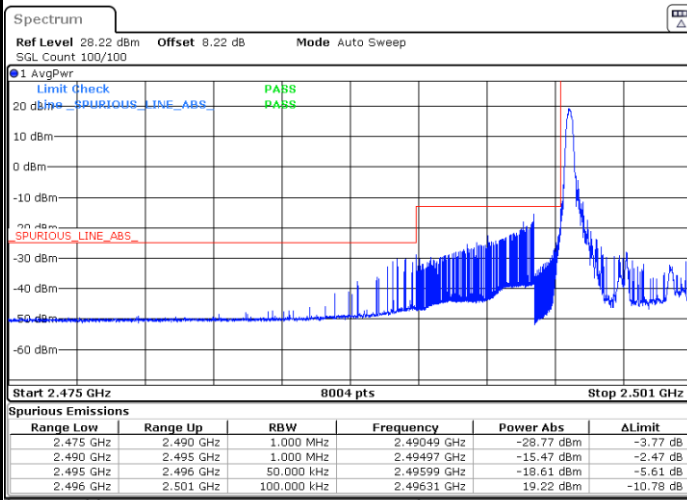




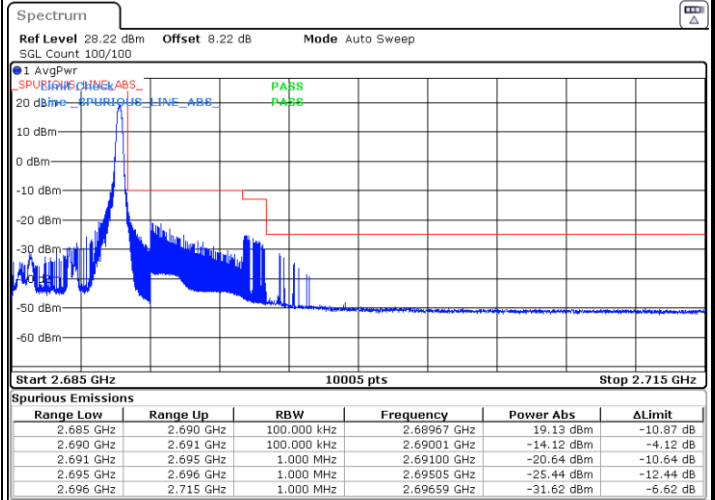
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



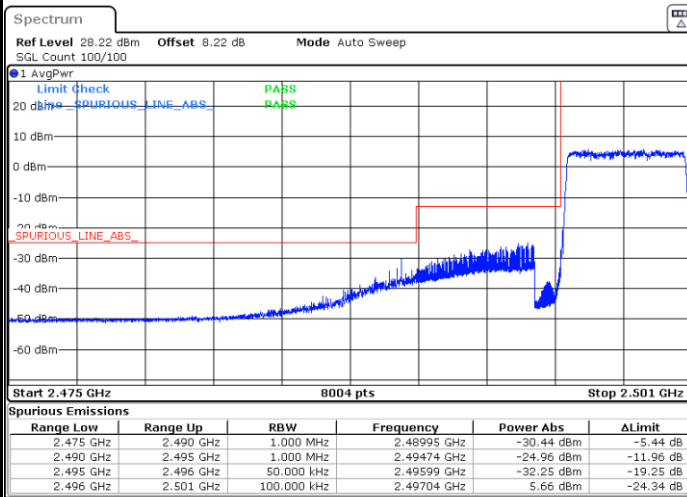
Date: 19.MAR.2025 14:51:45

Highest Band Edge / 1 RB



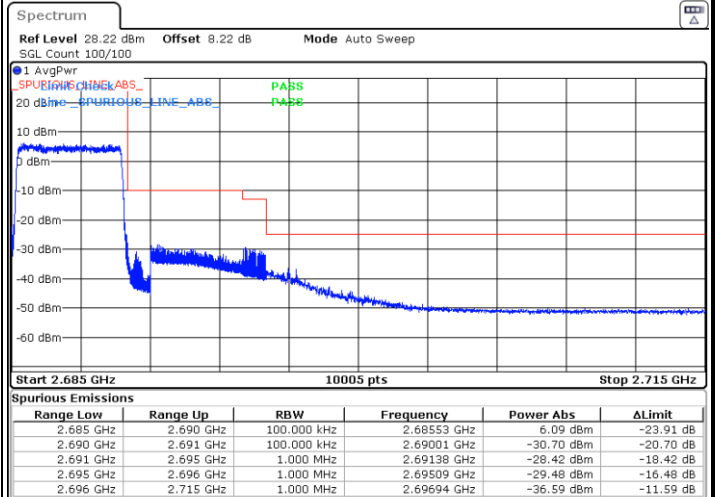
Date: 19.MAR.2025 15:07:43

Lowest Band Edge / Full RB



Date: 19.MAR.2025 14:56:45

Highest Band Edge / Full RB

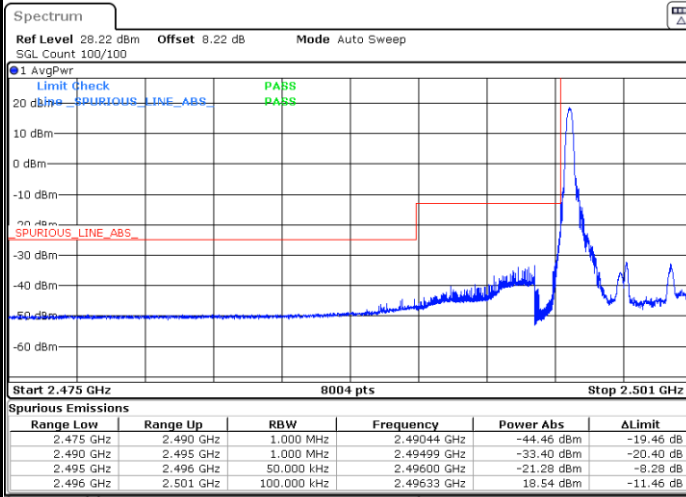


Date: 19.MAR.2025 15:12:41



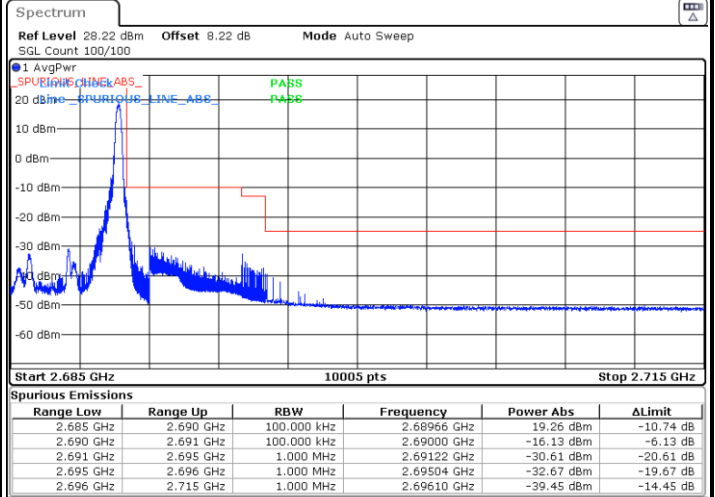
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



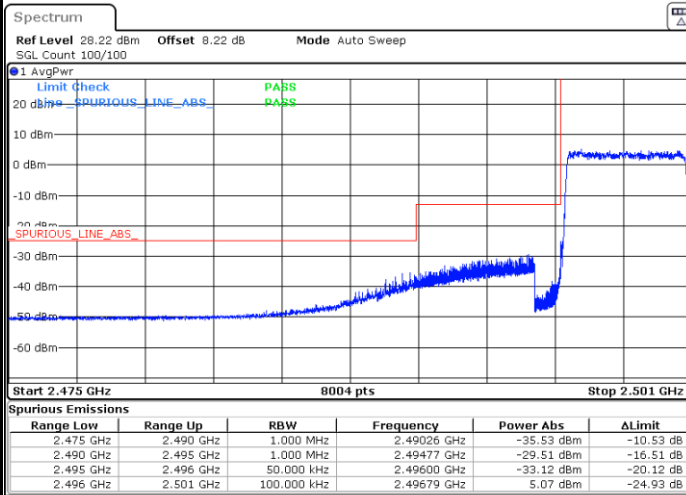
Date: 19.MAR.2025 14:52:35

Highest Band Edge / 1 RB



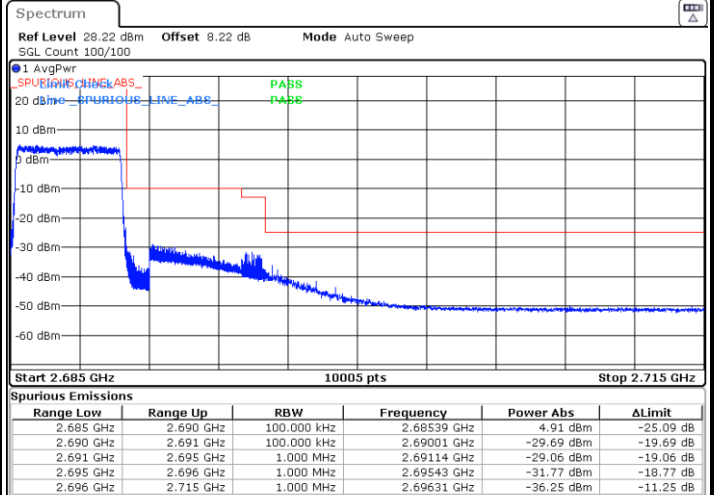
Date: 19.MAR.2025 15:08:33

Lowest Band Edge / Full RB



Date: 19.MAR.2025 14:55:55

Highest Band Edge / Full RB

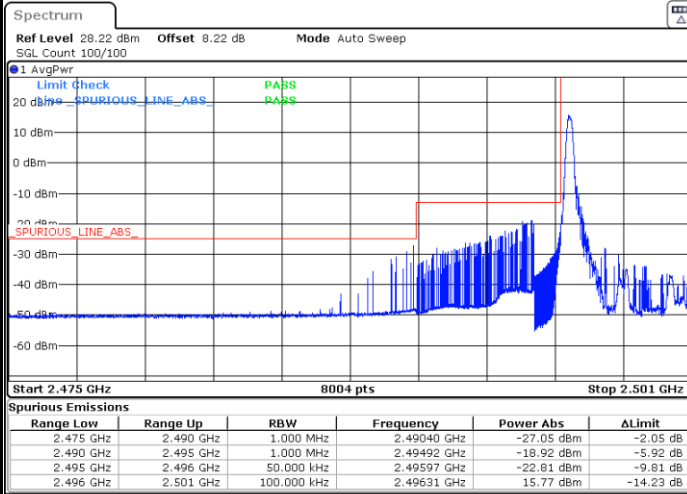


Date: 19.MAR.2025 15:11:52



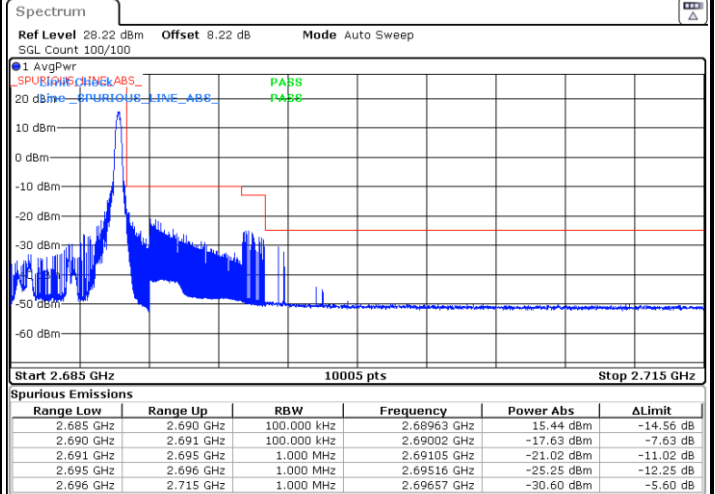
LTE Band 41 / 5MHz / 256QAM

Lowest Band Edge / 1RB



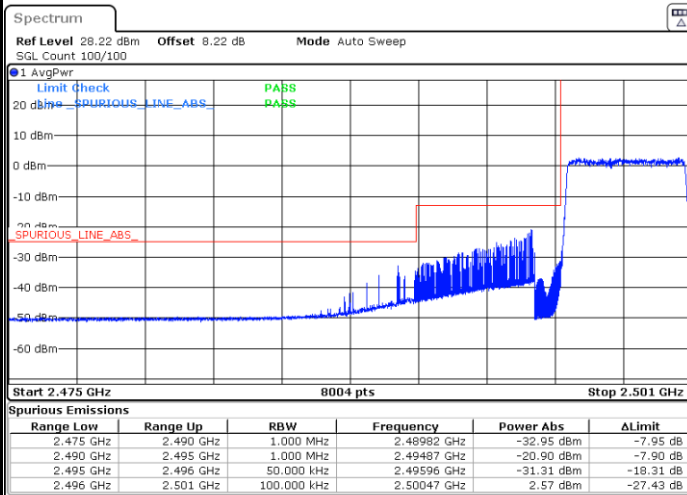
Date: 19.MAR.2025 14:53:25

Highest Band Edge / 1 RB



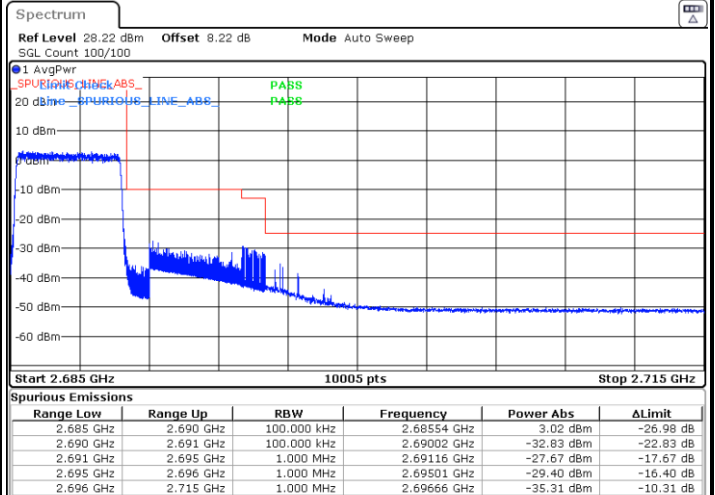
Date: 19.MAR.2025 15:09:22

Lowest Band Edge / Full RB



Date: 19.MAR.2025 14:55:05

Highest Band Edge / Full RB

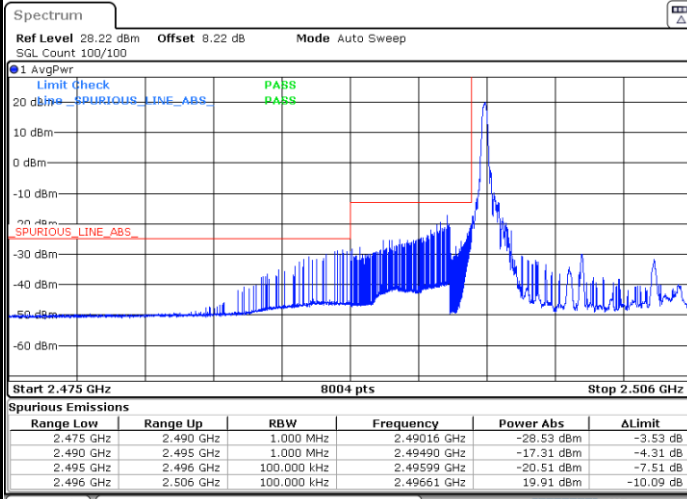


Date: 19.MAR.2025 15:11:02



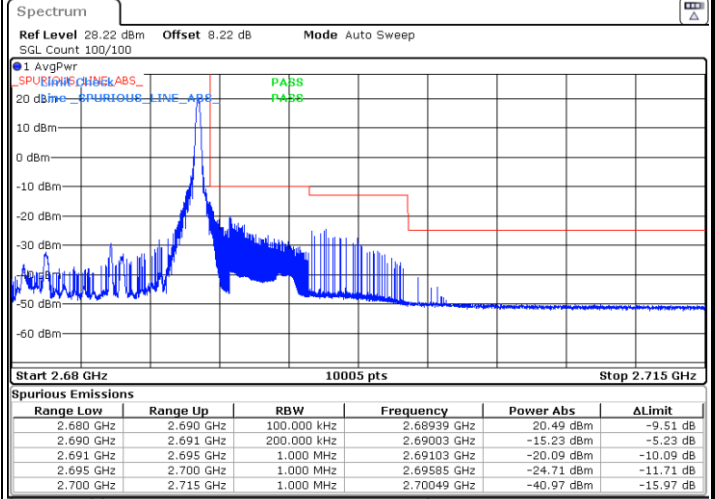
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



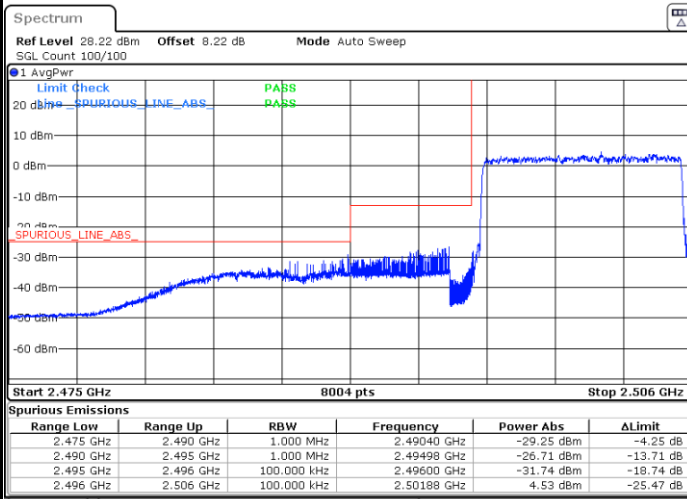
Date: 19.MAR.2025 15:14:59

Highest Band Edge / 1 RB



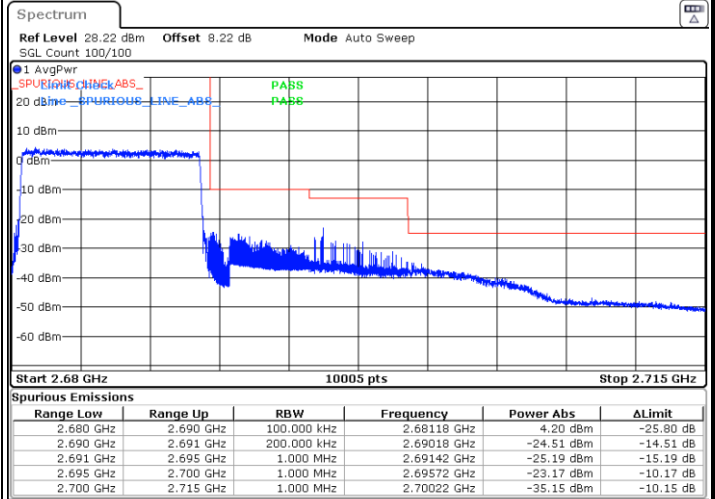
Date: 19.MAR.2025 15:29:36

Lowest Band Edge / Full RB



Date: 19.MAR.2025 15:18:22

Highest Band Edge / Full RB

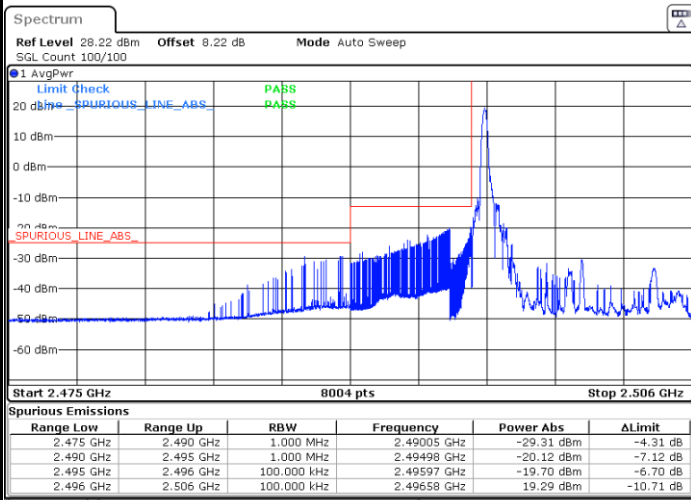


Date: 19.MAR.2025 15:32:57



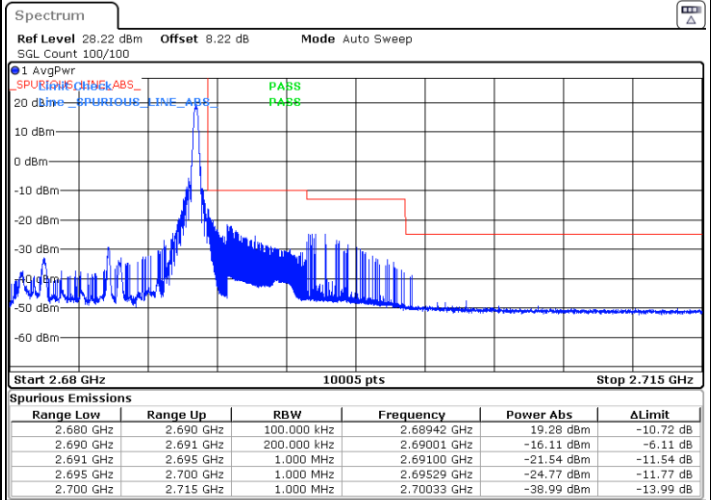
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



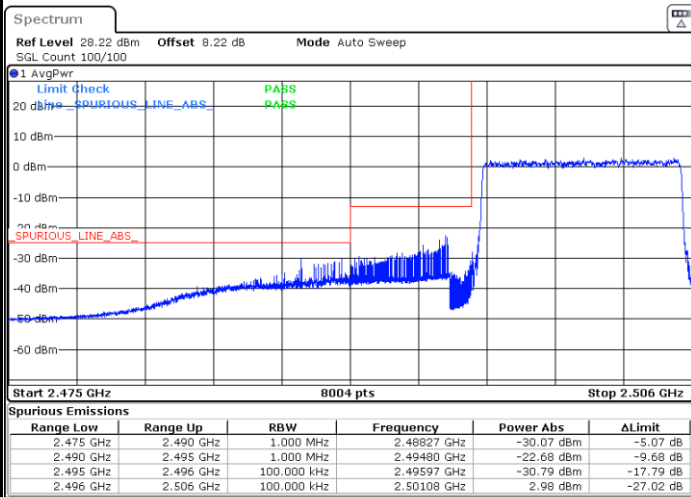
Date: 19.MAR.2025 15:15:52

Highest Band Edge / 1 RB



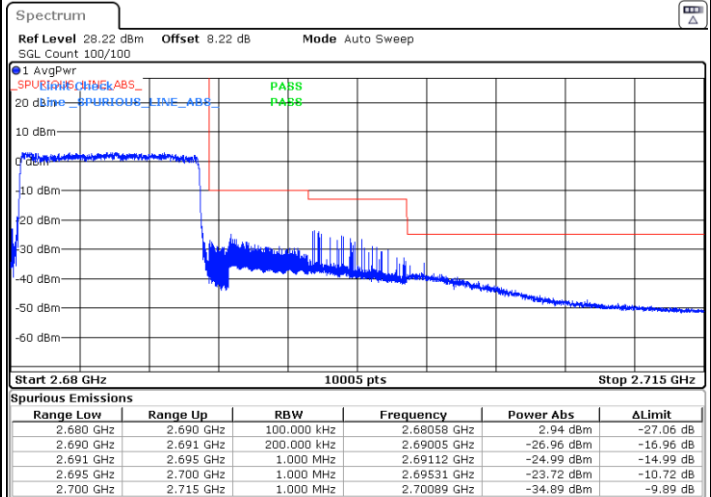
Date: 19.MAR.2025 15:30:28

Lowest Band Edge / Full RB



Date: 19.MAR.2025 15:19:12

Highest Band Edge / Full RB

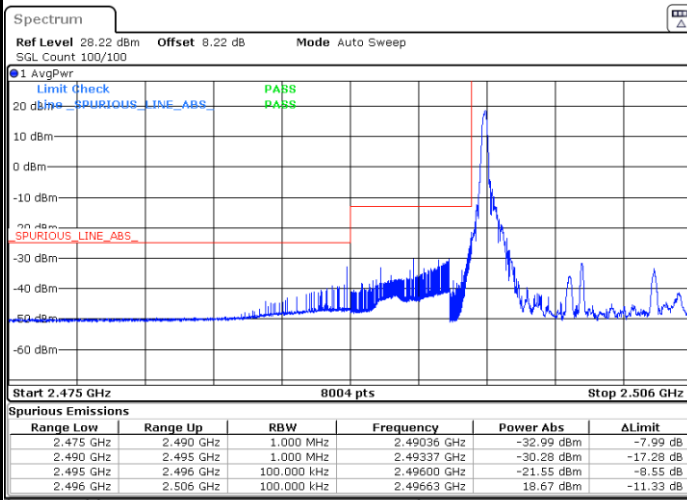


Date: 19.MAR.2025 15:33:47



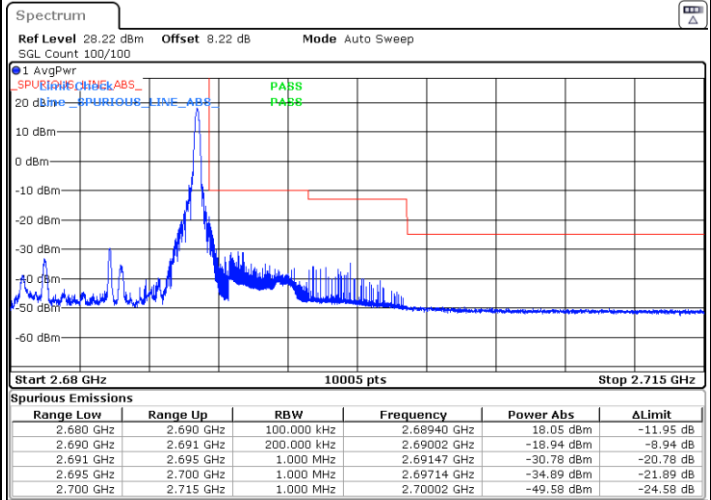
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



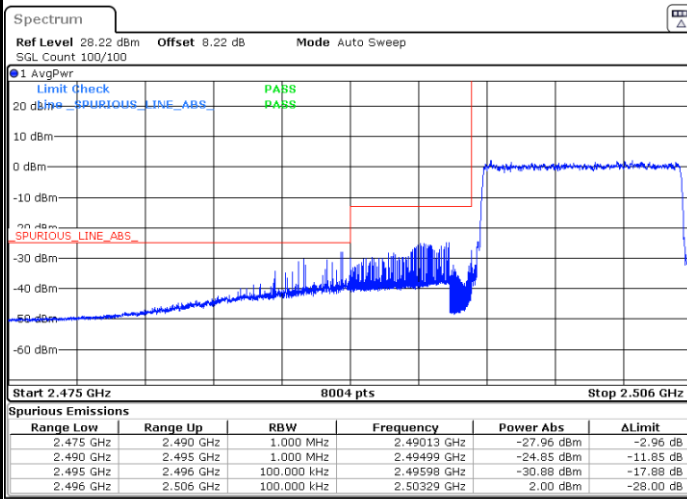
Date: 19.MAR.2025 15:16:42

Highest Band Edge / 1 RB



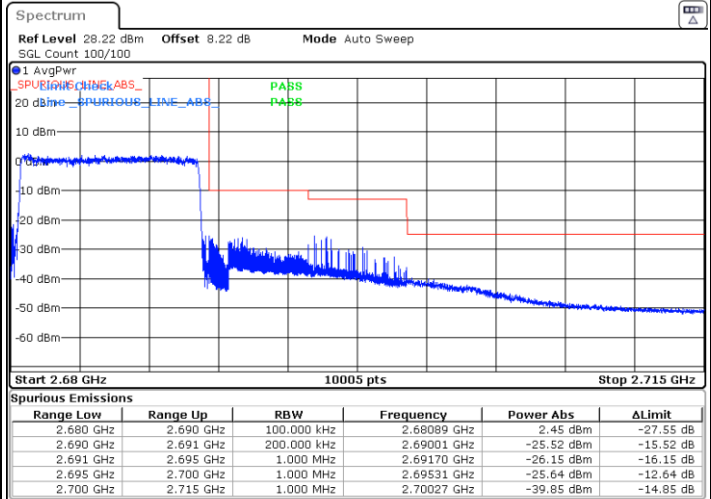
Date: 19.MAR.2025 15:31:18

Lowest Band Edge / Full RB



Date: 19.MAR.2025 15:20:02

Highest Band Edge / Full RB



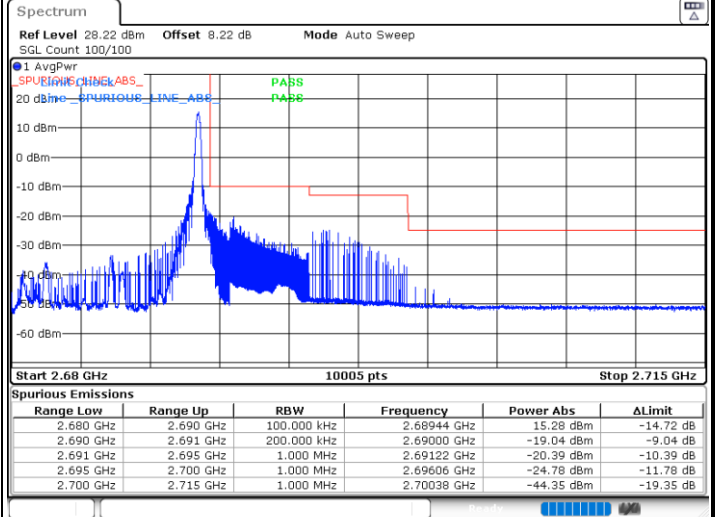
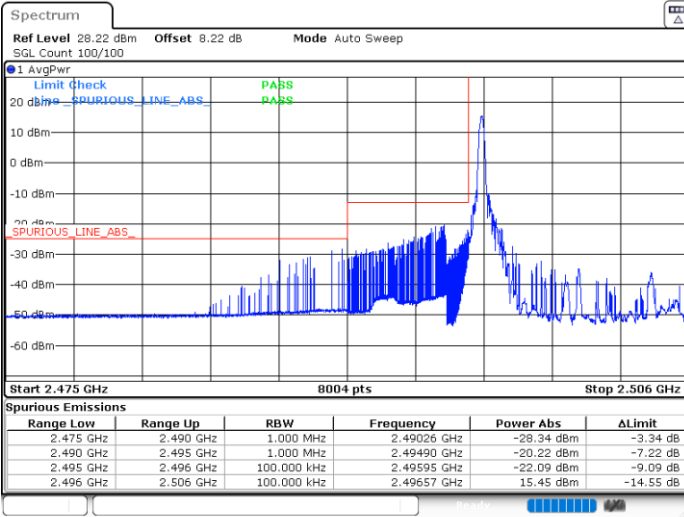
Date: 19.MAR.2025 15:34:37



LTE Band 41 / 10MHz / 256QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

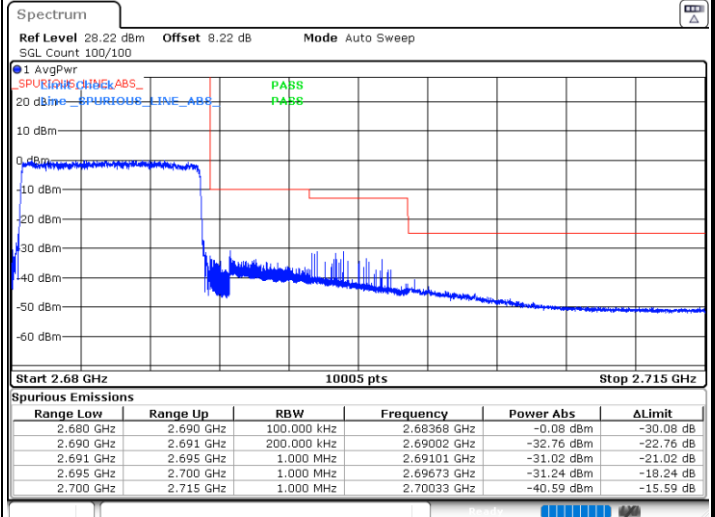
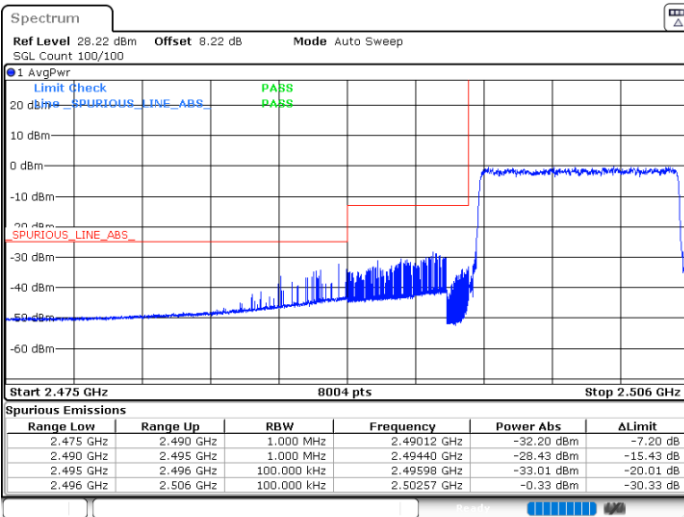


Date: 19.MAR.2025 15:17:32

Date: 19.MAR.2025 15:32:07

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



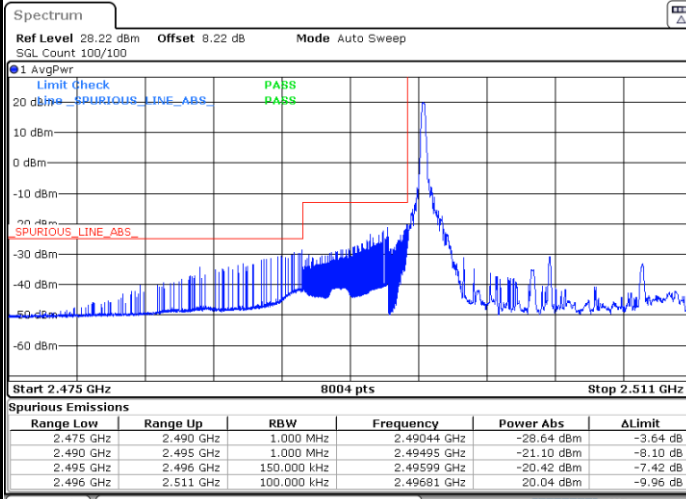
Date: 19.MAR.2025 15:20:51

Date: 19.MAR.2025 15:35:27



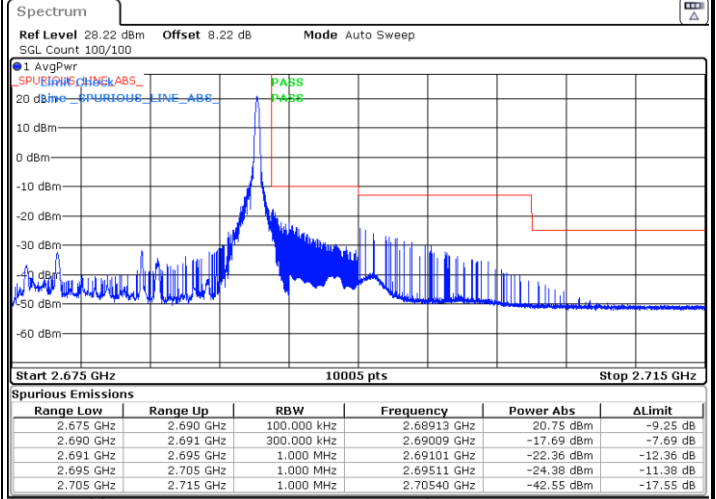
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



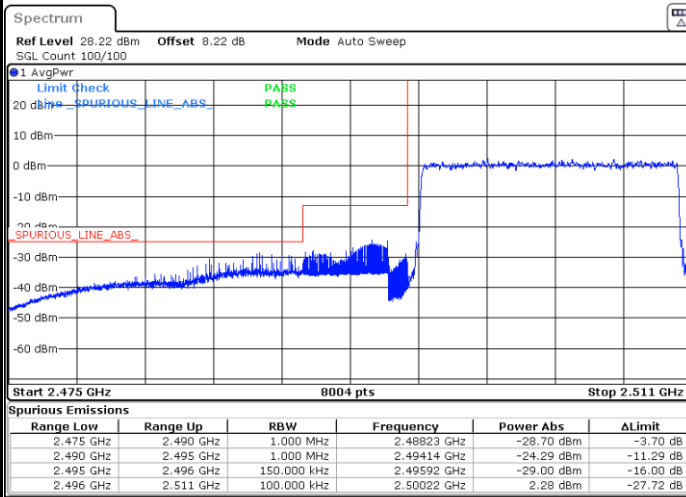
Date: 19.MAR.2025 15:39:23

Highest Band Edge / 1 RB



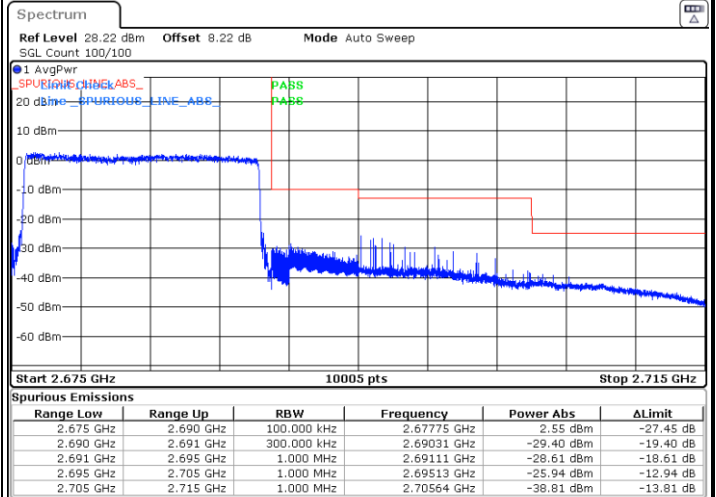
Date: 19.MAR.2025 15:59:45

Lowest Band Edge / Full RB



Date: 19.MAR.2025 15:42:46

Highest Band Edge / Full RB

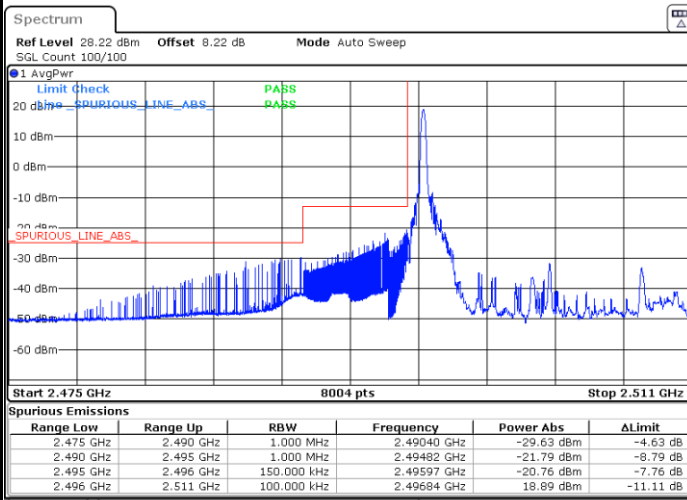


Date: 19.MAR.2025 16:03:08



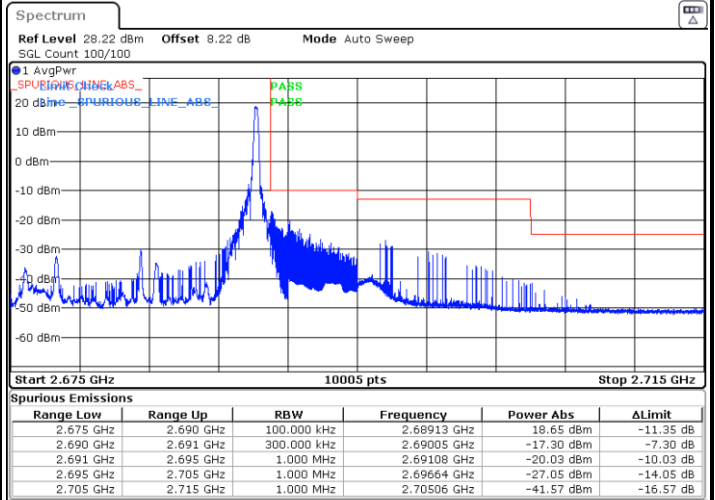
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



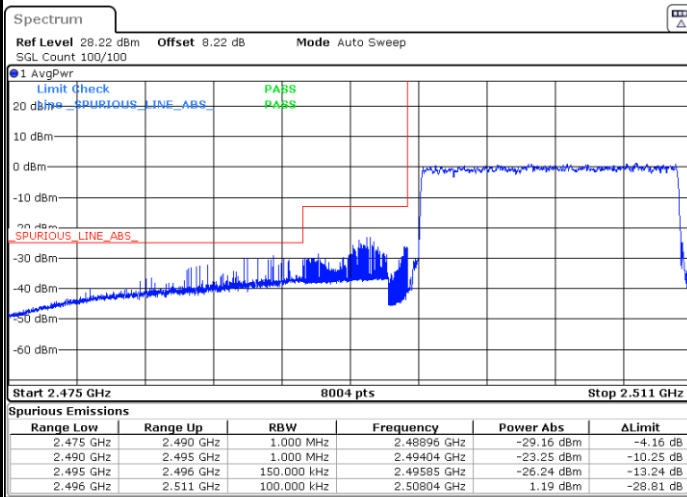
Date: 19.MAR.2025 15:40:16

Highest Band Edge / 1 RB



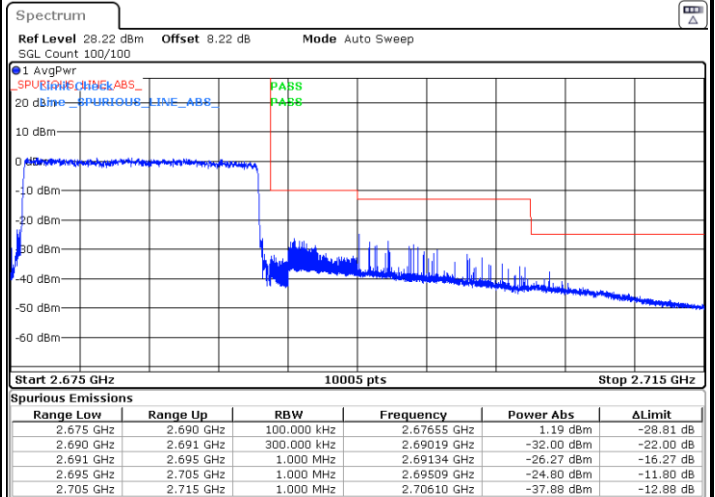
Date: 19.MAR.2025 16:00:38

Lowest Band Edge / Full RB



Date: 19.MAR.2025 15:43:36

Highest Band Edge / Full RB

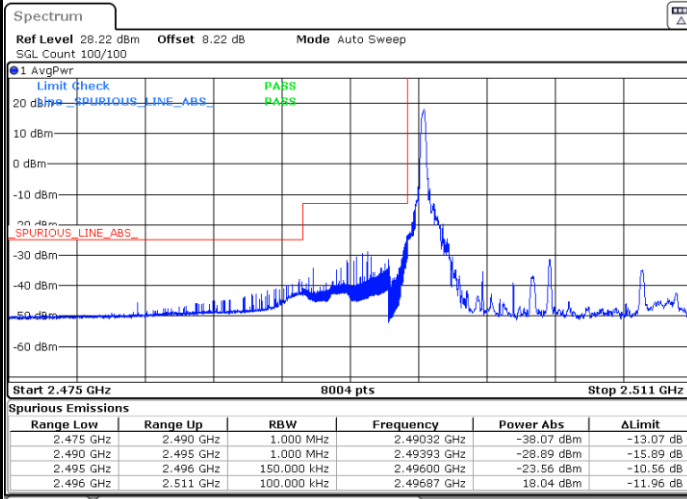


Date: 19.MAR.2025 16:03:57



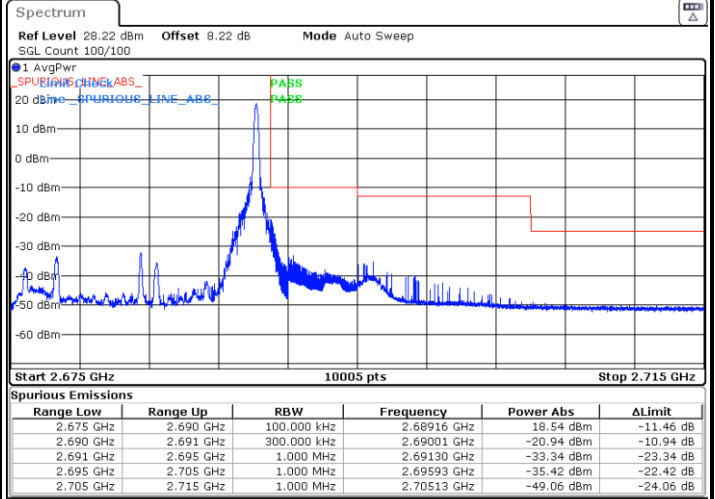
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



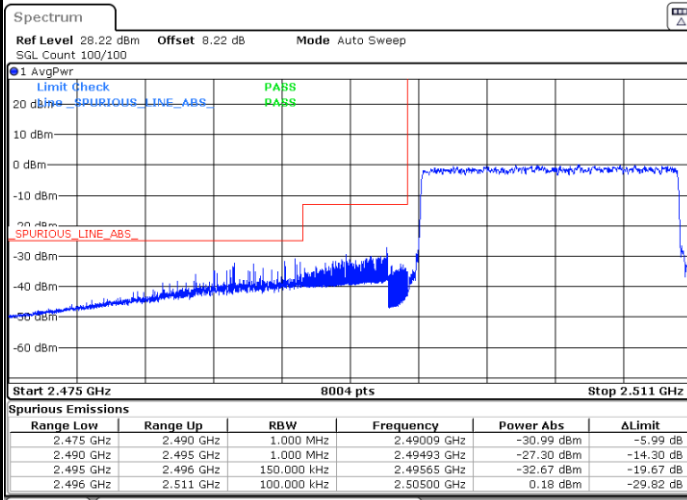
Date: 19.MAR.2025 15:41:06

Highest Band Edge / 1 RB



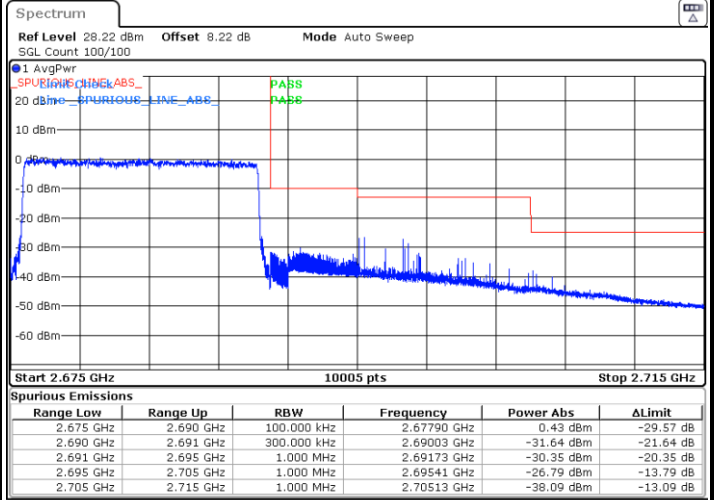
Date: 19.MAR.2025 16:01:28

Lowest Band Edge / Full RB



Date: 19.MAR.2025 15:44:26

Highest Band Edge / Full RB

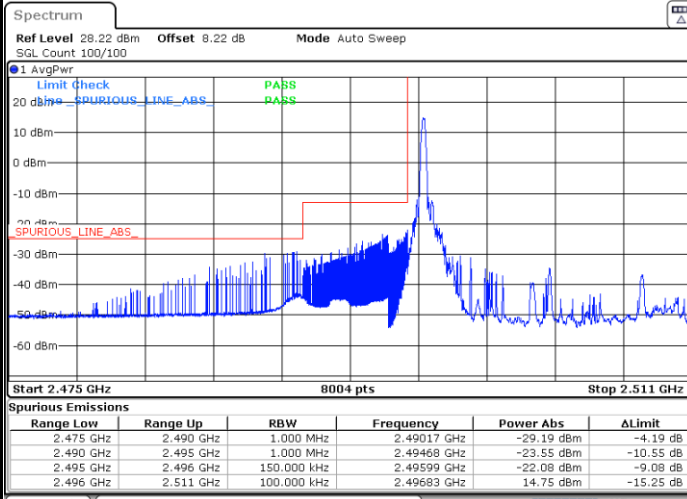


Date: 19.MAR.2025 16:04:47



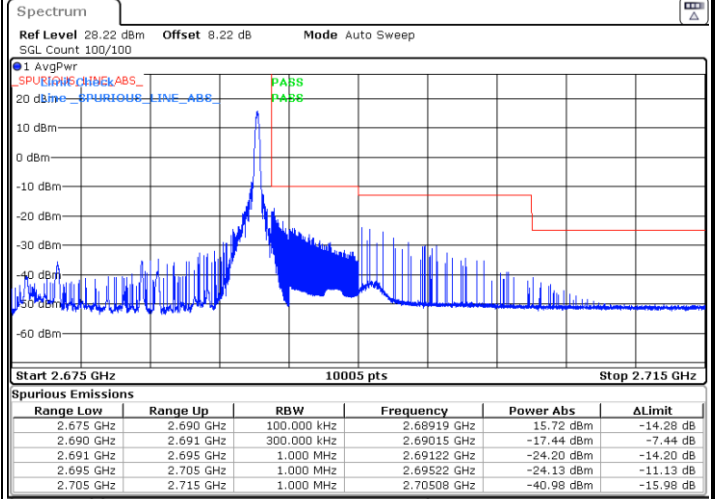
LTE Band 41 / 15MHz / 256QAM

Lowest Band Edge / 1RB



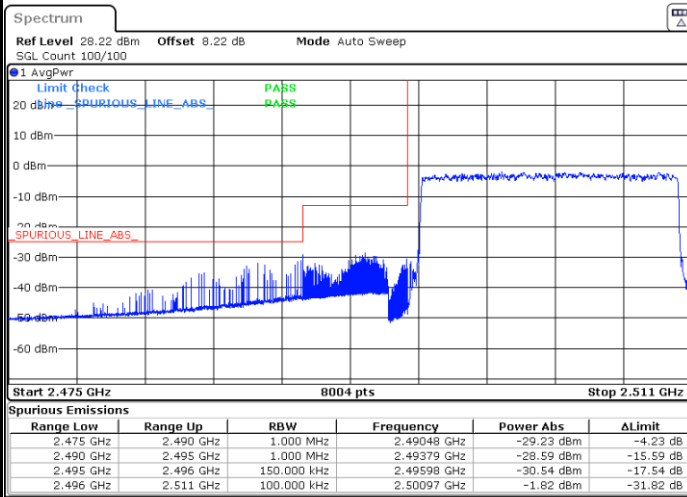
Date: 19.MAR.2025 15:41:56

Highest Band Edge / 1 RB



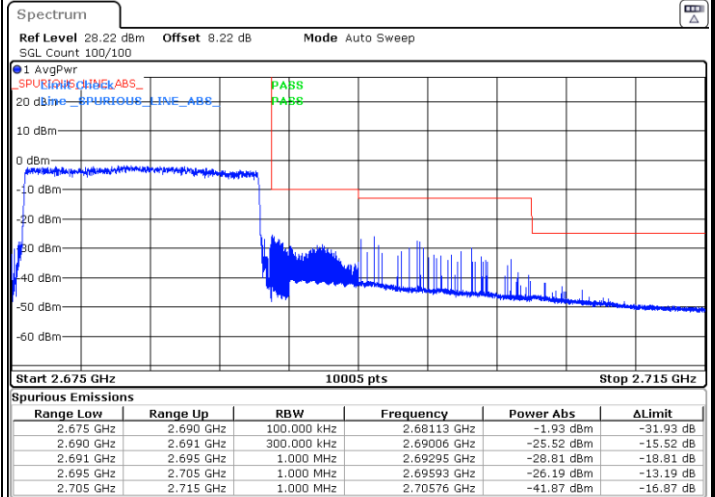
Date: 19.MAR.2025 16:02:18

Lowest Band Edge / Full RB



Date: 19.MAR.2025 15:45:16

Highest Band Edge / Full RB

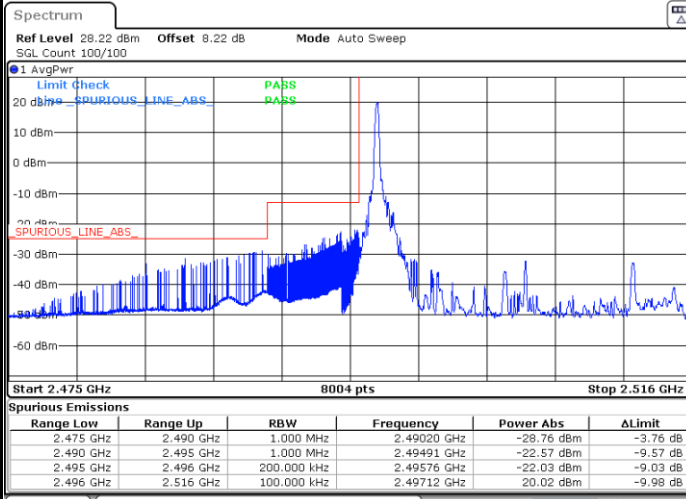


Date: 19.MAR.2025 16:05:37



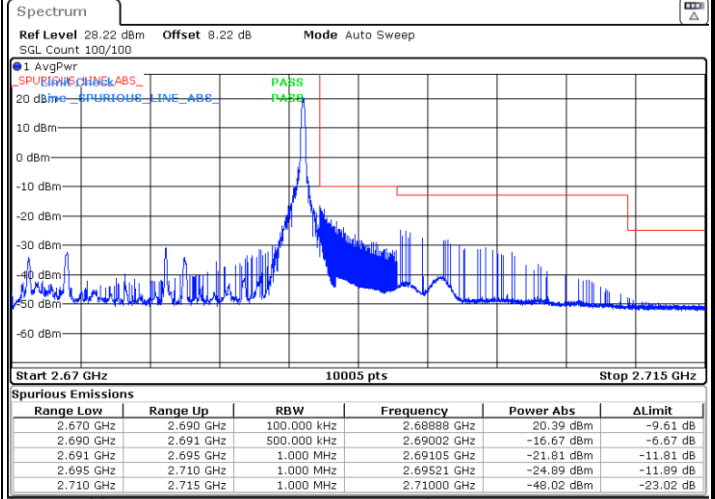
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



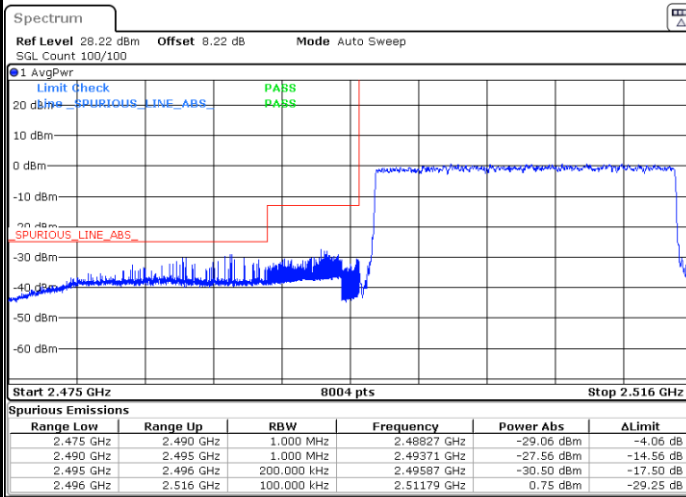
Date: 19.MAR.2025 16:08:58

Highest Band Edge / 1 RB



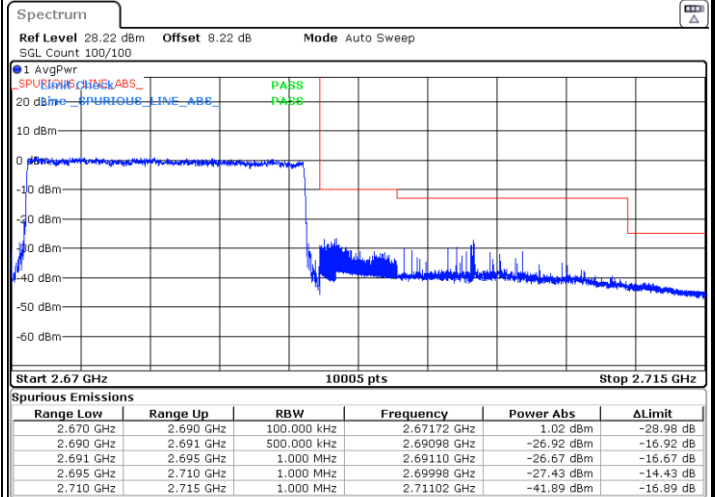
Date: 19.MAR.2025 16:23:59

Lowest Band Edge / Full RB



Date: 19.MAR.2025 16:12:21

Highest Band Edge / Full RB

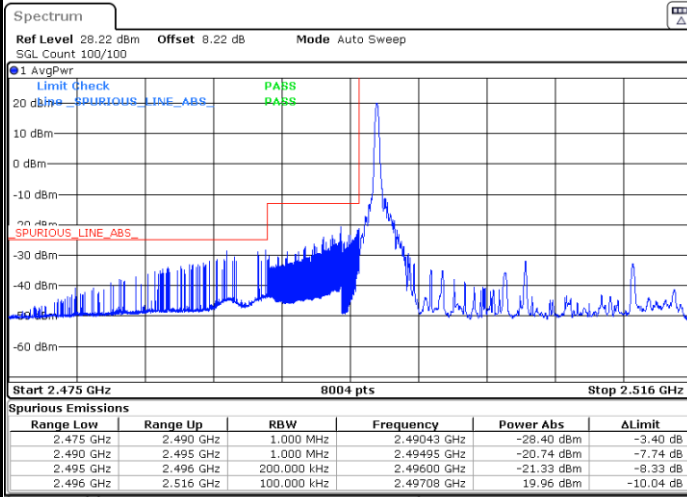


Date: 19.MAR.2025 16:27:21



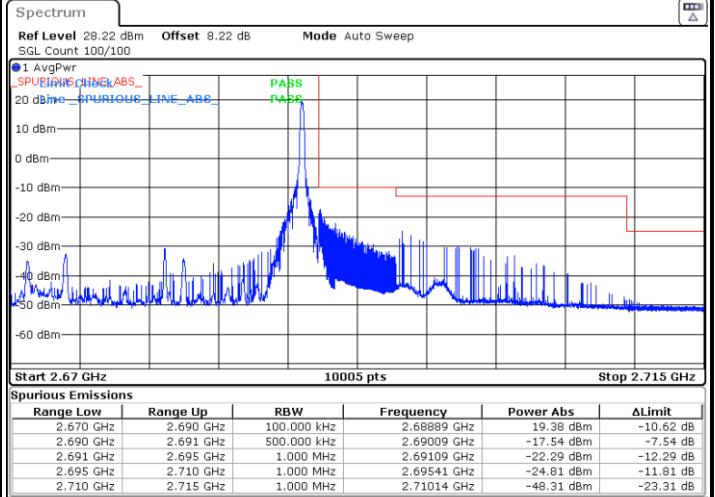
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



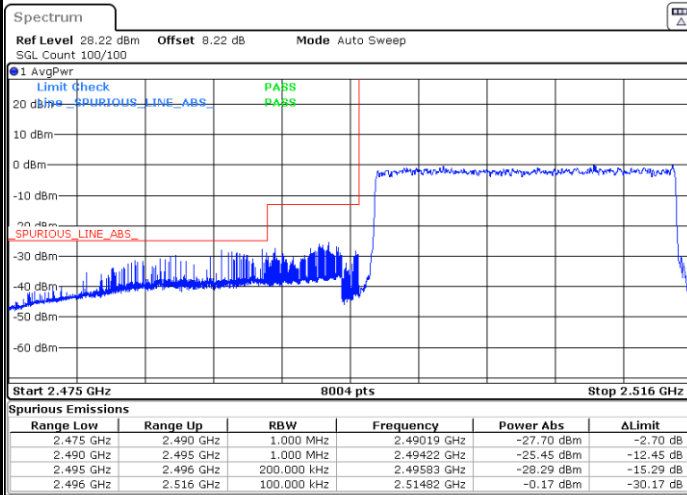
Date: 19.MAR.2025 16:09:51

Highest Band Edge / 1 RB



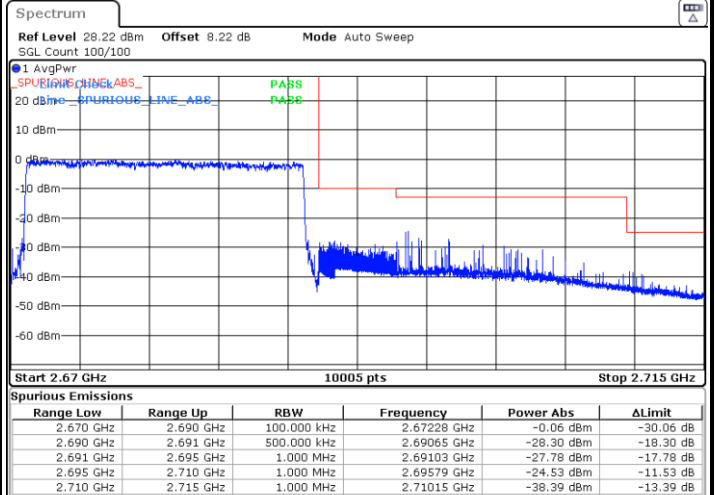
Date: 19.MAR.2025 16:24:51

Lowest Band Edge / Full RB



Date: 19.MAR.2025 16:13:11

Highest Band Edge / Full RB

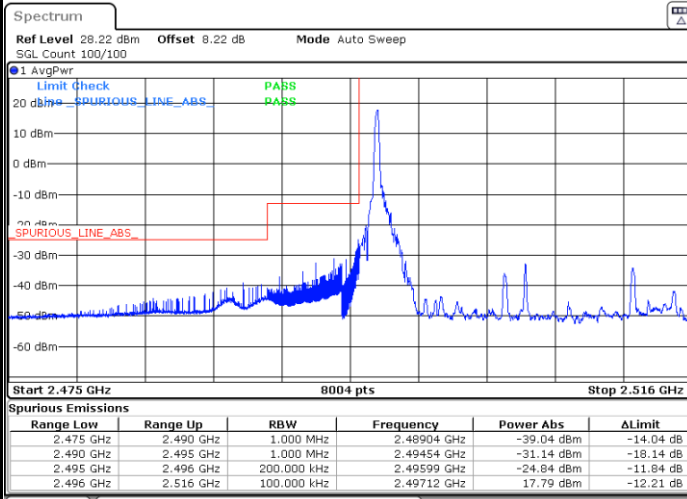


Date: 19.MAR.2025 16:28:11



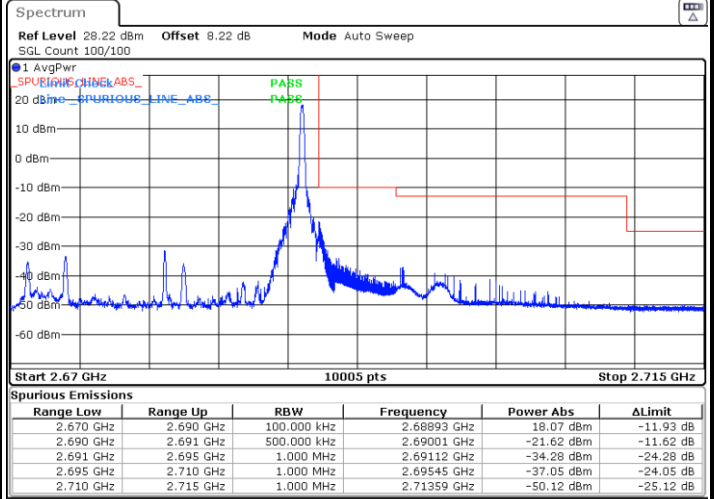
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



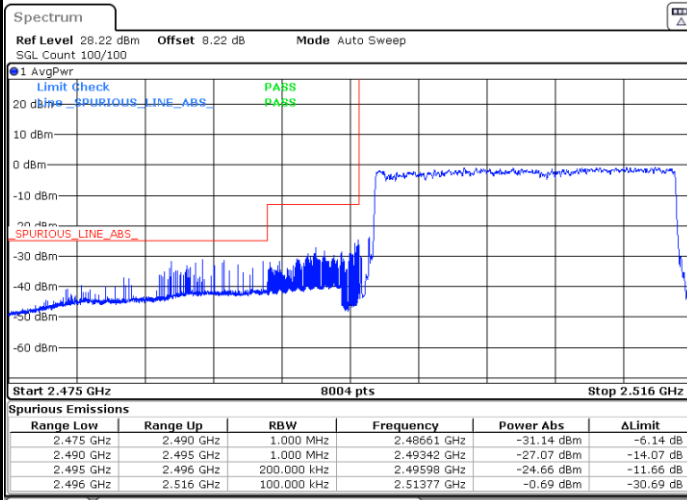
Date: 19.MAR.2025 16:10:41

Highest Band Edge / 1 RB



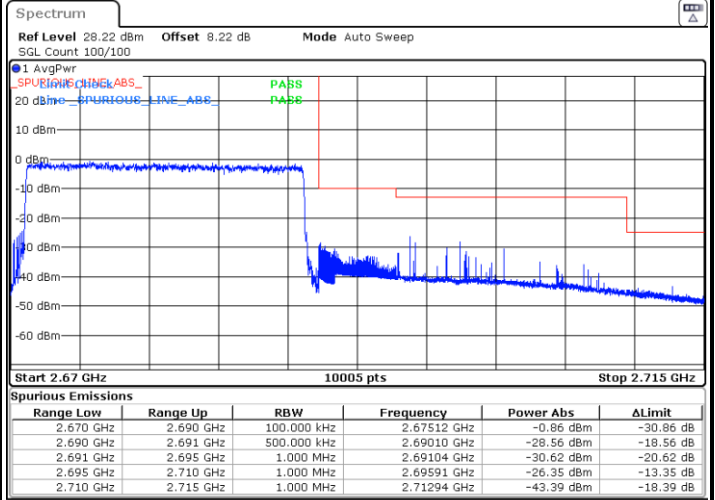
Date: 19.MAR.2025 16:25:41

Lowest Band Edge / Full RB



Date: 19.MAR.2025 16:14:01

Highest Band Edge / Full RB

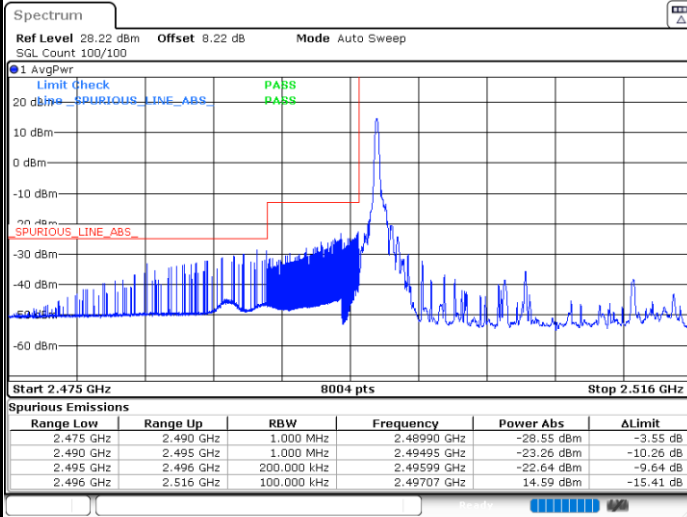


Date: 19.MAR.2025 16:29:01



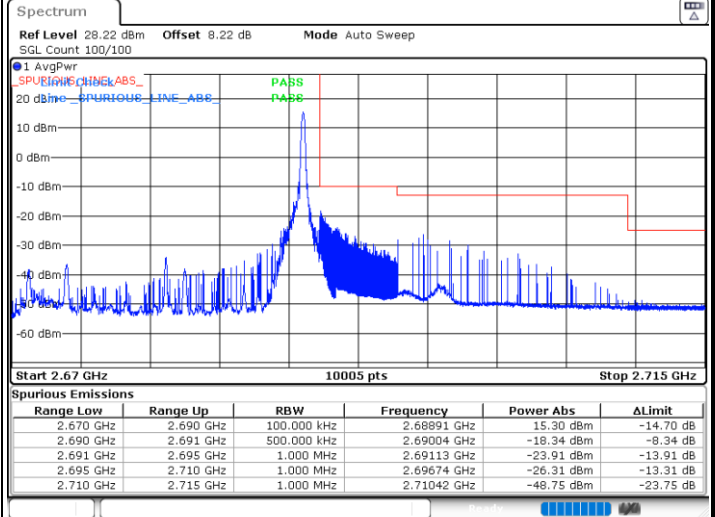
LTE Band 41 / 20MHz / 256QAM

Lowest Band Edge / 1RB



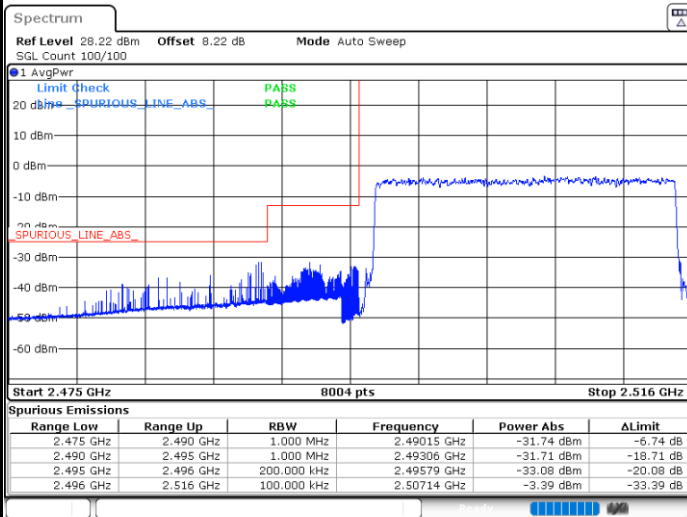
Date: 19.MAR.2025 16:11:31

Highest Band Edge / 1 RB



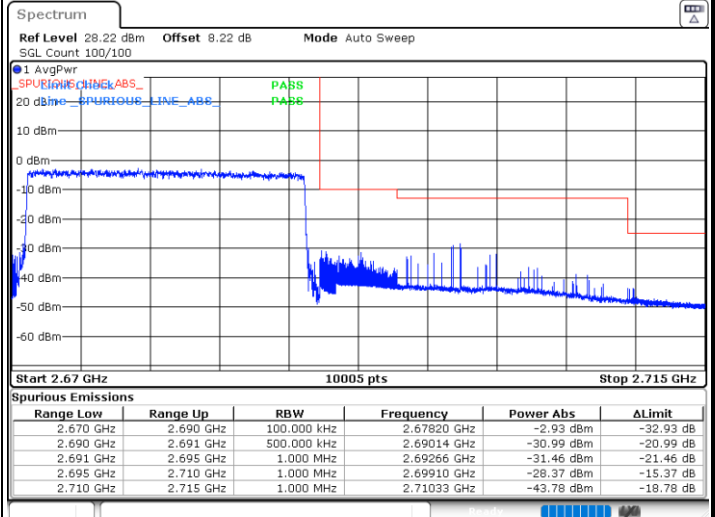
Date: 19.MAR.2025 16:26:31

Lowest Band Edge / Full RB



Date: 19.MAR.2025 16:14:51

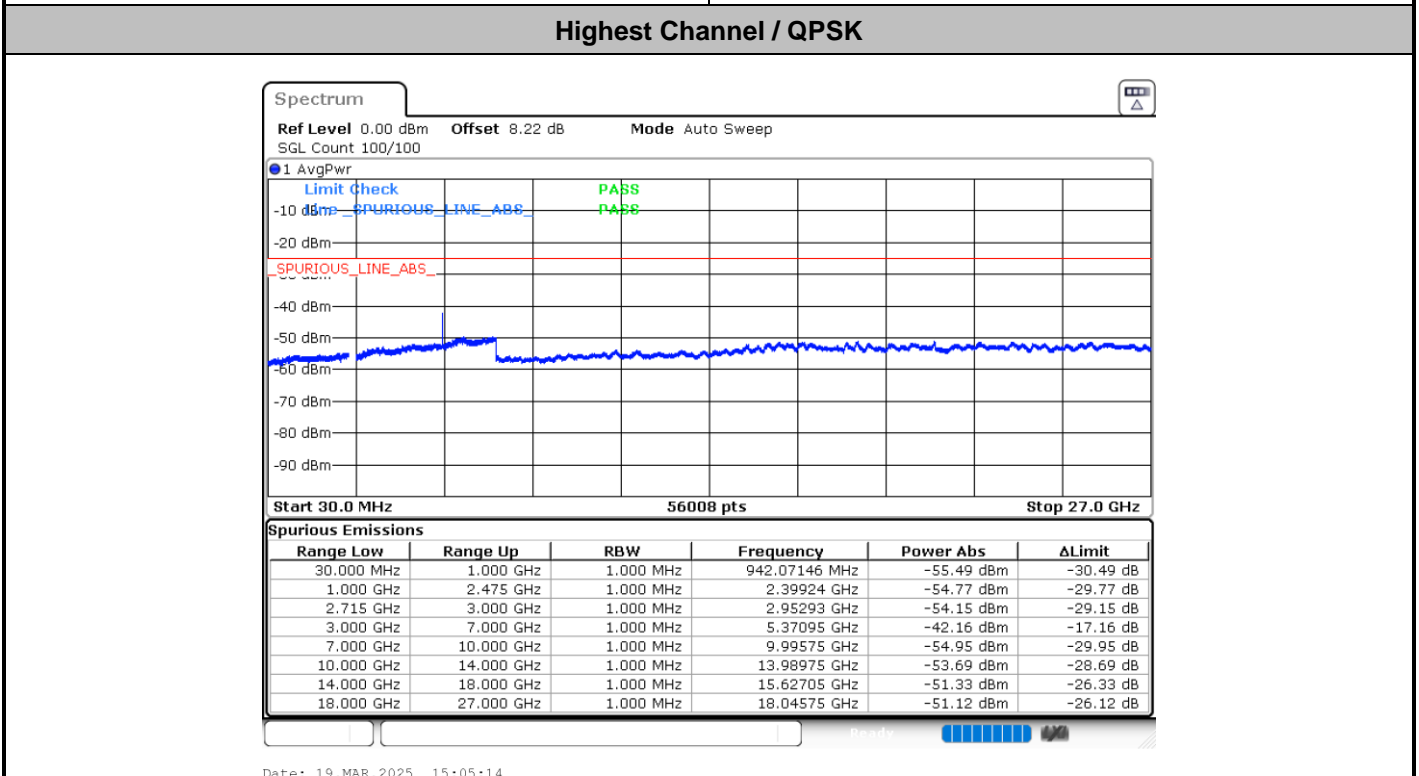
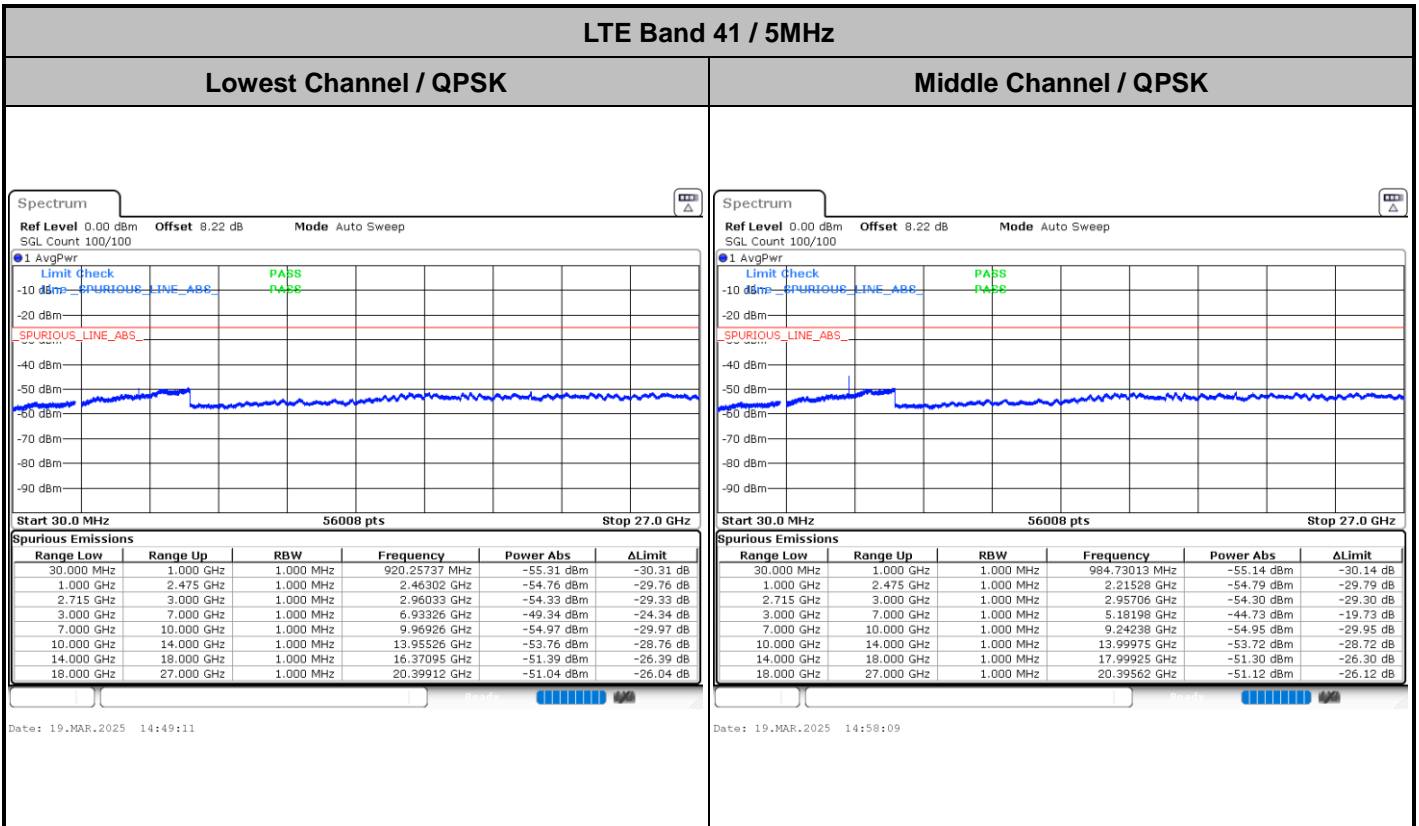
Highest Band Edge / Full RB



Date: 19.MAR.2025 16:29:50



# Conducted Spurious Emission

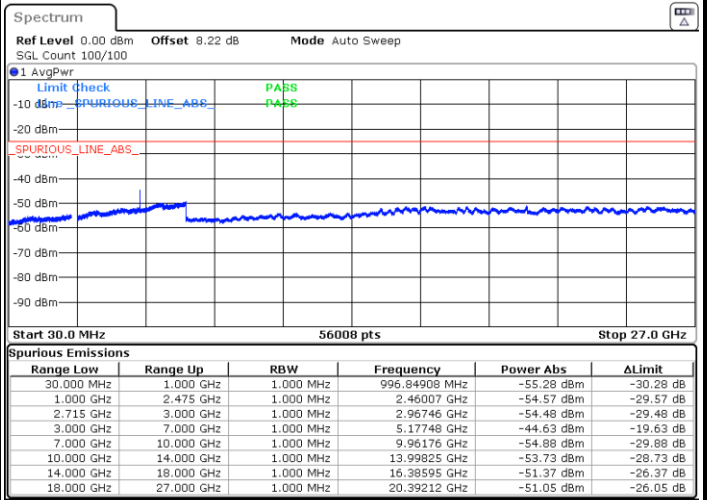
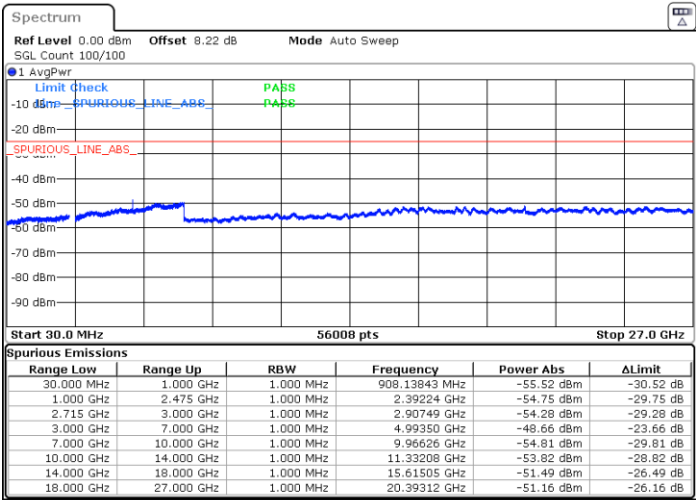




LTE Band 41 / 10MHz

Lowest Channel / QPSK

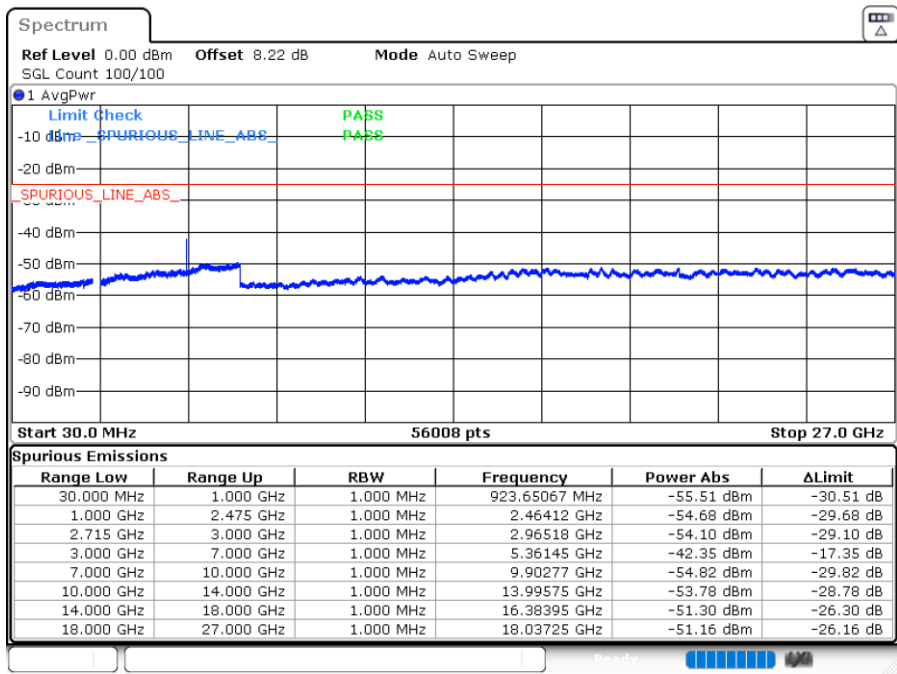
Middle Channel / QPSK



Date: 19.MAR.2025 15:14:06

Date: 19.MAR.2025 15:24:52

Highest Channel / QPSK



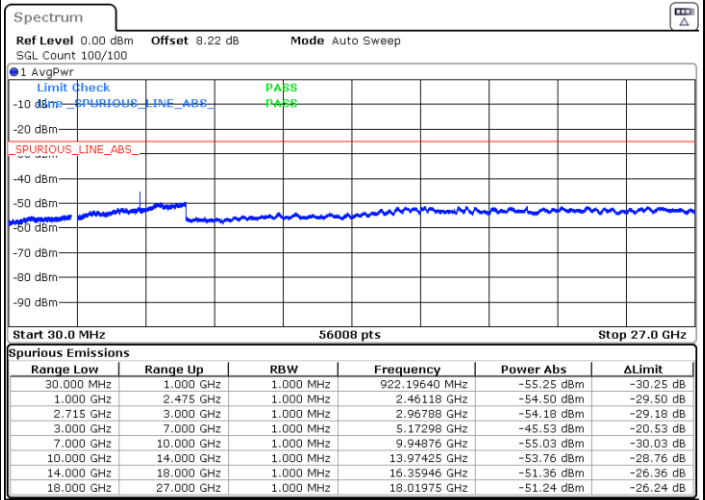
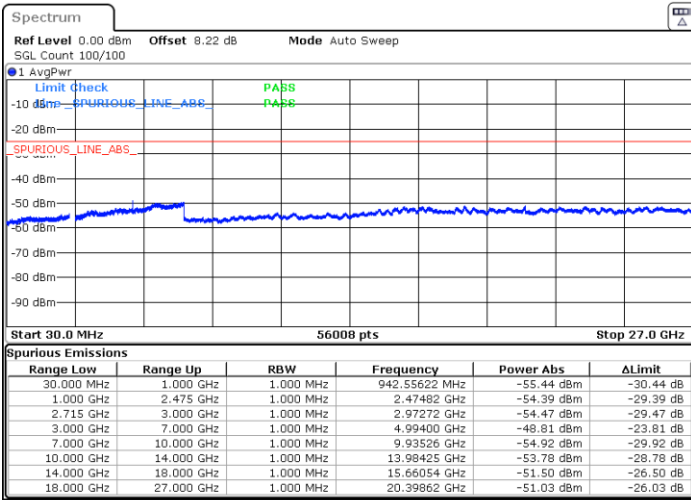
Date: 19.MAR.2025 15:28:43



LTE Band 41 / 15MHz

Lowest Channel / QPSK

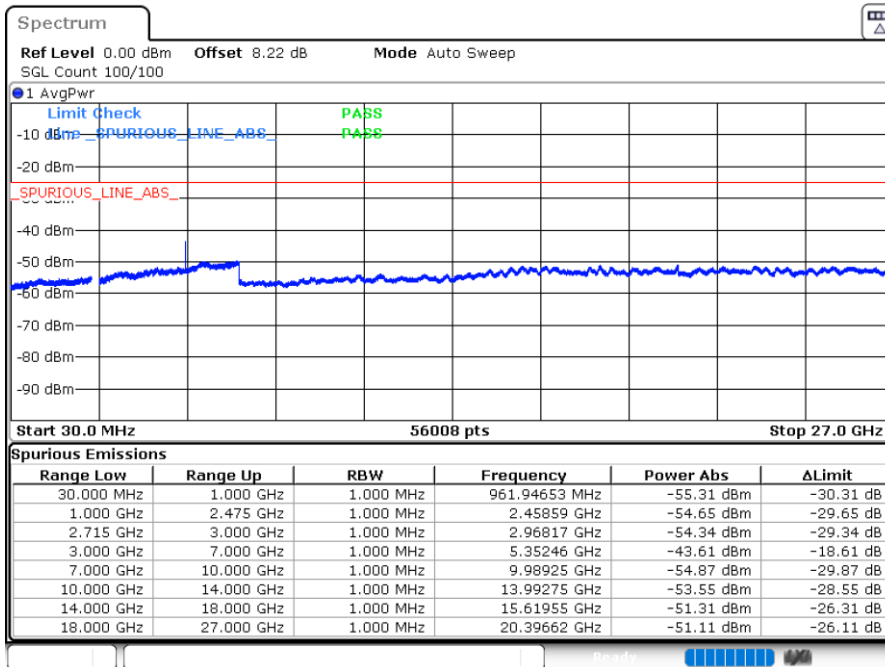
Middle Channel / QPSK



Date: 19.MAR.2025 15:38:30

Date: 19.MAR.2025 15:50:01

Highest Channel / QPSK



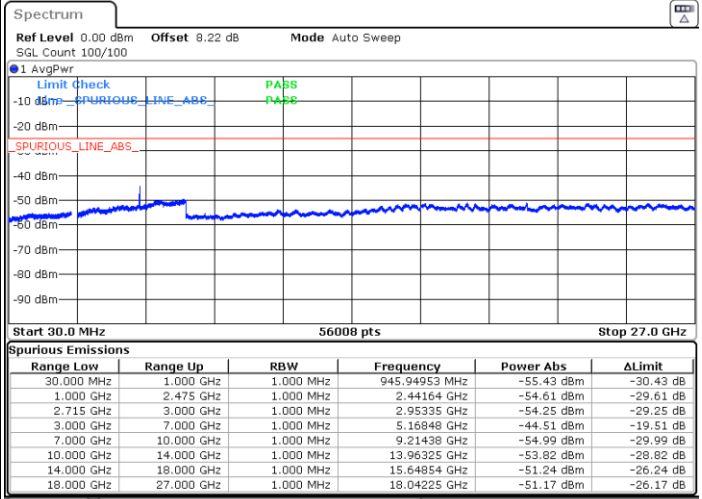
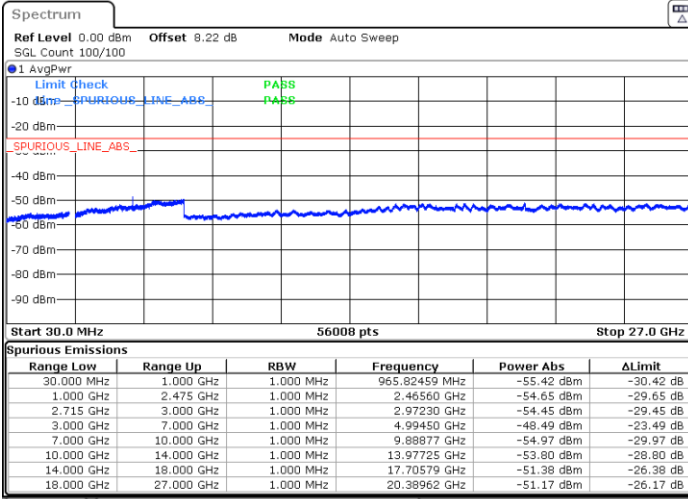
Date: 19.MAR.2025 15:50:52



LTE Band 41 / 20MHz

Lowest Channel / QPSK

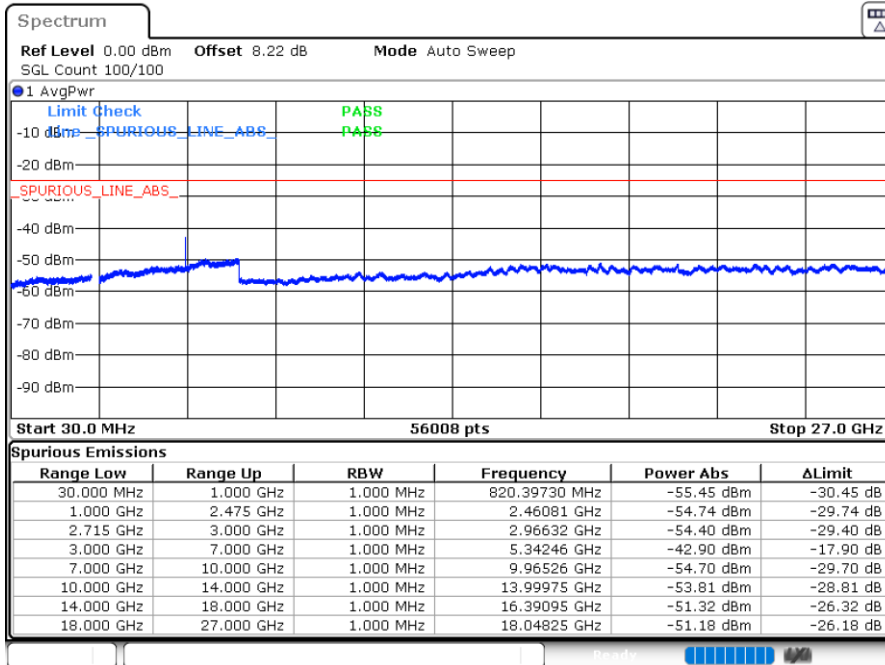
Middle Channel / QPSK



Date: 19.MAR.2025 16:08:05

Date: 19.MAR.2025 16:19:27

Highest Channel / QPSK



Date: 19.MAR.2025 16:23:06



Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0022	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0027	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0048	
0	Normal Voltage	0.0035	
-10	Normal Voltage	0.0041	
-20	Normal Voltage	0.0031	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0033	
20	Battery End Point	0.0018	

Note:

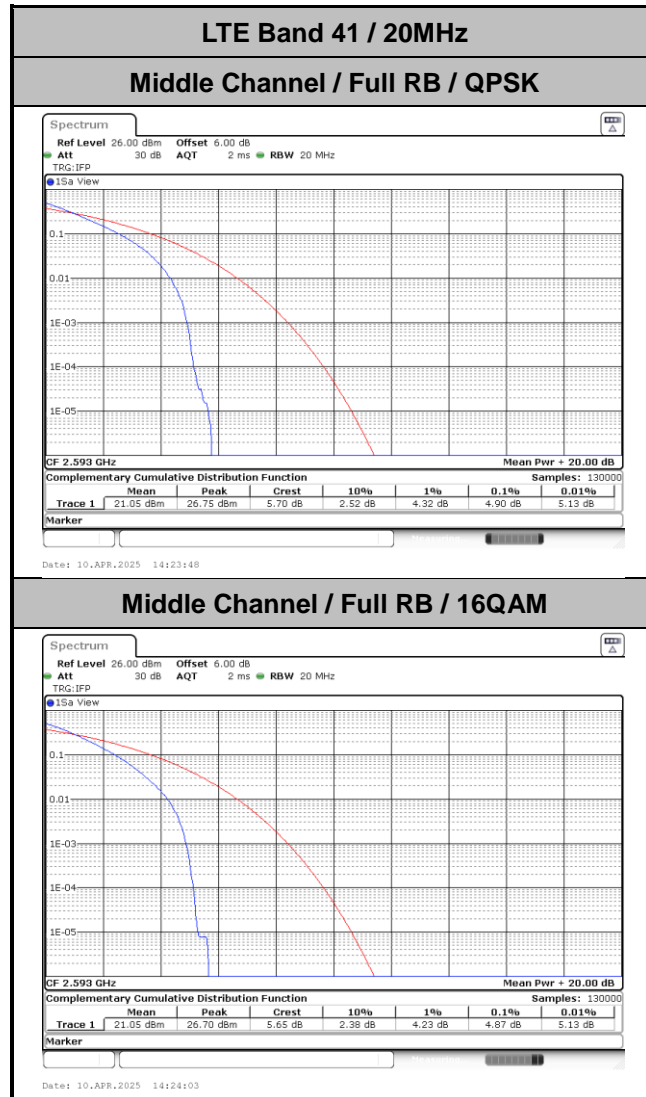
1. Normal Voltage =3.81 V.; Battery End Point (BEP) =3.4 V.; Maximum Voltage =4.5V.
2. The frequency fundamental emissions stay within the authorized frequency block.

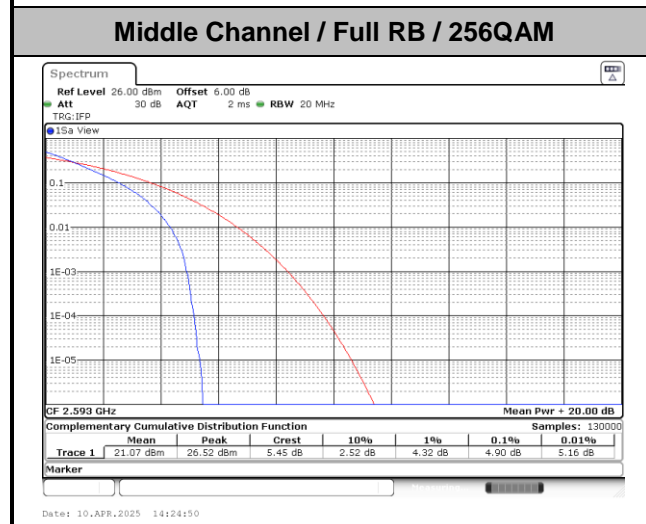
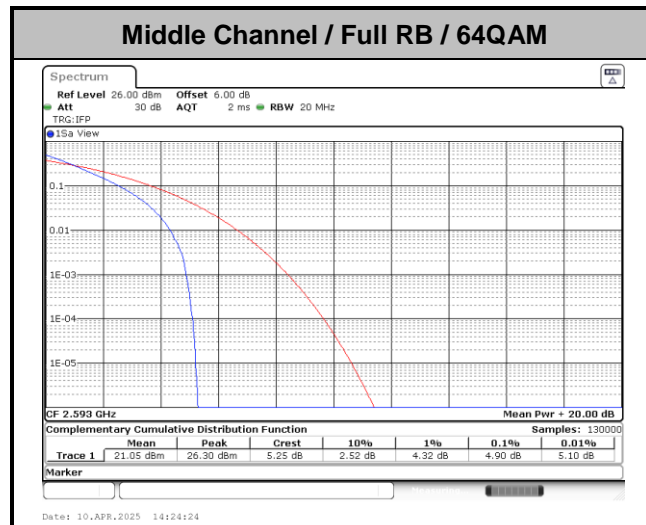


# LTE Band 41(Other PA)

## Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.90	4.87	4.90	4.90	PASS

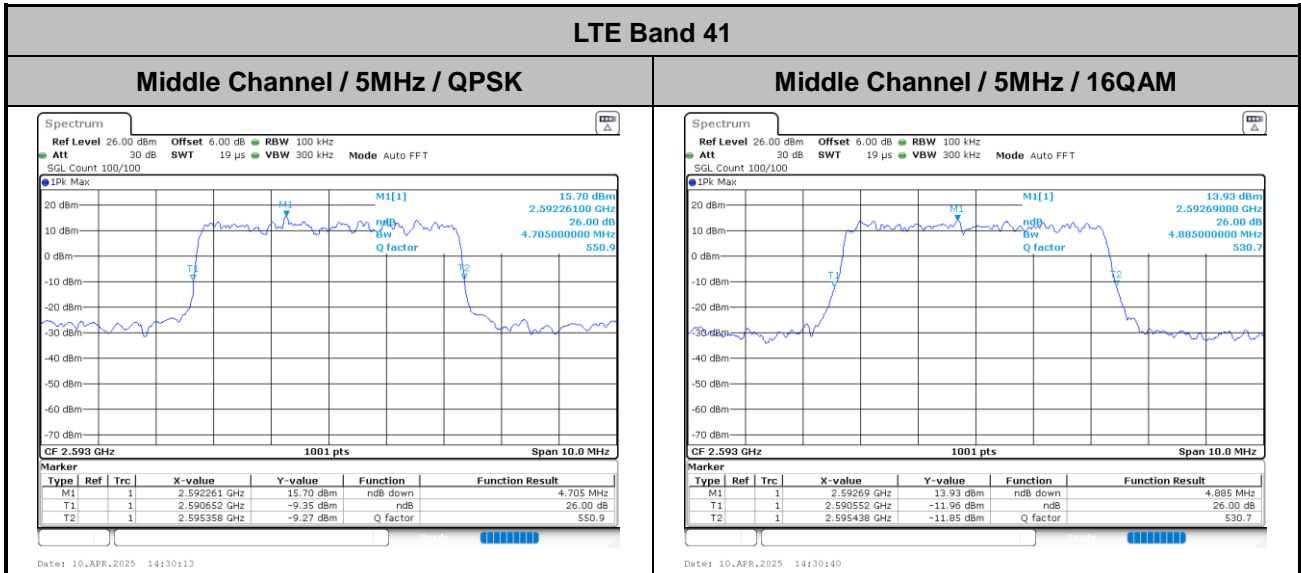






## 26dB Bandwidth

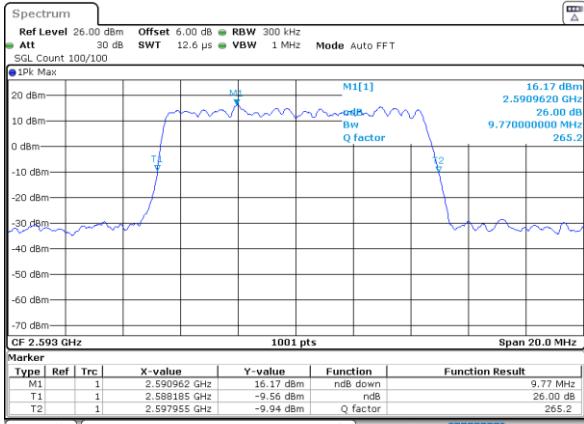
Mode	LTE Band 41 : 26dB BW(MHz)	
<b>BW</b>	<b>5MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	4.71	4.89
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	9.77	9.63
<b>BW</b>	<b>15MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	14.15	14.45
<b>BW</b>	<b>20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	18.70	18.78





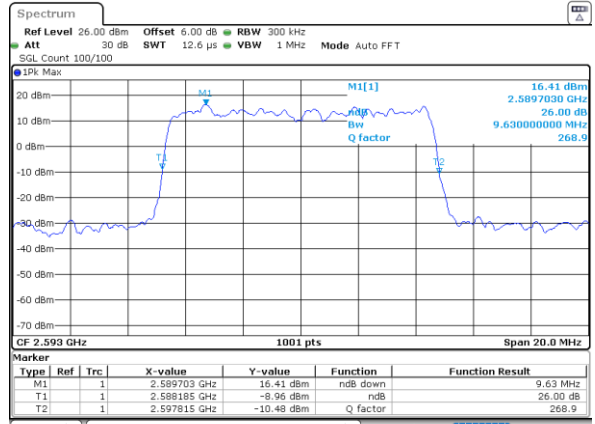
LTE Band 41

Middle Channel / 10MHz / QPSK



Date: 10.APR.2025 14:28:52

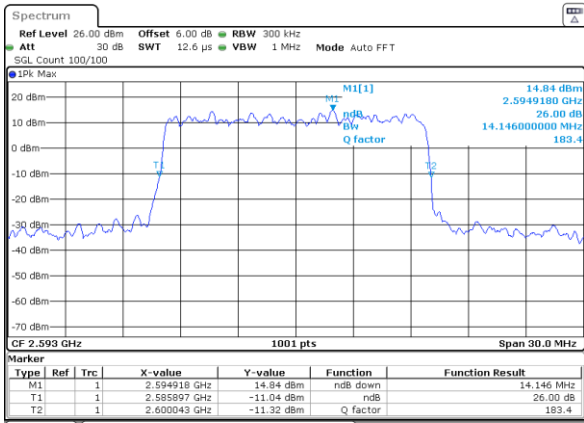
Middle Channel / 10MHz / 16QAM



Date: 10.APR.2025 14:28:28

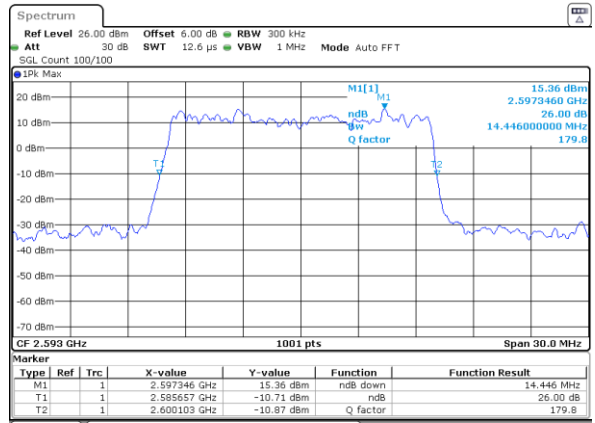
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 10.APR.2025 14:26:12

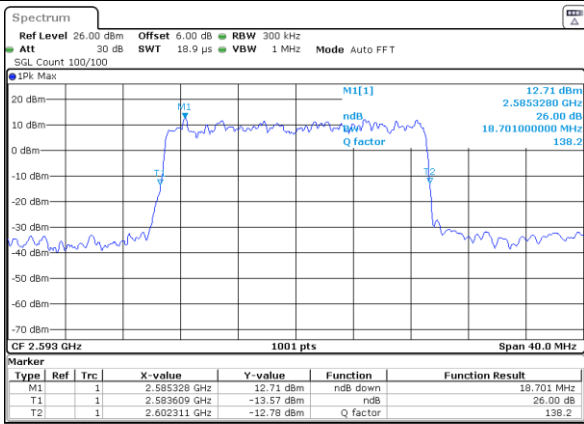
Middle Channel / 15MHz / 16QAM



Date: 10.APR.2025 14:26:48

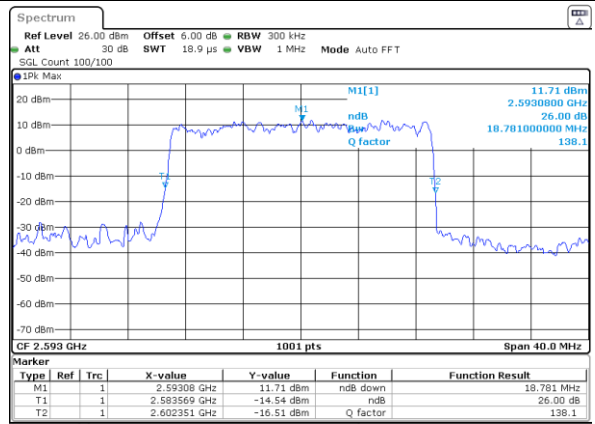
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 10.APR.2025 14:22:34

Middle Channel / 20MHz / 16QAM

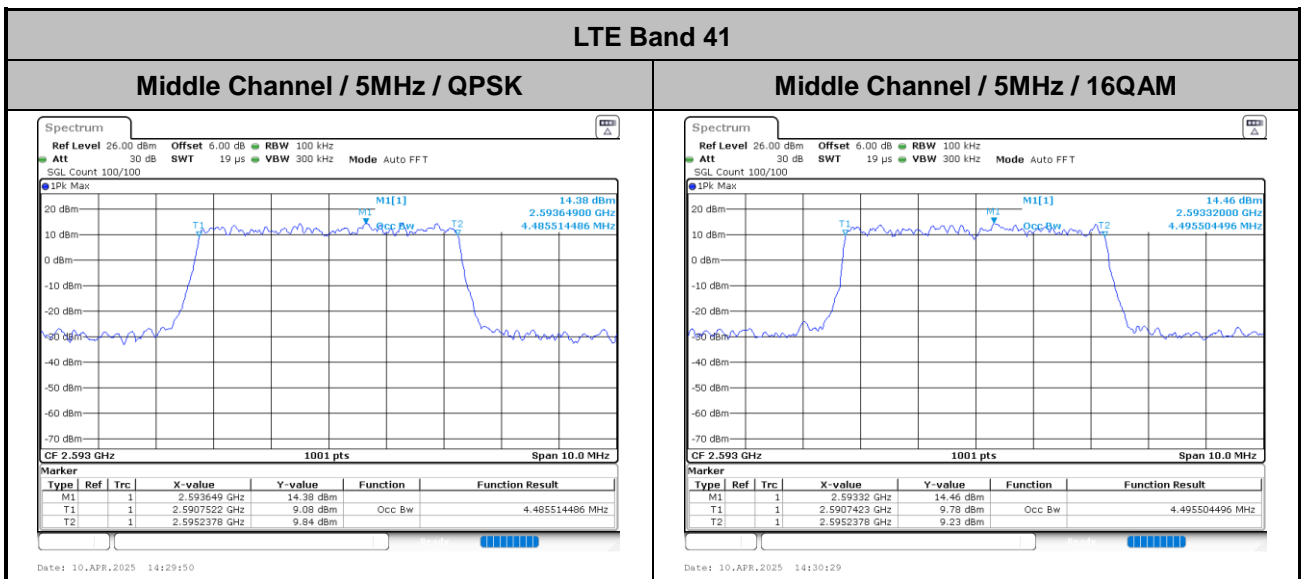


Date: 10.APR.2025 14:22:56



# Occupied Bandwidth

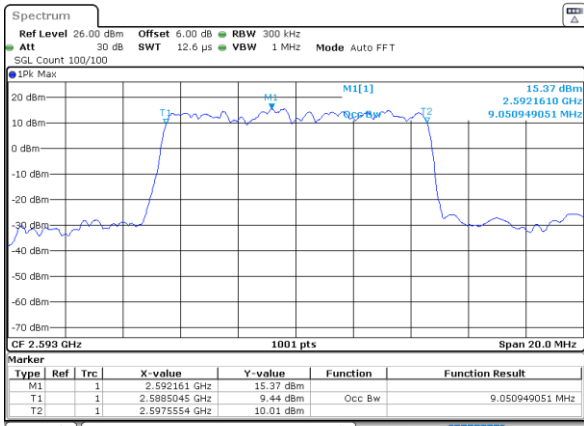
Mode	LTE Band 41 : 99%OBW(MHz)	
<b>BW</b>	<b>5MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	4.49	4.50
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	9.05	9.03
<b>BW</b>	<b>15MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	13.46	13.40
<b>BW</b>	<b>20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	17.86	17.94





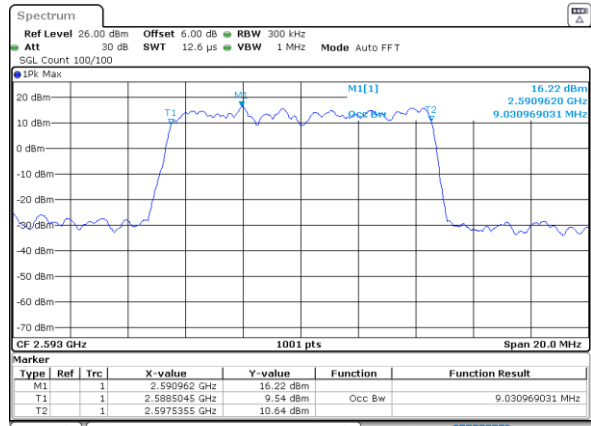
LTE Band 41

Middle Channel / 10MHz / QPSK



Date: 10.APR.2025 14:28:43

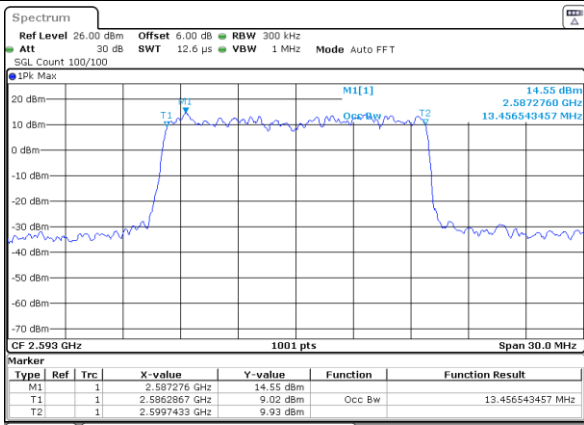
Middle Channel / 10MHz / 16QAM



Date: 10.APR.2025 14:28:09

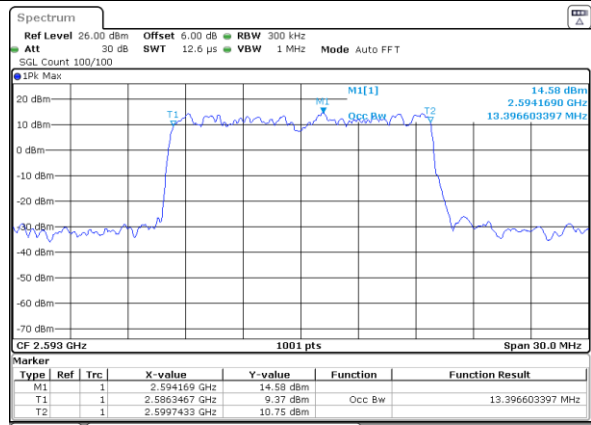
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 10.APR.2025 14:25:49

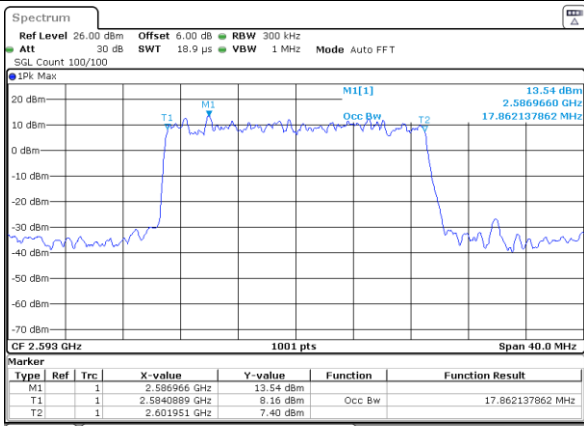
Middle Channel / 15MHz / 16QAM



Date: 10.APR.2025 14:26:26

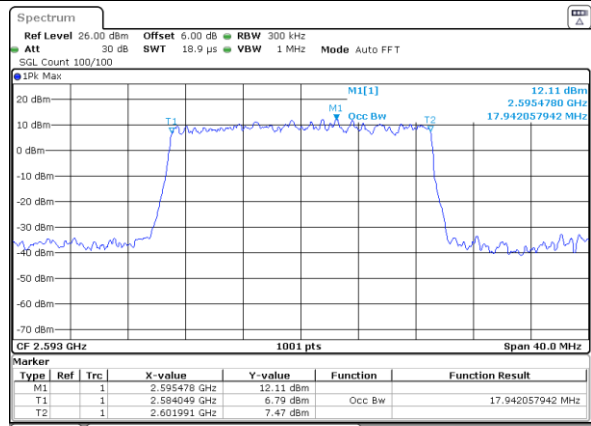
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 10.APR.2025 14:22:14

Middle Channel / 20MHz / 16QAM



Date: 10.APR.2025 14:22:46



# Conducted Band Edge

