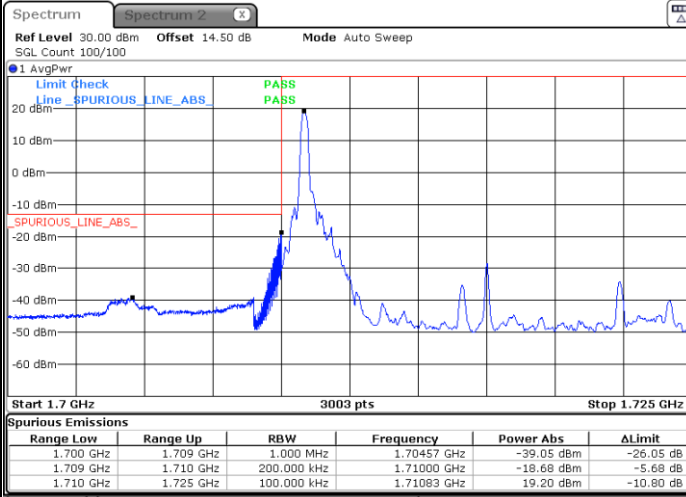




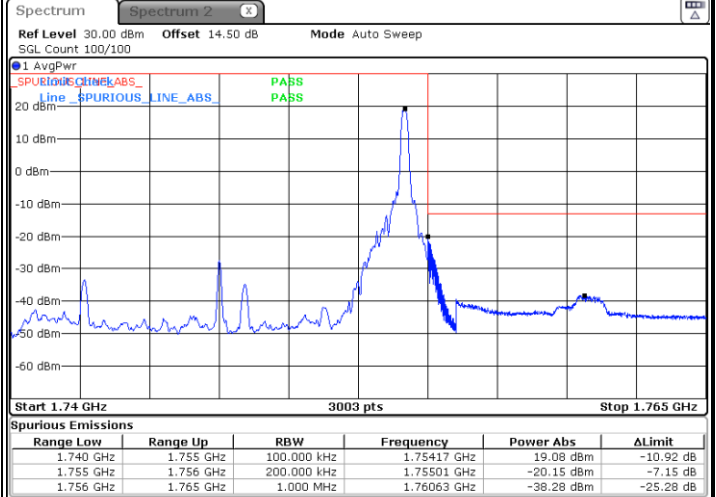
LTE Band 4 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



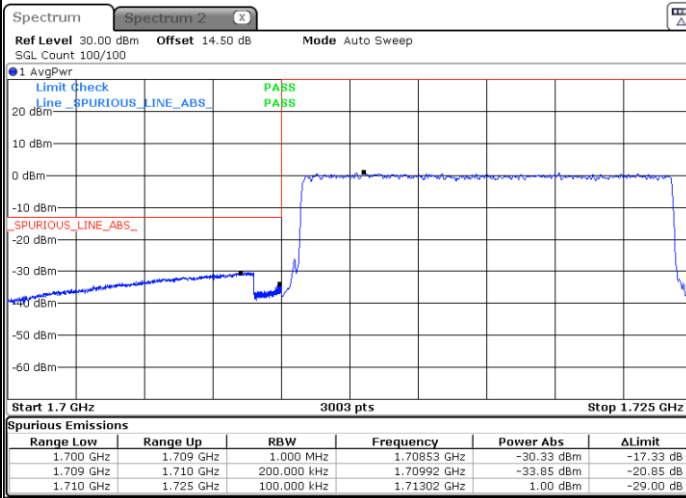
Date: 6 MAR 2025 10:53:25

Highest Band Edge / 1 RB



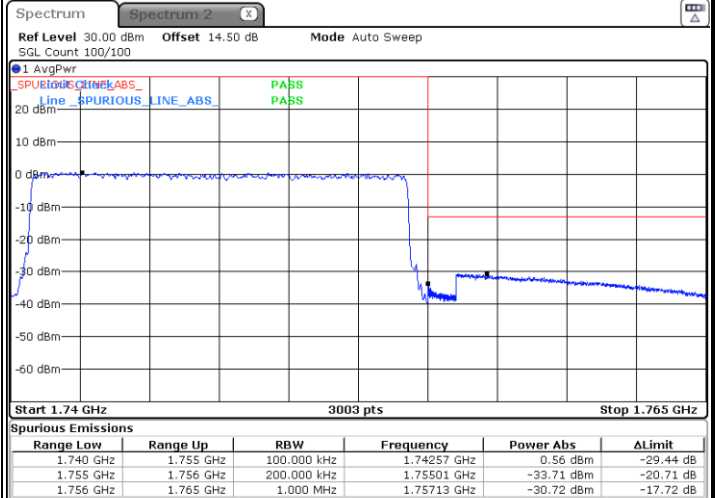
Date: 6 MAR 2025 10:59:30

Lowest Band Edge / Full RB



Date: 6 MAR 2025 10:54:56

Highest Band Edge / Full RB

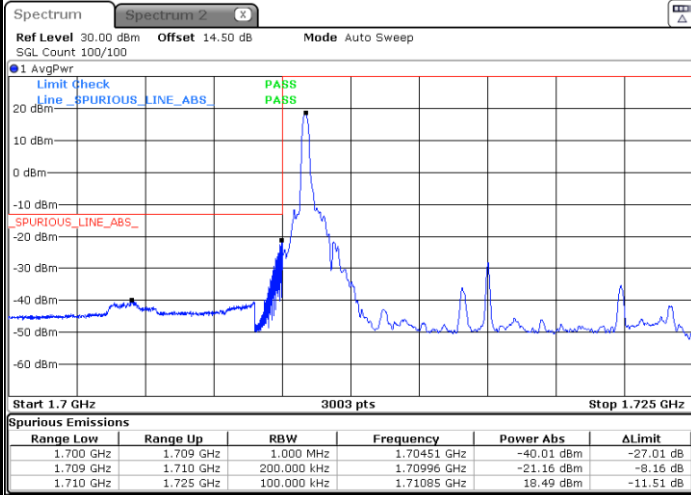


Date: 6 MAR 2025 11:01:01



LTE Band 4 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



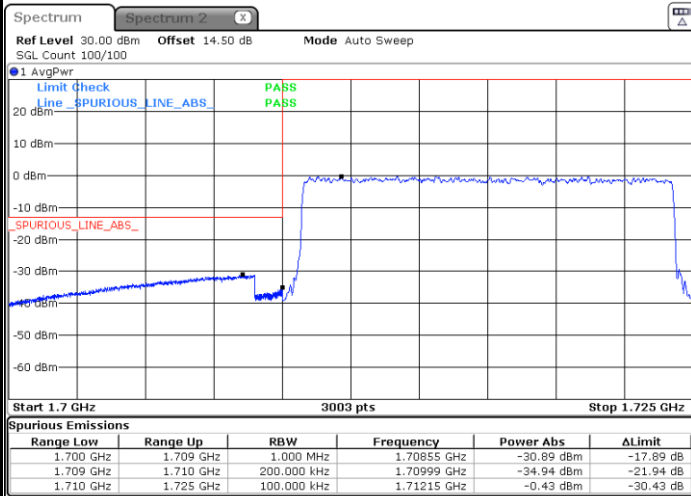
Date: 6 MAR 2025 10:53:55

Highest Band Edge / 1 RB



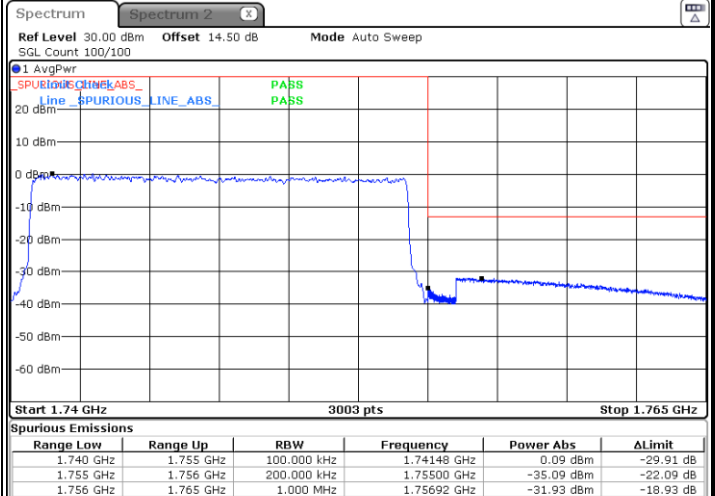
Date: 6 MAR 2025 11:00:00

Lowest Band Edge / Full RB



Date: 6 MAR 2025 10:55:26

Highest Band Edge / Full RB

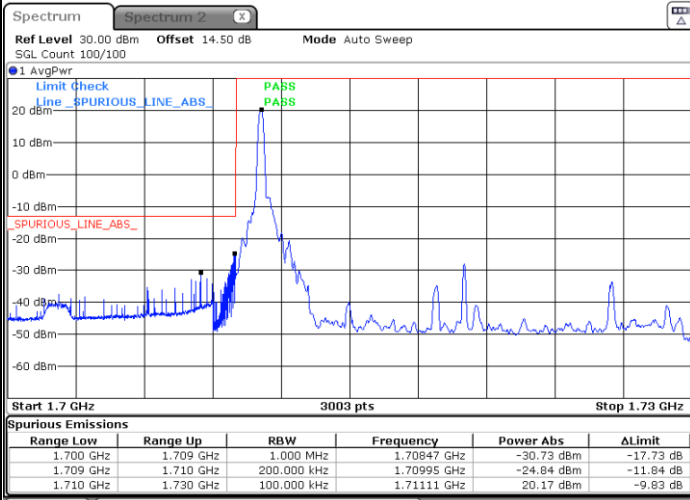


Date: 6 MAR 2025 11:01:31



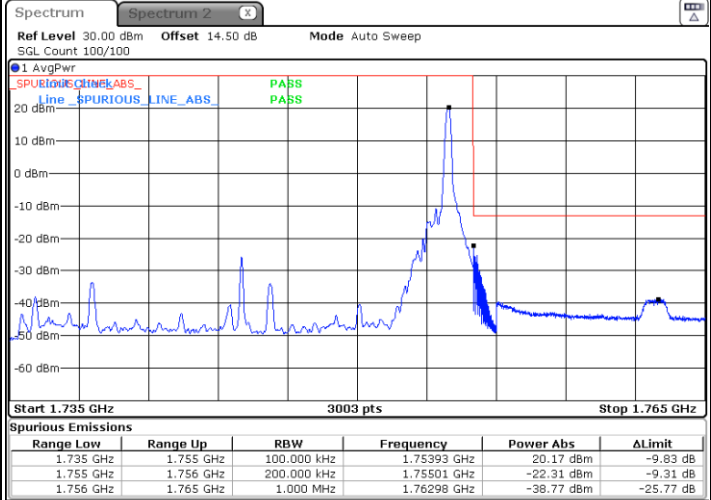
LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / 1RB



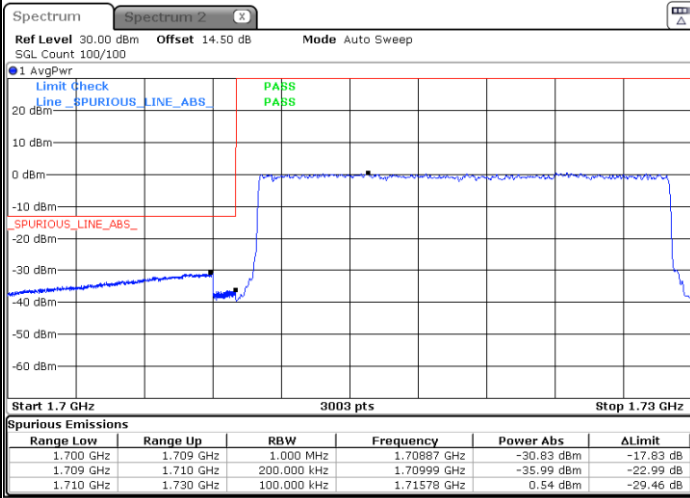
Date: 6 MAR 2025 11:03:37

Highest Band Edge / 1RB



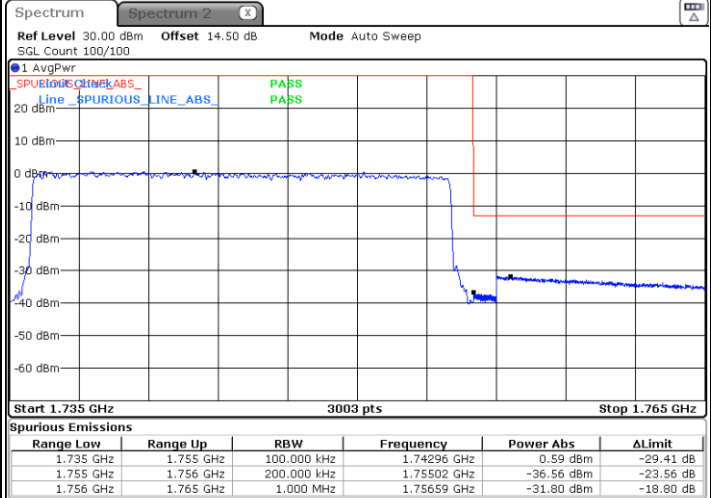
Date: 6 MAR 2025 11:09:42

Lowest Band Edge / Full RB



Date: 6 MAR 2025 11:05:08

Highest Band Edge / Full RB

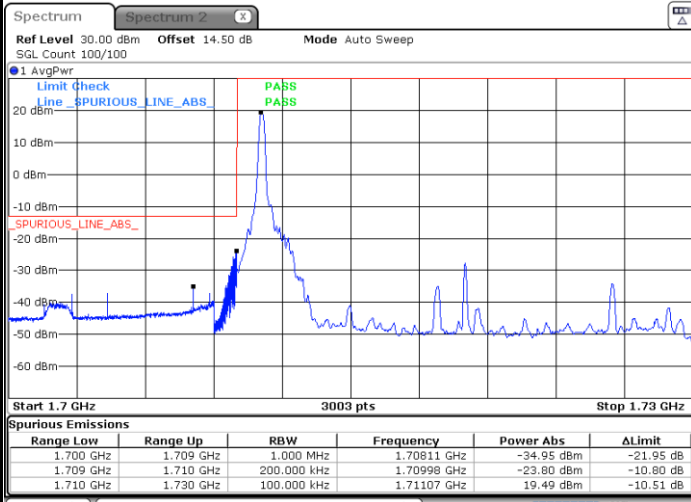


Date: 6 MAR 2025 11:11:12



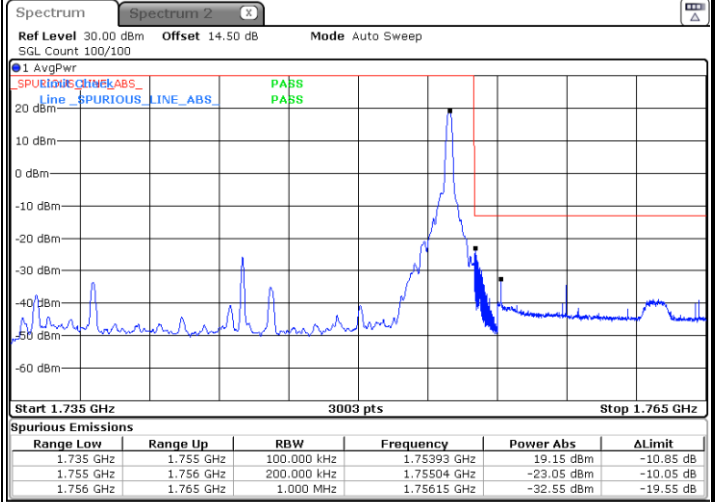
LTE Band 4 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



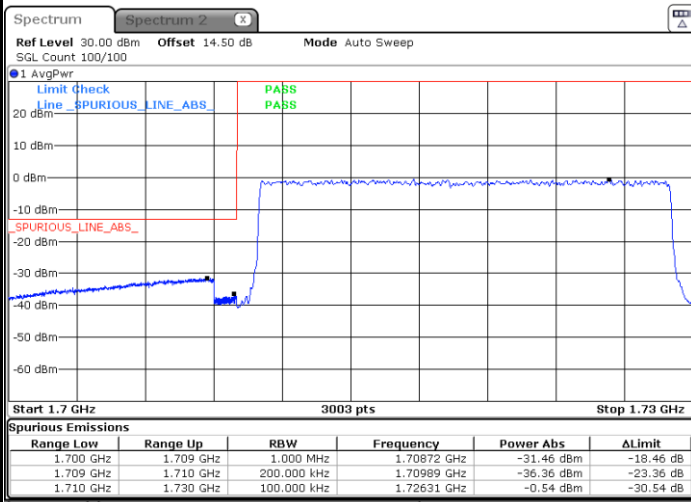
Date: 6 MAR 2025 11:04:07

Highest Band Edge / 1 RB



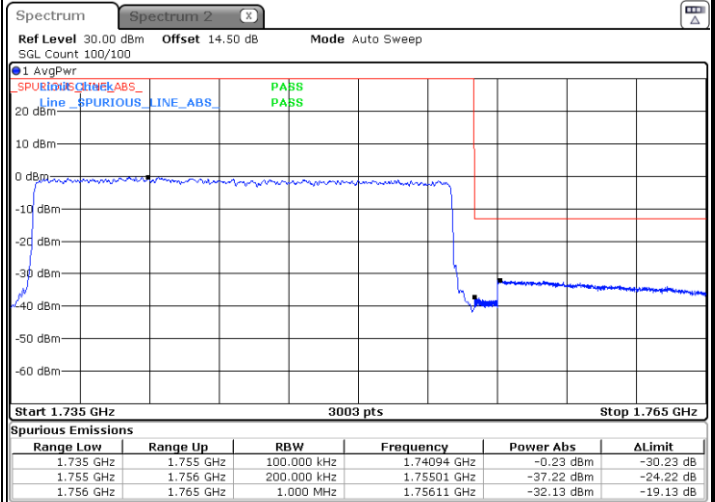
Date: 6 MAR 2025 11:10:12

Lowest Band Edge / Full RB



Date: 6 MAR 2025 11:05:38

Highest Band Edge / Full RB

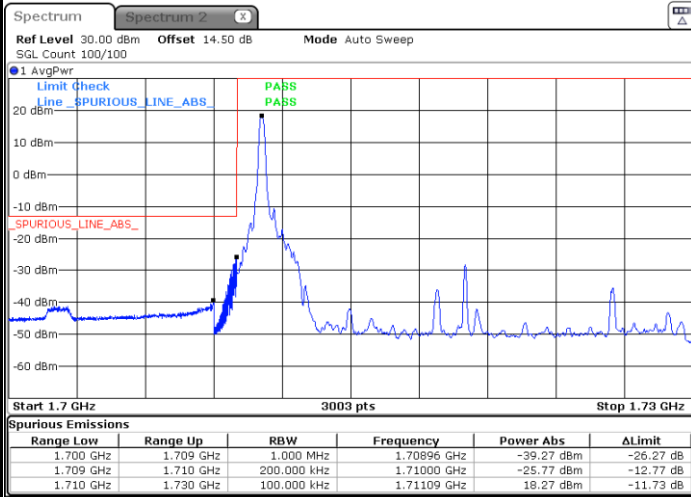


Date: 6 MAR 2025 11:11:42



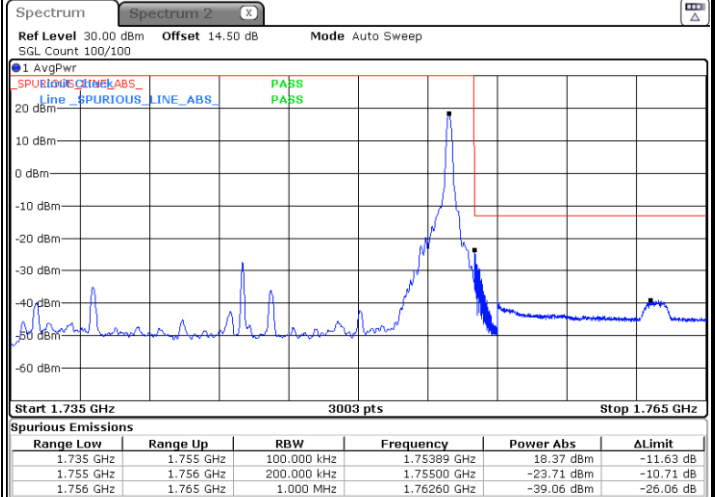
LTE Band 4 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



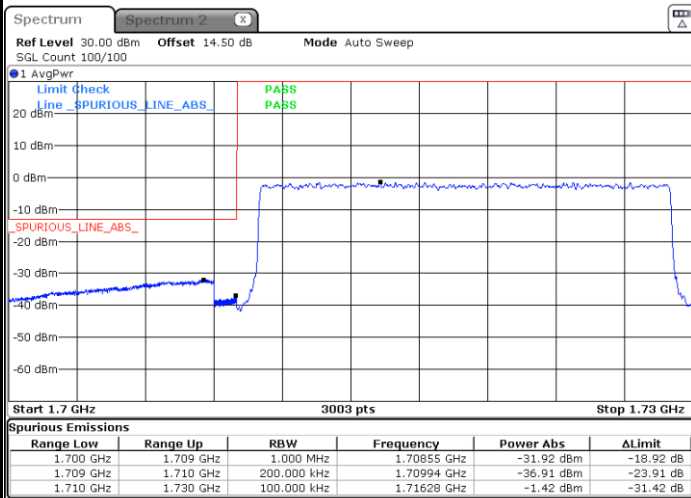
Date: 6 MAR 2025 11:04:37

Highest Band Edge / 1 RB



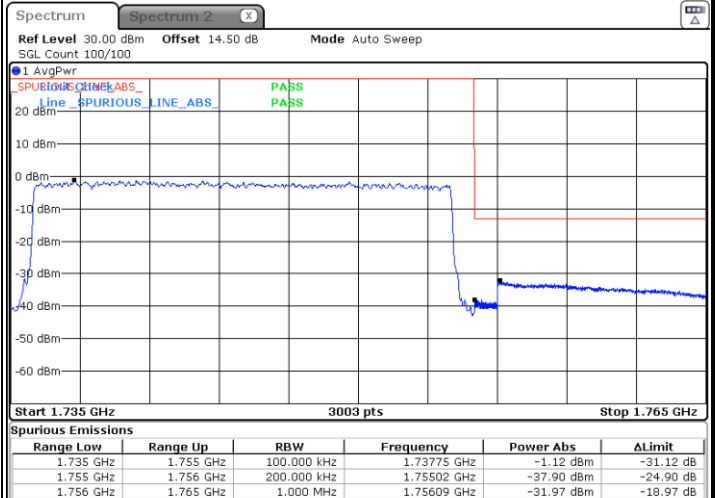
Date: 6 MAR 2025 11:10:42

Lowest Band Edge / Full RB



Date: 6 MAR 2025 11:06:08

Highest Band Edge / Full RB



Date: 6 MAR 2025 11:12:13

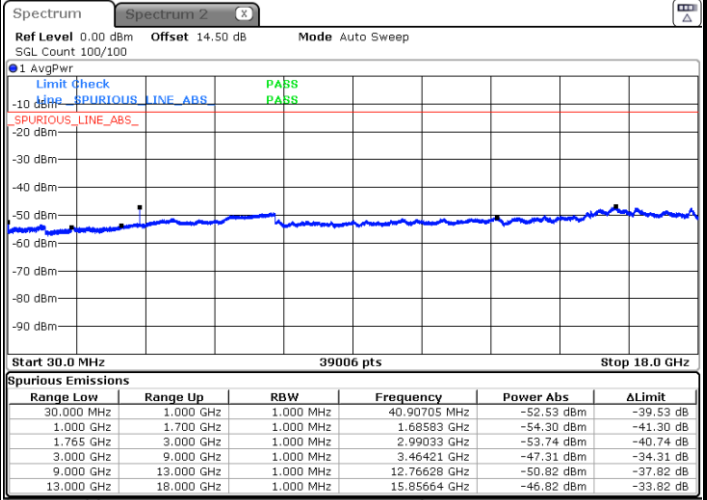
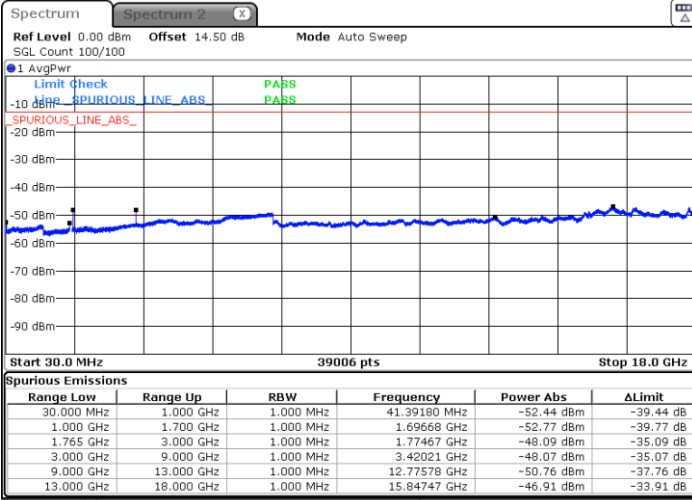


# Conducted Spurious Emission

## LTE Band 4 / 1.4MHz

### Lowest Channel / QPSK

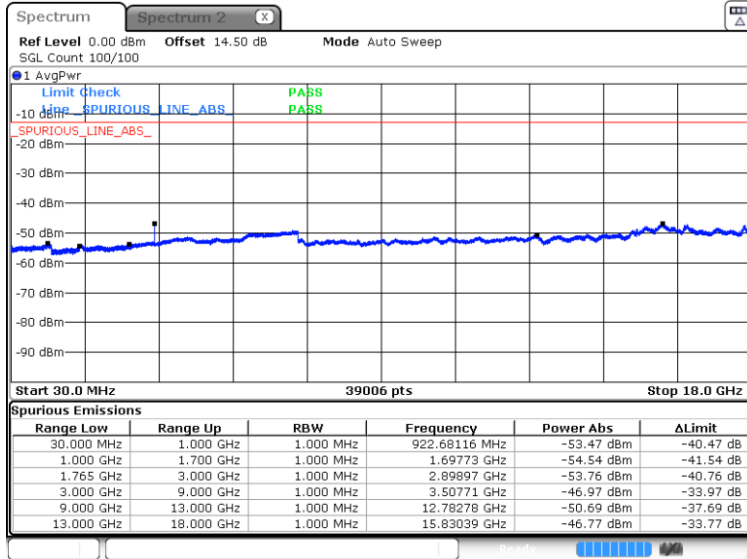
### Middle Channel / QPSK



Date: 6 MAR 2025 10:12:26

Date: 6 MAR 2025 10:13:25

### Highest Channel / QPSK

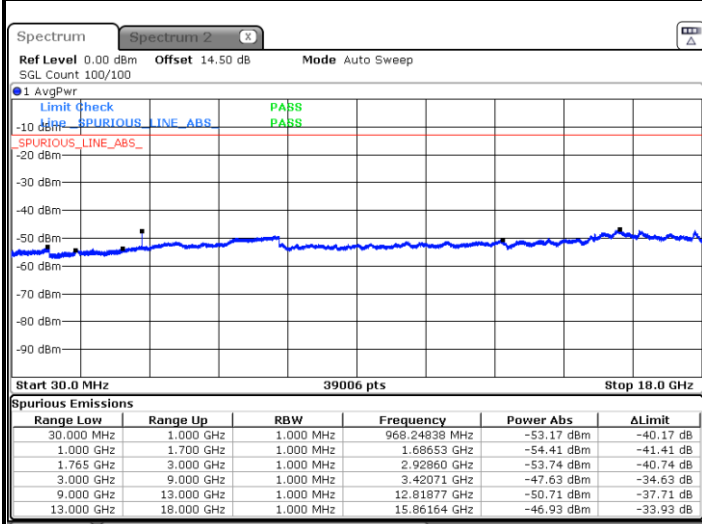


Date: 6 MAR 2025 10:18:56



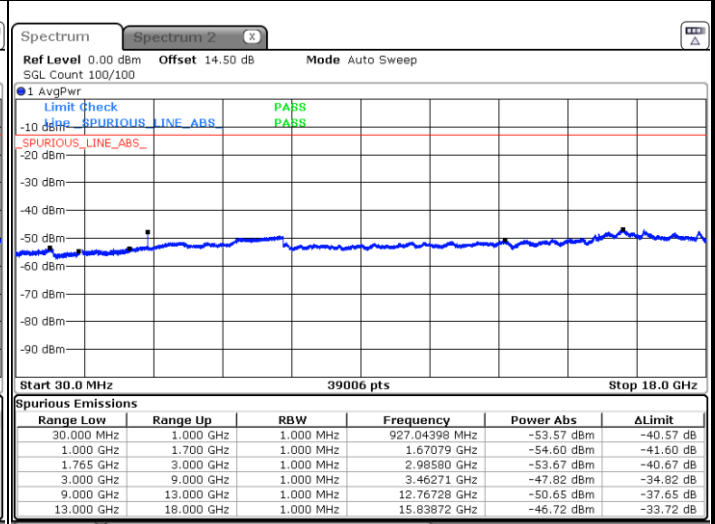
**LTE Band 4 / 3MHz**

**Lowest Channel / QPSK**



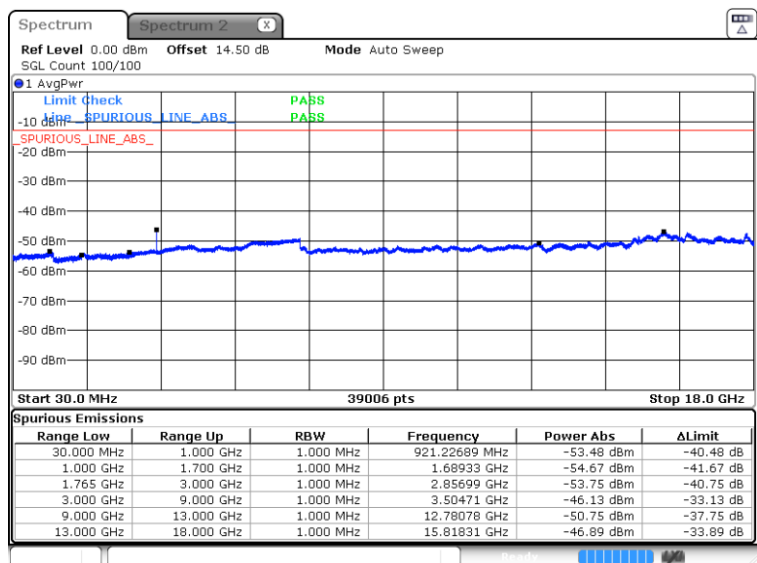
Date: 6 MAR 2025 10:23:52

**Middle Channel / QPSK**



Date: 6 MAR 2025 10:24:51

**Highest Channel / QPSK**



Date: 6 MAR 2025 10:30:16

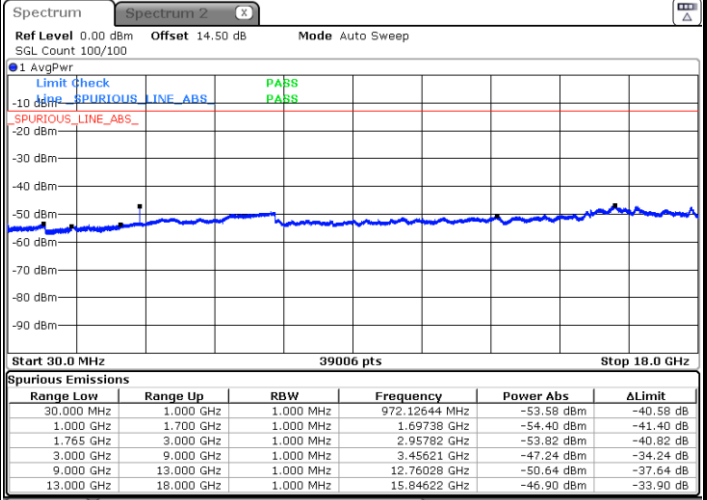
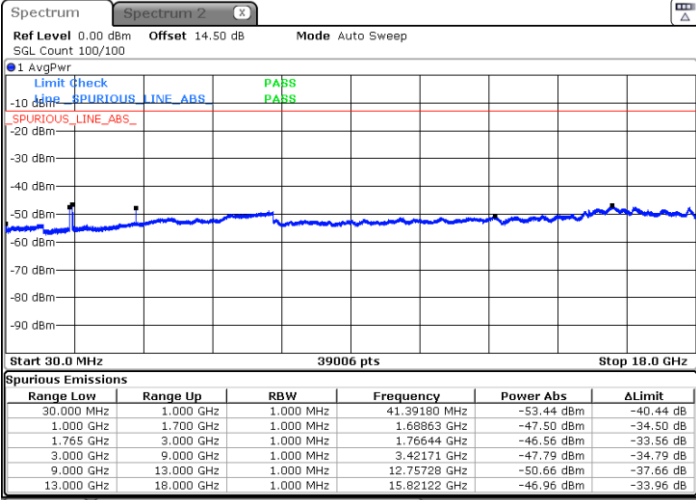




LTE Band 4 / 10MHz

Lowest Channel / QPSK

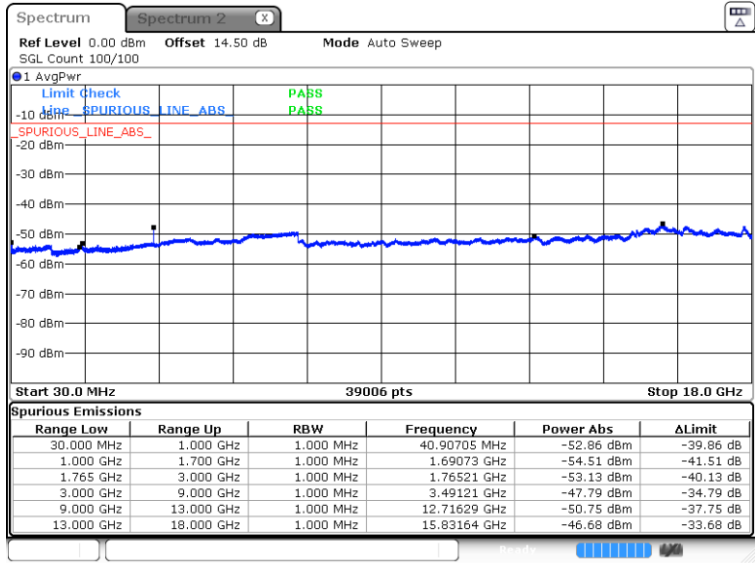
Middle Channel / QPSK



Date: 6 MAR 2025 10:45:36

Date: 6 MAR 2025 10:46:29

Highest Channel / QPSK



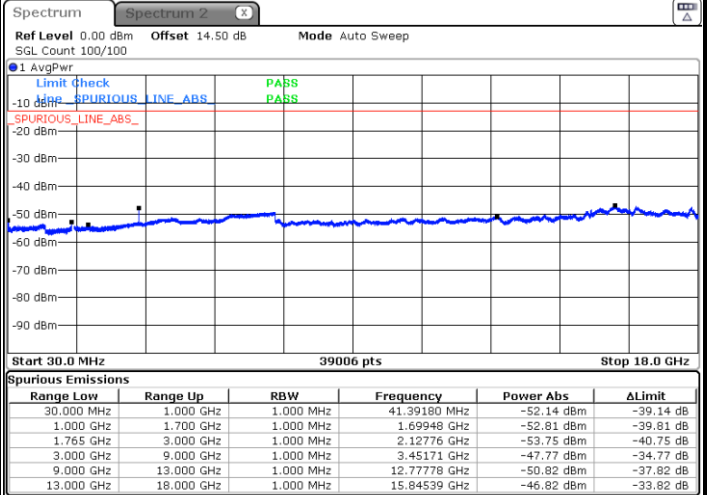
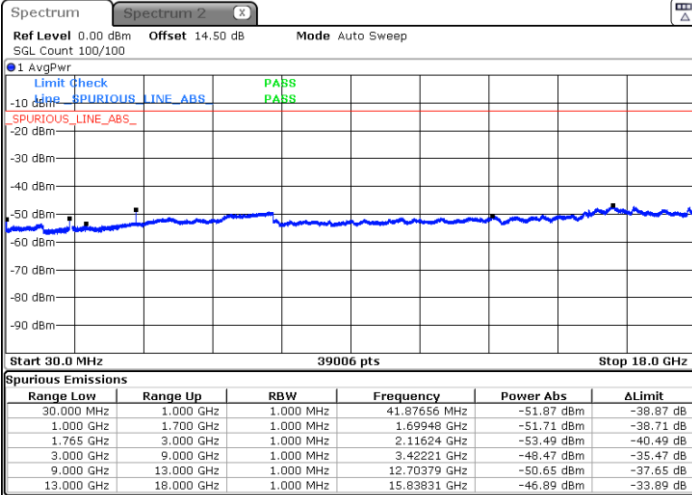
Date: 6 MAR 2025 10:51:42



LTE Band 4 / 15MHz

Lowest Channel / QPSK

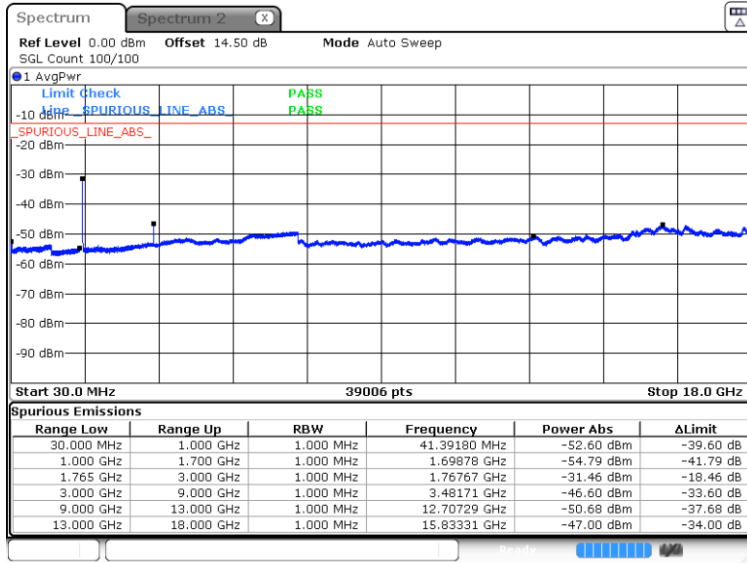
Middle Channel / QPSK



Date: 6 MAR 2025 10:56:19

Date: 6 MAR 2025 10:57:11

Highest Channel / QPSK



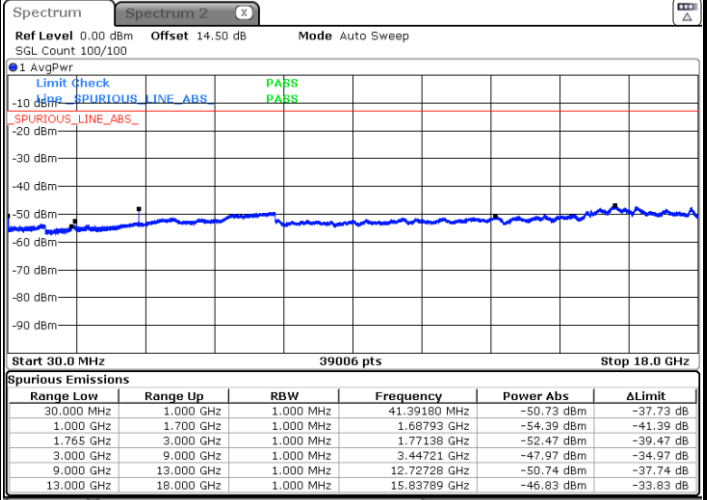
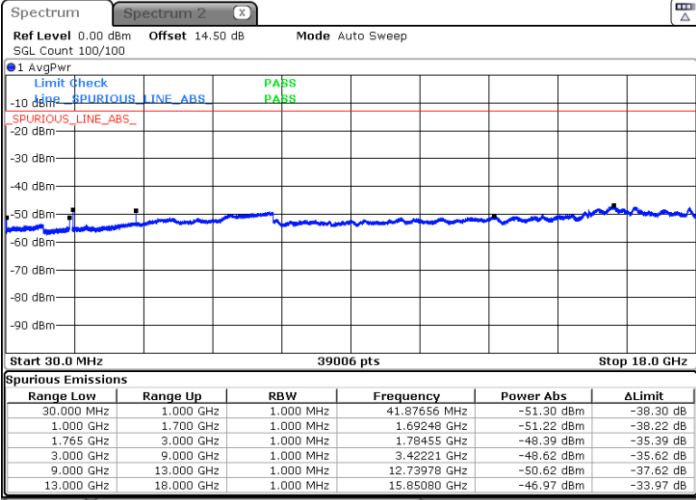
Date: 6 MAR 2025 11:02:24



LTE Band 4 / 20MHz

Lowest Channel / QPSK

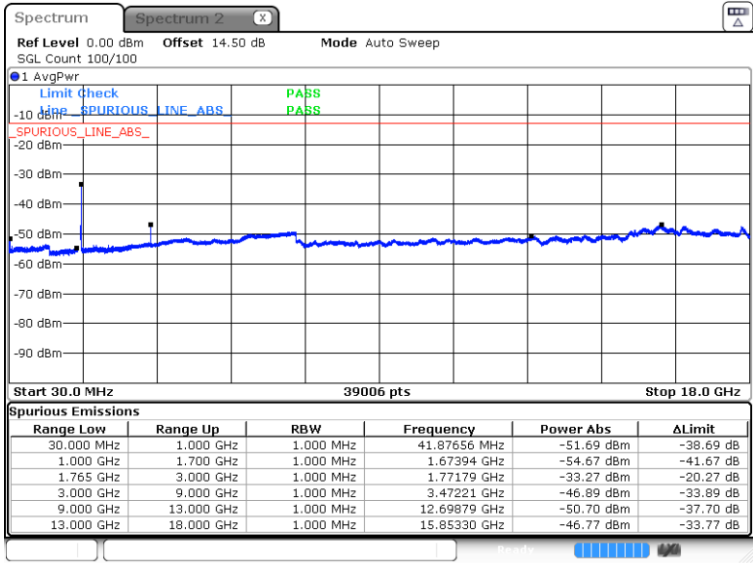
Middle Channel / QPSK



Date: 6 MAR 2025 11:07:01

Date: 6 MAR 2025 11:07:53

Highest Channel / QPSK



Date: 6 MAR 2025 11:13:06



Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0000	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

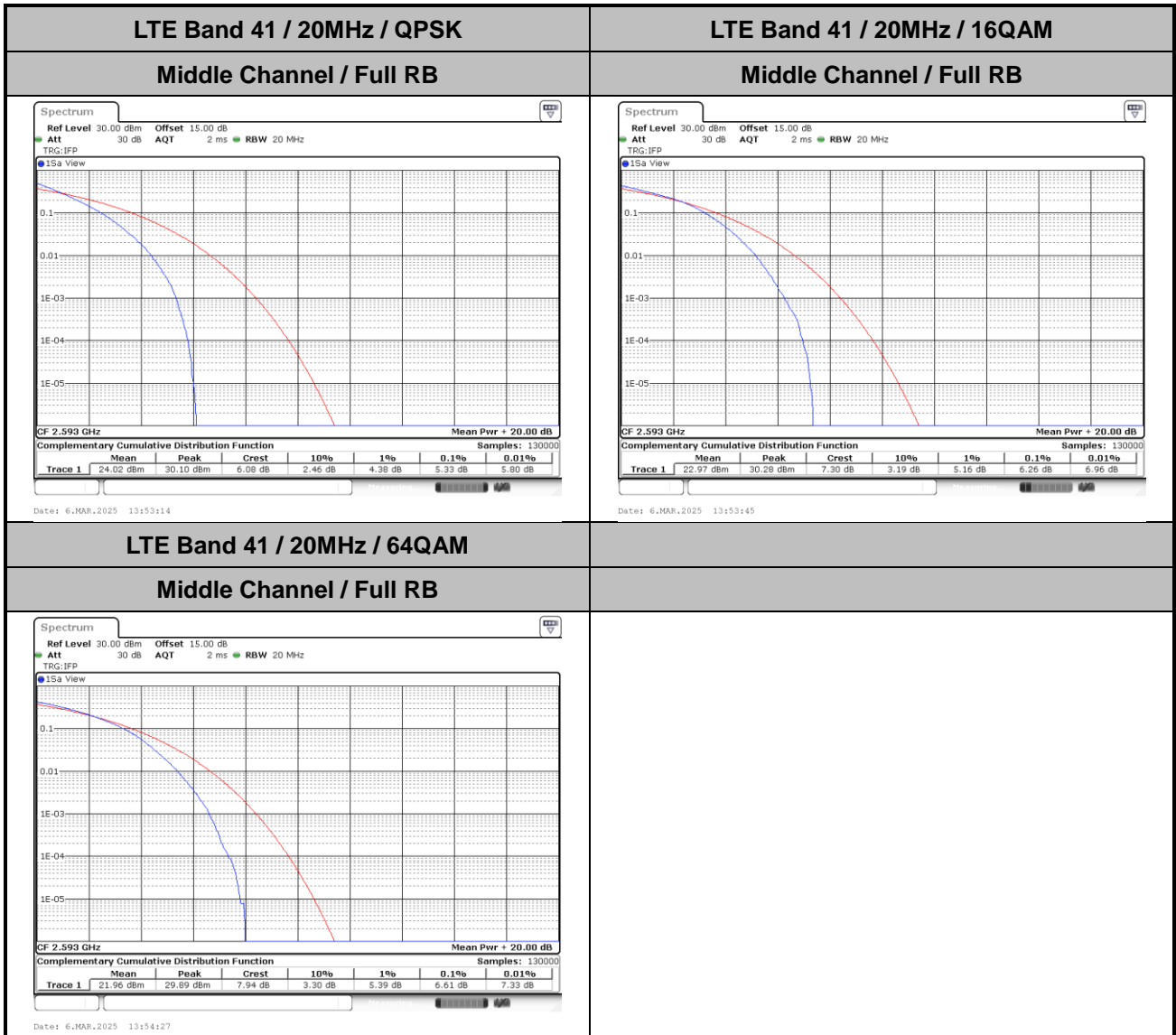
1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.45 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



# 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	5.33	6.26	6.61	PASS





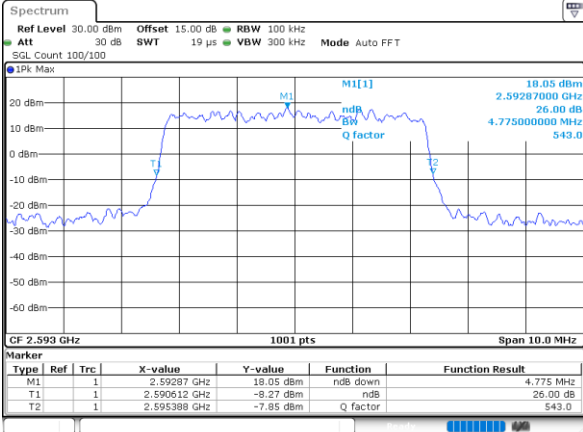
## 26dB Bandwidth

Mode	LTE Band 41 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.78	4.88	9.67	9.69	14.15	14.39	18.90	18.94



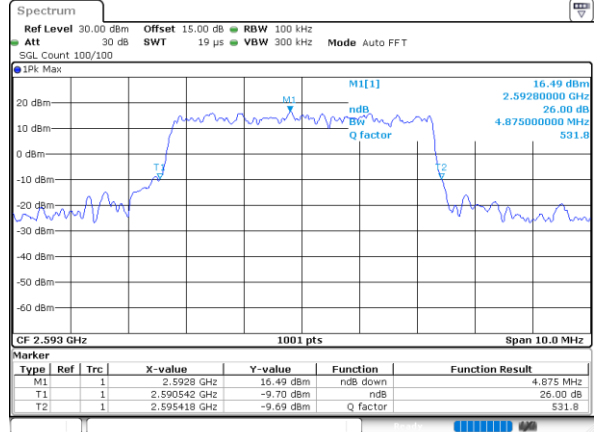
LTE Band 41

Middle Channel / 5MHz / QPSK



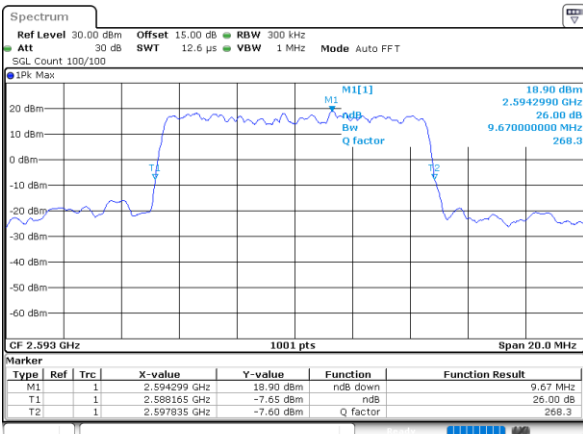
Date: 4.MAR.2025 15:08:45

Middle Channel / 5MHz / 16QAM



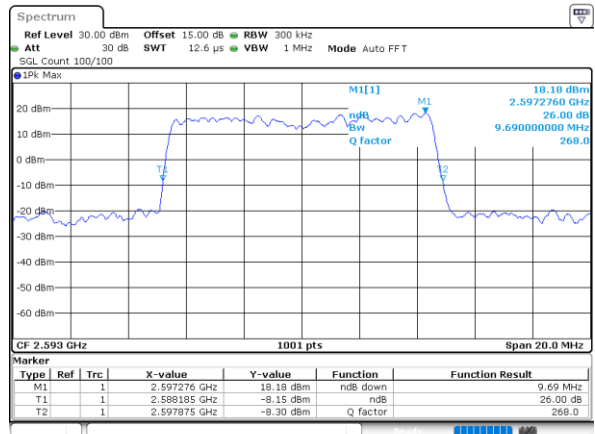
Date: 4.MAR.2025 15:09:25

Middle Channel / 10MHz / QPSK



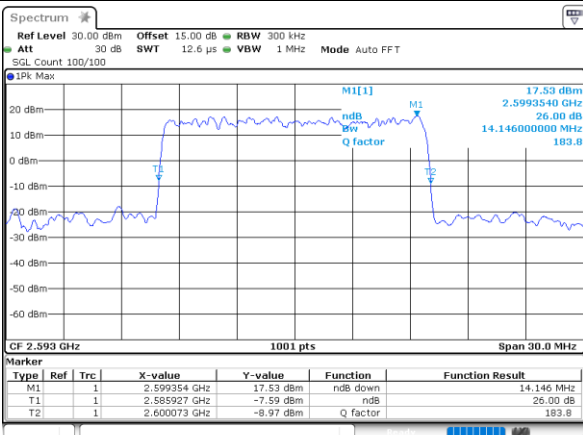
Date: 4.MAR.2025 15:29:49

Middle Channel / 10MHz / 16QAM



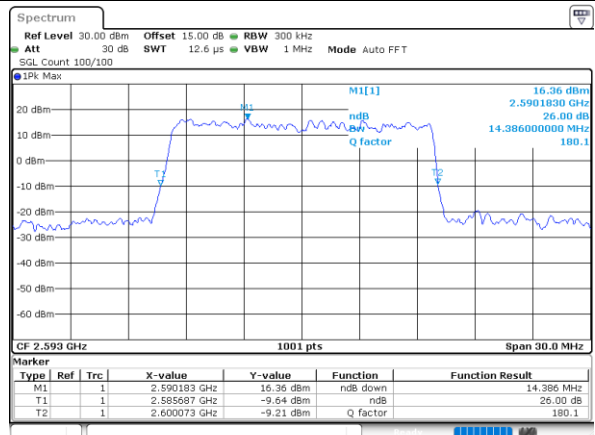
Date: 4.MAR.2025 15:30:30

Middle Channel / 15MHz / QPSK



Date: 5.MAR.2025 07:29:12

Middle Channel / 15MHz / 16QAM

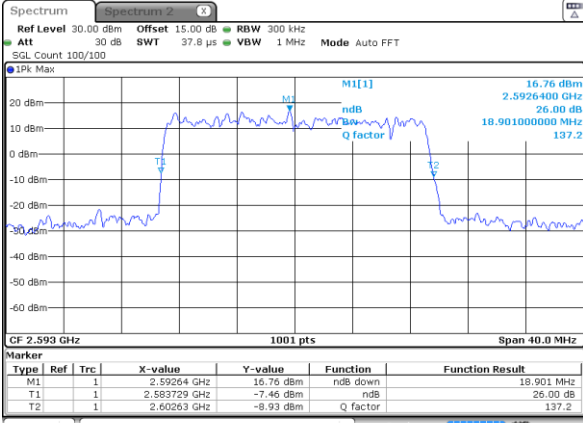


Date: 5.MAR.2025 07:29:53



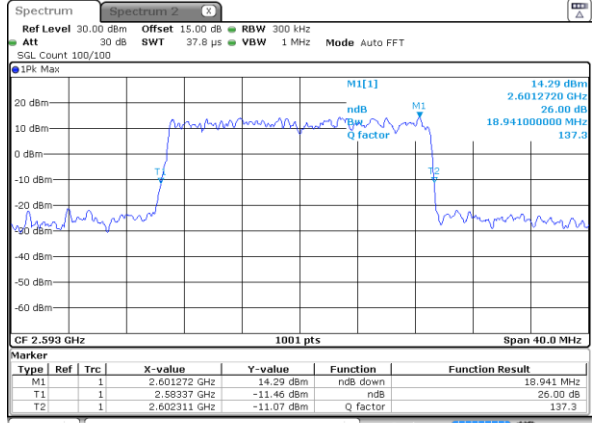
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 5 MAR 2025 13:49:38

Middle Channel / 20MHz / 16QAM



Date: 5 MAR 2025 13:50:17



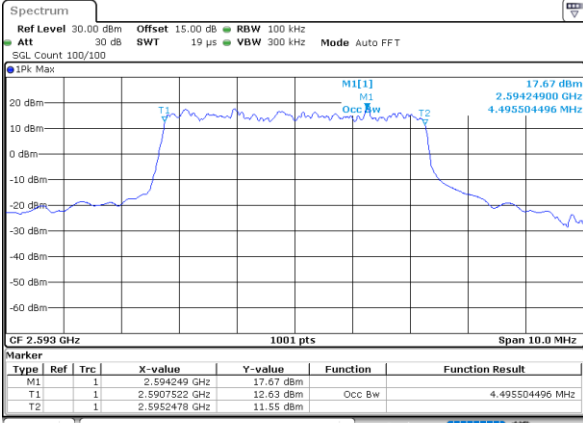
## Occupied Bandwidth

Mode	LTE Band 41 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.50	4.50	9.03	9.03	13.40	13.40	17.86	17.86



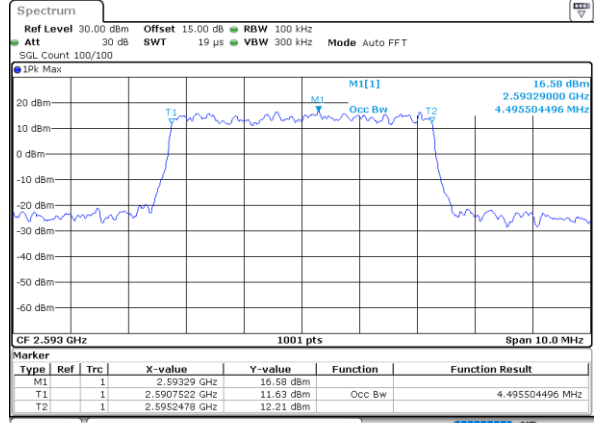
LTE Band 41

Middle Channel / 5MHz / QPSK



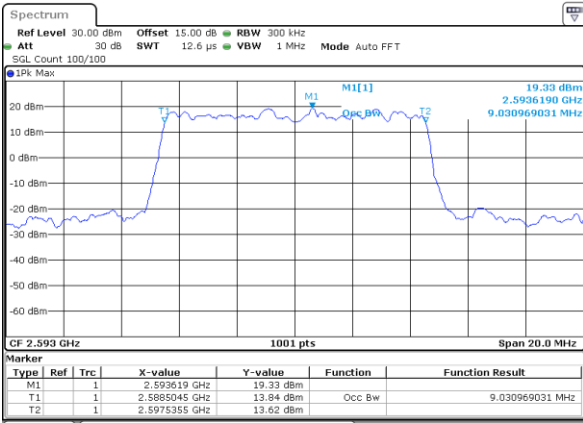
Date: 4.MAR.2025 15:08:31

Middle Channel / 5MHz / 16QAM



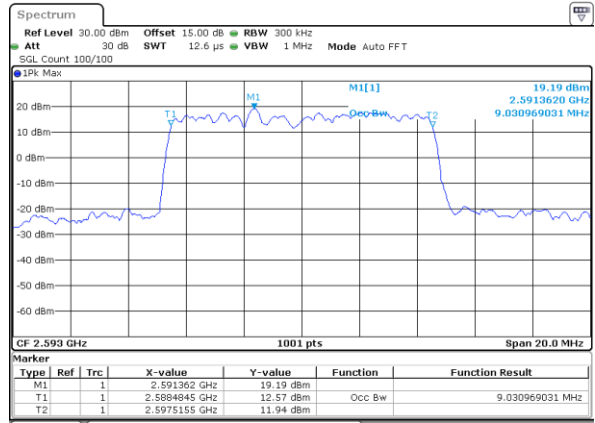
Date: 4.MAR.2025 15:09:11

Middle Channel / 10MHz / QPSK



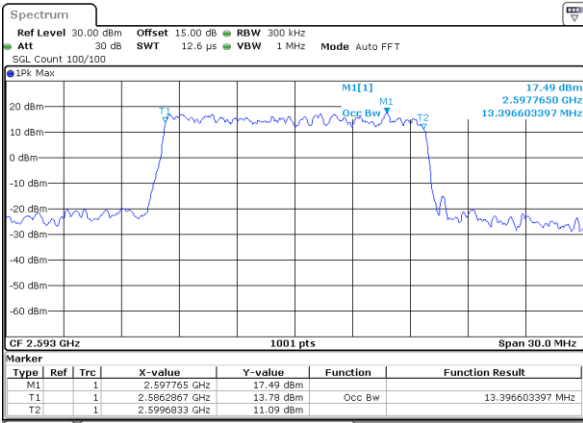
Date: 4.MAR.2025 15:29:34

Middle Channel / 10MHz / 16QAM



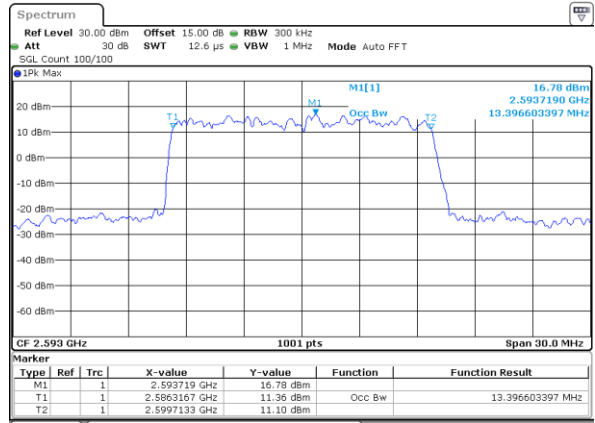
Date: 4.MAR.2025 15:30:15

Middle Channel / 15MHz / QPSK



Date: 5.MAR.2025 07:28:58

Middle Channel / 15MHz / 16QAM

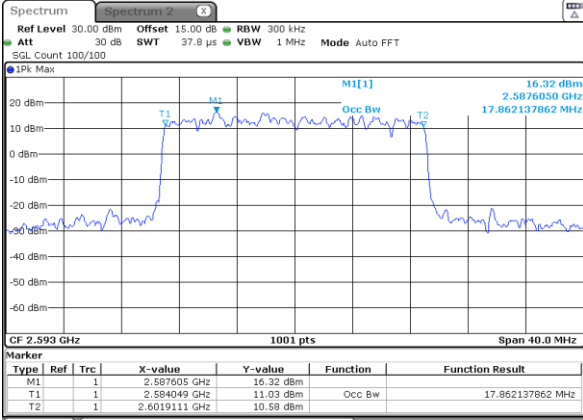


Date: 5.MAR.2025 07:29:38

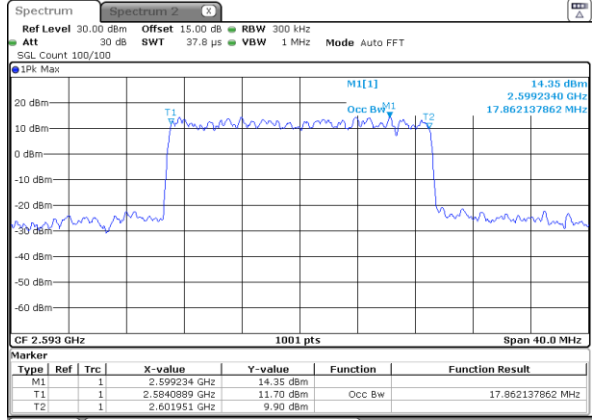


LTE Band 41

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

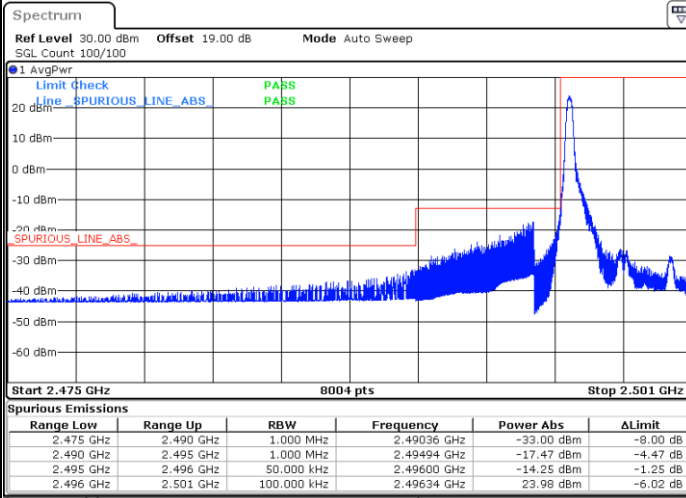




# Conducted Band Edge

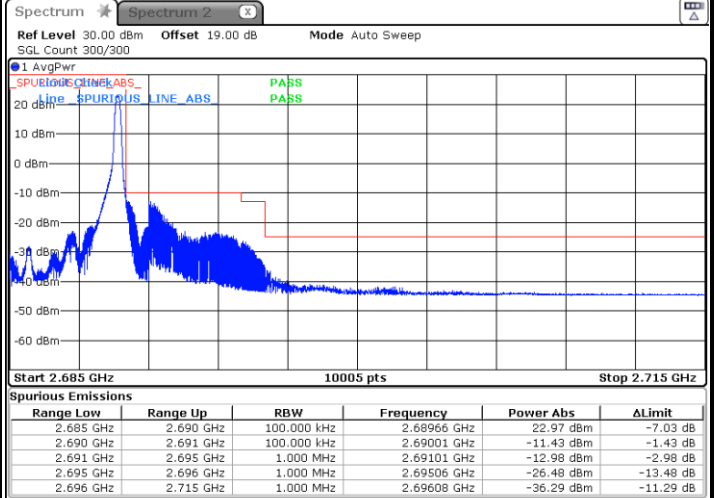
## LTE Band 41 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



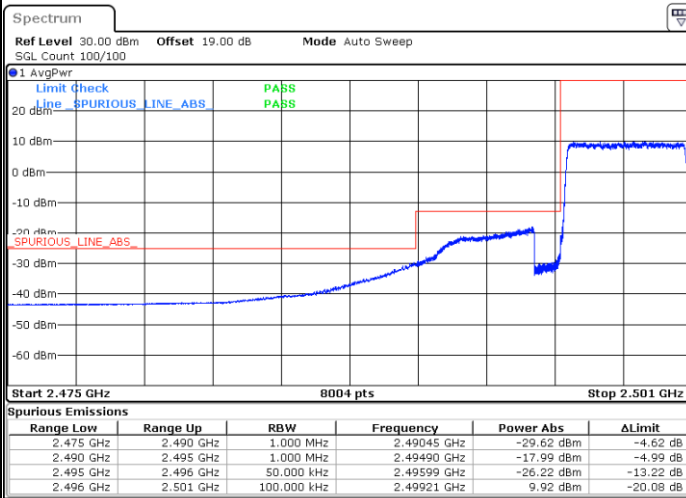
Date: 4.MAR.2025 14:59:10

### Highest Band Edge / 1 RB



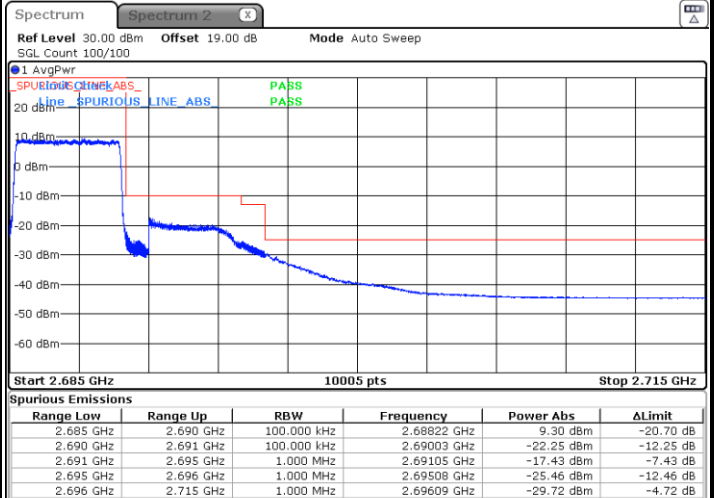
Date: 6.MAR.2025 11:20:05

### Lowest Band Edge / Full RB



Date: 4.MAR.2025 15:05:22

### Highest Band Edge / Full RB

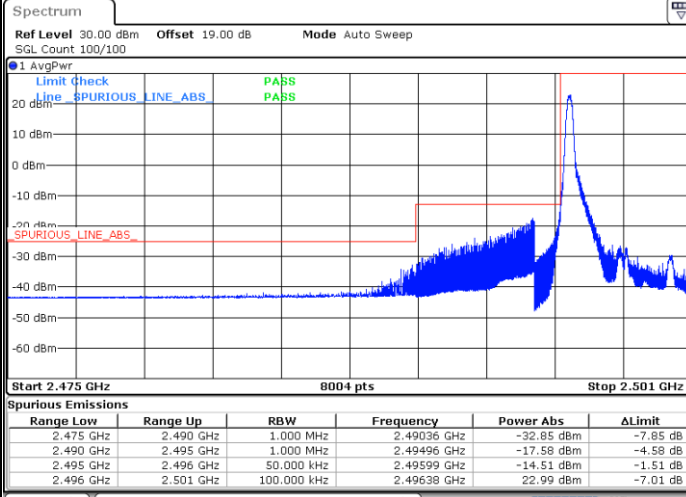


Date: 6.MAR.2025 11:33:56



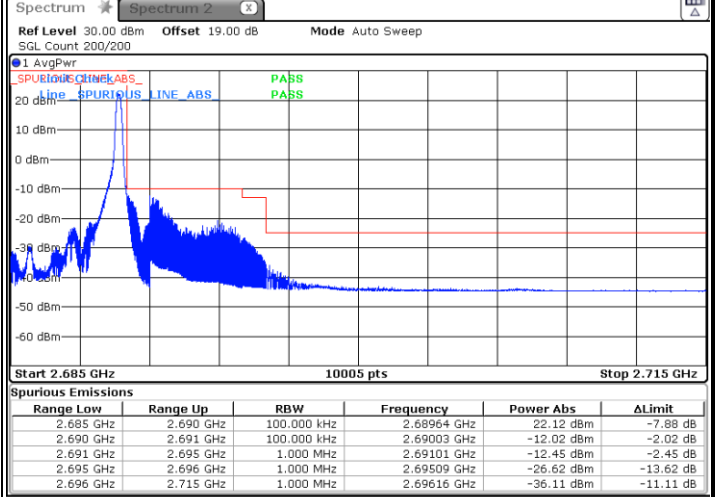
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



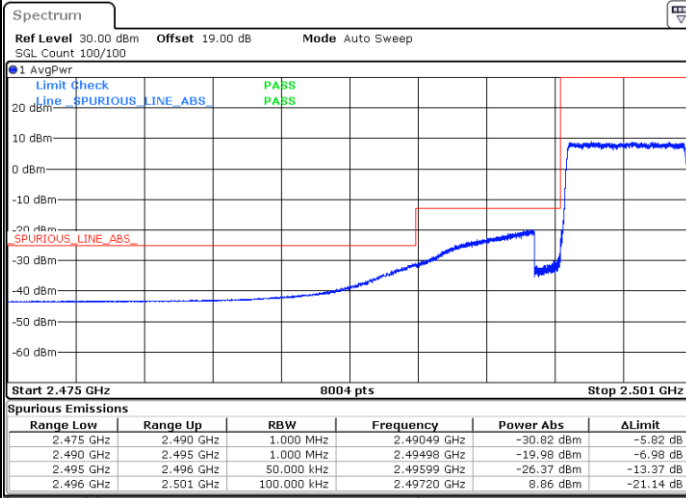
Date: 4.MAR.2025 15:00:25

Highest Band Edge / 1 RB



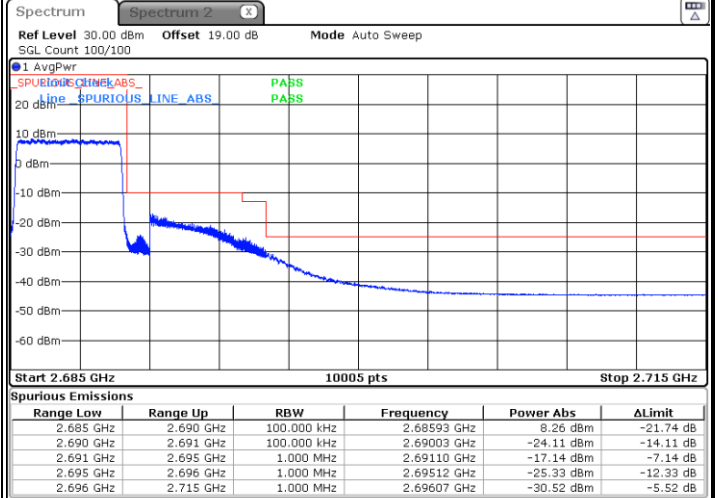
Date: 6.MAR.2025 11:23:52

Lowest Band Edge / Full RB



Date: 4.MAR.2025 15:04:07

Highest Band Edge / Full RB

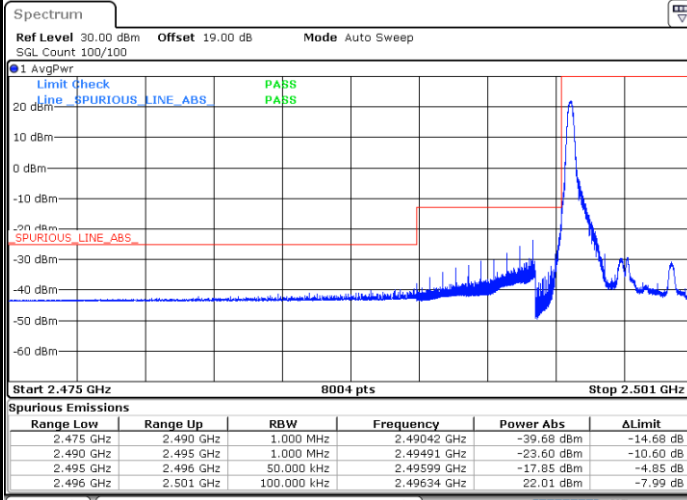


Date: 6.MAR.2025 11:31:43



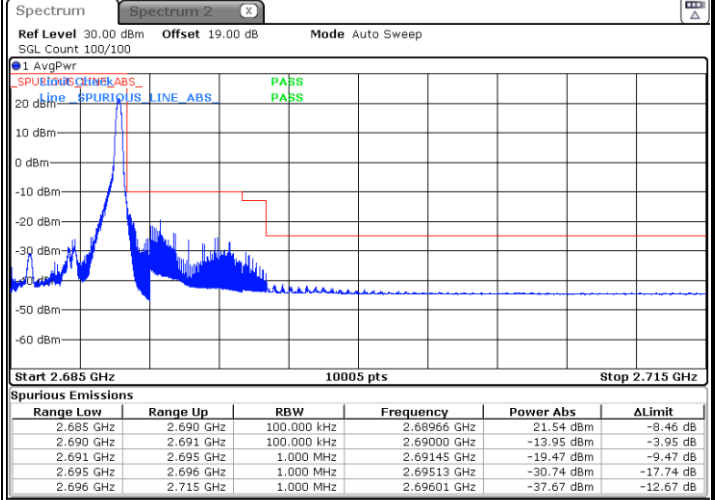
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



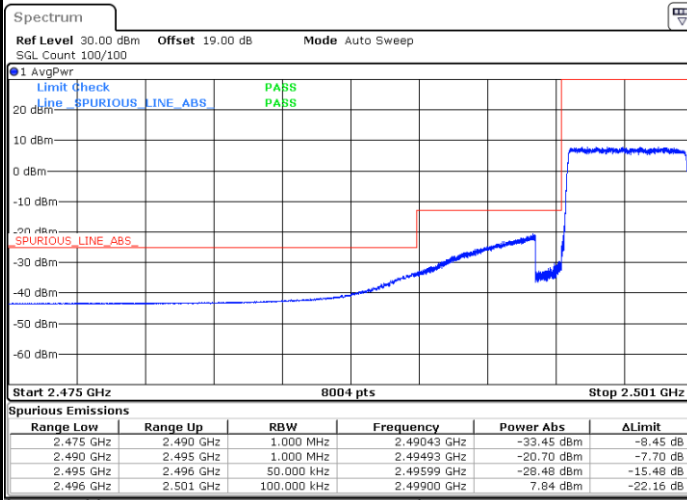
Date: 4.MAR.2025 15:01:39

Highest Band Edge / 1 RB



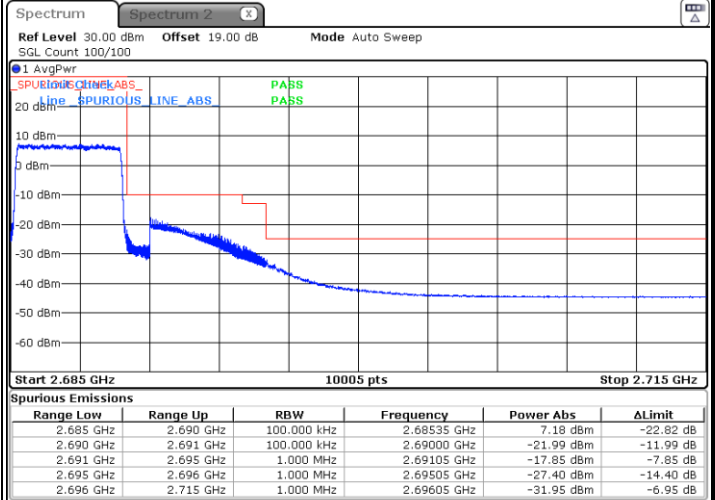
Date: 6.MAR.2025 11:25:38

Lowest Band Edge / Full RB



Date: 4.MAR.2025 15:02:53

Highest Band Edge / Full RB



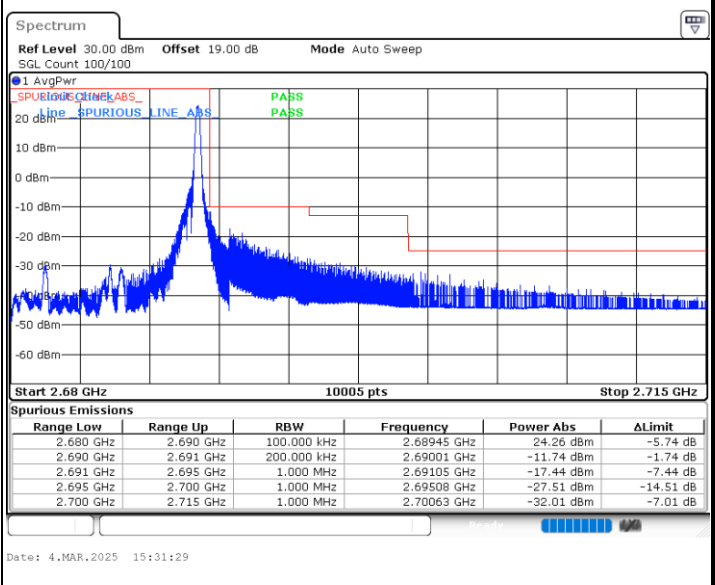
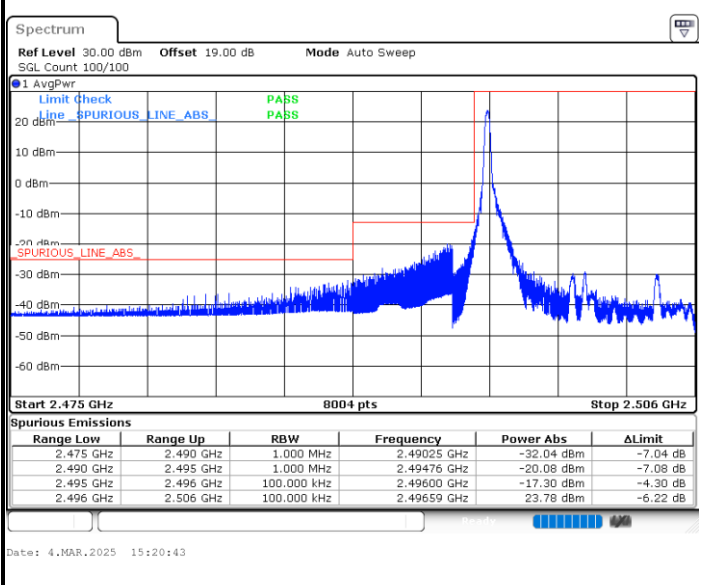
Date: 6.MAR.2025 11:27:25

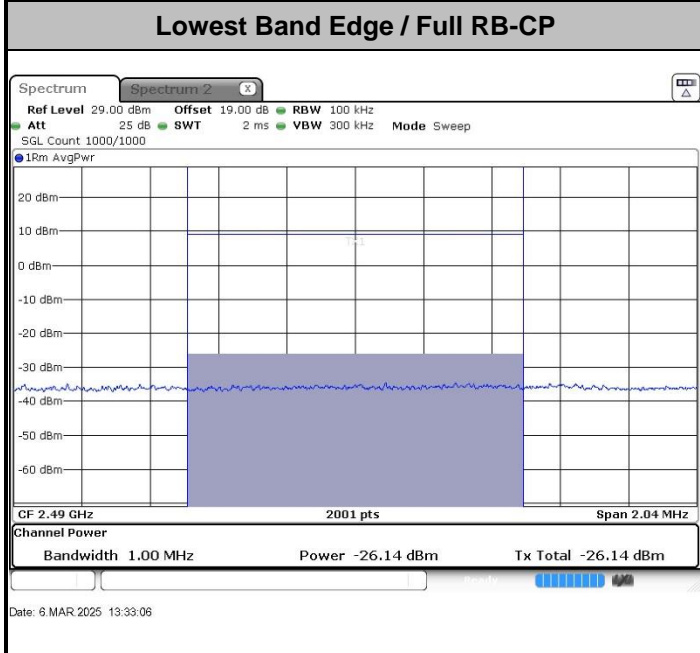
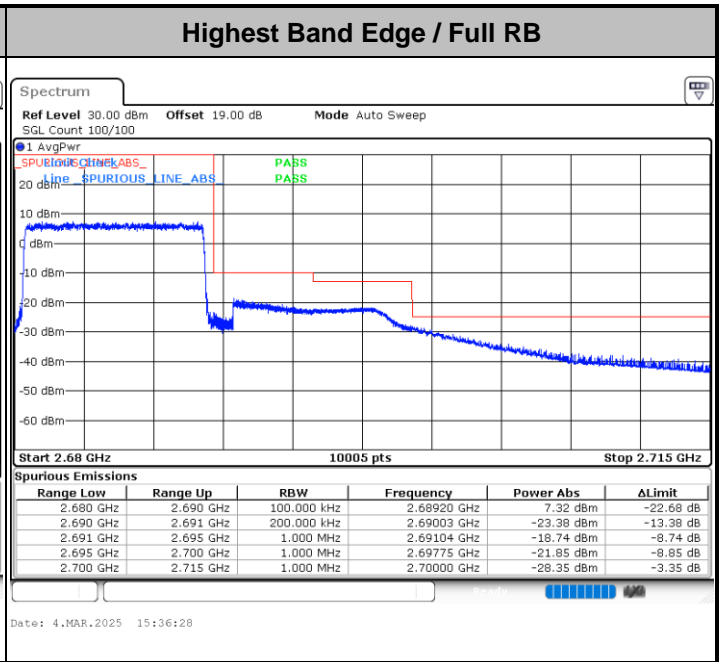
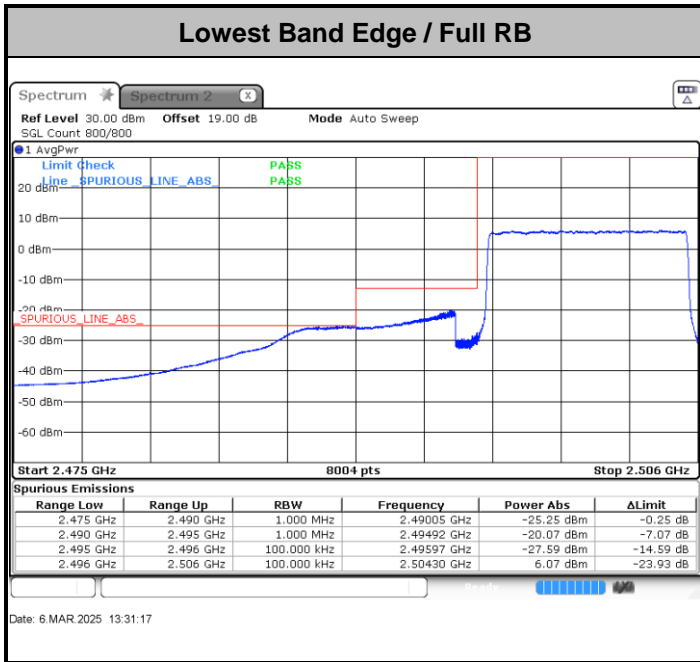


LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

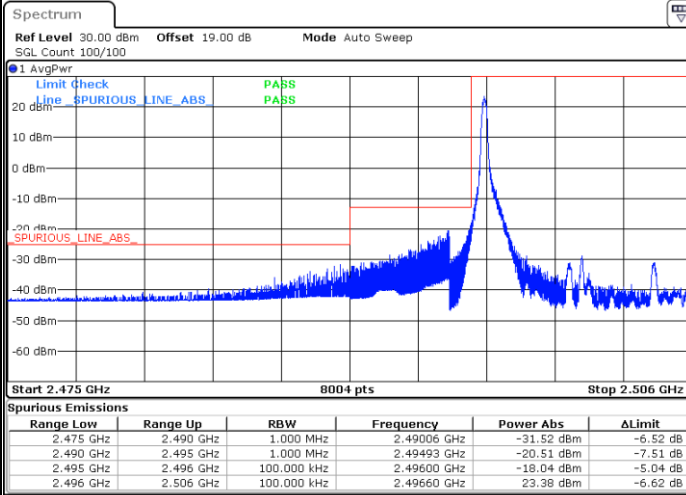






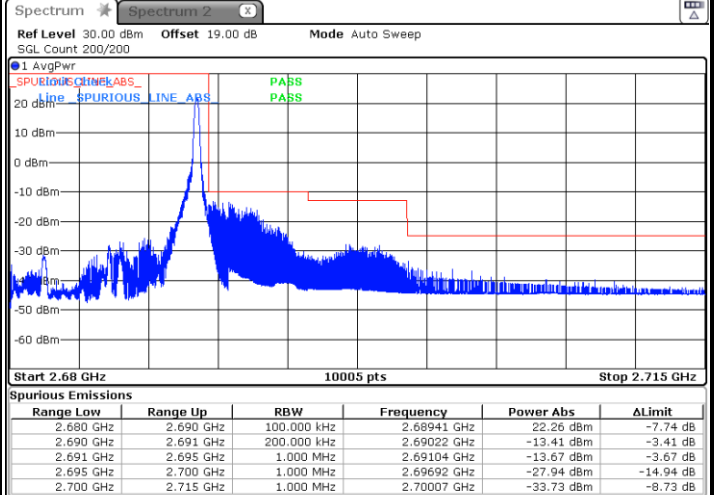
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1RB



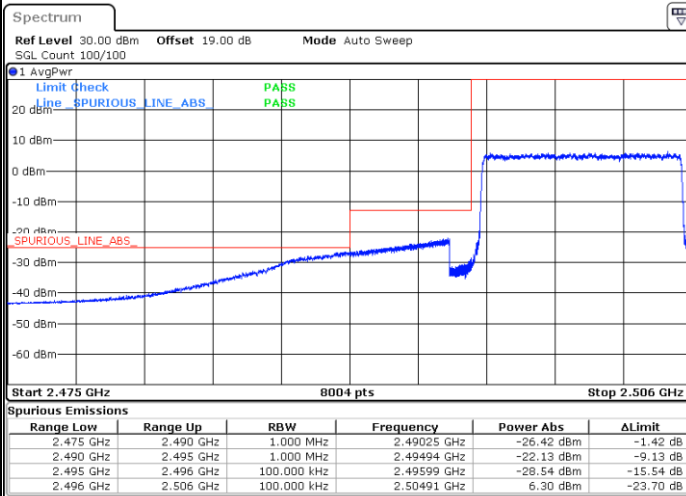
Date: 4.MAR.2025 15:21:52

Highest Band Edge / 1 RB



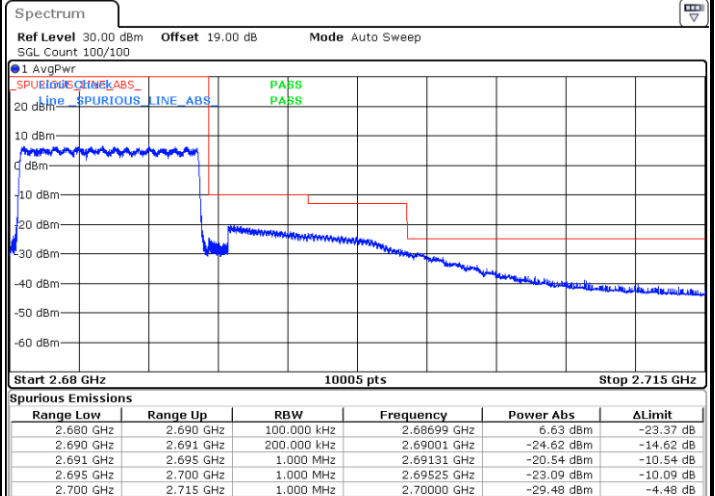
Date: 6.MAR.2025 11:45:59

Lowest Band Edge / Full RB



Date: 4.MAR.2025 15:25:19

Highest Band Edge / Full RB

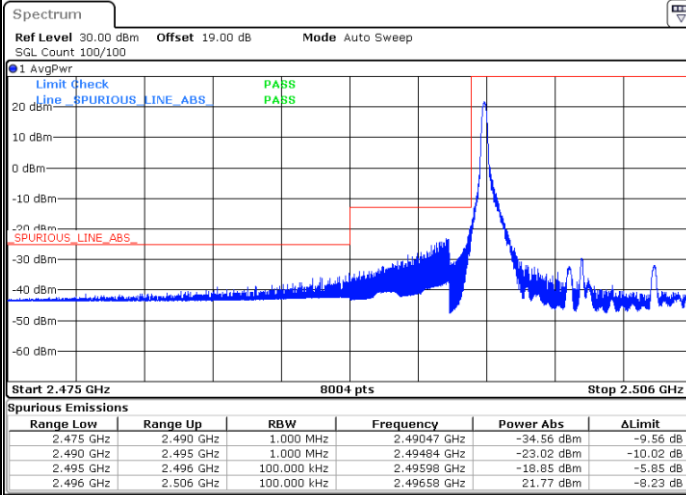


Date: 4.MAR.2025 15:35:29



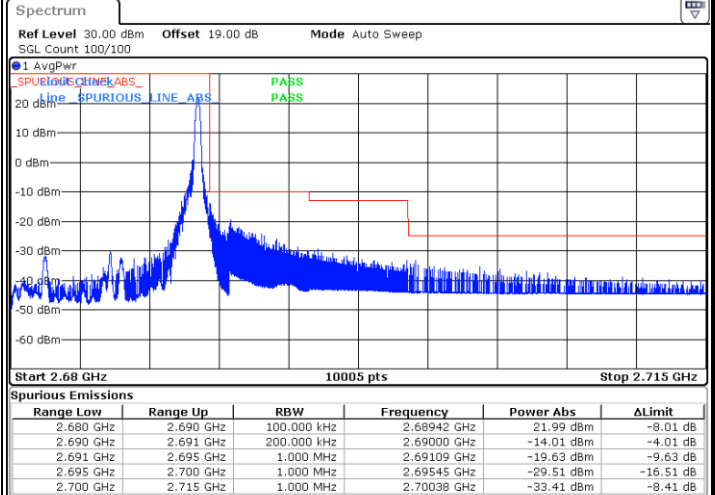
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1RB



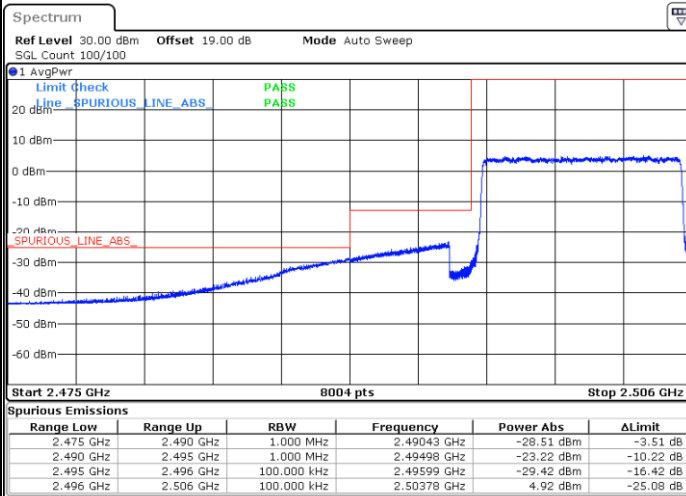
Date: 4.MAR.2025 15:23:01

Highest Band Edge / 1 RB



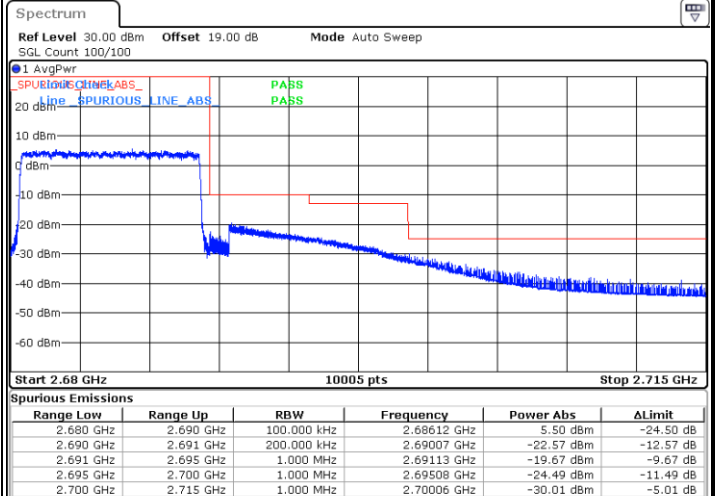
Date: 4.MAR.2025 15:33:28

Lowest Band Edge / Full RB



Date: 4.MAR.2025 15:24:10

Highest Band Edge / Full RB

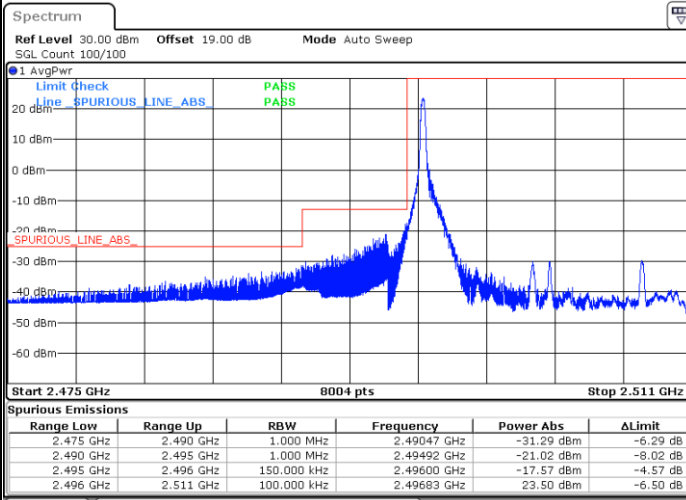


Date: 4.MAR.2025 15:34:27



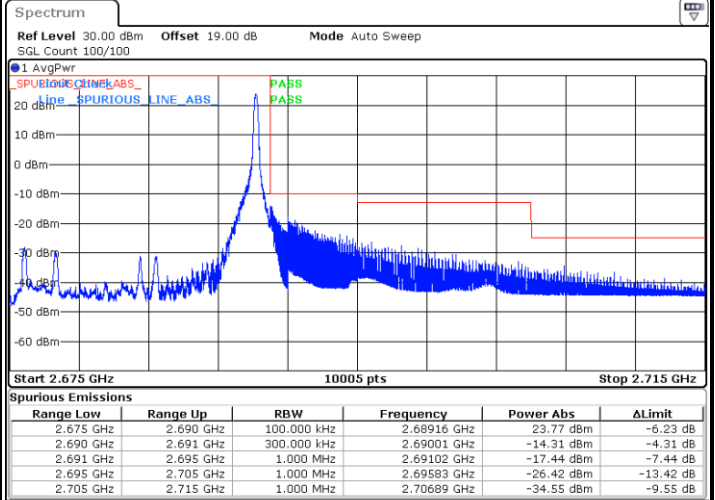
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



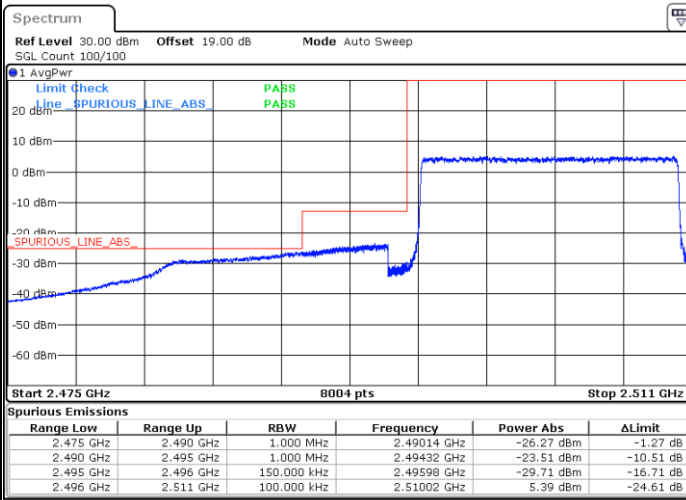
Date: 5.MAR.2025 06:44:15

Highest Band Edge / 1 RB



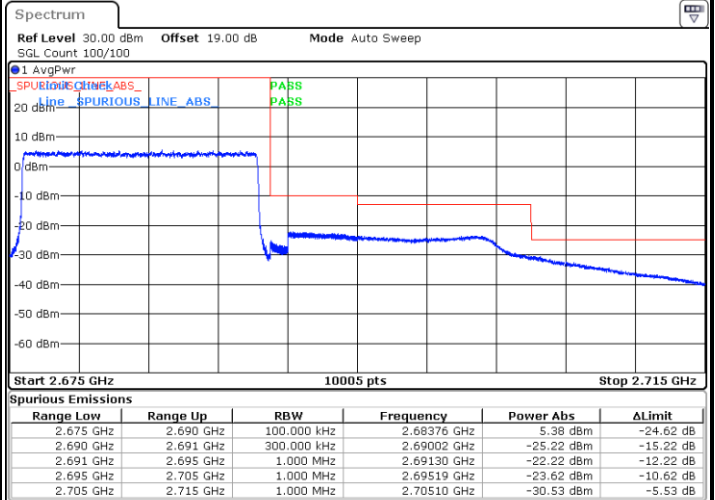
Date: 5.MAR.2025 07:31:00

Lowest Band Edge / Full RB



Date: 5.MAR.2025 07:25:50

Highest Band Edge / Full RB

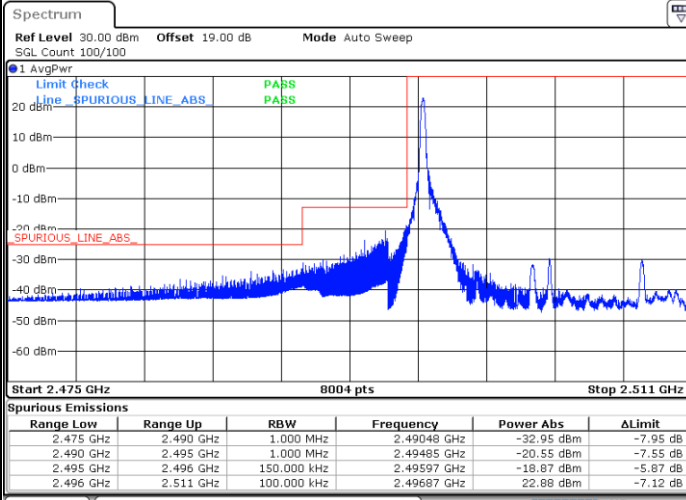


Date: 5.MAR.2025 07:36:37



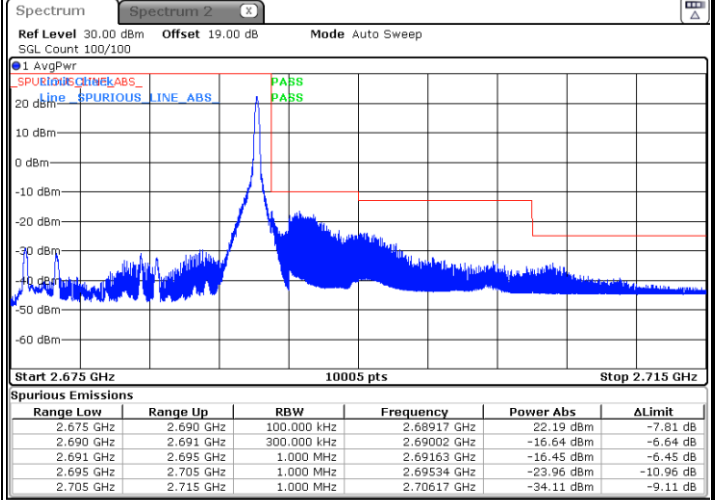
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1RB



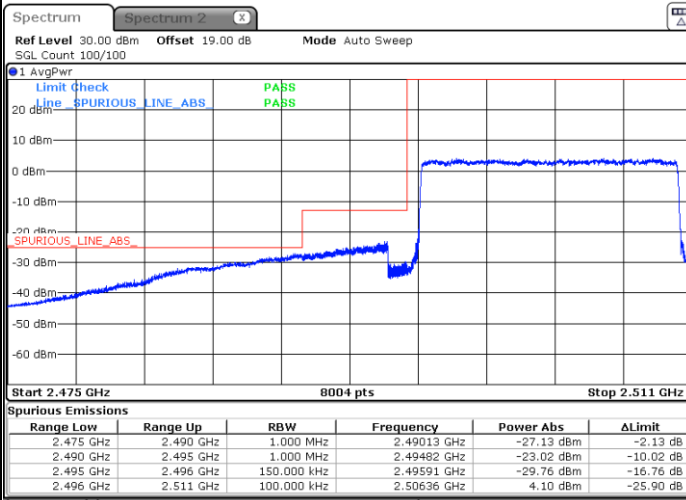
Date: 5.MAR.2025 06:45:19

Highest Band Edge / 1 RB



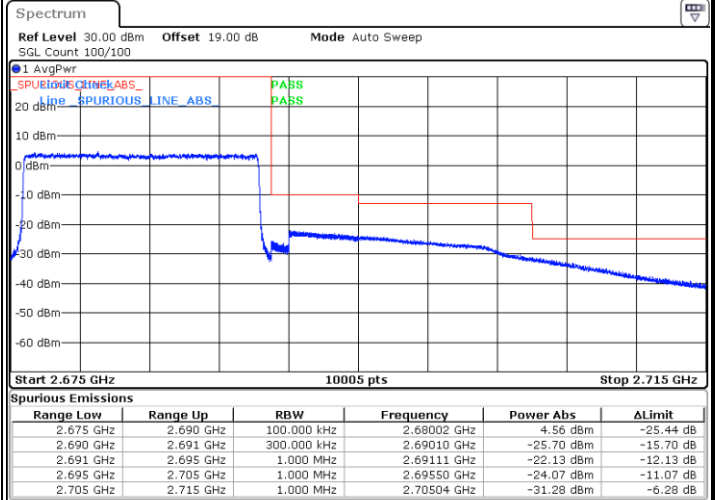
Date: 6.MAR.2025 11:50:40

Lowest Band Edge / Full RB



Date: 6.MAR.2025 11:48:47

Highest Band Edge / Full RB

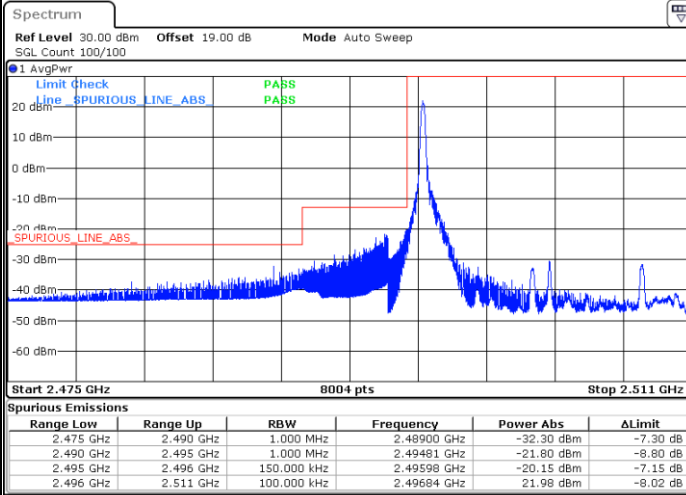


Date: 5.MAR.2025 07:35:28



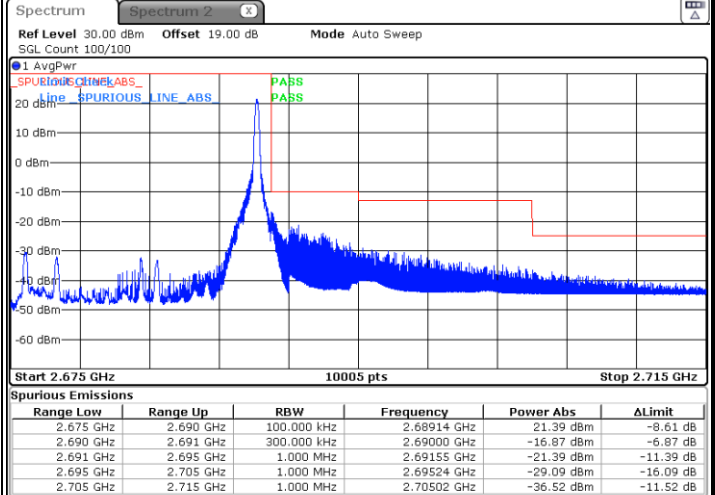
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1RB



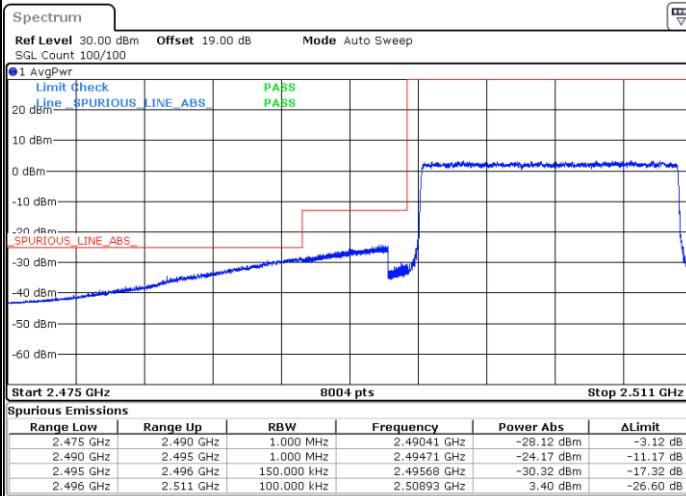
Date: 5.MAR.2025 06:46:24

Highest Band Edge / 1 RB



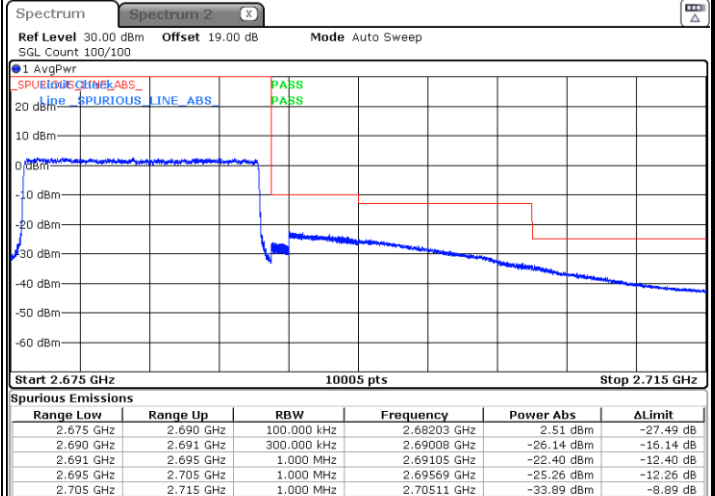
Date: 6.MAR.2025 11:51:53

Lowest Band Edge / Full RB



Date: 5.MAR.2025 07:21:09

Highest Band Edge / Full RB

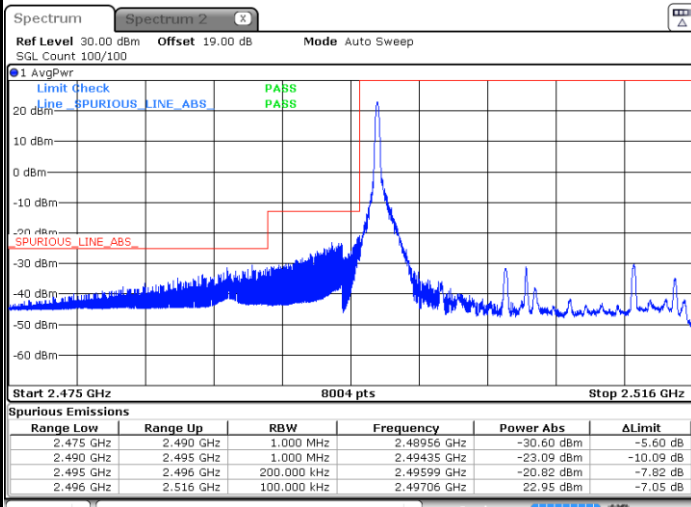


Date: 6.MAR.2025 11:55:00



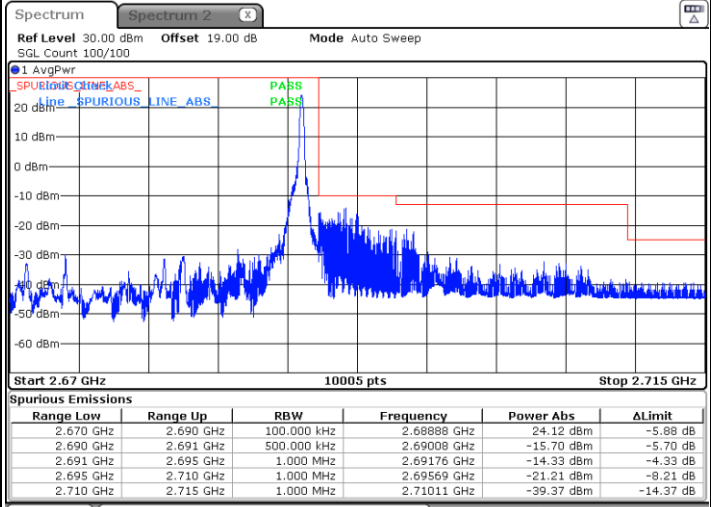
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



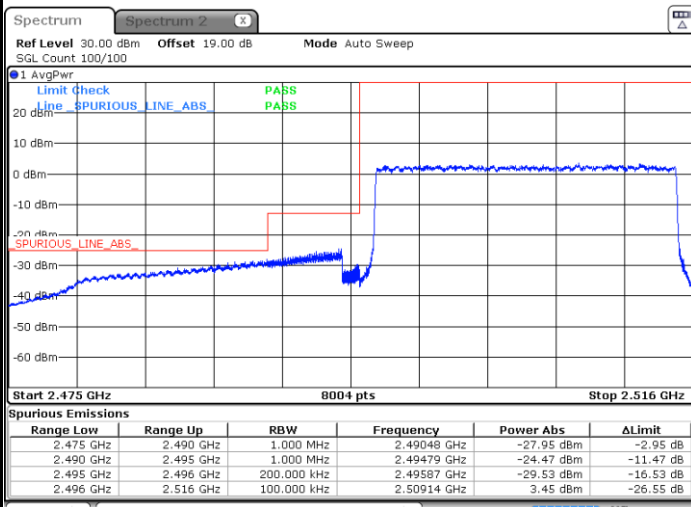
Date: 5 MAR 2025 13:42:40

Highest Band Edge / 1 RB



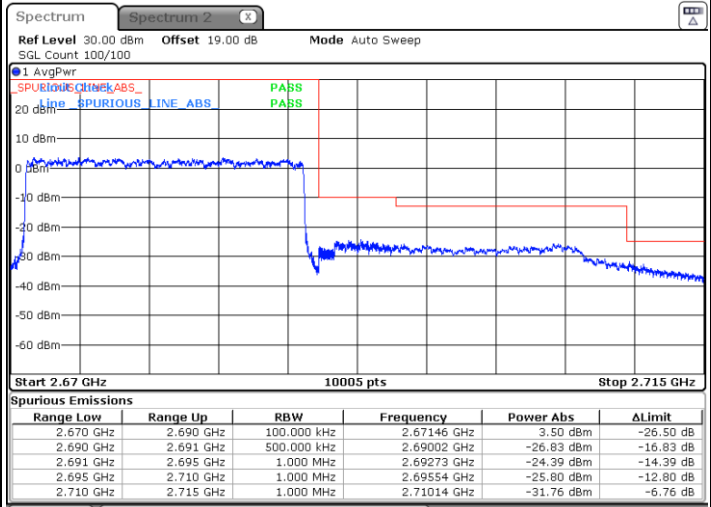
Date: 6 MAR 2025 12:00:14

Lowest Band Edge / Full RB



Date: 5 MAR 2025 13:46:39

Highest Band Edge / Full RB

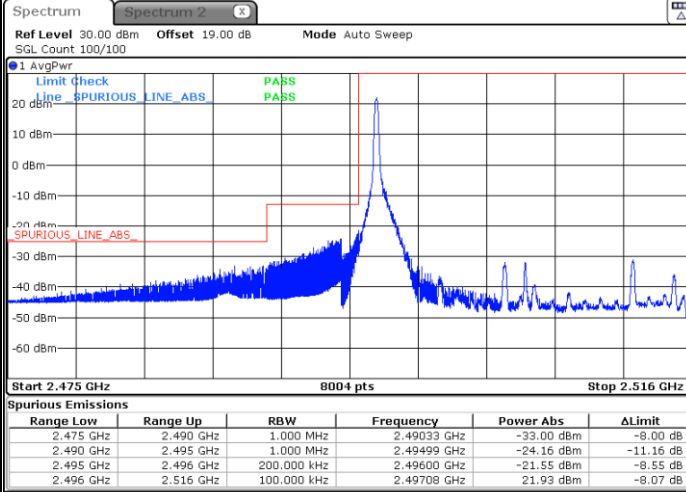


Date: 6 MAR 2025 14:35:26



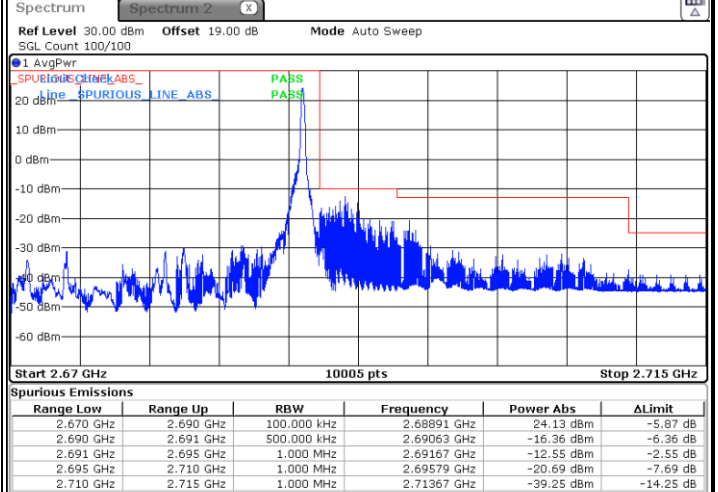
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1RB



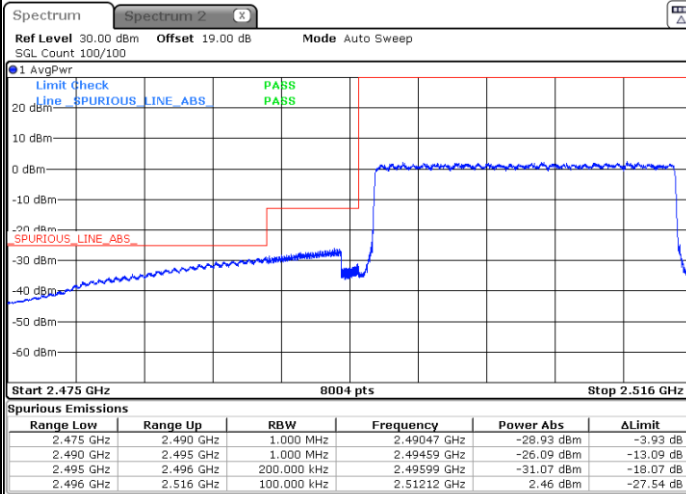
Date: 5 MAR 2025 13:43:28

Highest Band Edge / 1 RB



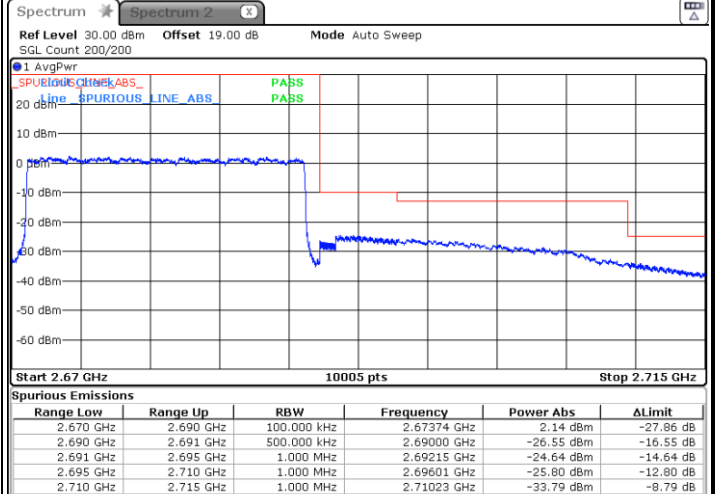
Date: 6 MAR 2025 11:59:18

Lowest Band Edge / Full RB



Date: 5 MAR 2025 13:45:51

Highest Band Edge / Full RB



Date: 6 MAR 2025 14:38:22