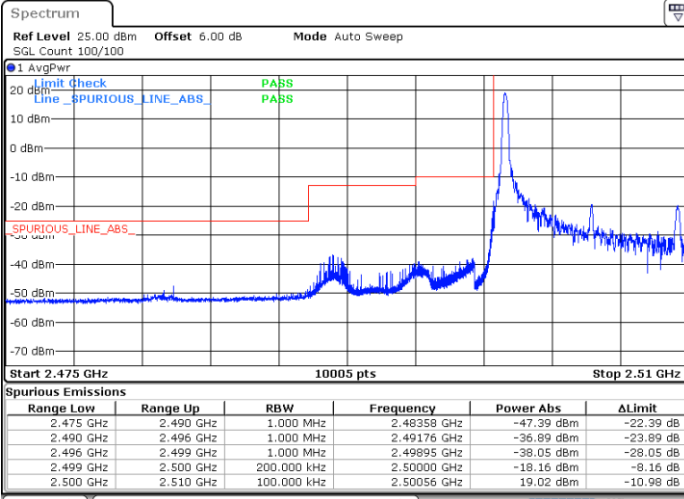
Date: 12.OCT.2023 20:39:08



LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

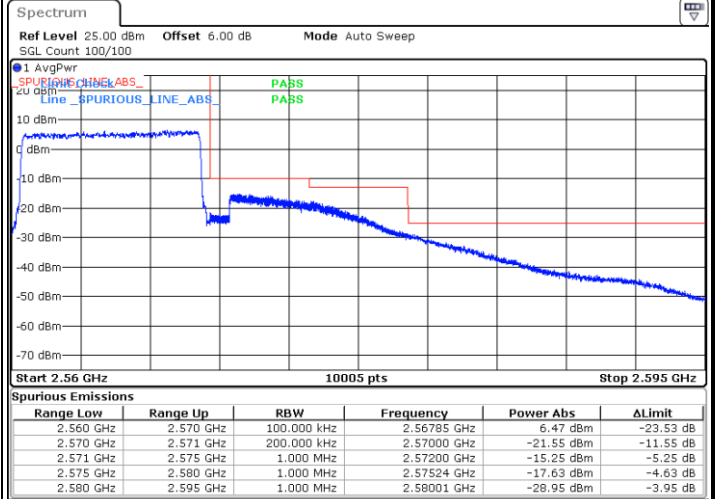
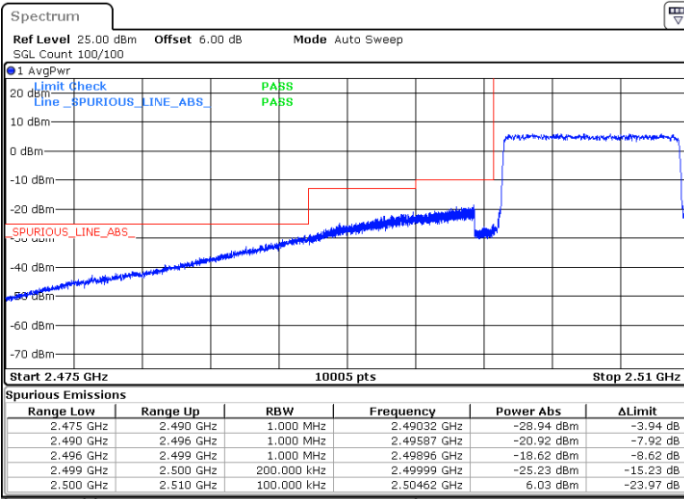


Date: 12.OCT.2023 20:28:49

Date: 12.OCT.2023 20:36:05

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 12.OCT.2023 20:31:07

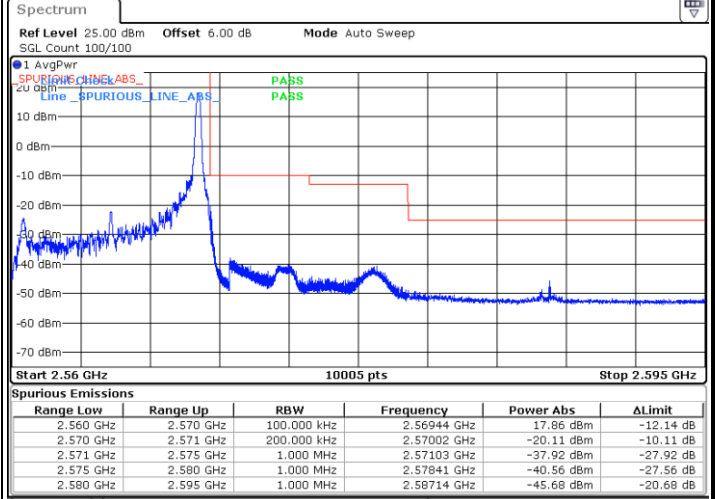
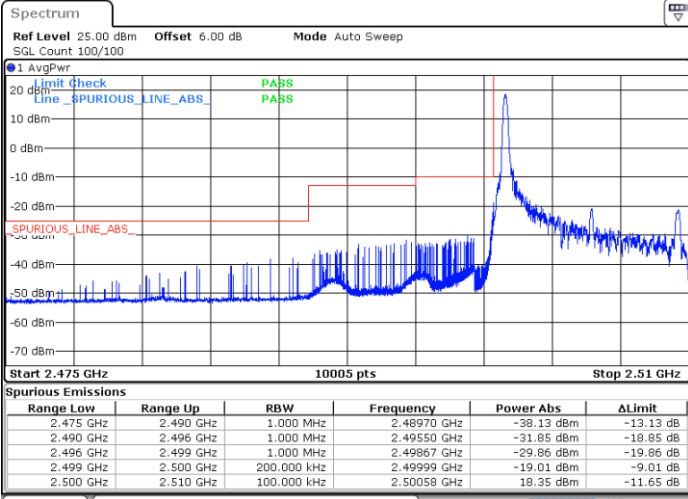
Date: 12.OCT.2023 20:38:23



LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

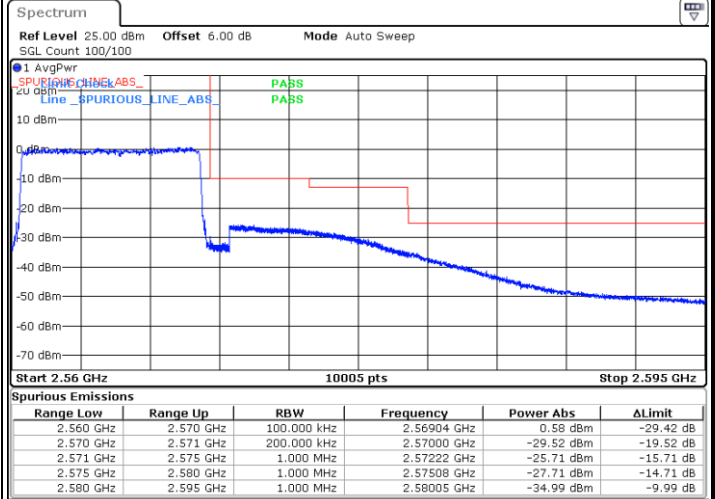
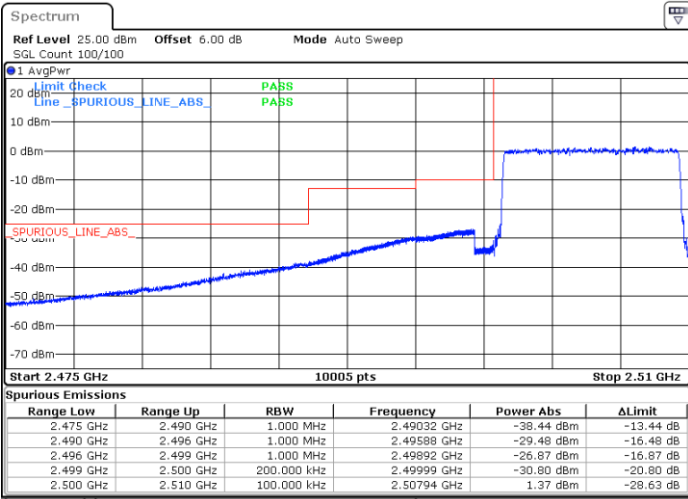


Date: 12.OCT.2023 20:29:35

Date: 12.OCT.2023 20:36:51

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



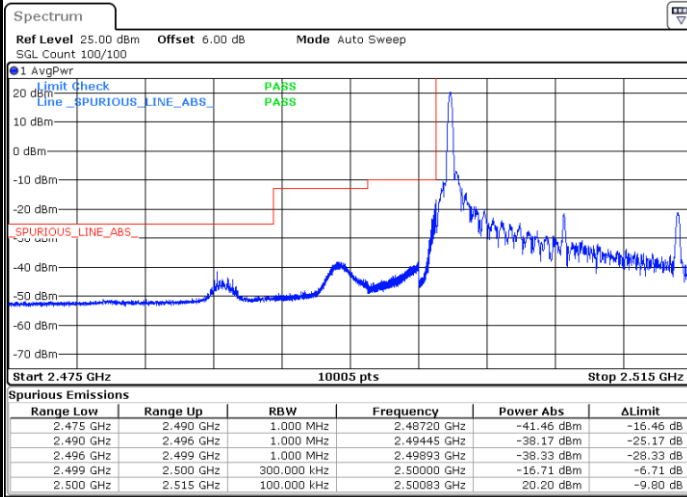
Date: 12.OCT.2023 20:30:21

Date: 12.OCT.2023 20:37:37



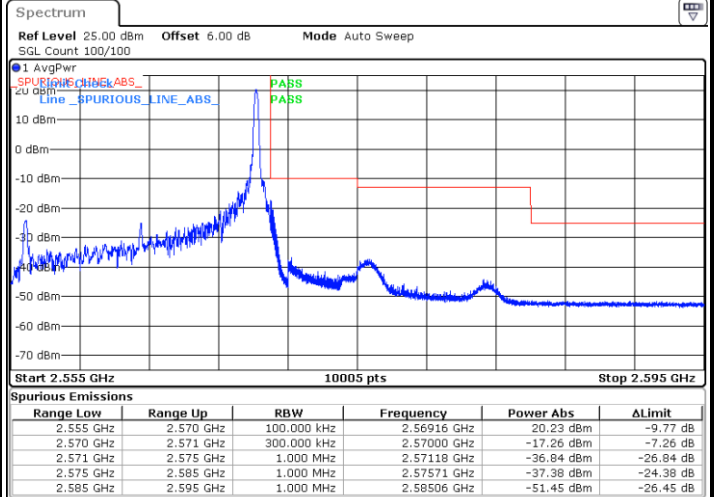
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



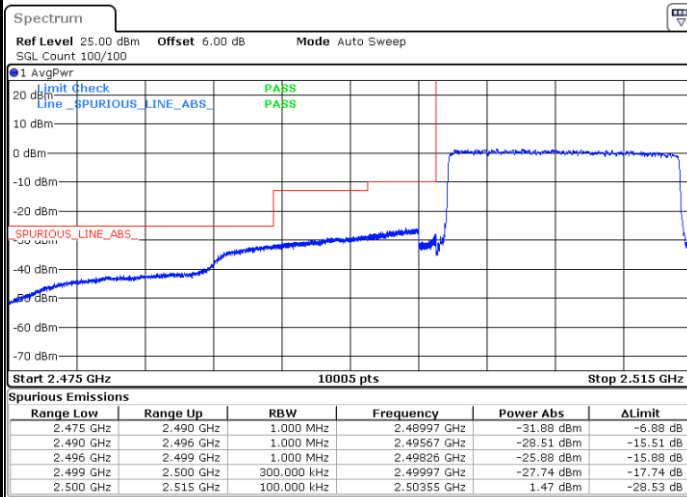
Date: 12.OCT.2023 20:41:15

Highest Band Edge / 1 RB



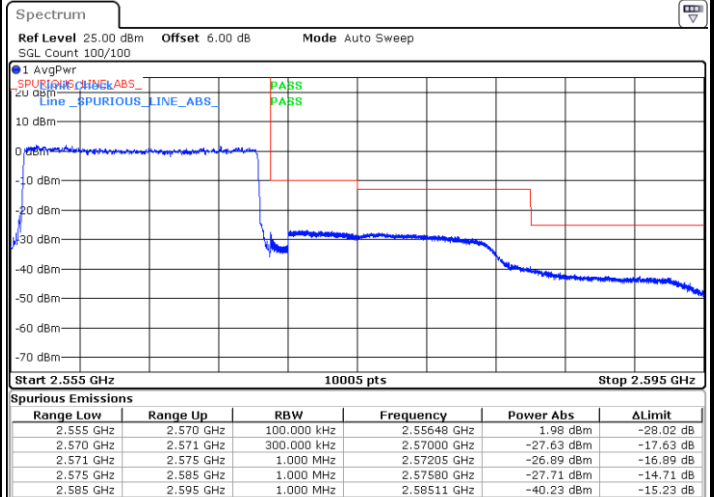
Date: 12.OCT.2023 20:48:28

Lowest Band Edge / Full RB



Date: 12.OCT.2023 20:45:03

Highest Band Edge / Full RB



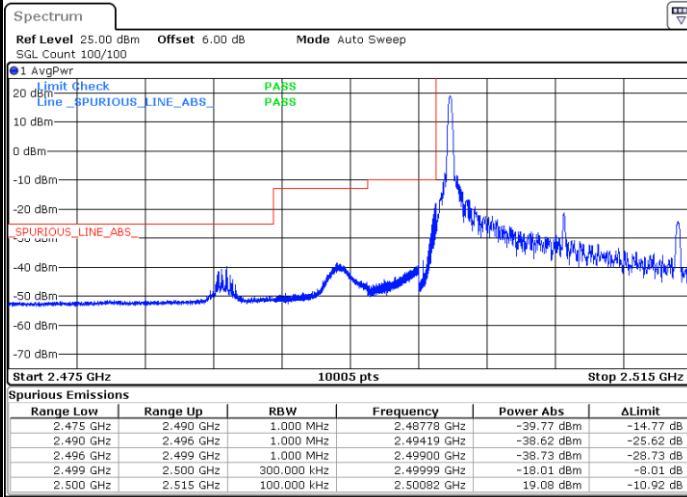
Date: 12.OCT.2023 20:57:24





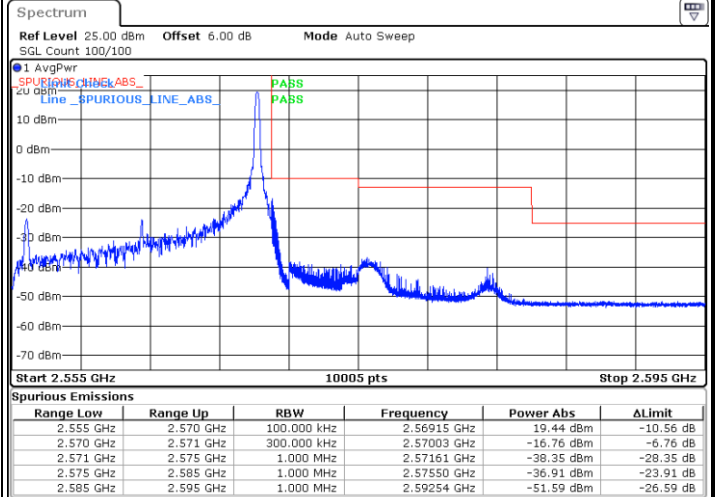
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



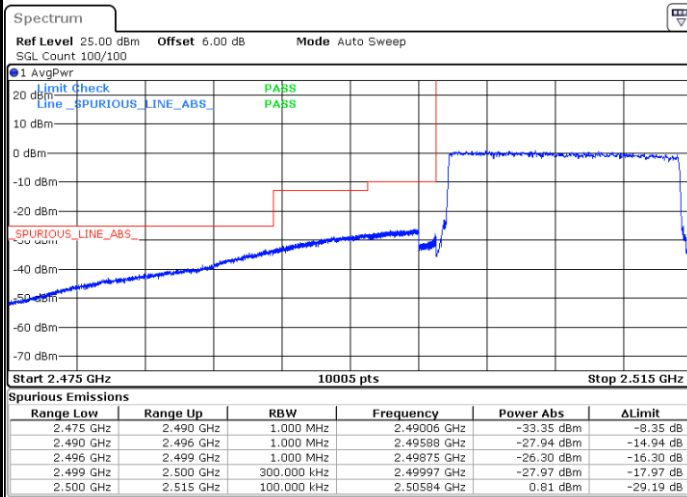
Date: 12.OCT.2023 20:42:00

Highest Band Edge / 1 RB



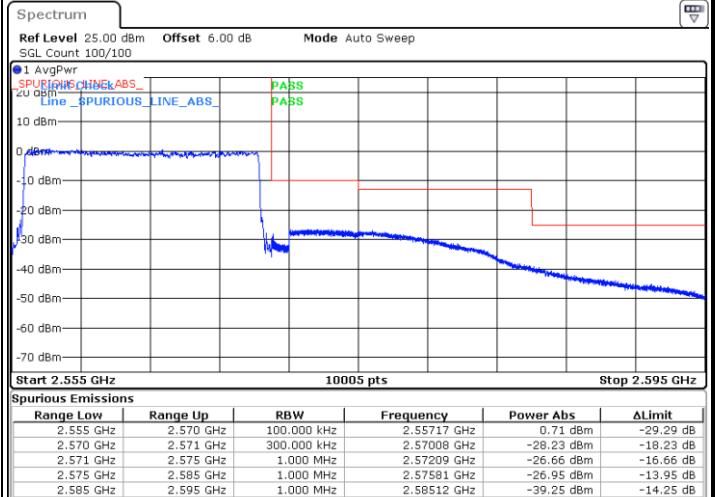
Date: 12.OCT.2023 20:54:22

Lowest Band Edge / Full RB



Date: 12.OCT.2023 20:44:18

Highest Band Edge / Full RB



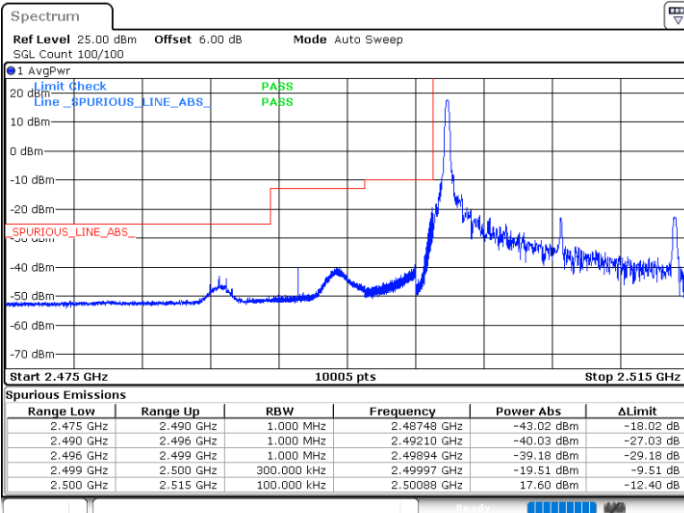
Date: 12.OCT.2023 20:56:39



LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



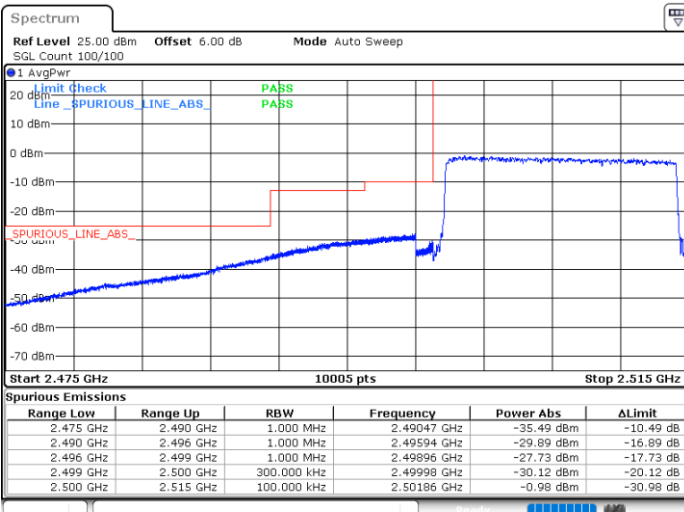
Date: 12.OCT.2023 20:42:46



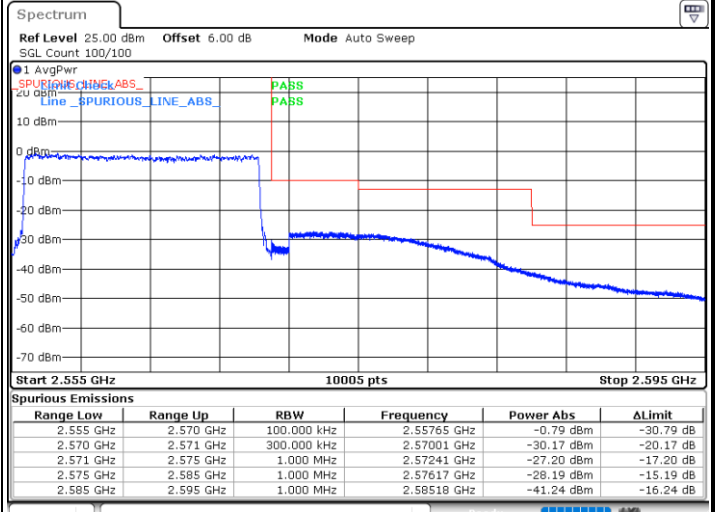
Date: 12.OCT.2023 20:55:07

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 12.OCT.2023 20:43:32

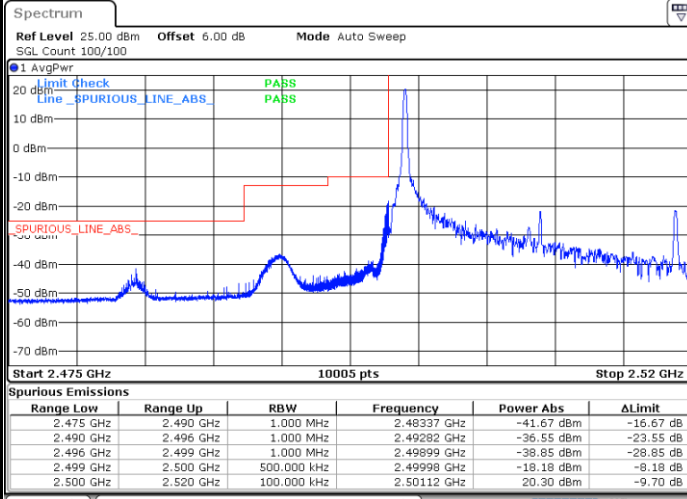


Date: 12.OCT.2023 20:55:53



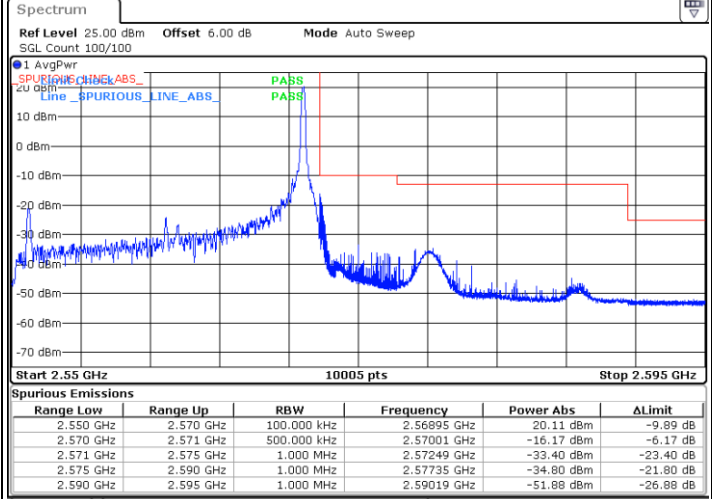
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



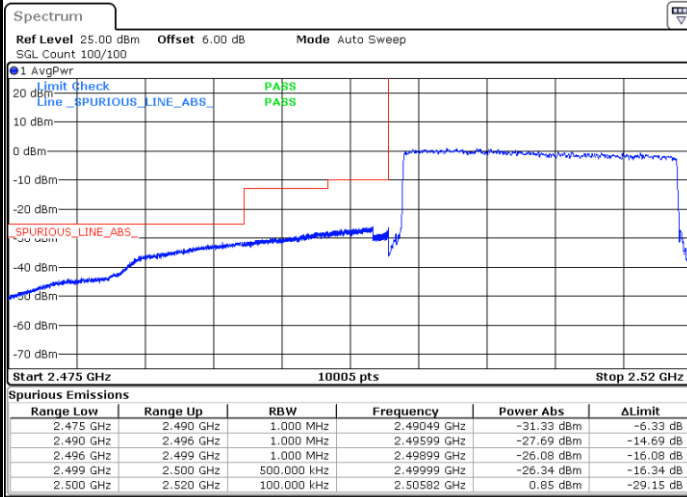
Date: 12.OCT.2023 20:59:31

Highest Band Edge / 1 RB



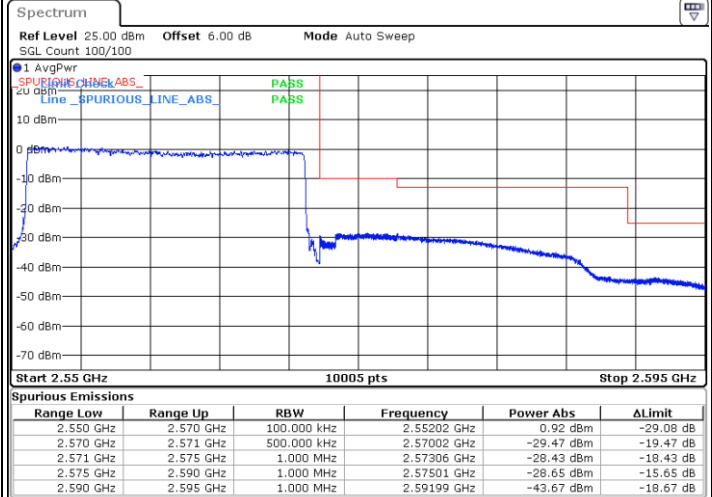
Date: 12.OCT.2023 21:06:44

Lowest Band Edge / Full RB



Date: 12.OCT.2023 21:03:20

Highest Band Edge / Full RB



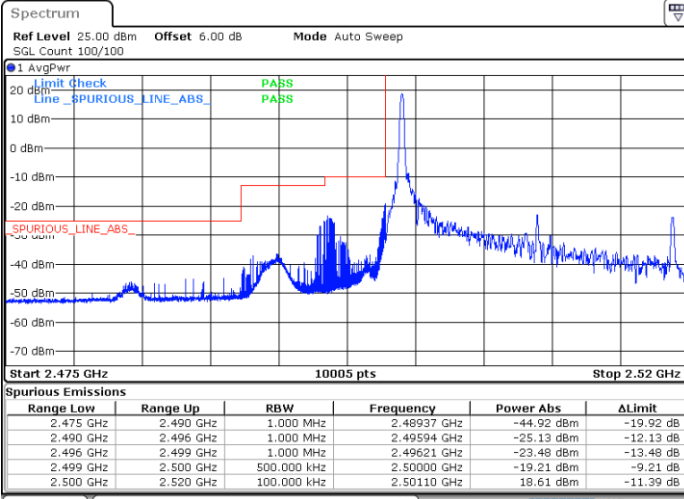
Date: 12.OCT.2023 21:10:33



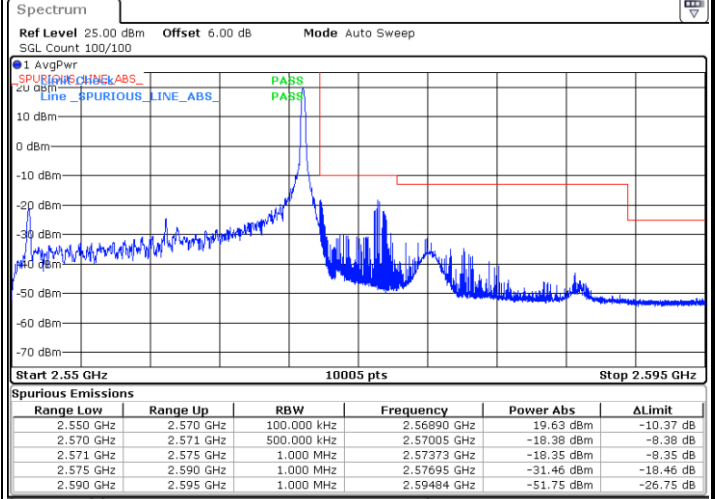
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



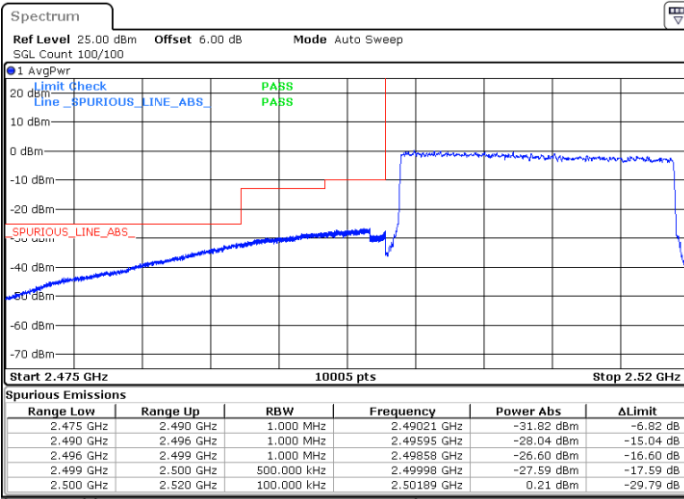
Date: 12.OCT.2023 21:00:17



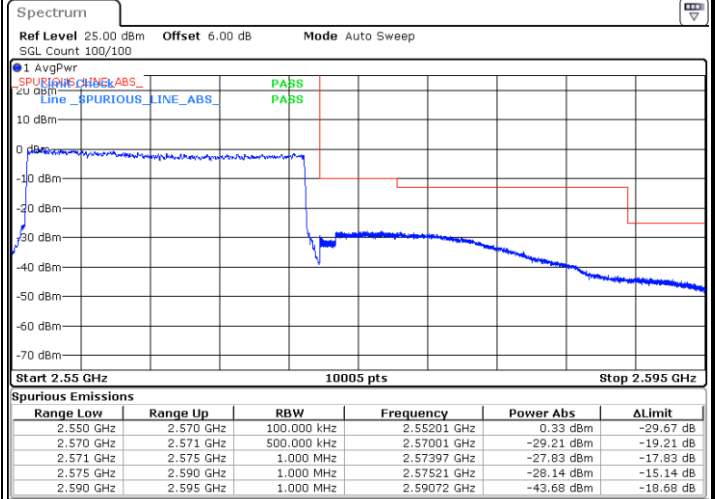
Date: 12.OCT.2023 21:07:30

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 12.OCT.2023 21:02:34



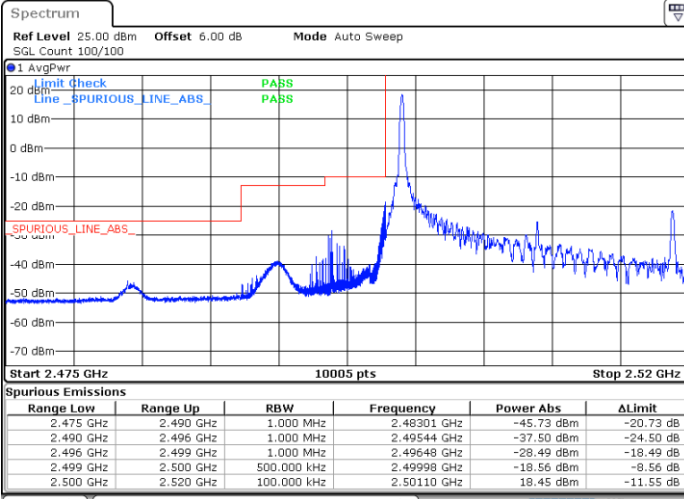
Date: 12.OCT.2023 21:09:47



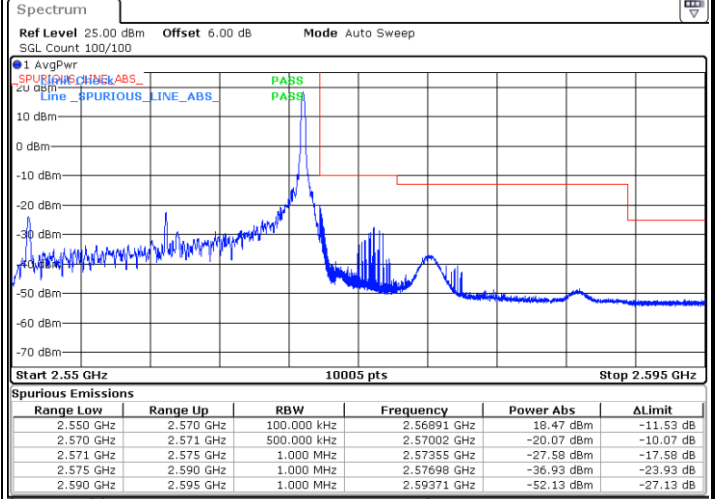
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



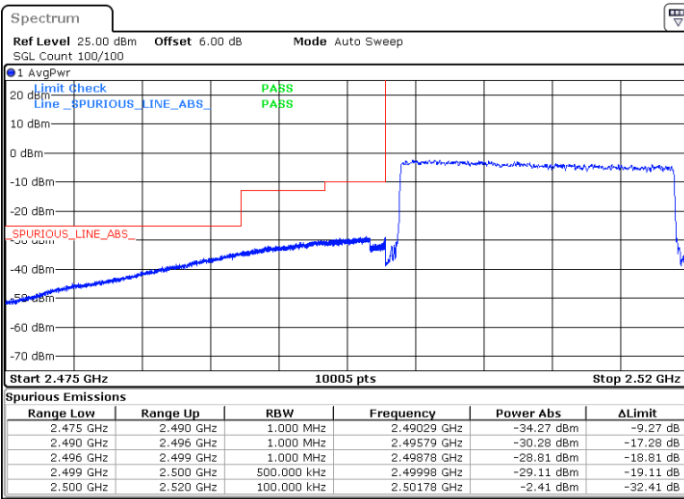
Date: 12.OCT.2023 21:01:02



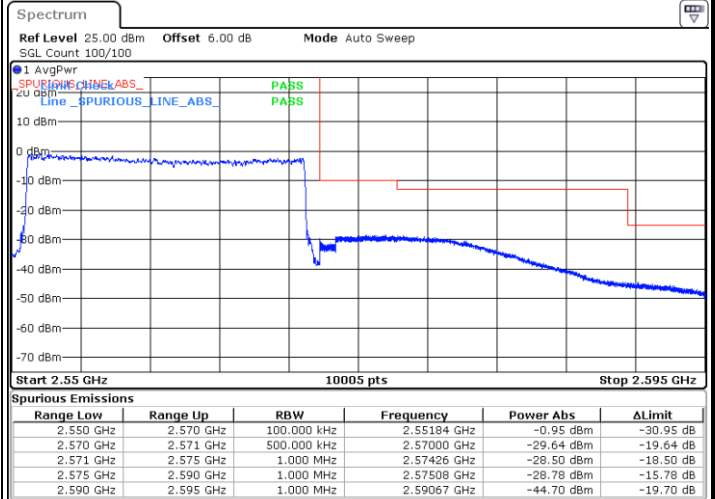
Date: 12.OCT.2023 21:08:16

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



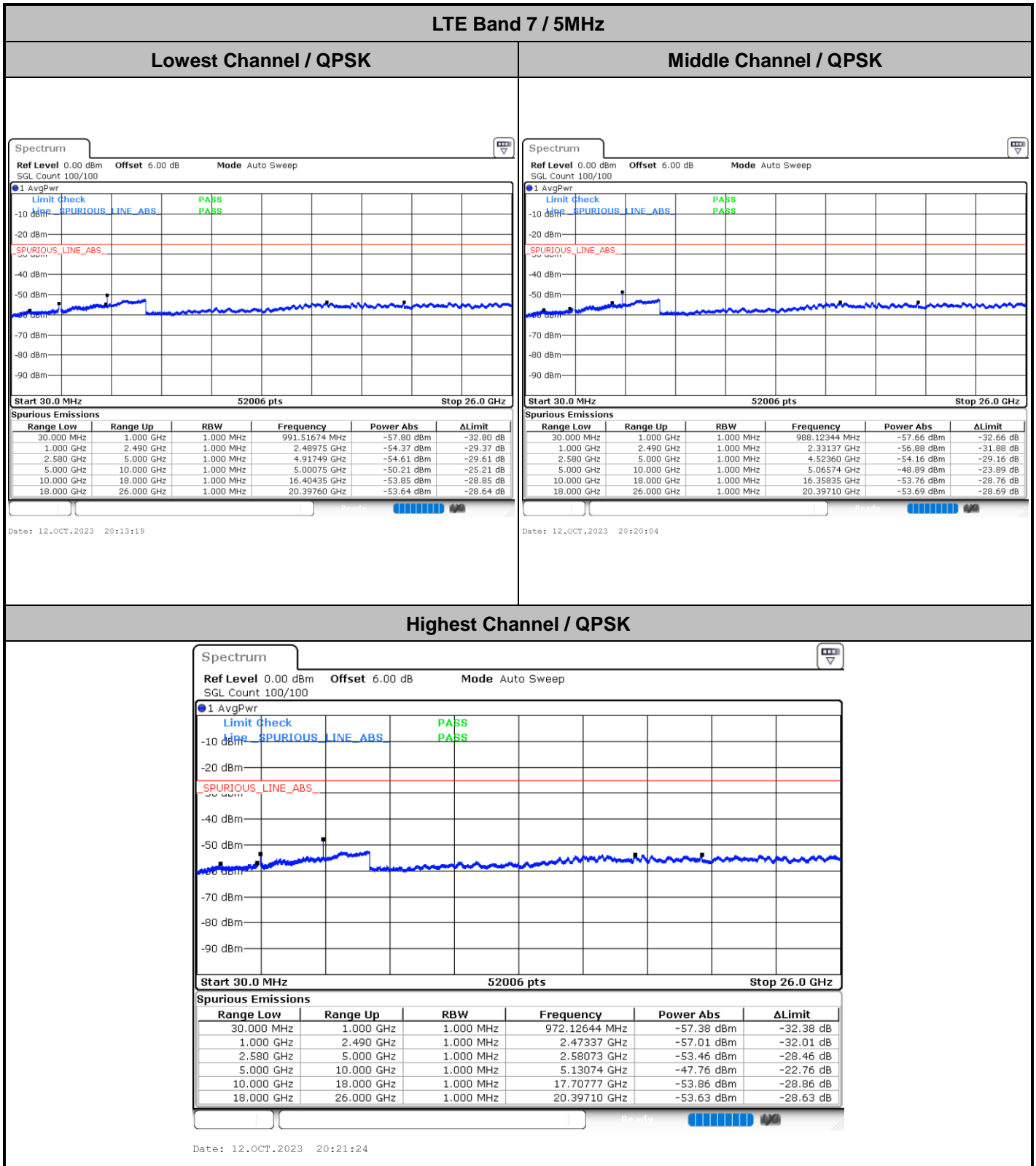
Date: 12.OCT.2023 21:01:48



Date: 12.OCT.2023 21:09:01



# Conducted Spurious Emission

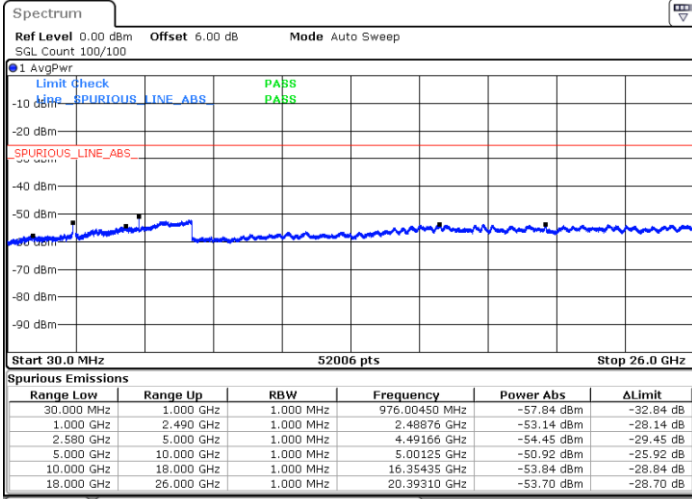




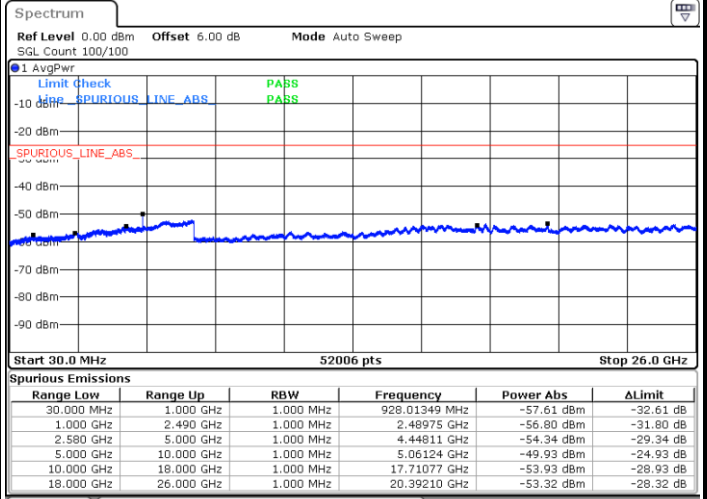
LTE Band 7 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

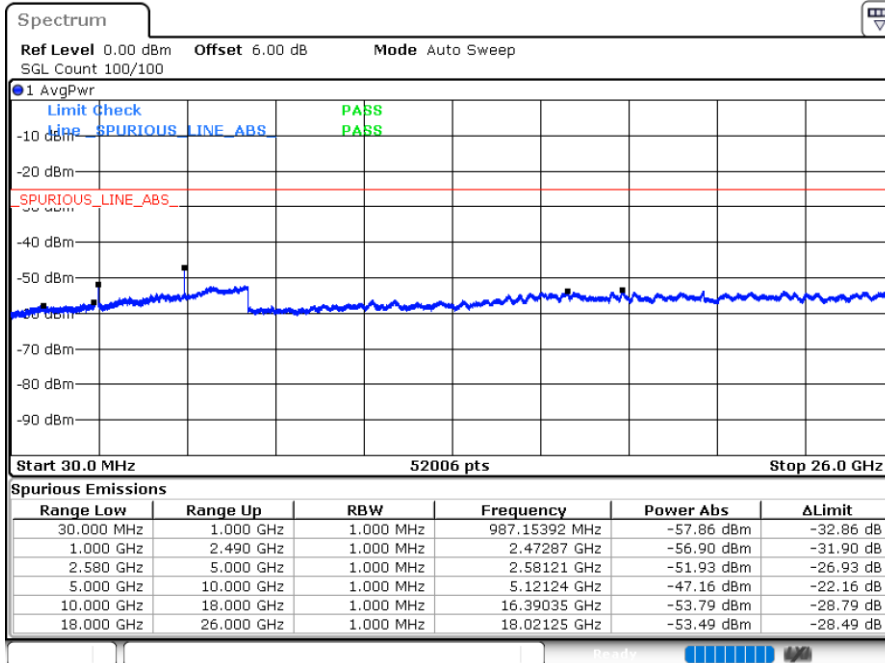


Date: 12.OCT.2023 20:27:18



Date: 12.OCT.2023 20:33:14

Highest Channel / QPSK



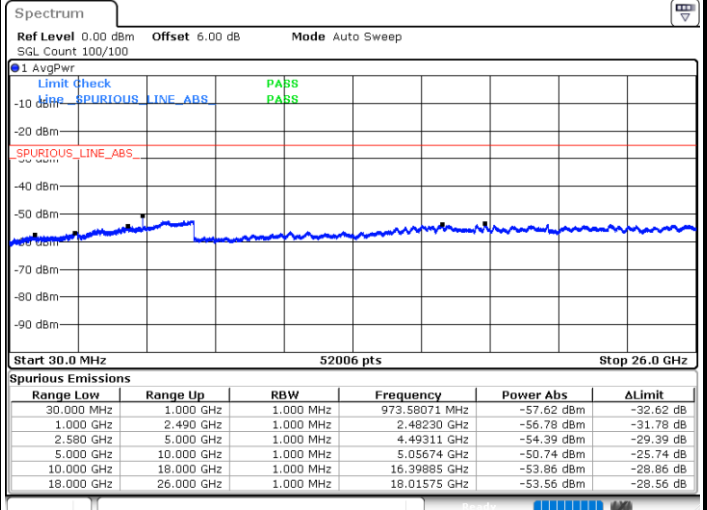
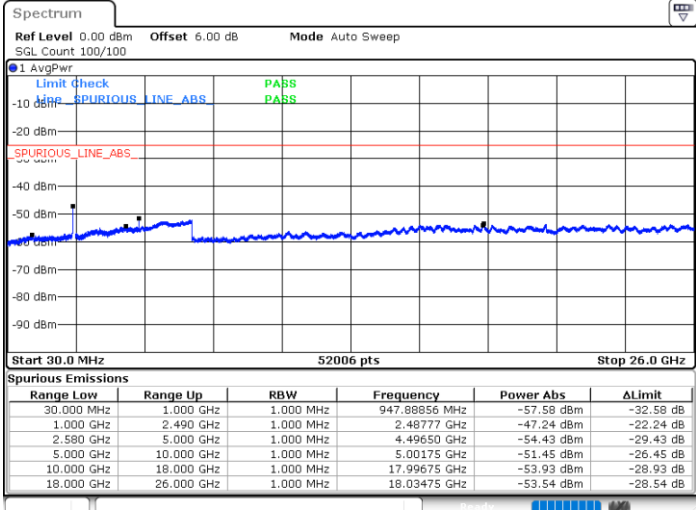
Date: 12.OCT.2023 20:34:34



LTE Band 7 / 15MHz

Lowest Channel / QPSK

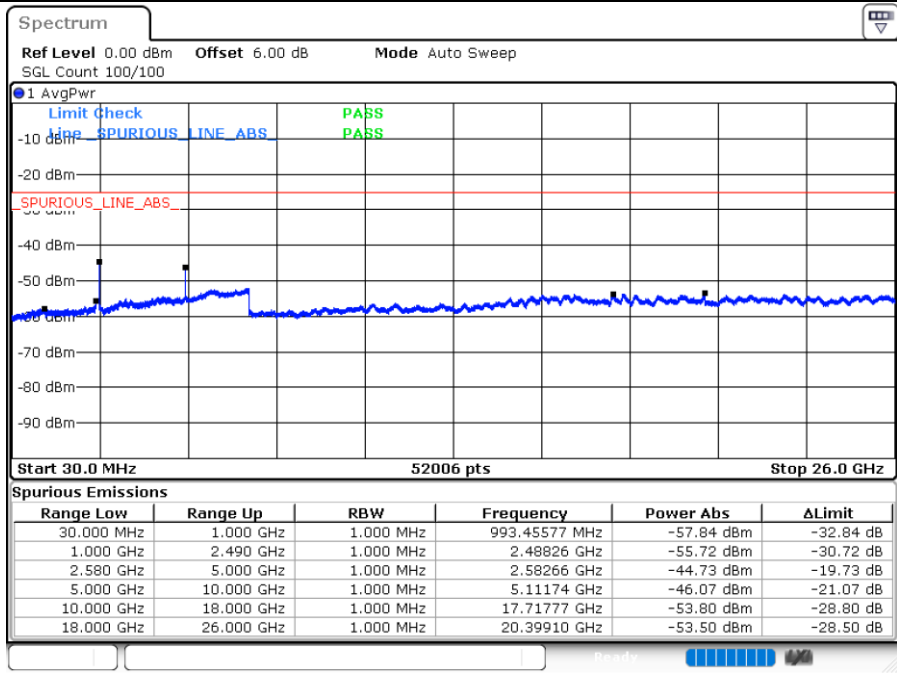
Middle Channel / QPSK



Date: 12.OCT.2023 20:40:29

Date: 12.OCT.2023 20:46:23

Highest Channel / QPSK



Date: 12.OCT.2023 20:47:42

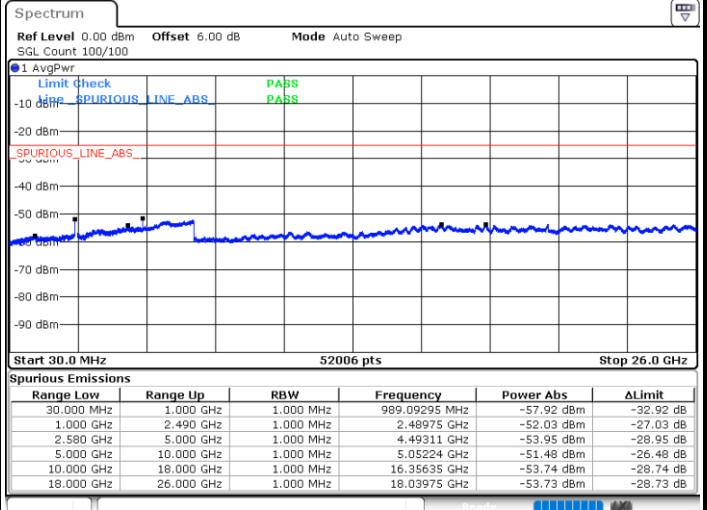
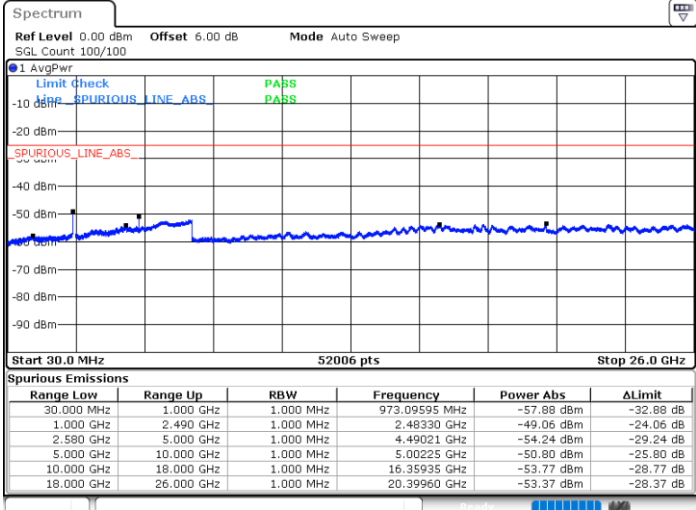




LTE Band 7 / 20MHz

Lowest Channel / QPSK

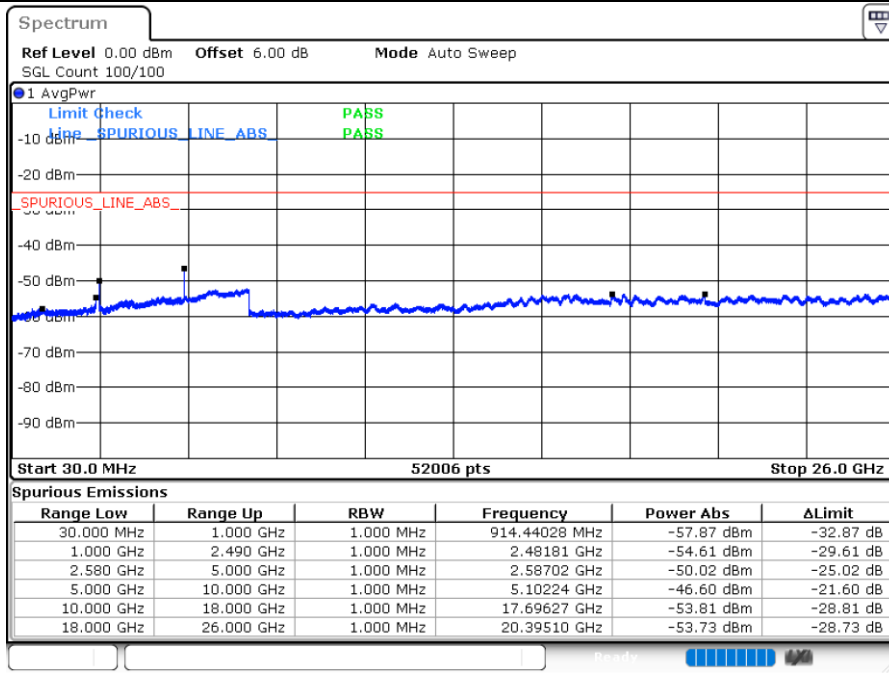
Middle Channel / QPSK



Date: 12.OCT.2023 20:58:45

Date: 12.OCT.2023 21:04:39

Highest Channel / QPSK



Date: 12.OCT.2023 21:05:58



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0026	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0037	
-10	Normal Voltage	0.0042	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0019	
20	Battery End Point	0.0024	

Note:

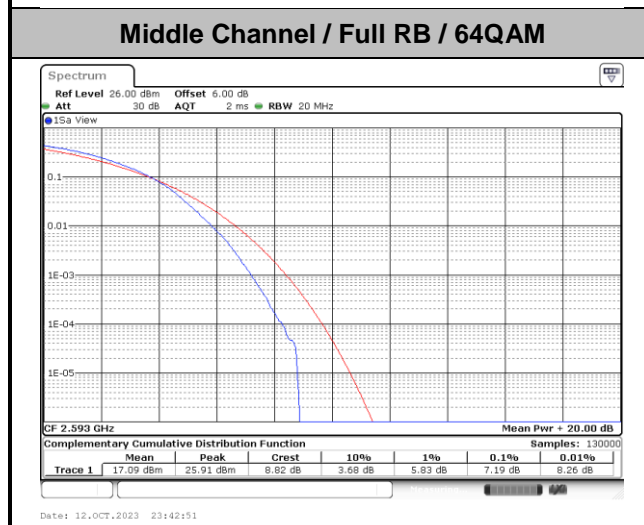
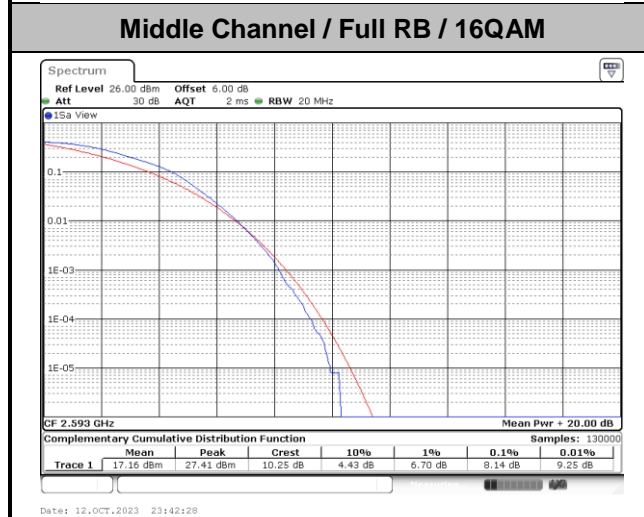
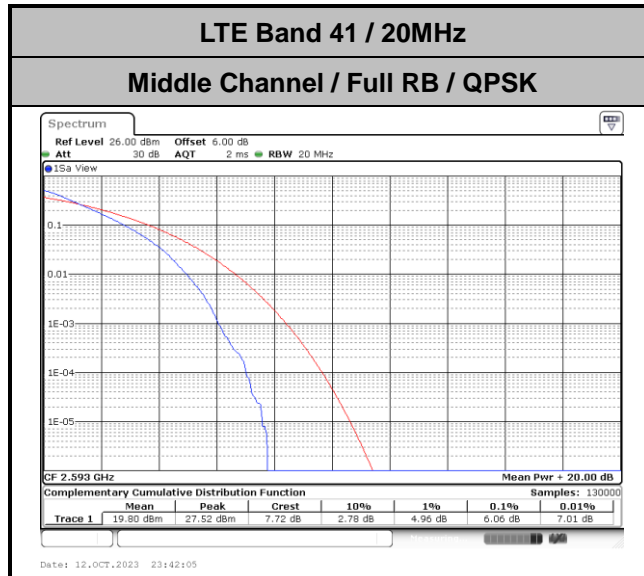
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 41

### Peak-to-Average Ratio

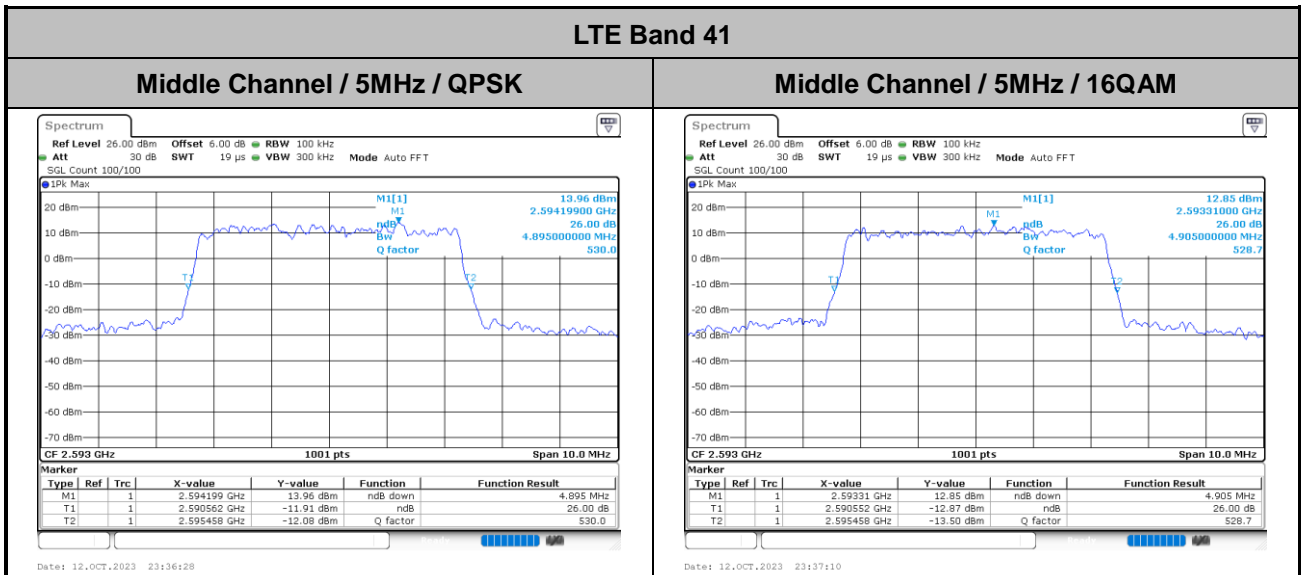
Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	6.06	8.14	7.19	<b>PASS</b>





## 26dB Bandwidth

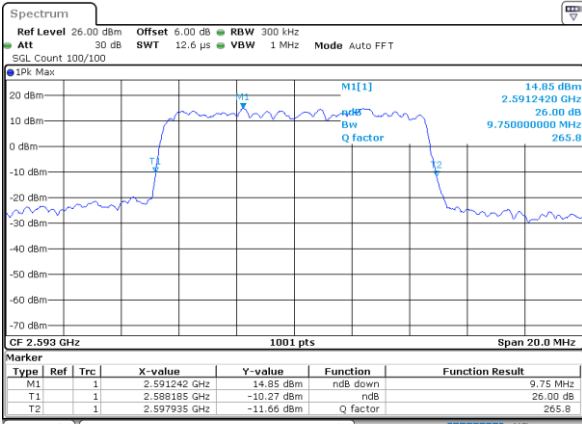
Mode	LTE Band 41 : 26dB BW(MHz)	
<b>BW</b>	<b>5MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	4.90	4.91
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	9.75	9.85
<b>BW</b>	<b>15MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	14.87	14.30
<b>BW</b>	<b>20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	18.62	19.18





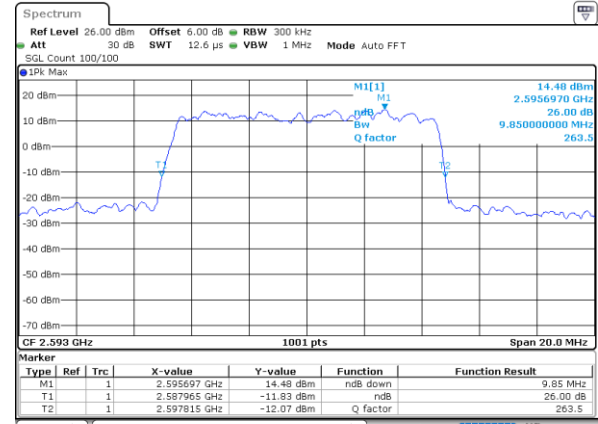
LTE Band 41

Middle Channel / 10MHz / QPSK



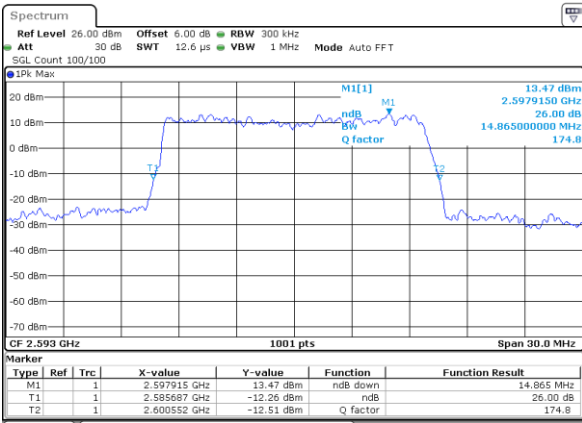
Date: 12.OCT.2023 23:38:13

Middle Channel / 10MHz / 16QAM



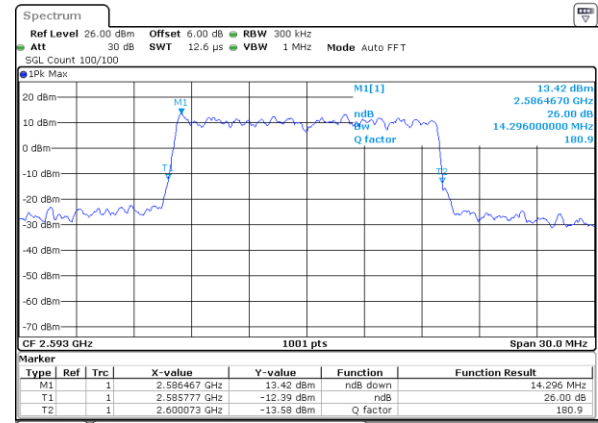
Date: 12.OCT.2023 23:38:34

Middle Channel / 15MHz / QPSK



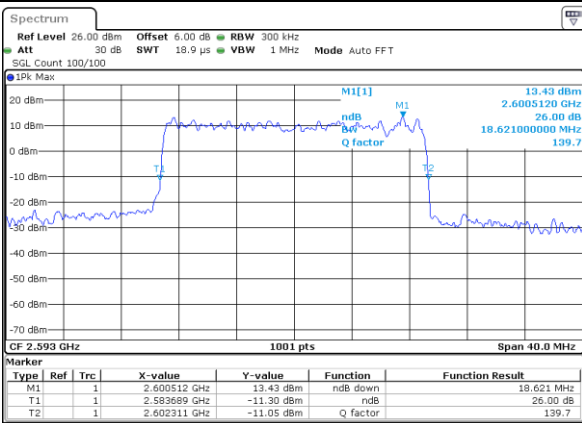
Date: 12.OCT.2023 23:39:37

Middle Channel / 15MHz / 16QAM



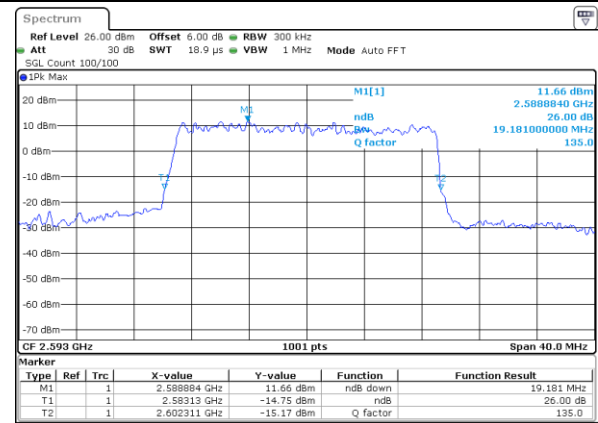
Date: 12.OCT.2023 23:39:58

Middle Channel / 20MHz / QPSK



Date: 12.OCT.2023 23:41:01

Middle Channel / 20MHz / 16QAM

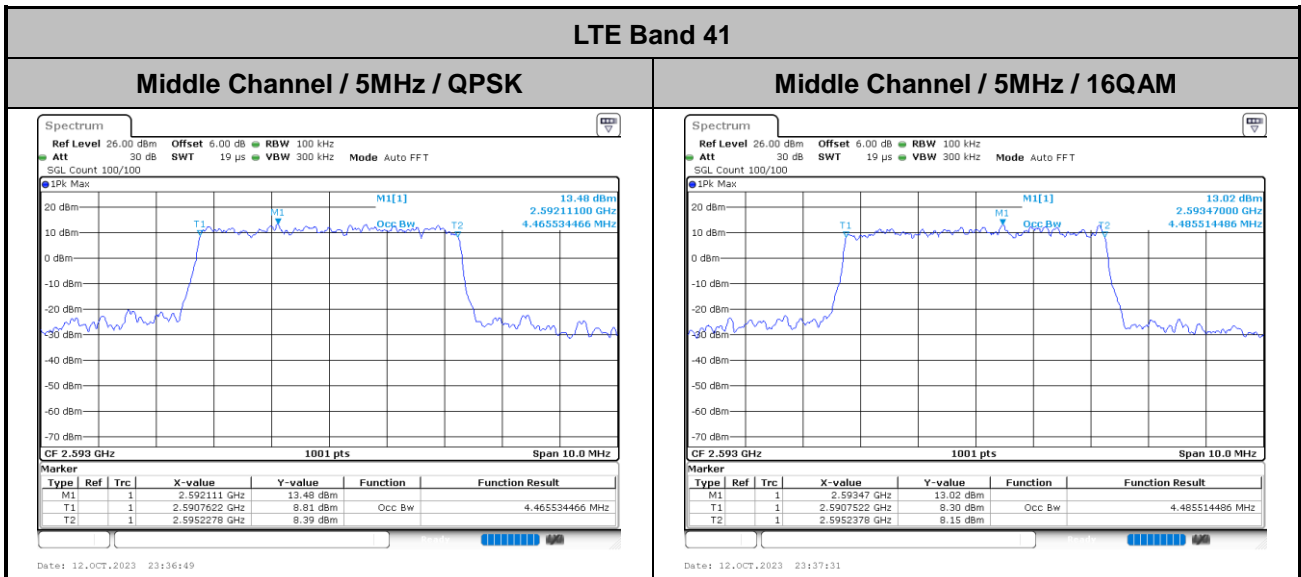


Date: 12.OCT.2023 23:41:22



## Occupied Bandwidth

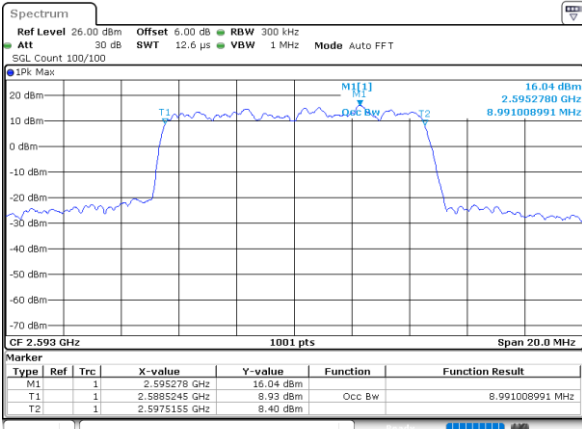
Mode	LTE Band 41 : 99%OBW(MHz)	
<b>BW</b>	<b>5MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	4.47	4.49
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	8.99	9.07
<b>BW</b>	<b>15MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	13.43	13.49
<b>BW</b>	<b>20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	17.86	17.86





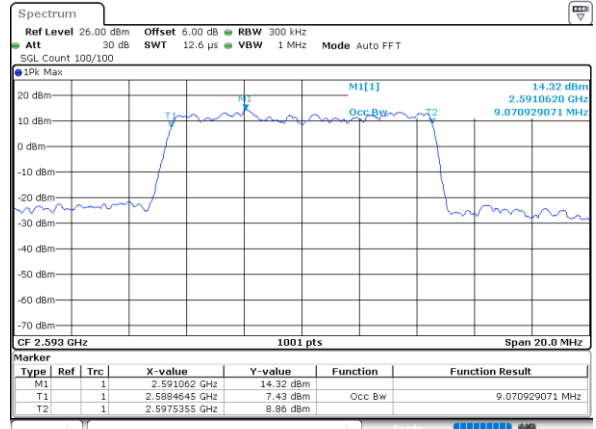
LTE Band 41

Middle Channel / 10MHz / QPSK



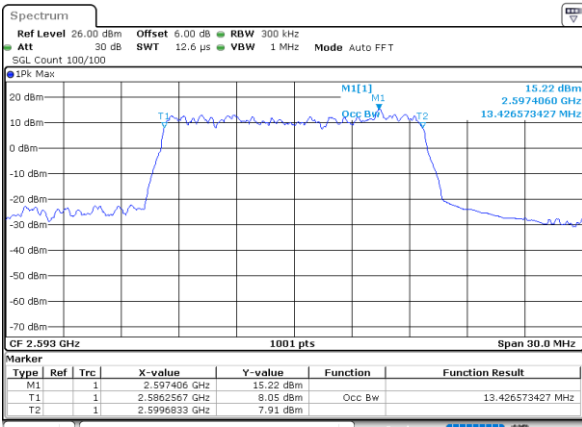
Date: 12.OCT.2023 23:37:52

Middle Channel / 10MHz / 16QAM



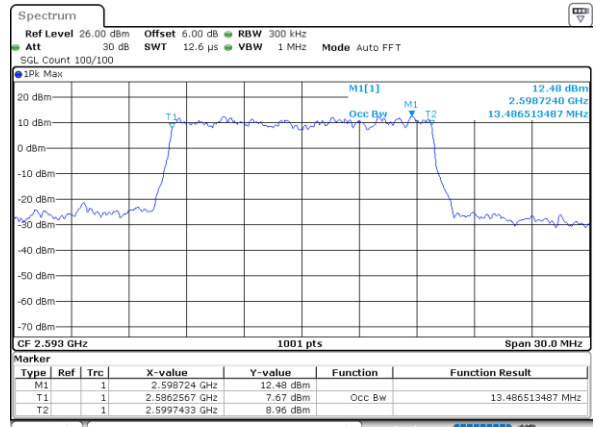
Date: 12.OCT.2023 23:38:55

Middle Channel / 15MHz / QPSK



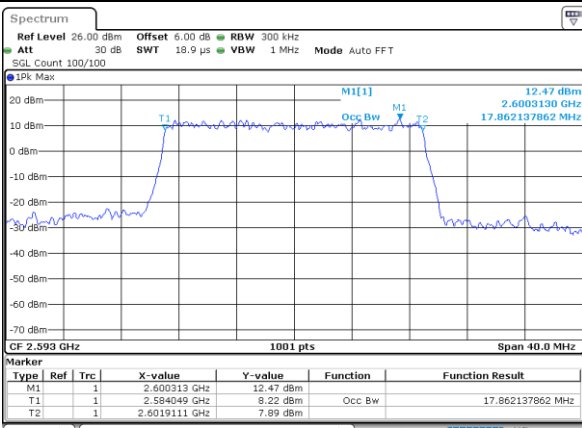
Date: 12.OCT.2023 23:39:17

Middle Channel / 15MHz / 16QAM



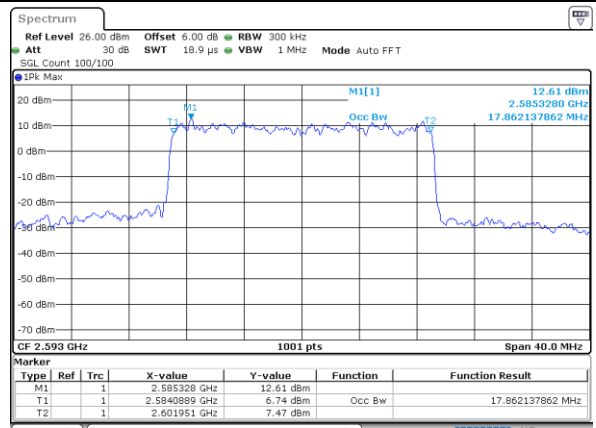
Date: 12.OCT.2023 23:40:19

Middle Channel / 20MHz / QPSK



Date: 12.OCT.2023 23:40:41

Middle Channel / 20MHz / 16QAM

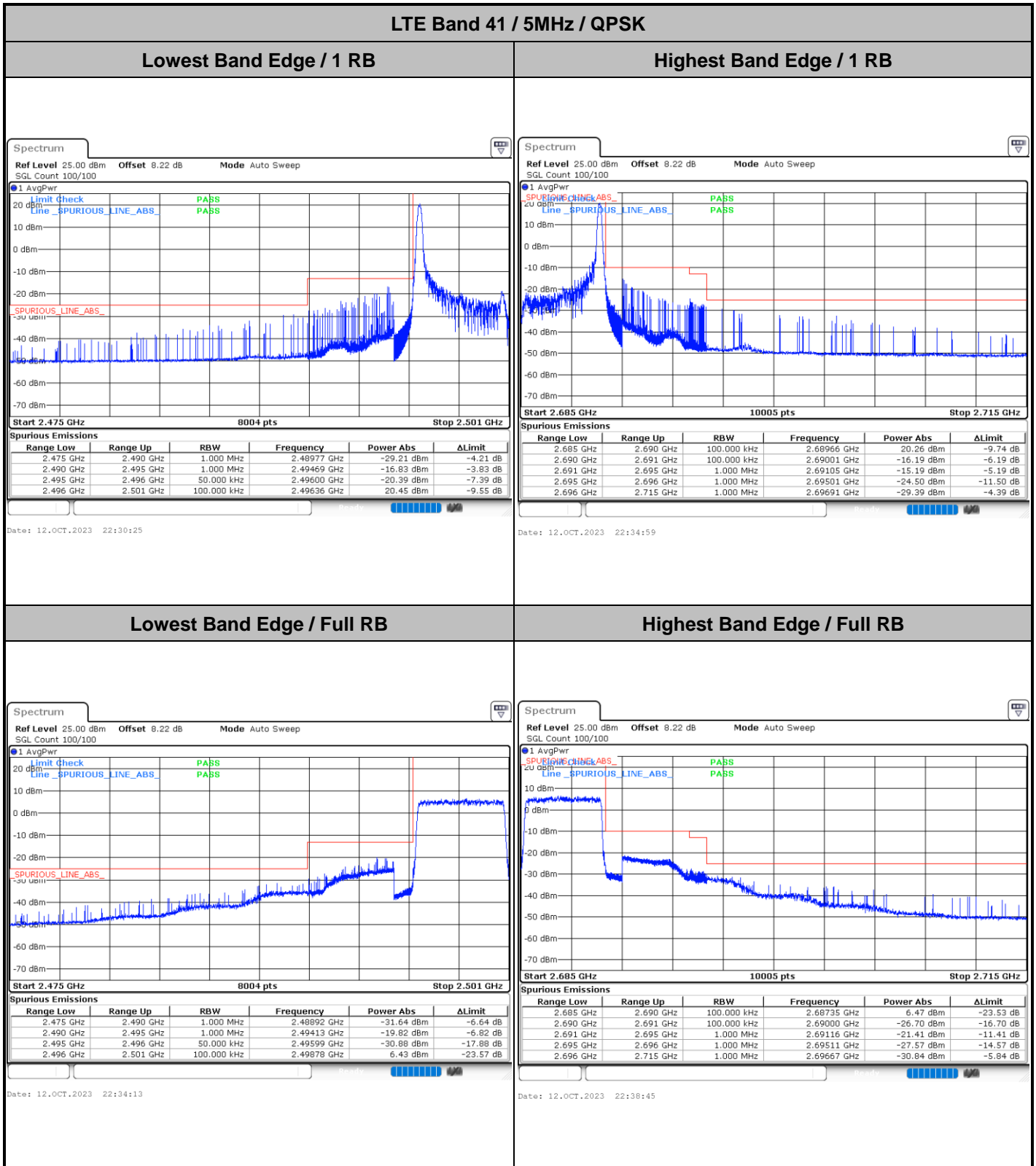


Date: 12.OCT.2023 23:41:43





# Conducted Band Edge

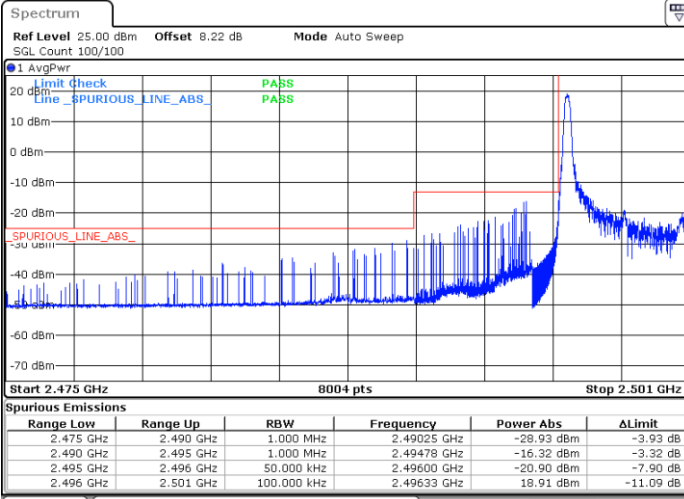




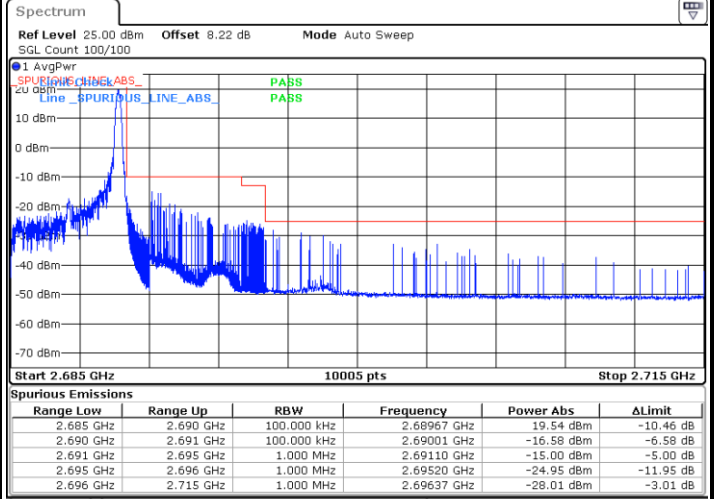
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB



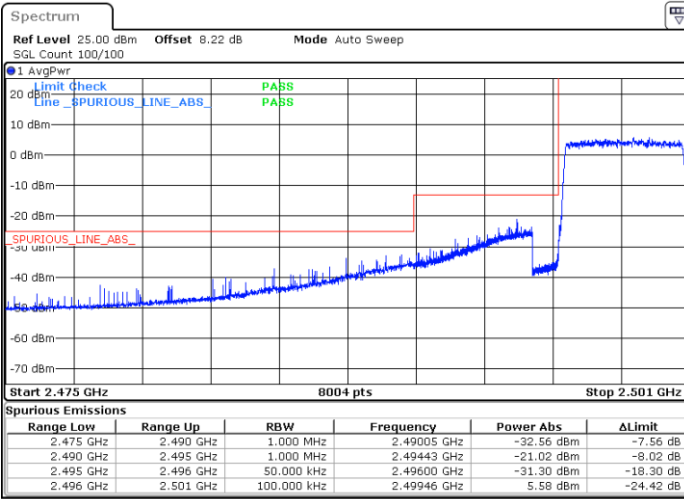
Date: 12.OCT.2023 22:31:10



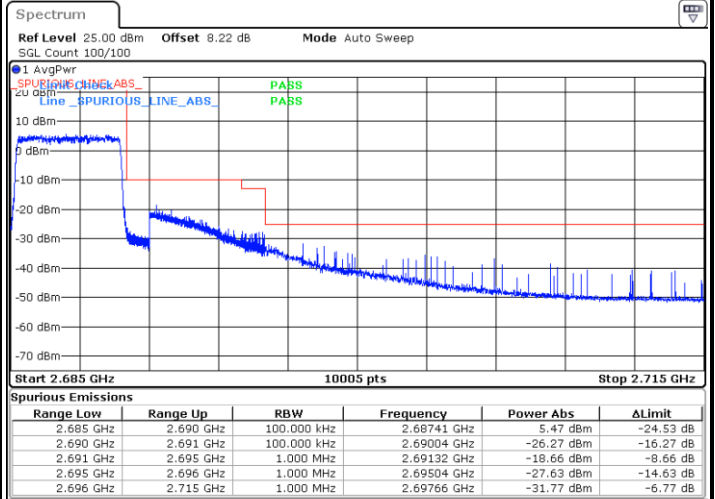
Date: 12.OCT.2023 22:35:44

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 12.OCT.2023 22:33:27

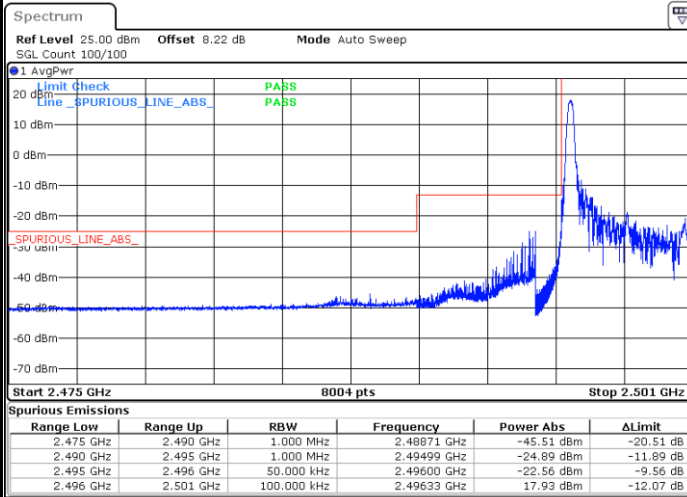


Date: 12.OCT.2023 22:37:59



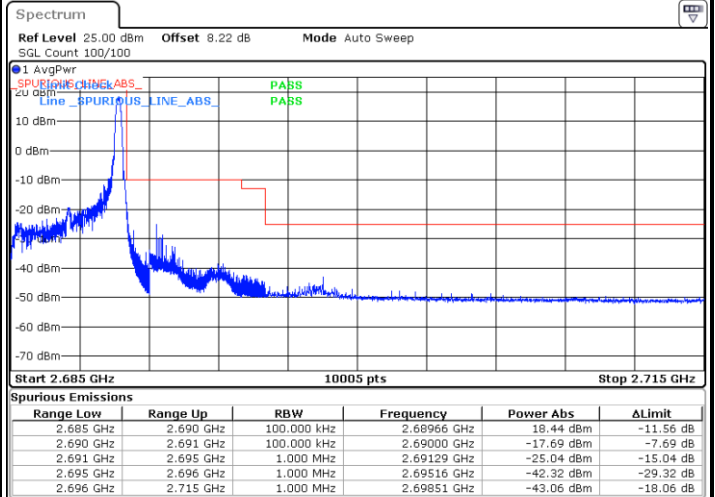
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



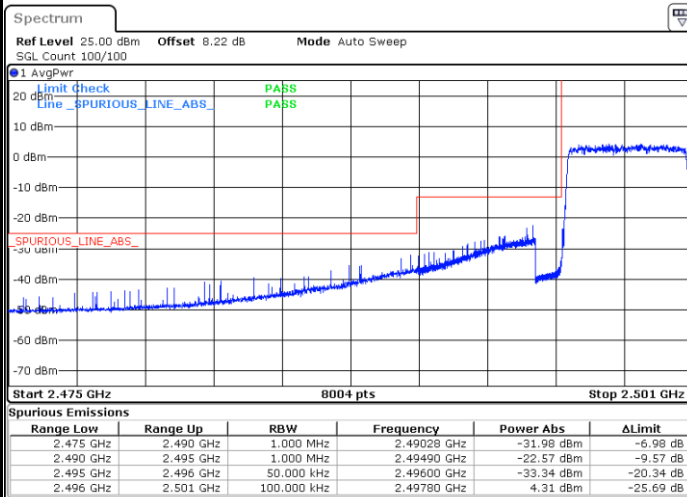
Date: 12.OCT.2023 22:31:56

Highest Band Edge / 1 RB



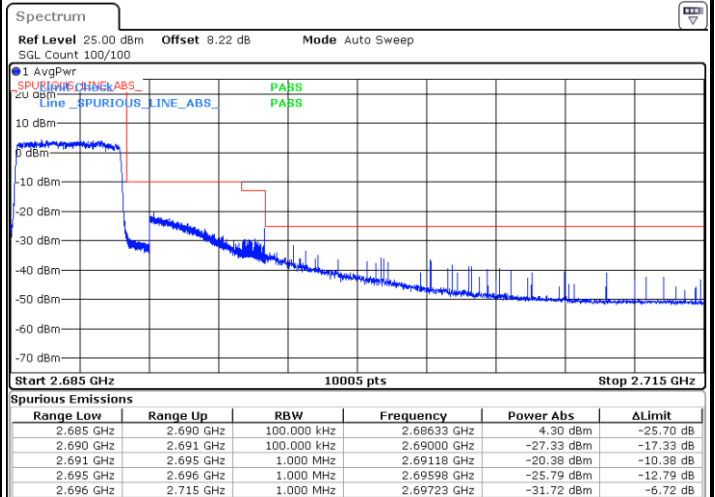
Date: 12.OCT.2023 22:36:29

Lowest Band Edge / Full RB



Date: 12.OCT.2023 22:32:42

Highest Band Edge / Full RB

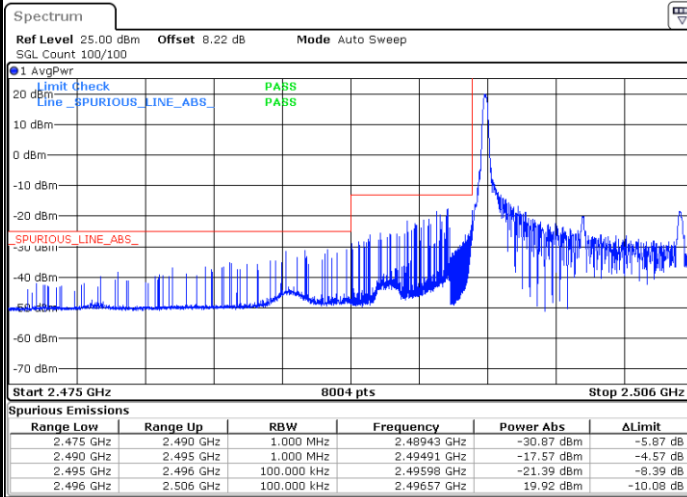


Date: 12.OCT.2023 22:37:14



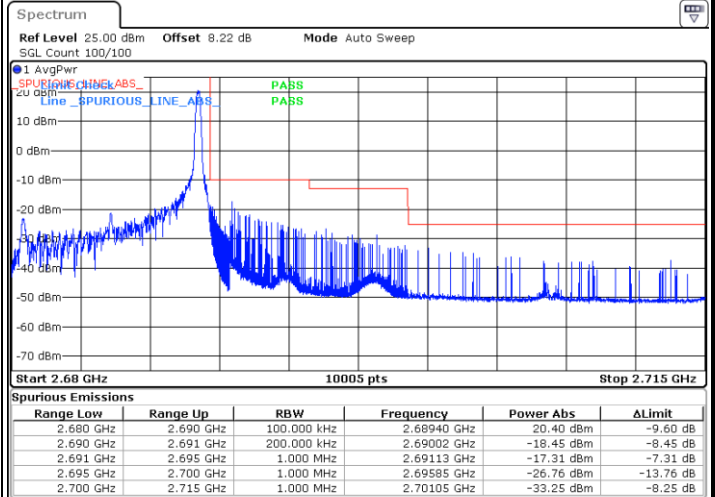
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



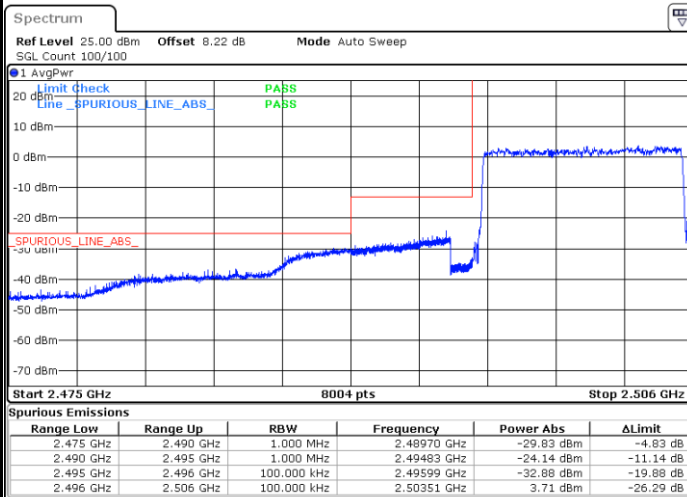
Date: 12.OCT.2023 22:39:31

Highest Band Edge / 1 RB



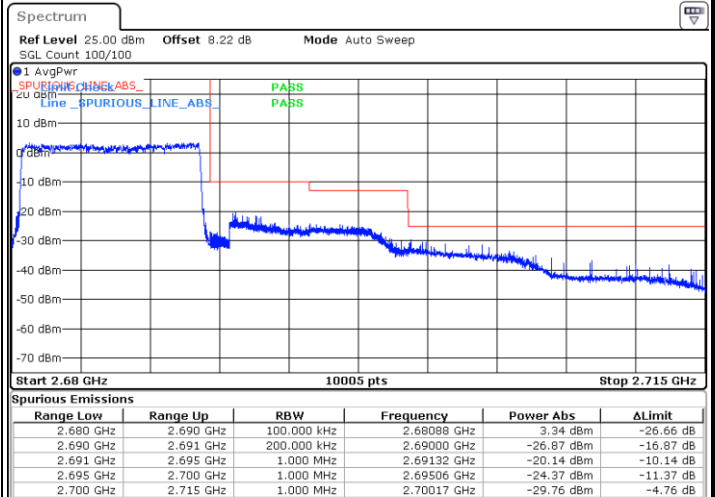
Date: 12.OCT.2023 22:44:04

Lowest Band Edge / Full RB



Date: 12.OCT.2023 22:41:47

Highest Band Edge / Full RB



Date: 12.OCT.2023 22:46:20