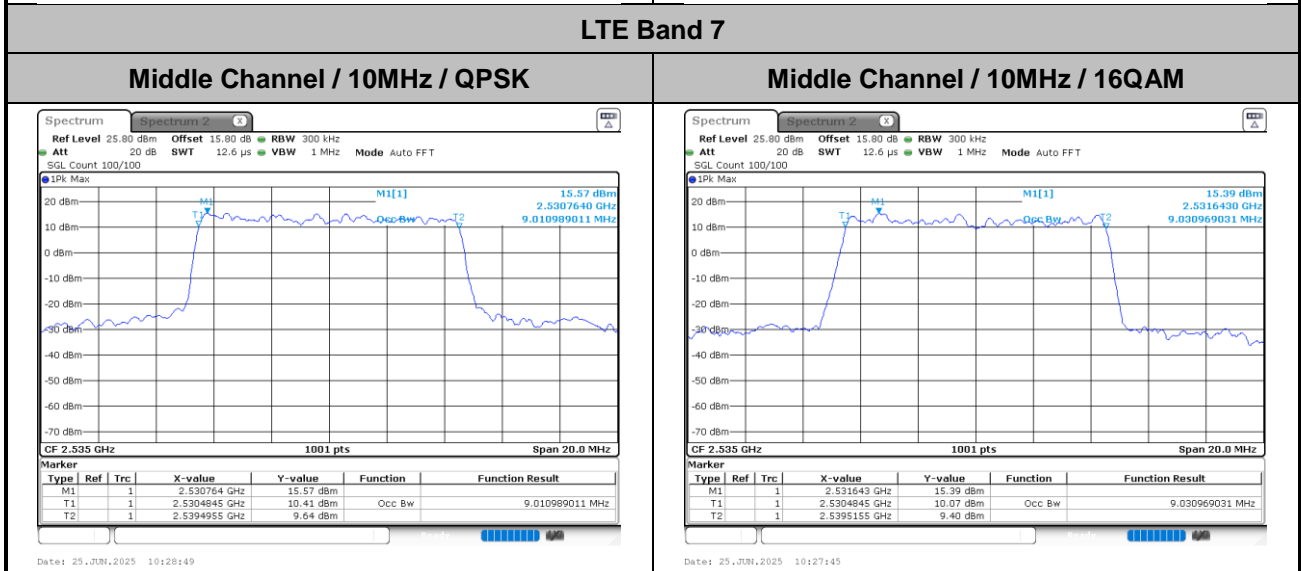
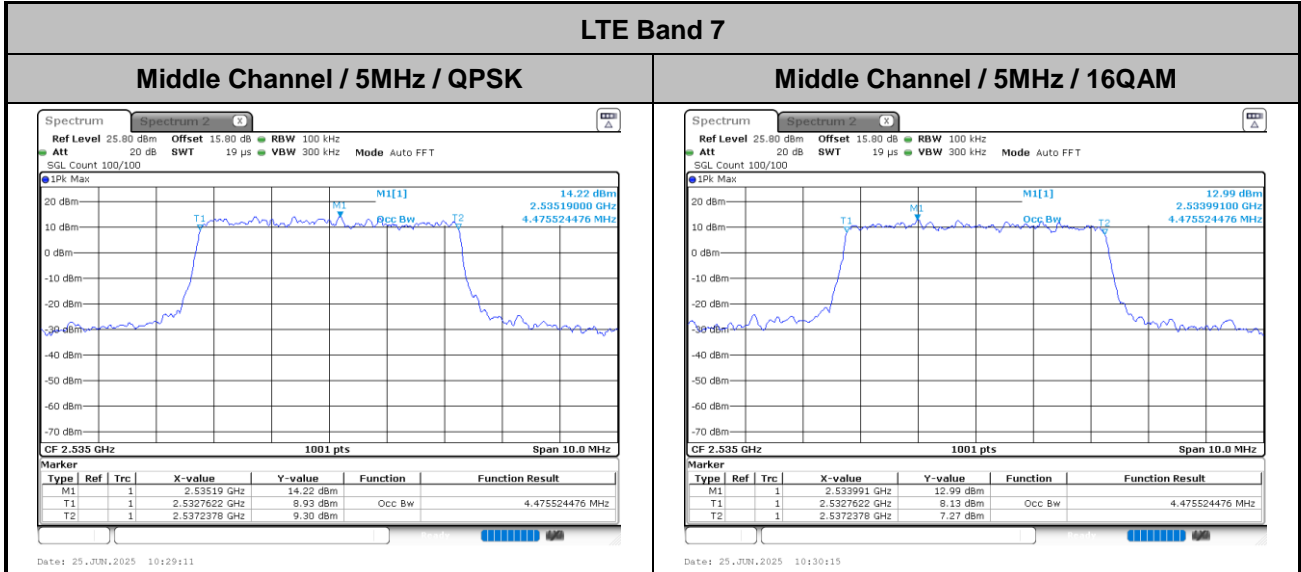




# Occupied Bandwidth

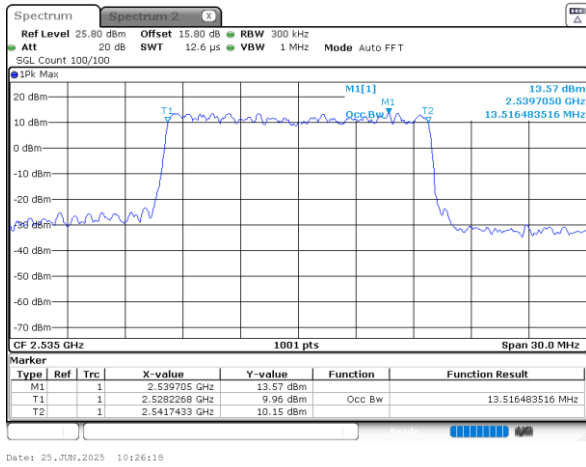
Mode	LTE Band 7 : 99%OBW(MHz)							
	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.48	4.48	9.01	9.03	13.52	13.43	17.94	17.90



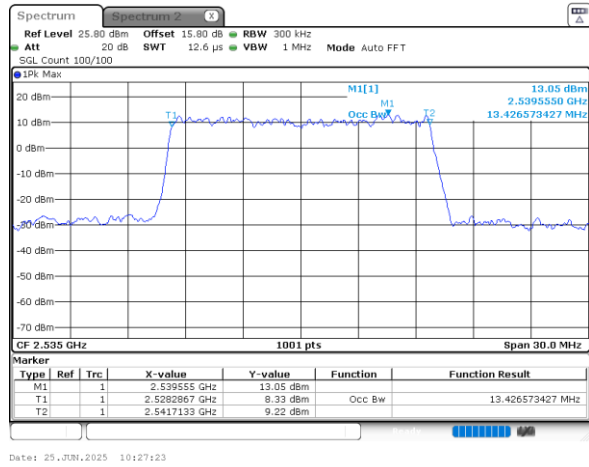


LTE Band 7

Middle Channel / 15MHz / QPSK

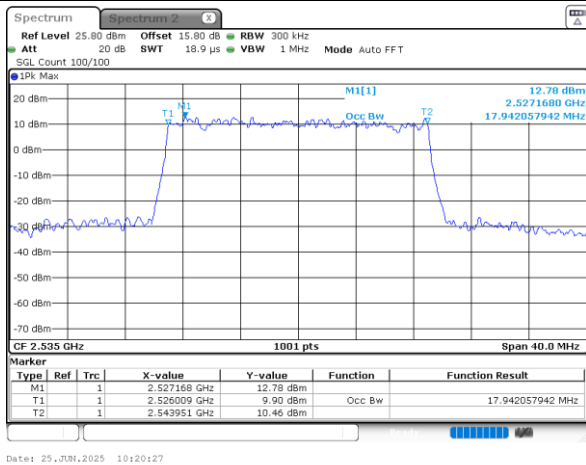


Middle Channel / 15MHz / 16QAM

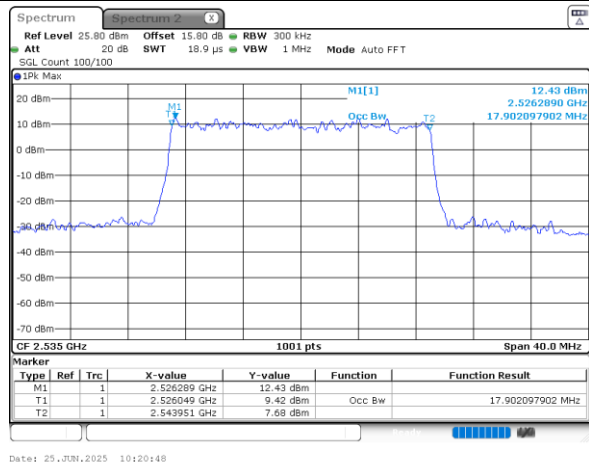


LTE Band 7

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

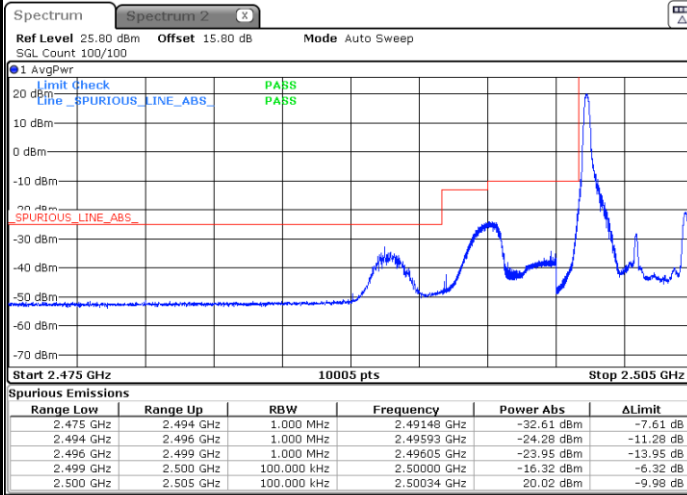




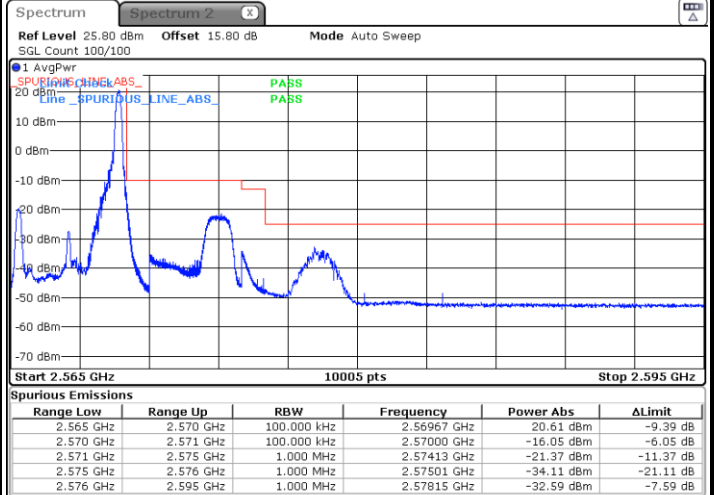
# Conducted Band Edge

## LTE Band 7 / 5MHz / QPSK

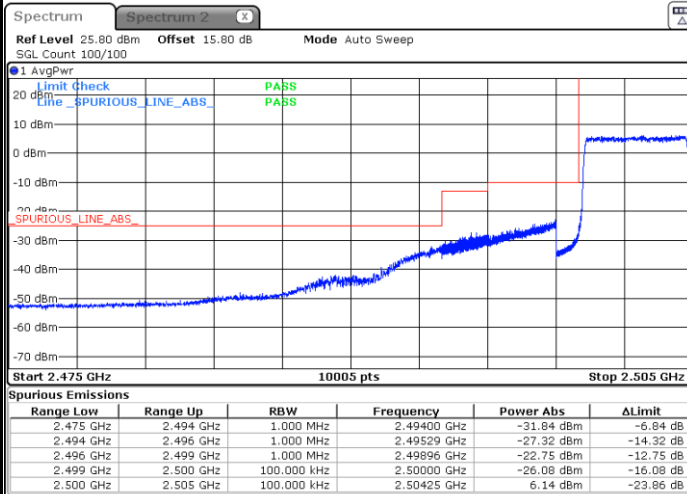
### Lowest Band Edge / 1 RB



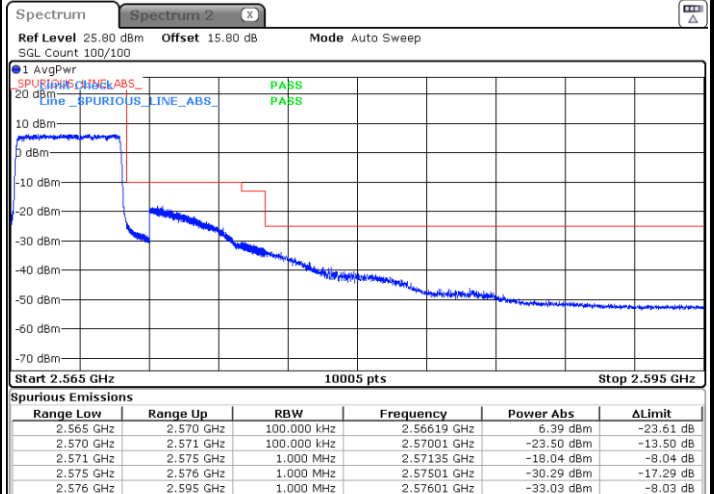
### Highest Band Edge / 1 RB



### Lowest Band Edge / Full RB



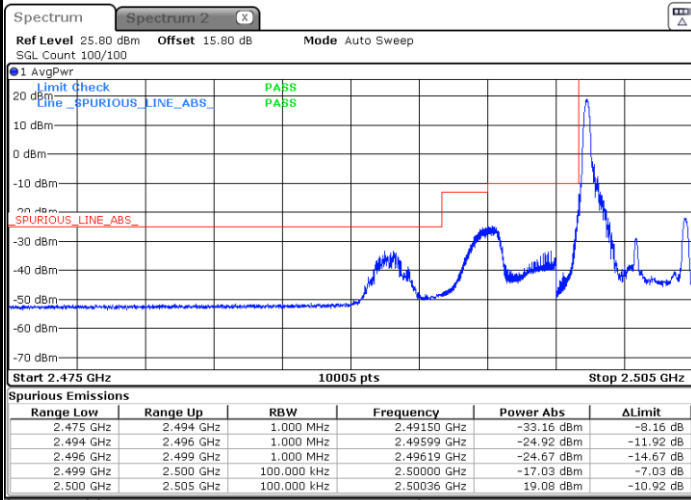
### Highest Band Edge / Full RB





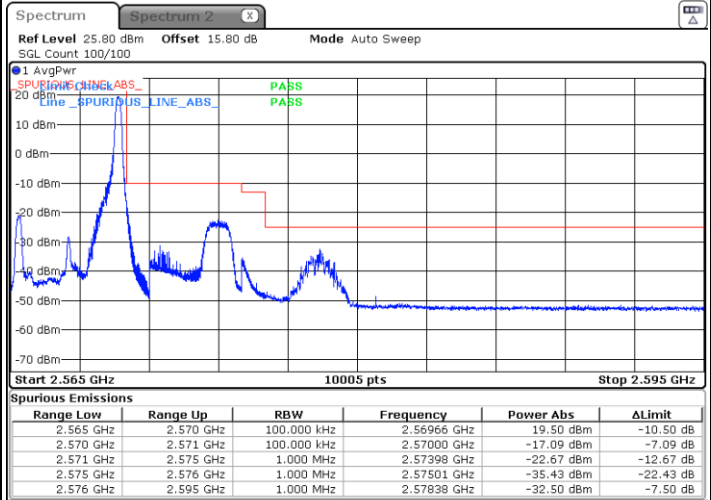
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



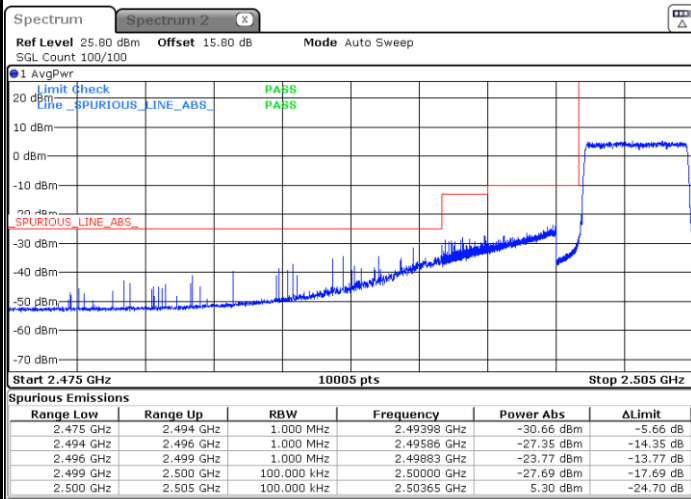
Date: 25 JUN.2025 09:15:24

Highest Band Edge / 1 RB



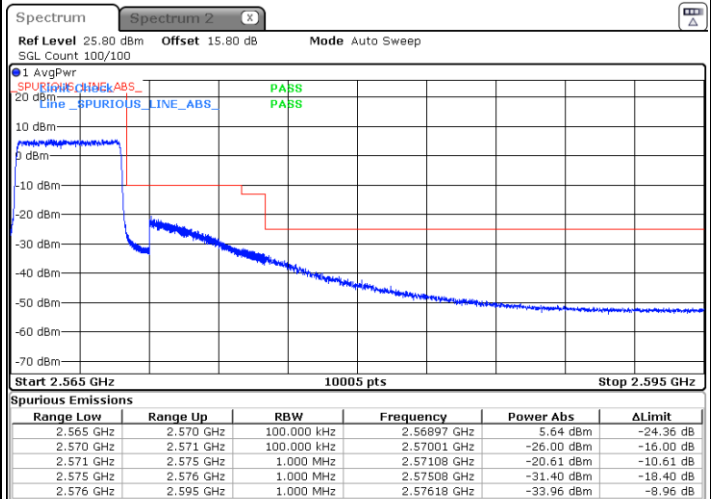
Date: 25 JUN.2025 09:23:55

Lowest Band Edge / Full RB



Date: 25 JUN.2025 09:18:40

Highest Band Edge / Full RB

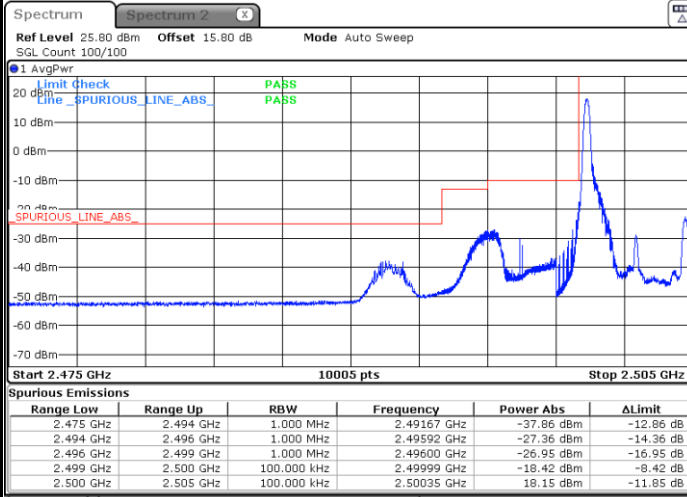


Date: 25 JUN.2025 09:27:12



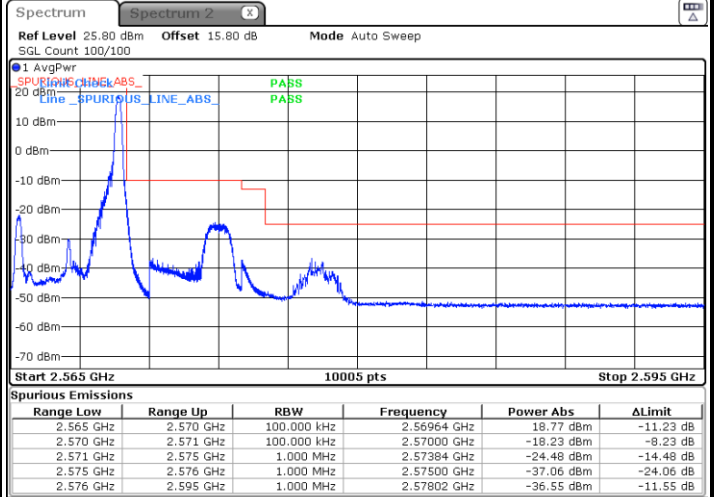
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



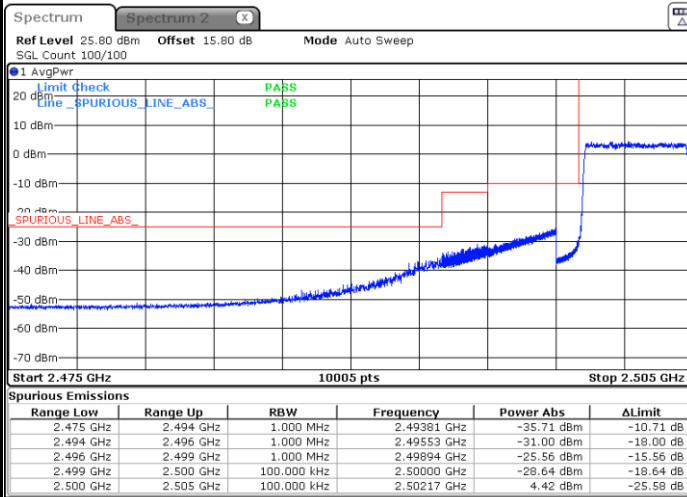
Date: 25 JUN.2025 09:16:29

Highest Band Edge / 1 RB



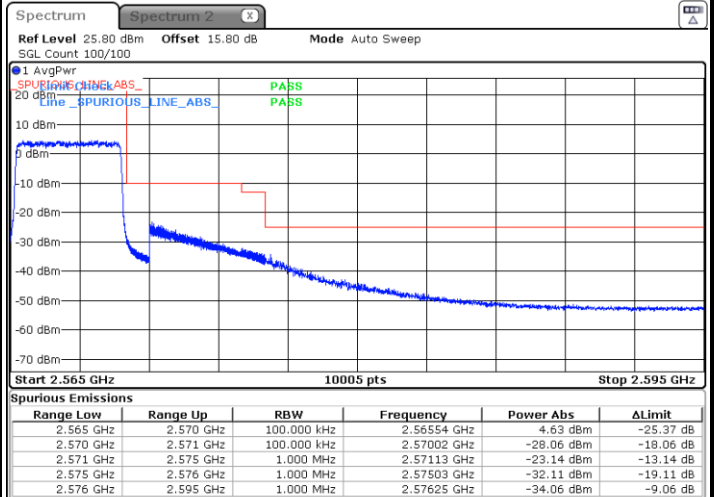
Date: 25 JUN.2025 09:25:01

Lowest Band Edge / Full RB



Date: 25 JUN.2025 09:17:35

Highest Band Edge / Full RB

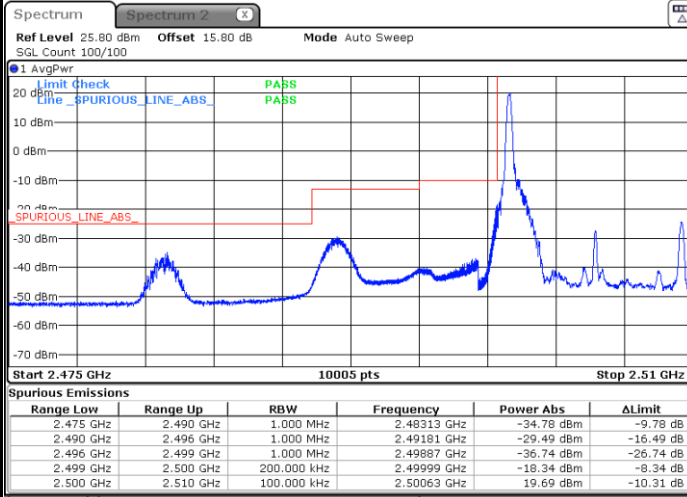


Date: 25 JUN.2025 09:26:06



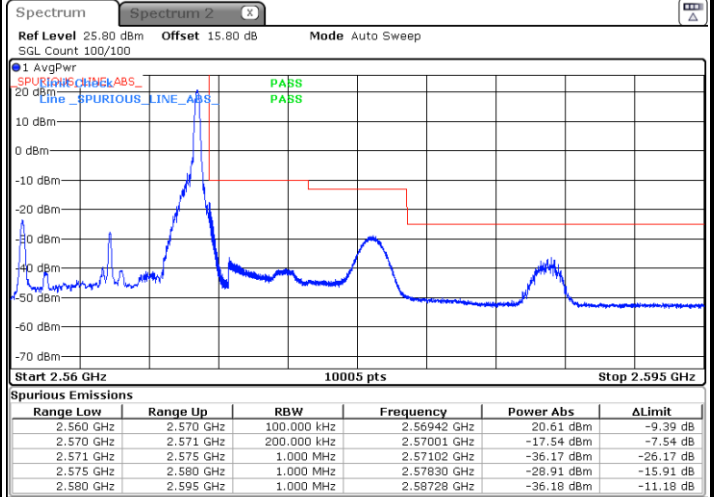
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



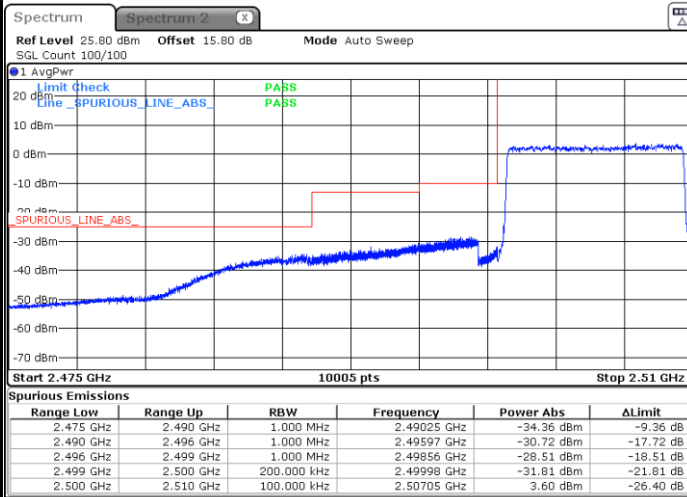
Date: 25 JUN.2025 09:30:23

Highest Band Edge / 1 RB



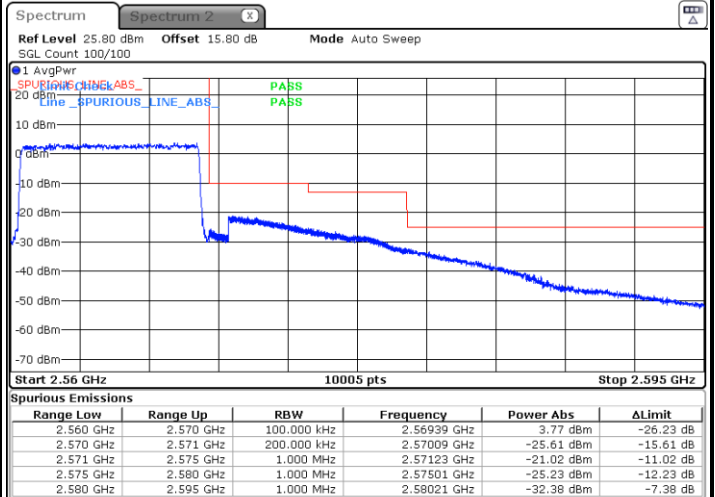
Date: 25 JUN.2025 09:38:52

Lowest Band Edge / Full RB



Date: 25 JUN.2025 09:35:48

Highest Band Edge / Full RB



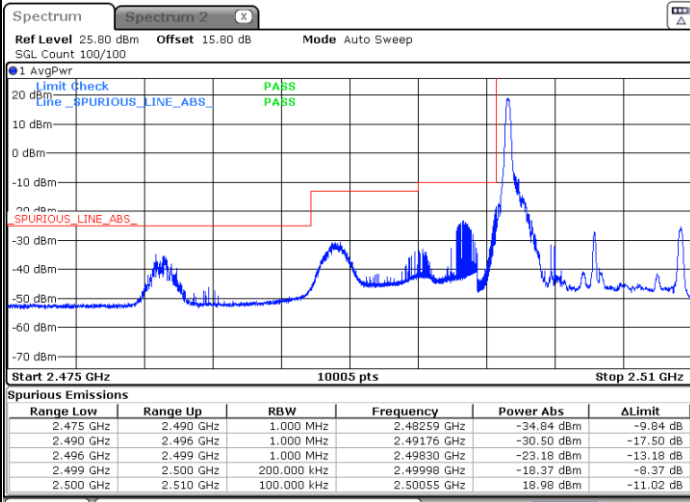
Date: 25 JUN.2025 09:44:19



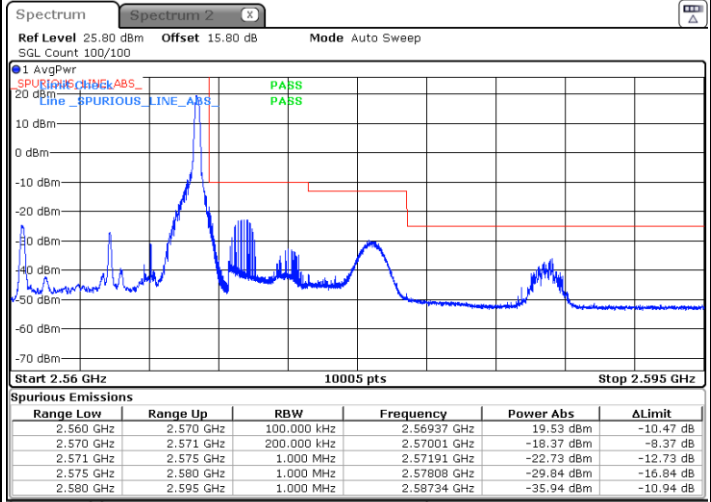
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



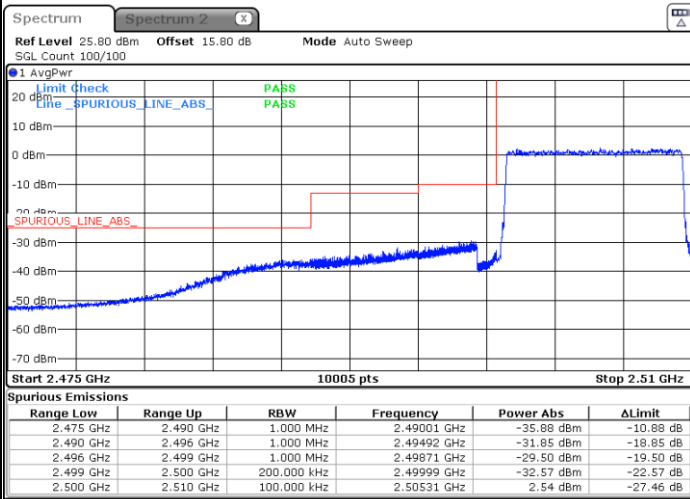
Date: 25 JUN.2025 09:31:28



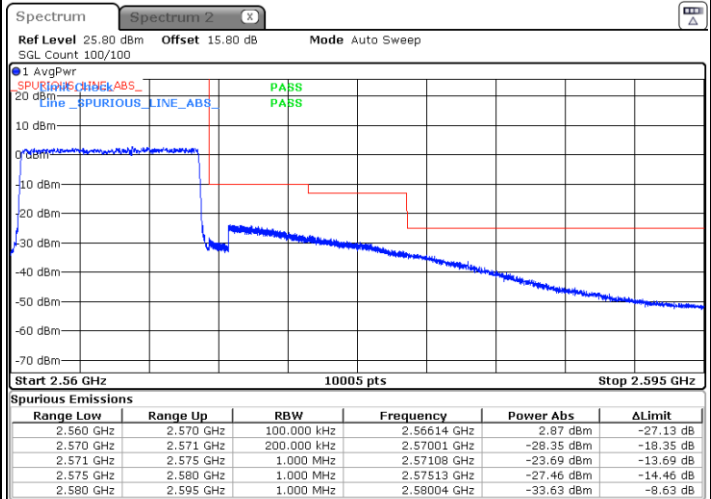
Date: 25 JUN.2025 09:39:57

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25 JUN.2025 09:34:43

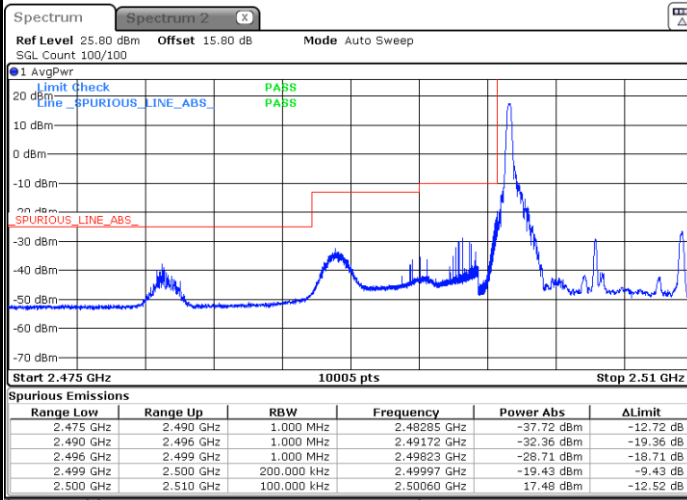


Date: 25 JUN.2025 09:43:14



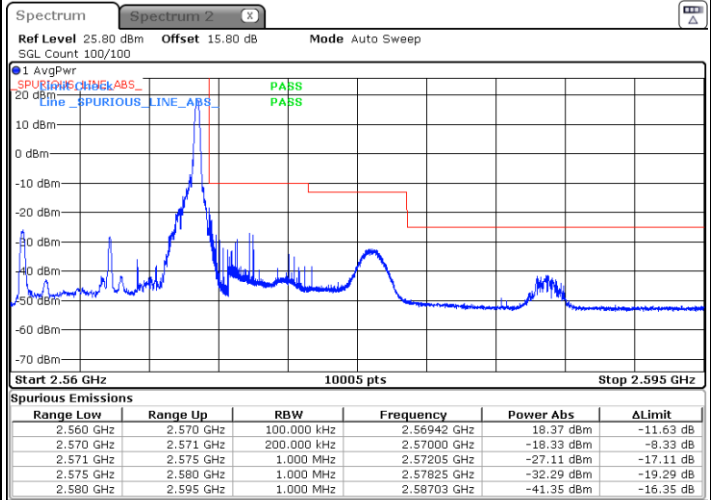
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



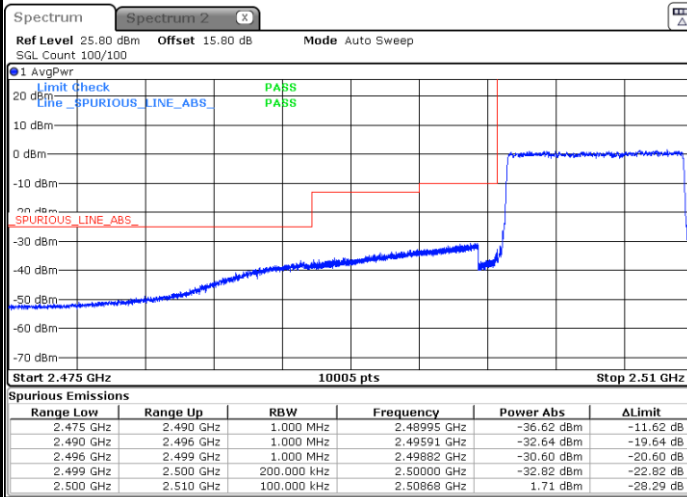
Date: 25 JUN.2025 09:32:33

Highest Band Edge / 1 RB



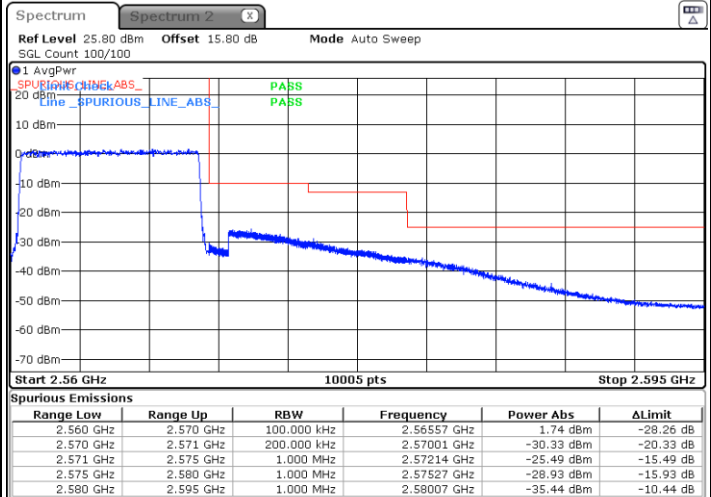
Date: 25 JUN.2025 09:41:03

Lowest Band Edge / Full RB



Date: 25 JUN.2025 09:33:38

Highest Band Edge / Full RB



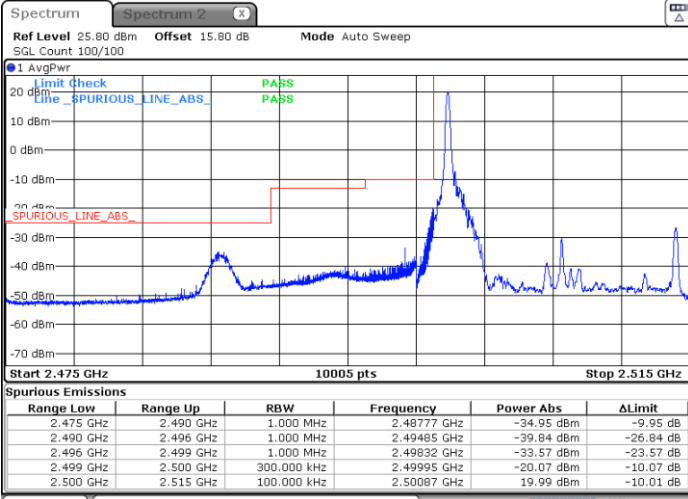
Date: 25 JUN.2025 09:42:08



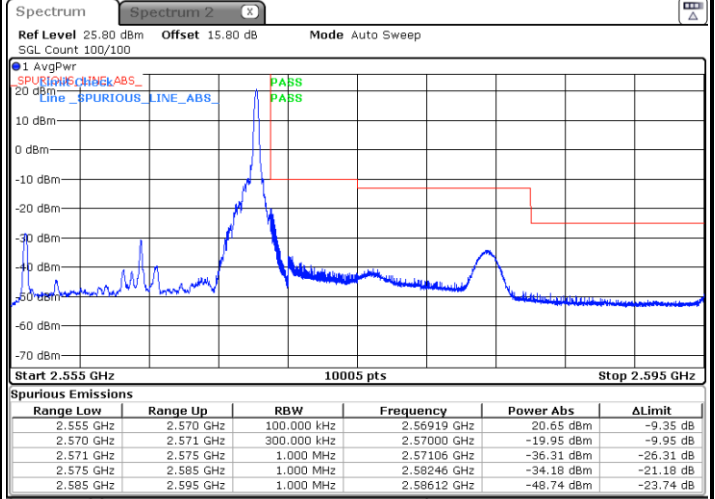
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



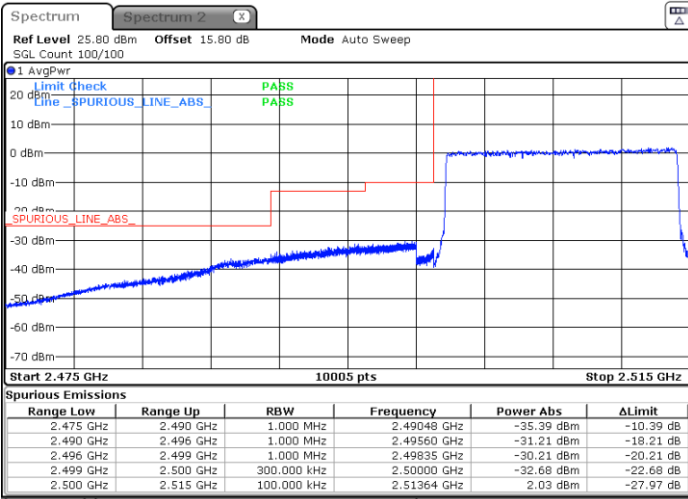
Date: 25 JUN.2025 09:46:25



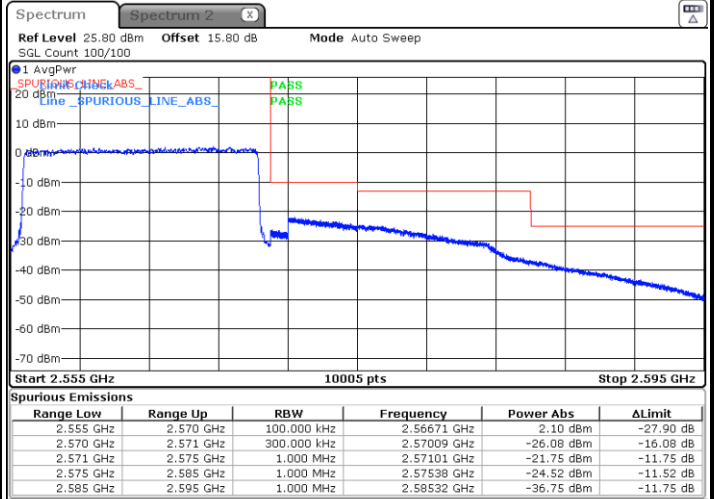
Date: 25 JUN.2025 09:58:11

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25 JUN.2025 09:51:52

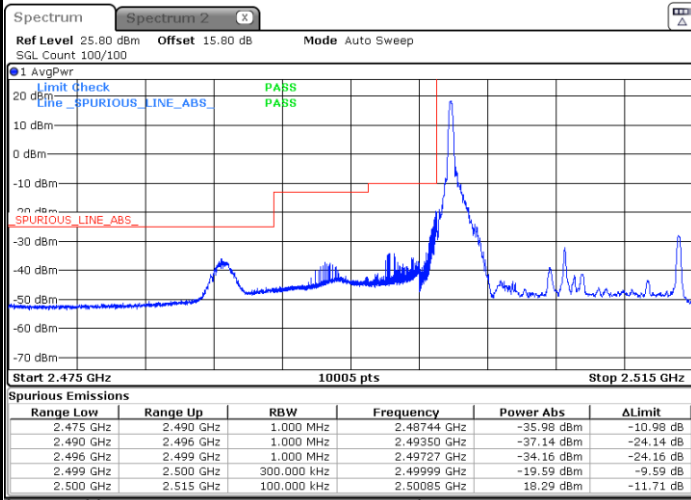


Date: 25 JUN.2025 10:03:40



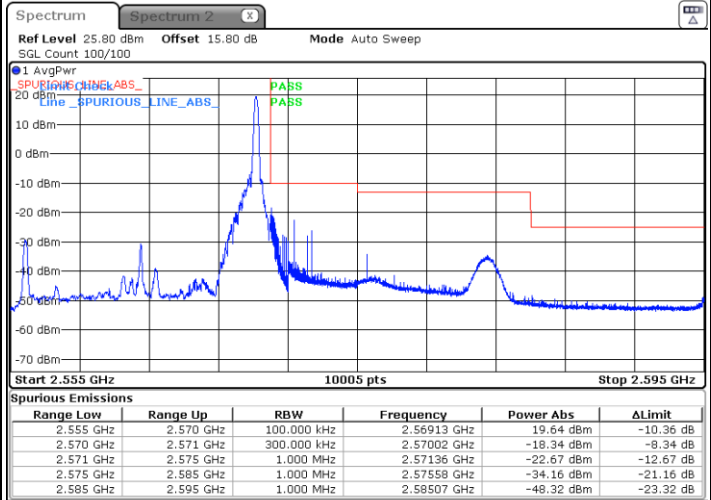
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



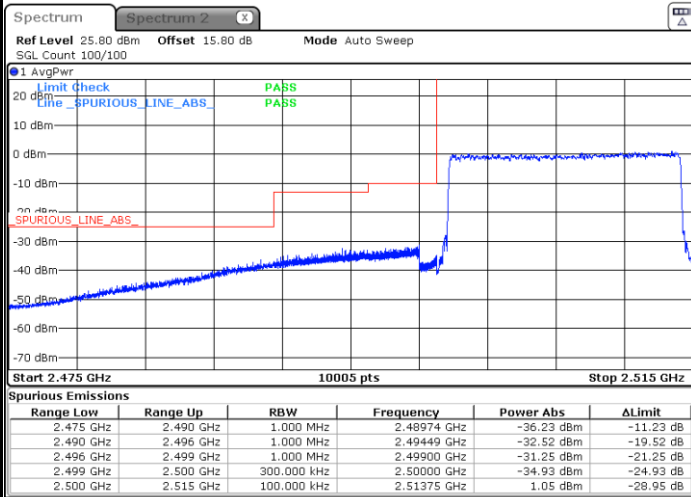
Date: 25 JUN.2025 09:47:30

Highest Band Edge / 1 RB



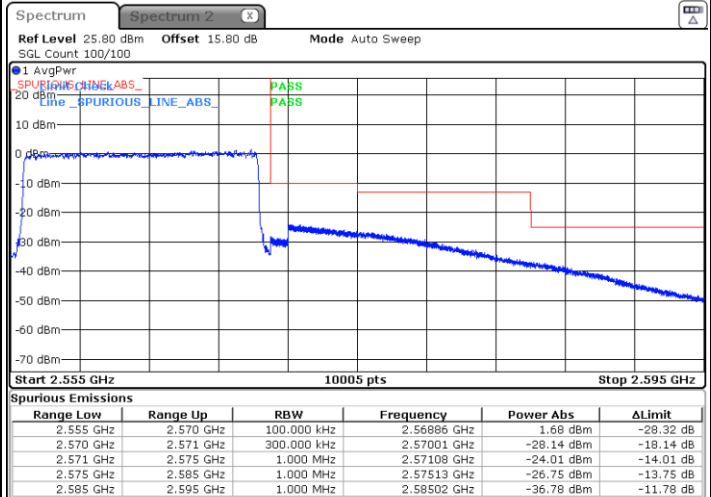
Date: 25 JUN.2025 09:59:17

Lowest Band Edge / Full RB



Date: 25 JUN.2025 09:50:46

Highest Band Edge / Full RB

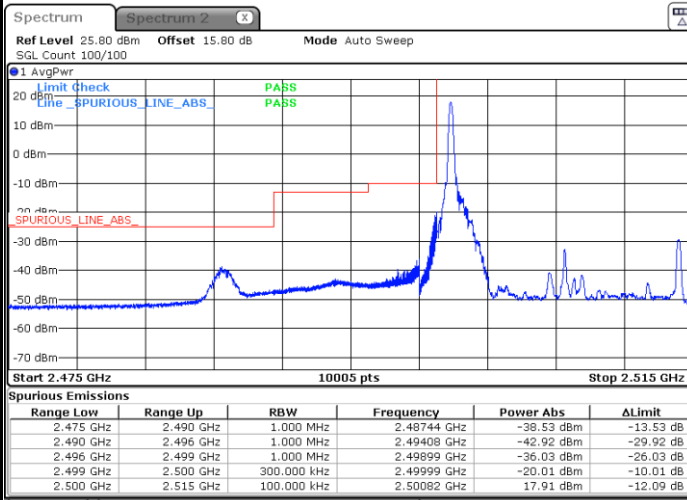


Date: 25 JUN.2025 10:02:34



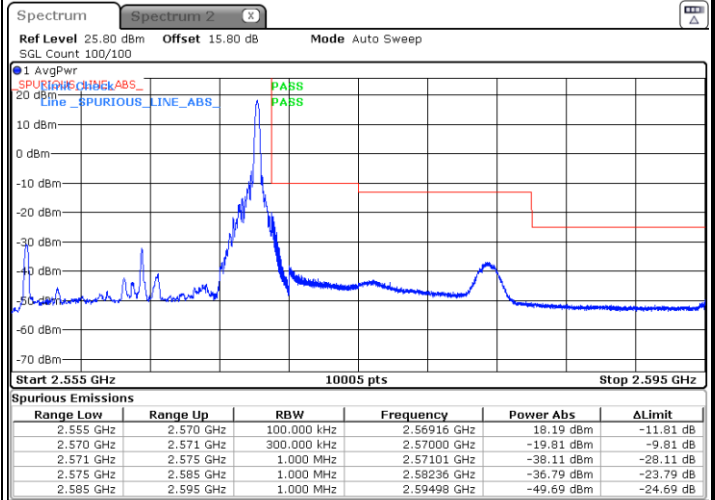
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



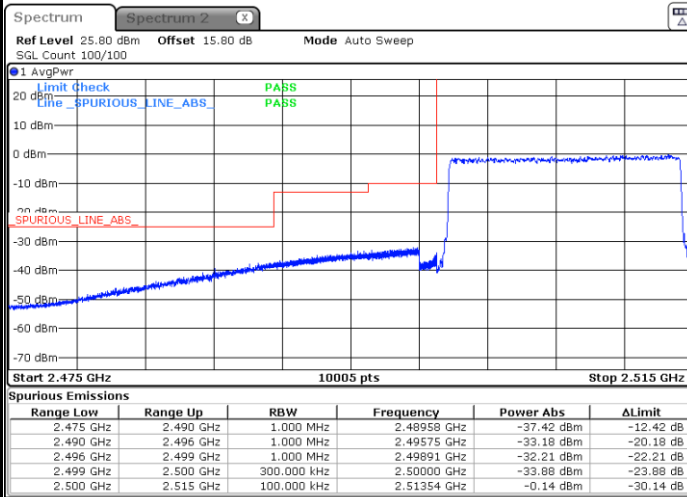
Date: 25 JUN.2025 09:48:35

Highest Band Edge / 1 RB



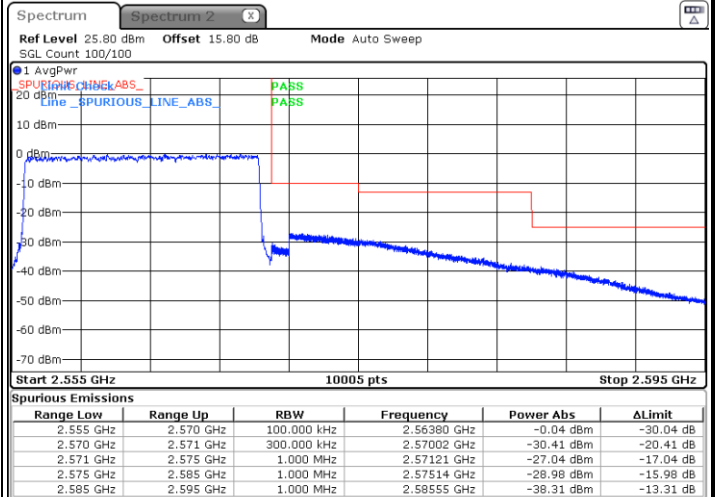
Date: 25 JUN.2025 10:00:22

Lowest Band Edge / Full RB



Date: 25 JUN.2025 09:49:41

Highest Band Edge / Full RB

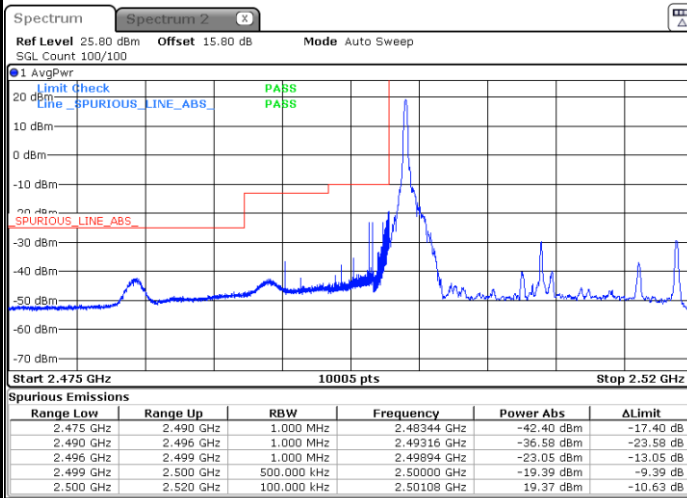


Date: 25 JUN.2025 10:01:28



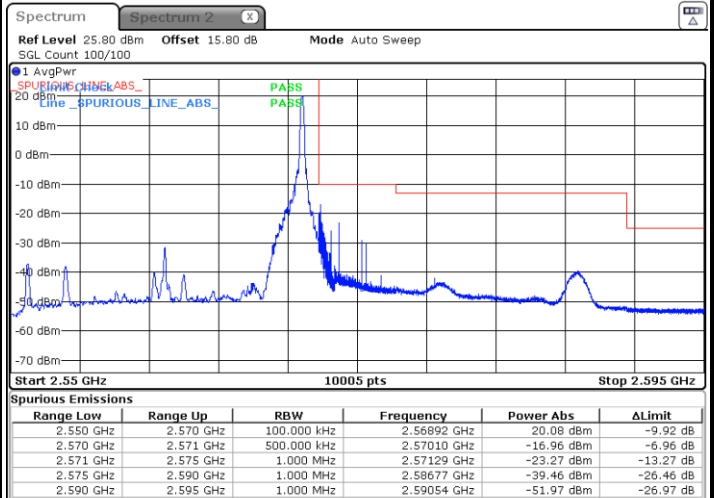
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



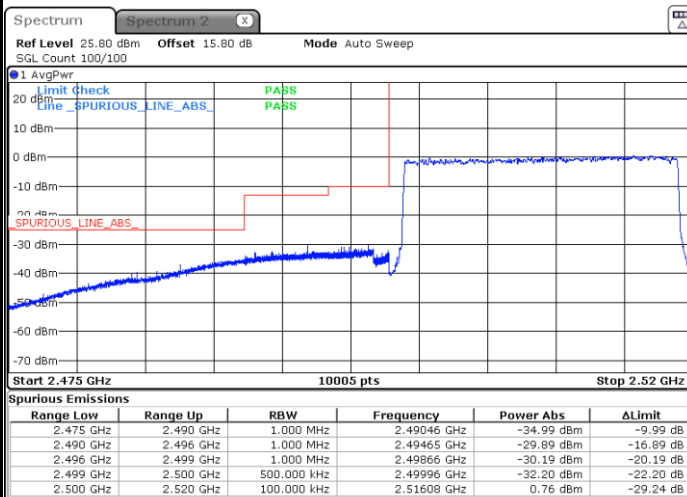
Date: 25 JUN.2025 10:05:45

Highest Band Edge / 1 RB



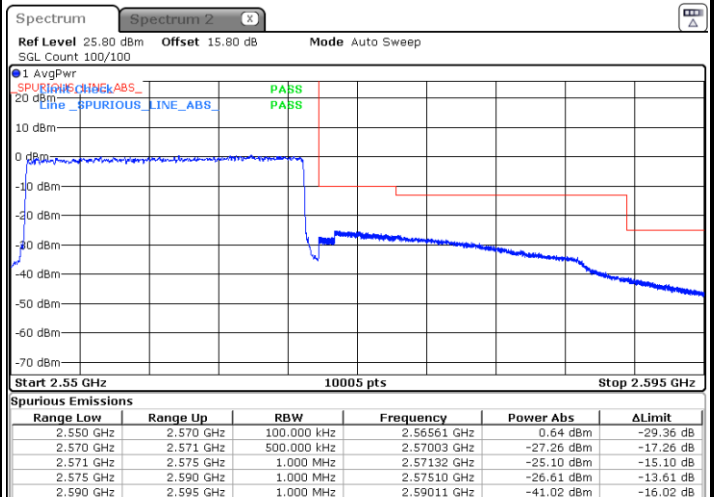
Date: 25 JUN.2025 10:14:17

Lowest Band Edge / Full RB



Date: 25 JUN.2025 10:11:13

Highest Band Edge / Full RB

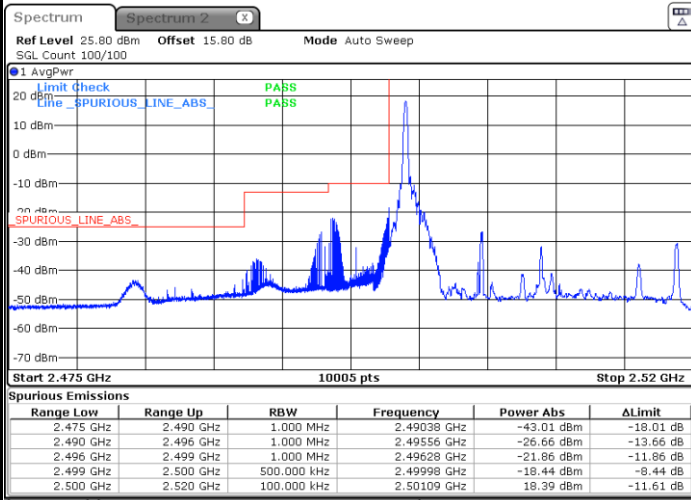


Date: 25 JUN.2025 10:19:44



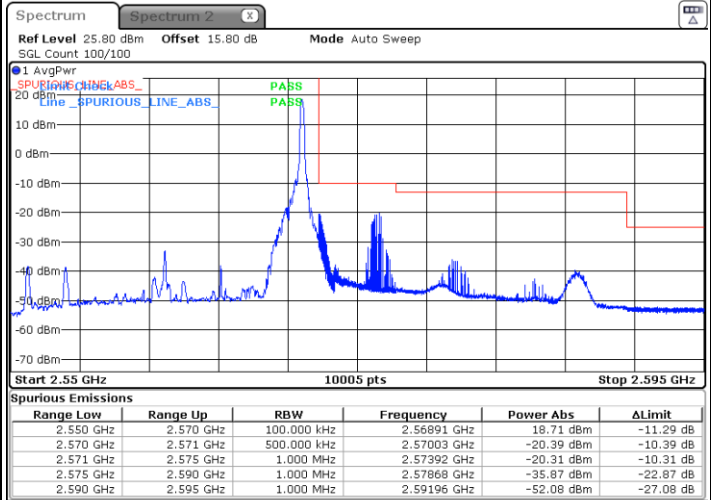
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



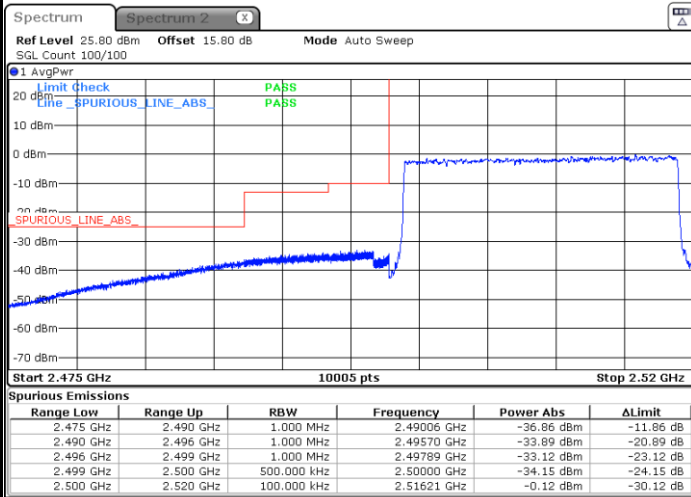
Date: 25 JUN.2025 10:06:50

Highest Band Edge / 1 RB



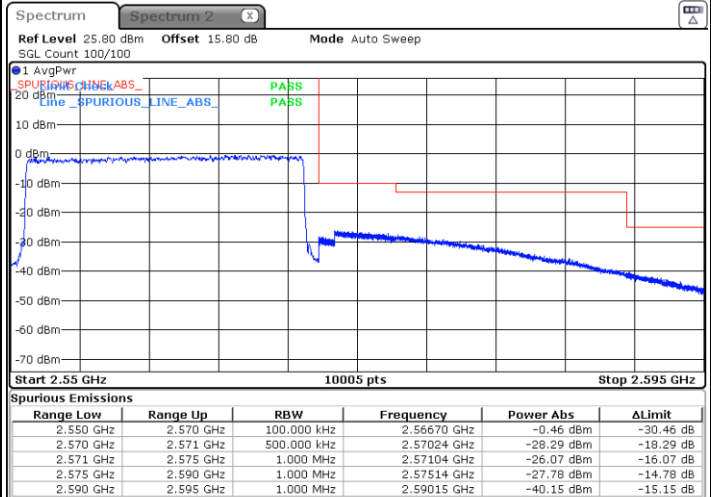
Date: 25 JUN.2025 10:15:22

Lowest Band Edge / Full RB



Date: 25 JUN.2025 10:10:07

Highest Band Edge / Full RB

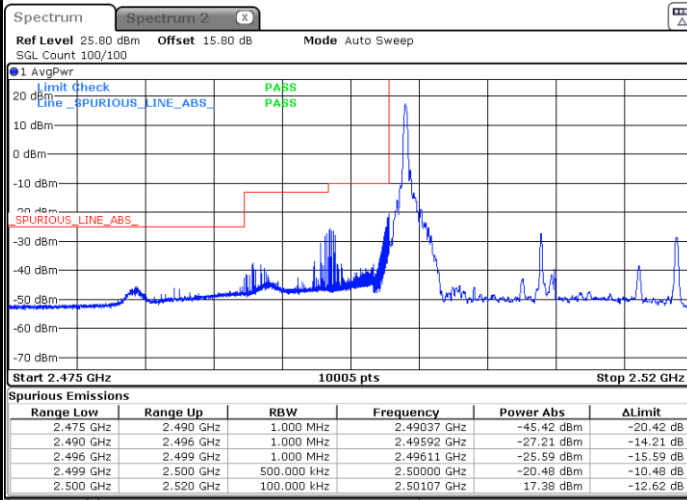


Date: 25 JUN.2025 10:18:38



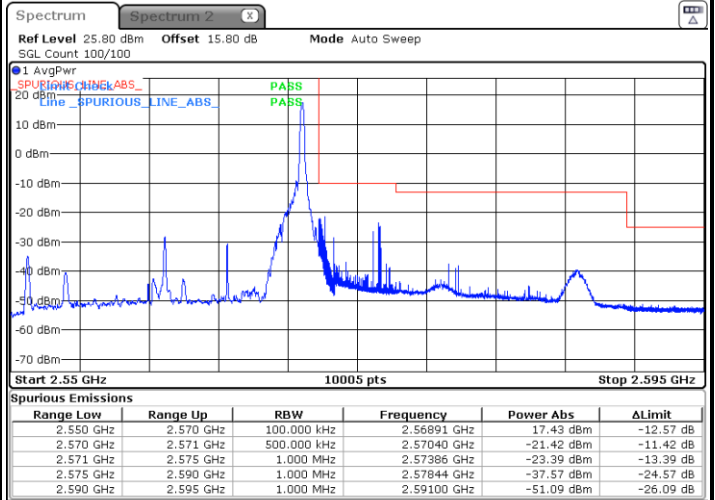
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



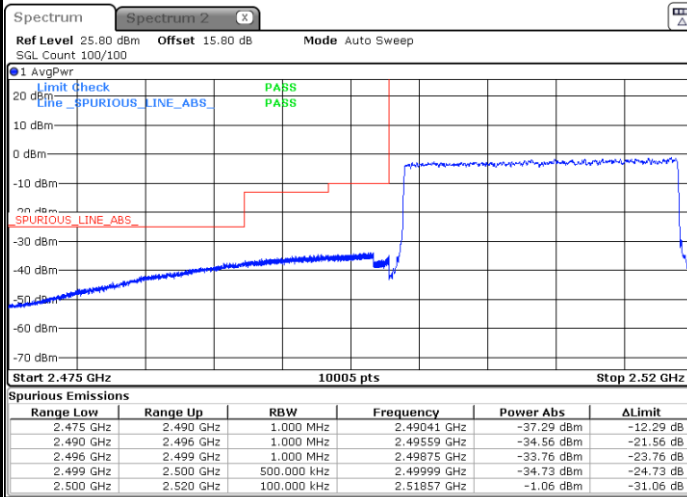
Date: 25 JUN.2025 10:07:56

Highest Band Edge / 1 RB



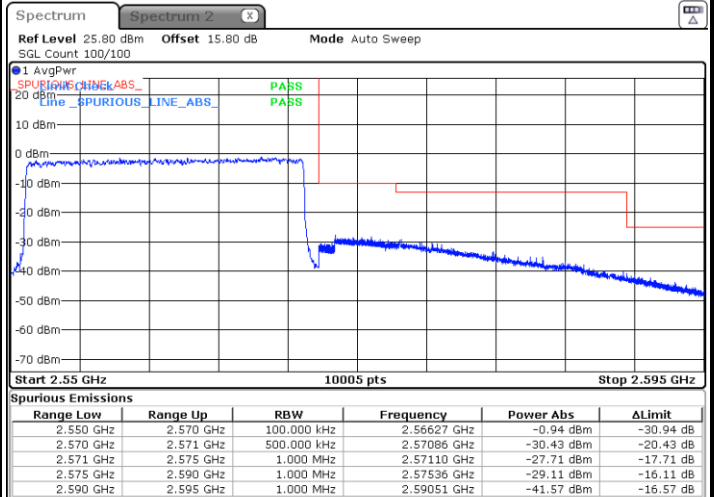
Date: 25 JUN.2025 10:16:28

Lowest Band Edge / Full RB



Date: 25 JUN.2025 10:09:02

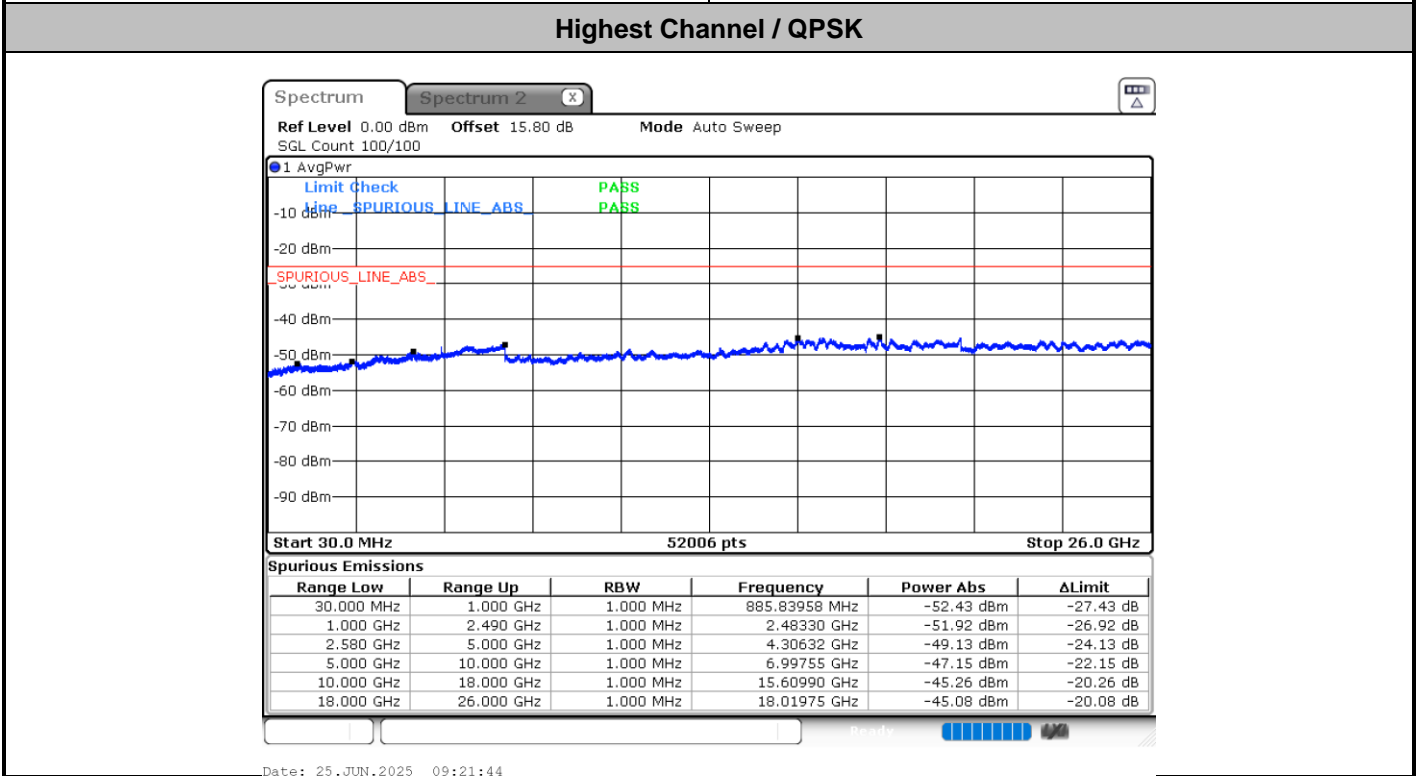
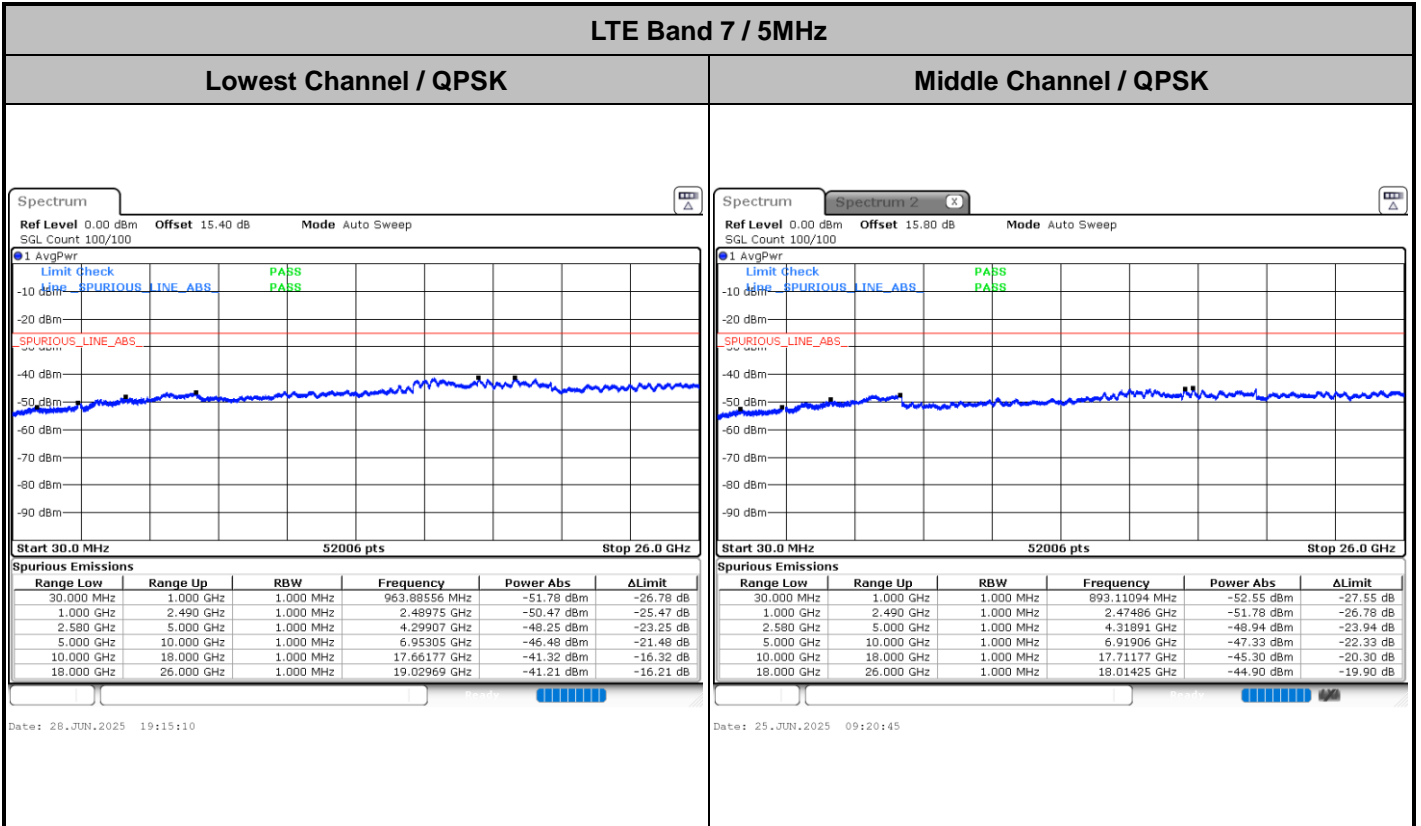
Highest Band Edge / Full RB



Date: 25 JUN.2025 10:17:33



# Conducted Spurious Emission

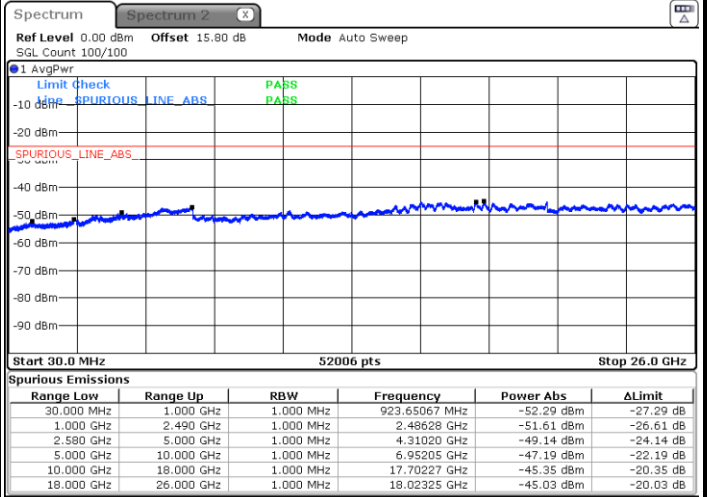
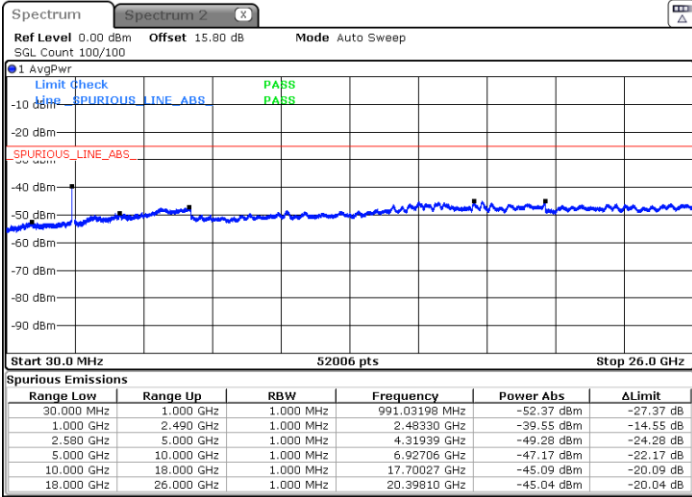




LTE Band 7 / 10MHz

Lowest Channel / QPSK

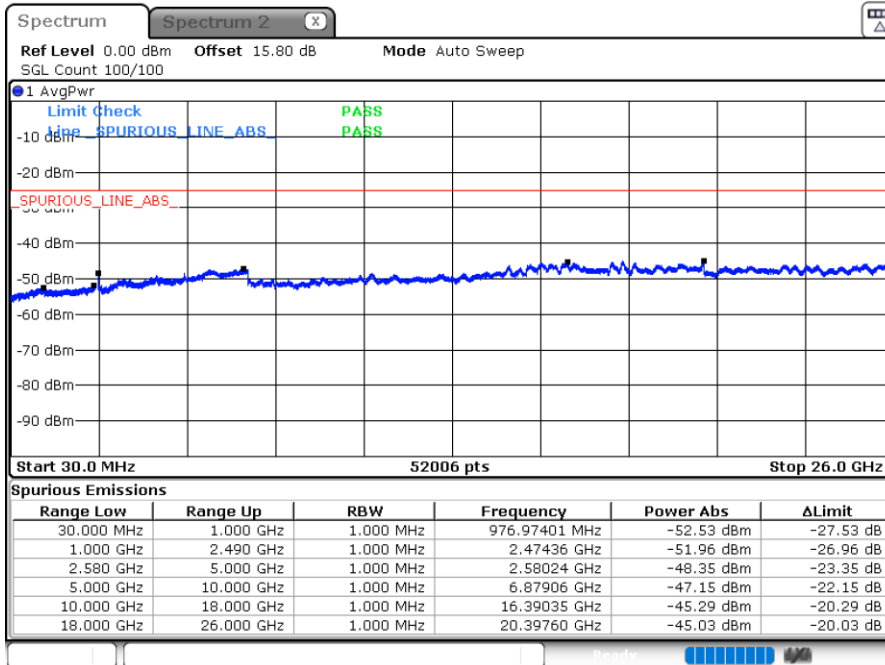
Middle Channel / QPSK



Date: 25 JUN 2025 09:29:17

Date: 25 JUN 2025 09:36:47

Highest Channel / QPSK



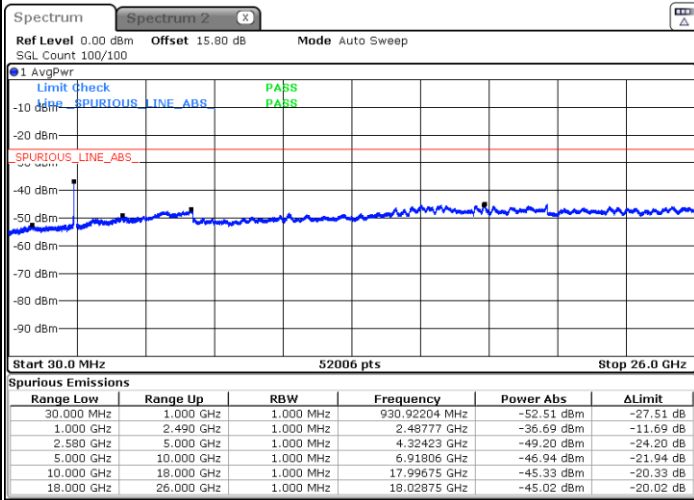
Date: 25 JUN 2025 09:37:46



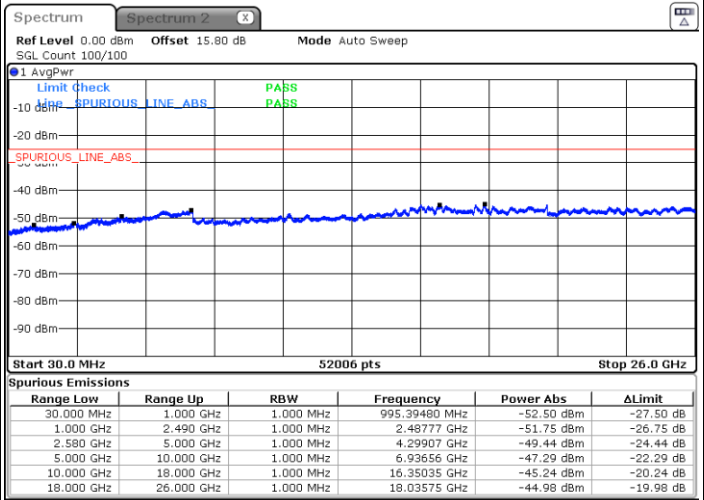
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

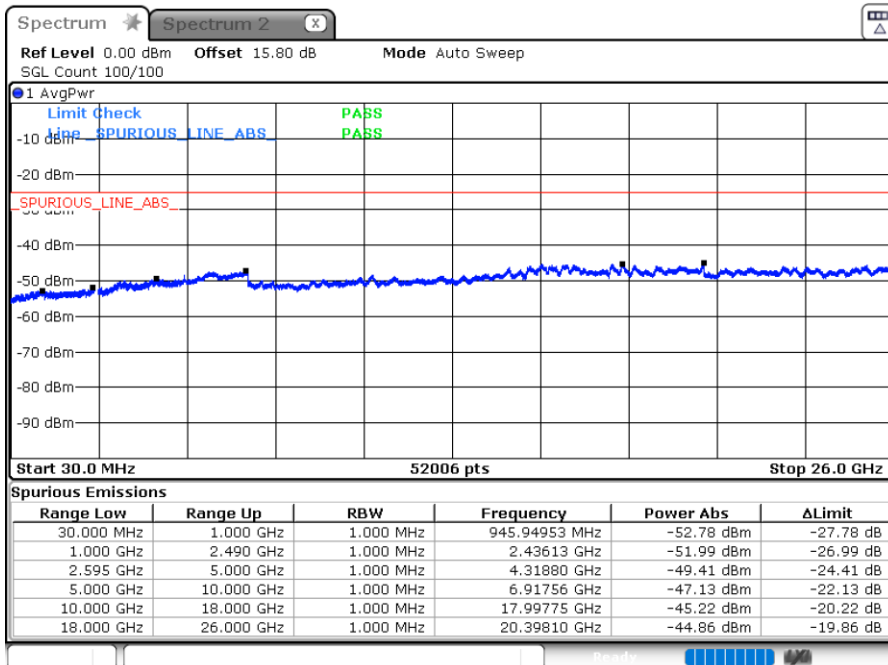


Date: 25 JUN 2025 09:45:19



Date: 25 JUN 2025 09:52:51

Highest Channel / QPSK

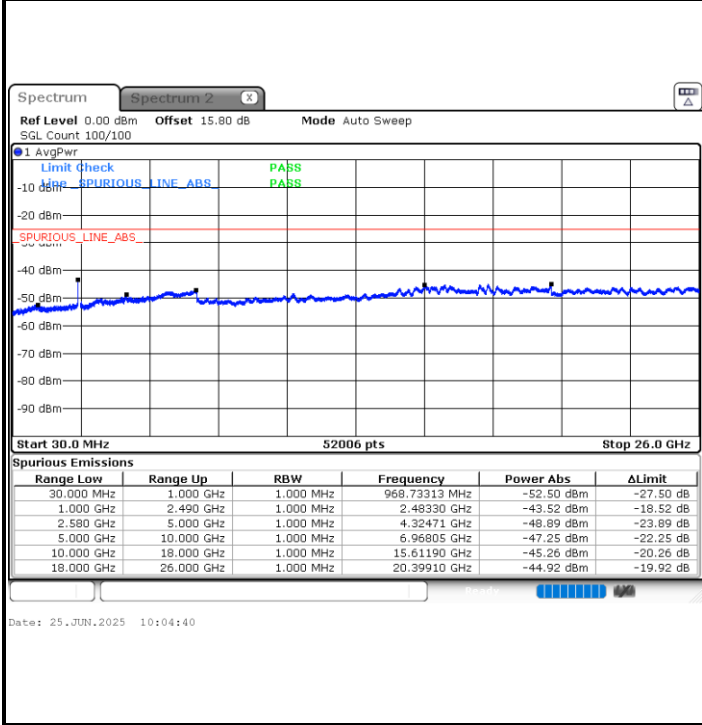


Date: 25 JUN 2025 15:18:46

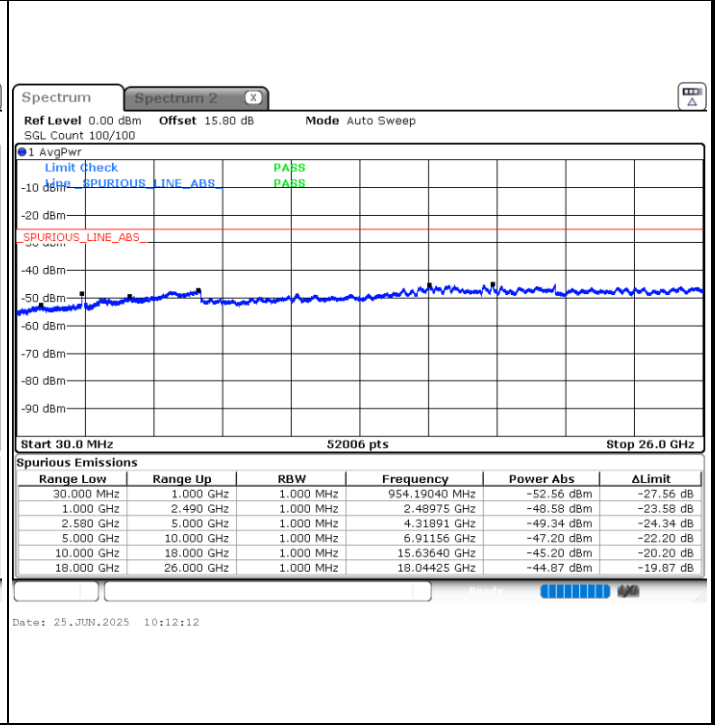


**LTE Band 7 / 20MHz**

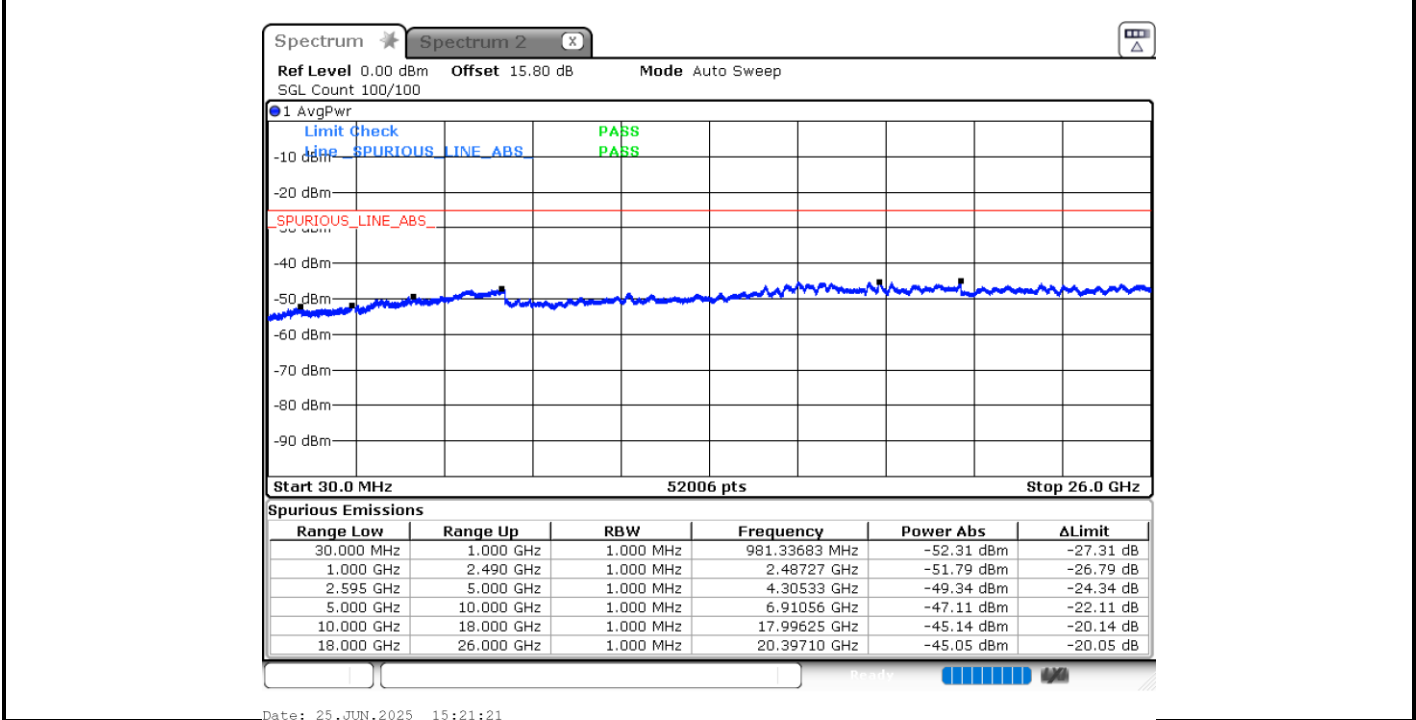
**Lowest Channel / QPSK**



**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	0.0014	PASS
40	Normal Voltage	0.0023	
30	Normal Voltage	0.0020	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0025	
-10	Normal Voltage	0.0022	
-20	Normal Voltage	0.0027	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0033	
20	Normal Voltage	0.0021	
20	Battery End Point	0.0011	

Note:

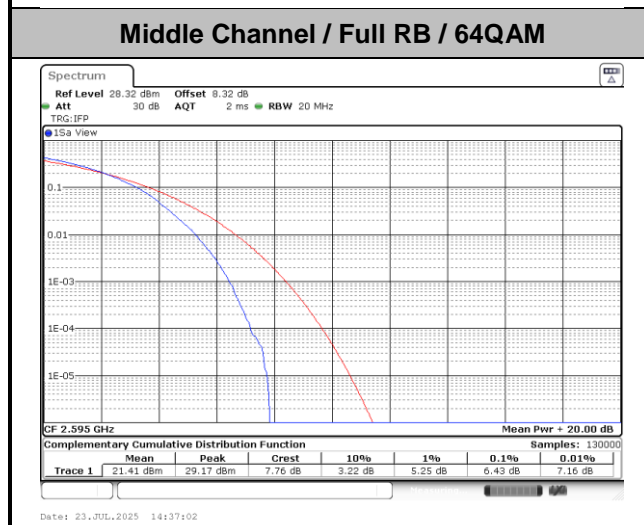
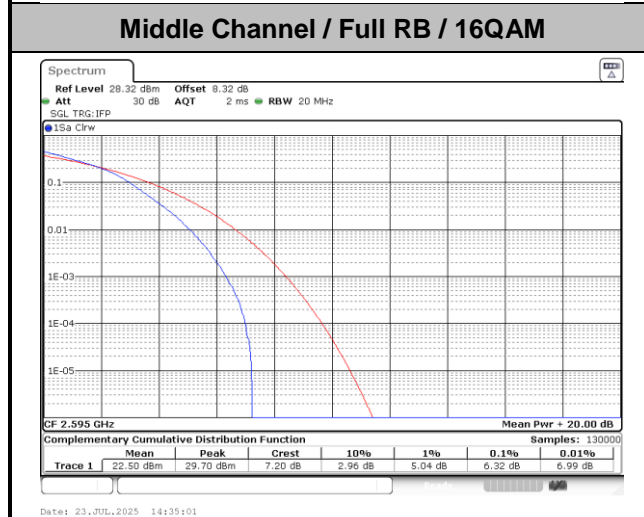
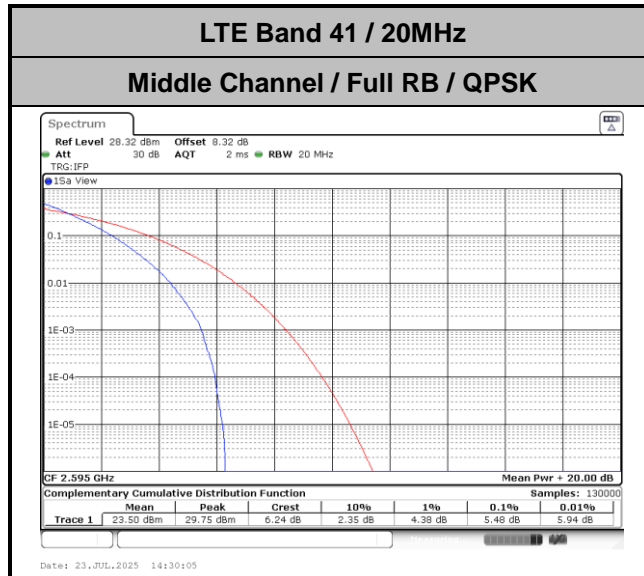
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## 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	5.48	6.32	6.43	PASS





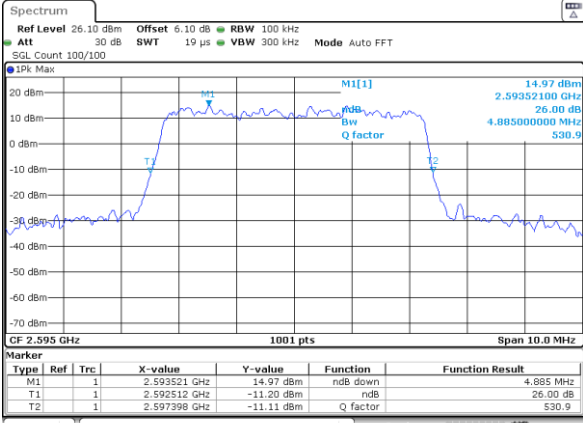
**26dB Bandwidth**

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>	4.89	4.84
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	9.77	9.73
<b>BW</b>	<b>15MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	14.34	14.33
<b>BW</b>	<b>20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	18.74	18.74



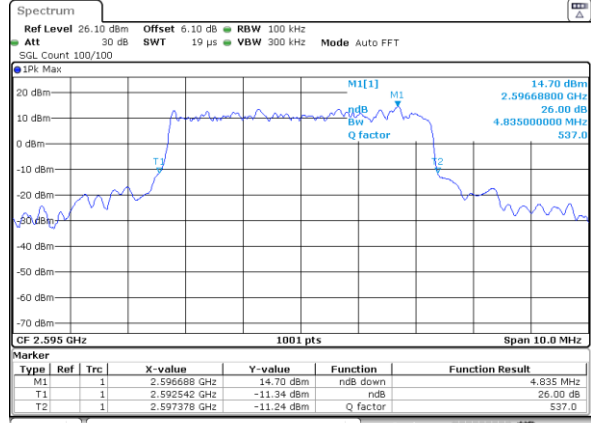
LTE Band 41

Middle Channel / 5MHz / QPSK



Date: 23\_JUL\_2025 11:07:52

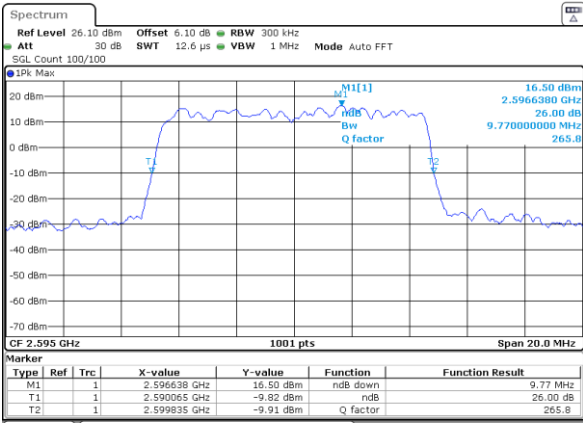
Middle Channel / 5MHz / 16QAM



Date: 23\_JUL\_2025 11:07:26

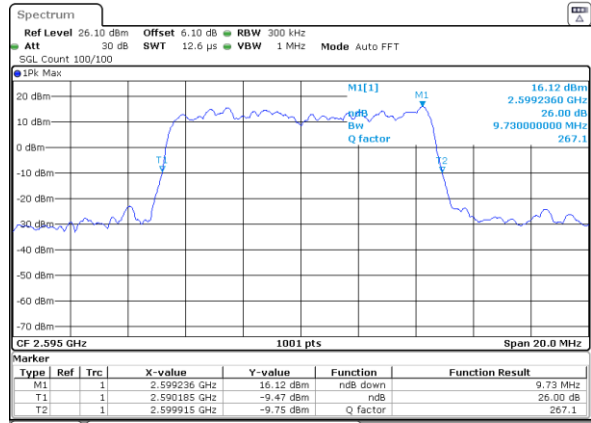
LTE Band 41

Middle Channel / 10MHz / QPSK



Date: 23\_JUL\_2025 11:05:42

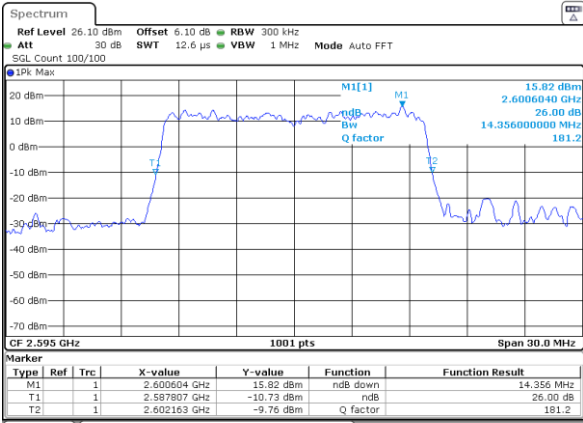
Middle Channel / 10MHz / 16QAM



Date: 23\_JUL\_2025 11:06:07

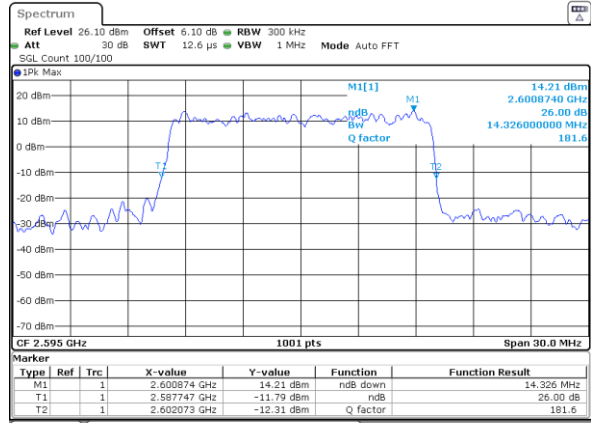
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 23\_JUL\_2025 11:04:24

Middle Channel / 15MHz / 16QAM

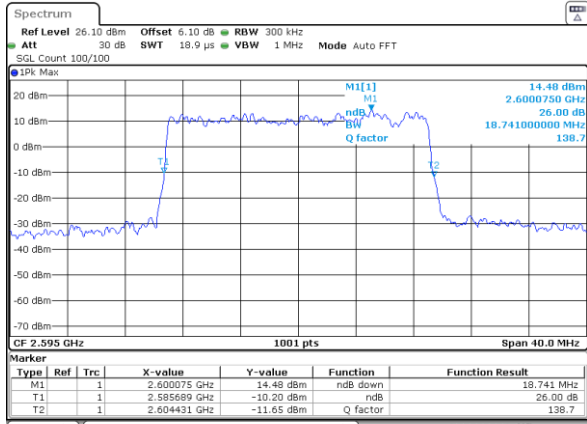


Date: 23\_JUL\_2025 11:03:59

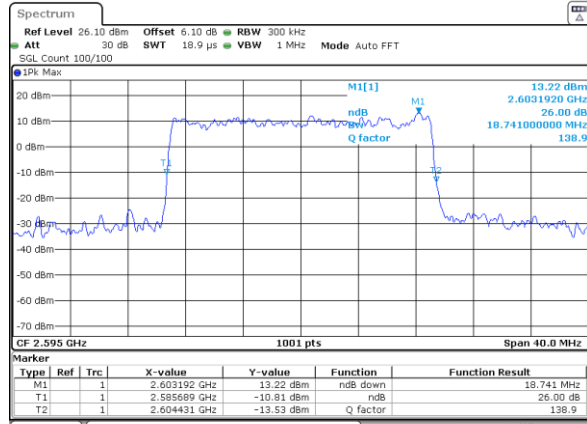


LTE Band 41

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM





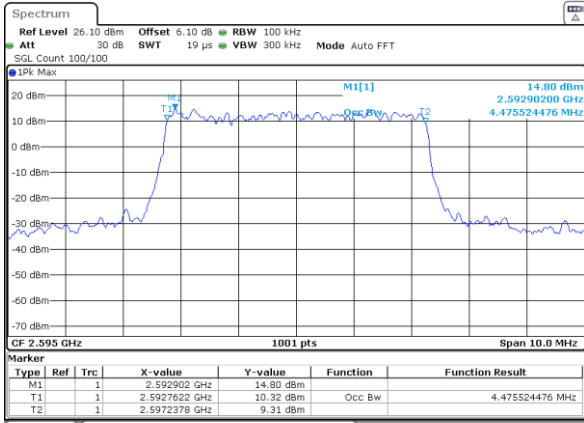
### Occupied Bandwidth

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>	4.48	4.51
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	9.01	9.05
<b>BW</b>	<b>15MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	13.49	13.46
<b>BW</b>	<b>20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	17.86	17.90



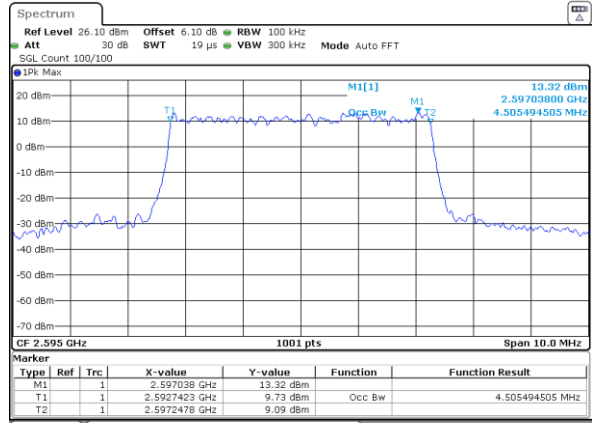
LTE Band 41

Middle Channel / 5MHz / QPSK



Date: 23\_JUL\_2025 11:08:17

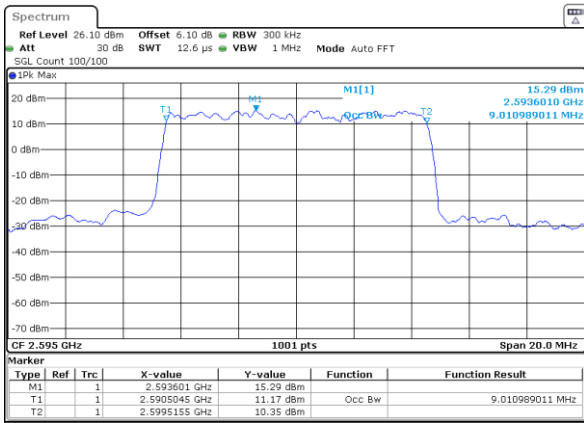
Middle Channel / 5MHz / 16QAM



Date: 23\_JUL\_2025 11:07:00

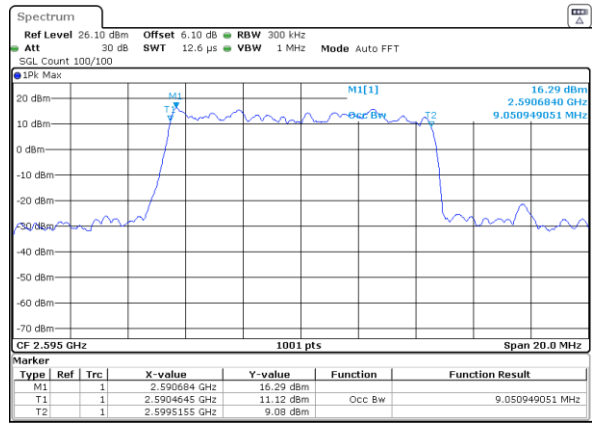
LTE Band 41

Middle Channel / 10MHz / QPSK



Date: 23\_JUL\_2025 11:05:16

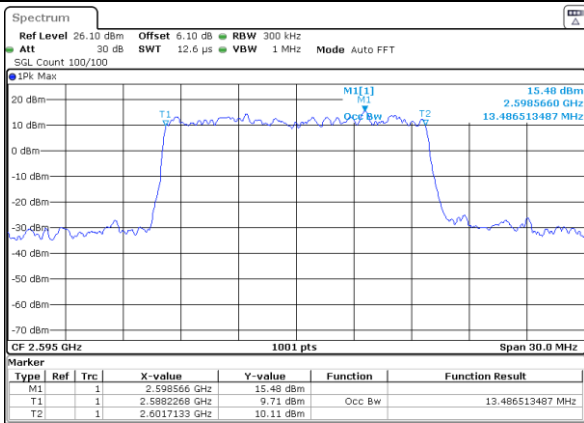
Middle Channel / 10MHz / 16QAM



Date: 23\_JUL\_2025 11:06:34

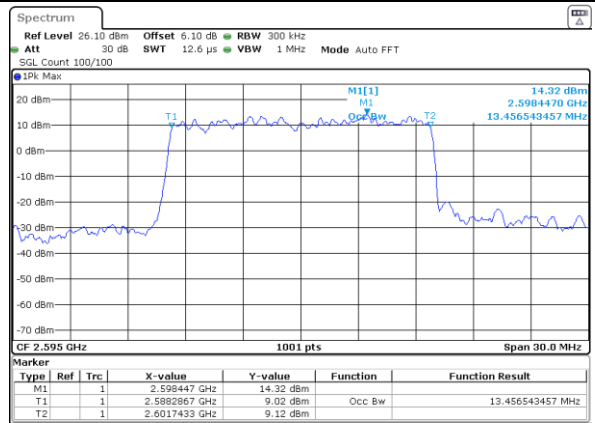
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 23\_JUL\_2025 11:04:50

Middle Channel / 15MHz / 16QAM

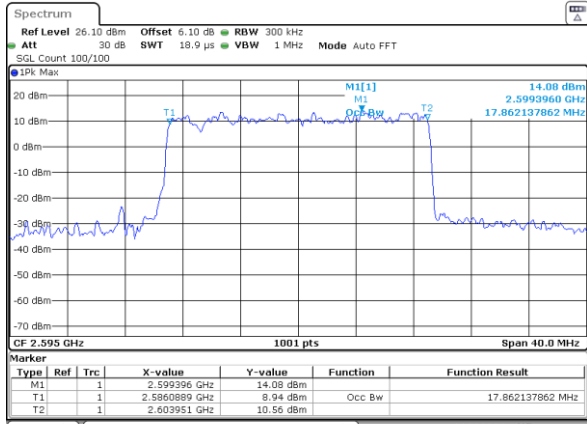


Date: 23\_JUL\_2025 11:03:33



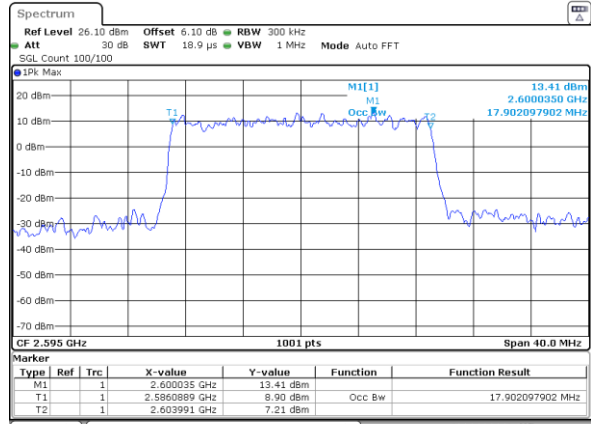
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 23\_JUL\_2025 14:38:03

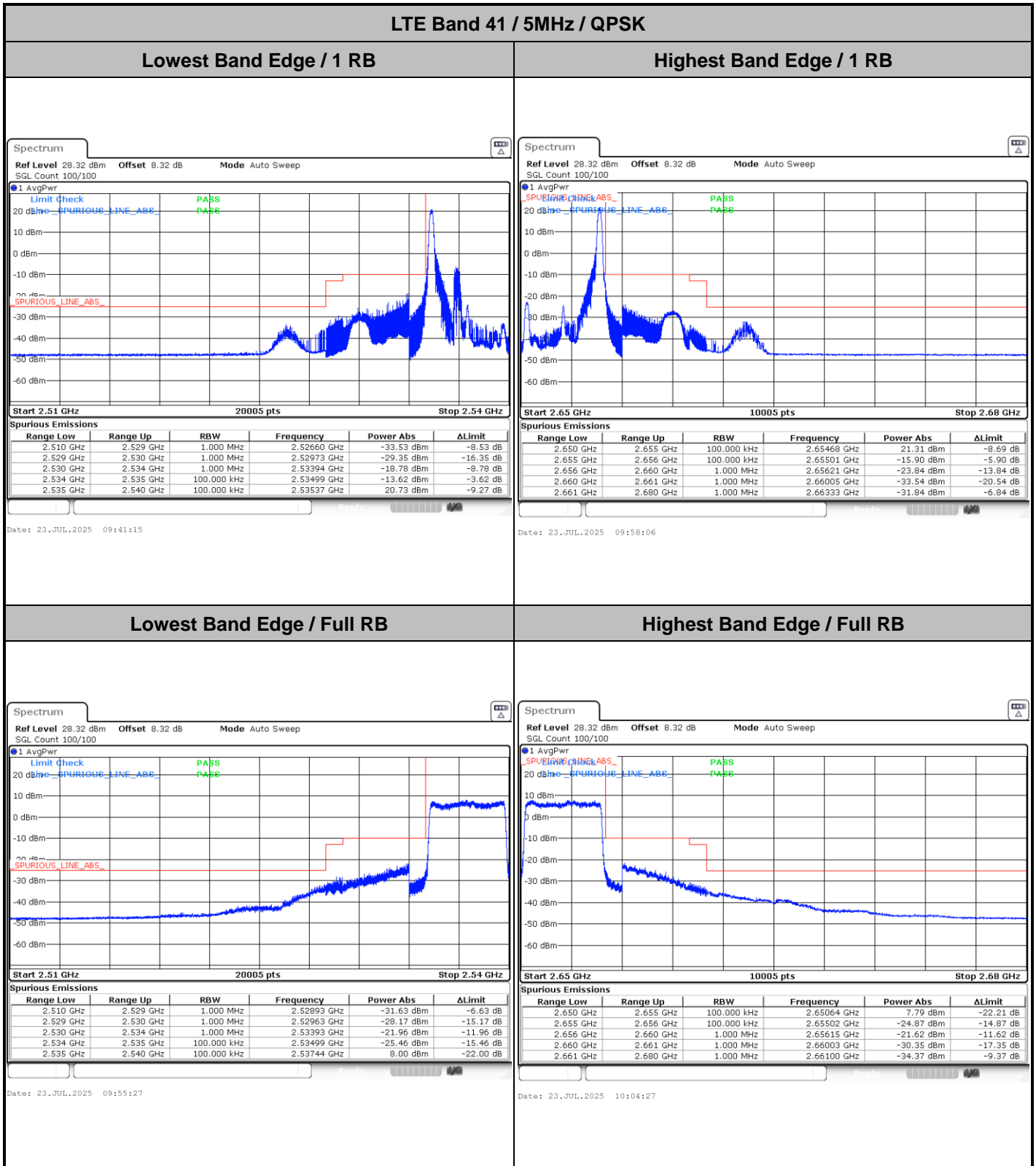
Middle Channel / 20MHz / 16QAM



Date: 23\_JUL\_2025 11:03:07



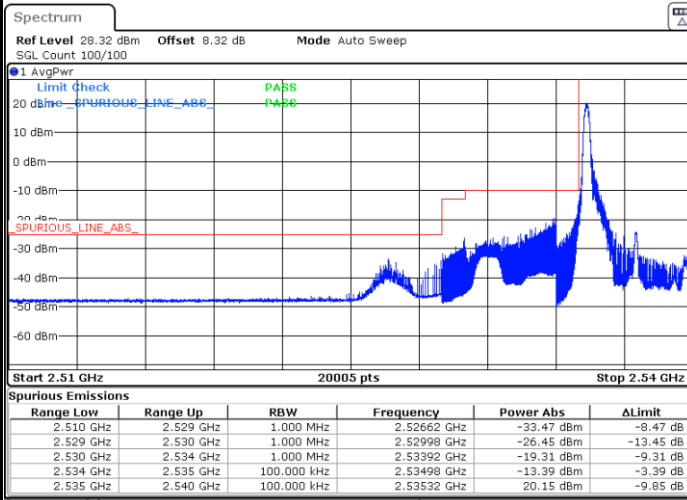
# Conducted Band Edge





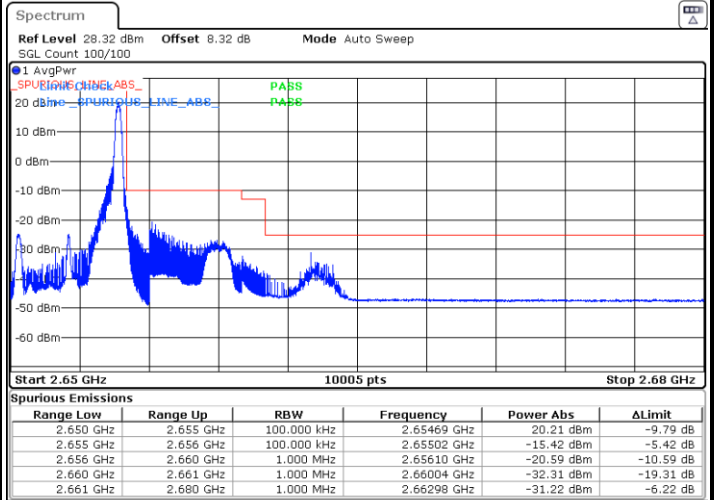
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



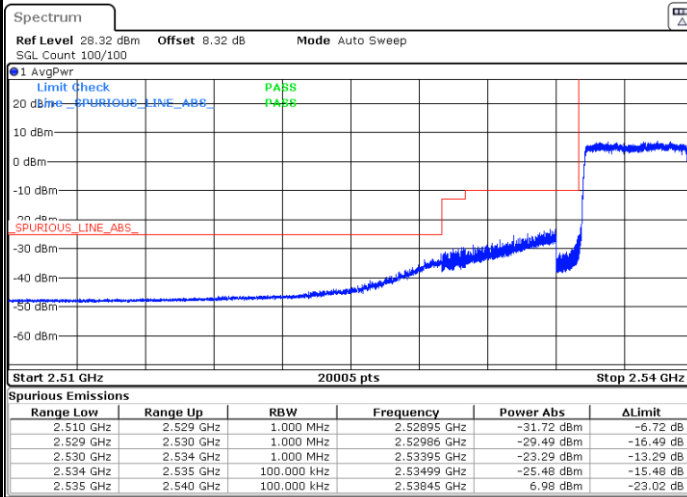
Date: 23.JUL.2025 09:45:29

Highest Band Edge / 1 RB



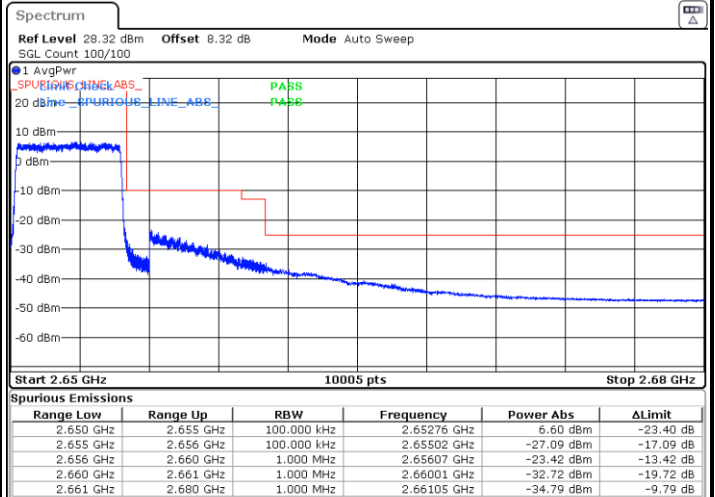
Date: 23.JUL.2025 09:59:22

Lowest Band Edge / Full RB



Date: 23.JUL.2025 09:54:09

Highest Band Edge / Full RB

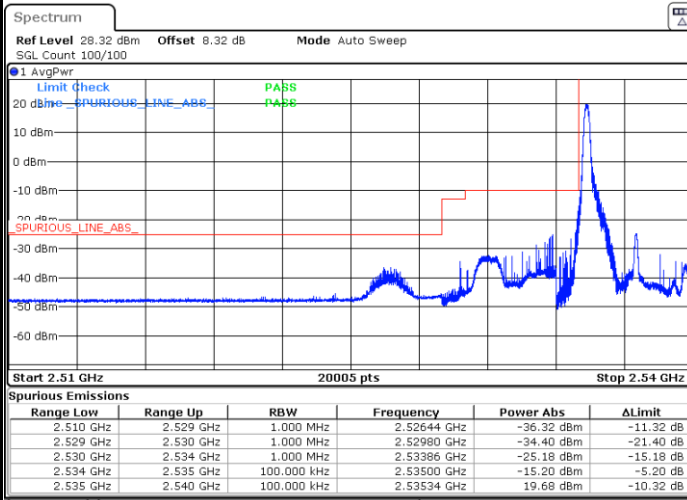


Date: 23.JUL.2025 10:03:11



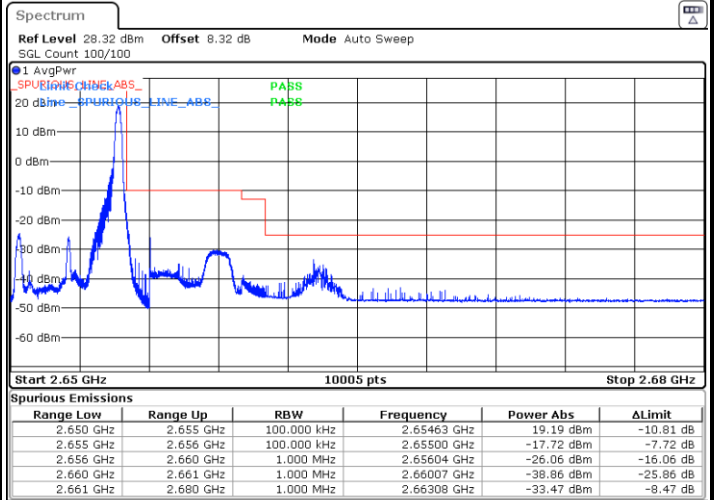
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



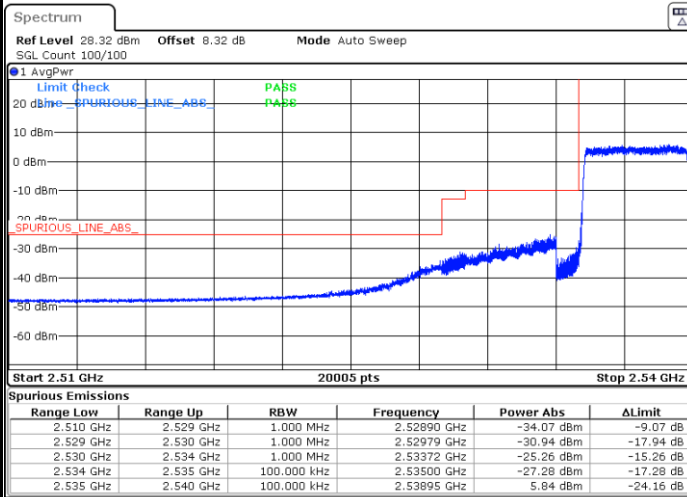
Date: 23.JUL.2025 09:50:18

Highest Band Edge / 1 RB



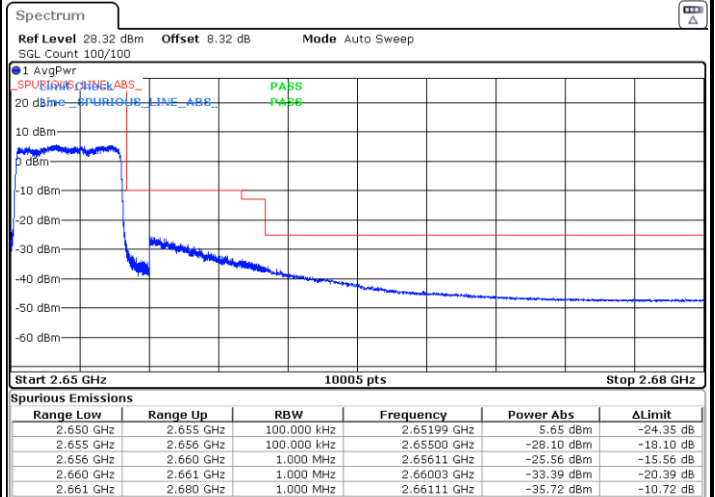
Date: 23.JUL.2025 10:00:39

Lowest Band Edge / Full RB



Date: 23.JUL.2025 09:52:52

Highest Band Edge / Full RB



Date: 23.JUL.2025 10:01:55