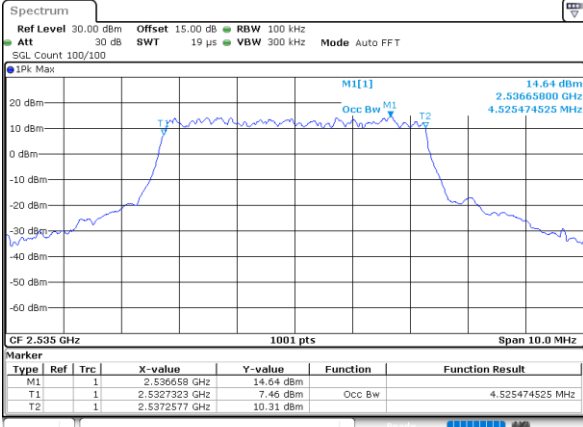




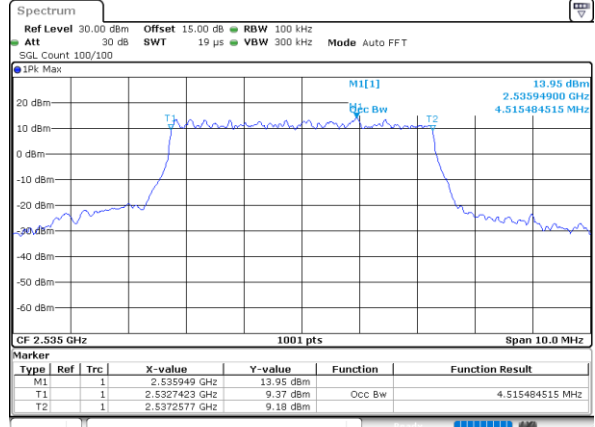
LTE Band 7

Middle Channel / 5MHz / QPSK



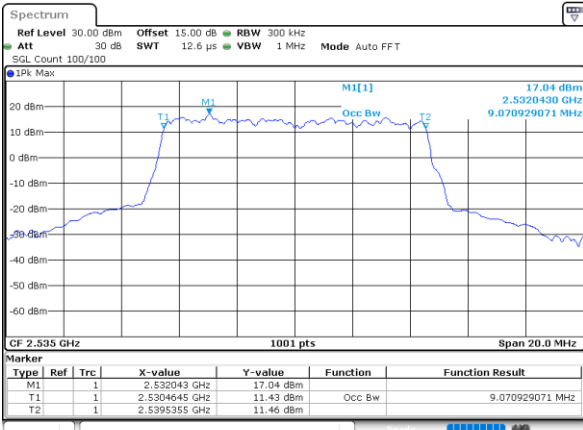
Date: 7\_MAR.2024 07:40:09

Middle Channel / 5MHz / 16QAM



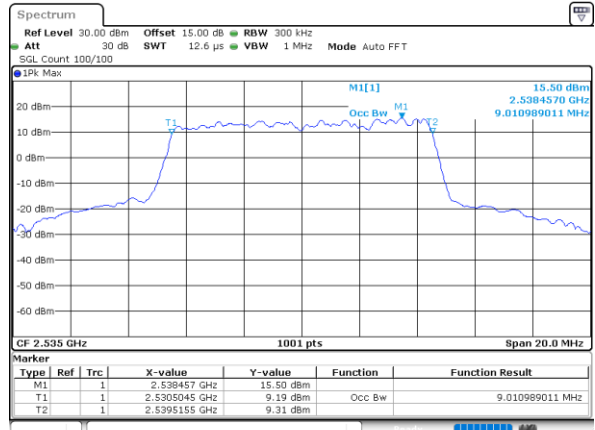
Date: 7\_MAR.2024 07:40:49

Middle Channel / 10MHz / QPSK



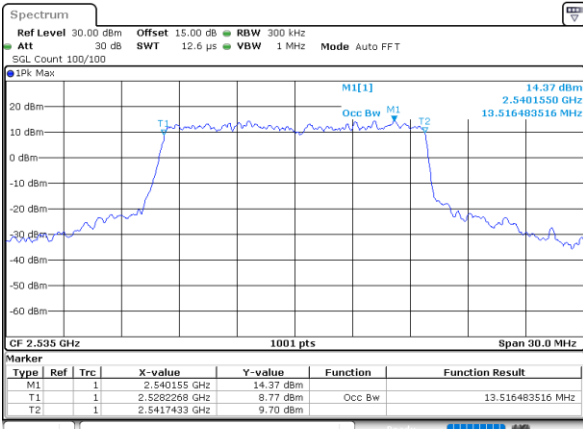
Date: 7\_MAR.2024 07:54:49

Middle Channel / 10MHz / 16QAM



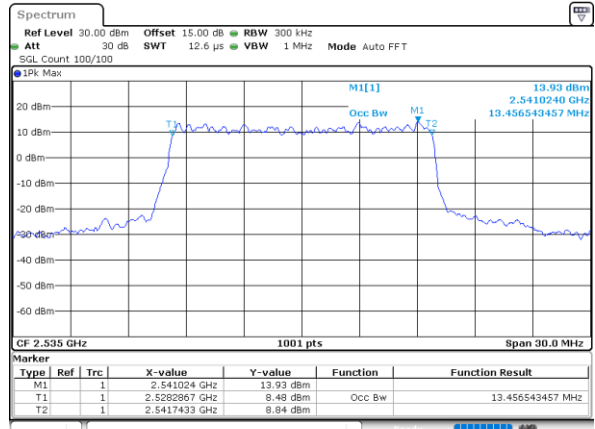
Date: 7\_MAR.2024 07:55:29

Middle Channel / 15MHz / QPSK



Date: 7\_MAR.2024 08:09:32

Middle Channel / 15MHz / 16QAM

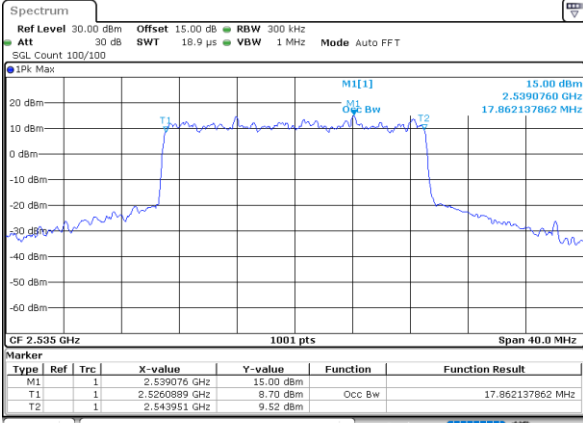


Date: 7\_MAR.2024 08:10:12



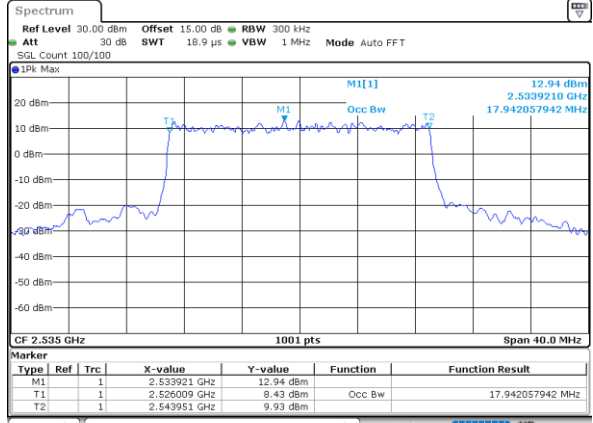
LTE Band 7

Middle Channel / 20MHz / QPSK



Date: 7.MAR.2024 08:24:15

Middle Channel / 20MHz / 16QAM



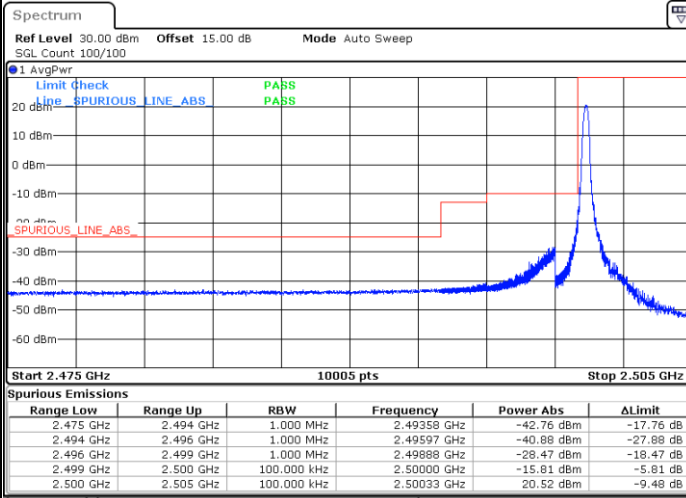
Date: 7.MAR.2024 08:24:54



# Conducted Band Edge

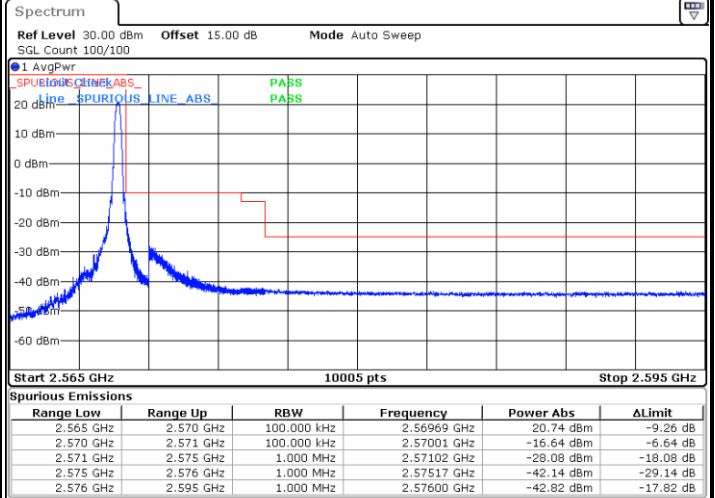
## LTE Band 7 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



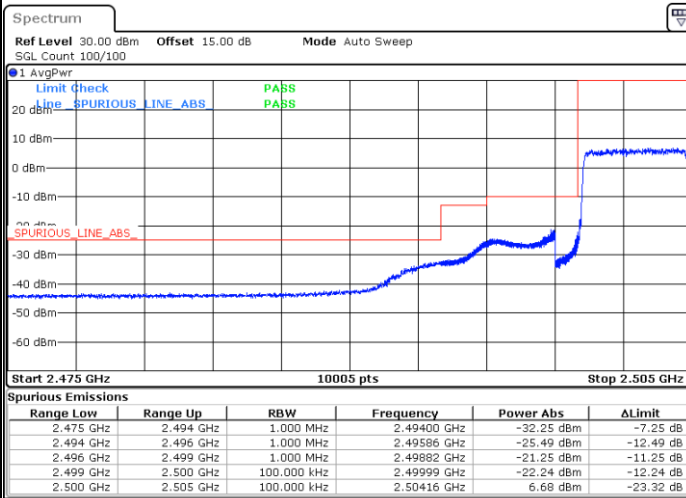
Date: 7.MAR.2024 07:33:35

### Highest Band Edge / 1 RB



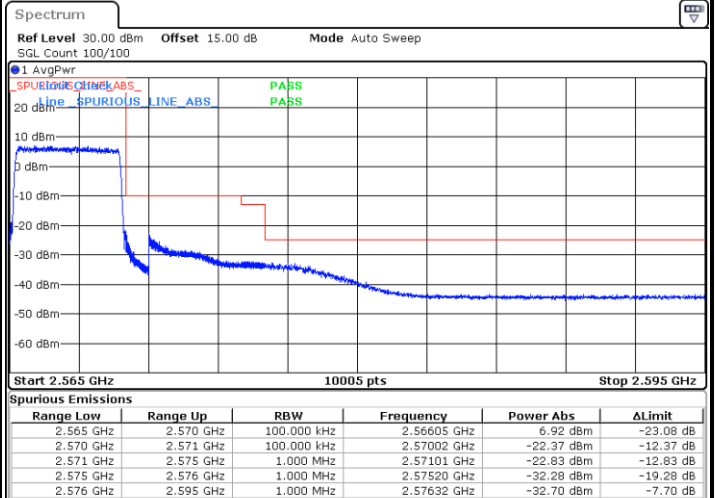
Date: 7.MAR.2024 07:41:47

### Lowest Band Edge / Full RB



Date: 7.MAR.2024 07:35:57

### Highest Band Edge / Full RB

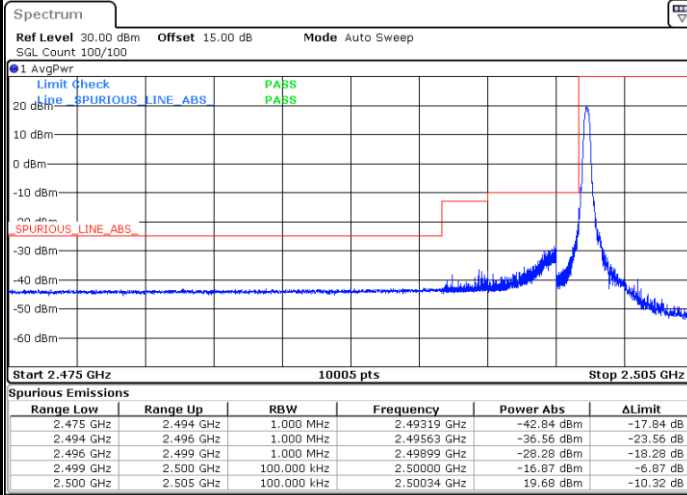


Date: 7.MAR.2024 07:44:09



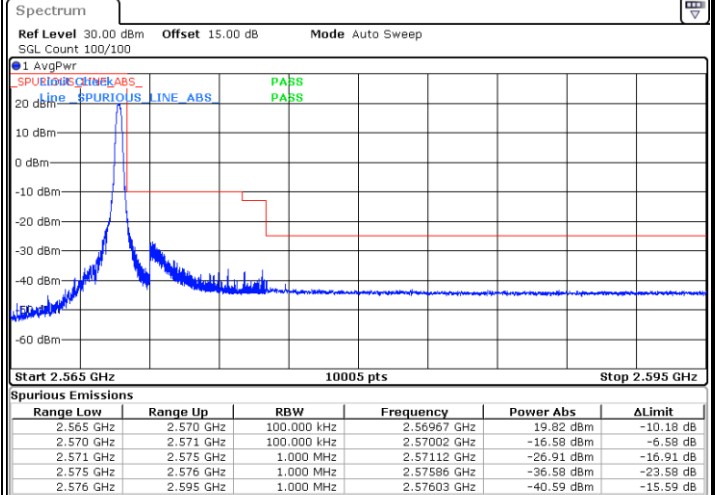
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



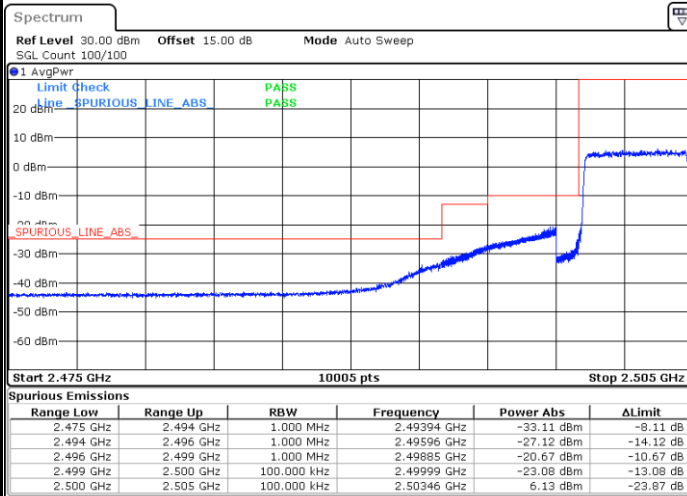
Date: 7.MAR.2024 07:34:22

Highest Band Edge / 1 RB



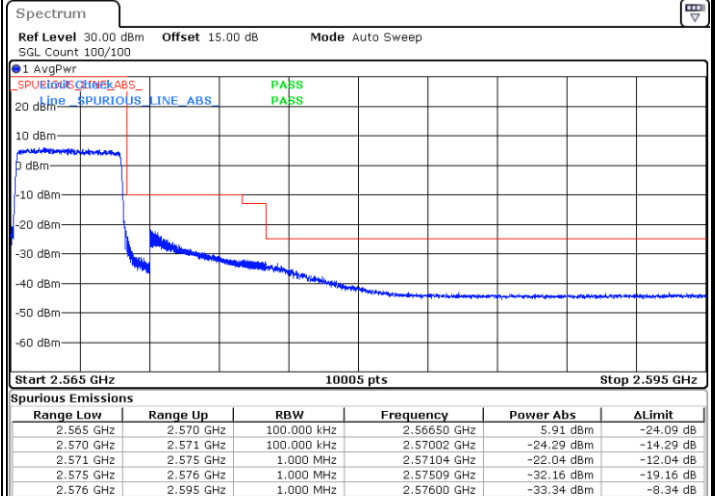
Date: 7.MAR.2024 07:42:34

Lowest Band Edge / Full RB



Date: 7.MAR.2024 07:36:44

Highest Band Edge / Full RB

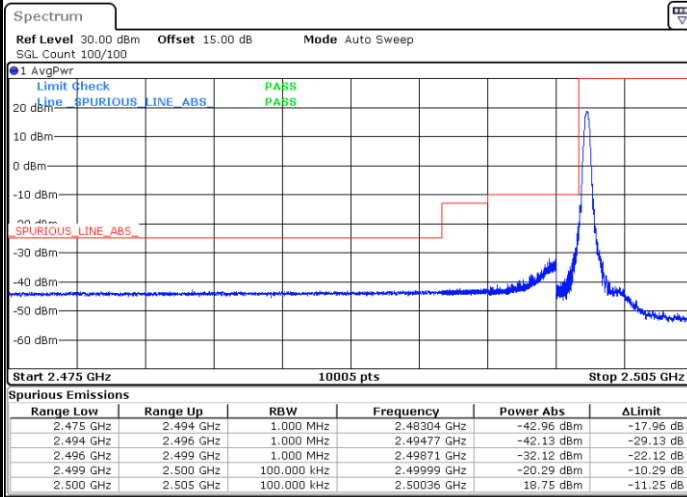


Date: 7.MAR.2024 07:44:56



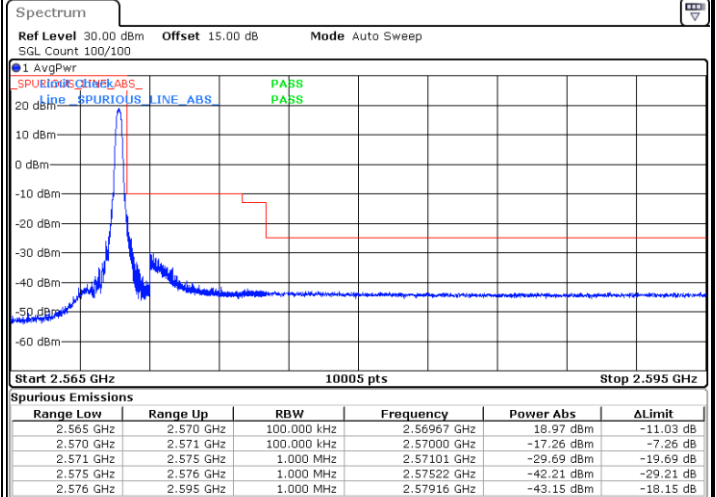
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



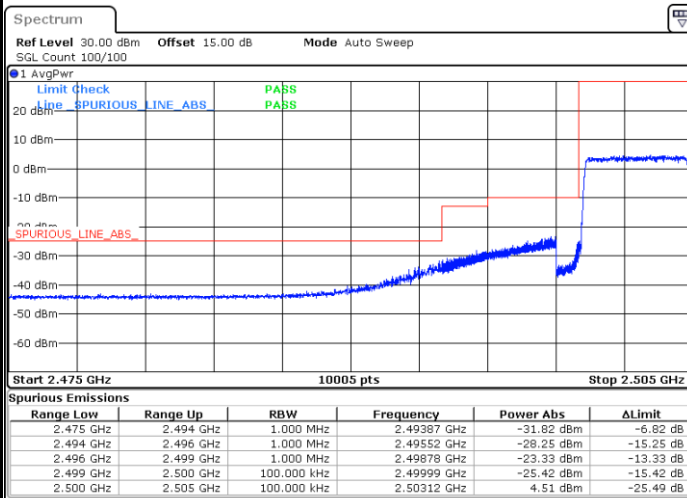
Date: 7.MAR.2024 07:35:10

Highest Band Edge / 1 RB



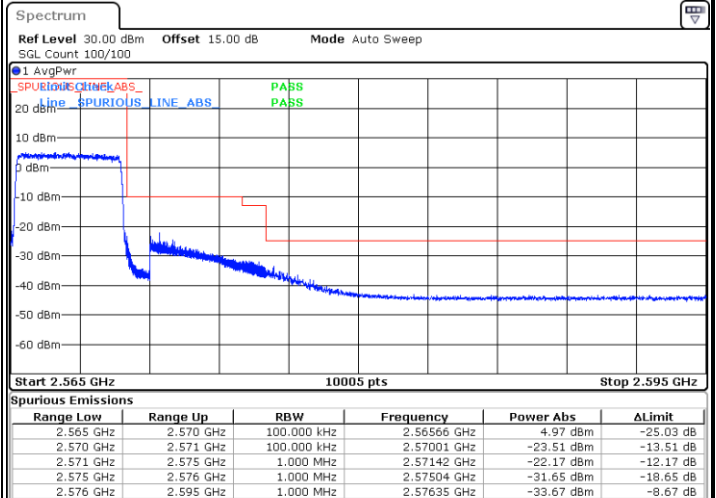
Date: 7.MAR.2024 07:43:22

Lowest Band Edge / Full RB



Date: 7.MAR.2024 07:37:32

Highest Band Edge / Full RB

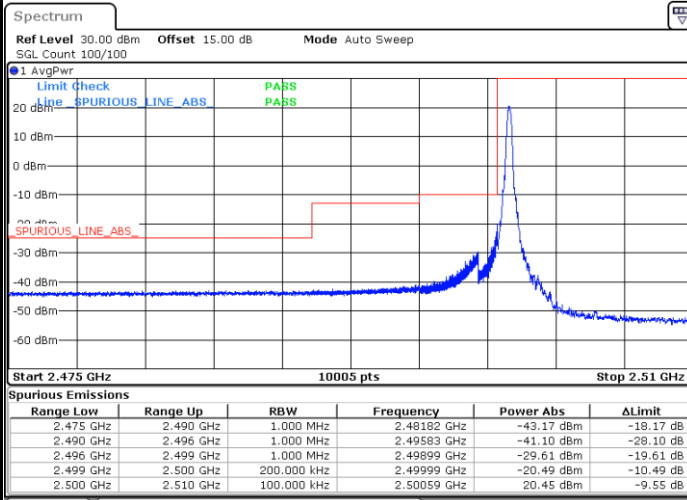


Date: 7.MAR.2024 07:45:43



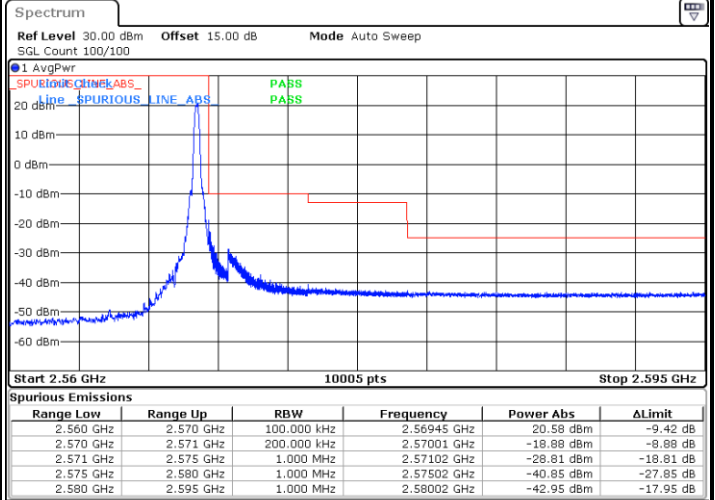
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



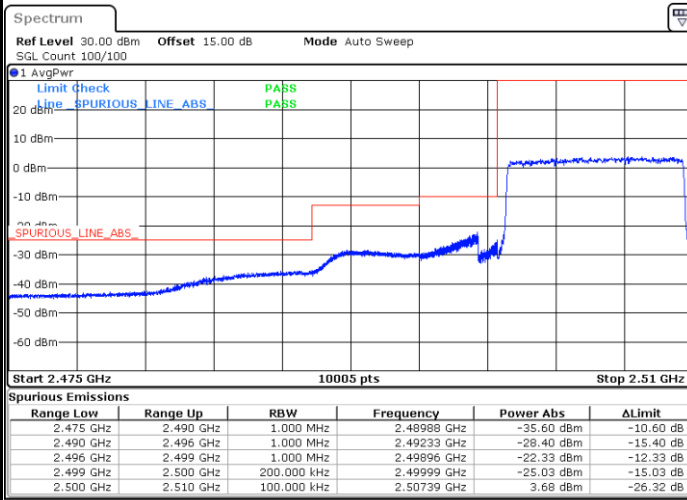
Date: 7.MAR.2024 07:48:17

Highest Band Edge / 1 RB



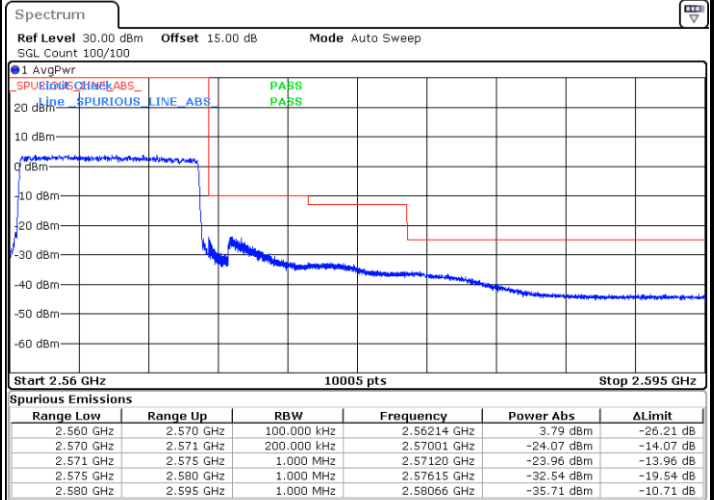
Date: 7.MAR.2024 07:56:27

Lowest Band Edge / Full RB



Date: 7.MAR.2024 07:50:40

Highest Band Edge / Full RB

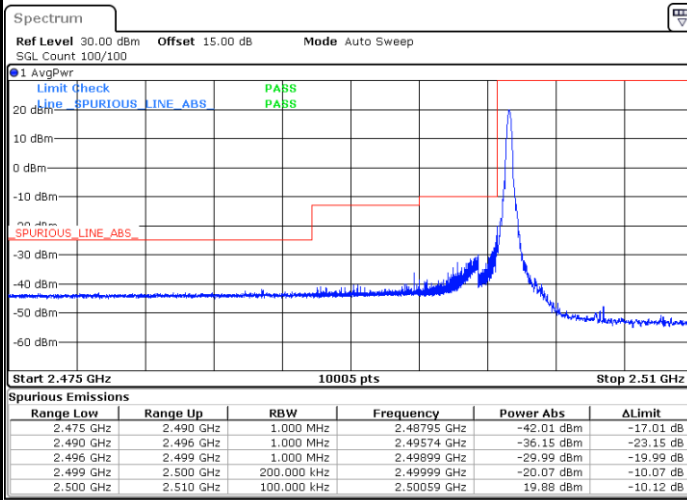


Date: 7.MAR.2024 07:58:49



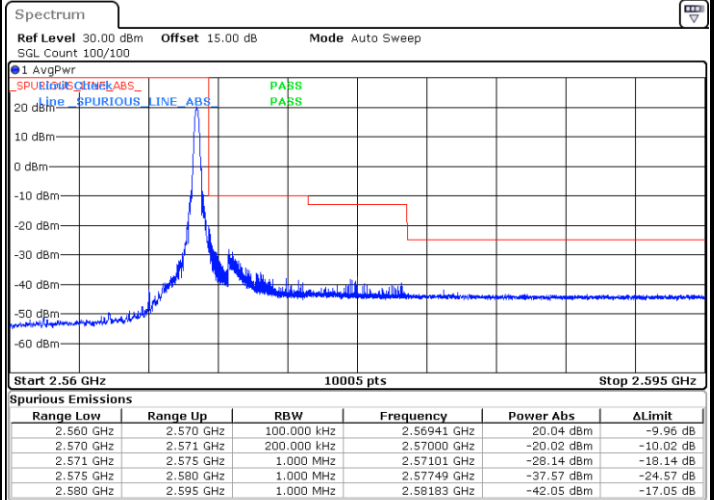
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1RB



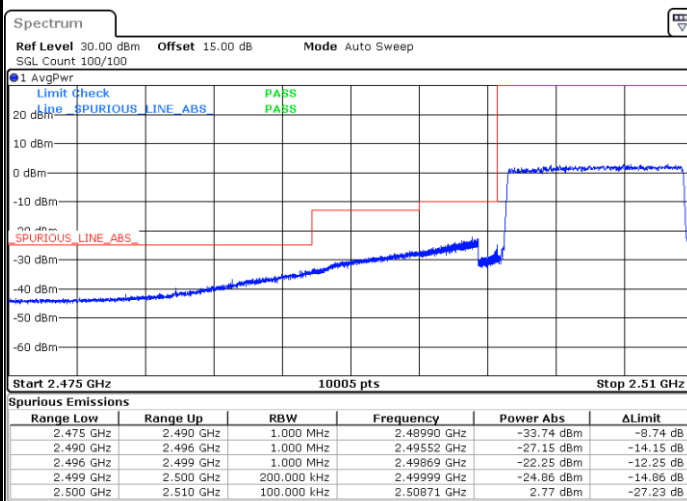
Date: 7.MAR.2024 07:49:04

Highest Band Edge / 1 RB



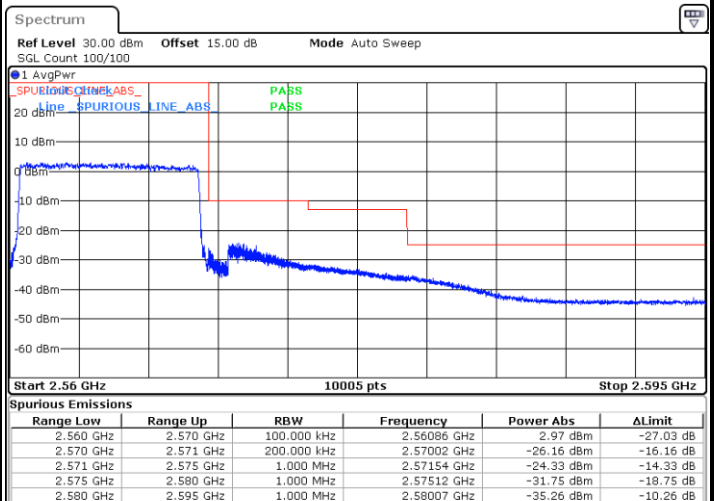
Date: 7.MAR.2024 07:57:15

Lowest Band Edge / Full RB



Date: 7.MAR.2024 07:51:27

Highest Band Edge / Full RB

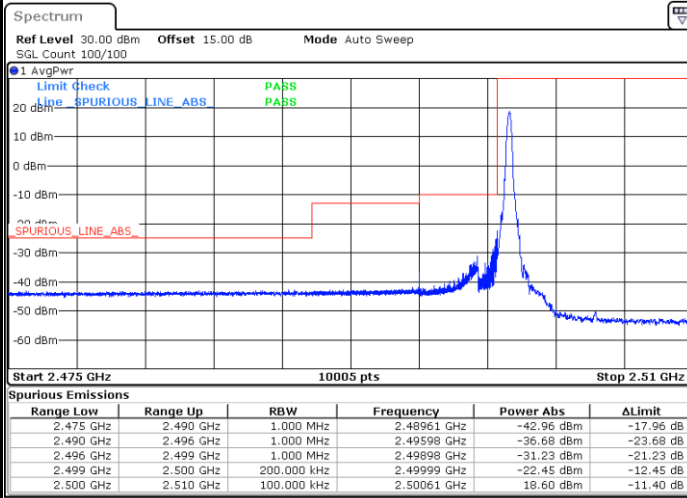


Date: 7.MAR.2024 07:59:36



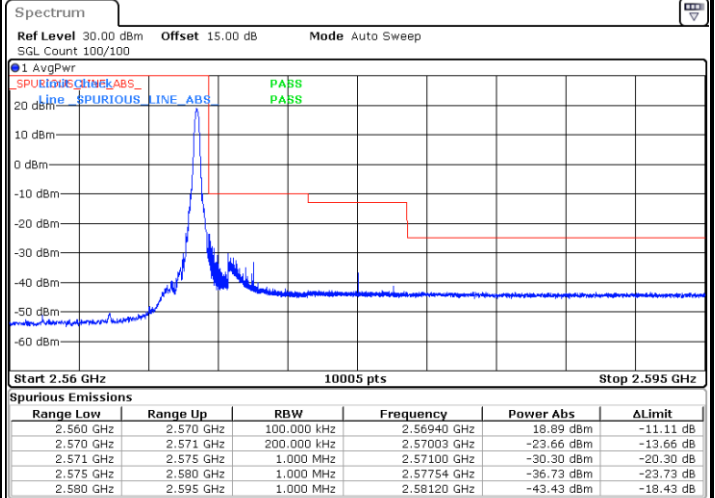
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1RB



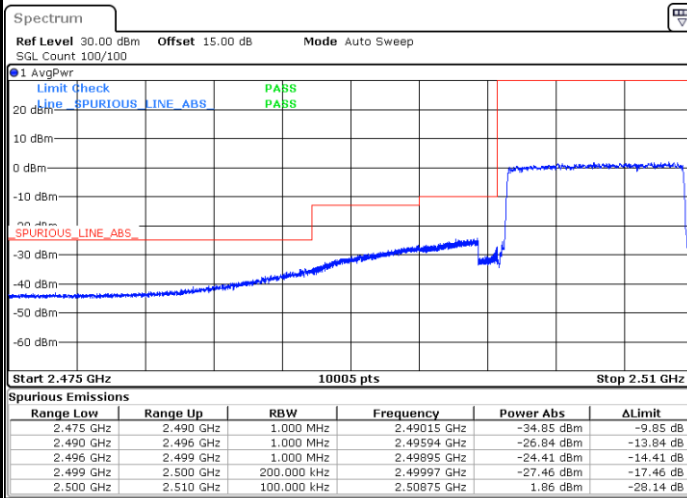
Date: 7.MAR.2024 07:49:52

Highest Band Edge / 1 RB



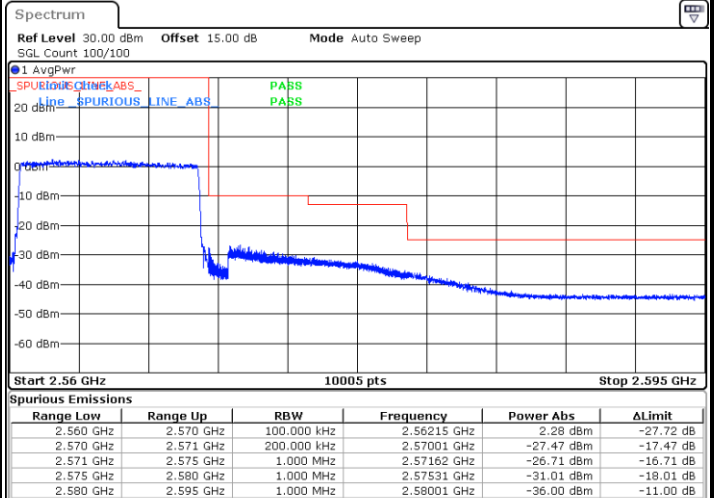
Date: 7.MAR.2024 07:58:02

Lowest Band Edge / Full RB



Date: 7.MAR.2024 07:52:14

Highest Band Edge / Full RB



Date: 7.MAR.2024 08:00:23

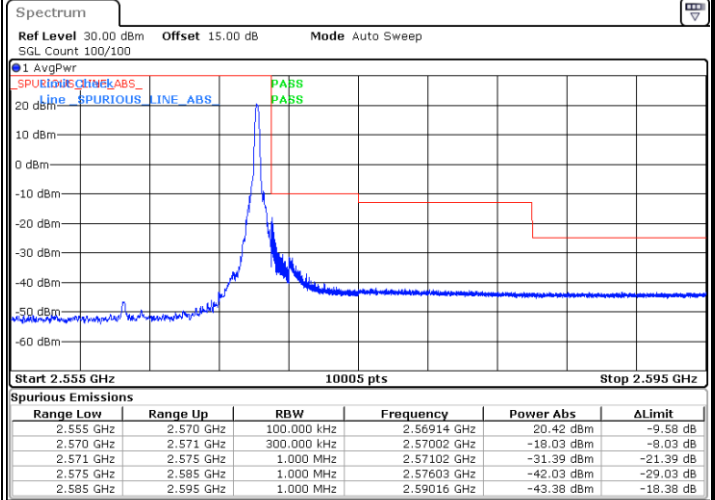
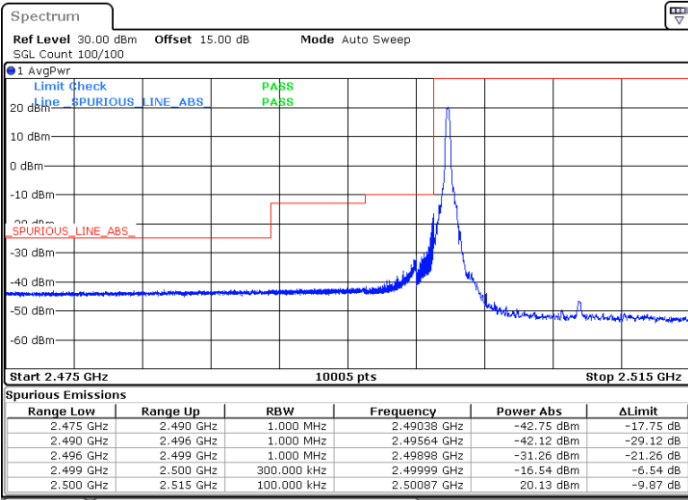




LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

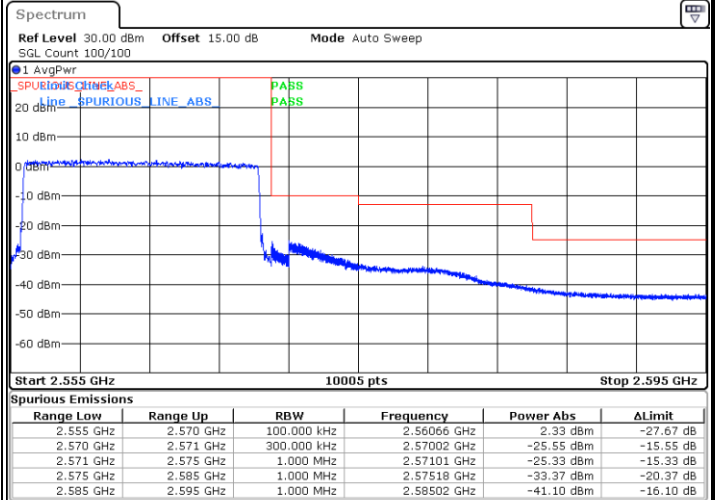
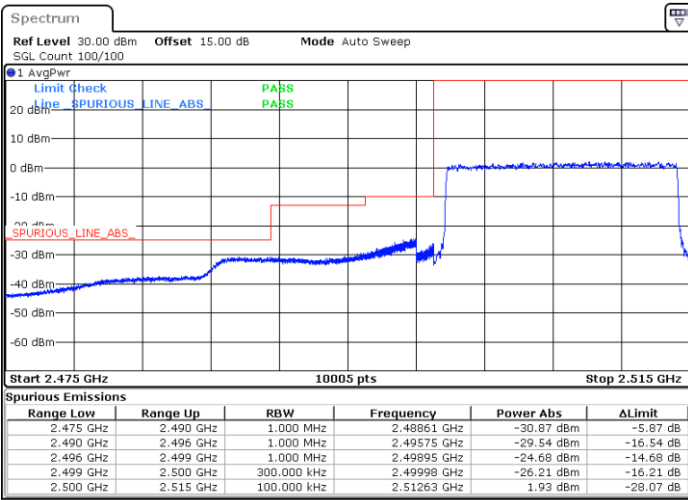


Date: 7.MAR.2024 08:02:59

Date: 7.MAR.2024 08:11:11

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



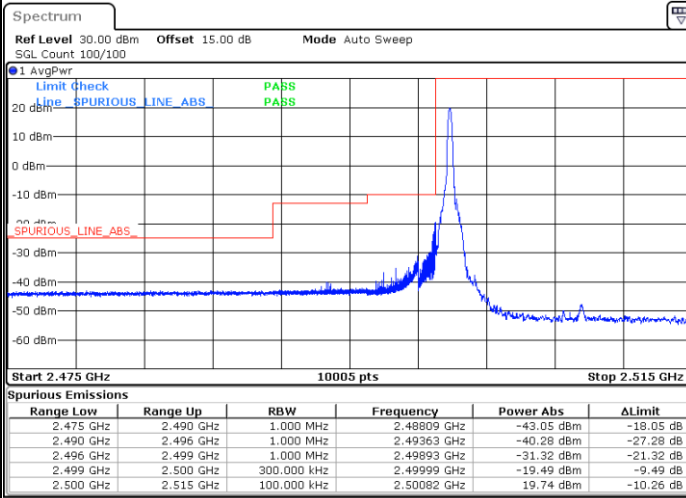
Date: 7.MAR.2024 08:05:22

Date: 7.MAR.2024 08:13:32



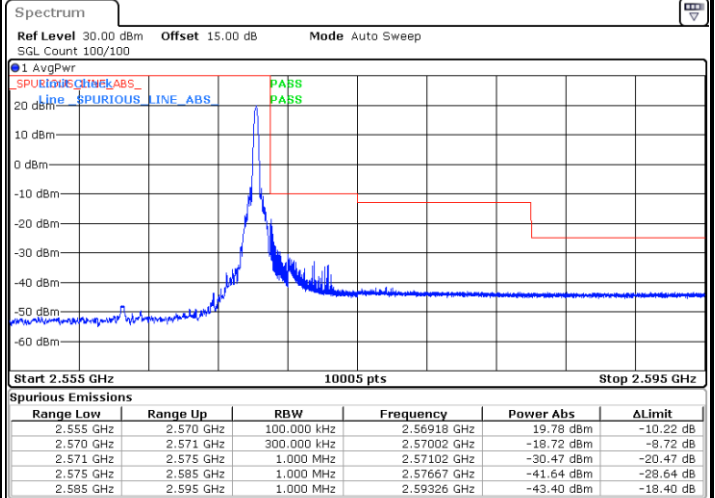
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1RB



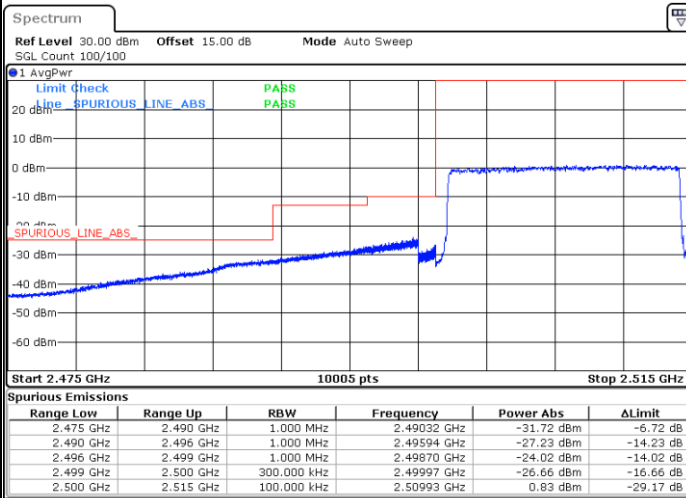
Date: 7.MAR.2024 08:03:47

Highest Band Edge / 1 RB



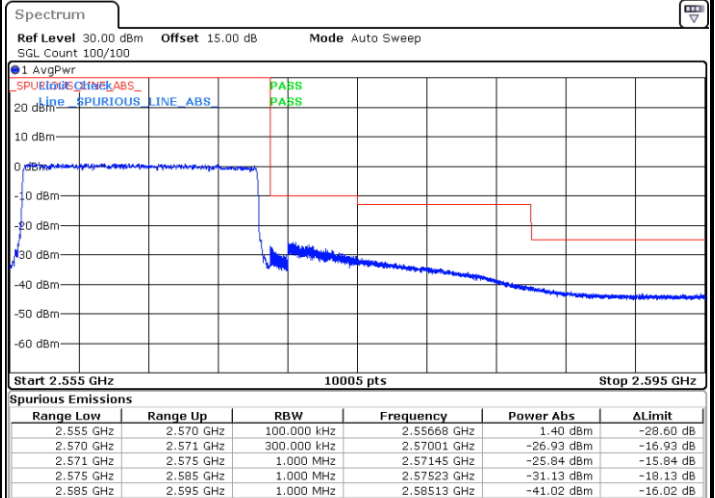
Date: 7.MAR.2024 08:11:58

Lowest Band Edge / Full RB



Date: 7.MAR.2024 08:06:09

Highest Band Edge / Full RB

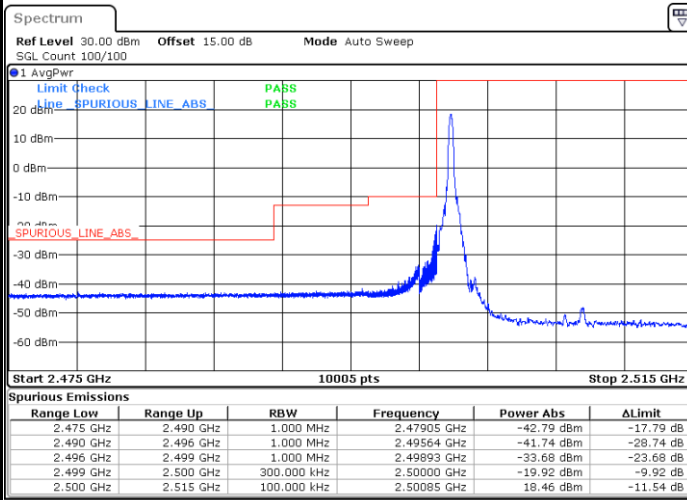


Date: 7.MAR.2024 08:14:19



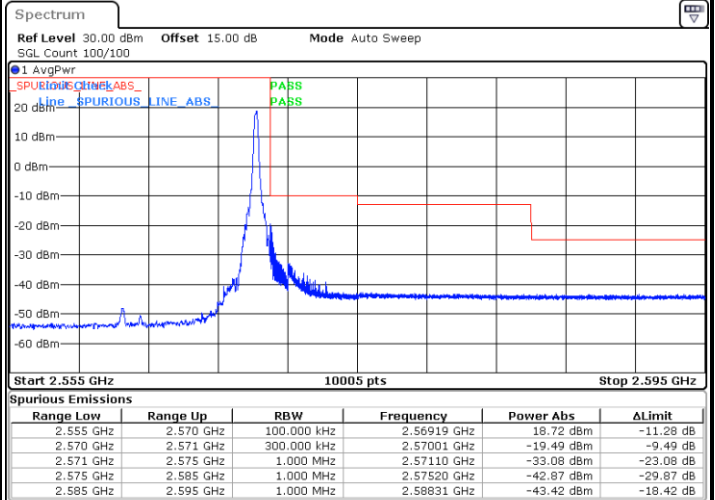
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1RB



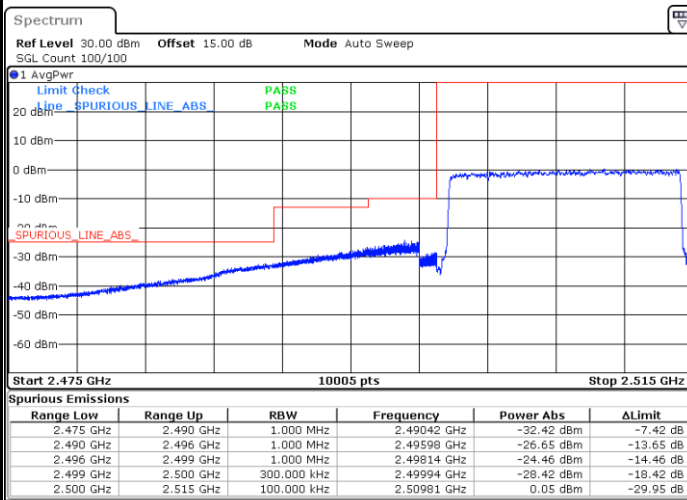
Date: 7.MAR.2024 08:04:34

Highest Band Edge / 1 RB



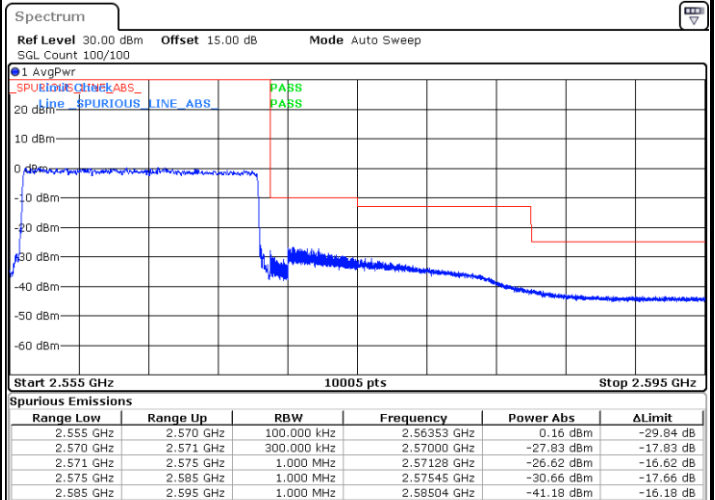
Date: 7.MAR.2024 08:12:45

Lowest Band Edge / Full RB



Date: 7.MAR.2024 08:06:57

Highest Band Edge / Full RB

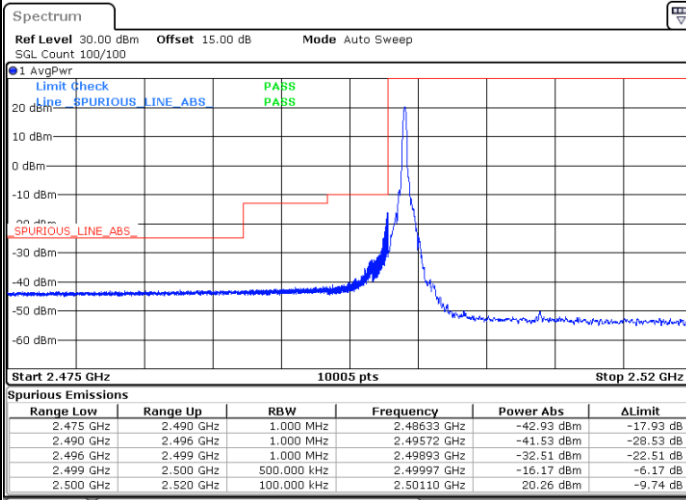


Date: 7.MAR.2024 08:15:06



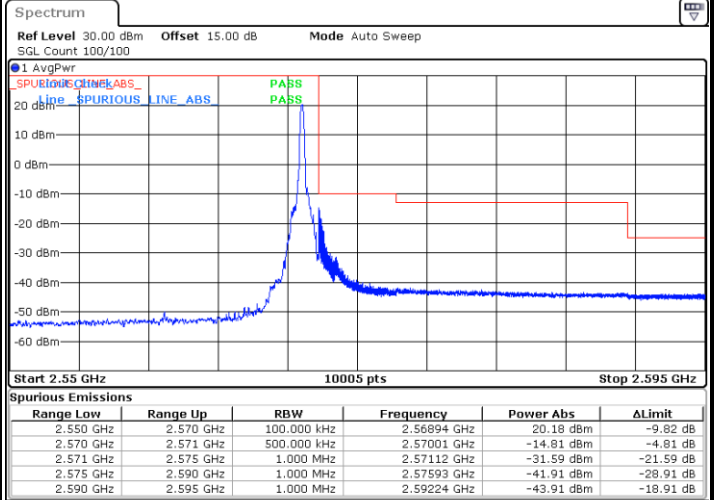
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



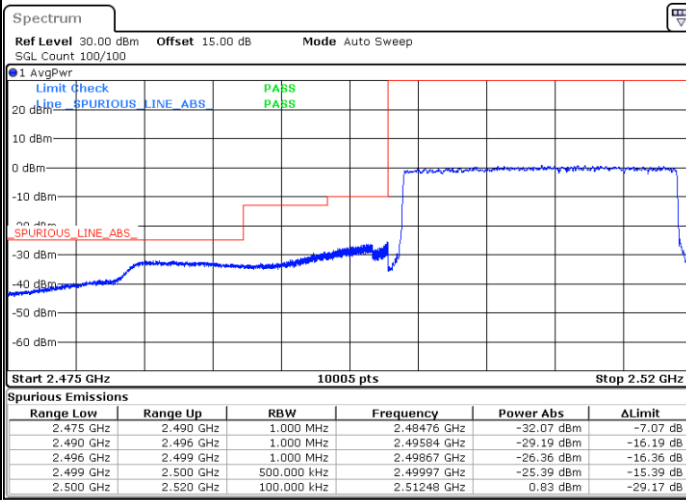
Date: 7.MAR.2024 08:17:42

Highest Band Edge / 1 RB



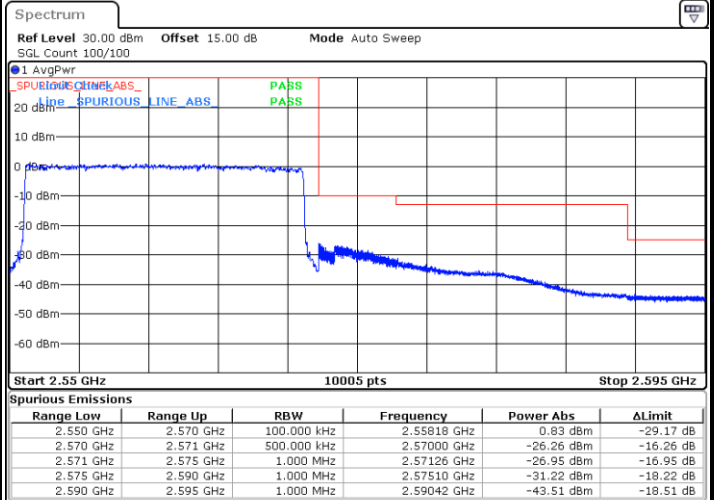
Date: 7.MAR.2024 08:27:16

Lowest Band Edge / Full RB



Date: 7.MAR.2024 08:20:05

Highest Band Edge / Full RB

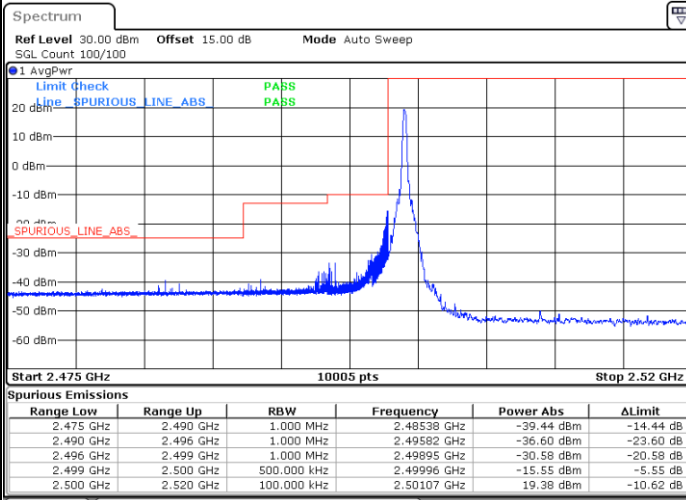


Date: 7.MAR.2024 08:29:38



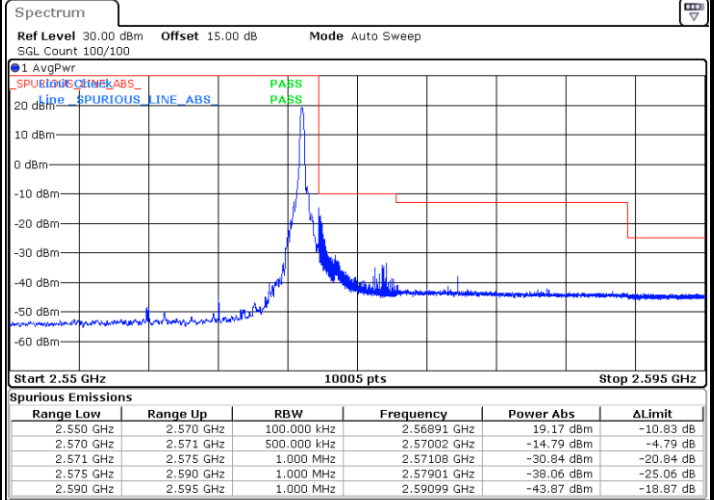
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1RB



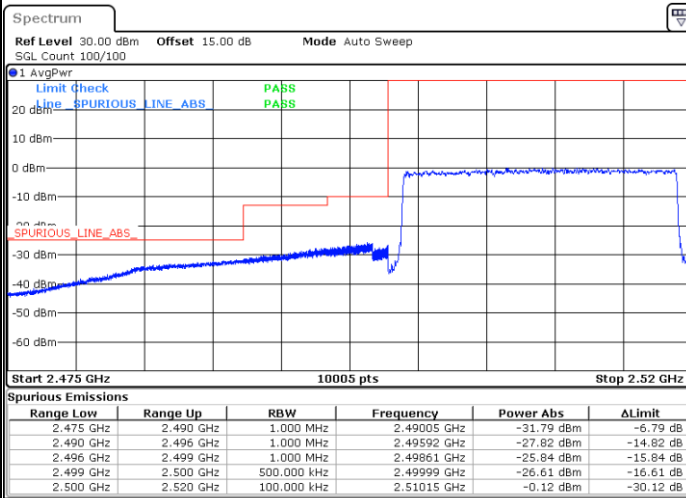
Date: 7.MAR.2024 08:18:30

Highest Band Edge / 1 RB



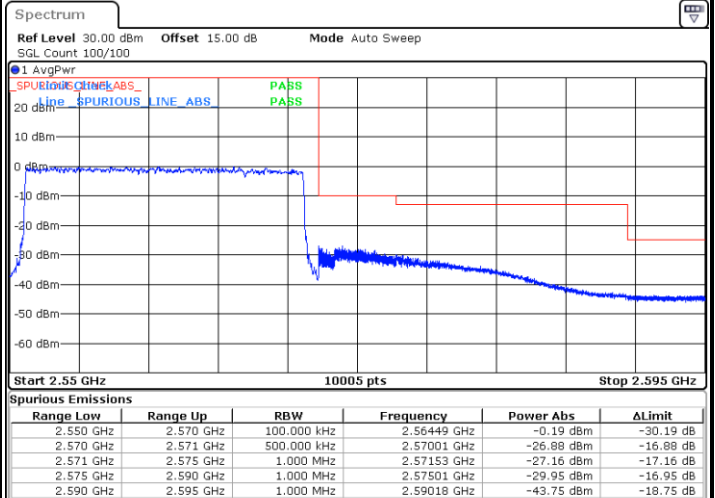
Date: 7.MAR.2024 08:28:03

Lowest Band Edge / Full RB



Date: 7.MAR.2024 08:20:52

Highest Band Edge / Full RB

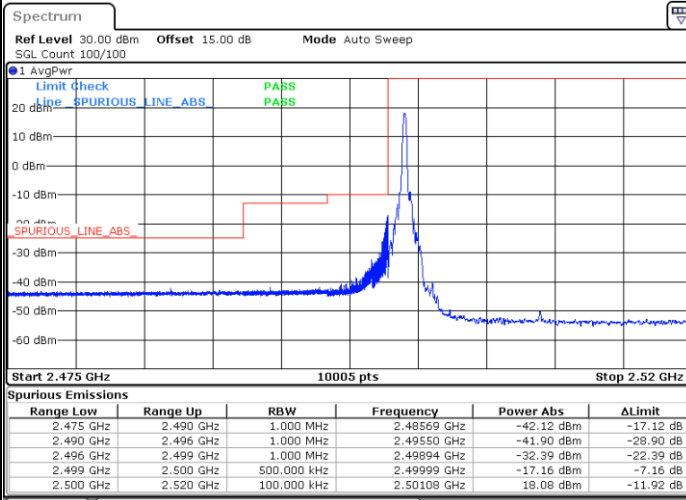


Date: 7.MAR.2024 08:30:25



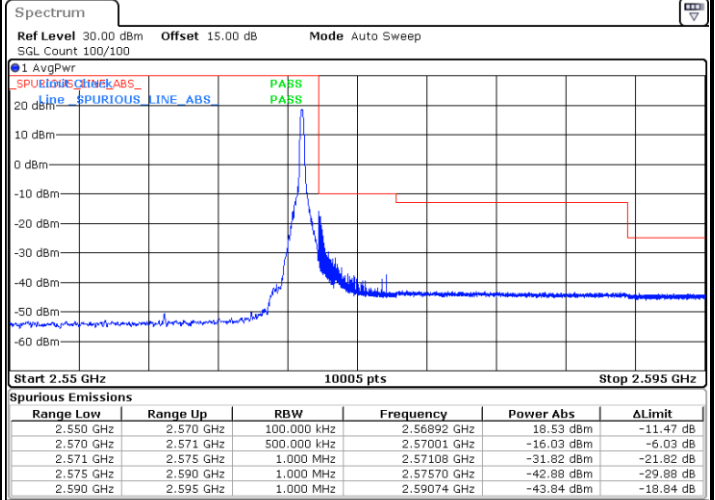
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1RB



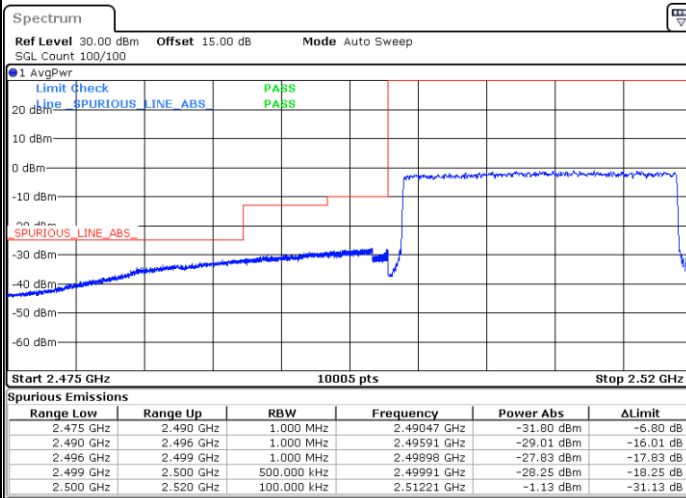
Date: 7.MAR.2024 08:19:17

Highest Band Edge / 1 RB



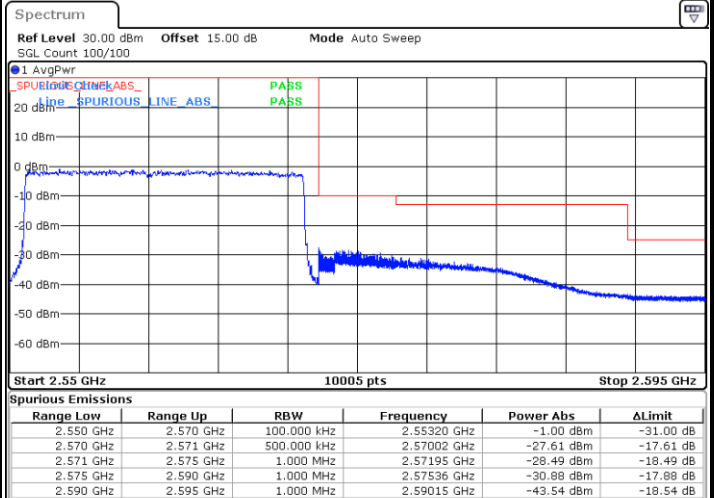
Date: 7.MAR.2024 08:28:51

Lowest Band Edge / Full RB



Date: 7.MAR.2024 08:21:40

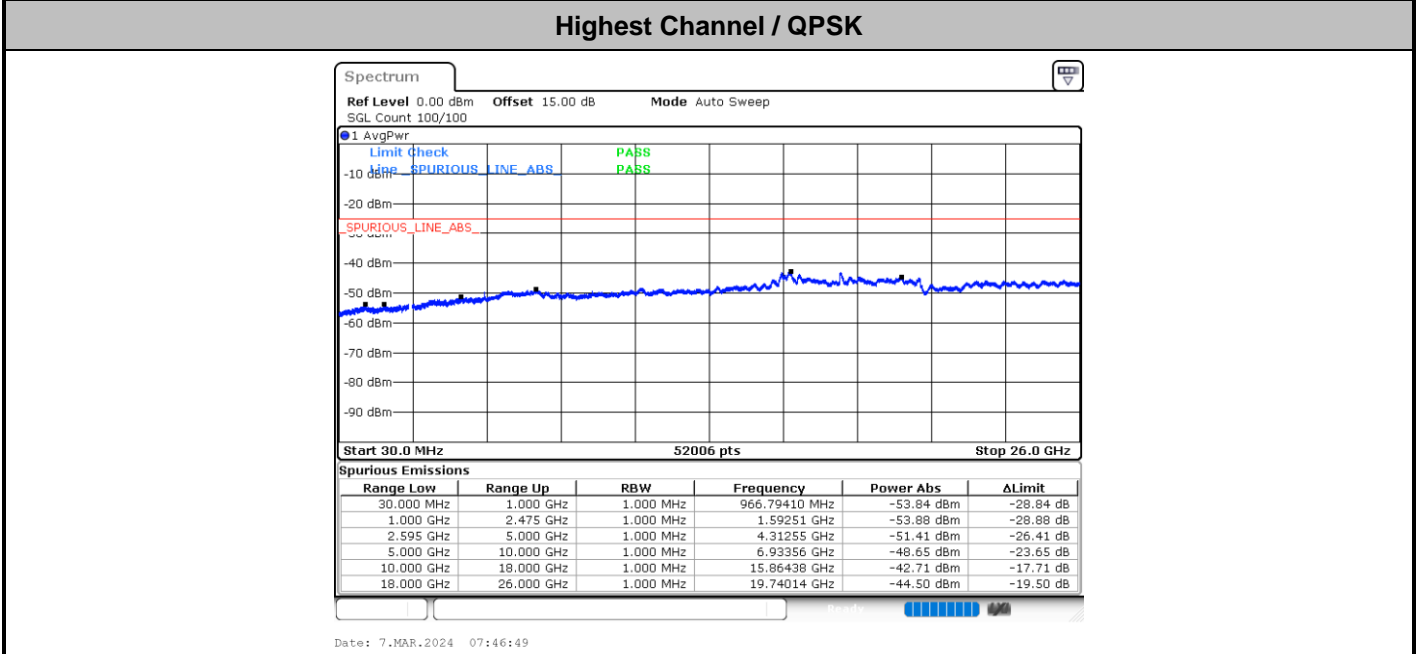
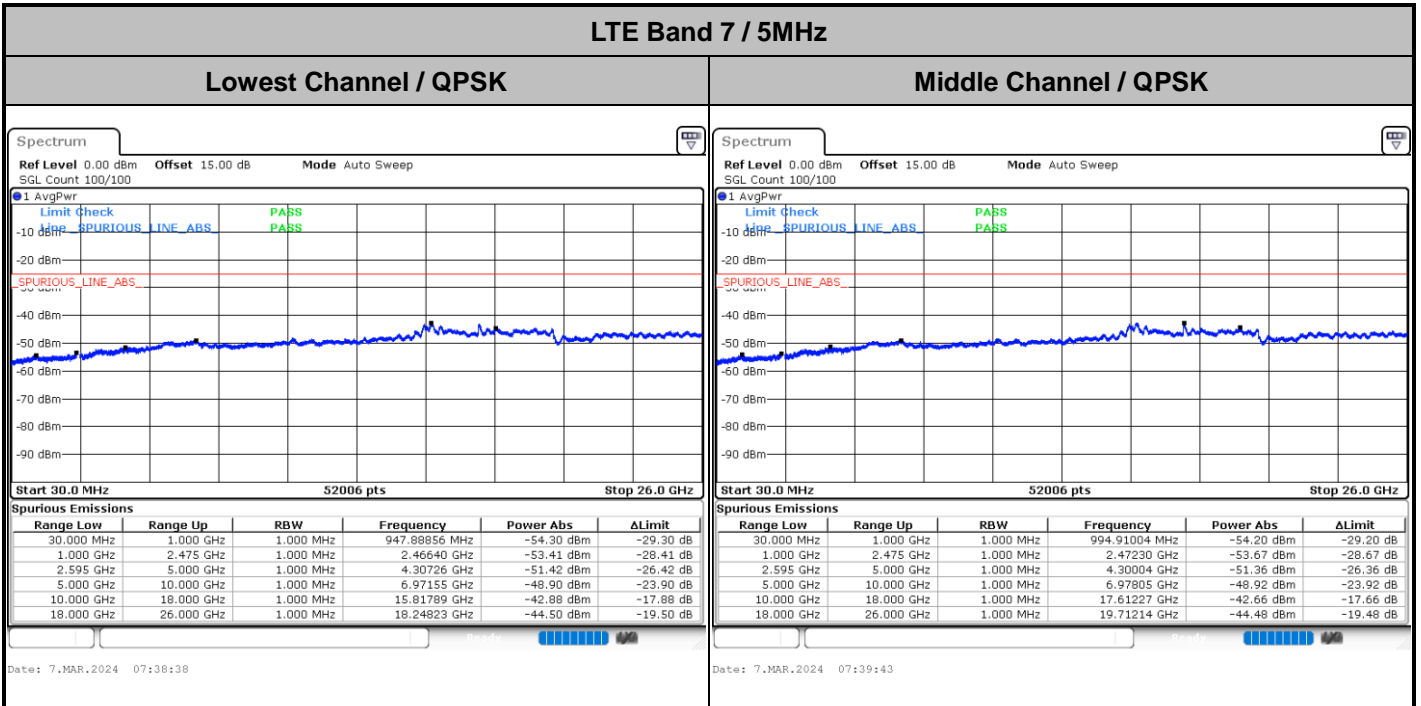
Highest Band Edge / Full RB



Date: 7.MAR.2024 08:31:12



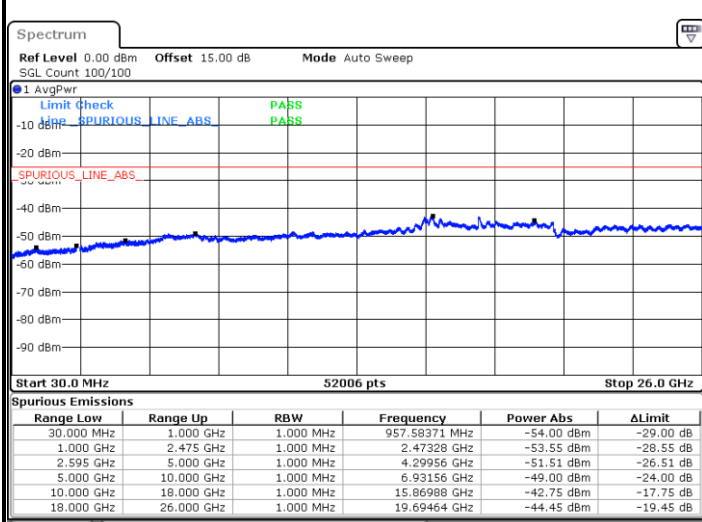
# Conducted Spurious Emission





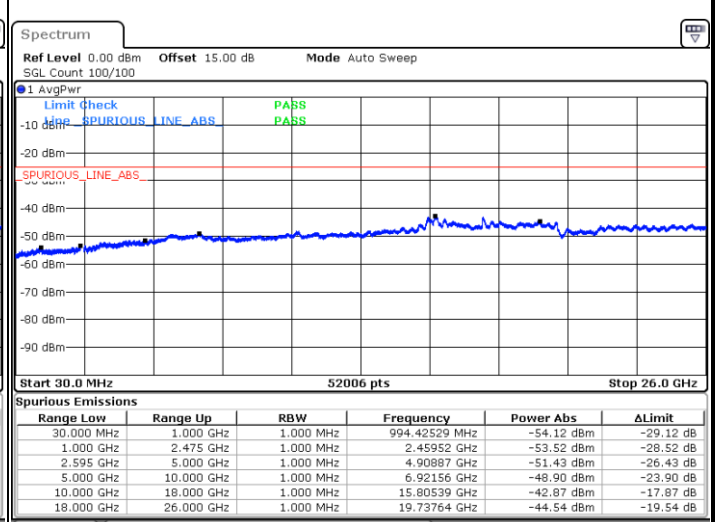
**LTE Band 7 / 10MHz**

**Lowest Channel / QPSK**



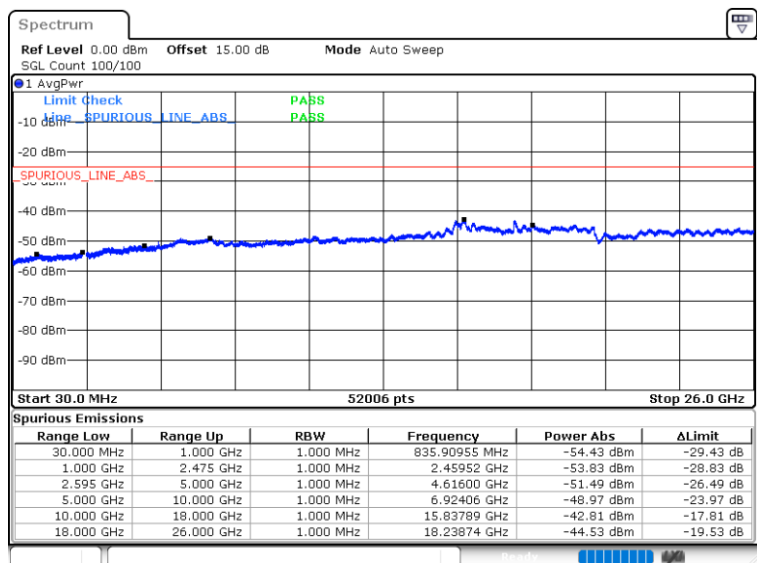
Date: 7.MAR.2024 07:53:19

**Middle Channel / QPSK**



Date: 7.MAR.2024 07:54:23

**Highest Channel / QPSK**



Date: 7.MAR.2024 08:01:29

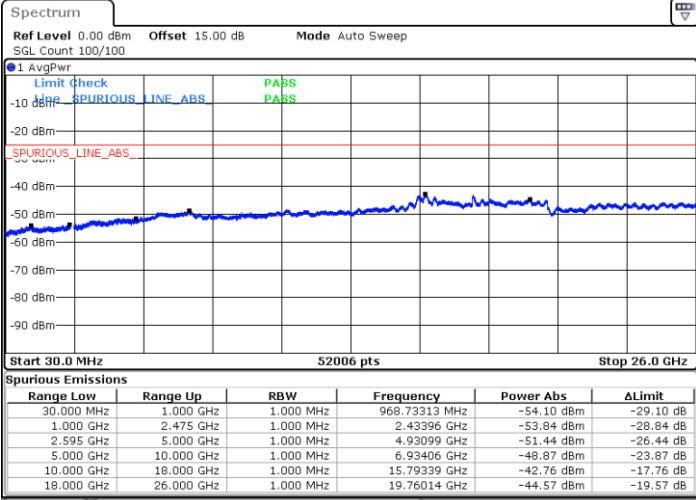




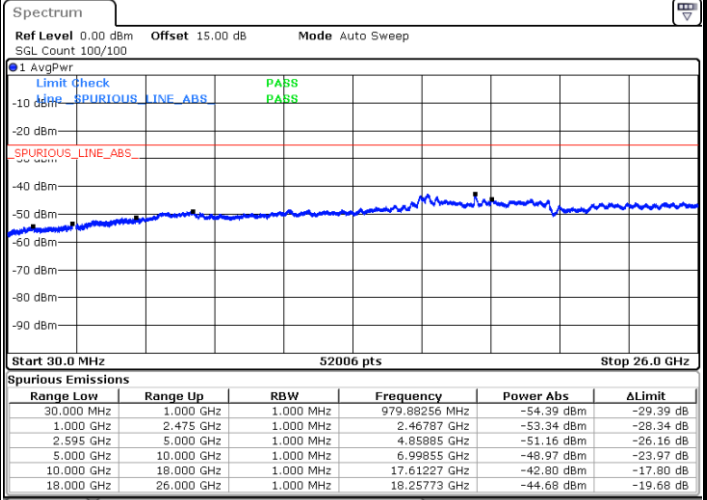
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

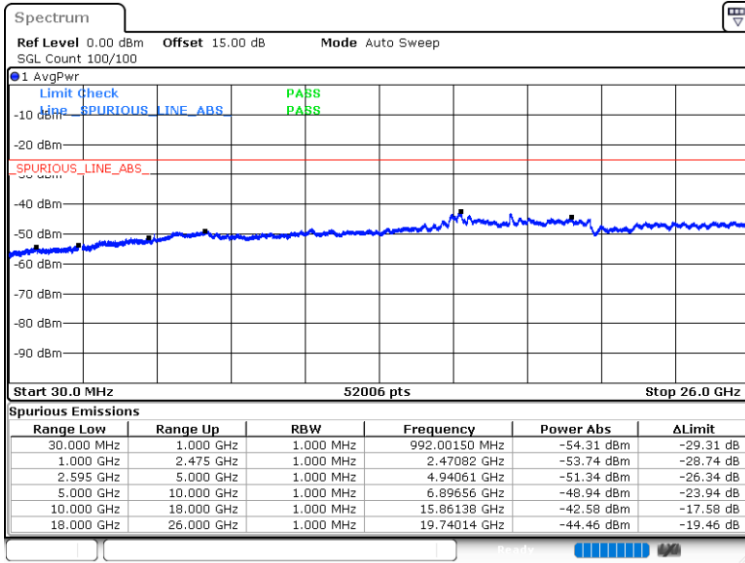


Date: 7.MAR.2024 08:08:02



Date: 7.MAR.2024 08:09:06

Highest Channel / QPSK



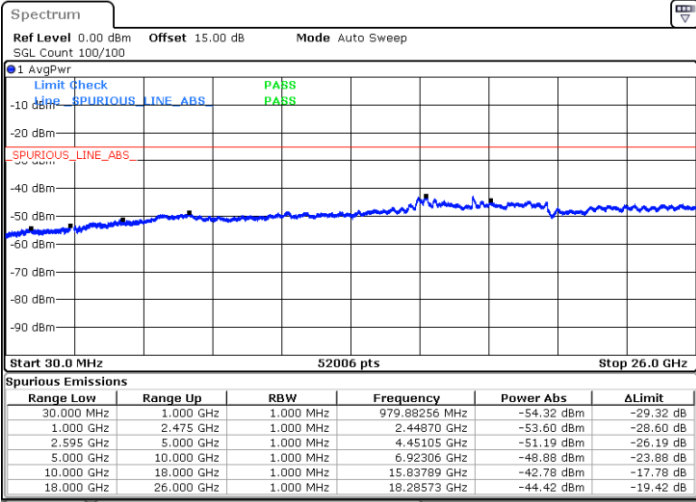
Date: 7.MAR.2024 08:16:12



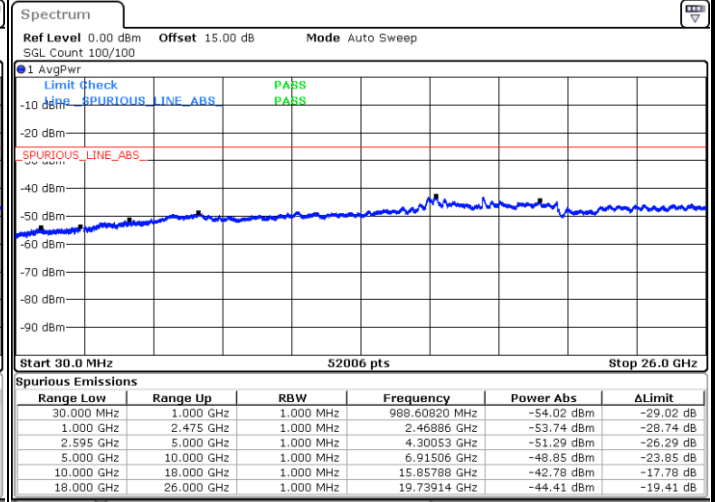
LTE Band 7 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

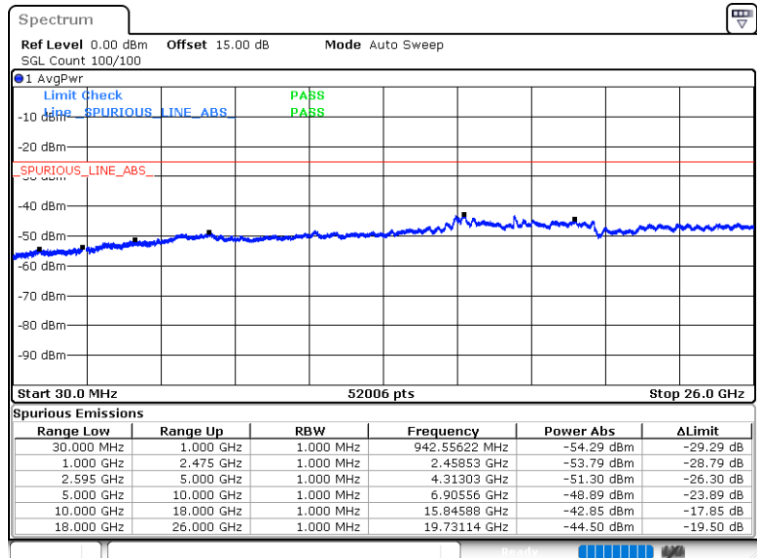


Date: 7.MAR.2024 08:22:45



Date: 7.MAR.2024 08:23:49

Highest Channel / QPSK



Date: 7.MAR.2024 08:32:18



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	0.0054	PASS
40	Normal Voltage	0.0020	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0059	
0	Normal Voltage	0.0031	
-10	Normal Voltage	0.0026	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0014	

Note:

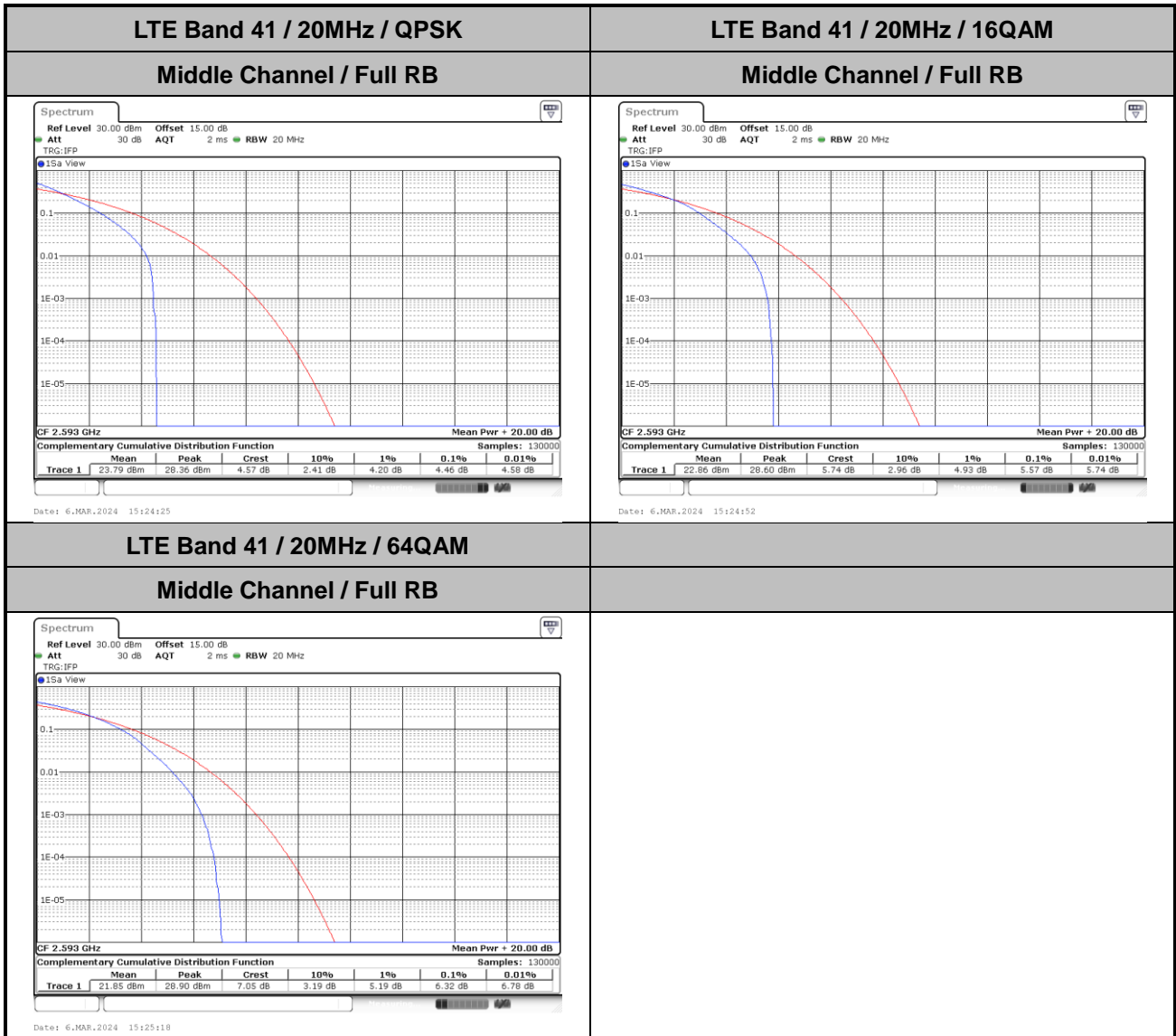
1. Normal Voltage = 3.89 V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage = 4.48 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## 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	4.46	5.57	6.32	<b>PASS</b>





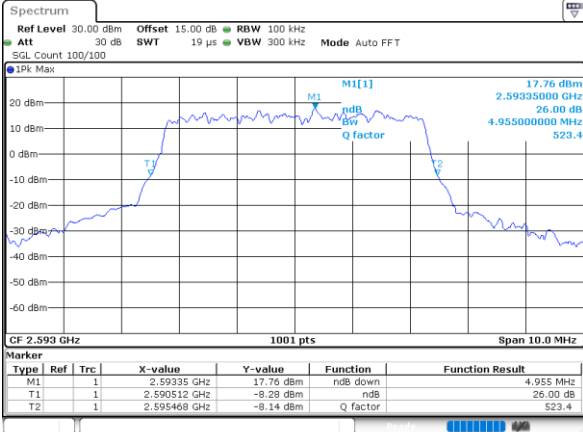
### 26dB Bandwidth

Mode	LTE Band 41 : 26dB BW(MHz)							
	5MHz		10MHz		15MHz		20MHz	
BW								
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.96	4.90	10.33	9.63	14.15	14.66	18.82	18.74



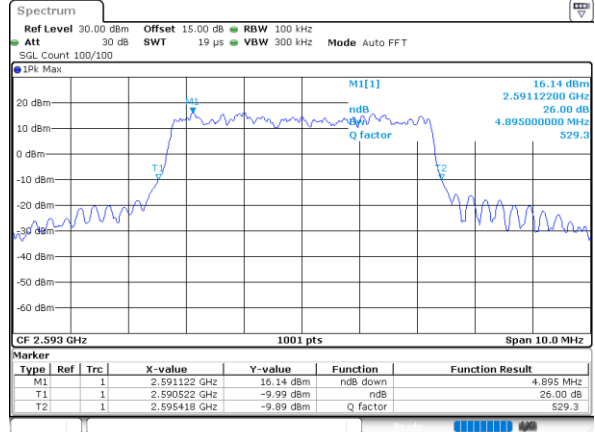
LTE Band 41

Middle Channel / 5MHz / QPSK



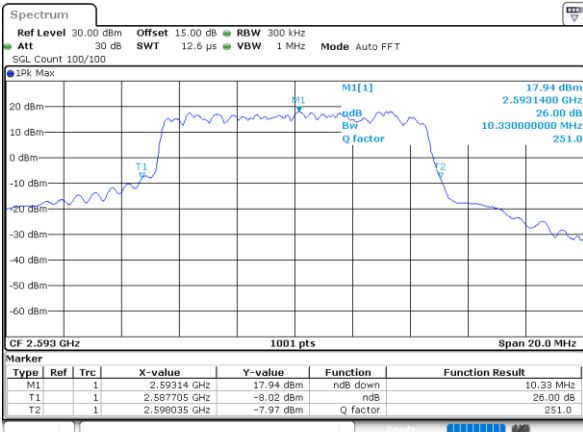
Date: 6.MAR.2024 14:29:27

Middle Channel / 5MHz / 16QAM



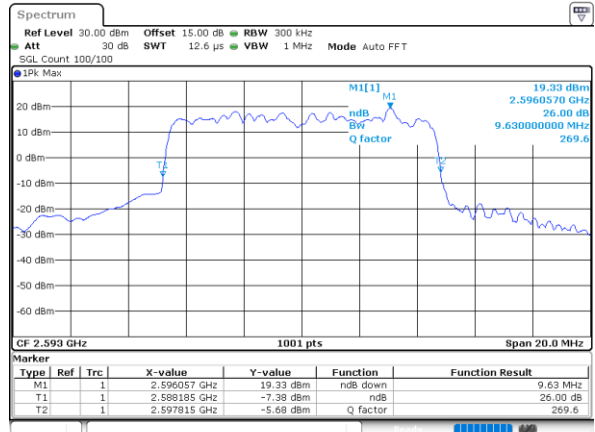
Date: 6.MAR.2024 14:30:07

Middle Channel / 10MHz / QPSK



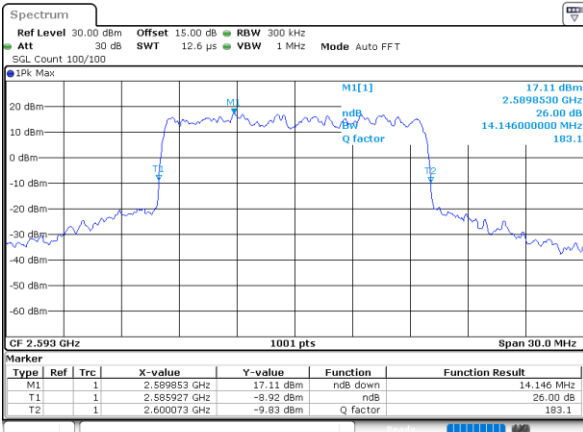
Date: 6.MAR.2024 14:47:42

Middle Channel / 10MHz / 16QAM



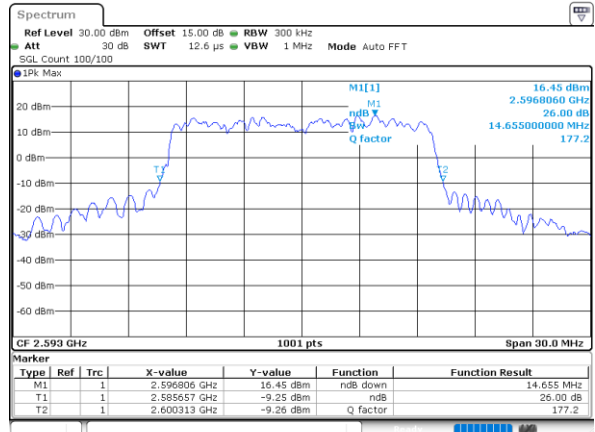
Date: 6.MAR.2024 14:48:21

Middle Channel / 15MHz / QPSK



Date: 6.MAR.2024 15:05:30

Middle Channel / 15MHz / 16QAM

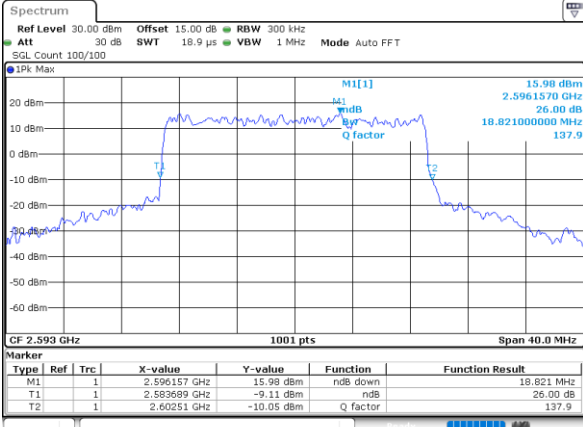


Date: 6.MAR.2024 15:06:09



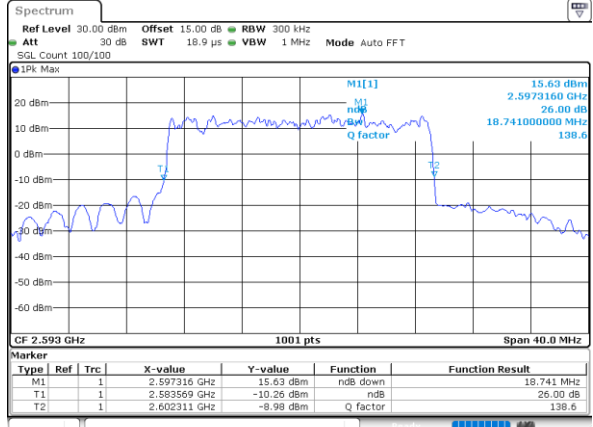
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 6.MAR.2024 15:23:19

Middle Channel / 20MHz / 16QAM



Date: 6.MAR.2024 15:23:58





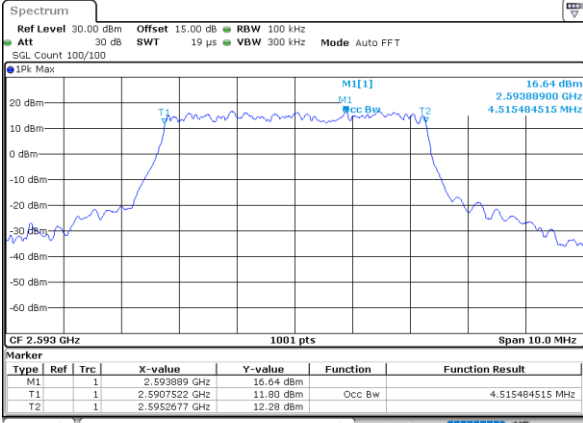
### Occupied Bandwidth

Mode	LTE Band 41 : 99%OBW(MHz)							
	5MHz		10MHz		15MHz		20MHz	
BW								
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.52	4.45	9.03	8.99	13.40	13.43	17.98	17.86



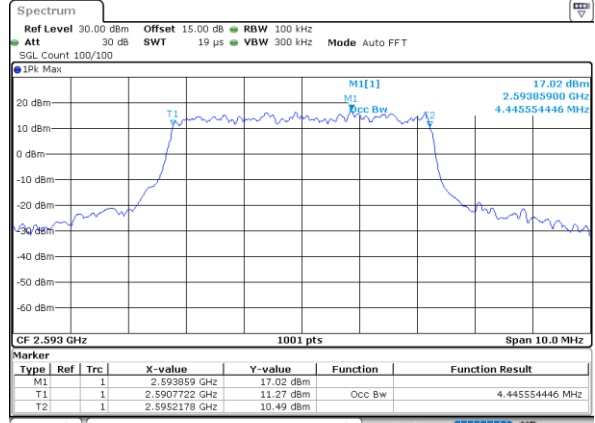
LTE Band 41

Middle Channel / 5MHz / QPSK



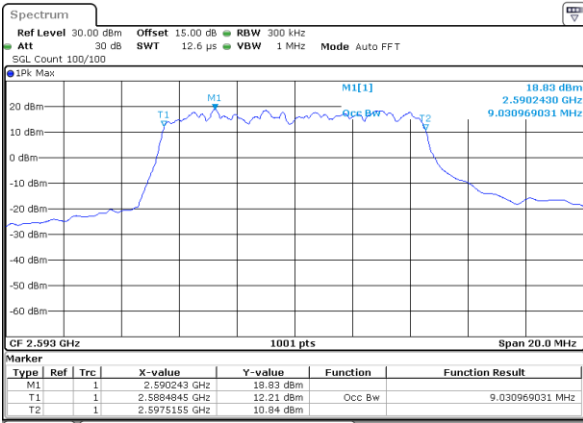
Date: 6.MAR.2024 14:29:13

Middle Channel / 5MHz / 16QAM



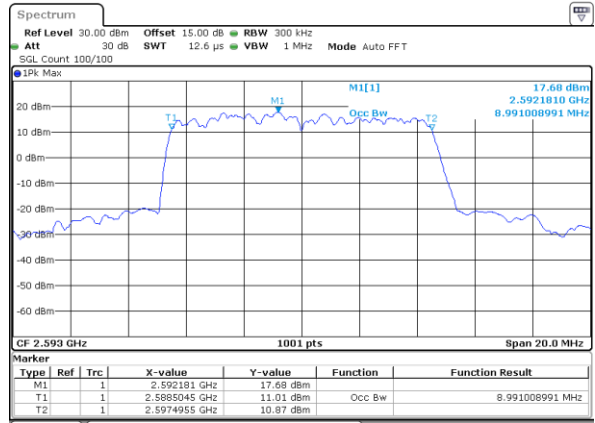
Date: 6.MAR.2024 14:29:53

Middle Channel / 10MHz / QPSK



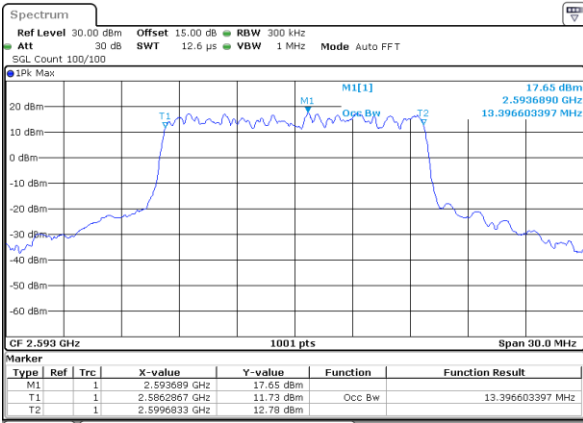
Date: 6.MAR.2024 14:47:28

Middle Channel / 10MHz / 16QAM



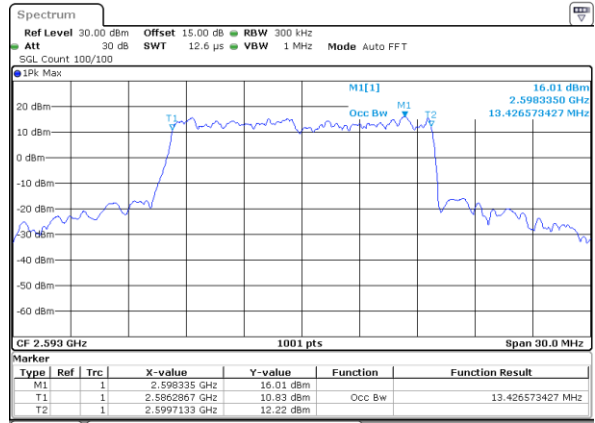
Date: 6.MAR.2024 14:48:07

Middle Channel / 15MHz / QPSK



Date: 6.MAR.2024 15:05:16

Middle Channel / 15MHz / 16QAM

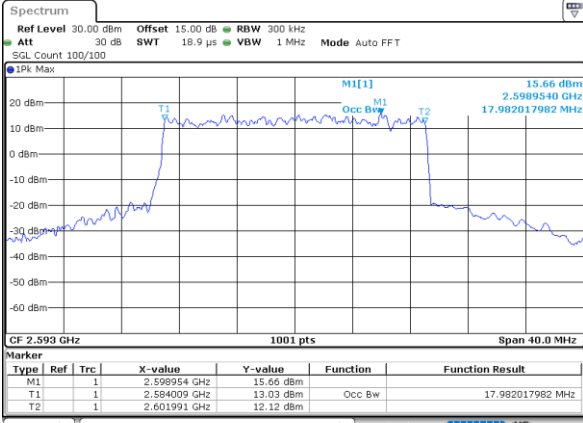


Date: 6.MAR.2024 15:05:56



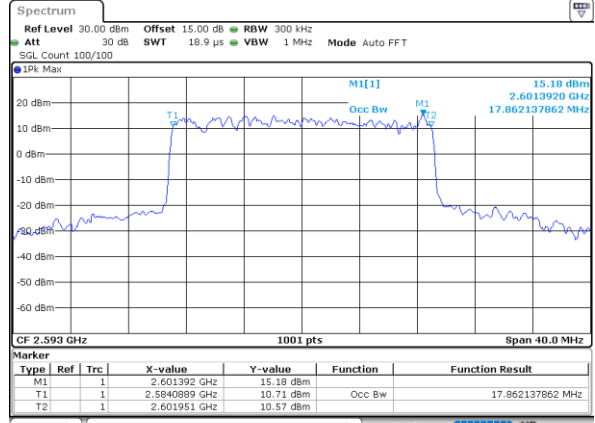
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 6.MAR.2024 15:23:05

Middle Channel / 20MHz / 16QAM



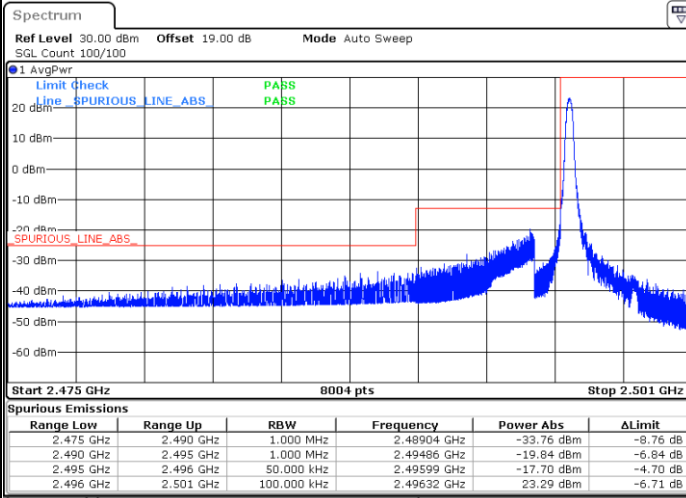
Date: 6.MAR.2024 15:23:44



# Conducted Band Edge

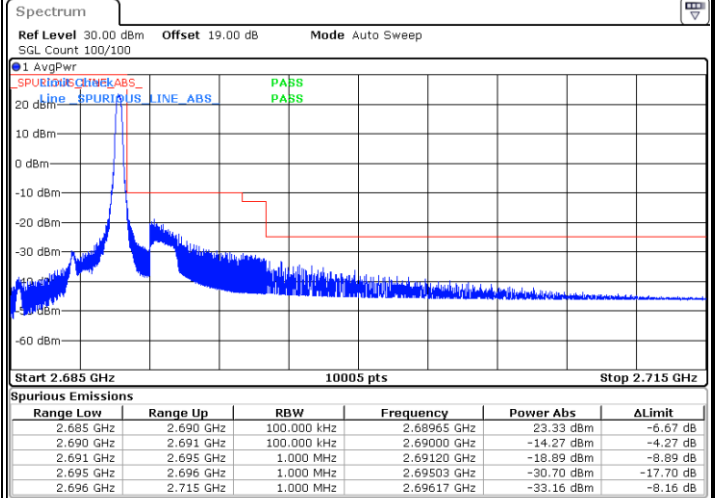
## LTE Band 41 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



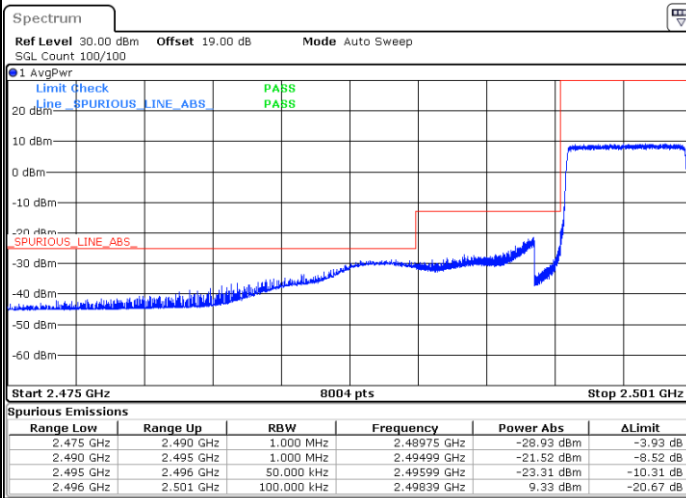
Date: 6.MAR.2024 14:20:59

### Highest Band Edge / 1 RB



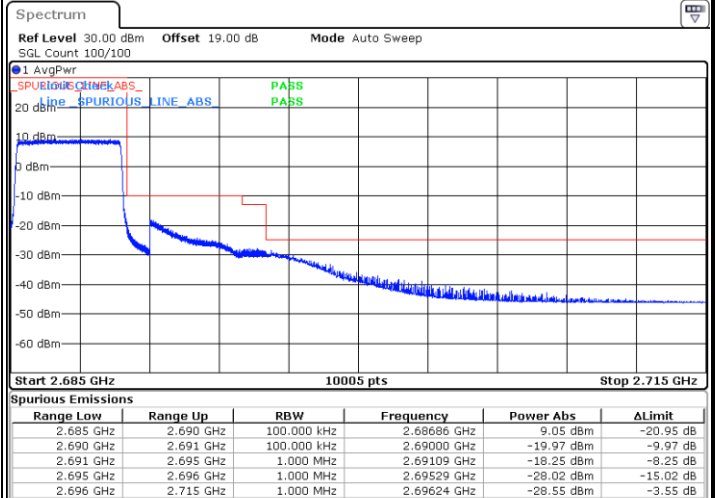
Date: 6.MAR.2024 14:31:18

### Lowest Band Edge / Full RB



Date: 6.MAR.2024 14:26:18

### Highest Band Edge / Full RB

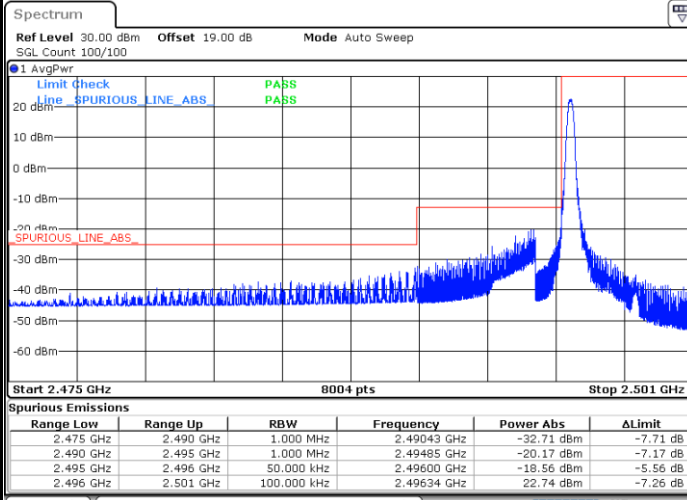


Date: 6.MAR.2024 14:36:38



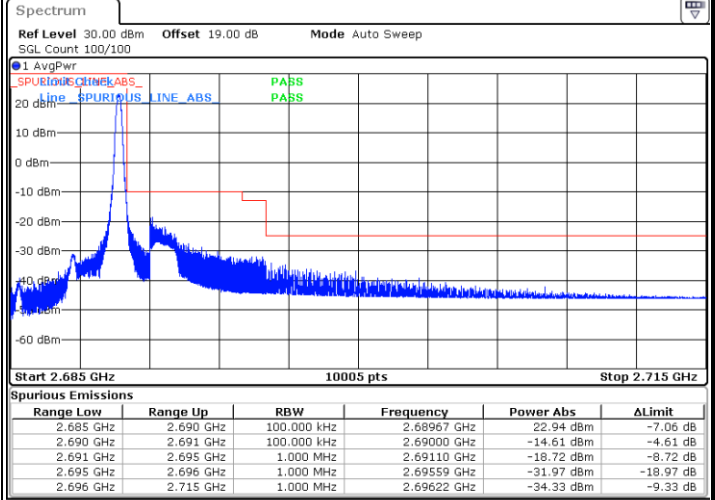
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



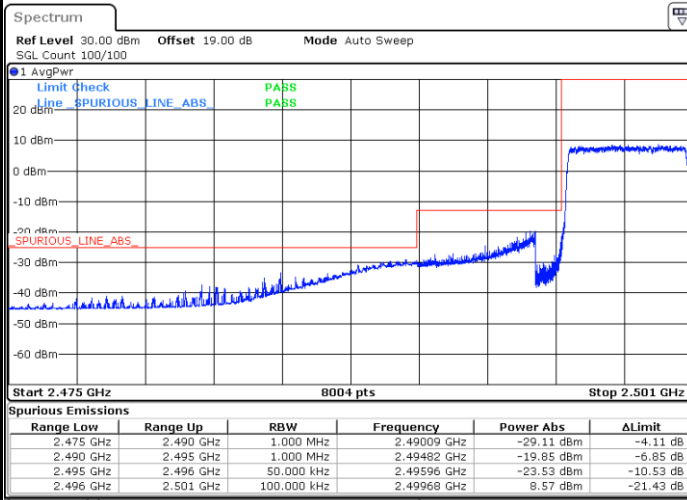
Date: 6.MAR.2024 14:22:01

Highest Band Edge / 1 RB



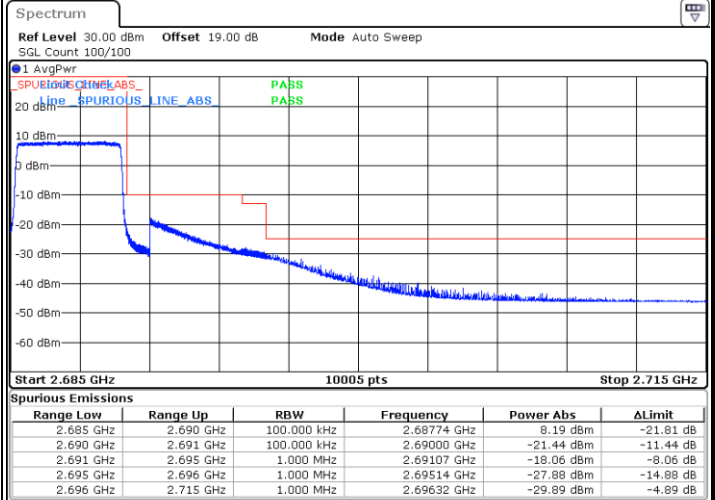
Date: 6.MAR.2024 14:32:22

Lowest Band Edge / Full RB



Date: 6.MAR.2024 14:25:14

Highest Band Edge / Full RB

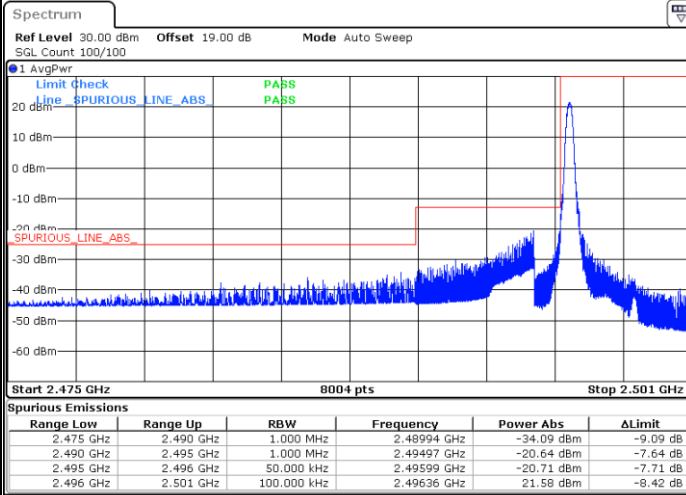


Date: 6.MAR.2024 14:35:34



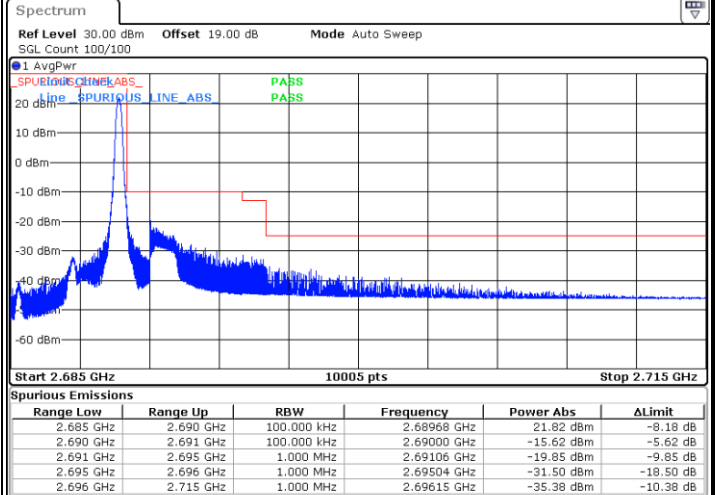
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



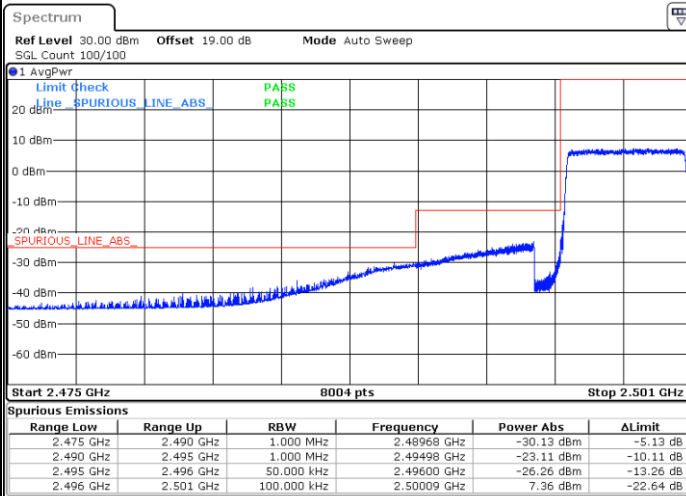
Date: 6.MAR.2024 14:23:04

Highest Band Edge / 1 RB



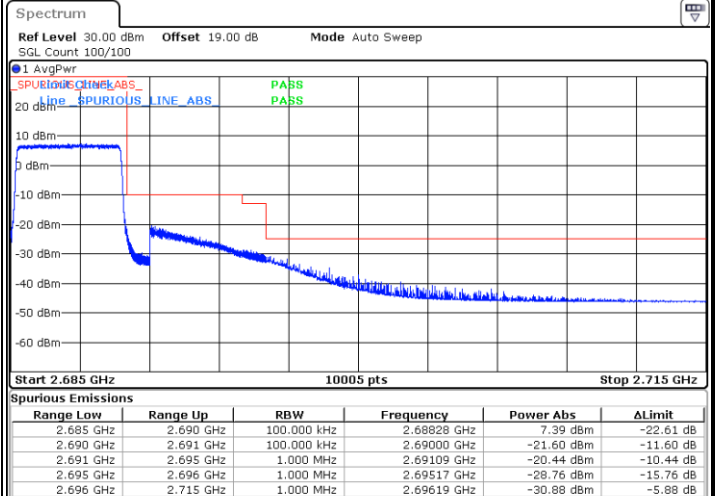
Date: 6.MAR.2024 14:33:26

Lowest Band Edge / Full RB



Date: 6.MAR.2024 14:24:12

Highest Band Edge / Full RB

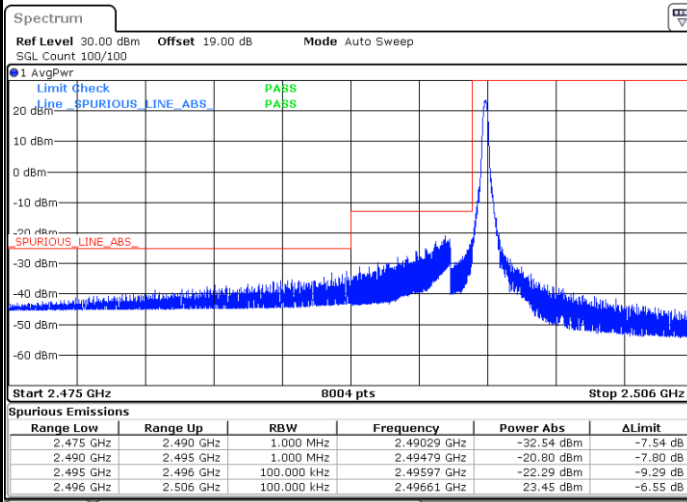


Date: 6.MAR.2024 14:34:30



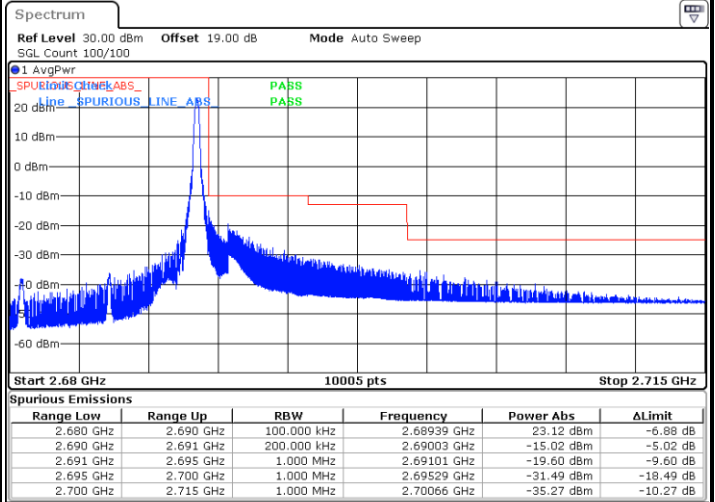
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



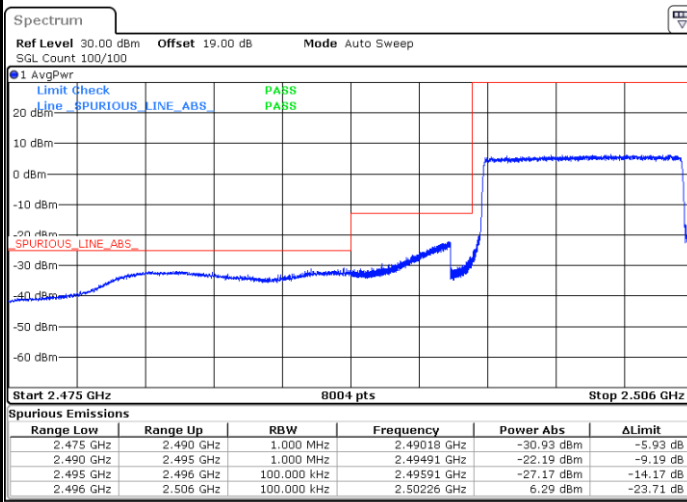
Date: 6.MAR.2024 14:39:34

Highest Band Edge / 1 RB



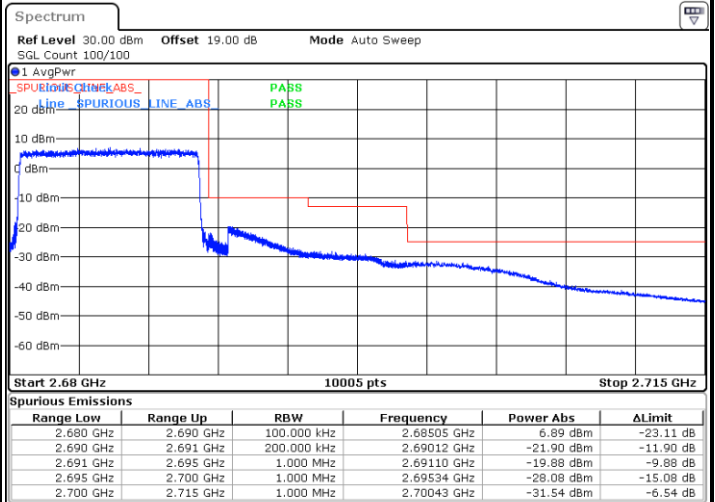
Date: 6.MAR.2024 14:49:21

Lowest Band Edge / Full RB



Date: 6.MAR.2024 14:44:41

Highest Band Edge / Full RB

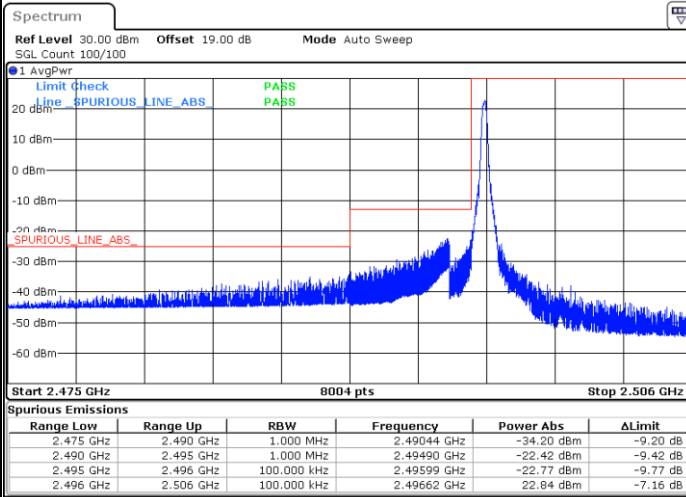


Date: 6.MAR.2024 14:54:27



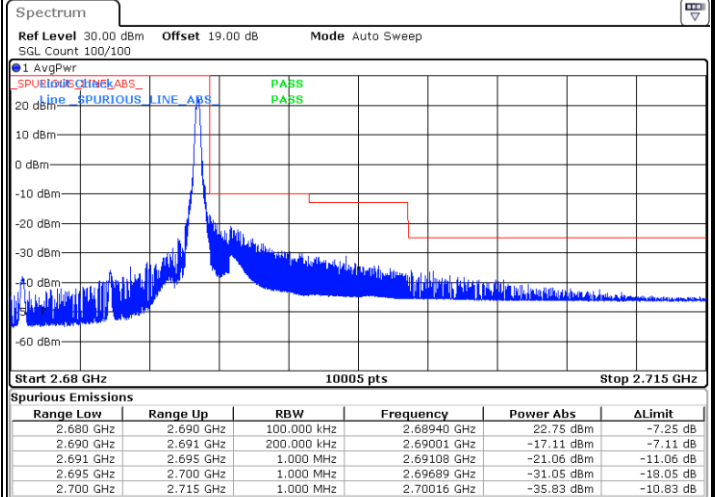
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1RB



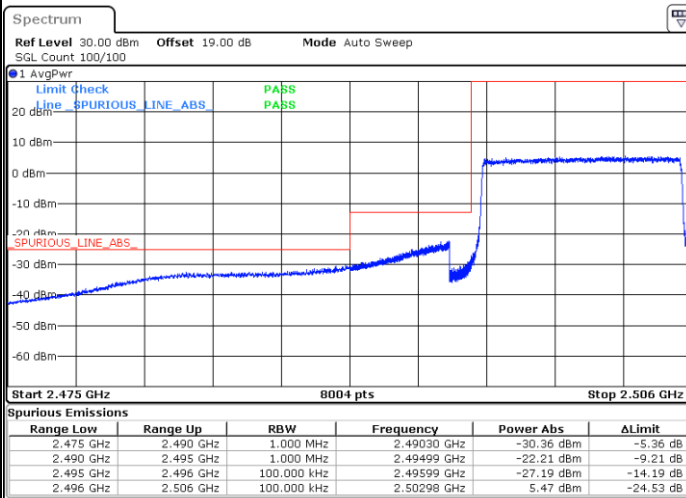
Date: 6.MAR.2024 14:40:35

Highest Band Edge / 1 RB



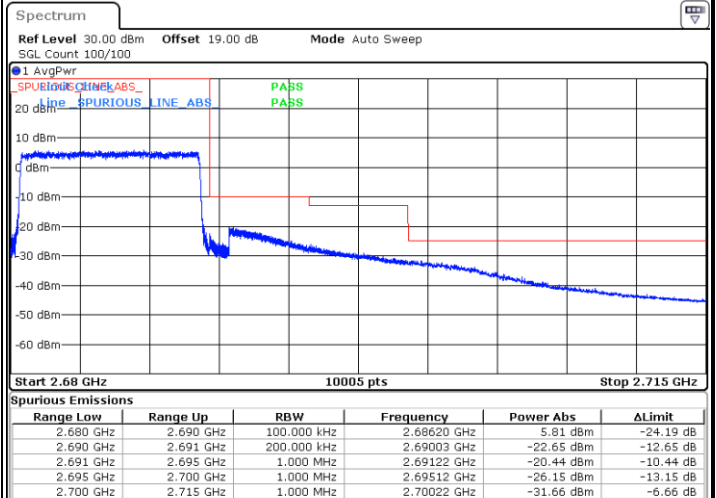
Date: 6.MAR.2024 14:50:22

Lowest Band Edge / Full RB



Date: 6.MAR.2024 14:43:40

Highest Band Edge / Full RB



Date: 6.MAR.2024 14:53:26