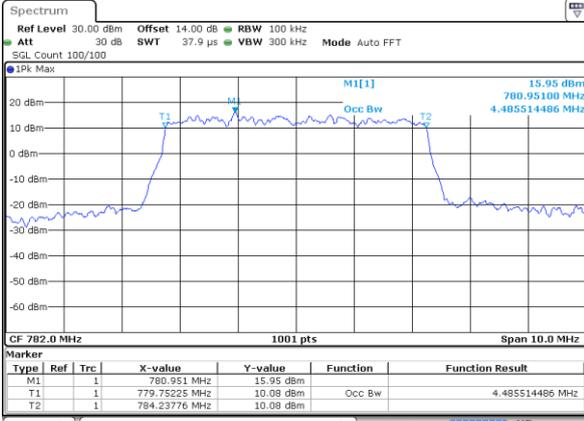




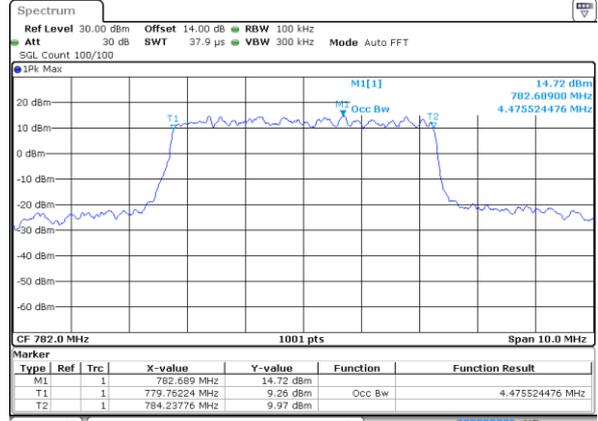
LTE Band 13

Middle Channel / 5MHz / QPSK



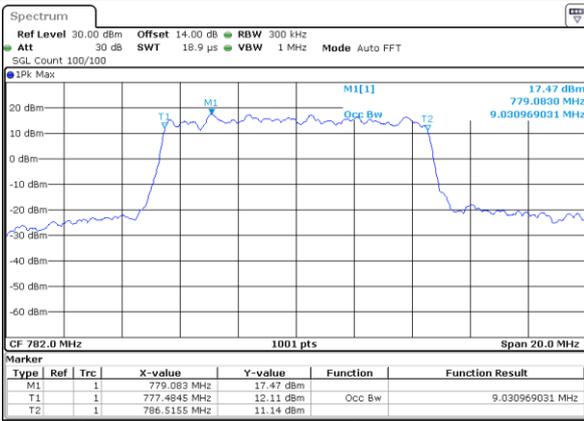
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Middle Channel / 5MHz / 16QAM



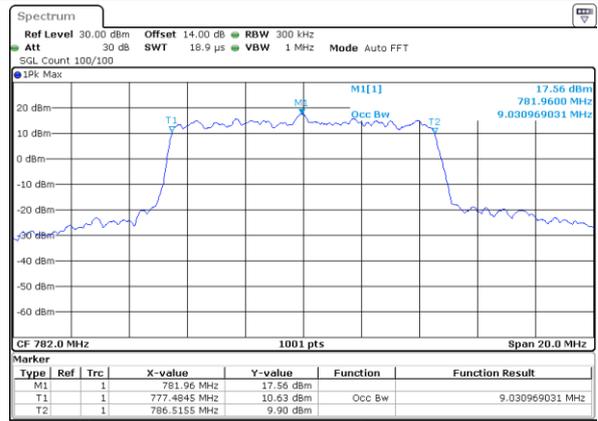
Date: 24 APR 2025 08:41:45

Middle Channel / 10MHz / QPSK



Date: 24 APR 2025 09:04:26

Middle Channel / 10MHz / 16QAM



Date: 24 APR 2025 09:05:05

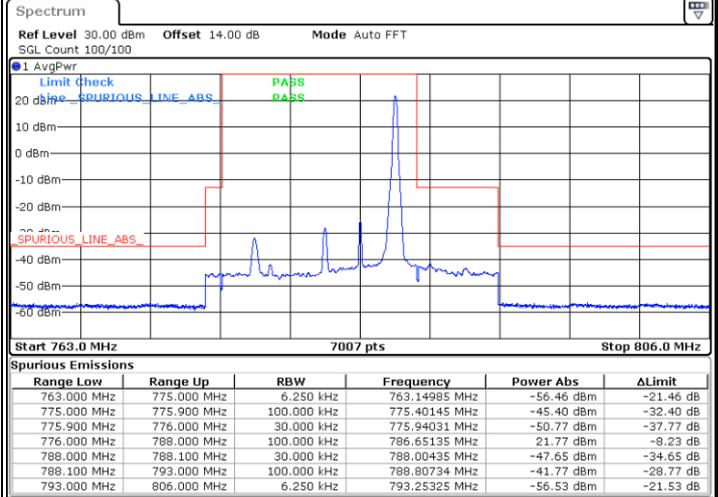
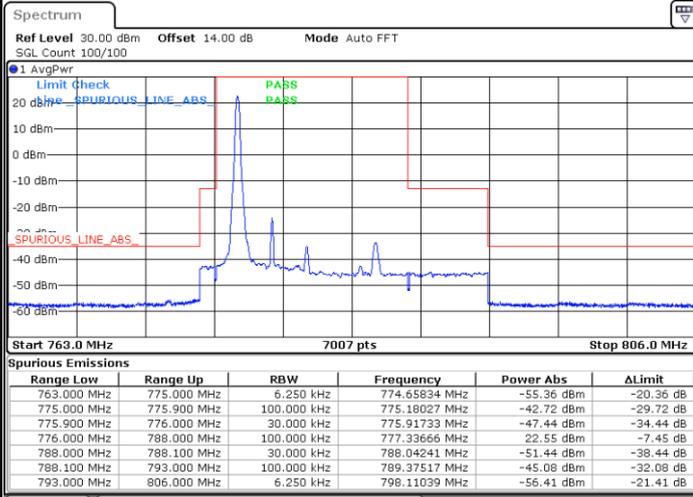


# Conducted Band Edge

## LTE Band 13 / 5MHz / QPSK

### Lowest Band Edge / 1 RB

### Highest Band Edge / 1 RB

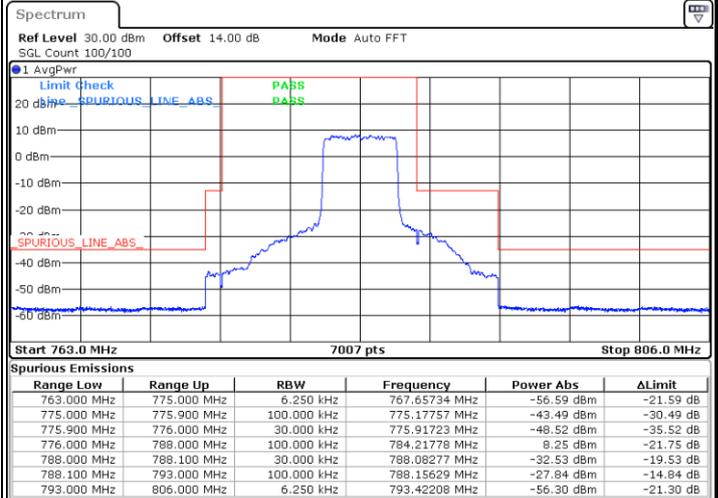
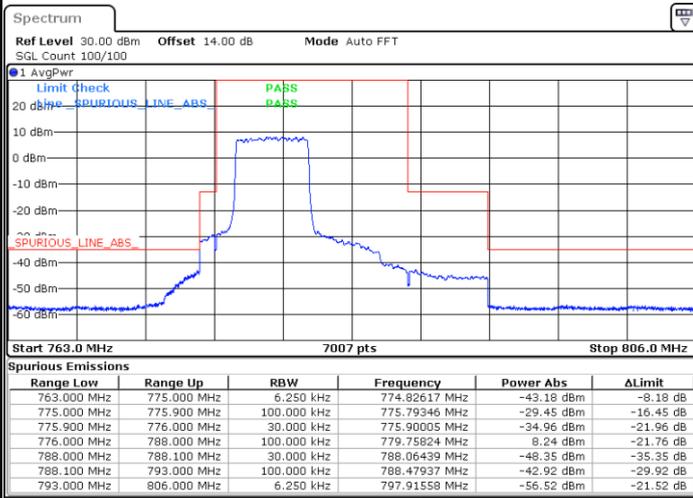


Date: 25 APR 2025 09:52:29

Date: 25 APR 2025 09:55:44

### Lowest Band Edge / Full RB

### Highest Band Edge / Full RB



Date: 25 APR 2025 09:54:12

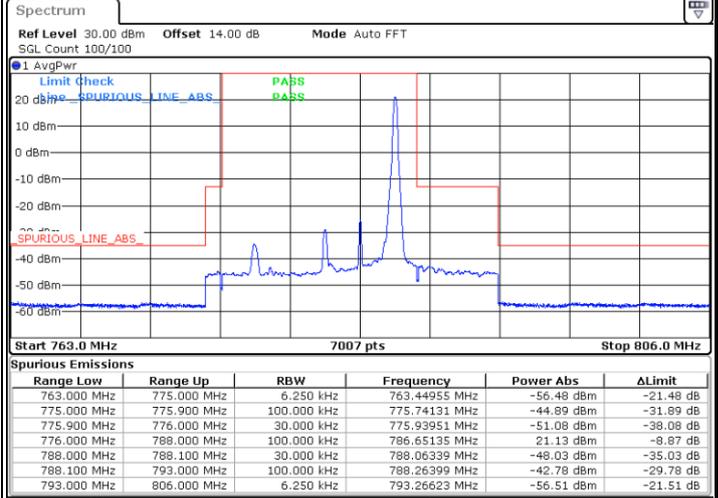
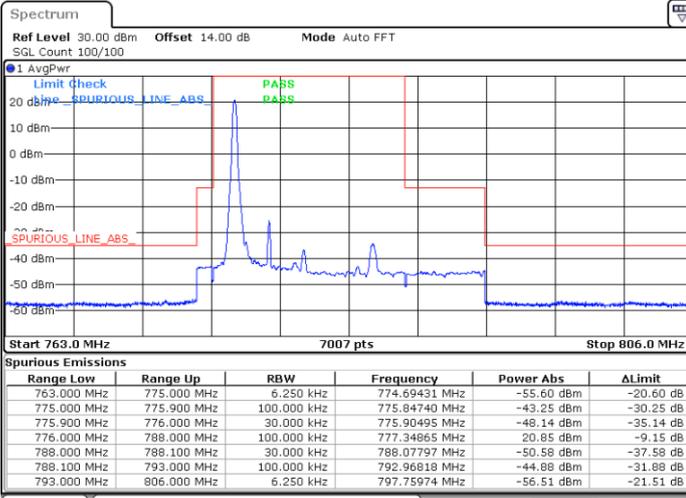
Date: 25 APR 2025 09:57:16



LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

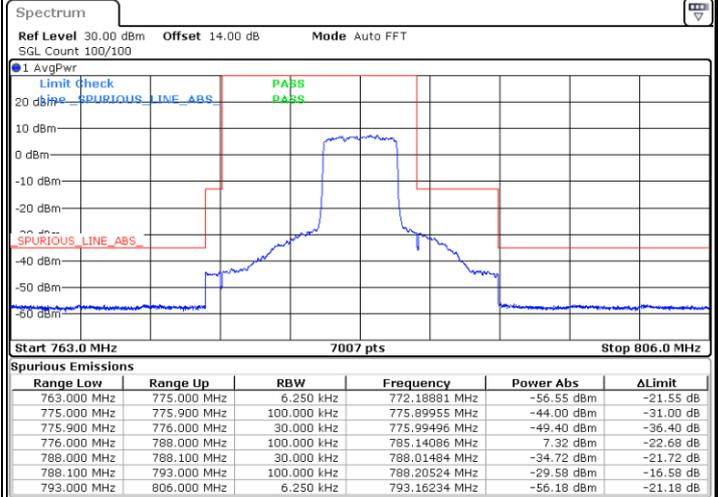
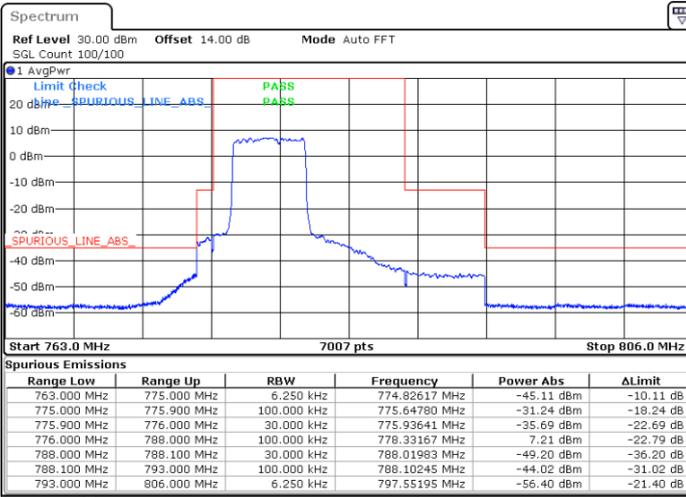


Date: 25 APR 2025 09:53:11

Date: 25 APR 2025 09:56:14

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25 APR 2025 09:54:43

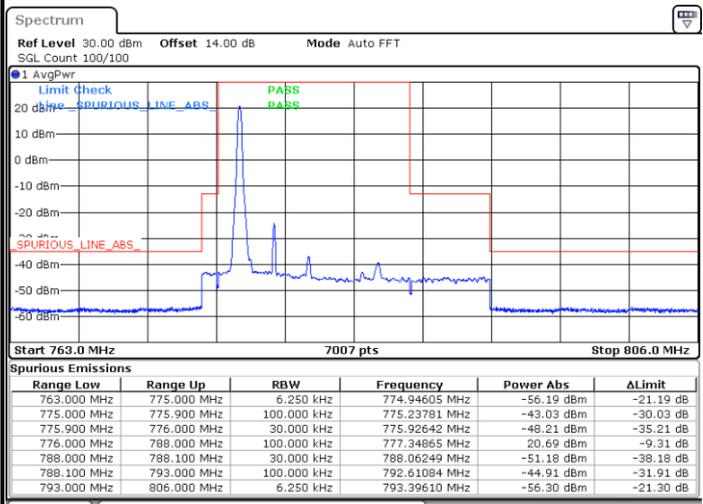
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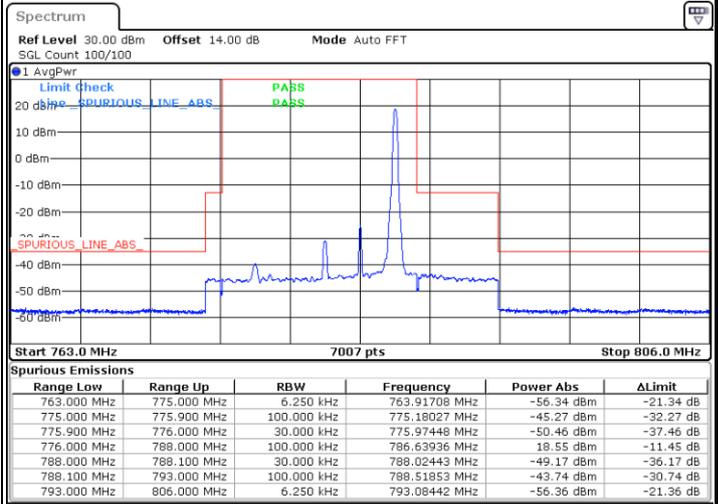
LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



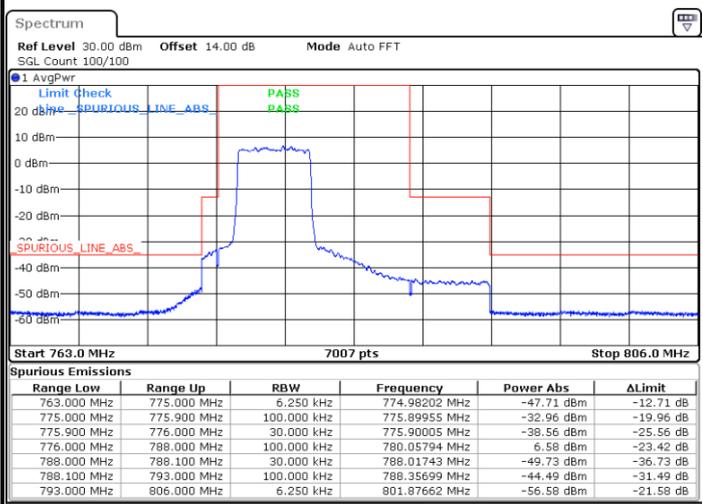
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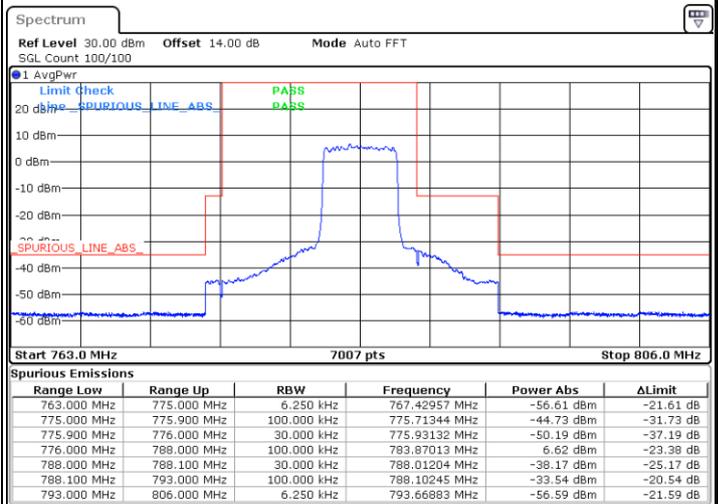
Date: 25 APR 2025 09:56:45

Lowest Band Edge / Full RB

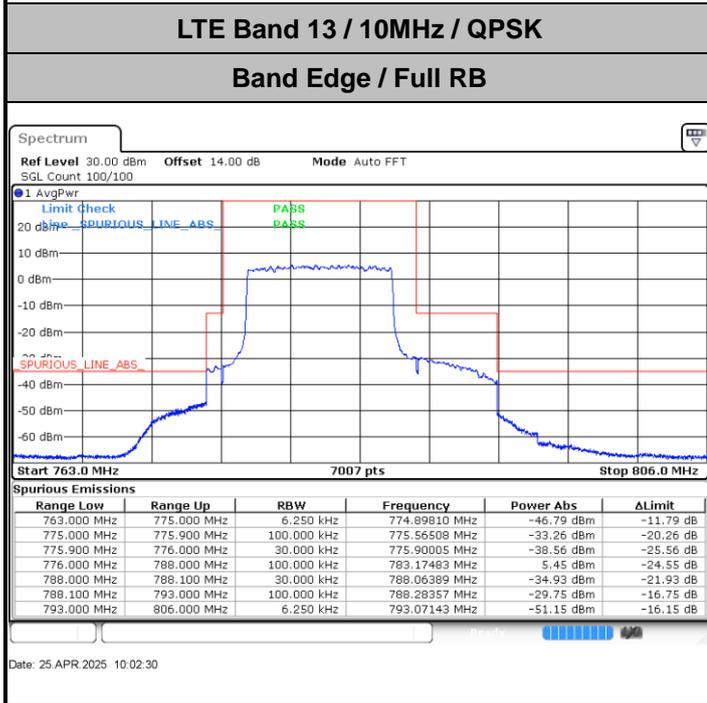
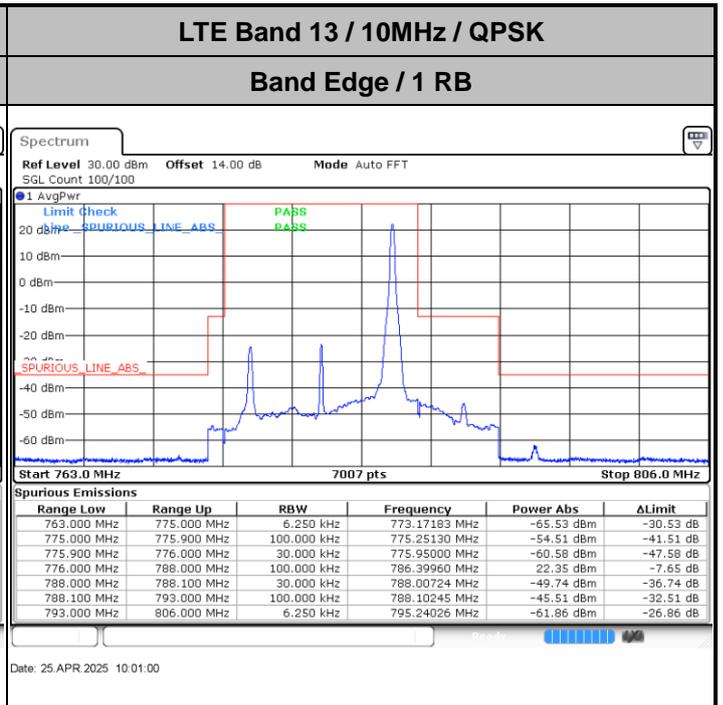
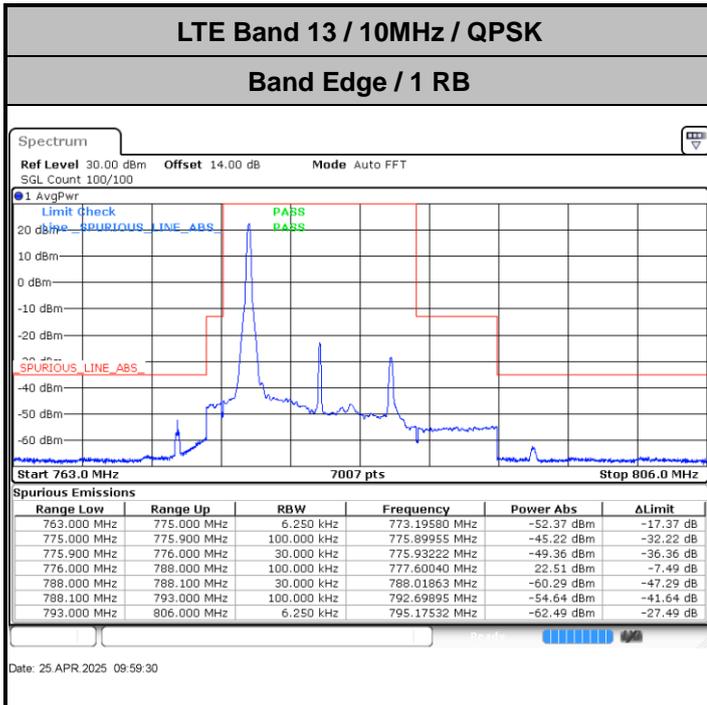
Highest Band Edge / Full RB

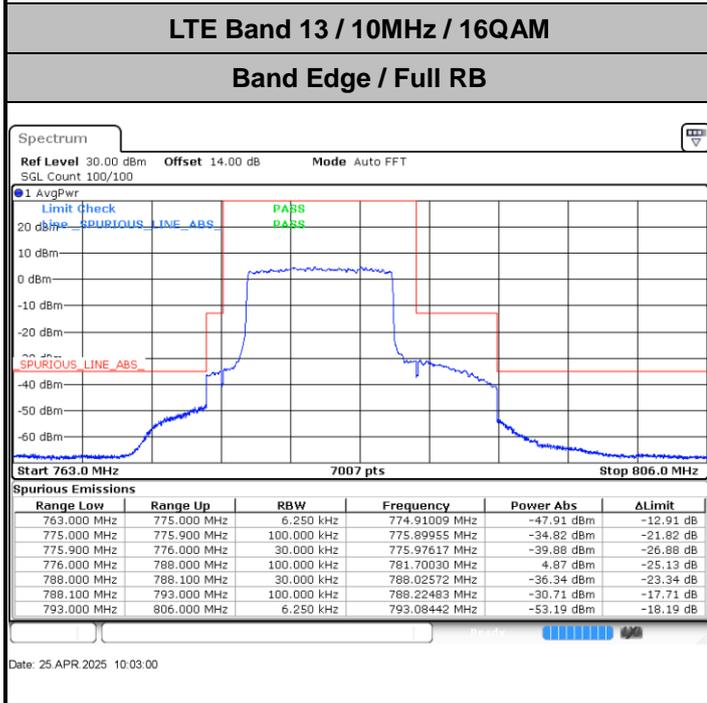
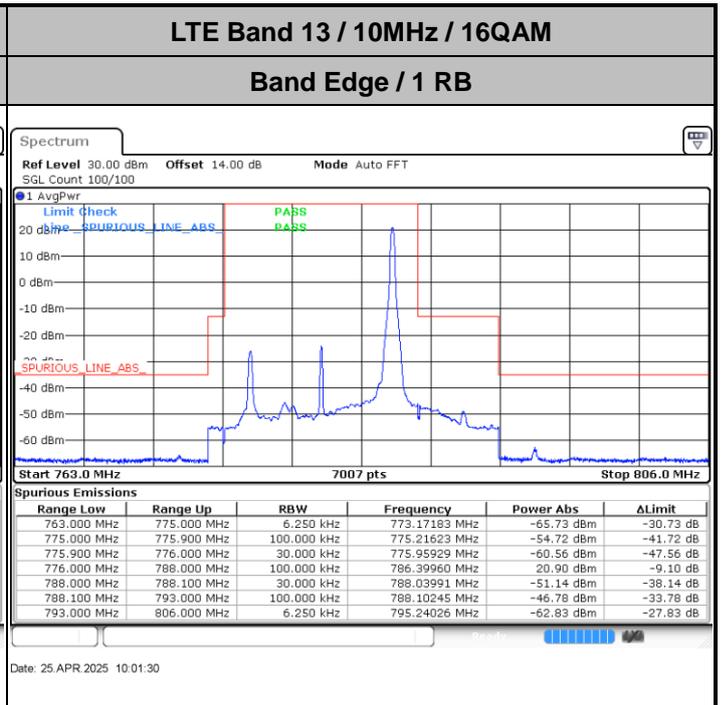
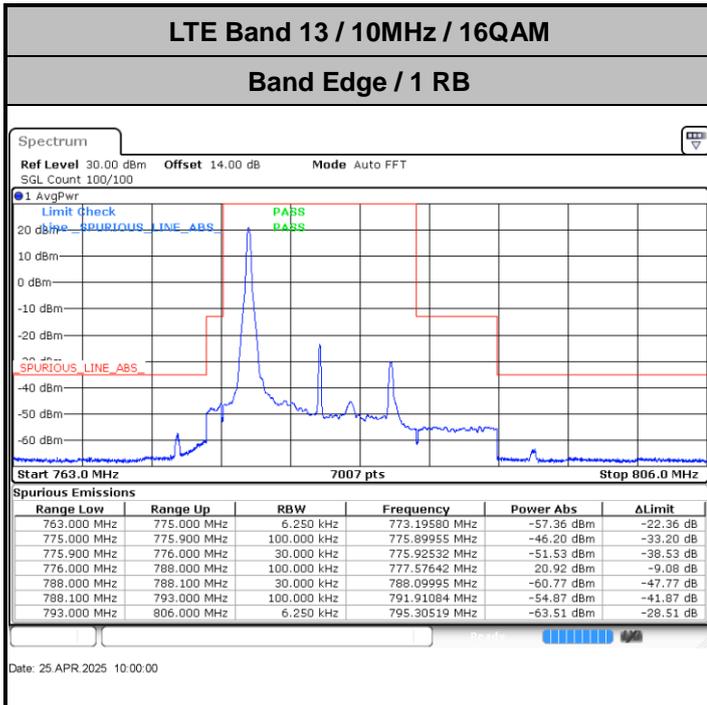


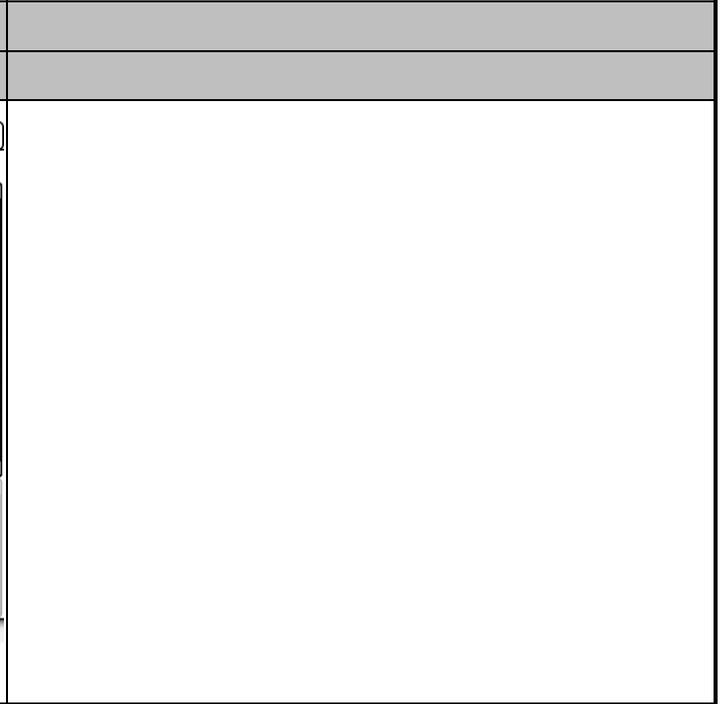
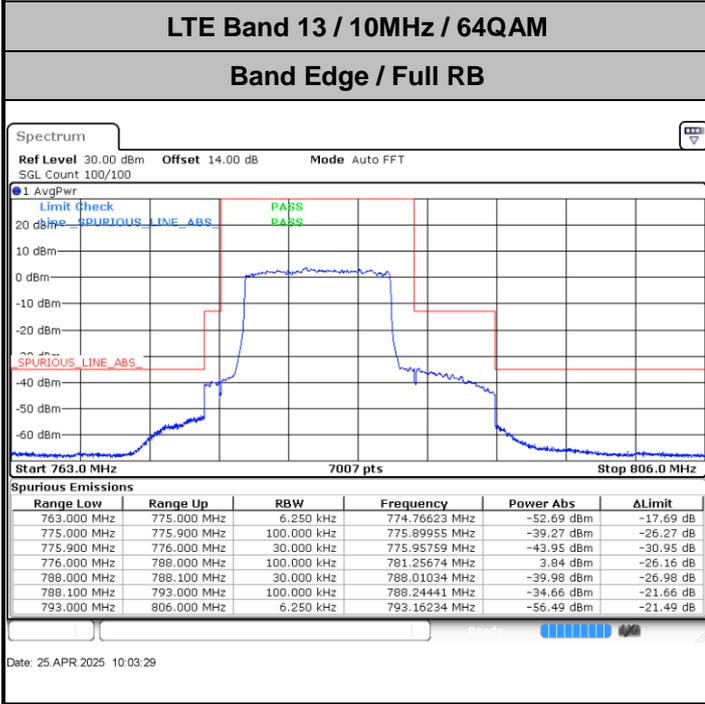
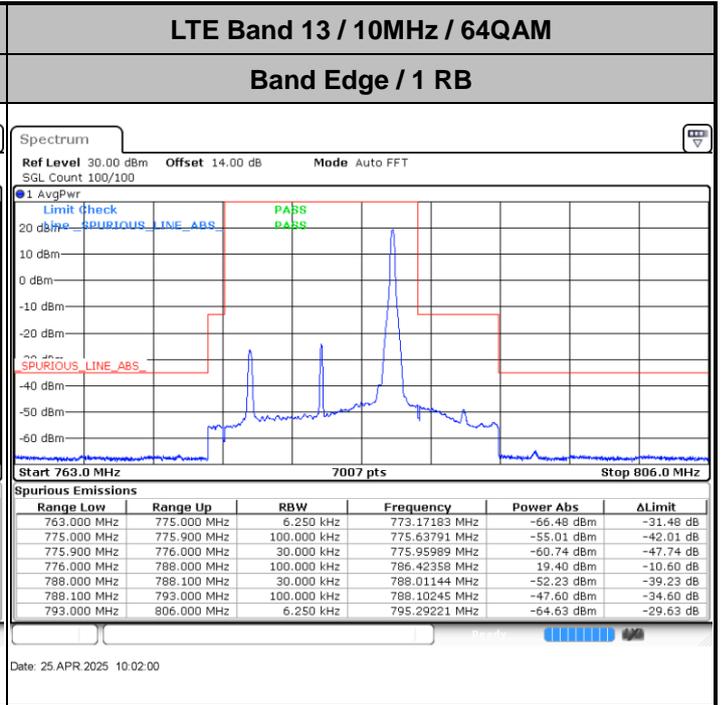
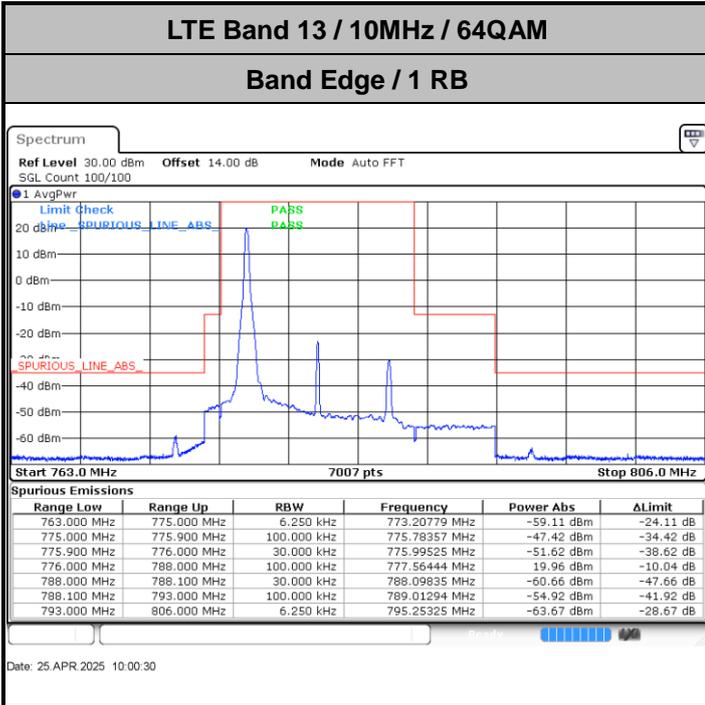
Date: 25 APR 2025 09:55:13



Date: 25 APR 2025 09:58:17

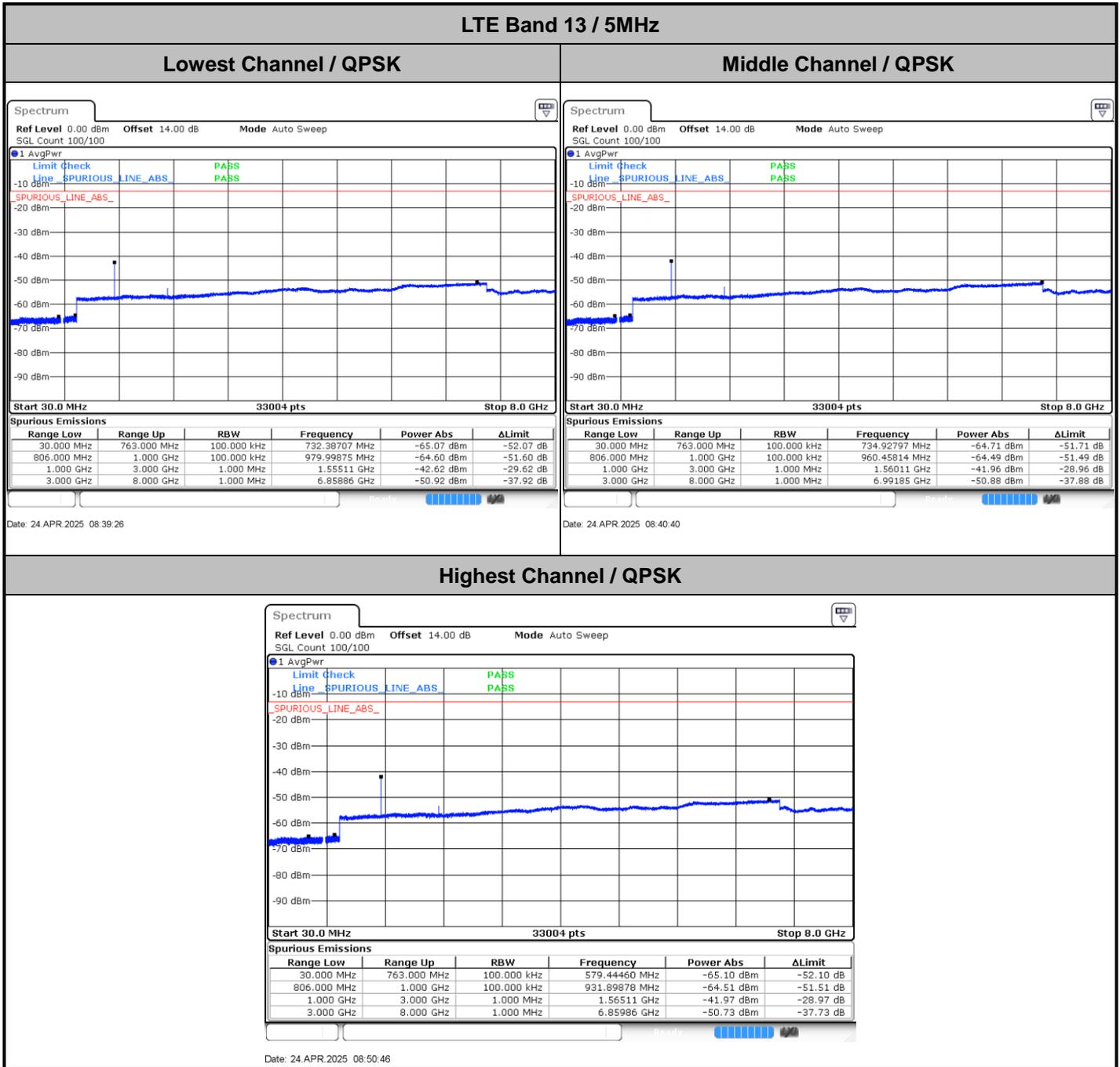








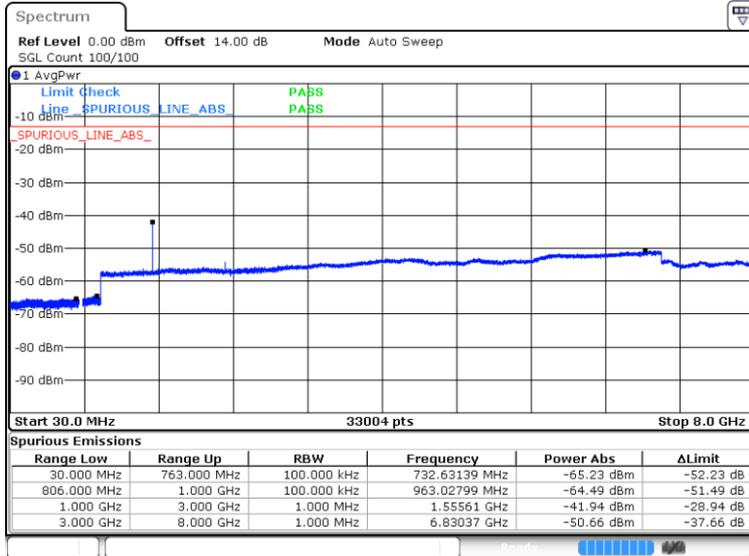
# Conducted Spurious Emission





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 24.APR.2025 09:04:00



### Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

**Note:**

1. Normal Voltage =3.87 V.; Battery End Point (BEP) =3.6 V.; Maximum Voltage =4.3 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 41

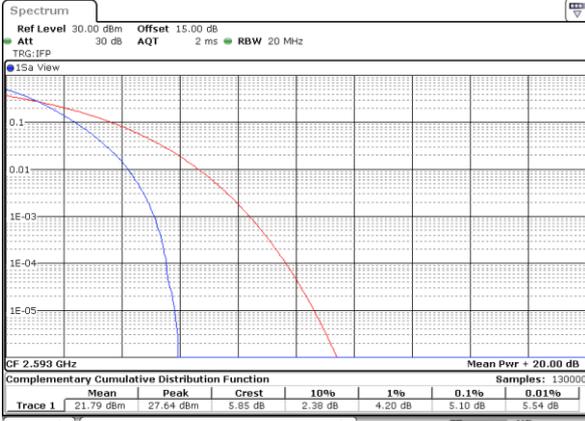
### Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.10	5.94	6.29	<b>PASS</b>



LTE Band 41 / 20MHz / QPSK

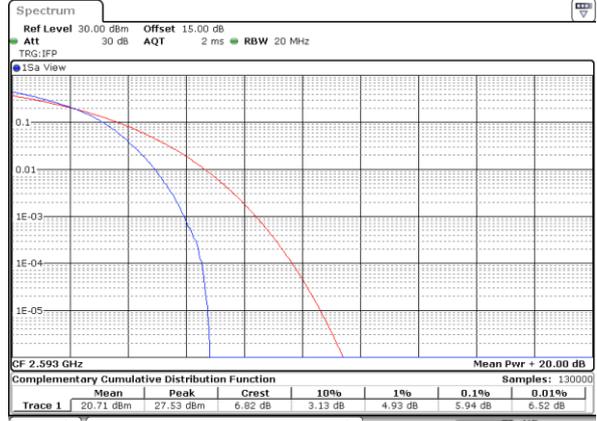
Middle Channel / Full RB



Date: 24.APR.2025 15:10:21

LTE Band 41 / 20MHz / 16QAM

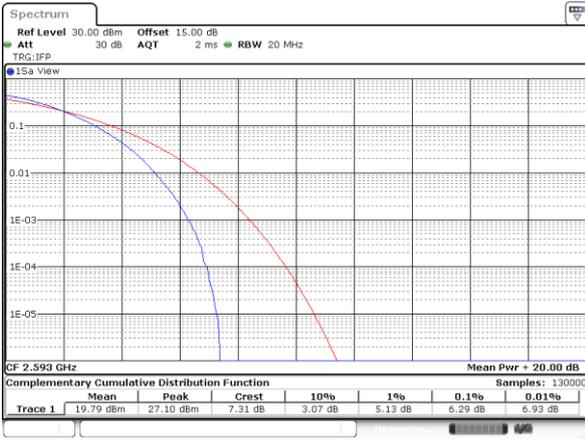
Middle Channel / Full RB



Date: 24.APR.2025 15:12:03

LTE Band 41 / 20MHz / 64QAM

Middle Channel / Full RB



Date: 24.APR.2025 15:13:51



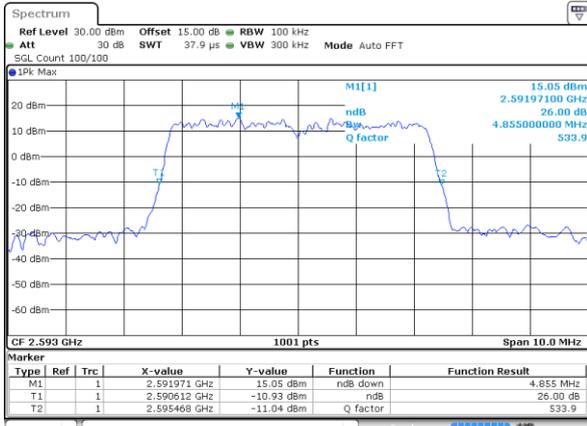
## 26dB Bandwidth

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	-	-	-	-	4.86	4.83	9.65	9.67	14.27	14.51	19.10	18.82



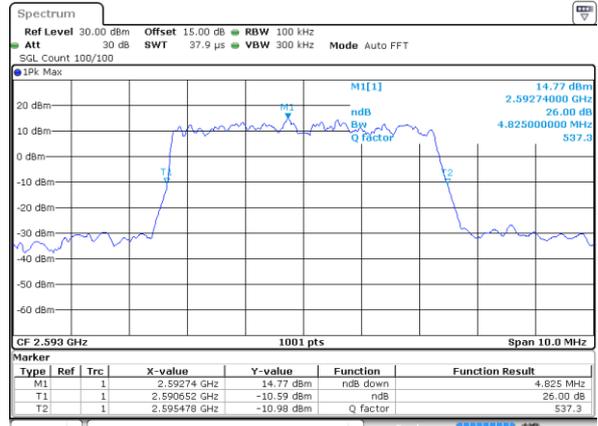
LTE Band 41

Middle Channel / 5MHz / QPSK



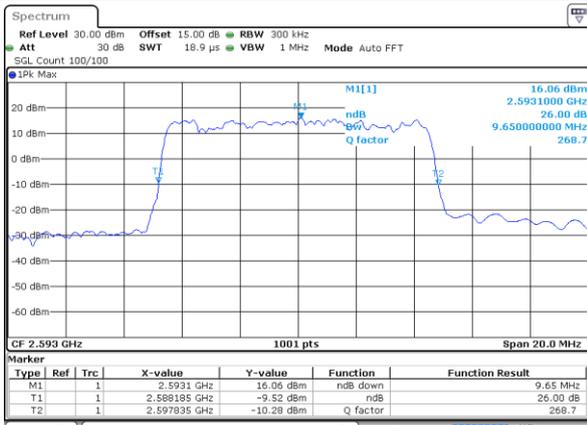
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Middle Channel / 5MHz / 16QAM



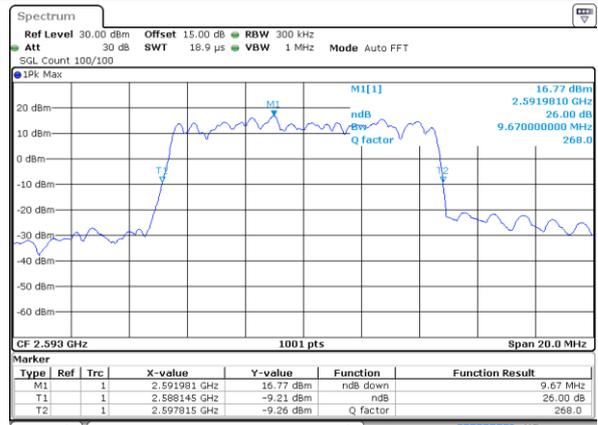
Date: 24 APR 2025 01:20:08

Middle Channel / 10MHz / QPSK



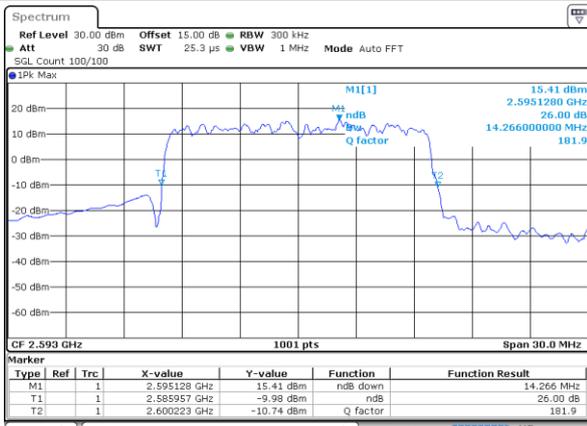
Date: 24 APR 2025 01:40:17

Middle Channel / 10MHz / 16QAM



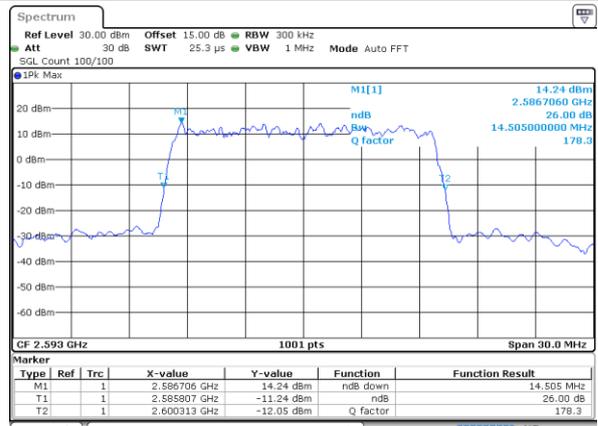
Date: 24 APR 2025 01:40:56

Middle Channel / 15MHz / QPSK



Date: 24 APR 2025 02:01:04

Middle Channel / 15MHz / 16QAM

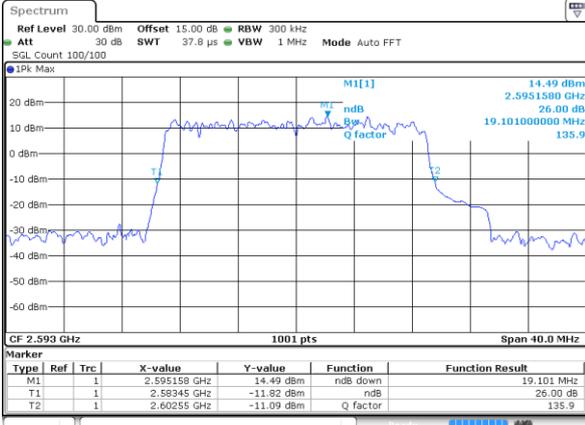


Date: 24 APR 2025 02:01:43



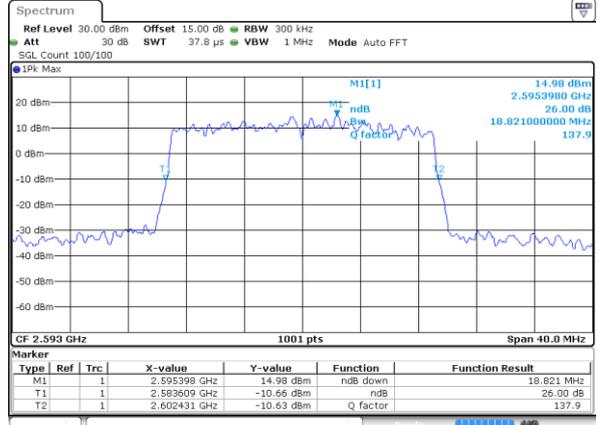
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 24 APR 2025 02:21:51

Middle Channel / 20MHz / 16QAM



Date: 24 APR 2025 02:22:31



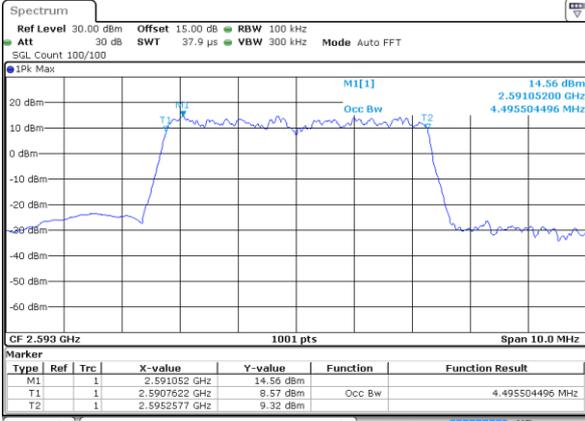
## Occupied Bandwidth

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	4.47	9.01	9.03	13.46	13.49	17.90	17.74



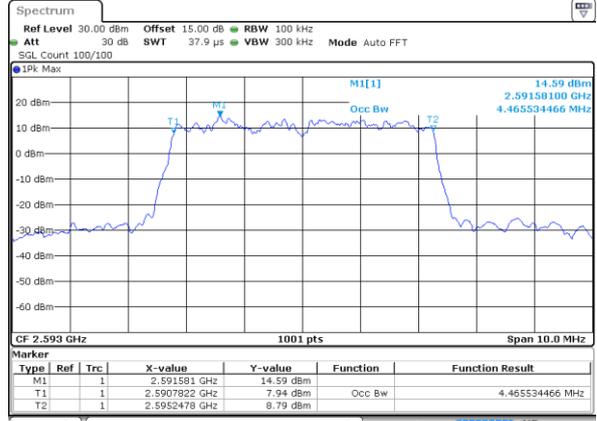
LTE Band 41

Middle Channel / 5MHz / QPSK



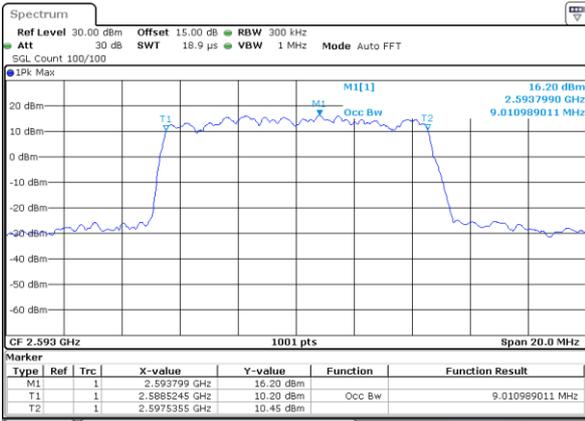
Date: 24 APR 2025 01:19:15

Middle Channel / 5MHz / 16QAM



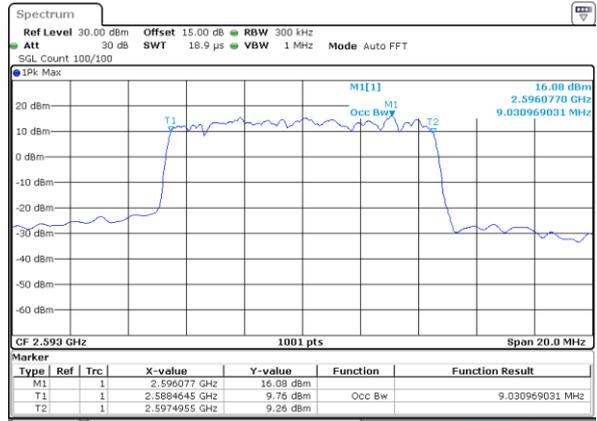
Date: 24 APR 2025 01:19:54

Middle Channel / 10MHz / QPSK



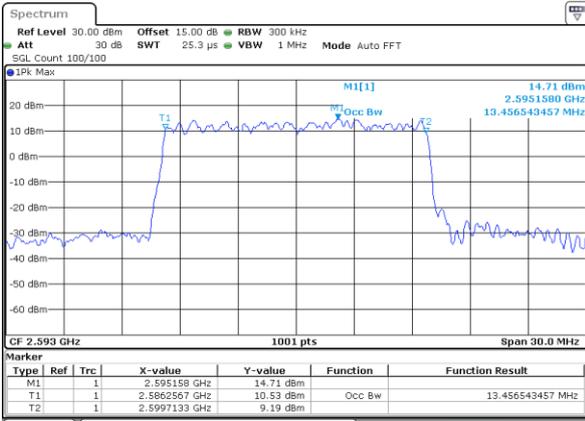
Date: 24 APR 2025 01:40:03

Middle Channel / 10MHz / 16QAM



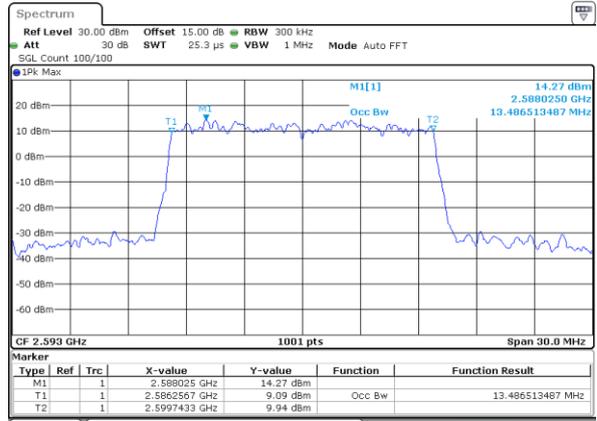
Date: 24 APR 2025 01:40:42

Middle Channel / 15MHz / QPSK



Date: 24 APR 2025 02:00:50

Middle Channel / 15MHz / 16QAM

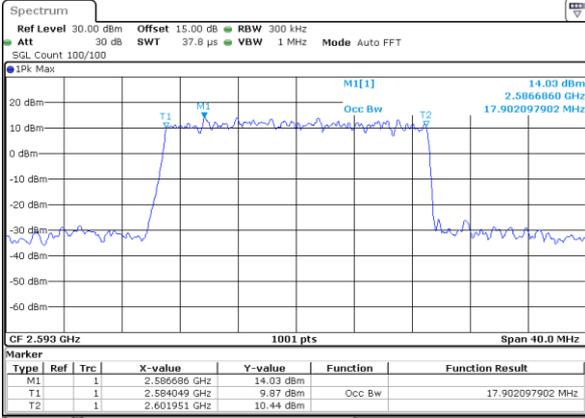


Date: 24 APR 2025 02:01:30



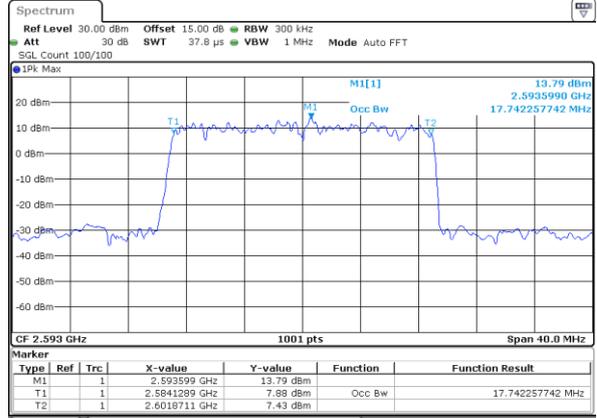
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 24 APR 2025 02:21:38

Middle Channel / 20MHz / 16QAM



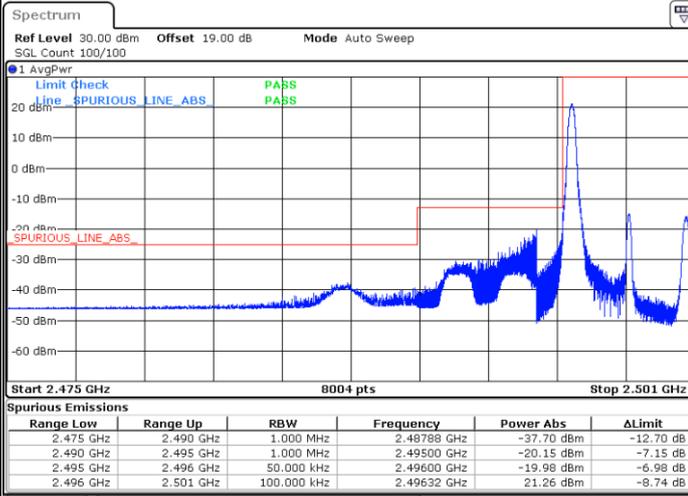
Date: 24 APR 2025 02:22:17



# Conducted Band Edge

## LTE Band 41 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



Date: 24 APR 2025 01:10:02

### Highest Band Edge / 1 RB



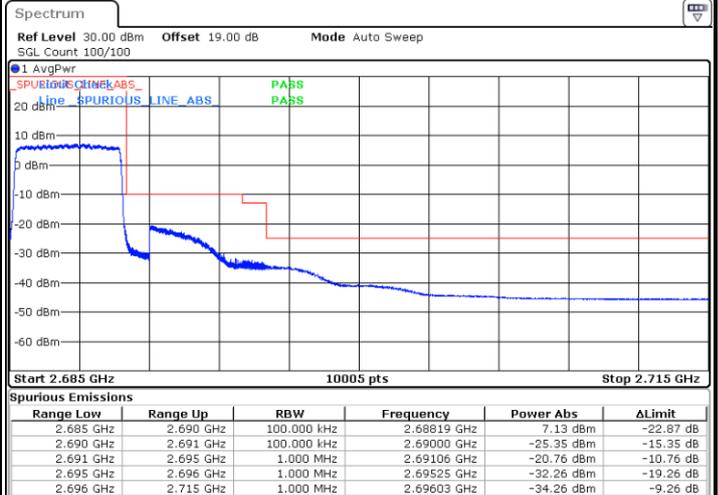
Date: 24 APR 2025 01:21:23

### Lowest Band Edge / Full RB



Date: 24 APR 2025 01:16:20

### Highest Band Edge / Full RB

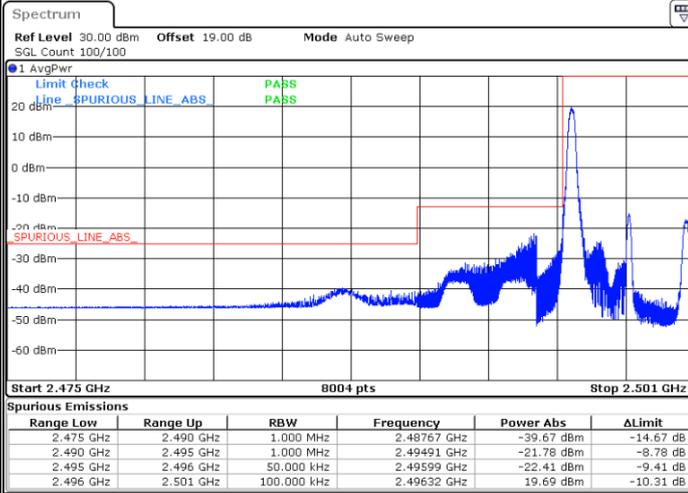


Date: 24 APR 2025 01:27:39



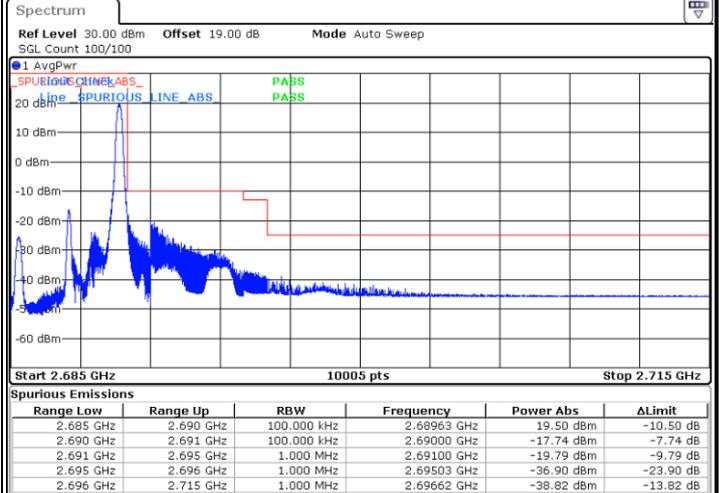
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



Date: 24 APR 2025 01:11:18

Highest Band Edge / 1 RB



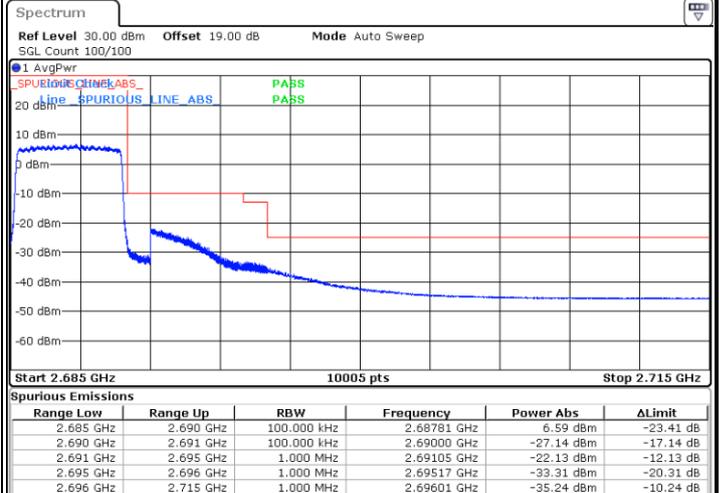
Date: 24 APR 2025 01:22:38

Lowest Band Edge / Full RB



Date: 24 APR 2025 01:15:05

Highest Band Edge / Full RB

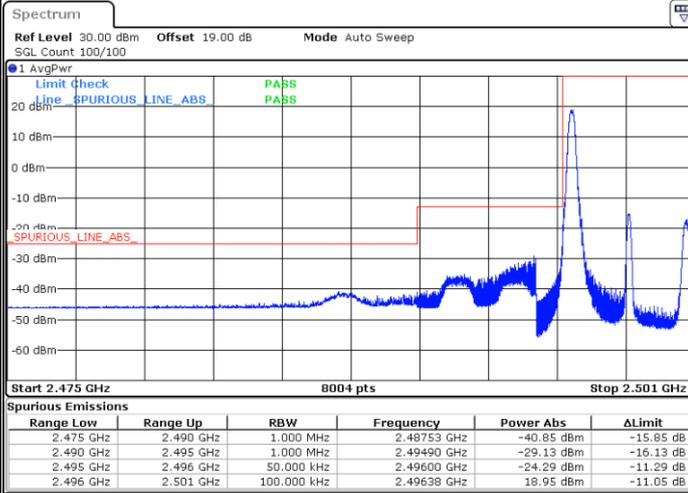


Date: 24 APR 2025 01:26:23



LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



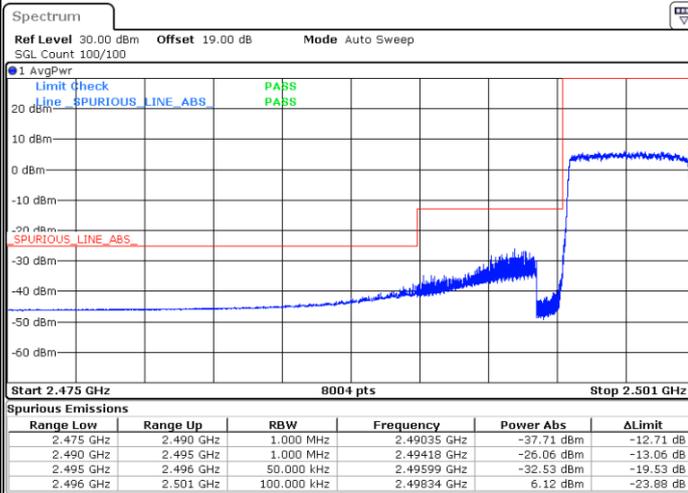
Date: 24 APR 2025 01:12:33

Highest Band Edge / 1 RB



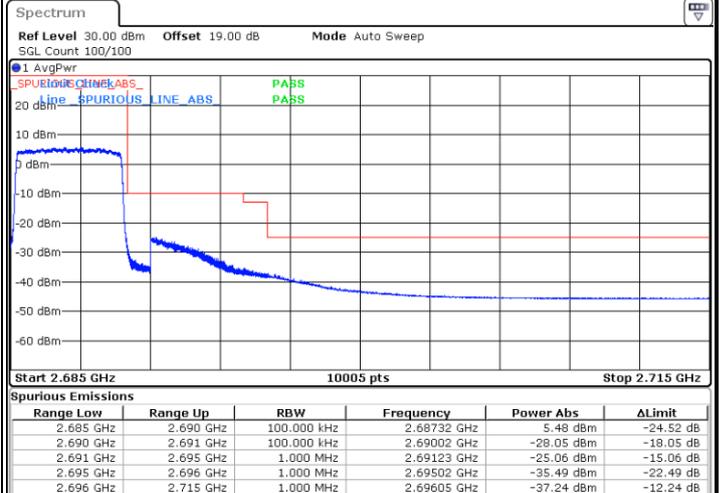
Date: 24 APR 2025 01:23:53

Lowest Band Edge / Full RB



Date: 24 APR 2025 01:13:49

Highest Band Edge / Full RB

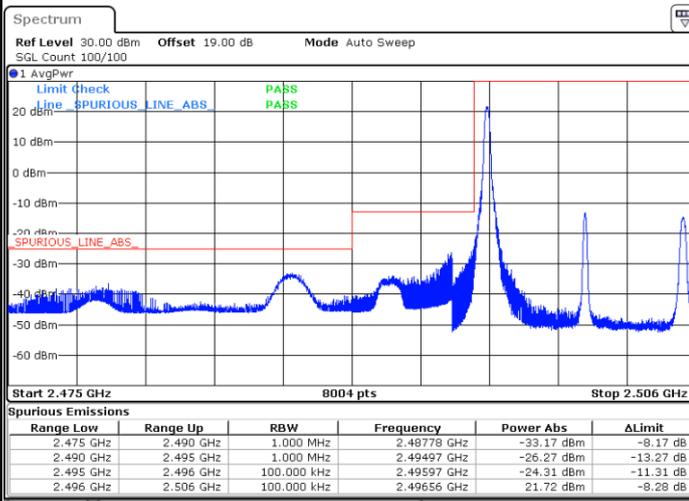


Date: 24 APR 2025 01:25:08



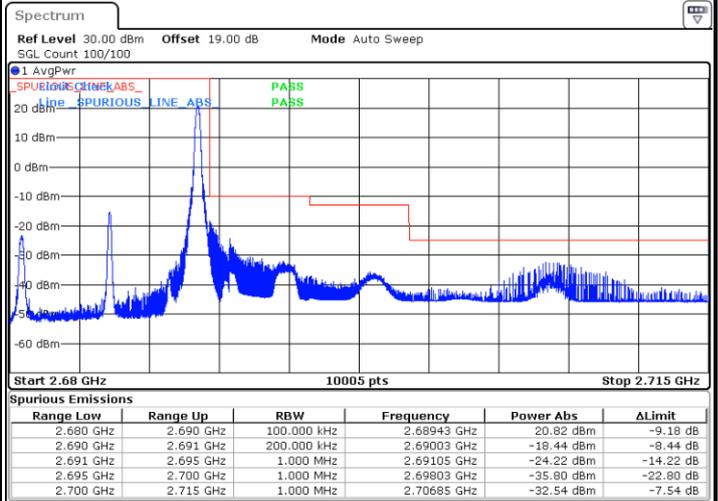
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



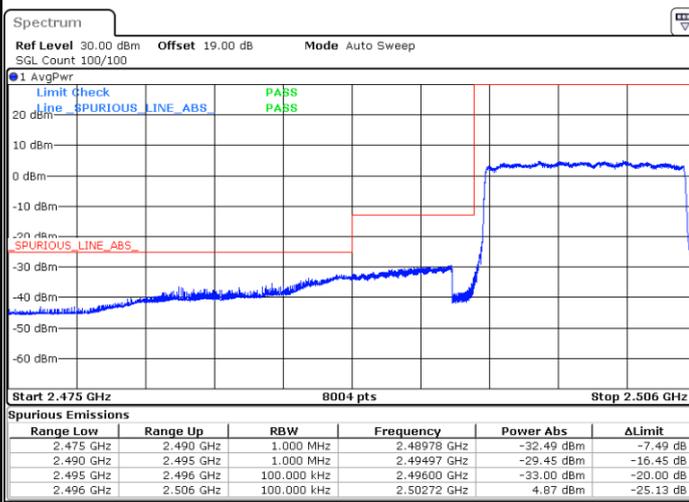
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Highest Band Edge / 1 RB



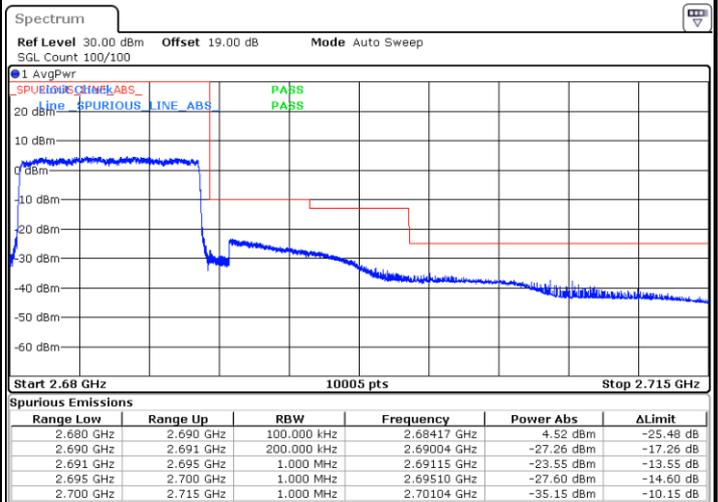
Date: 24 APR 2025 01:42:10

Lowest Band Edge / Full RB



Date: 24 APR 2025 01:37:09

Highest Band Edge / Full RB

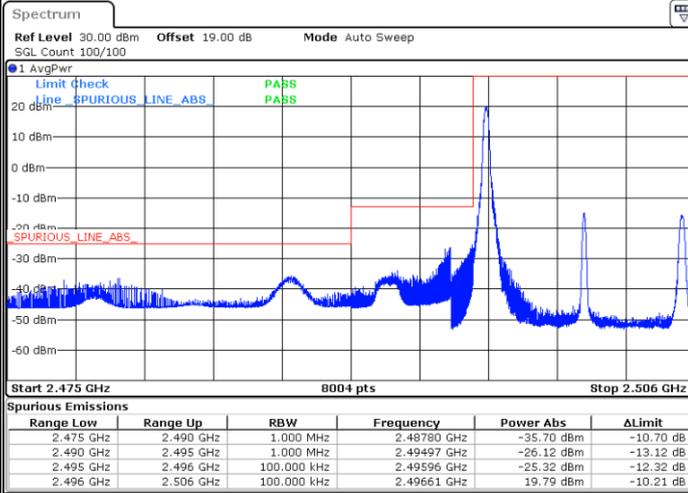


Date: 24 APR 2025 01:48:26



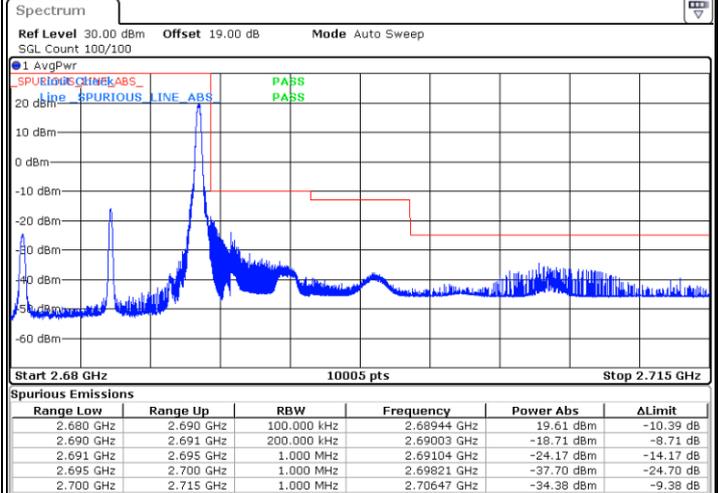
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1RB



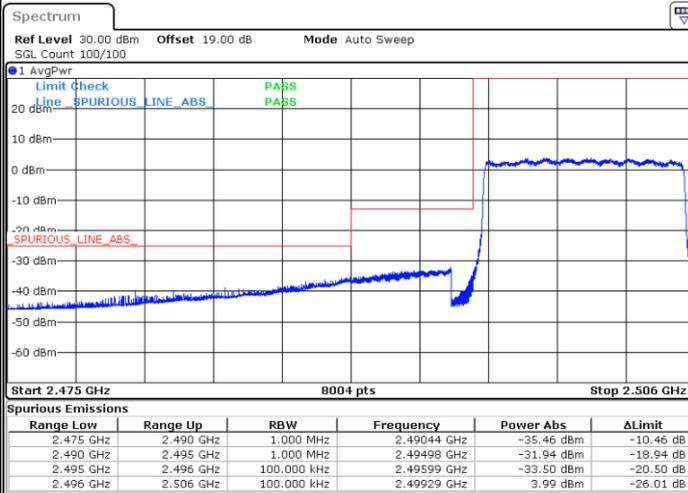
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Highest Band Edge / 1 RB



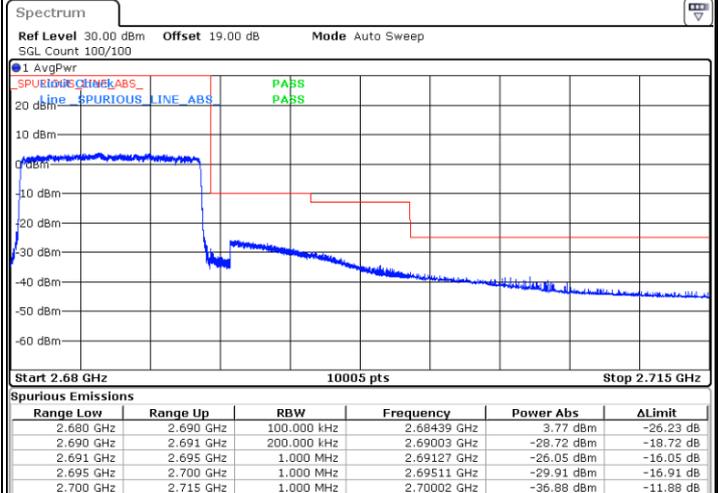
Date: 24 APR 2025 01:43:26

Lowest Band Edge / Full RB



Date: 24 APR 2025 01:35:53

Highest Band Edge / Full RB

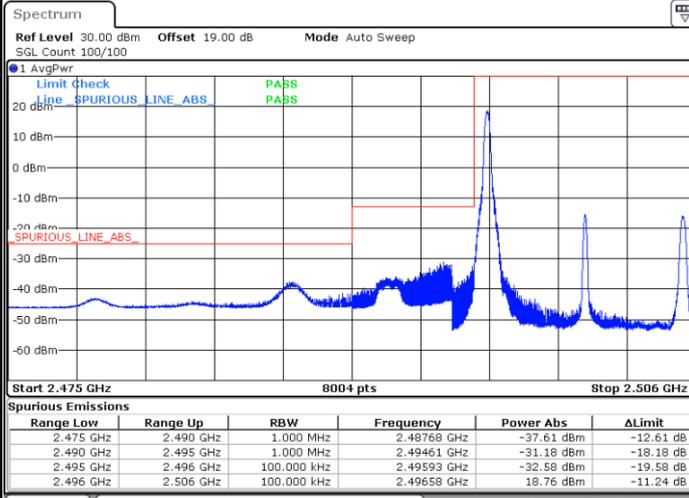


Date: 24 APR 2025 01:47:11



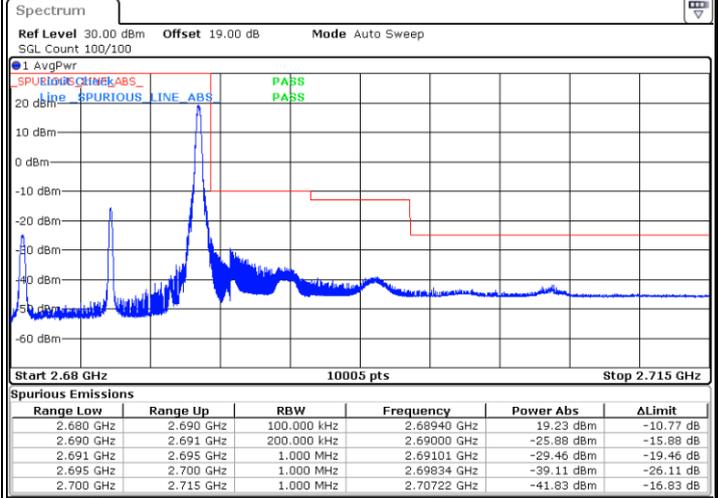
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1RB



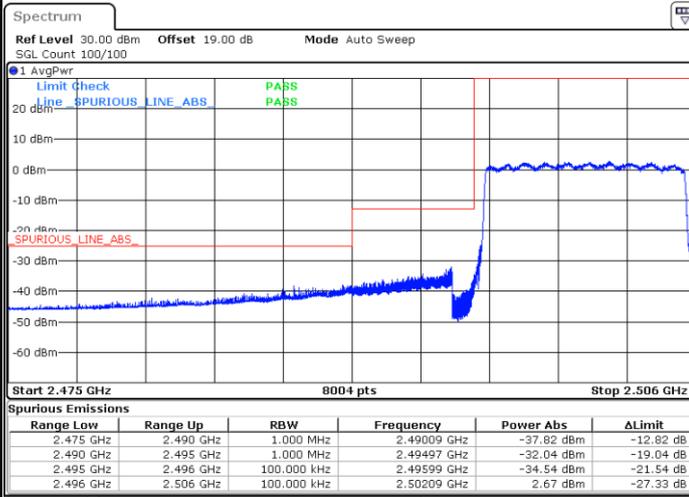
Date: 24 APR 2025 01:33:22

Highest Band Edge / 1 RB



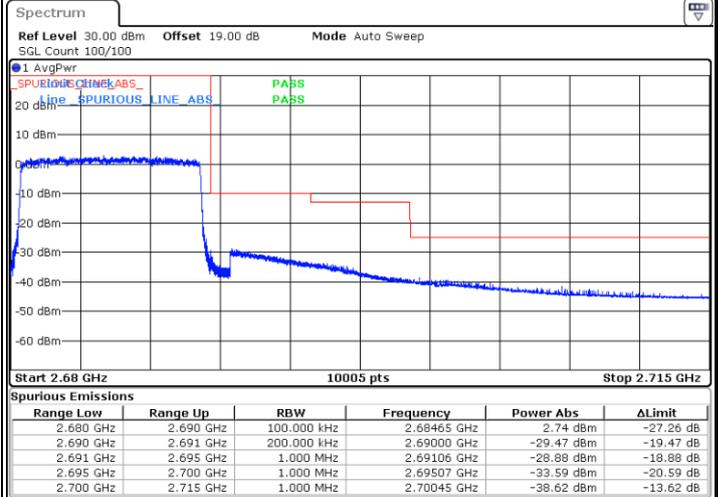
Date: 24 APR 2025 01:44:41

Lowest Band Edge / Full RB



Date: 24 APR 2025 01:34:38

Highest Band Edge / Full RB

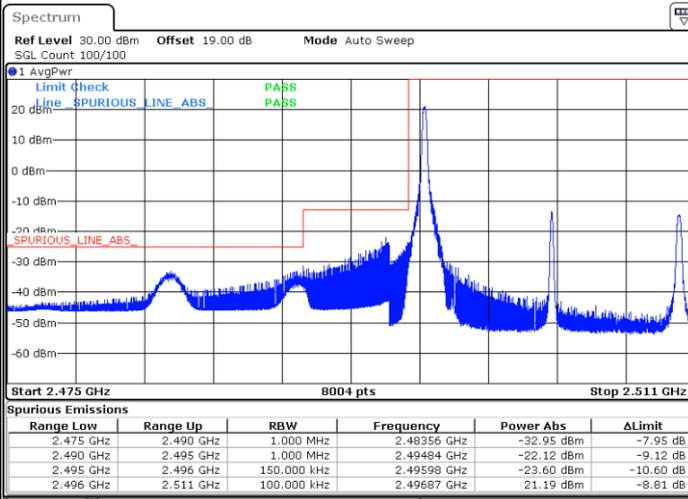


Date: 24 APR 2025 01:45:56



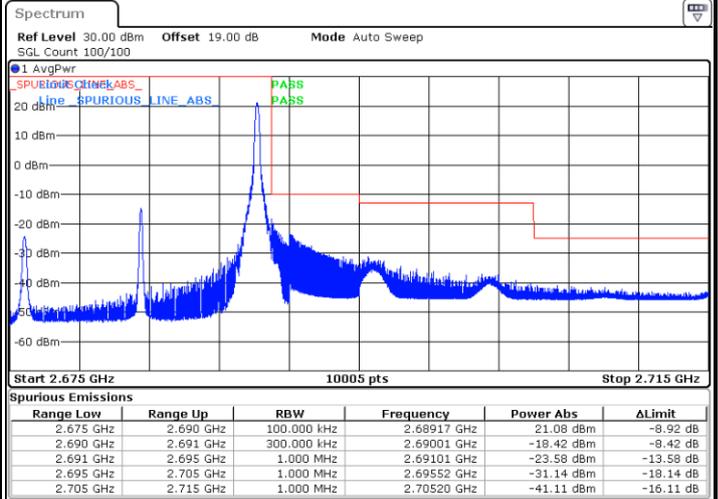
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



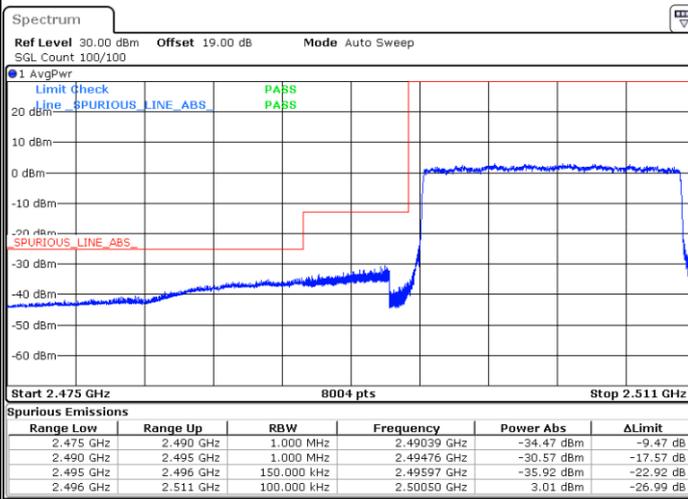
Date: 24 APR 2025 01:51:39

Highest Band Edge / 1 RB



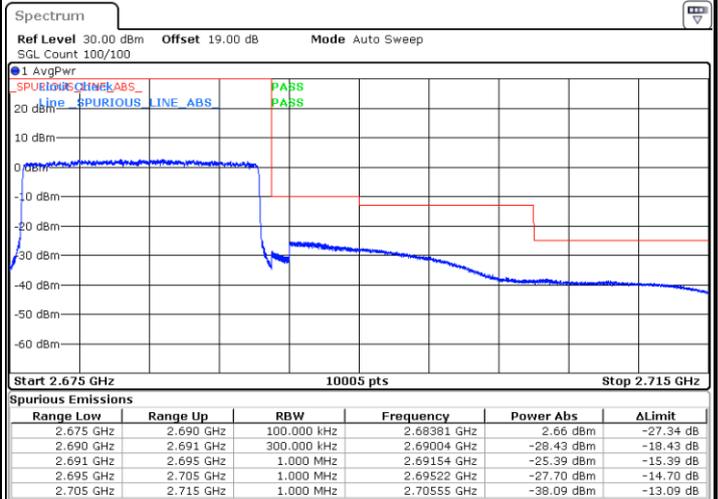
Date: 24 APR 2025 02:02:58

Lowest Band Edge / Full RB



Date: 24 APR 2025 01:57:56

Highest Band Edge / Full RB

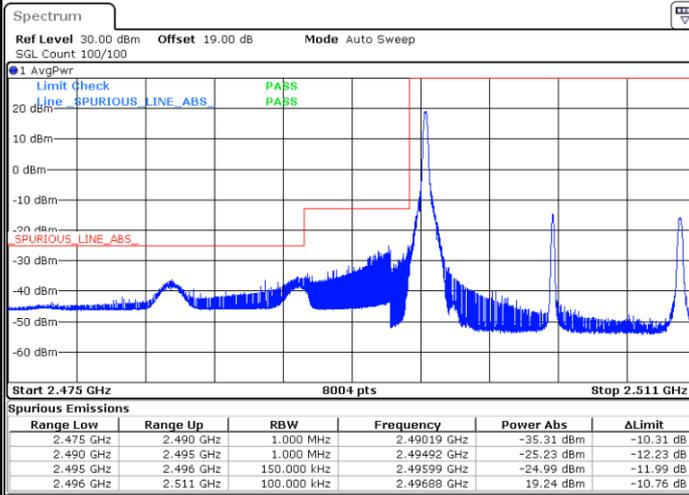


Date: 24 APR 2025 02:09:14



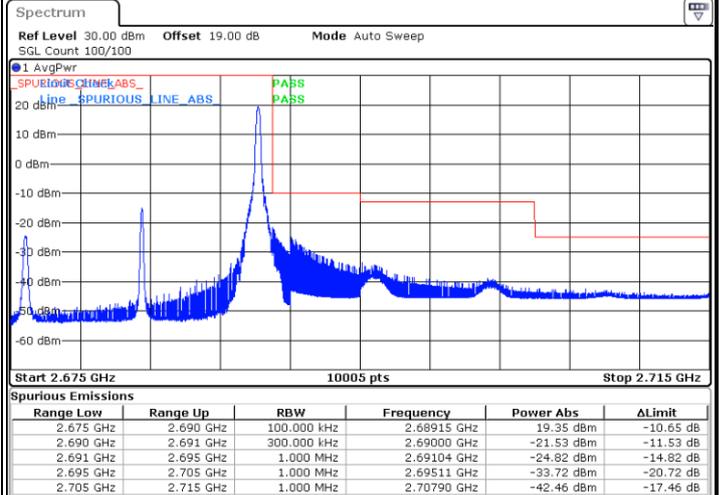
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1RB



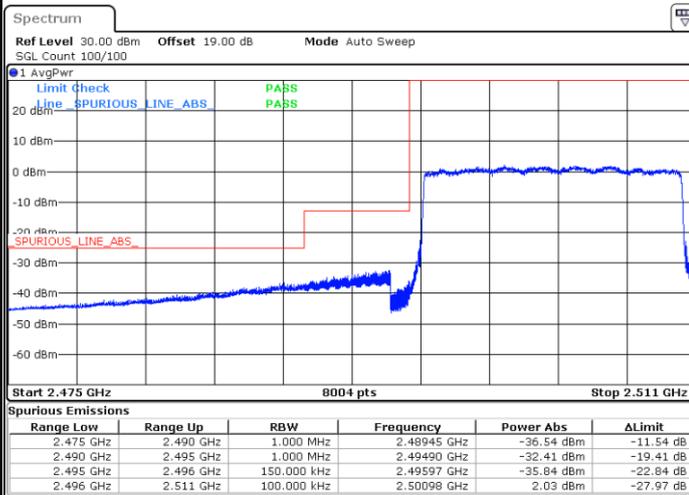
Date: 24 APR 2025 01:52:54

Highest Band Edge / 1 RB



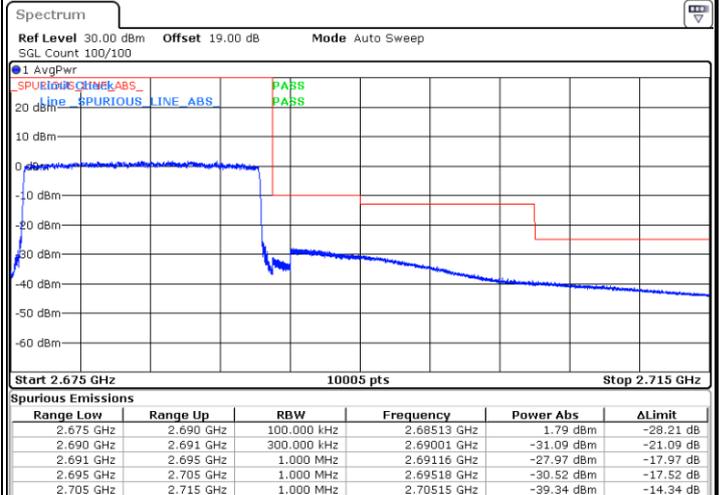
Date: 24 APR 2025 02:04:13

Lowest Band Edge / Full RB



Date: 24 APR 2025 01:56:40

Highest Band Edge / Full RB

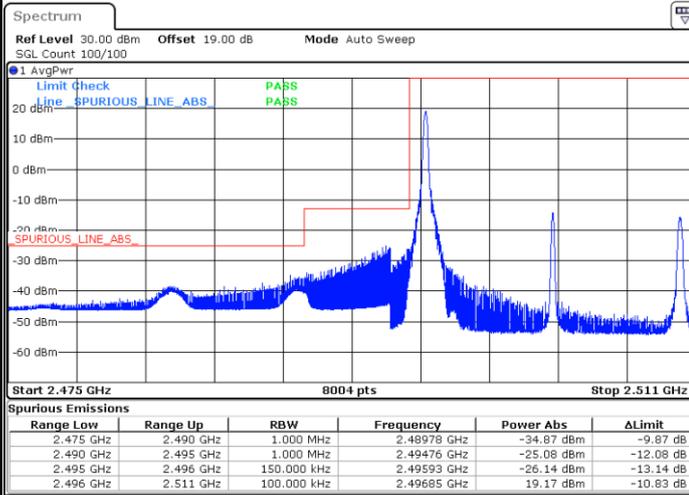


Date: 24 APR 2025 02:07:58



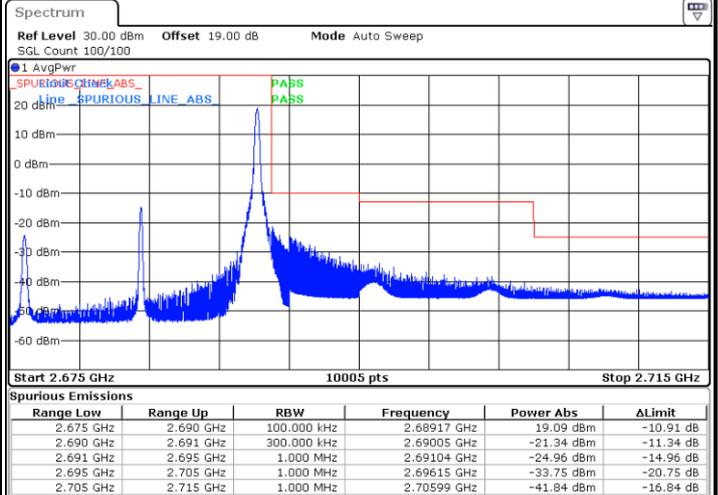
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1RB



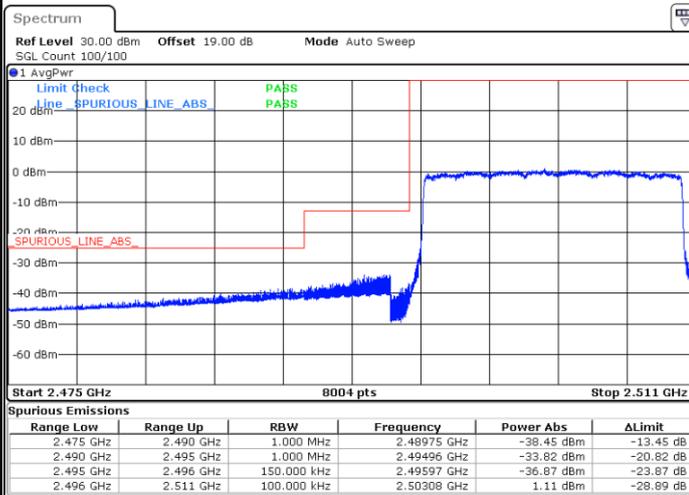
Date: 24 APR 2025 01:54:10

Highest Band Edge / 1 RB



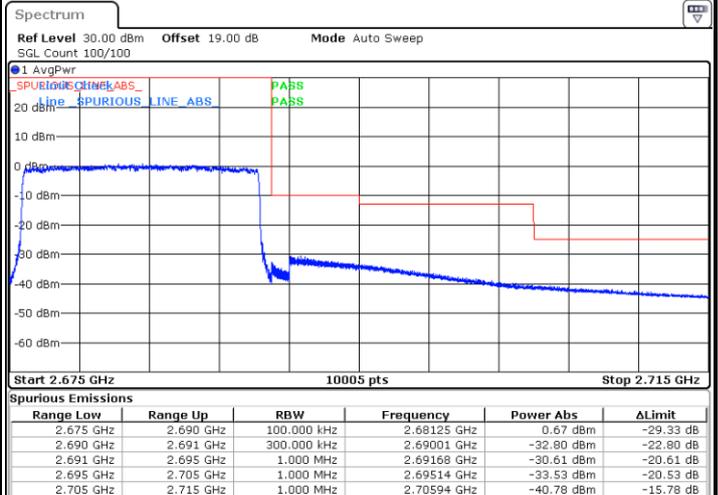
Date: 24 APR 2025 02:05:28

Lowest Band Edge / Full RB



Date: 24 APR 2025 01:55:25

Highest Band Edge / Full RB

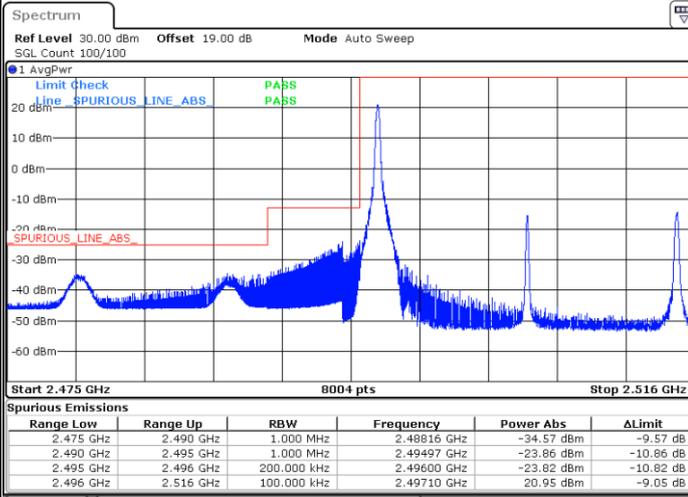


Date: 24 APR 2025 02:06:43



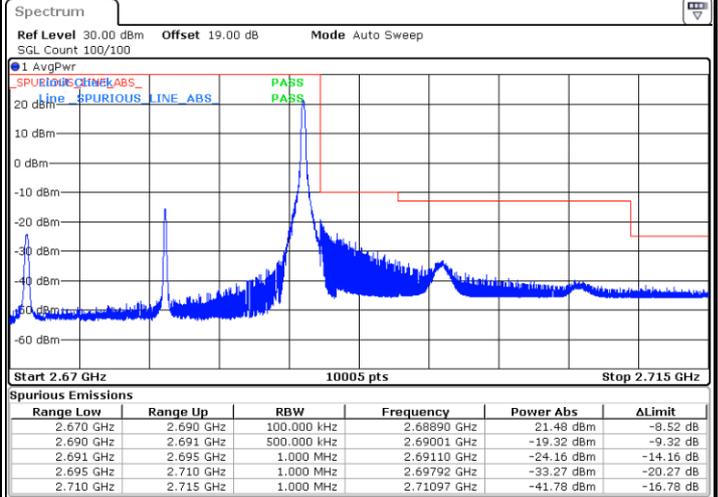
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



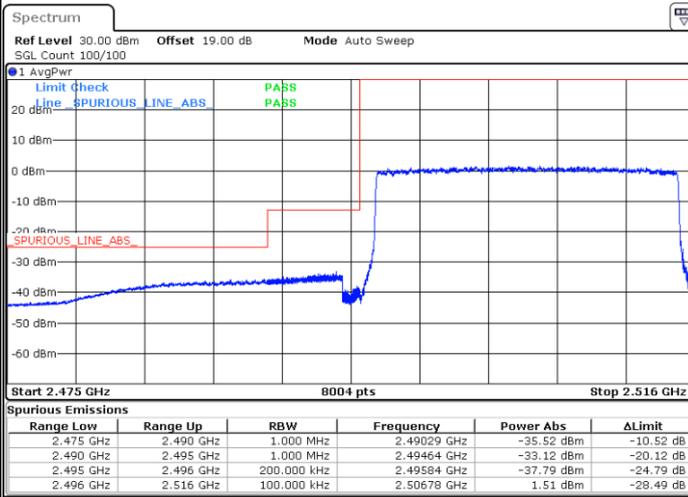
Date: 24 APR 2025 02:12:26

Highest Band Edge / 1 RB



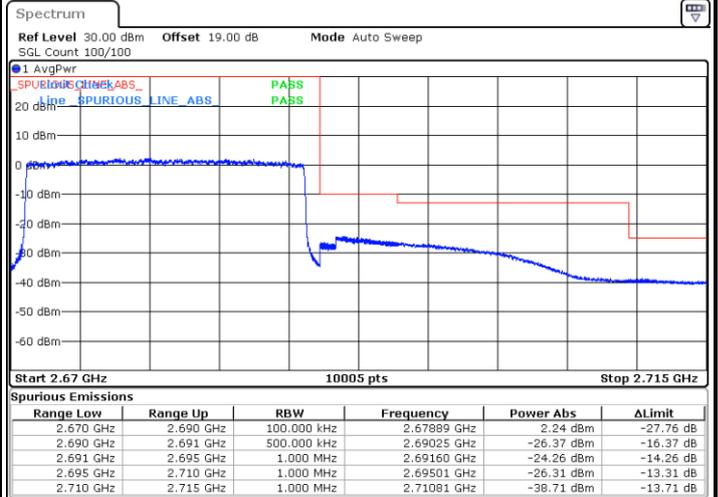
Date: 24 APR 2025 02:25:05

Lowest Band Edge / Full RB



Date: 24 APR 2025 02:18:43

Highest Band Edge / Full RB

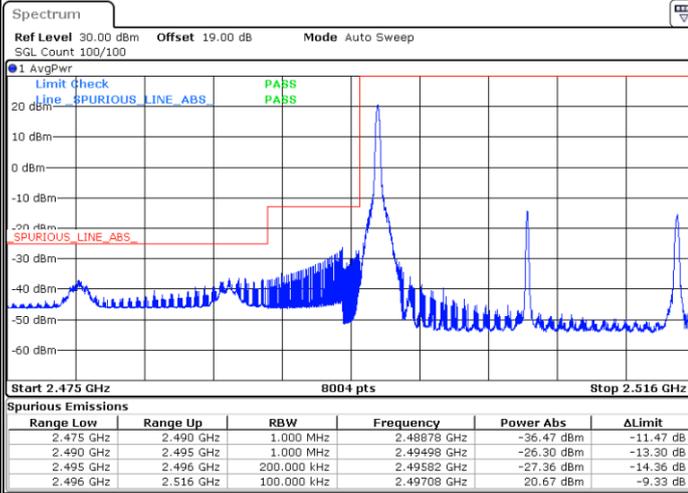


Date: 25 APR 2025 11:35:11



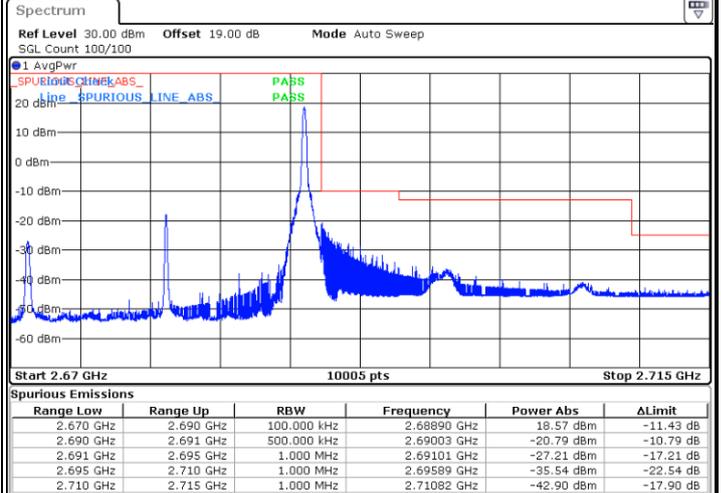
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1RB



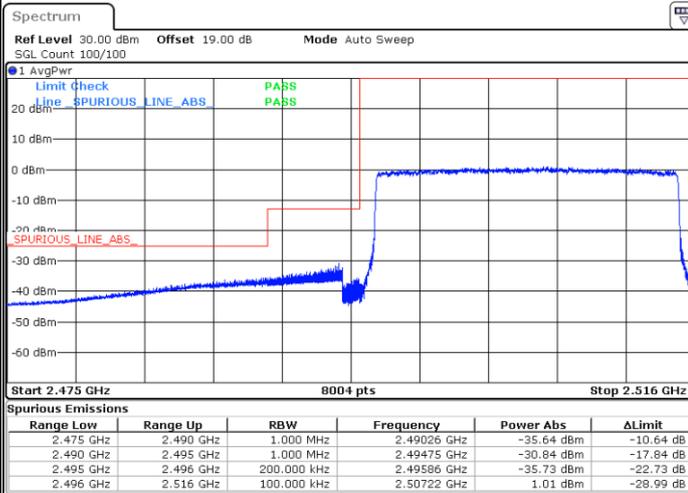
Date: 24 APR 2025 02:13:42

Highest Band Edge / 1 RB



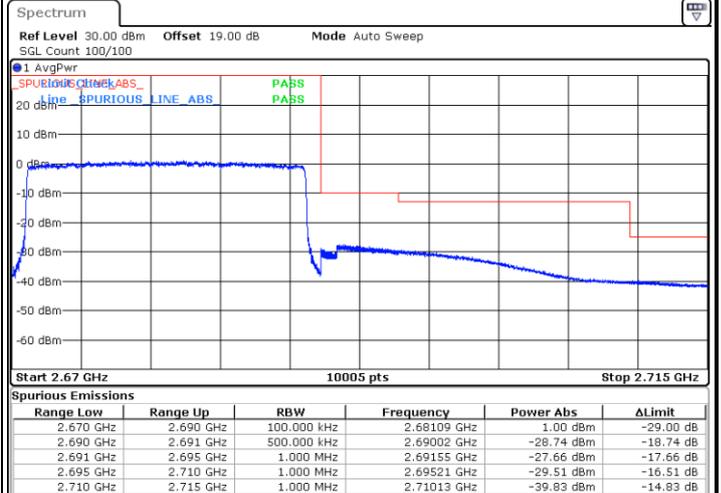
Date: 24 APR 2025 02:26:20

Lowest Band Edge / Full RB



Date: 24 APR 2025 02:17:28

Highest Band Edge / Full RB

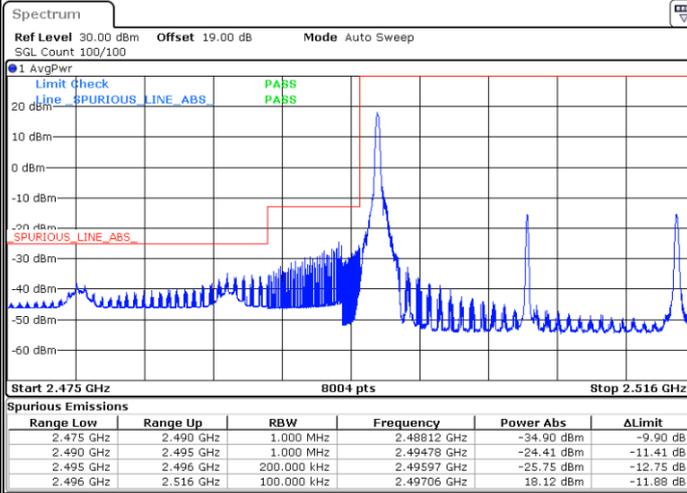


Date: 25 APR 2025 11:36:54



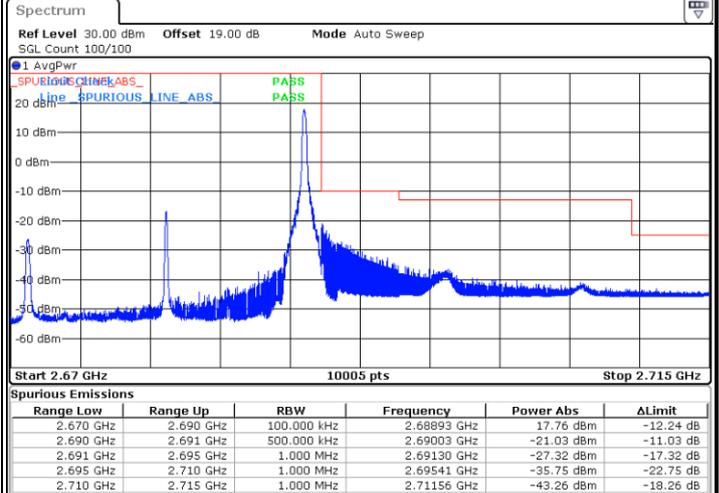
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1RB



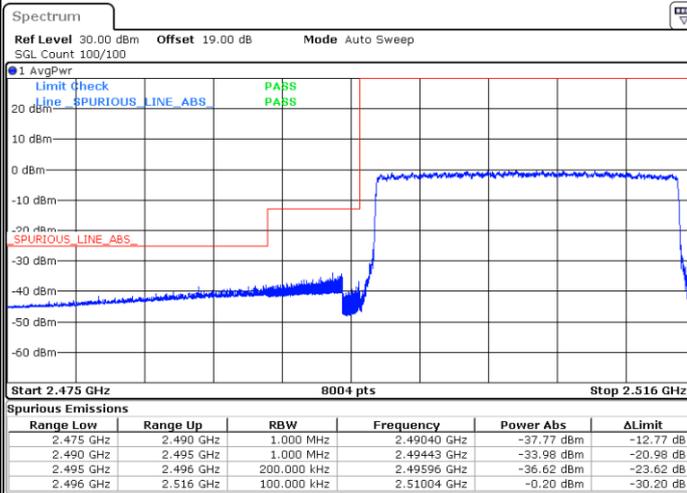
Date: 24 APR 2025 02:14:57

Highest Band Edge / 1 RB



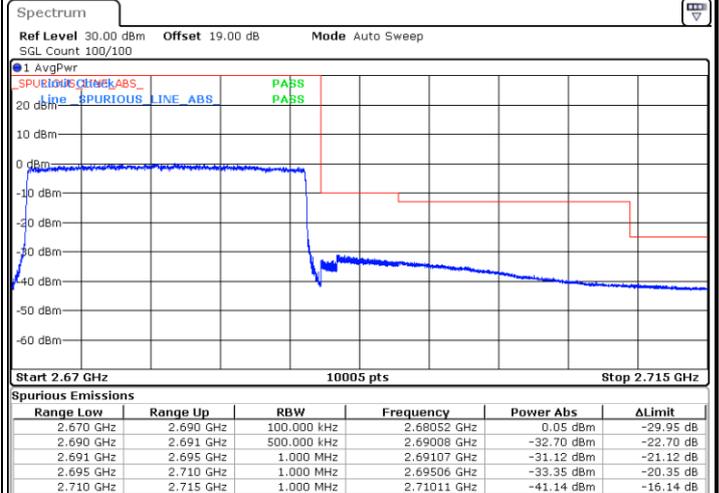
Date: 24 APR 2025 02:27:35

Lowest Band Edge / Full RB



Date: 24 APR 2025 02:16:12

Highest Band Edge / Full RB



Date: 25 APR 2025 11:37:54

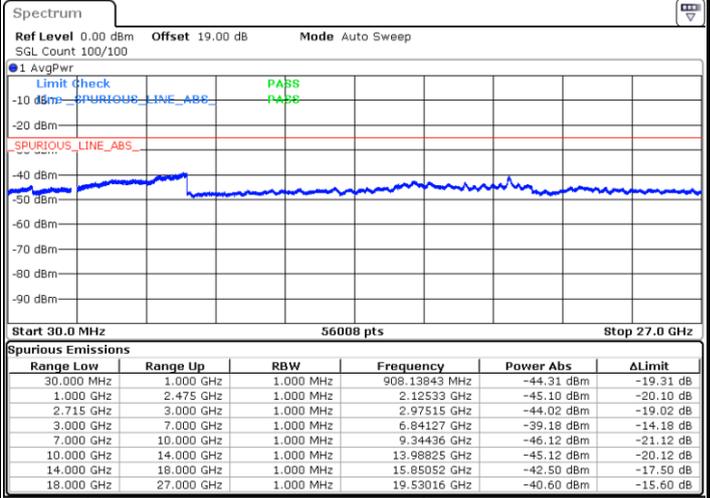
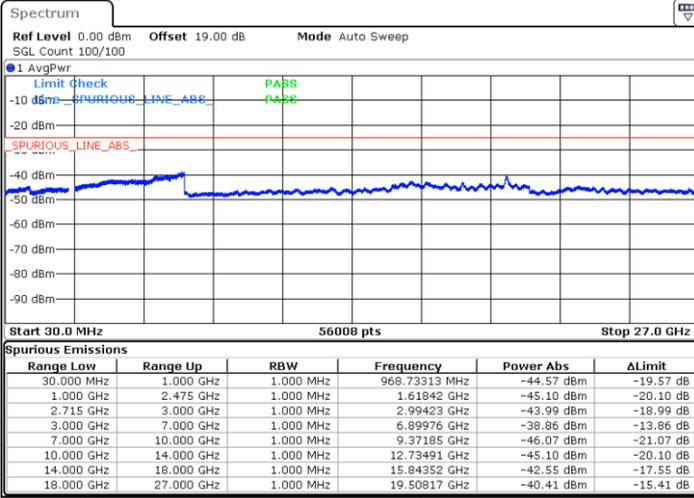


# Conducted Spurious Emission

## LTE Band 41 / 5MHz

### Lowest Channel / QPSK

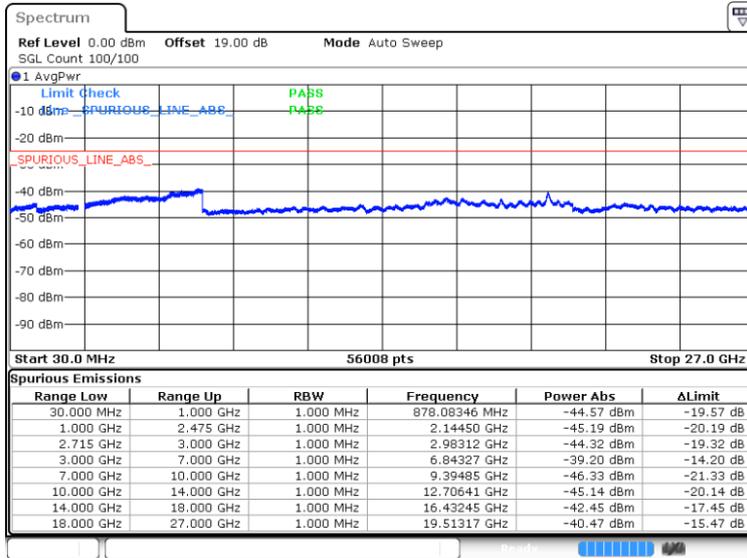
### Middle Channel / QPSK



Date: 24 APR 2025 01:17:35

Date: 24 APR 2025 01:18:49

### Highest Channel / QPSK



Date: 24 APR 2025 01:28:53