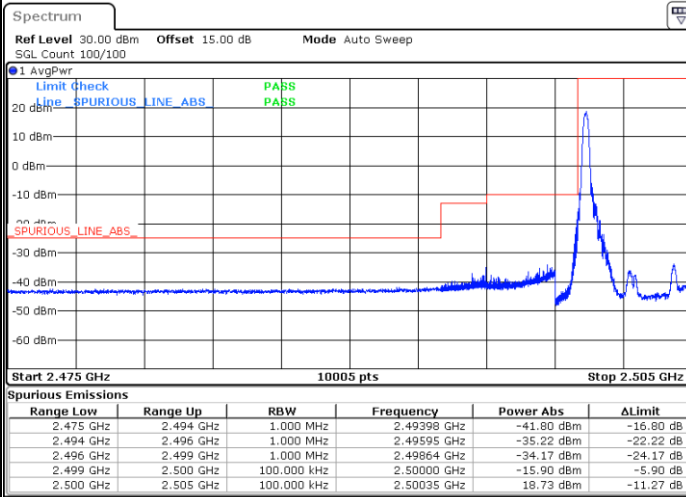




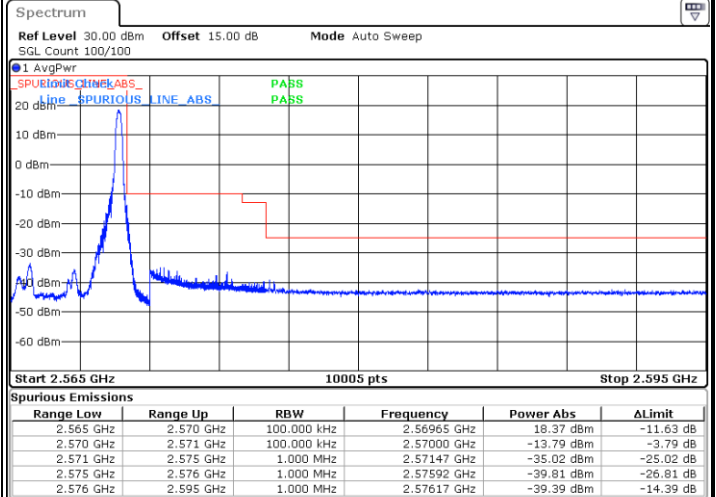
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



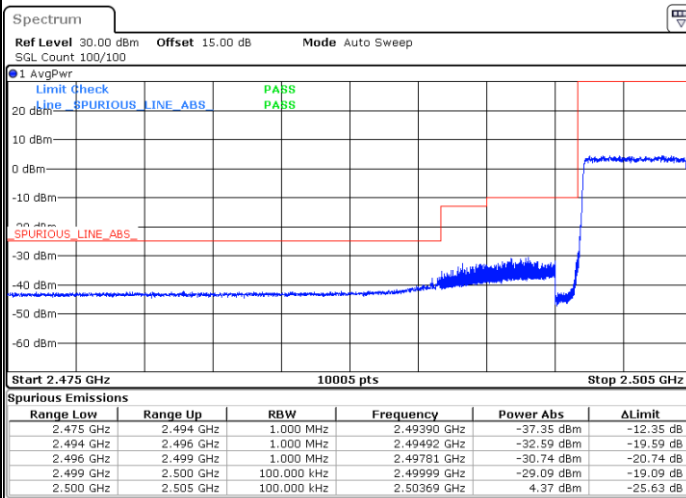
Date: 7. JAN. 2025 00:32:52

Highest Band Edge / 1 RB



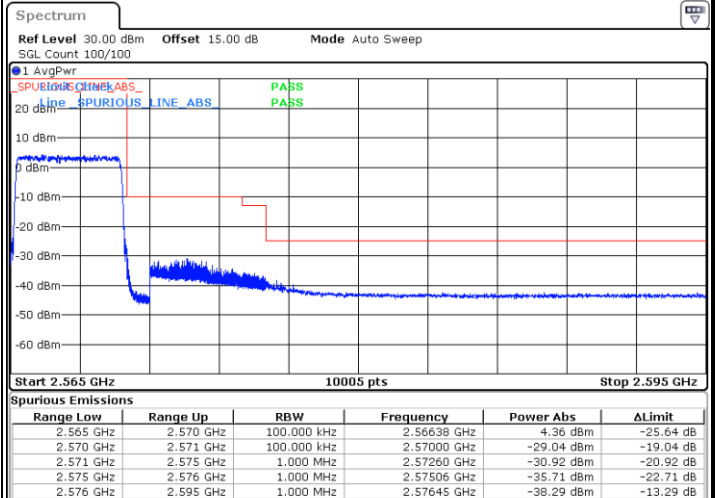
Date: 7. JAN. 2025 00:40:45

Lowest Band Edge / Full RB



Date: 7. JAN. 2025 00:35:06

Highest Band Edge / Full RB

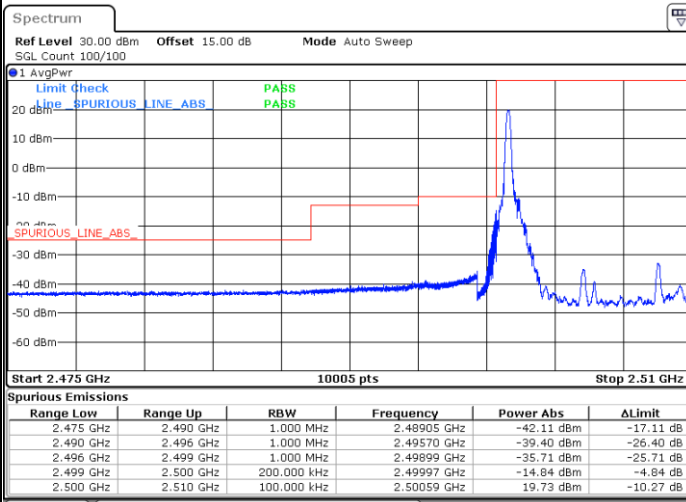


Date: 6. JAN. 2025 16:34:40



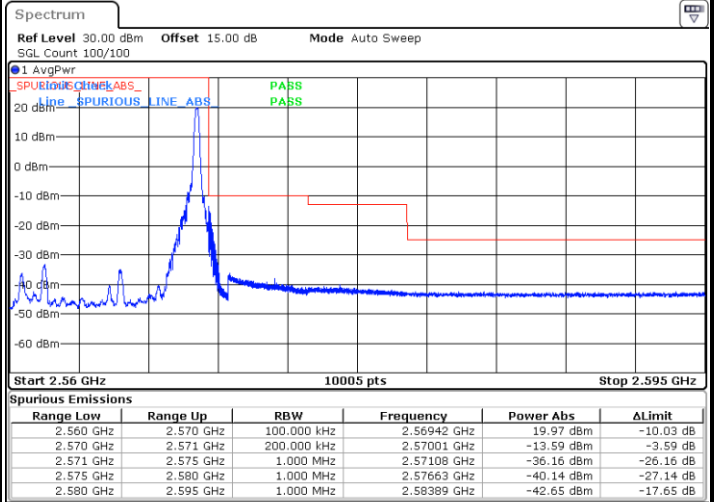
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



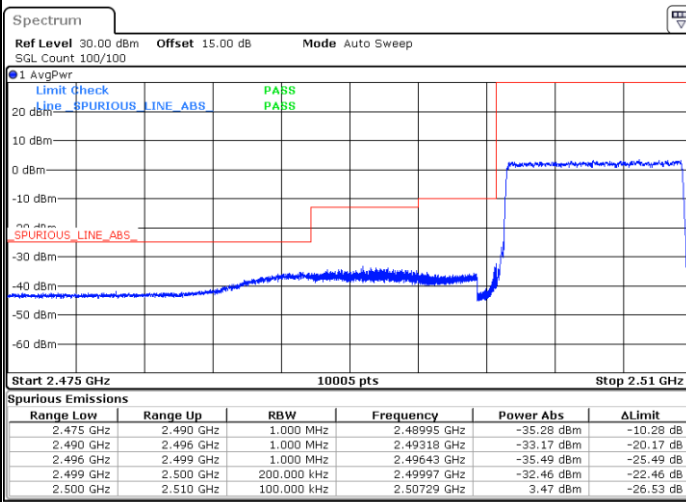
Date: 6.JAN.2025 16:37:04

Highest Band Edge / 1 RB



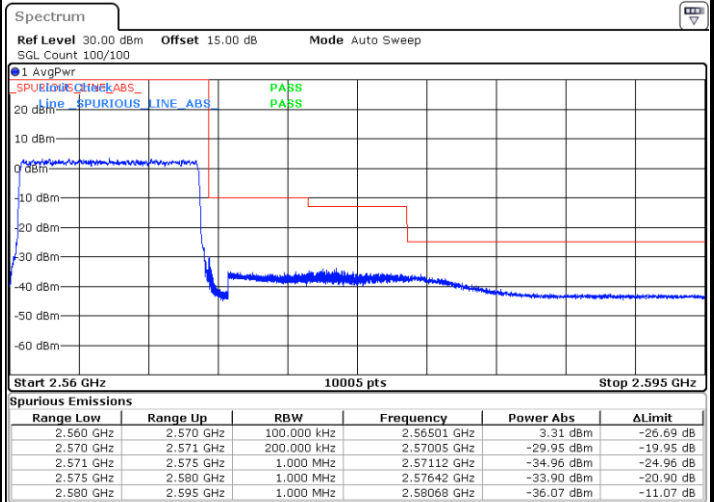
Date: 6.JAN.2025 16:44:08

Lowest Band Edge / Full RB



Date: 6.JAN.2025 16:38:52

Highest Band Edge / Full RB



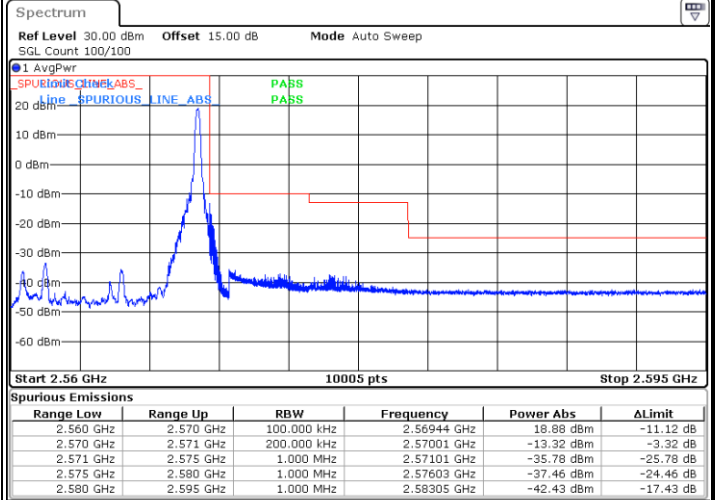
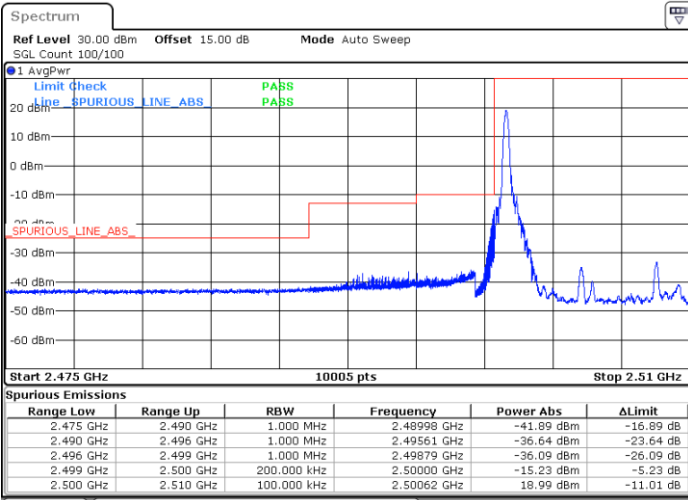
Date: 6.JAN.2025 16:45:57



LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

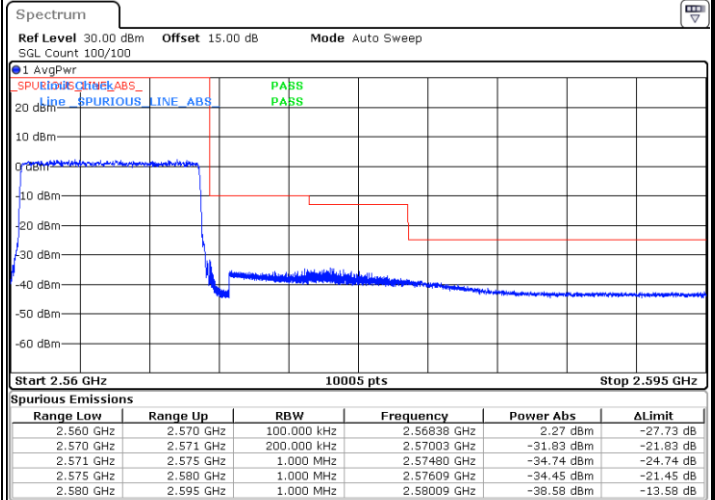
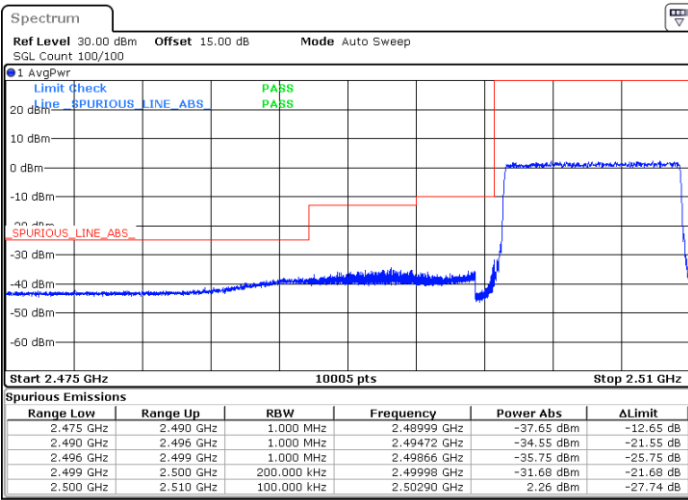


Date: 6.JAN.2025 16:37:40

Date: 6.JAN.2025 16:44:45

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



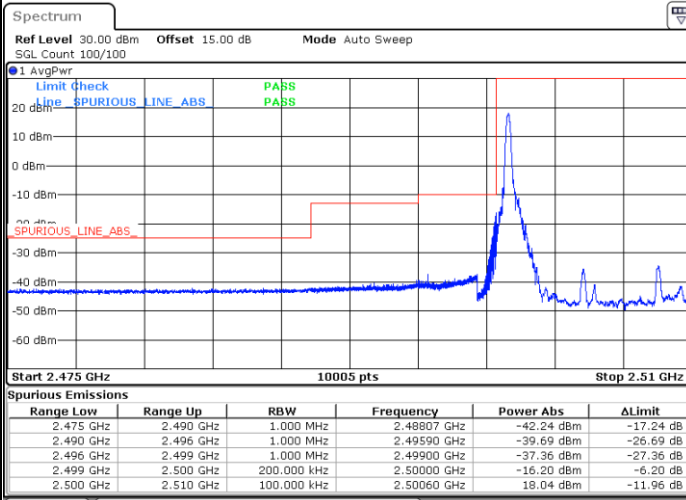
Date: 6.JAN.2025 16:39:28

Date: 6.JAN.2025 16:46:33



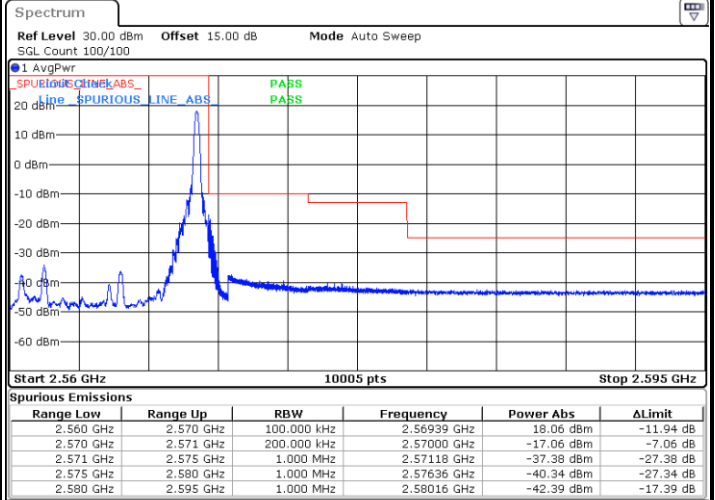
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1RB



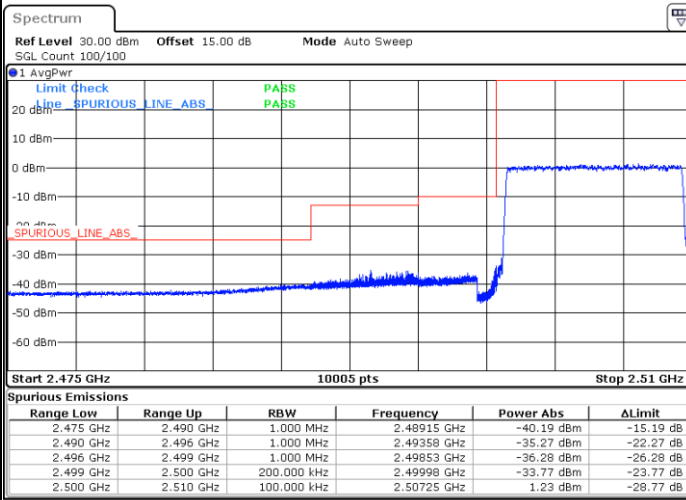
Date: 6.JAN.2025 16:38:16

Highest Band Edge / 1 RB



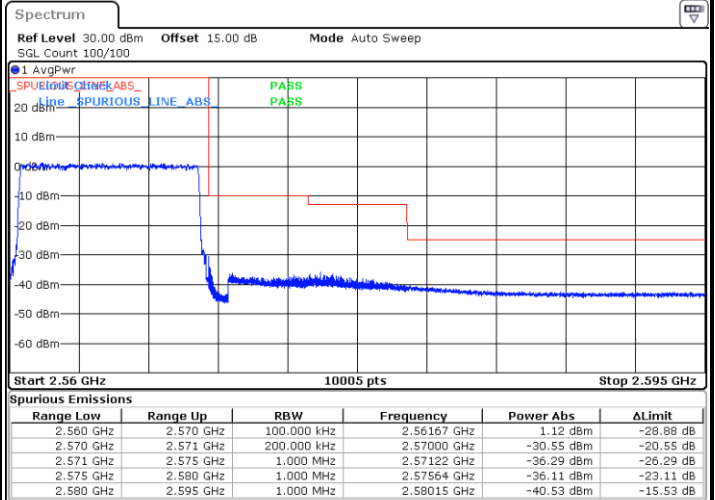
Date: 6.JAN.2025 16:45:21

Lowest Band Edge / Full RB



Date: 6.JAN.2025 16:40:05

Highest Band Edge / Full RB

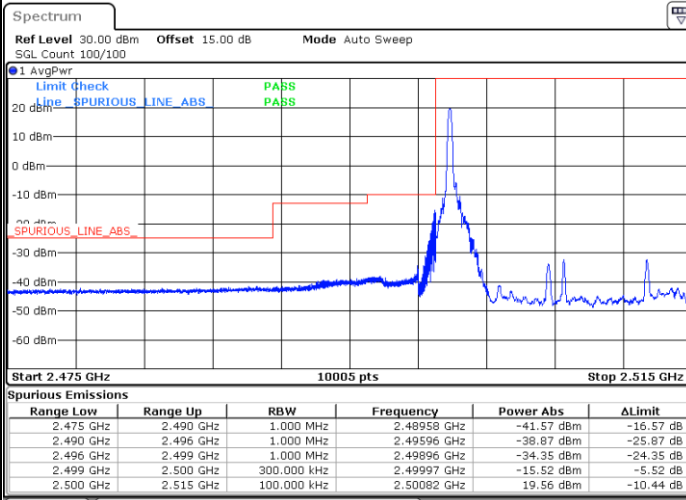


Date: 6.JAN.2025 16:47:09



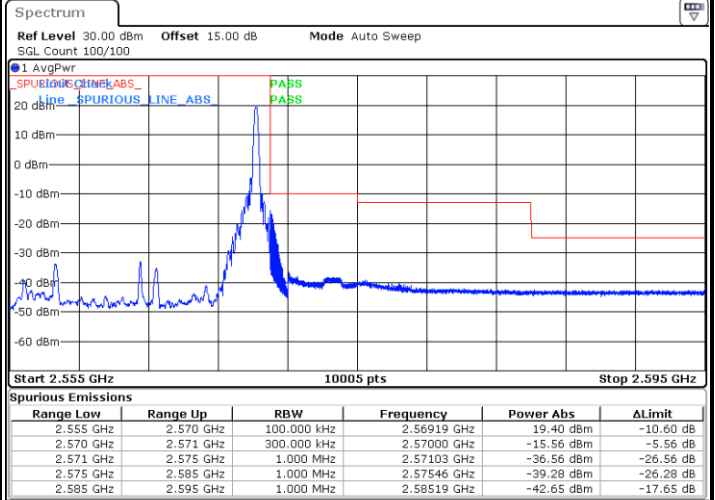
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



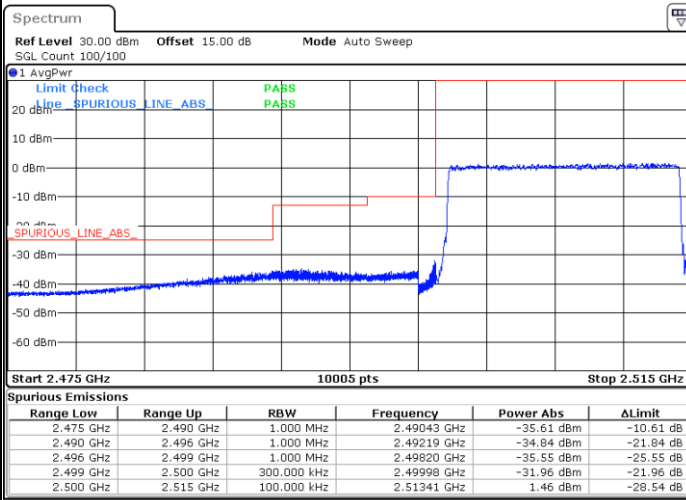
Date: 6.JAN.2025 16:49:33

Highest Band Edge / 1 RB



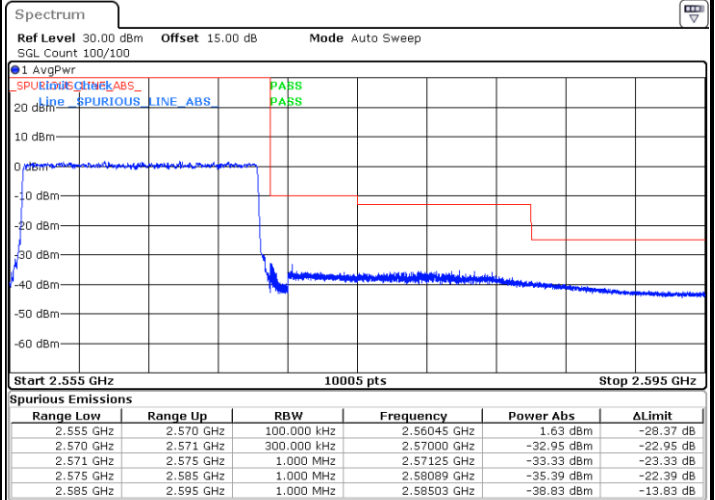
Date: 6.JAN.2025 16:56:39

Lowest Band Edge / Full RB



Date: 6.JAN.2025 16:51:22

Highest Band Edge / Full RB

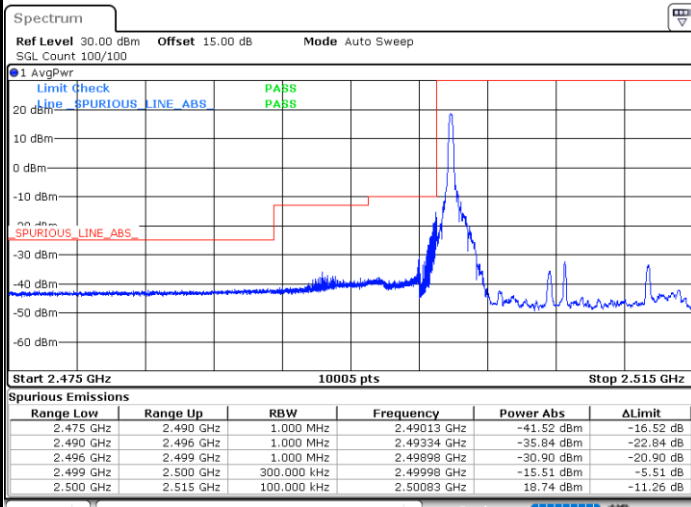


Date: 6.JAN.2025 16:58:27



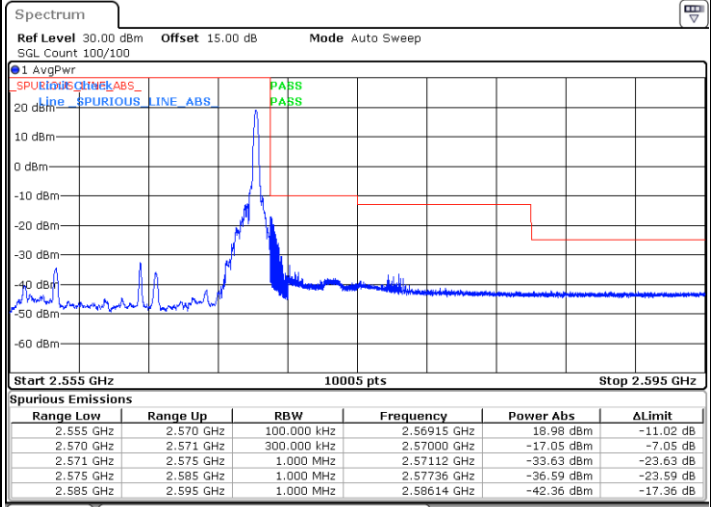
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1RB



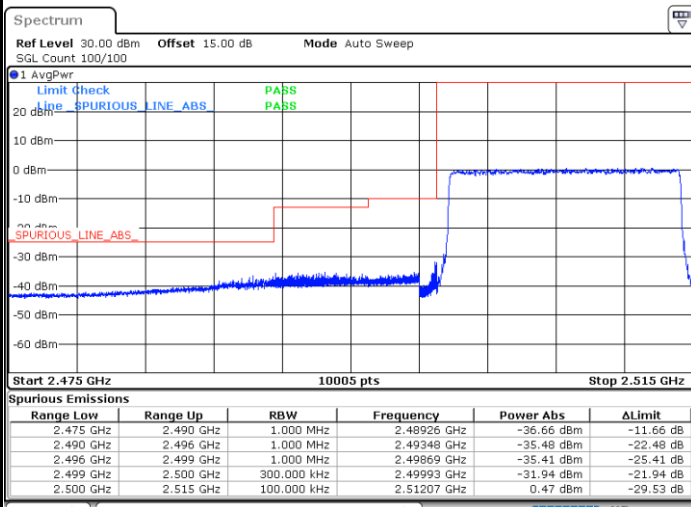
Date: 6.JAN.2025 16:50:10

Highest Band Edge / 1 RB



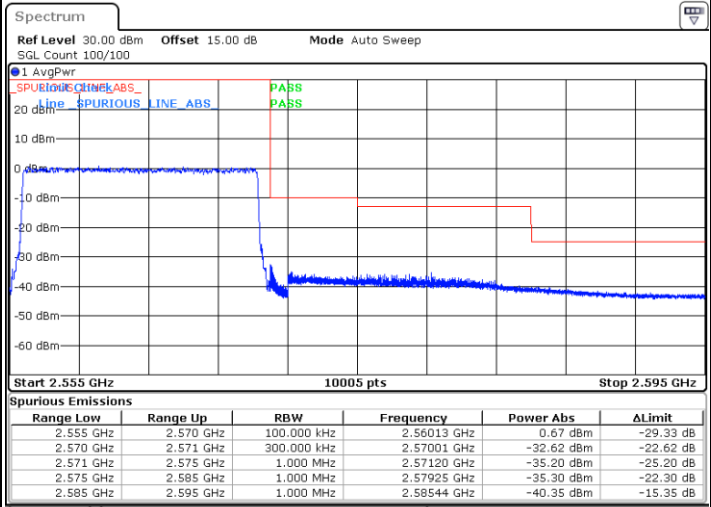
Date: 6.JAN.2025 16:57:15

Lowest Band Edge / Full RB



Date: 6.JAN.2025 16:51:59

Highest Band Edge / Full RB

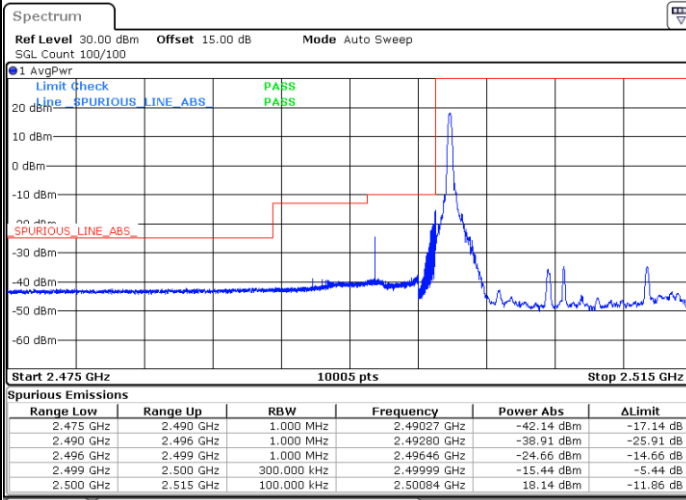


Date: 6.JAN.2025 16:59:03



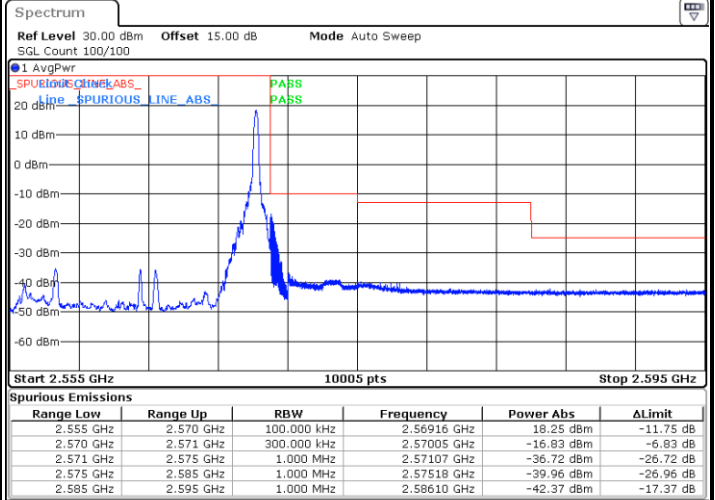
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1RB



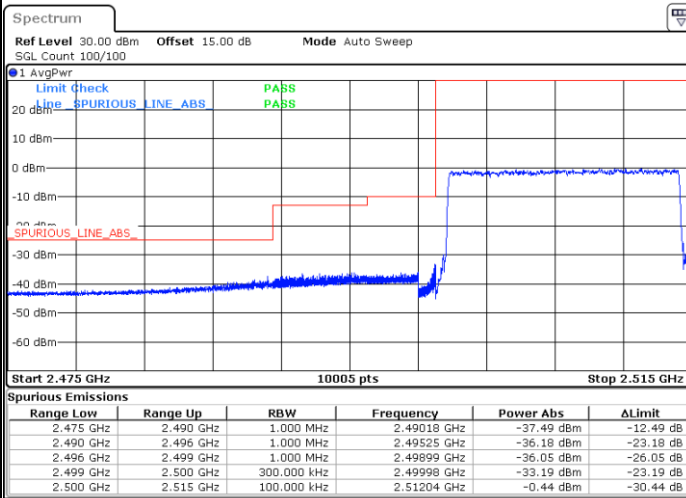
Date: 6.JAN.2025 16:50:46

Highest Band Edge / 1 RB



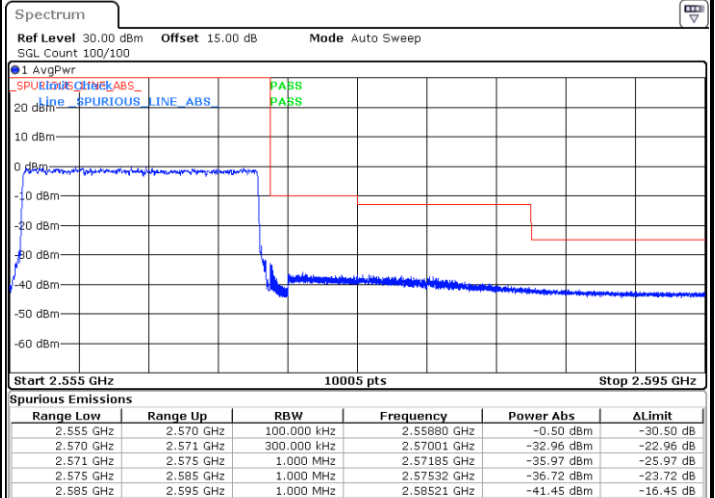
Date: 6.JAN.2025 16:57:50

Lowest Band Edge / Full RB



Date: 6.JAN.2025 16:52:35

Highest Band Edge / Full RB

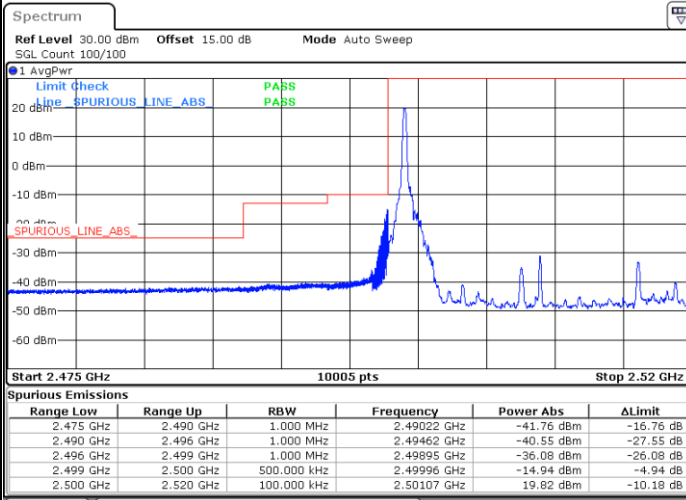


Date: 6.JAN.2025 16:59:39



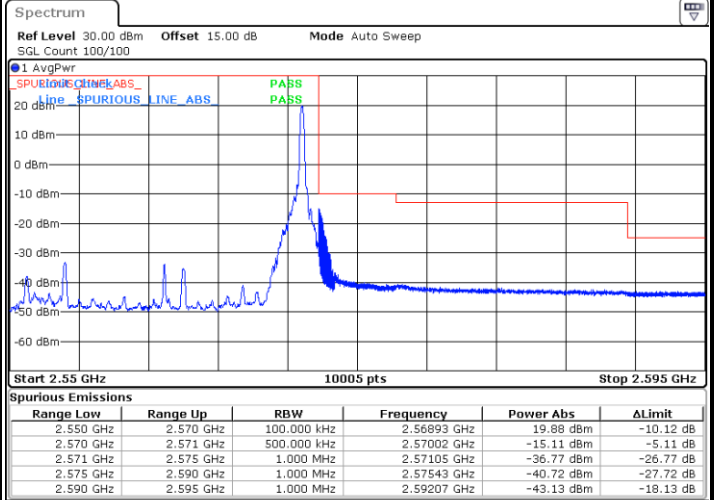
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



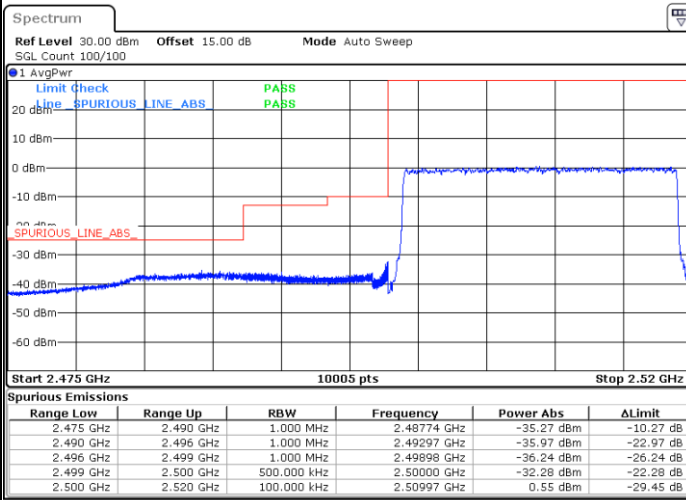
Date: 6.JAN.2025 17:02:03

Highest Band Edge / 1 RB



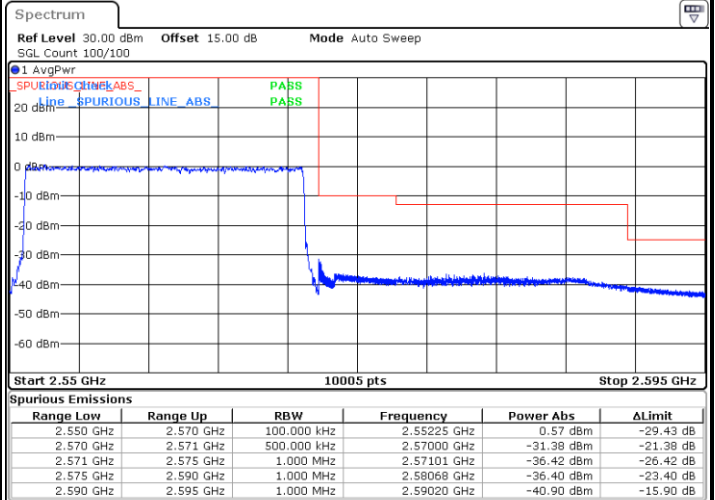
Date: 6.JAN.2025 17:10:30

Lowest Band Edge / Full RB



Date: 6.JAN.2025 17:03:52

Highest Band Edge / Full RB

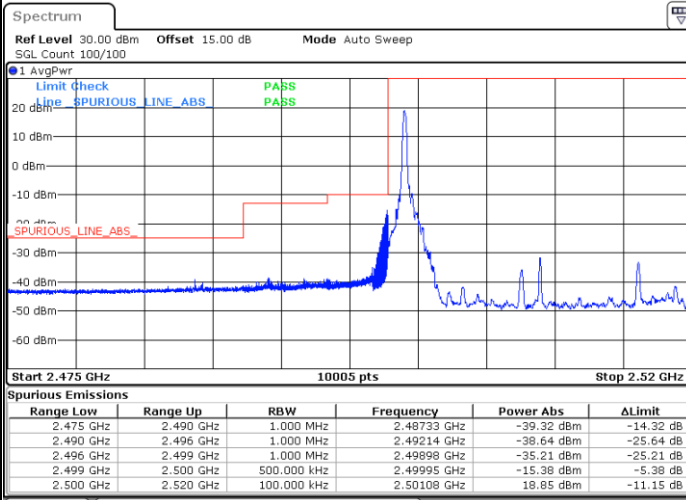


Date: 6.JAN.2025 17:12:19



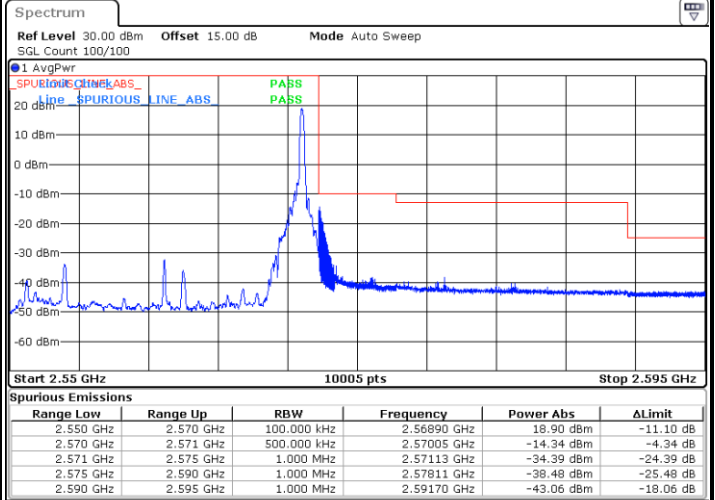
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1RB



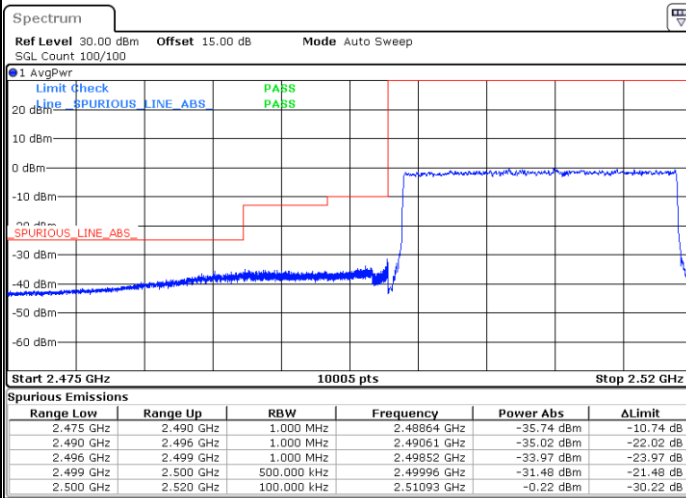
Date: 6.JAN.2025 17:02:39

Highest Band Edge / 1 RB



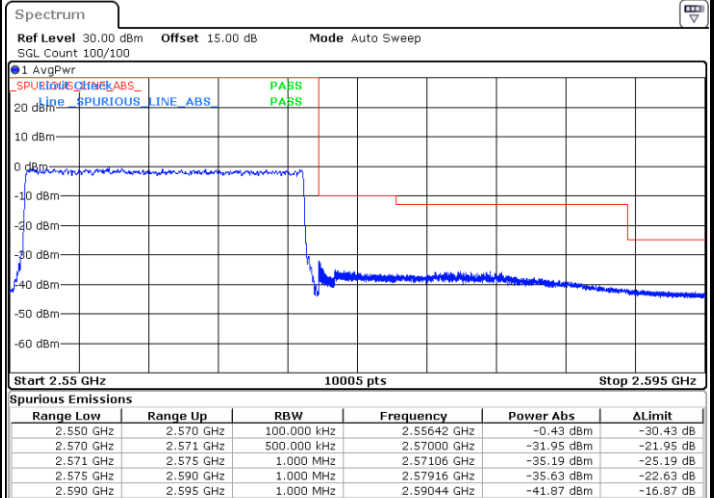
Date: 6.JAN.2025 17:11:06

Lowest Band Edge / Full RB



Date: 6.JAN.2025 17:04:29

Highest Band Edge / Full RB

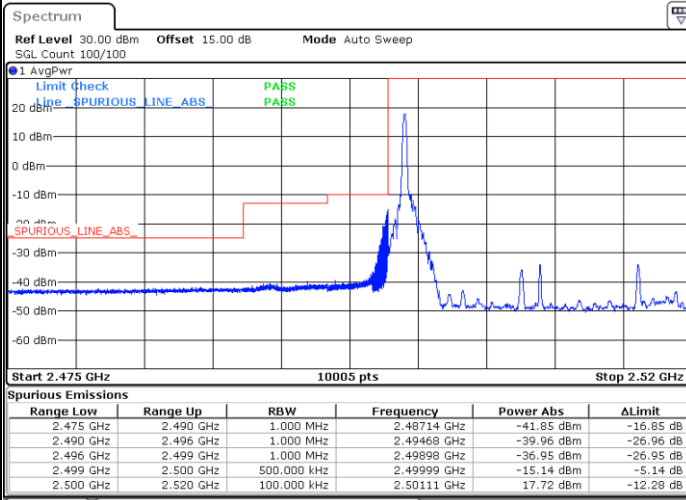


Date: 6.JAN.2025 17:12:55



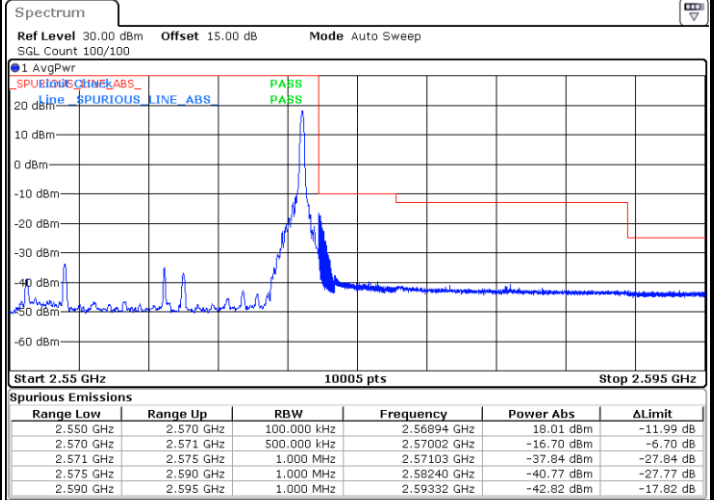
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1RB



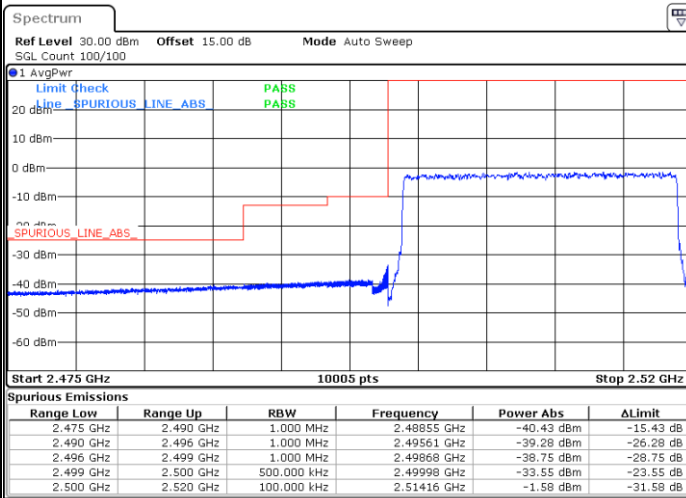
Date: 6.JAN.2025 17:03:16

Highest Band Edge / 1 RB



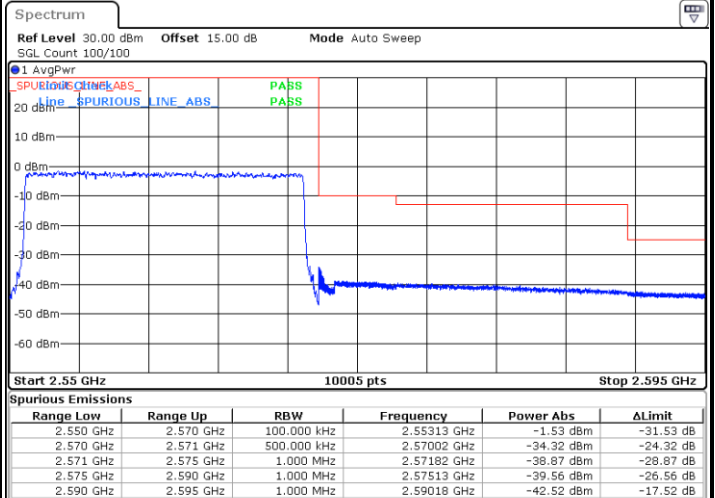
Date: 6.JAN.2025 17:11:42

Lowest Band Edge / Full RB



Date: 6.JAN.2025 17:05:05

Highest Band Edge / Full RB



Date: 6.JAN.2025 17:13:30



# Conducted Spurious Emission

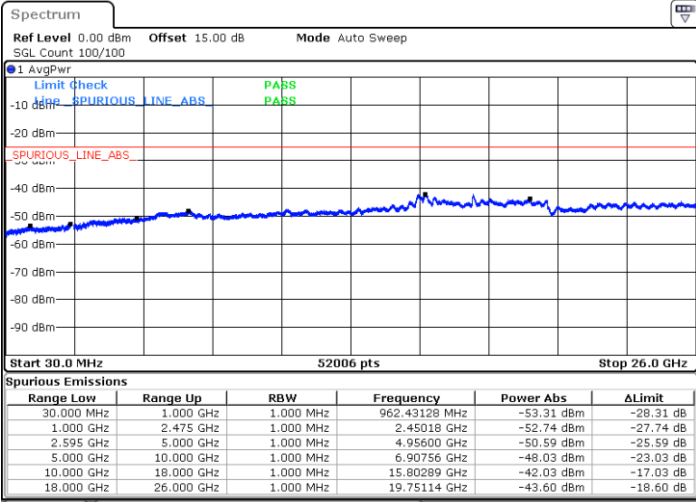




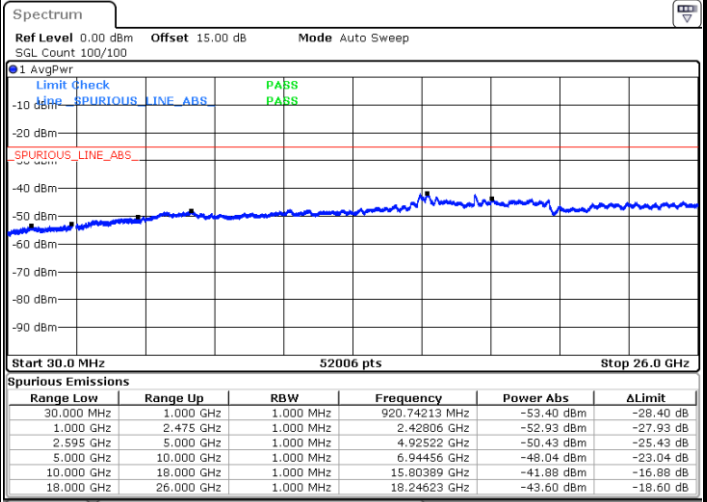
LTE Band 7 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

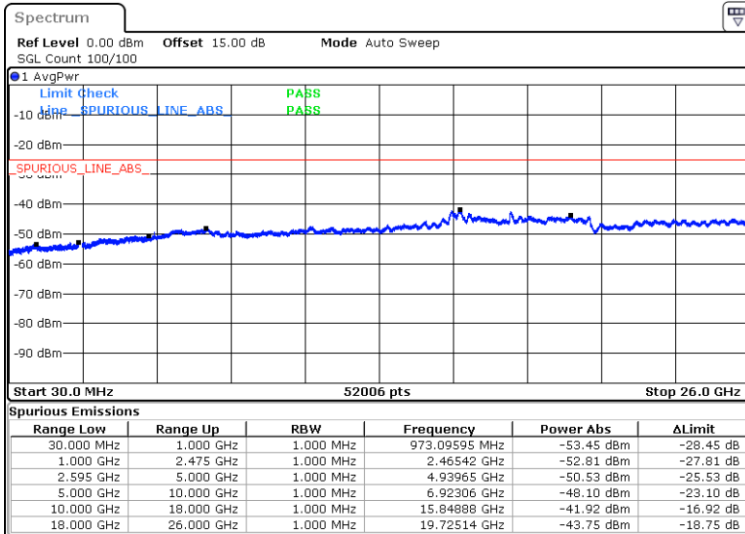


Date: 6.JAN.2025 16:41:09



Date: 6.JAN.2025 16:42:13

Highest Channel / QPSK



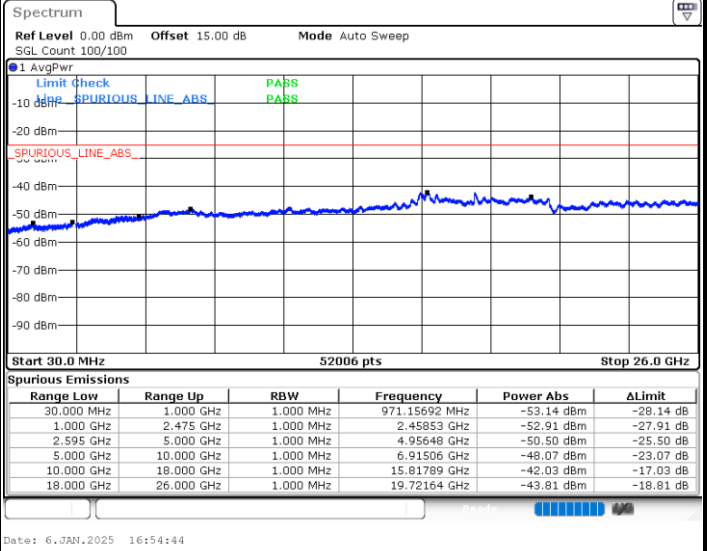
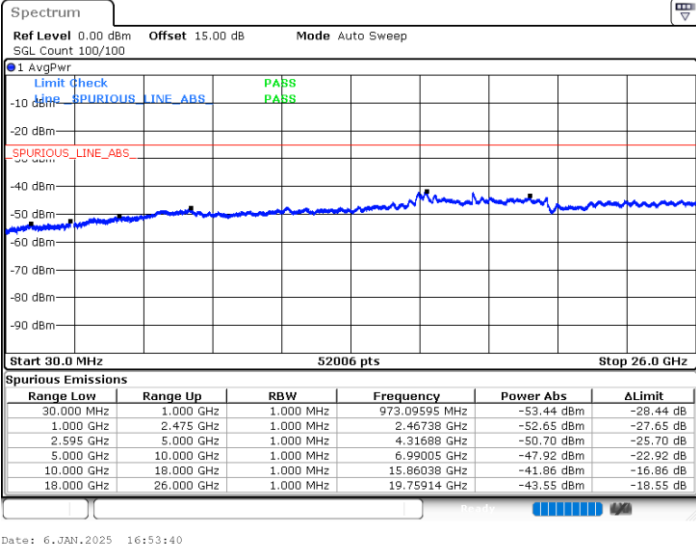
Date: 6.JAN.2025 16:48:14



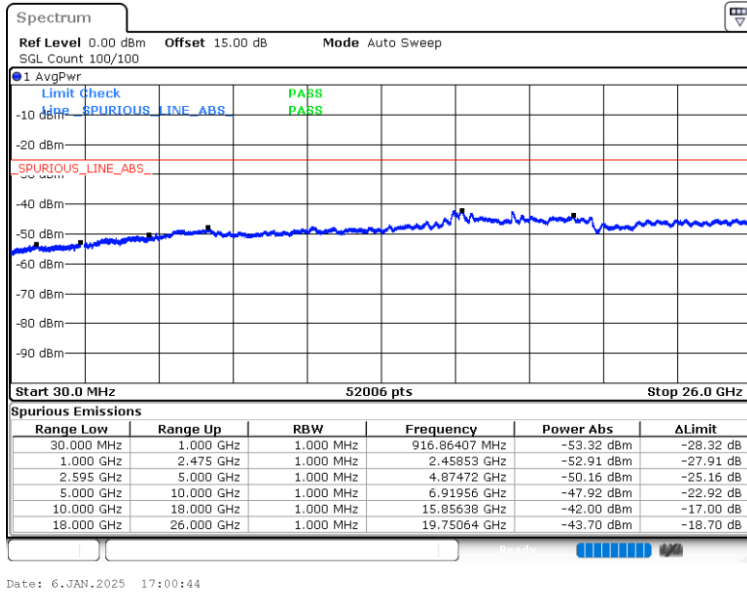
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK



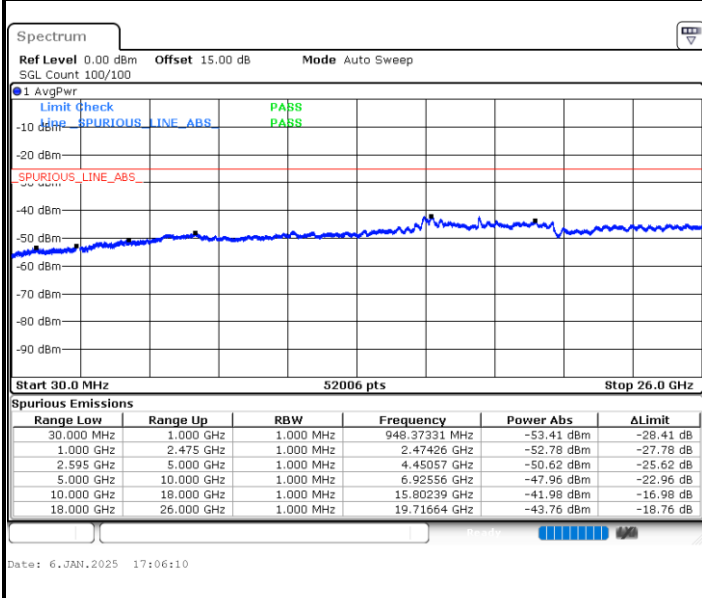
Highest Channel / QPSK



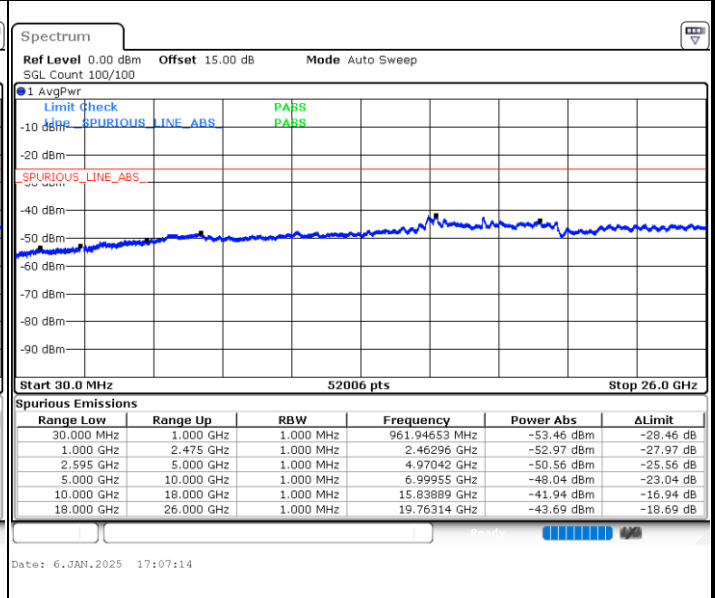


**LTE Band 7 / 20MHz**

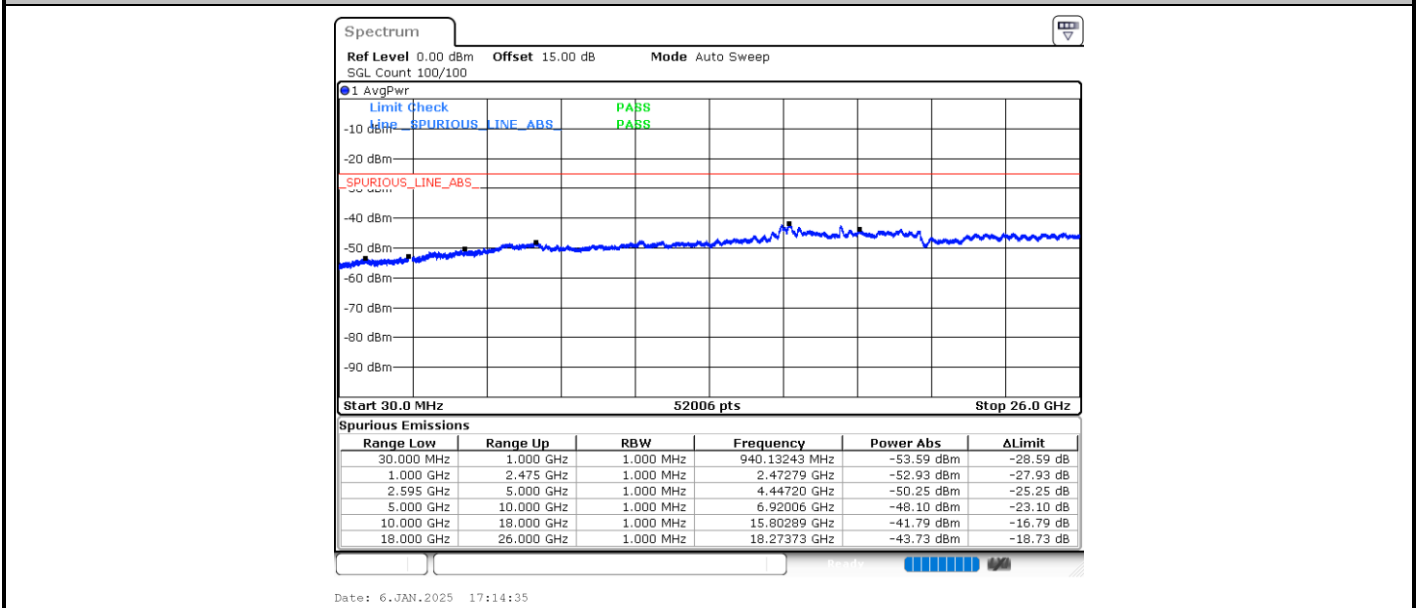
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



**Highest Channel / QPSK**





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	0.0004	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0000	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

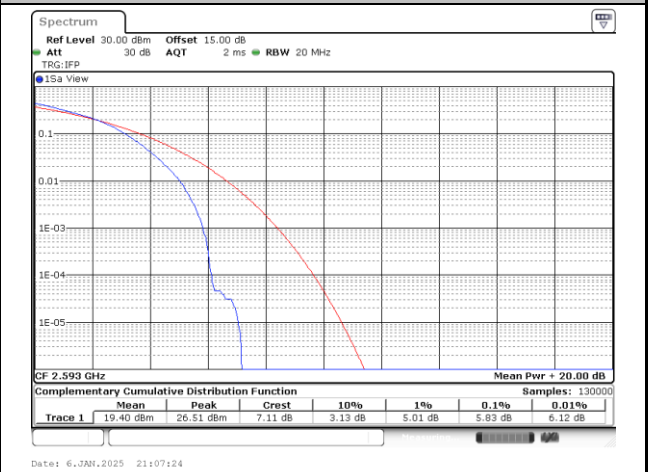
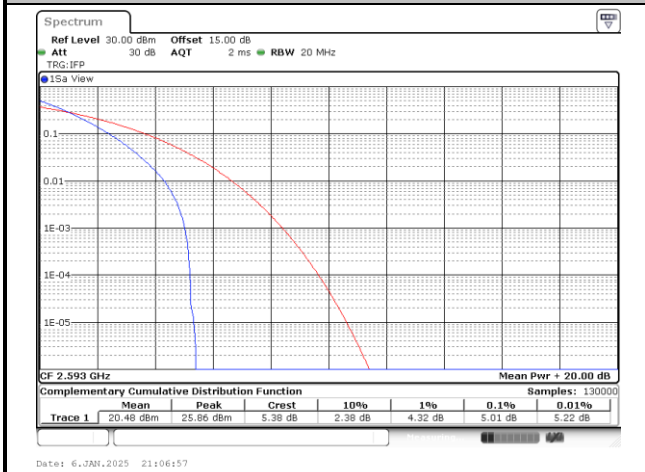


# LTE Band 41(Other PA)

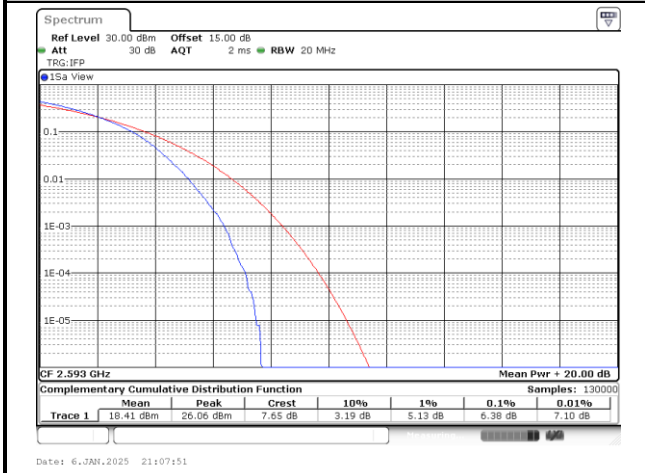
## Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.01	5.83	6.38	PASS

LTE Band 41 / 20MHz / QPSK	LTE Band 41 / 20MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB



LTE Band 41 / 20MHz / 64QAM	
Middle Channel / Full RB	



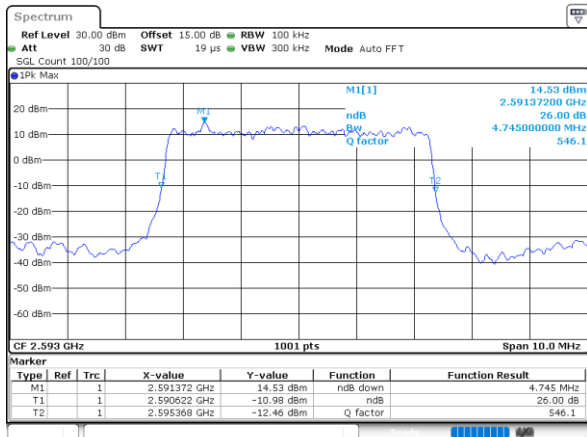


# 26dB Bandwidth

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	-	-	-	-	4.75	4.81	9.61	9.71	14.30	14.42	18.62	18.70

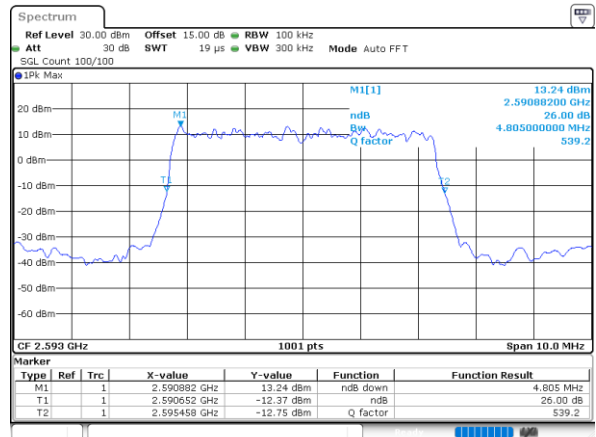
## LTE Band 41

### Middle Channel / 5MHz / QPSK



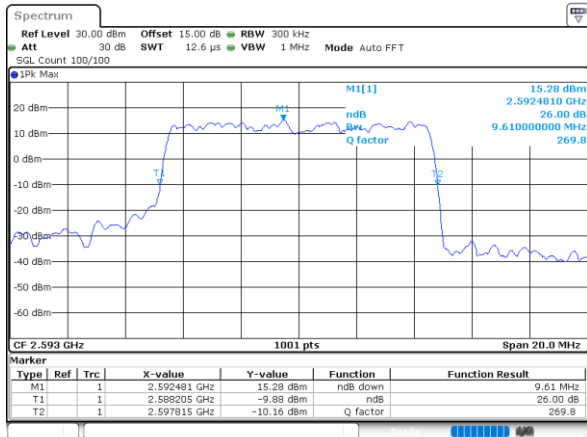
Date: 6, JAN, 2025 20:17:36

### Middle Channel / 5MHz / 16QAM



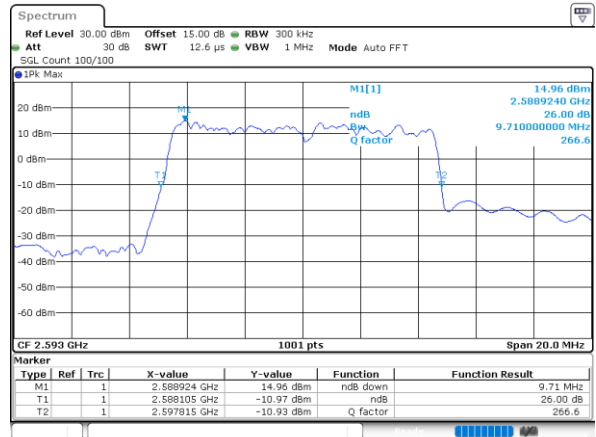
Date: 6, JAN, 2025 20:18:15

### Middle Channel / 10MHz / QPSK

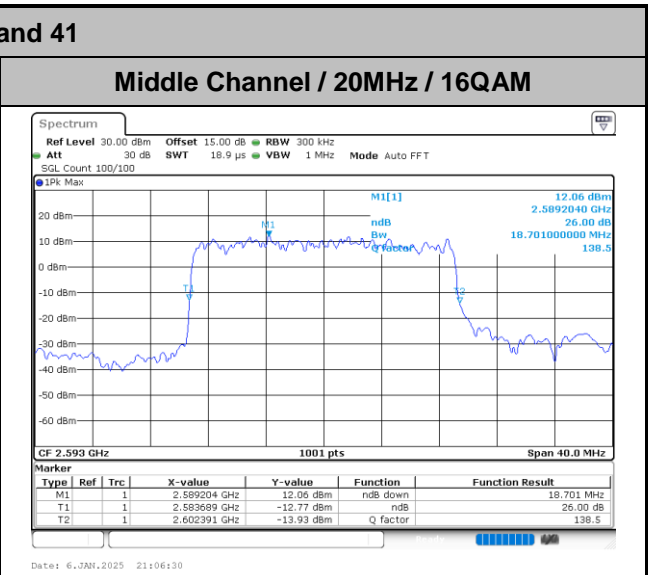
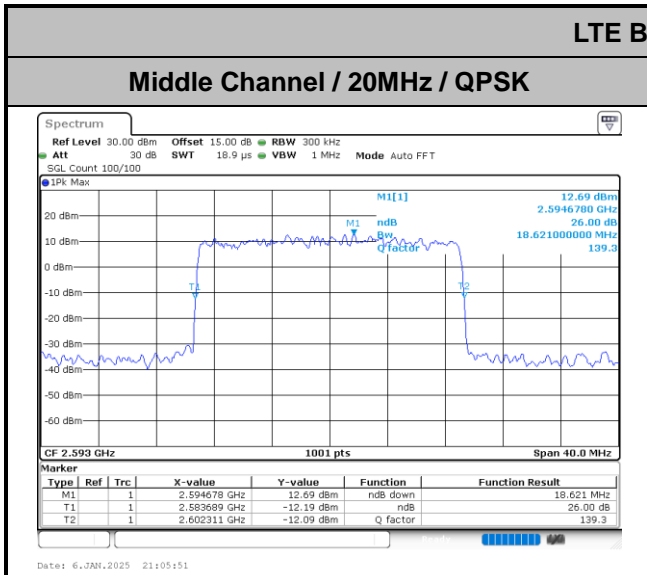
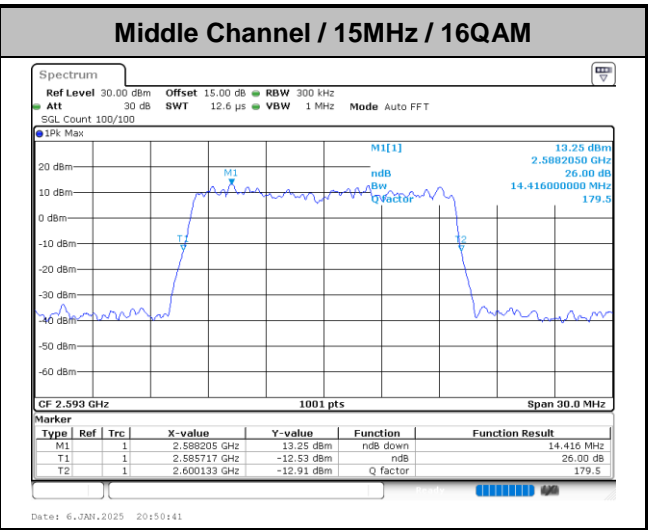
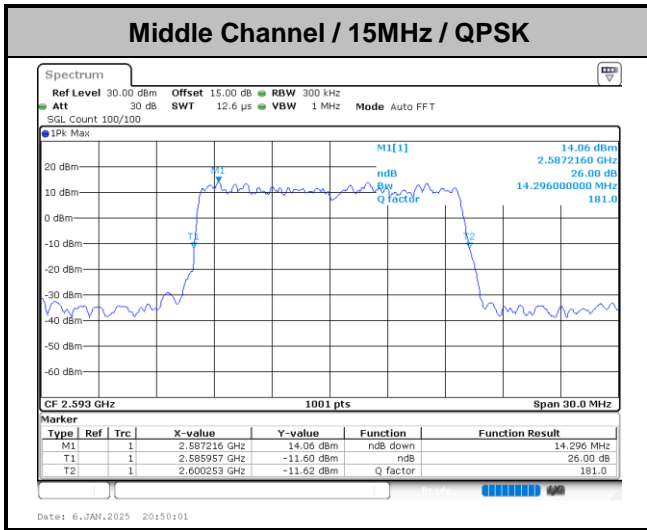


Date: 6, JAN, 2025 20:13:27

### Middle Channel / 10MHz / 16QAM



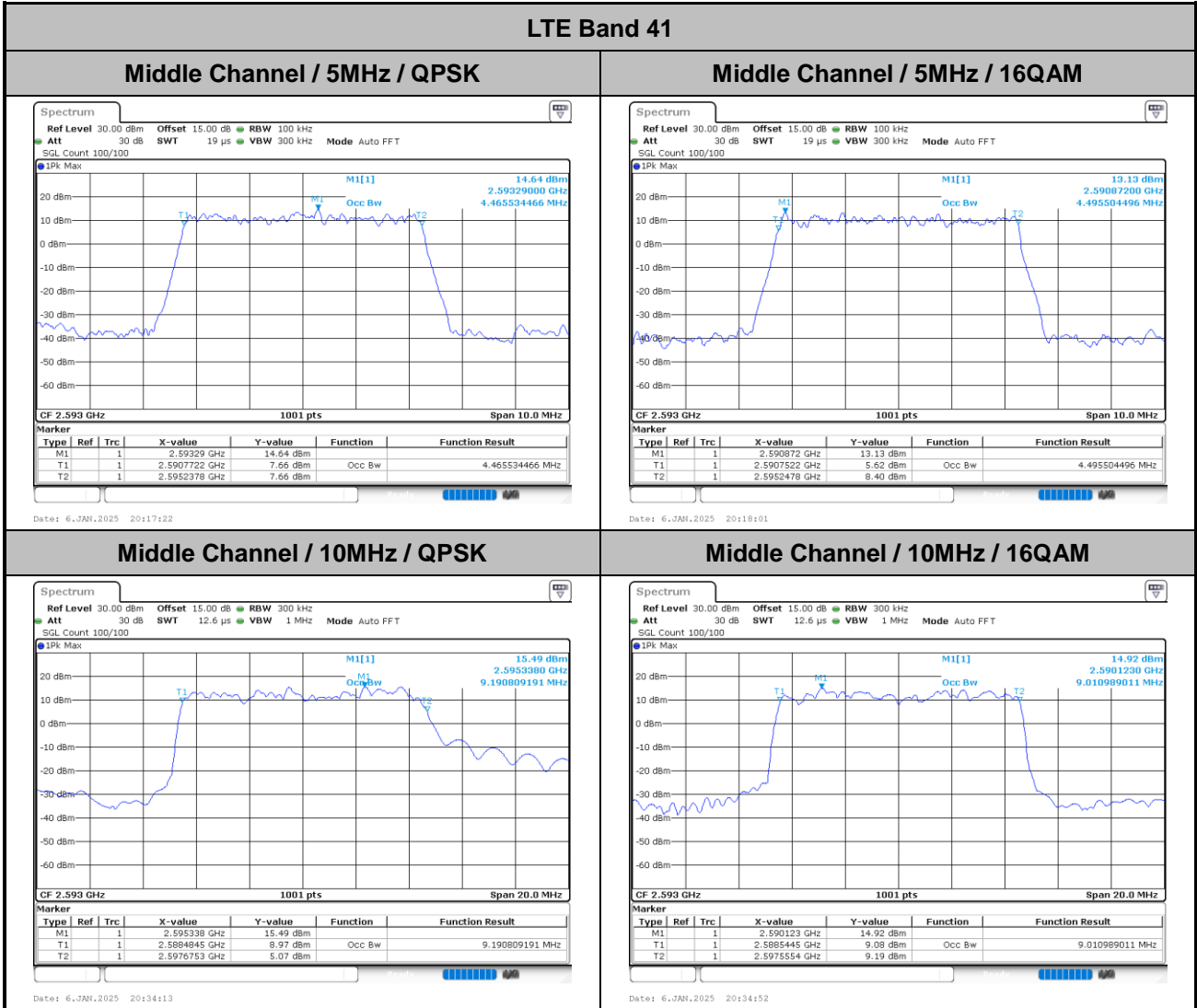
Date: 6, JAN, 2025 20:35:06

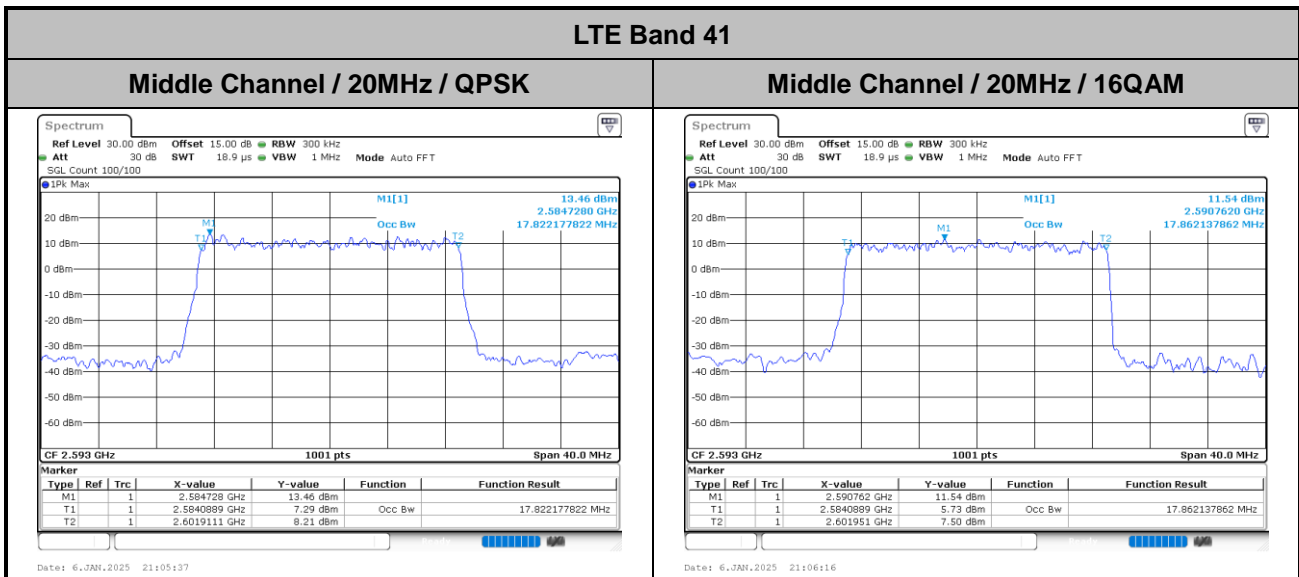
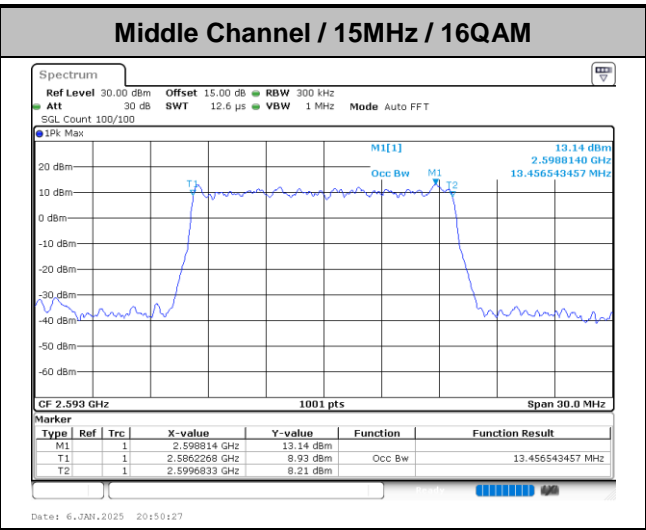
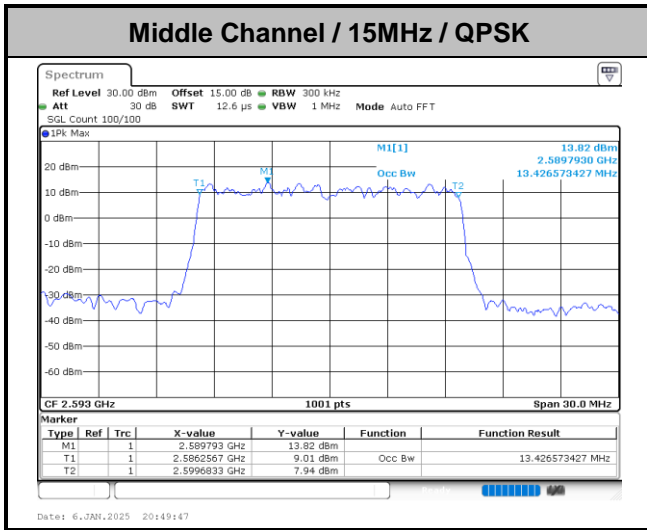




# Occupied Bandwidth

Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.47	4.50	9.19	9.01	13.43	13.46	17.82	17.86



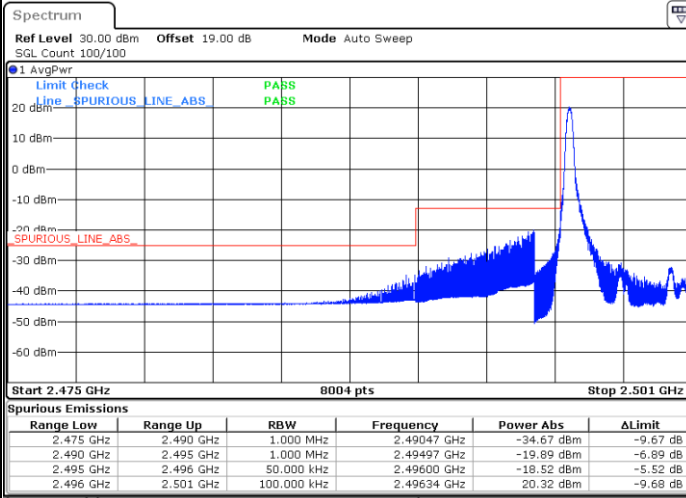




# Conducted Band Edge

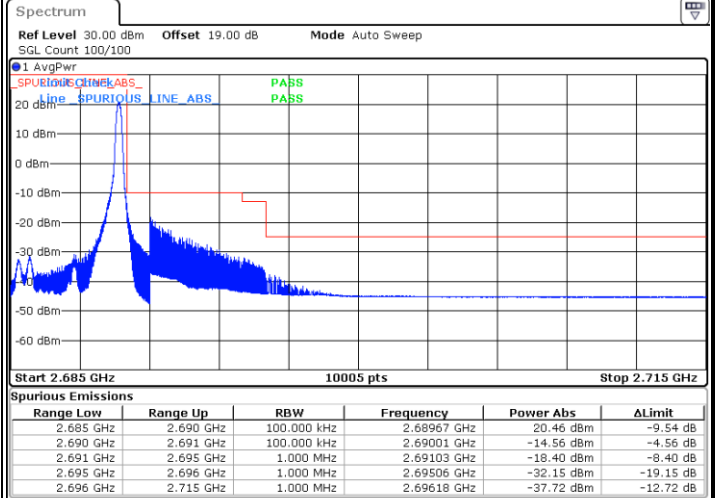
## LTE Band 41 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



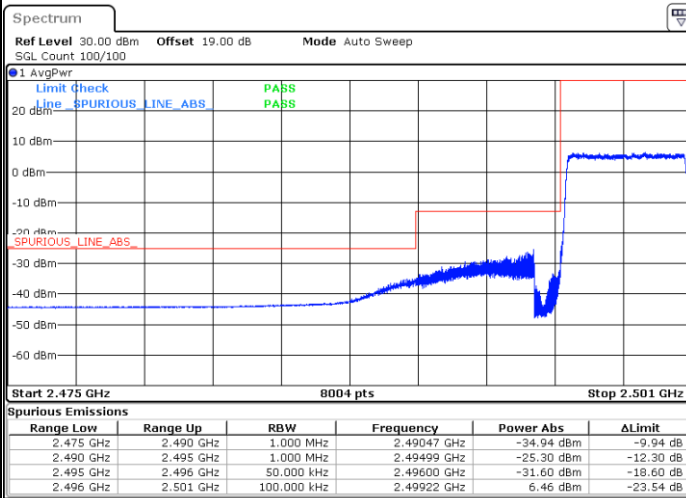
Date: 6.JAN.2025 20:10:24

### Highest Band Edge / 1 RB



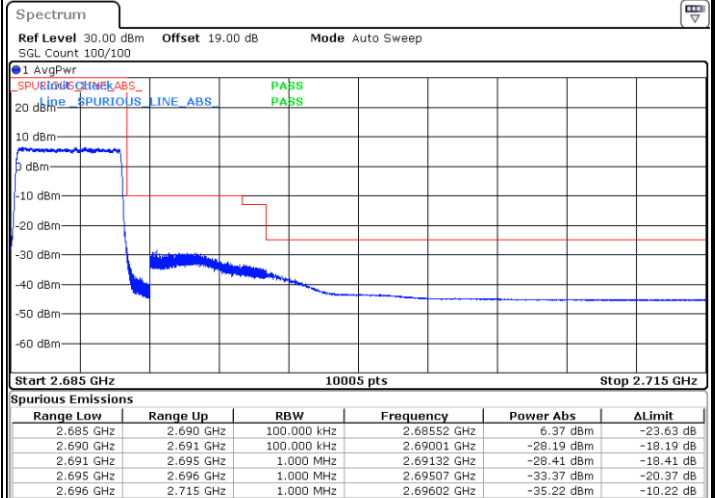
Date: 7.JAN.2025 00:50:52

### Lowest Band Edge / Full RB



Date: 6.JAN.2025 20:14:44

### Highest Band Edge / Full RB

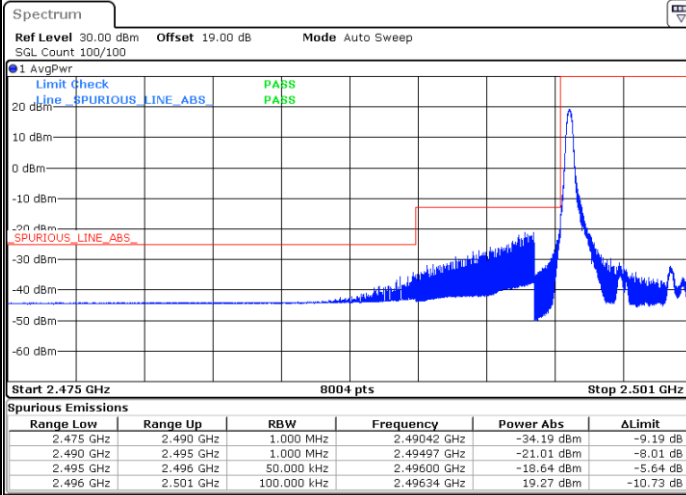


Date: 7.JAN.2025 00:58:33



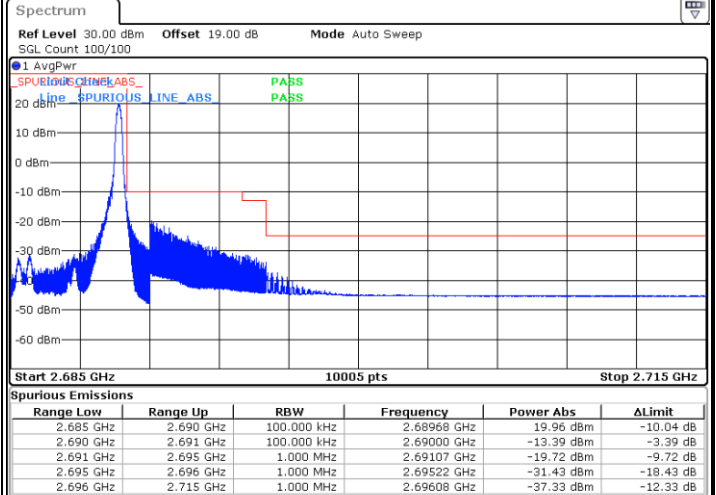
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



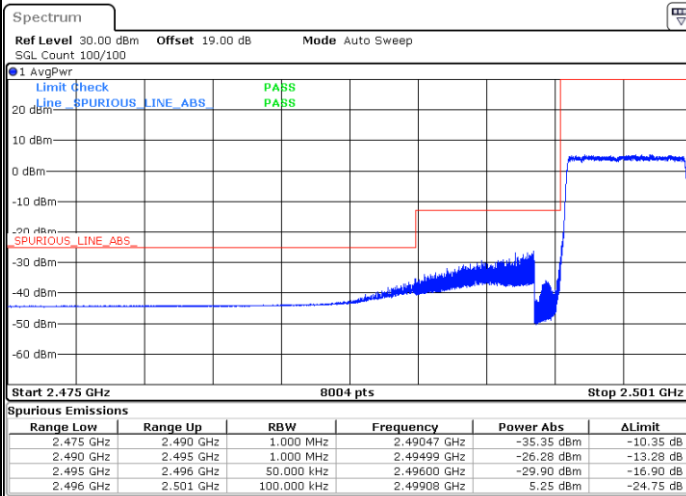
Date: 6.JAN.2025 20:11:16

Highest Band Edge / 1 RB



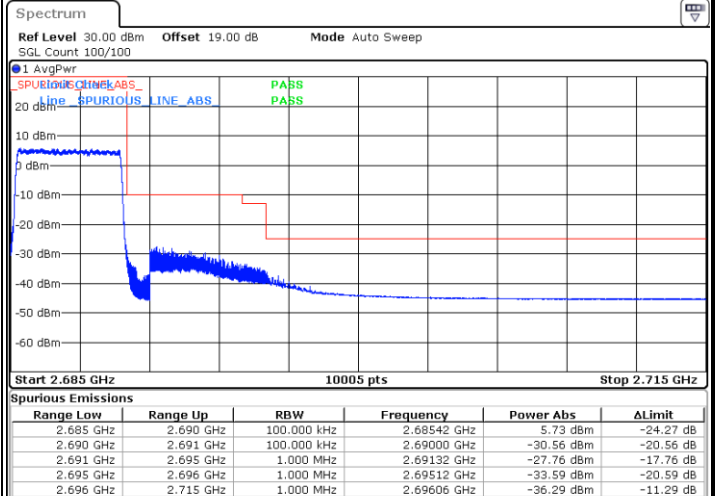
Date: 7.JAN.2025 00:52:18

Lowest Band Edge / Full RB



Date: 6.JAN.2025 20:13:52

Highest Band Edge / Full RB

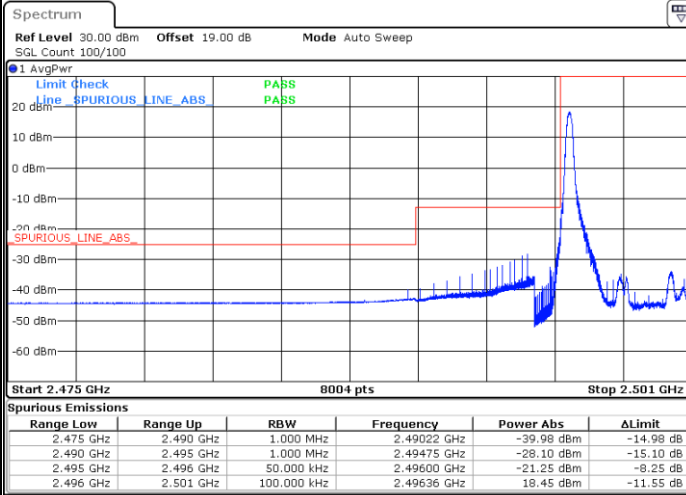


Date: 7.JAN.2025 00:57:12



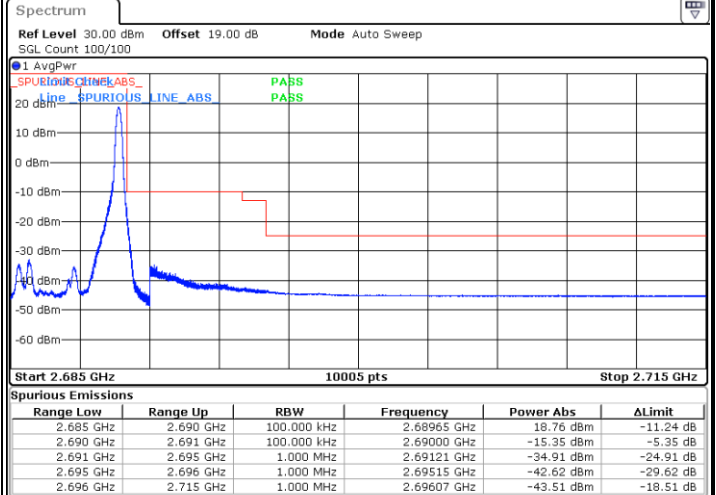
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



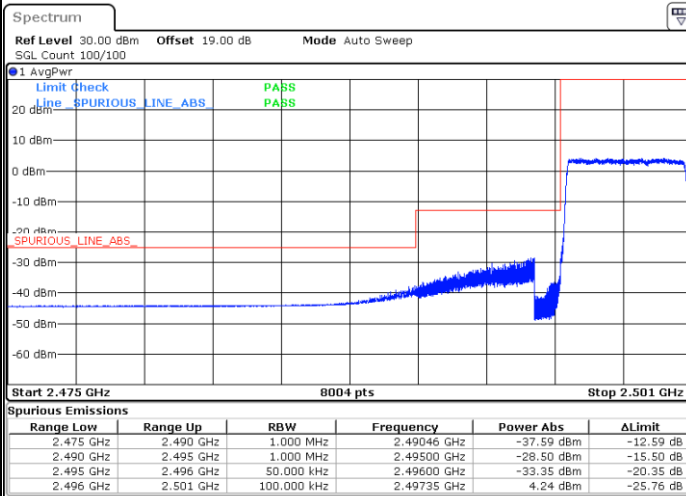
Date: 6.JAN.2025 20:12:08

Highest Band Edge / 1 RB



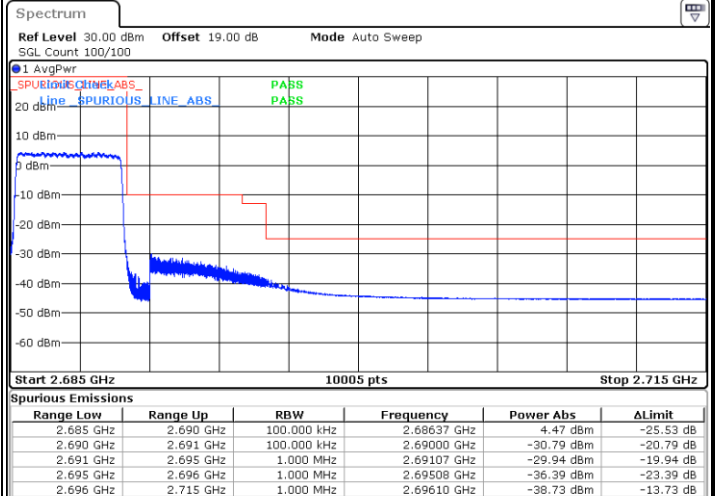
Date: 7.JAN.2025 00:54:14

Lowest Band Edge / Full RB



Date: 6.JAN.2025 20:13:00

Highest Band Edge / Full RB

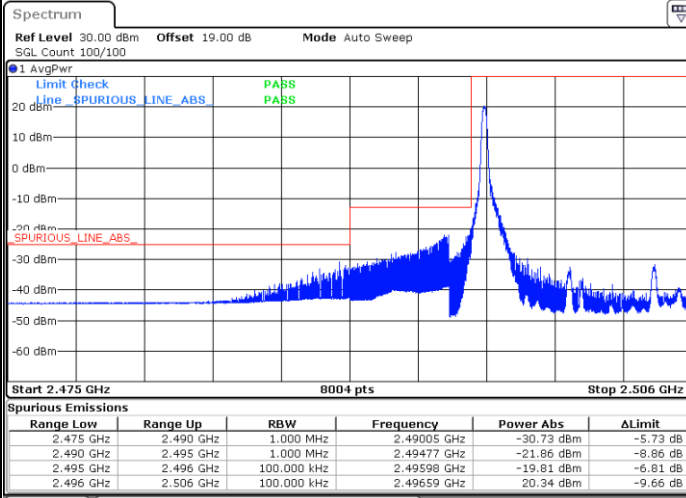


Date: 7.JAN.2025 00:55:41



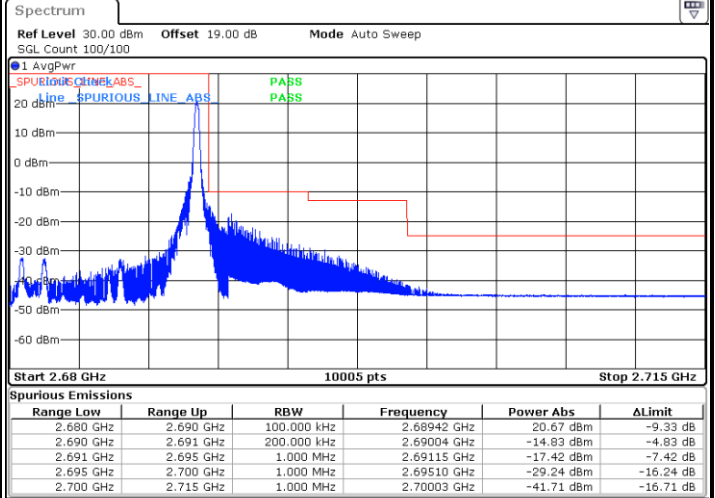
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



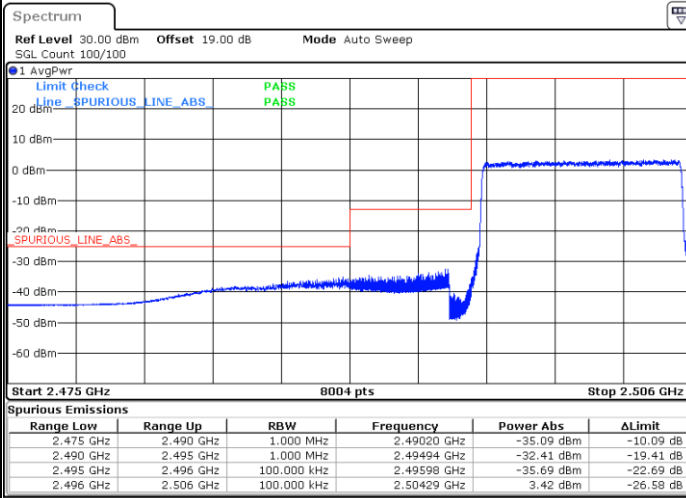
Date: 6.JAN.2025 20:27:17

Highest Band Edge / 1 RB



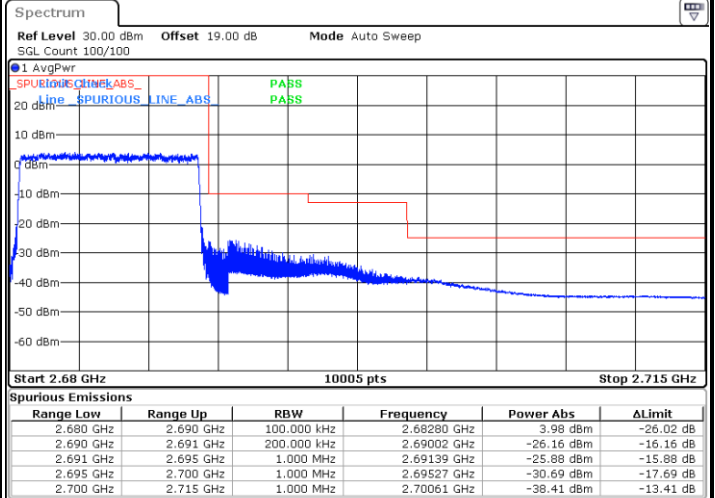
Date: 6.JAN.2025 20:35:57

Lowest Band Edge / Full RB



Date: 6.JAN.2025 20:31:34

Highest Band Edge / Full RB

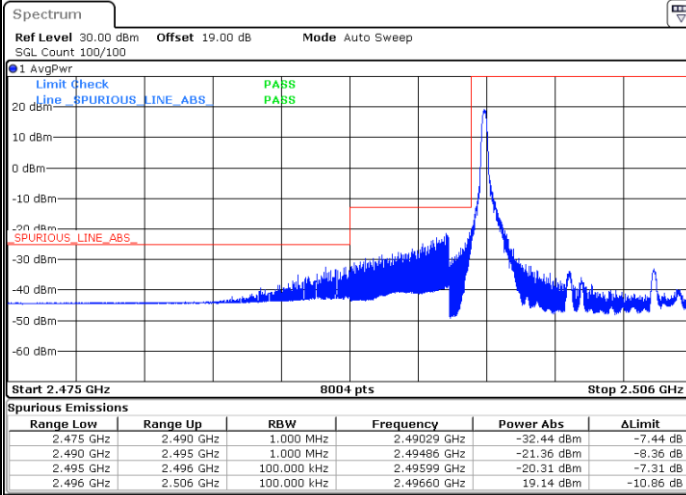


Date: 6.JAN.2025 20:40:13



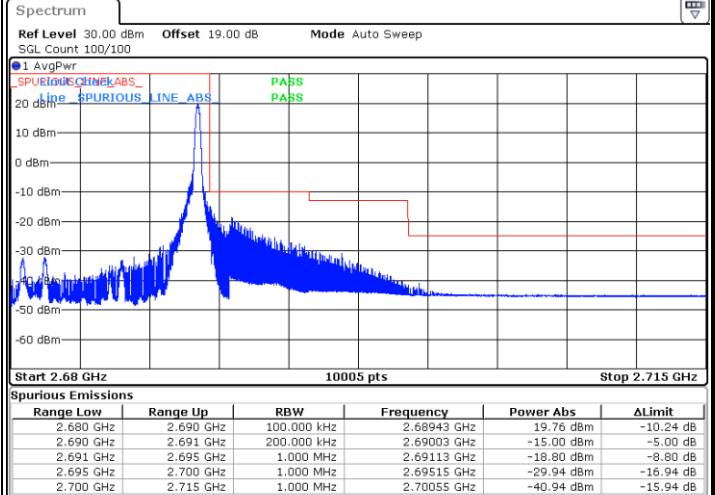
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1RB



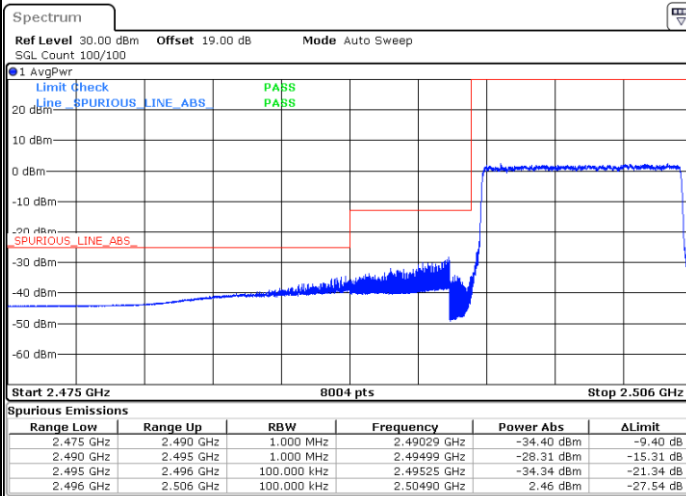
Date: 6.JAN.2025 20:28:08

Highest Band Edge / 1 RB



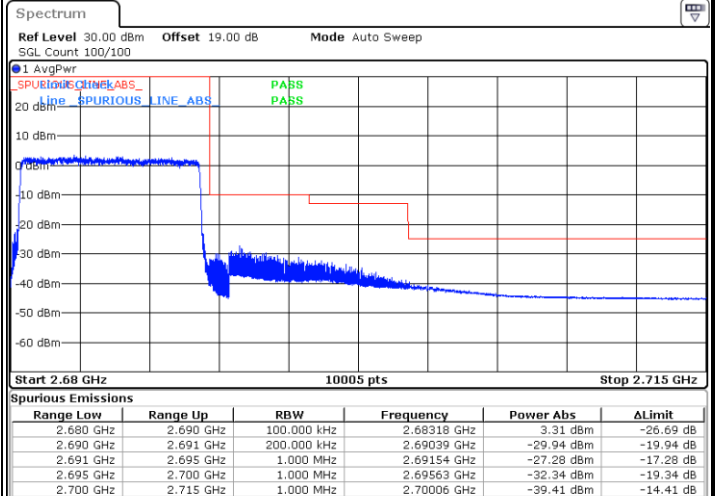
Date: 6.JAN.2025 20:36:48

Lowest Band Edge / Full RB



Date: 6.JAN.2025 20:30:43

Highest Band Edge / Full RB

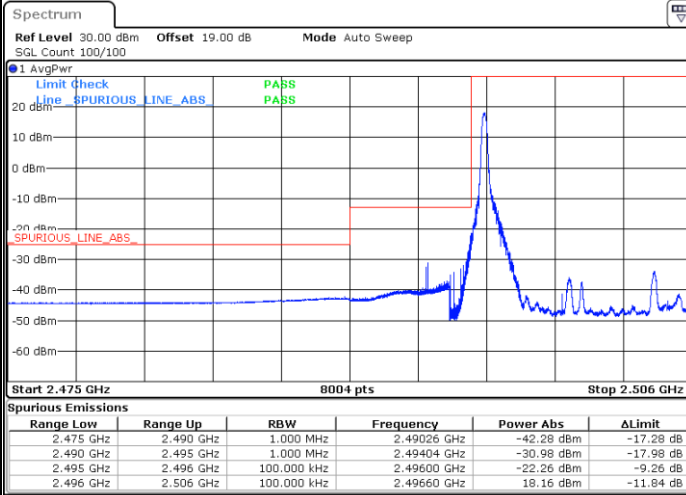


Date: 6.JAN.2025 20:39:22



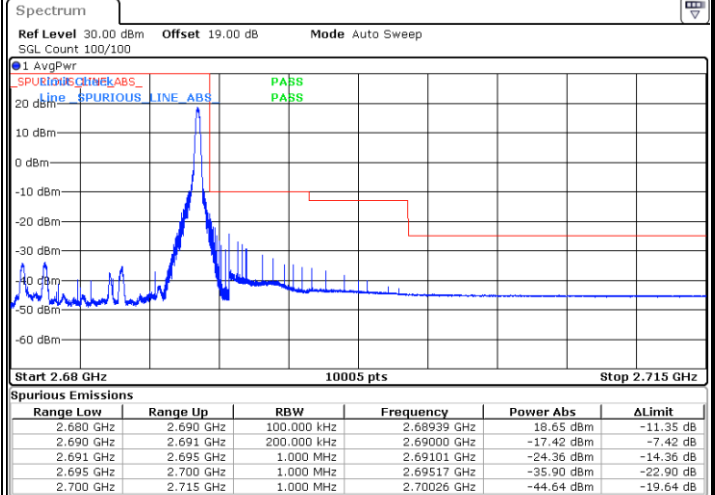
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1RB



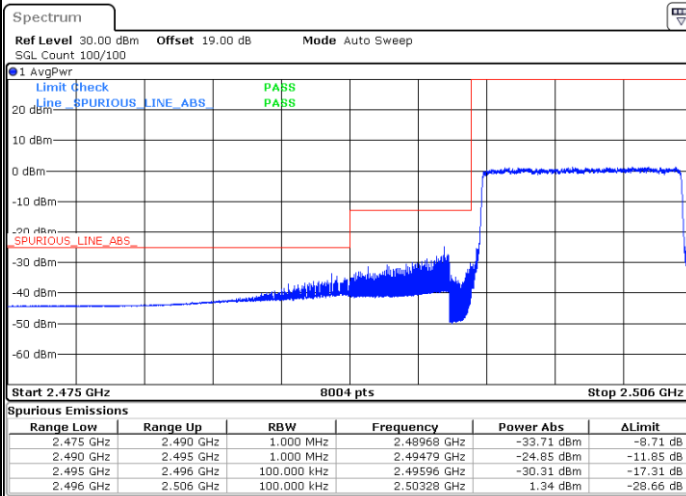
Date: 6.JAN.2025 20:28:59

Highest Band Edge / 1 RB



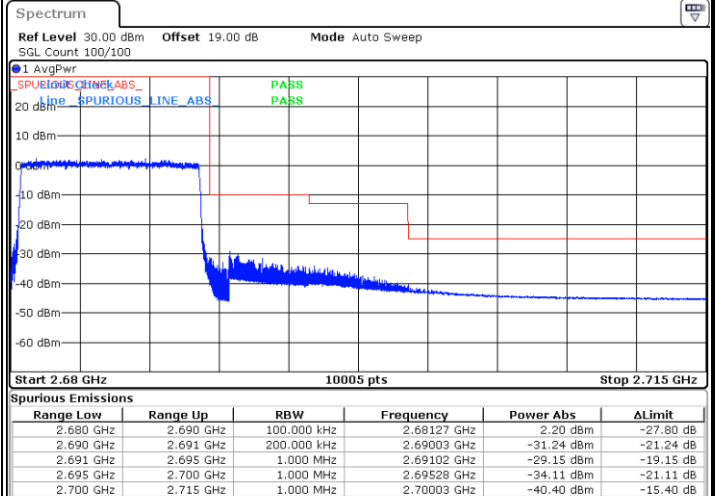
Date: 6.JAN.2025 20:37:39

Lowest Band Edge / Full RB



Date: 6.JAN.2025 20:29:51

Highest Band Edge / Full RB

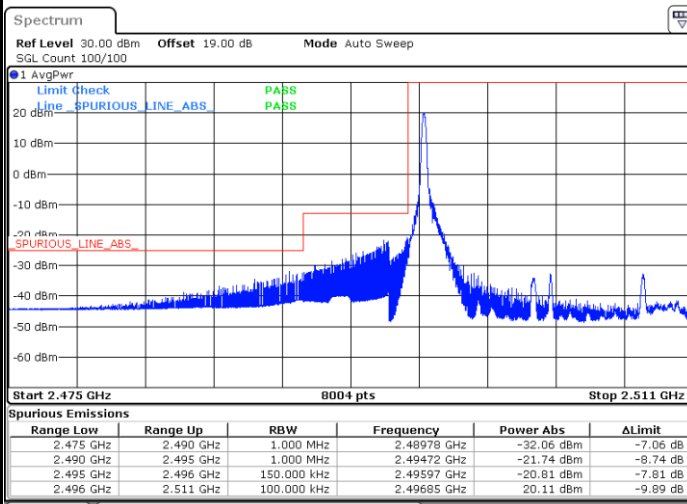


Date: 6.JAN.2025 20:38:30



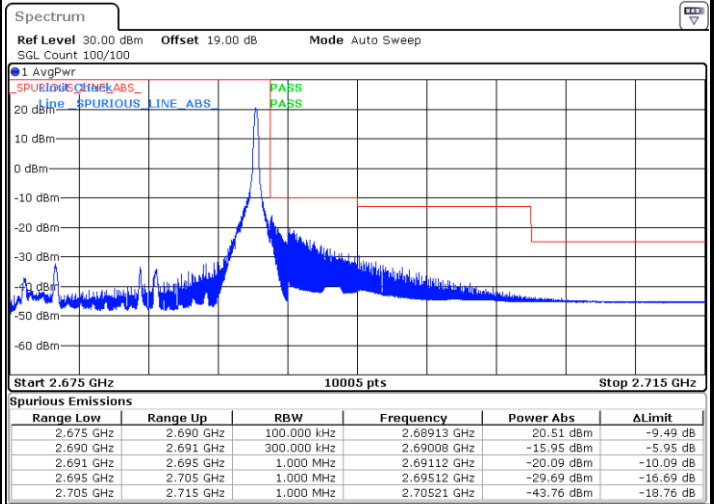
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



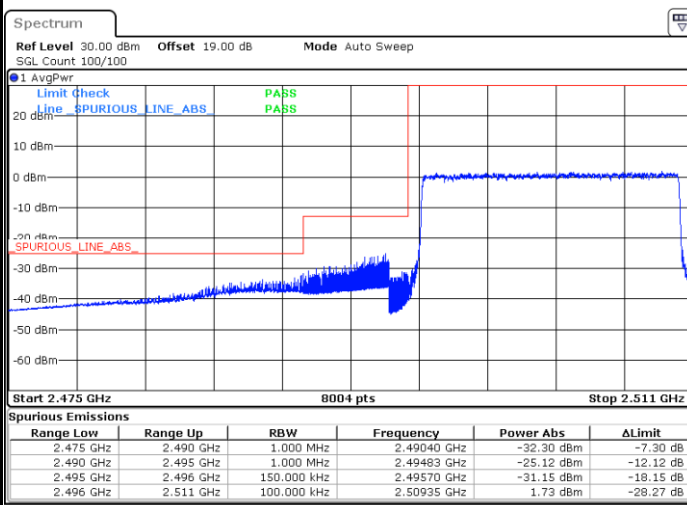
Date: 6.JAN.2025 20:42:53

Highest Band Edge / 1 RB



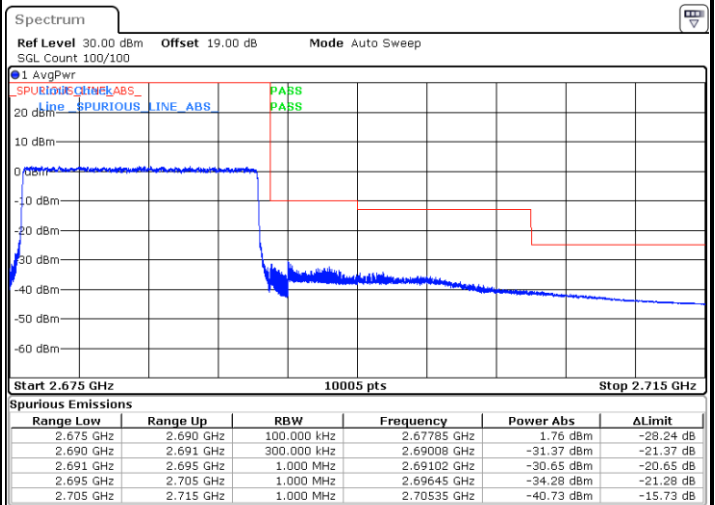
Date: 6.JAN.2025 20:51:34

Lowest Band Edge / Full RB



Date: 6.JAN.2025 20:47:10

Highest Band Edge / Full RB

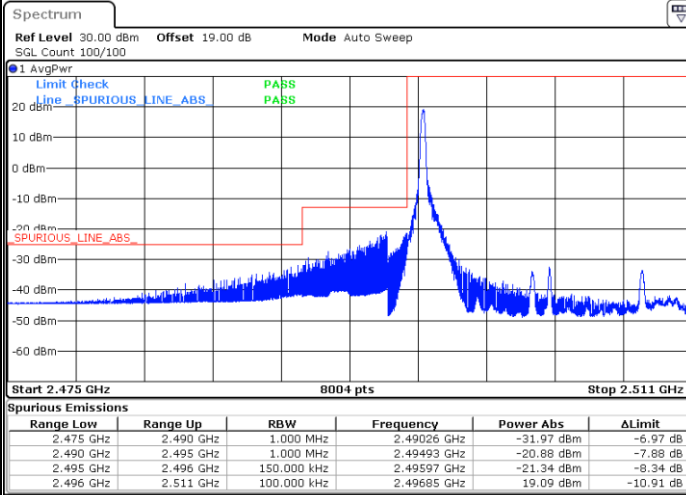


Date: 6.JAN.2025 20:56:03



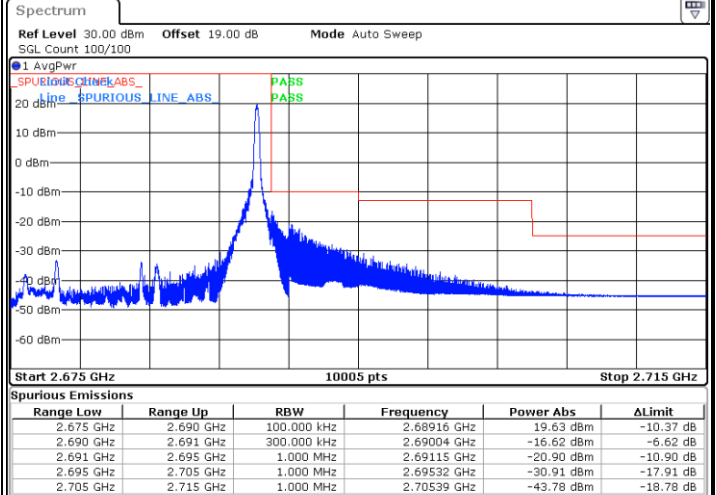
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1RB



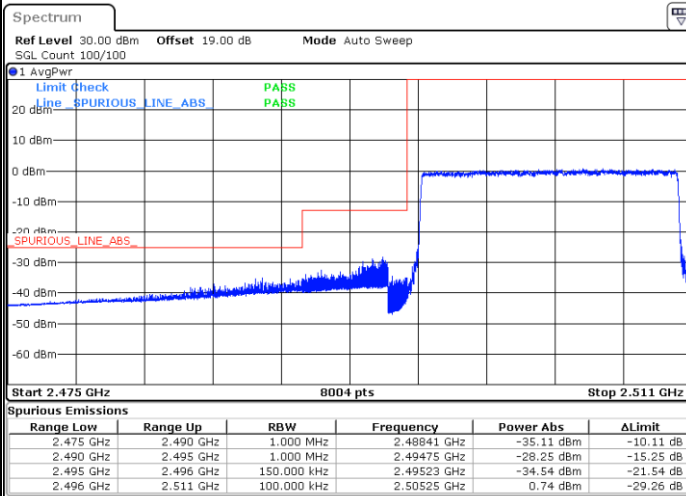
Date: 6.JAN.2025 20:43:44

Highest Band Edge / 1 RB



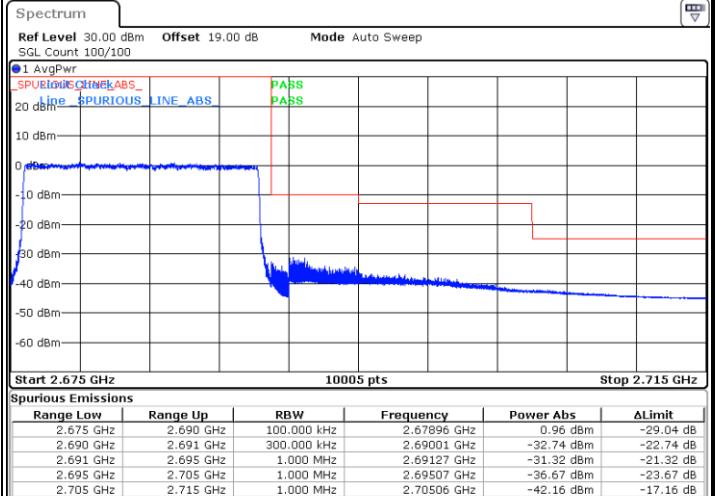
Date: 6.JAN.2025 20:52:27

Lowest Band Edge / Full RB



Date: 6.JAN.2025 20:46:18

Highest Band Edge / Full RB



Date: 6.JAN.2025 20:55:09