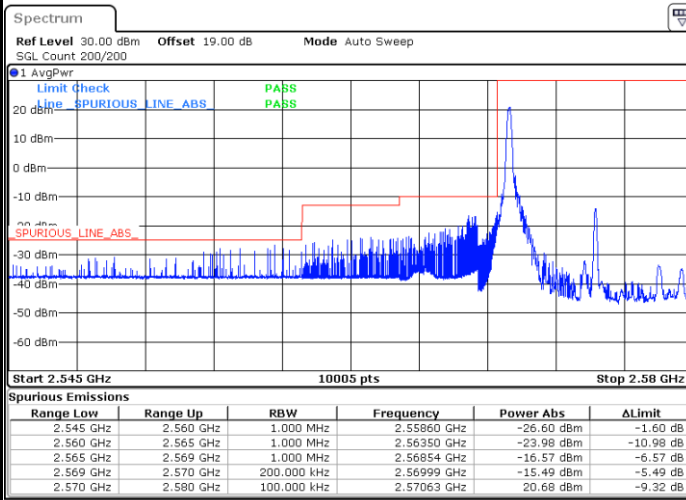


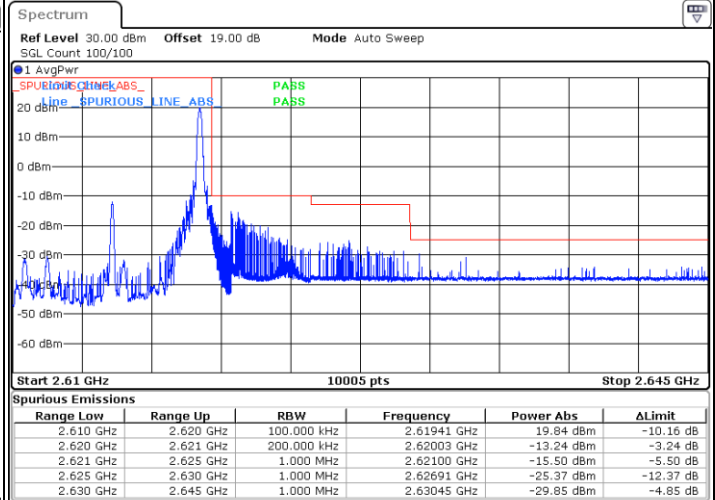


LTE Band 38 / 10MHz / QPSK

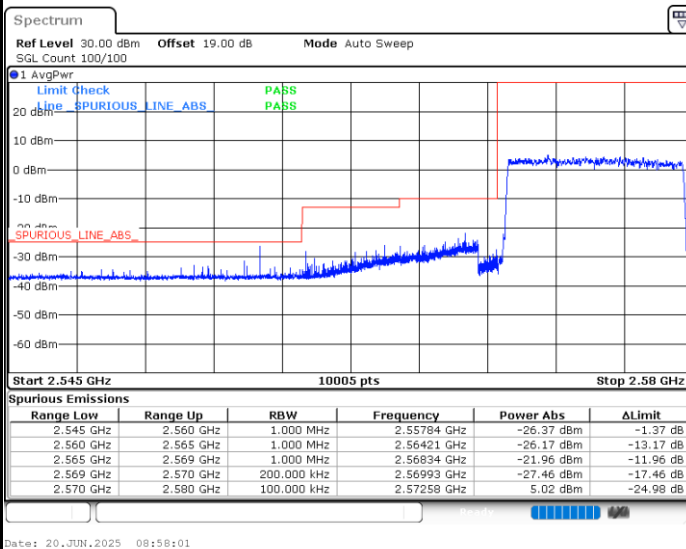
Lowest Band Edge / 1 RB



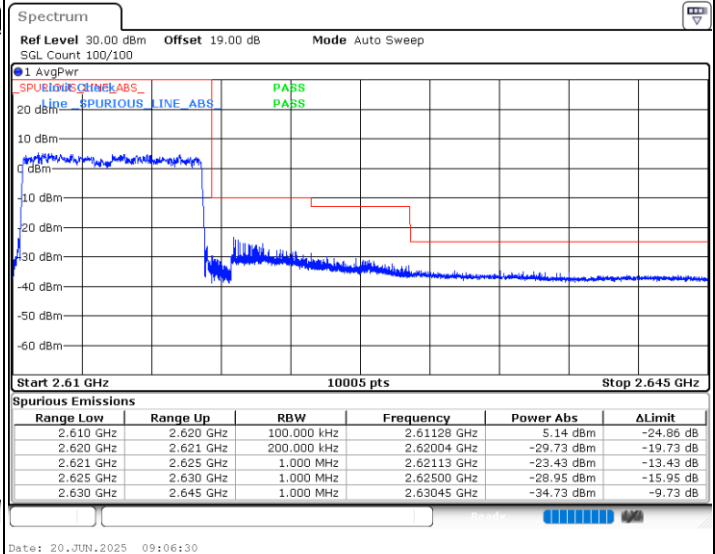
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



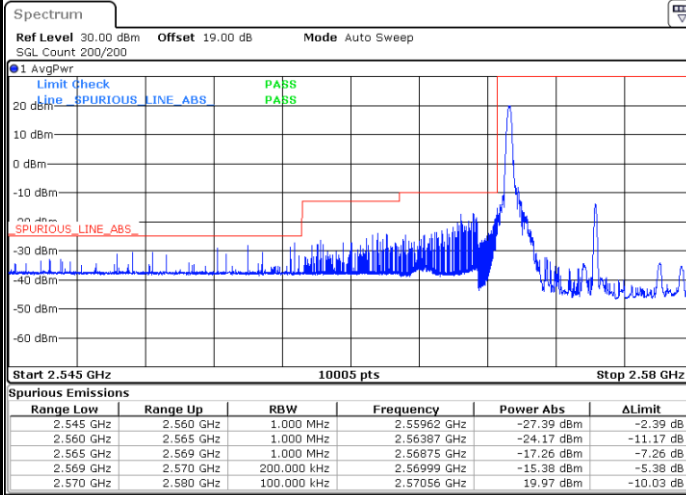
Highest Band Edge / Full RB



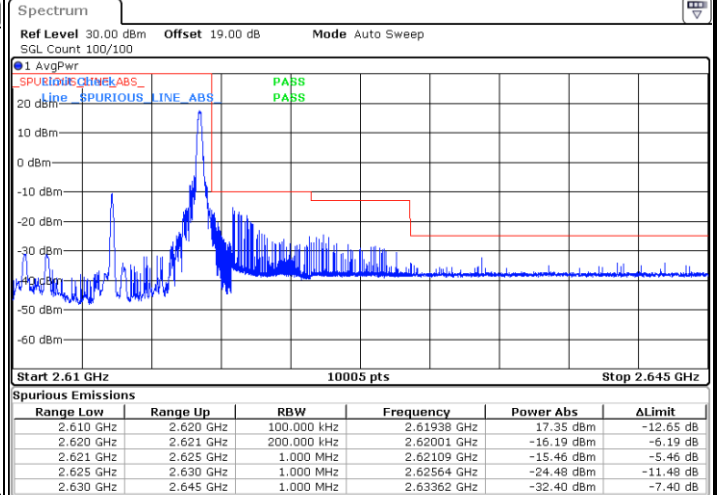


LTE Band 38 / 10MHz / 16QAM

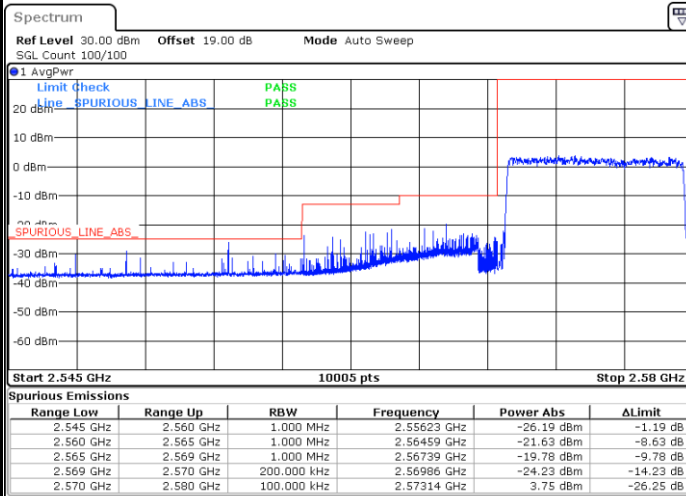
Lowest Band Edge / 1RB



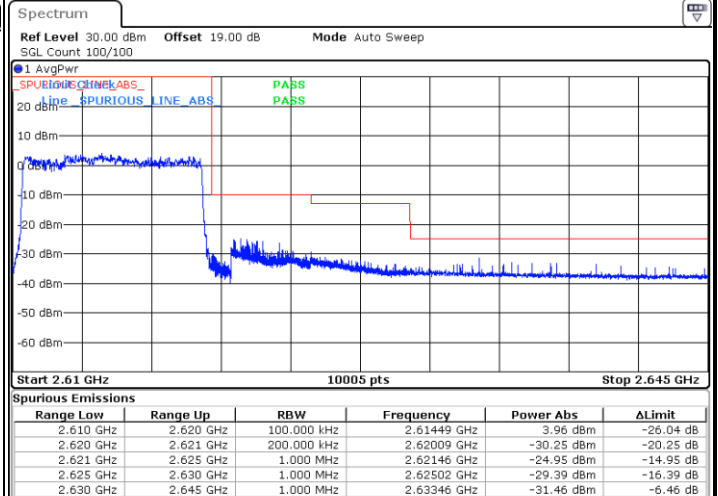
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



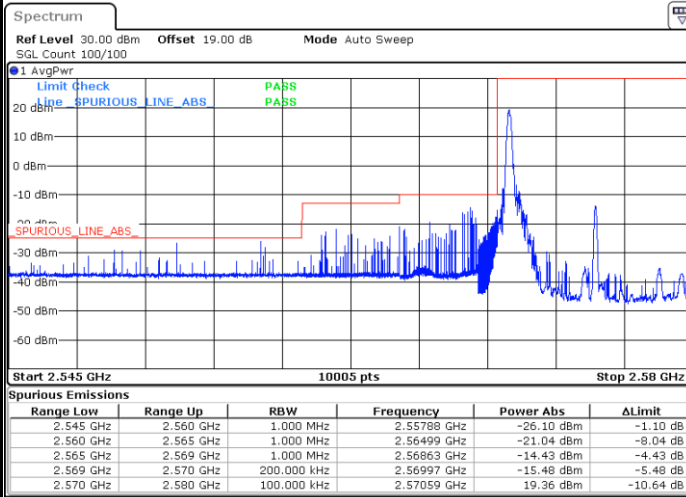
Highest Band Edge / Full RB



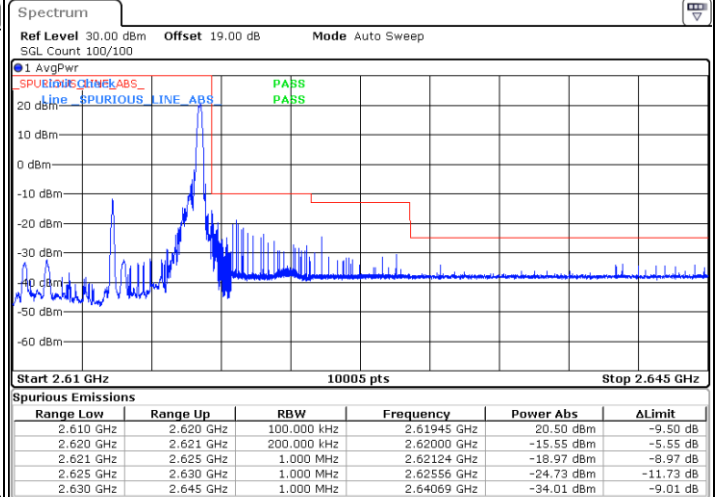


LTE Band 38 / 10MHz / 64QAM

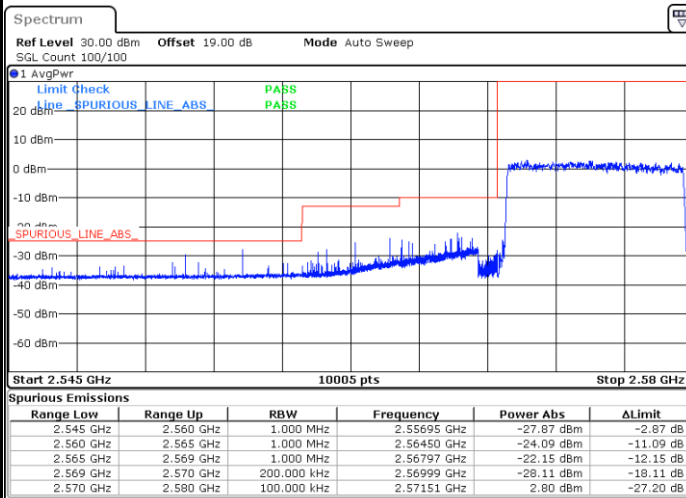
Lowest Band Edge / 1RB



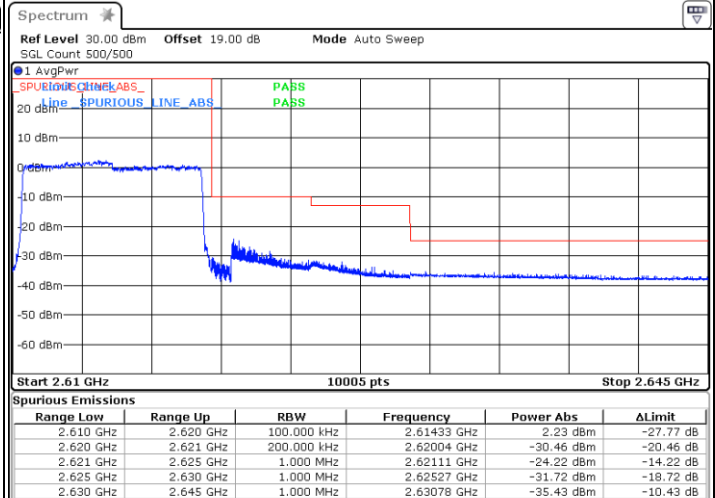
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



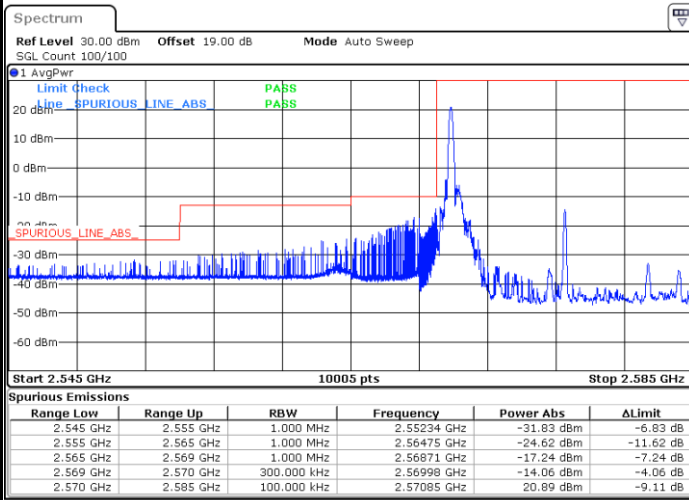
Highest Band Edge / Full RB



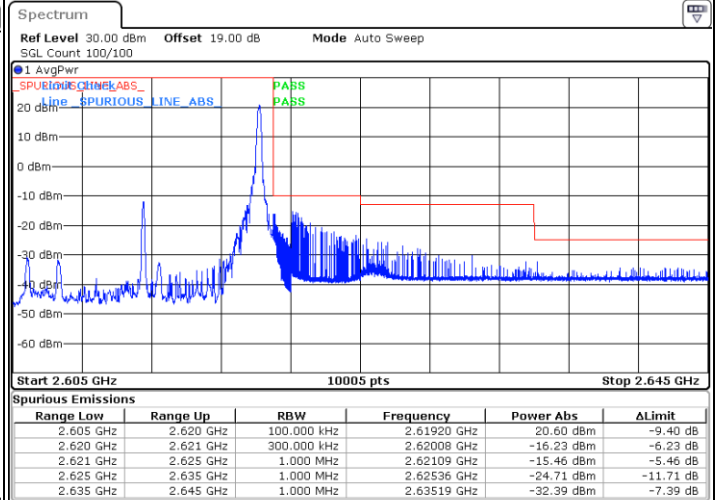


LTE Band 38 / 15MHz / QPSK

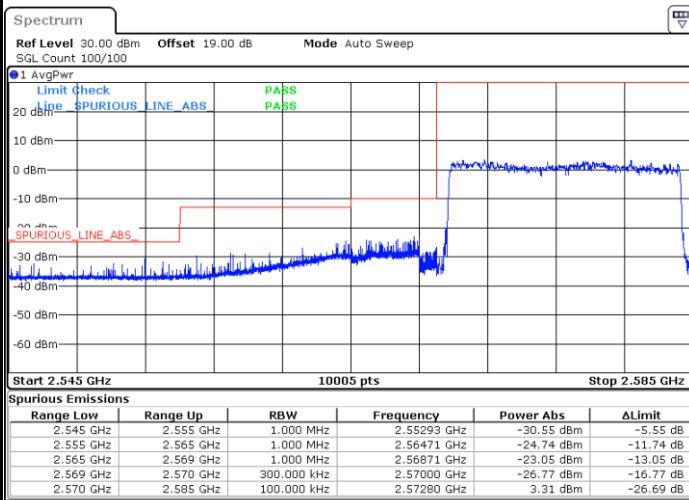
Lowest Band Edge / 1 RB



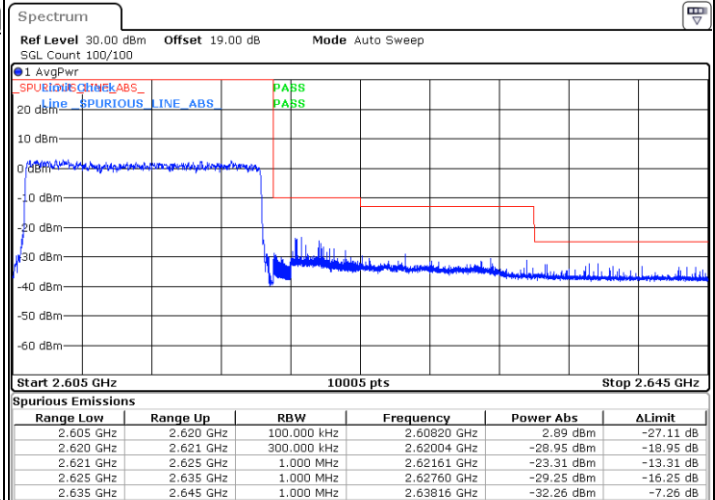
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



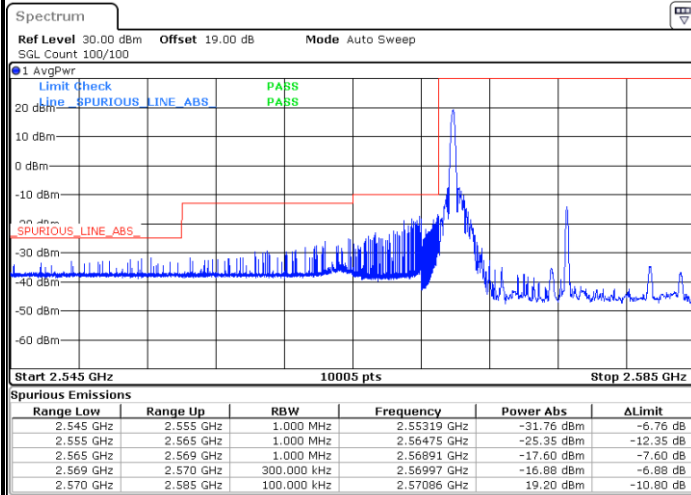
Highest Band Edge / Full RB





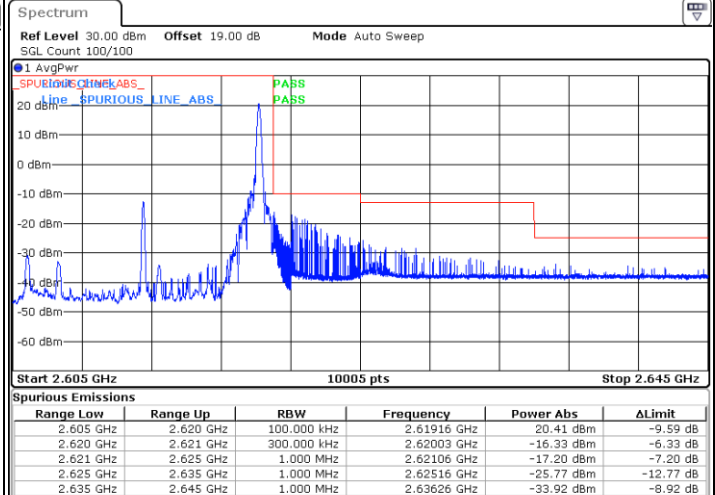
LTE Band 38 / 15MHz / 16QAM

Lowest Band Edge / 1RB



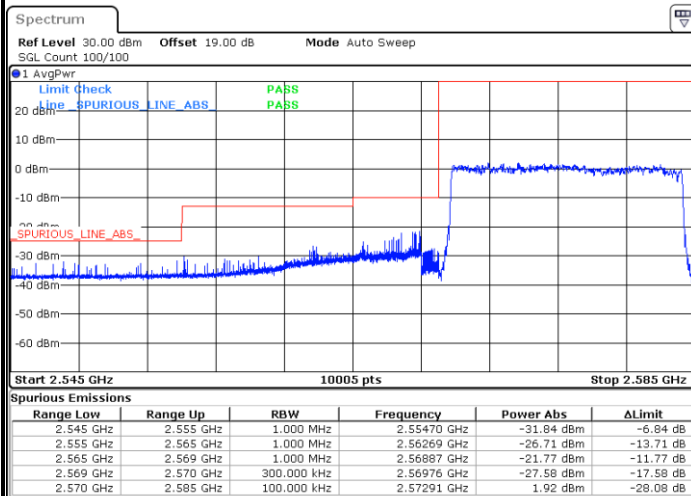
Date: 20.JUN.2025 09:17:13

Highest Band Edge / 1 RB



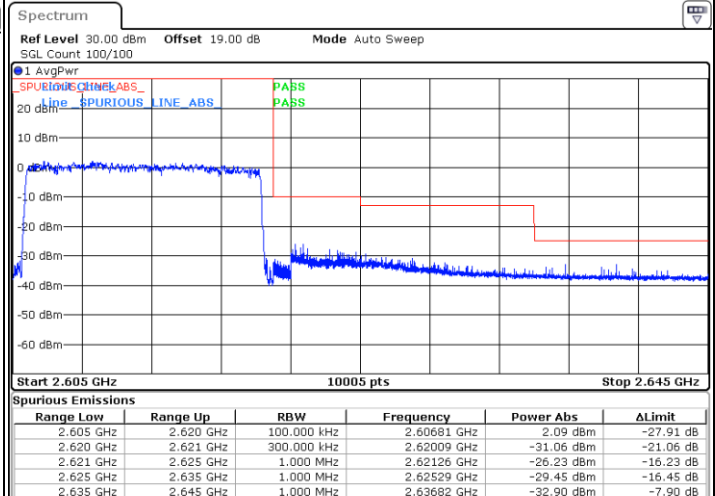
Date: 20.JUN.2025 09:26:56

Lowest Band Edge / Full RB



Date: 20.JUN.2025 09:15:58

Highest Band Edge / Full RB

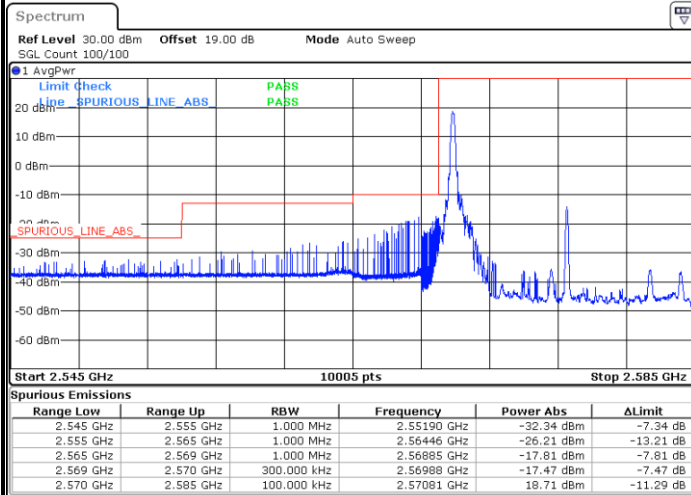


Date: 20.JUN.2025 09:25:16

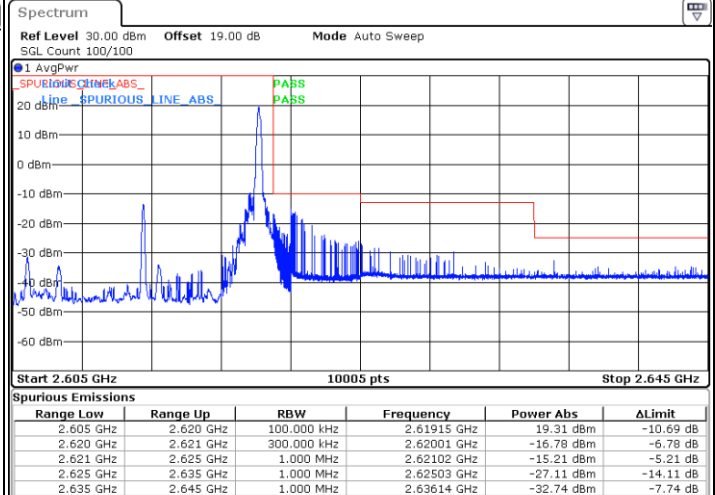


LTE Band 38 / 15MHz / 64QAM

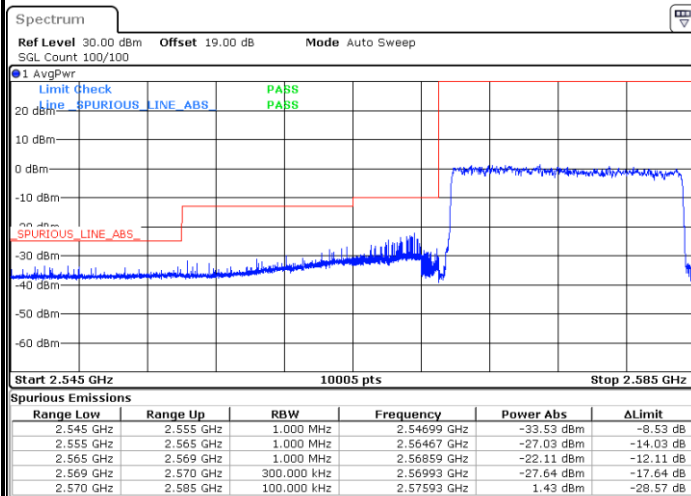
Lowest Band Edge / 1RB



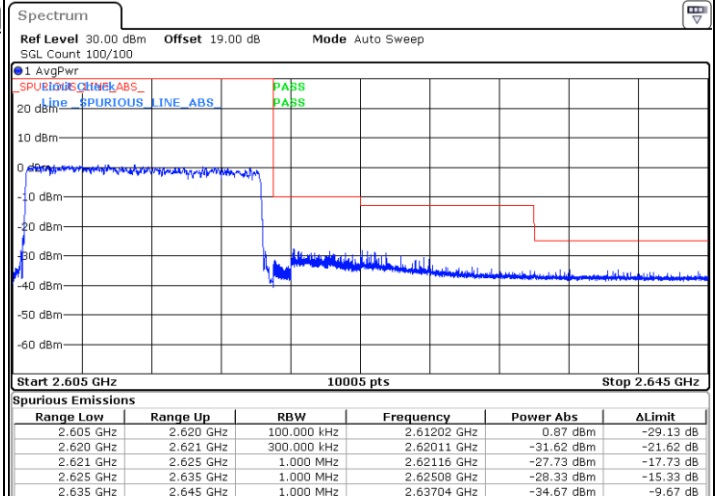
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



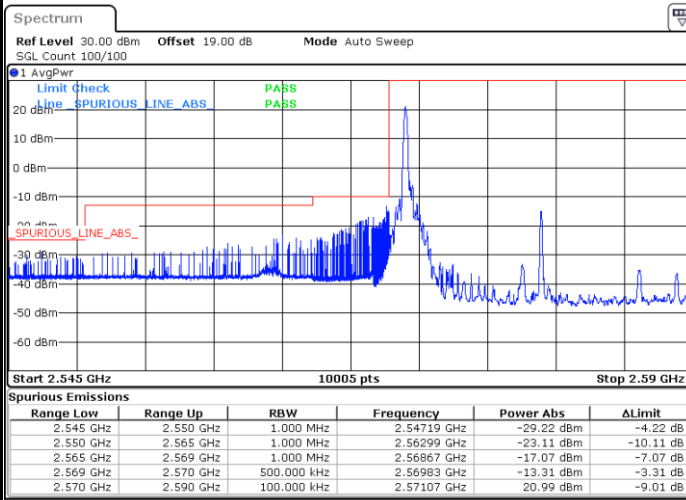
Highest Band Edge / Full RB



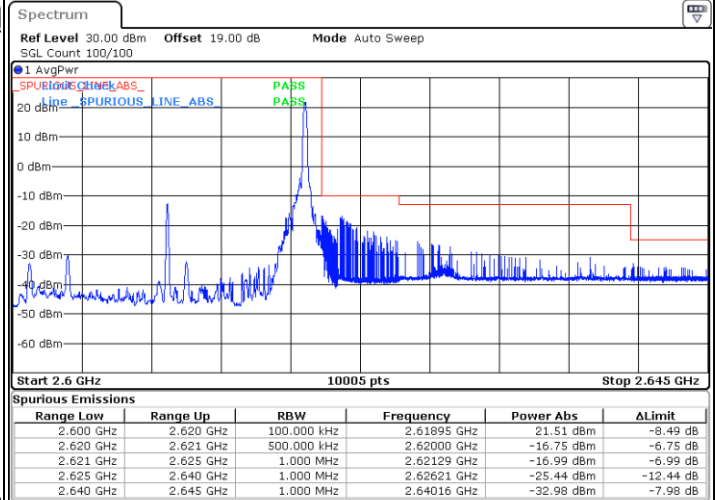


LTE Band 38 / 20MHz / QPSK

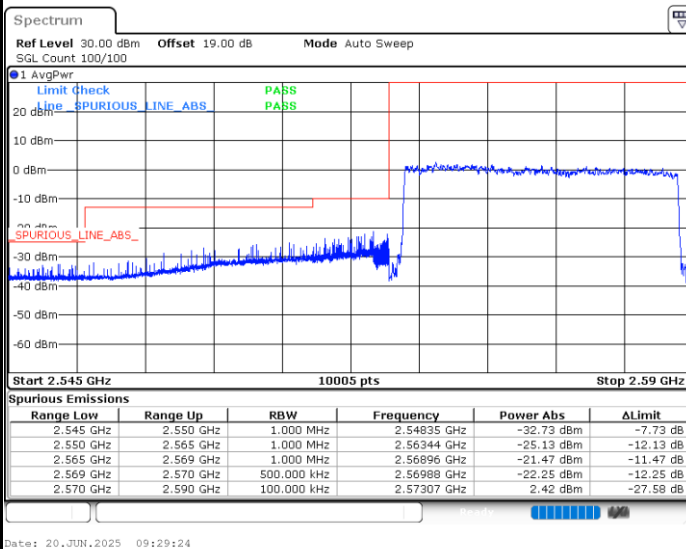
Lowest Band Edge / 1 RB



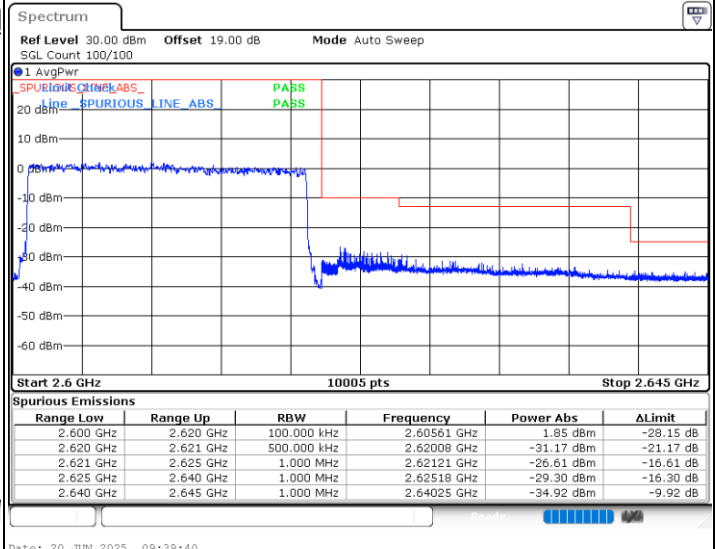
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



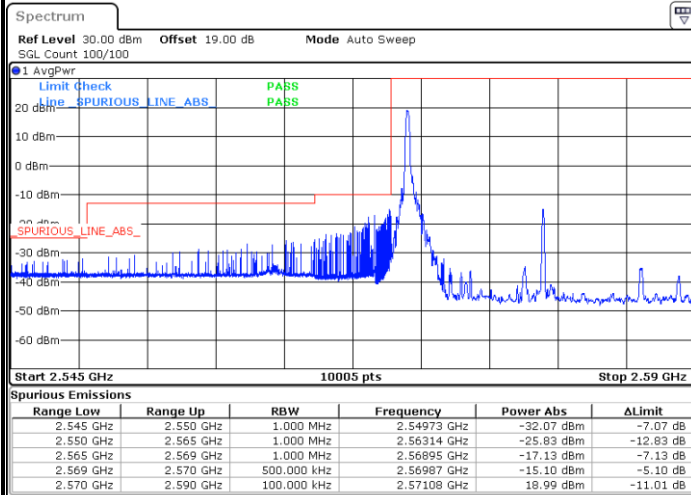
Highest Band Edge / Full RB



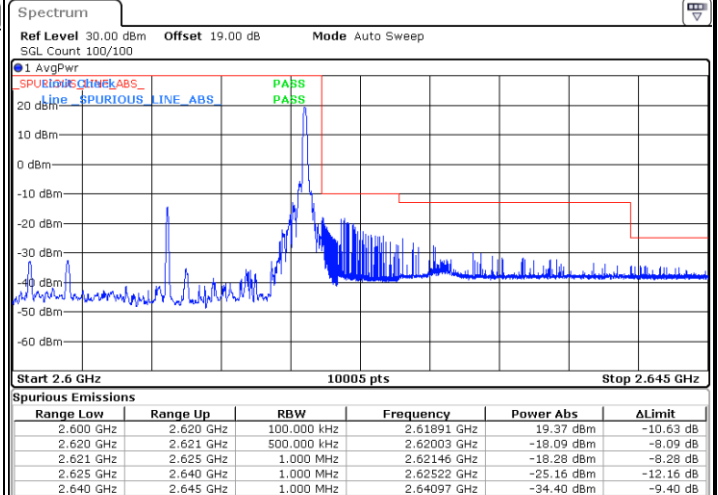


LTE Band 38 / 20MHz / 16QAM

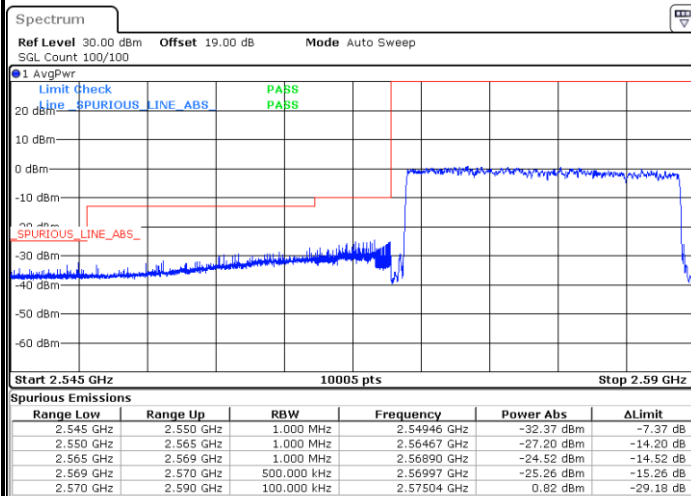
Lowest Band Edge / 1RB



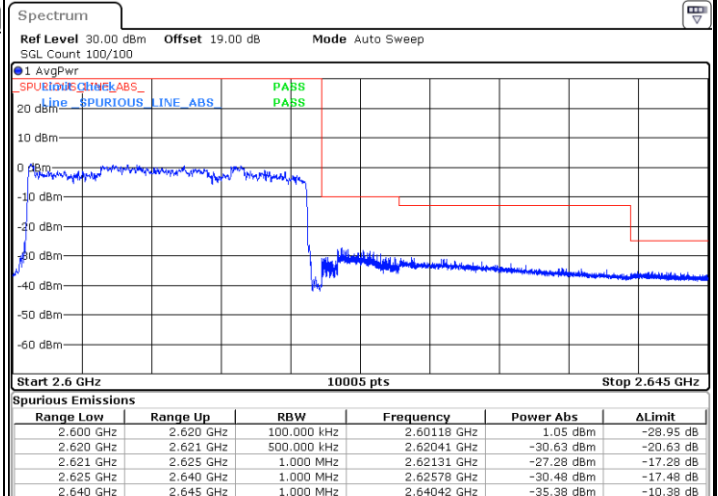
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



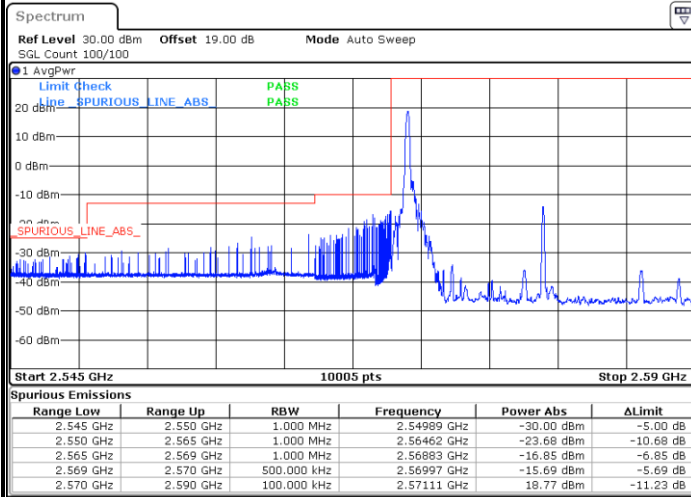
Highest Band Edge / Full RB



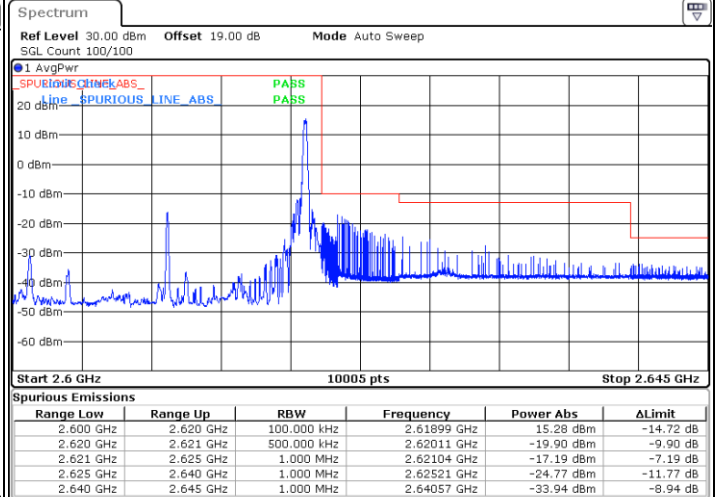


LTE Band 38 / 20MHz / 64QAM

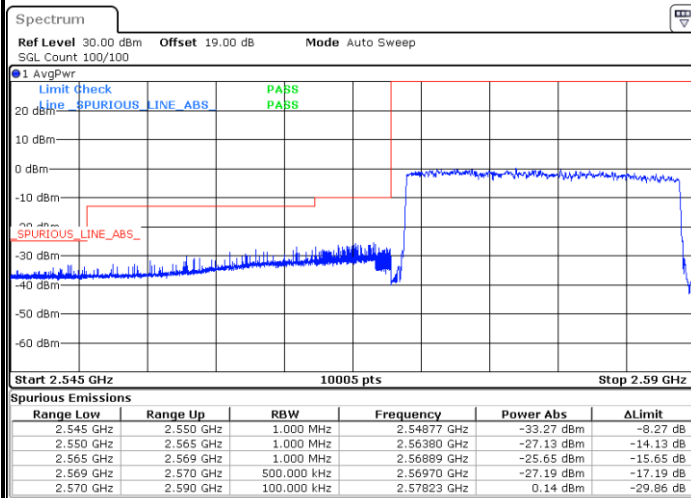
Lowest Band Edge / 1RB



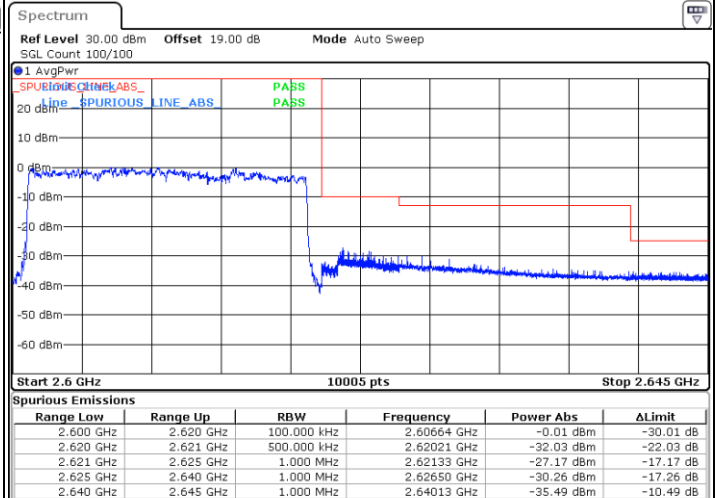
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

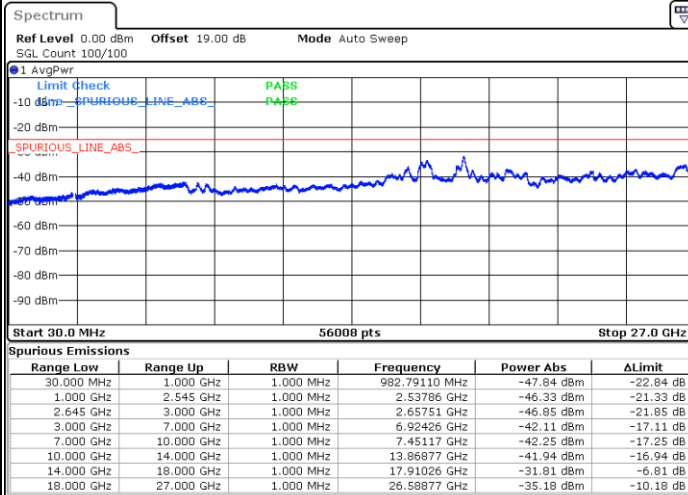




Conducted Spurious Emission

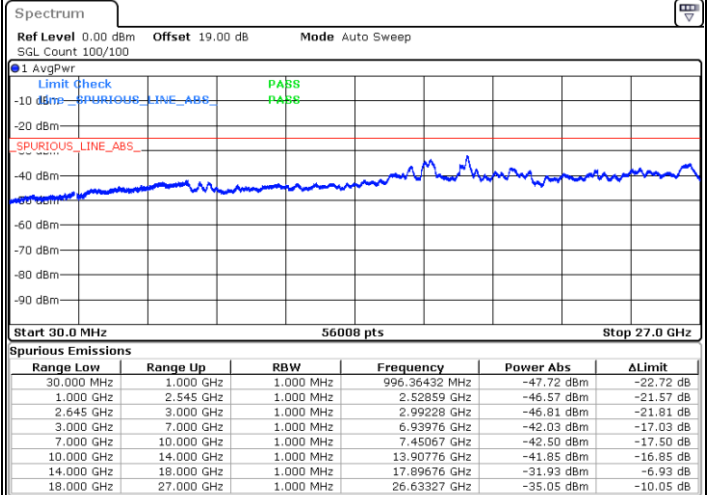
LTE Band 38 / 5MHz

Lowest Channel / QPSK



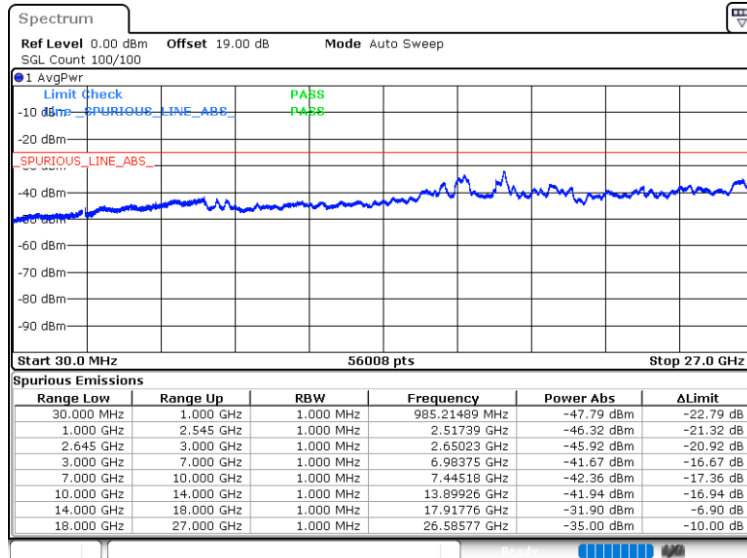
Date: 20.JUN.2025 08:45:12

Middle Channel / QPSK



Date: 20.JUN.2025 08:50:00

Highest Channel / QPSK

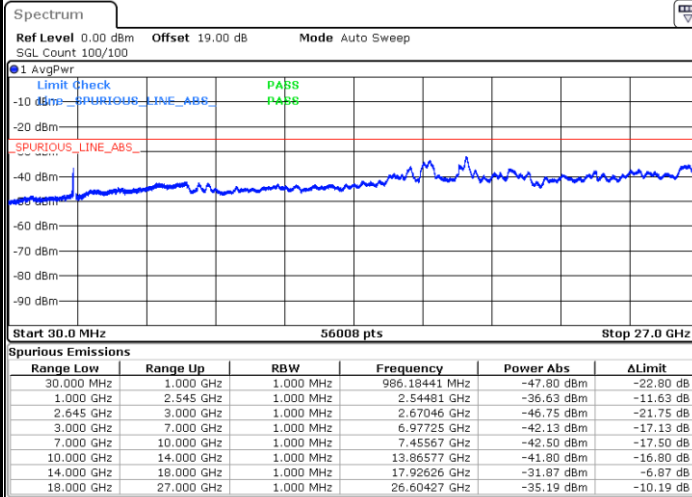


Date: 20.JUN.2025 08:51:12



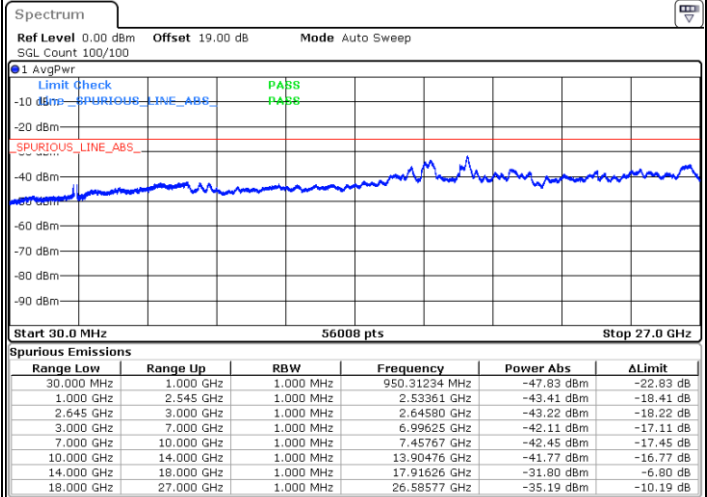
LTE Band 38 / 10MHz

Lowest Channel / QPSK



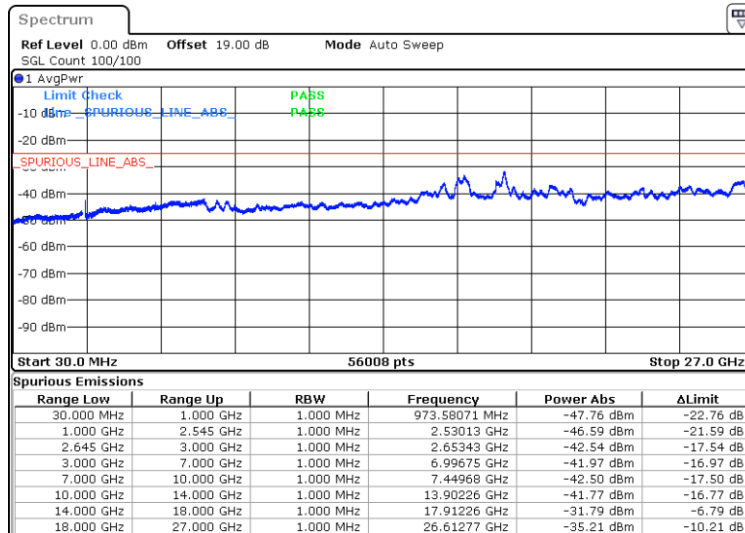
Date: 20 JUN 2025 09:01:18

Middle Channel / QPSK



Date: 20 JUN 2025 09:03:38

Highest Channel / QPSK

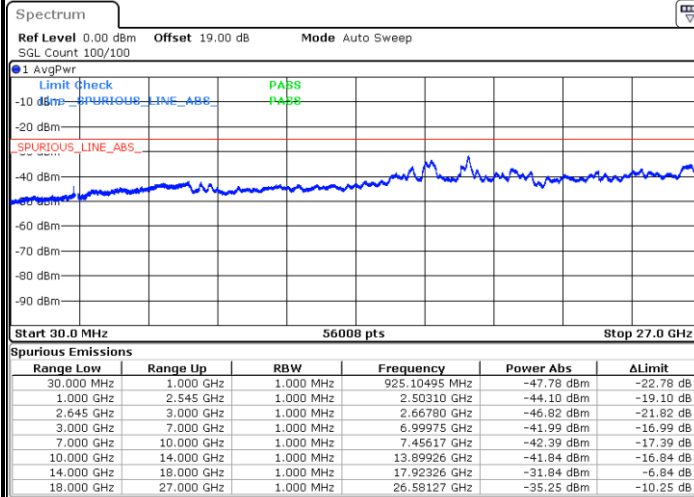


Date: 20 JUN 2025 09:14:04



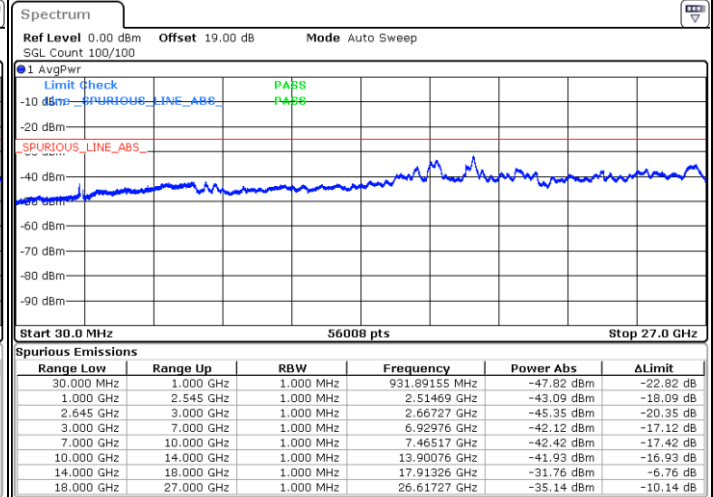
LTE Band 38 / 15MHz

Lowest Channel / QPSK



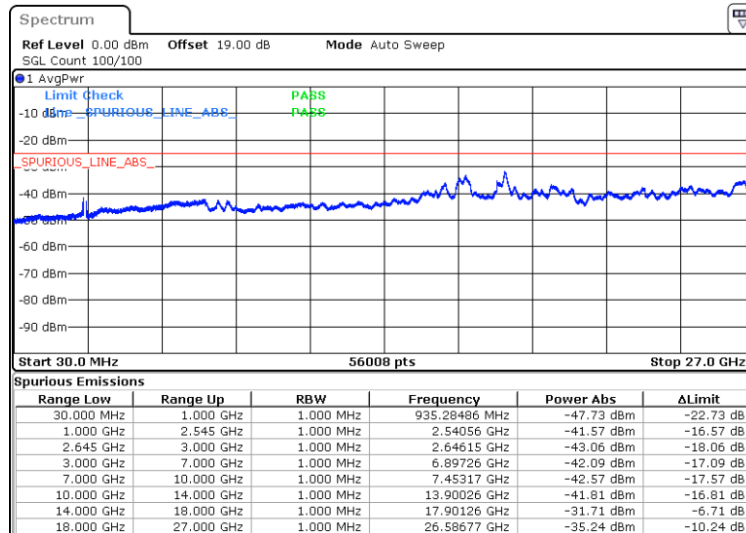
Date: 20.JUN.2025 09:19:50

Middle Channel / QPSK



Date: 20.JUN.2025 09:22:16

Highest Channel / QPSK

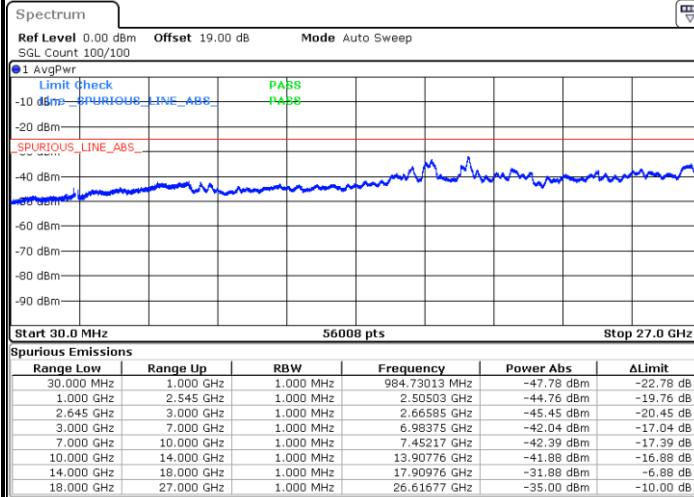


Date: 20.JUN.2025 09:28:14



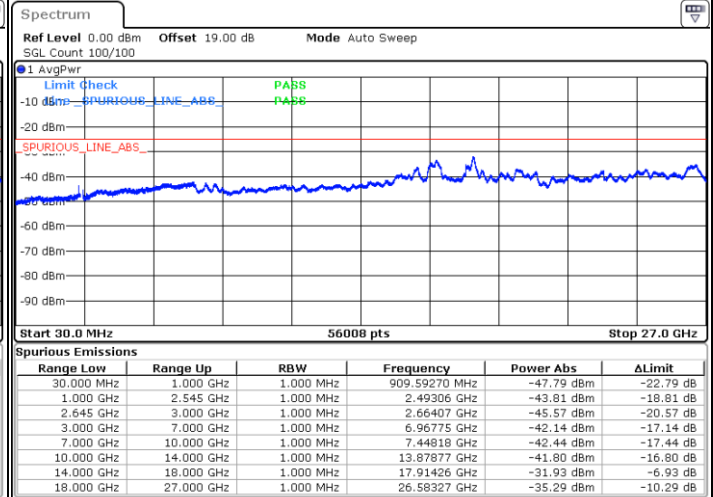
LTE Band 38 / 20MHz

Lowest Channel / QPSK



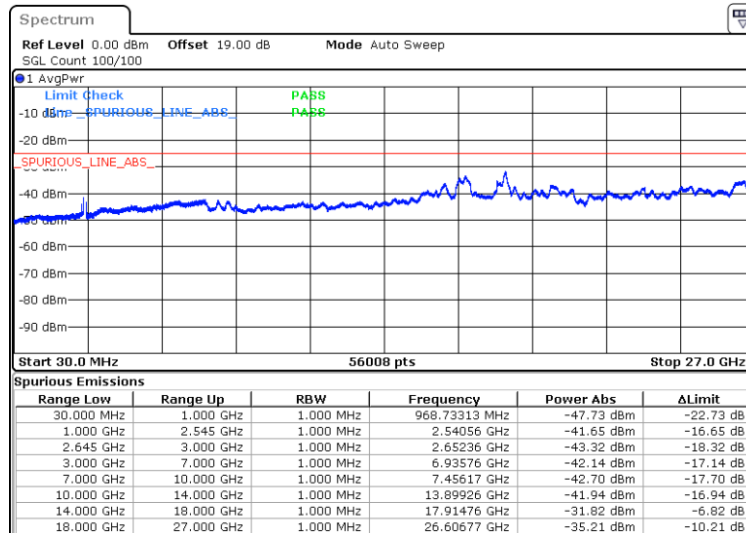
Date: 20 JUN 2025 09:33:15

Middle Channel / QPSK



Date: 20 JUN 2025 09:35:15

Highest Channel / QPSK



Date: 20 JUN 2025 09:40:56

Frequency Stability

Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	Note 2.
		Frequency Offset (Δf) (Hz)	Result
50	Normal Voltage	3.5	PASS
40	Normal Voltage	2.8	
30	Normal Voltage	-3.3	
20(Ref.)	Normal Voltage	2.5	
10	Normal Voltage	3.2	
0	Normal Voltage	-2.7	
-10	Normal Voltage	2.9	
-20	Normal Voltage	1.8	
-30	Normal Voltage	-2.4	
20	Maximum Voltage	3.7	
20	Normal Voltage	2.5	
20	Battery End Point	2.8	

Note:

1. Normal Voltage = 3.85 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.3 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

$$|\text{MAX}(\Delta f)| = 3.7\text{Hz}$$

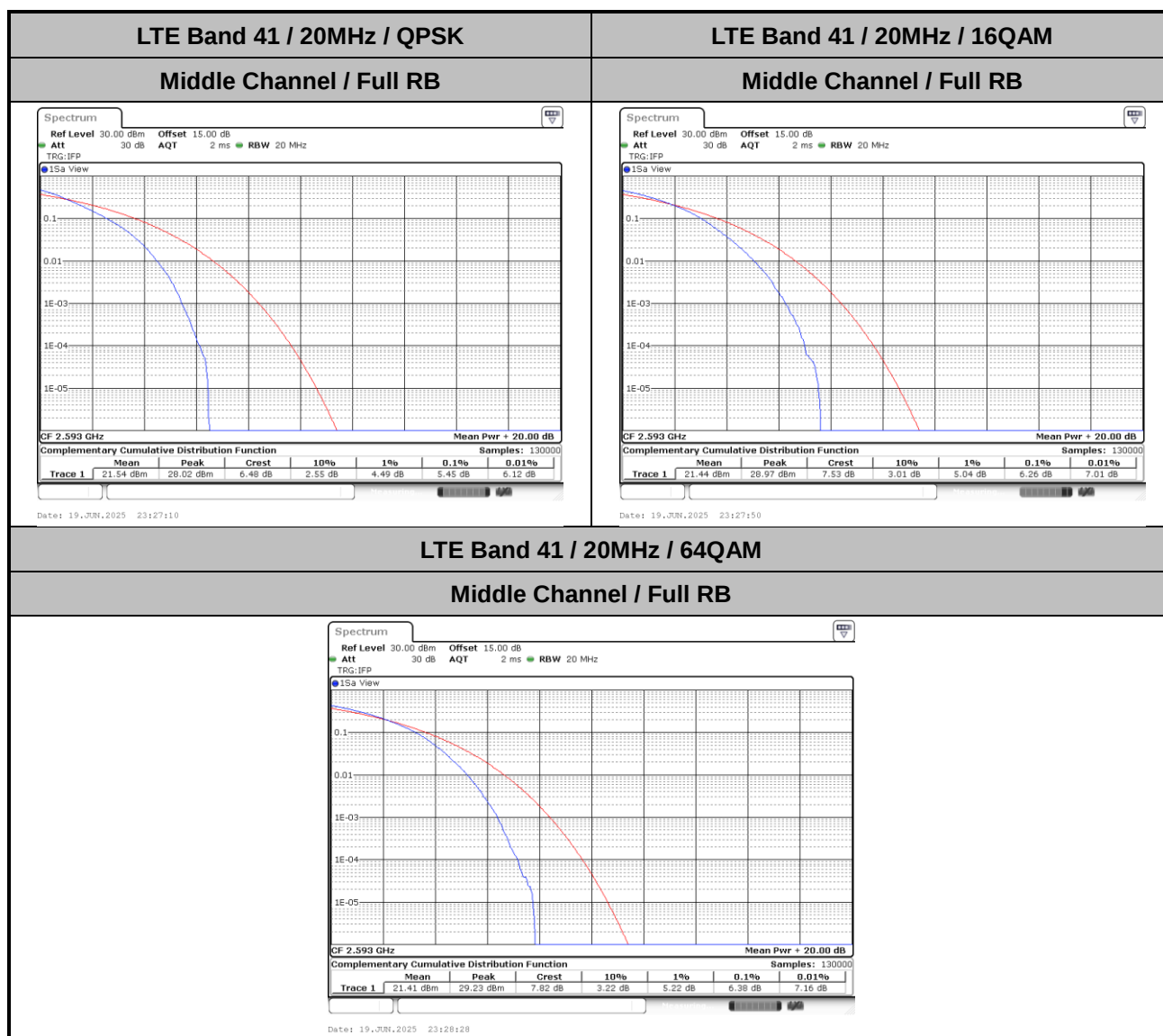
Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	2570.242296	$\geq 2570 \text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	2619.757704	$\leq 2620 \text{ MHz}$	



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	5.45	6.26	6.38	PASS



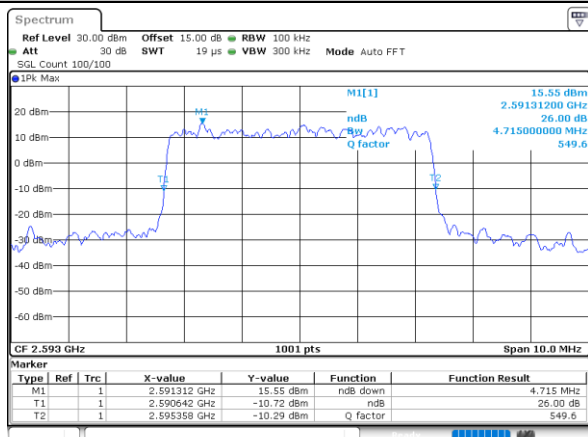


26dB Bandwidth

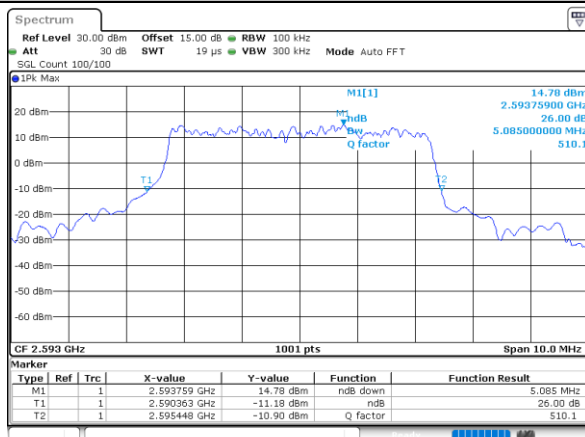
Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.72	5.09	9.63	9.69	14.21	14.39	18.70	19.06

LTE Band 41

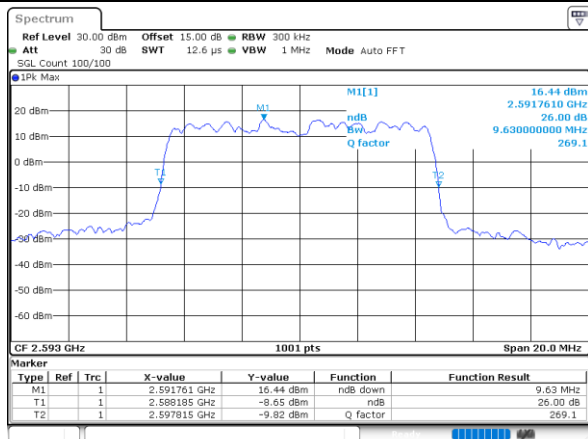
Middle Channel / 5MHz / QPSK



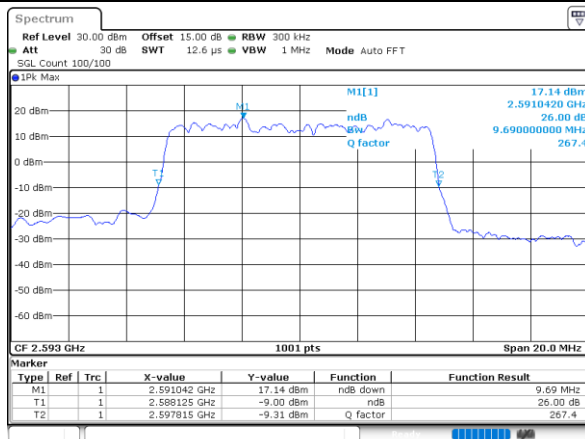
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK



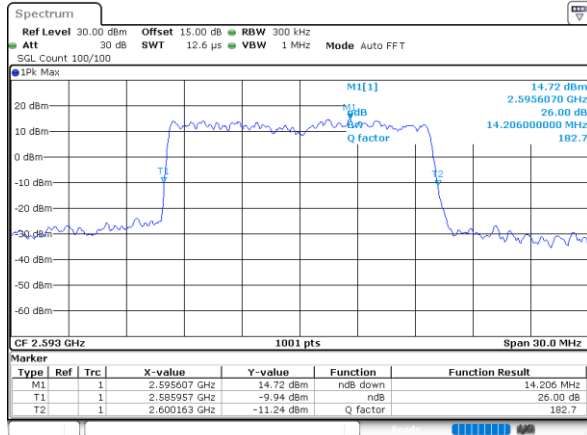
Middle Channel / 10MHz / 16QAM





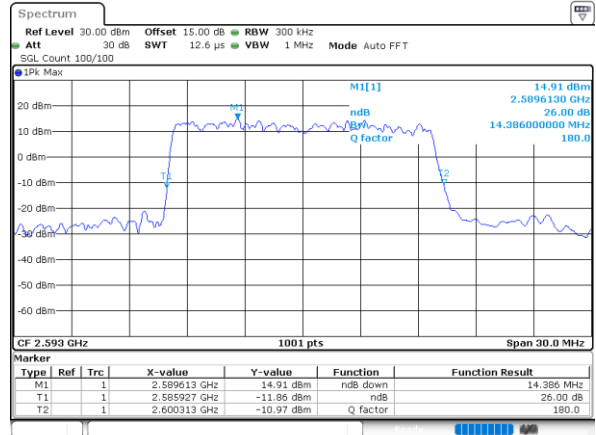
LTE Band 41

Middle Channel / 15MHz / QPSK



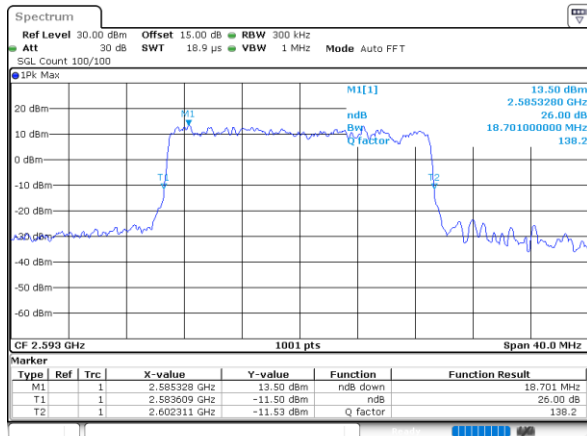
Date: 19 JUN 2025 22:47:16

Middle Channel / 15MHz / 16QAM



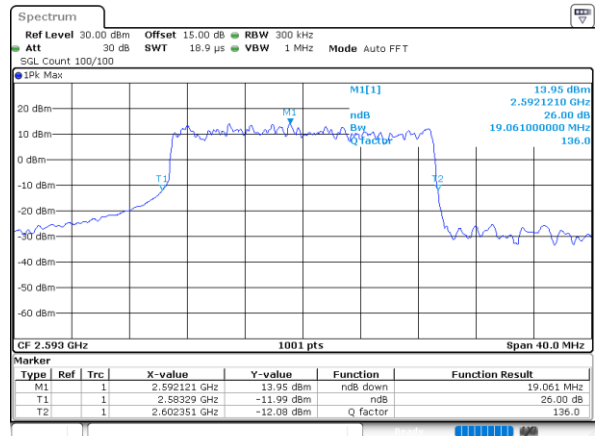
Date: 19 JUN 2025 22:48:45

Middle Channel / 20MHz / QPSK



Date: 19 JUN 2025 23:06:31

Middle Channel / 20MHz / 16QAM

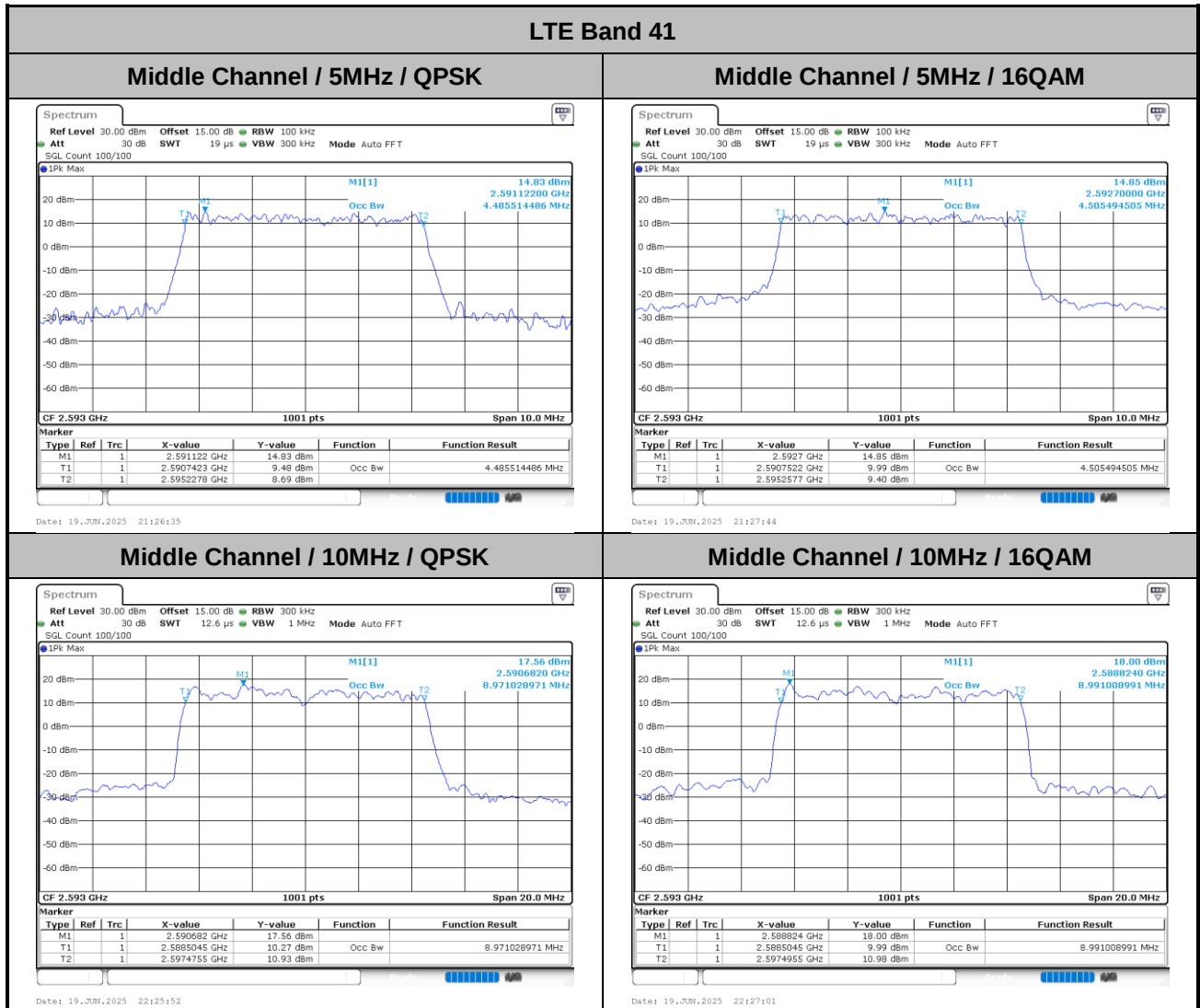


Date: 19 JUN 2025 23:08:10



Occupied Bandwidth

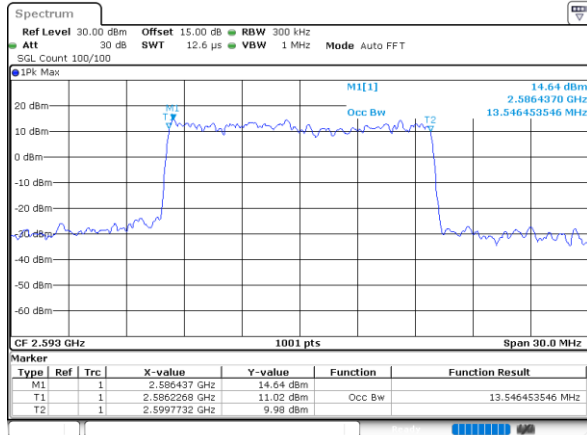
Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.49	4.51	8.97	8.99	13.55	13.46	17.78	17.86





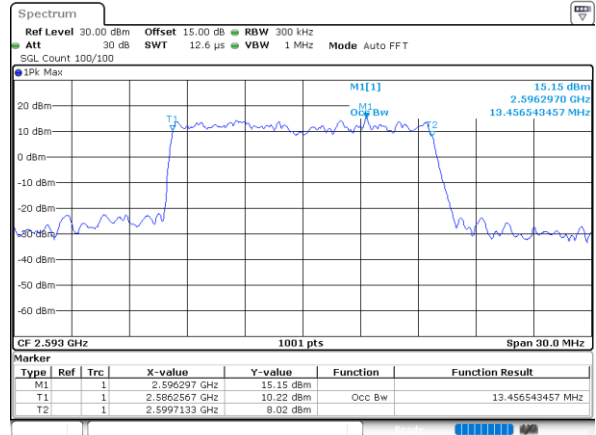
LTE Band 41

Middle Channel / 15MHz / QPSK



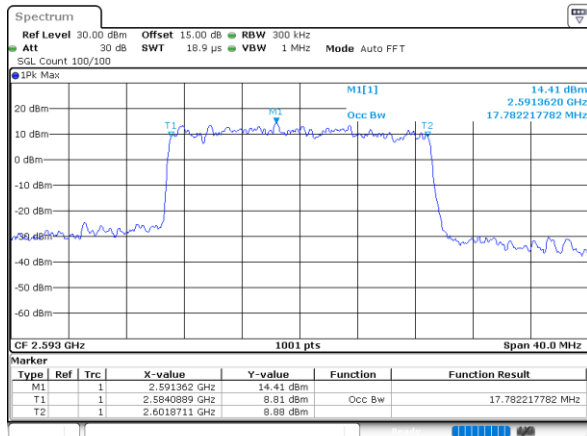
Date: 19 JUN 2025 22:46:22

Middle Channel / 15MHz / 16QAM



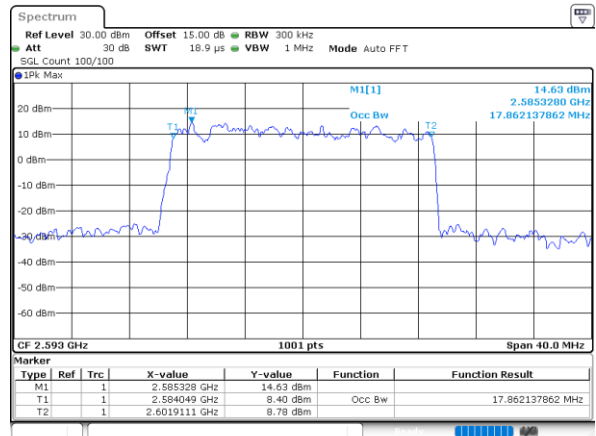
Date: 19 JUN 2025 22:48:16

Middle Channel / 20MHz / QPSK



Date: 19 JUN 2025 23:05:45

Middle Channel / 20MHz / 16QAM



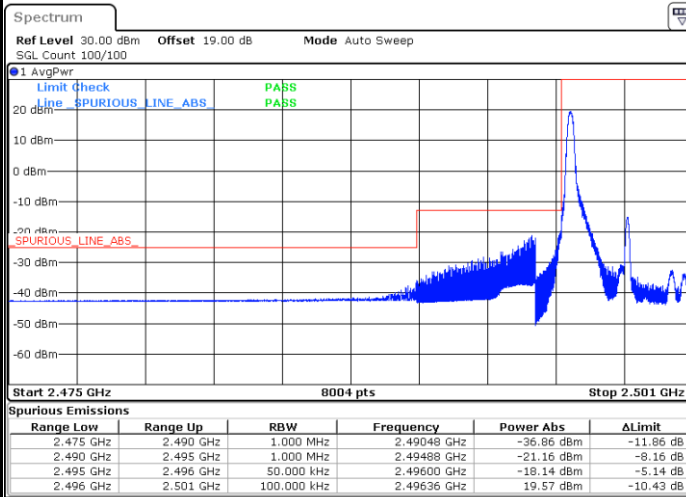
Date: 19 JUN 2025 23:07:31



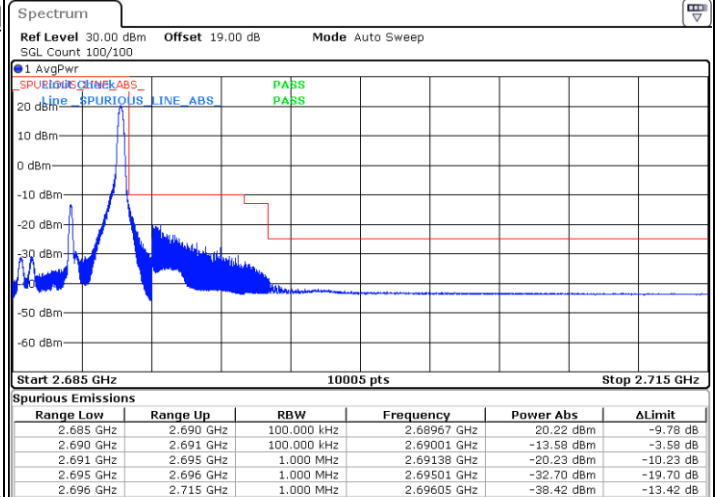
Conducted Band Edge

LTE Band 41 / 5MHz / QPSK

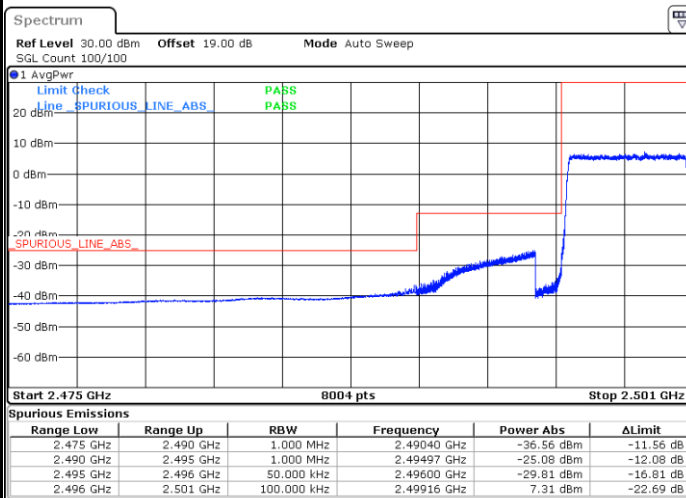
Lowest Band Edge / 1 RB



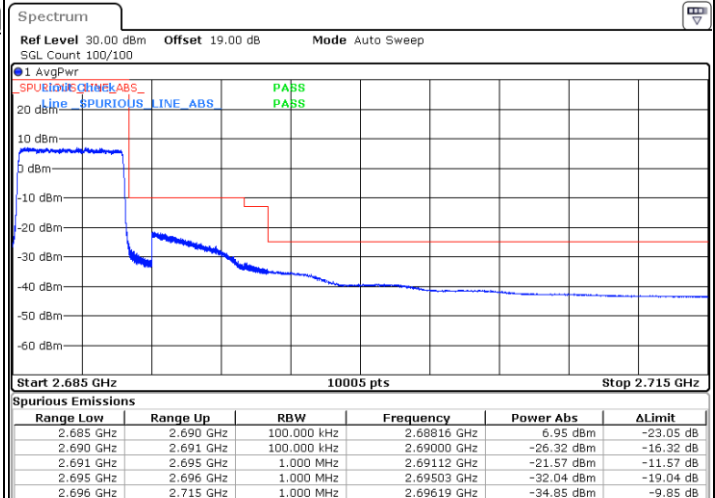
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



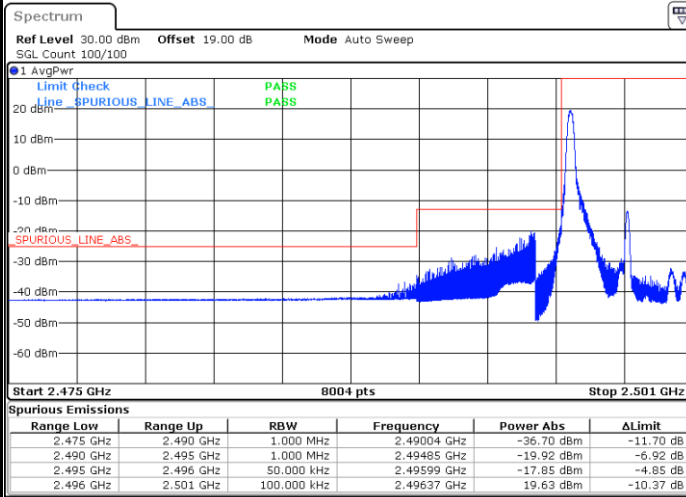
Highest Band Edge / Full RB





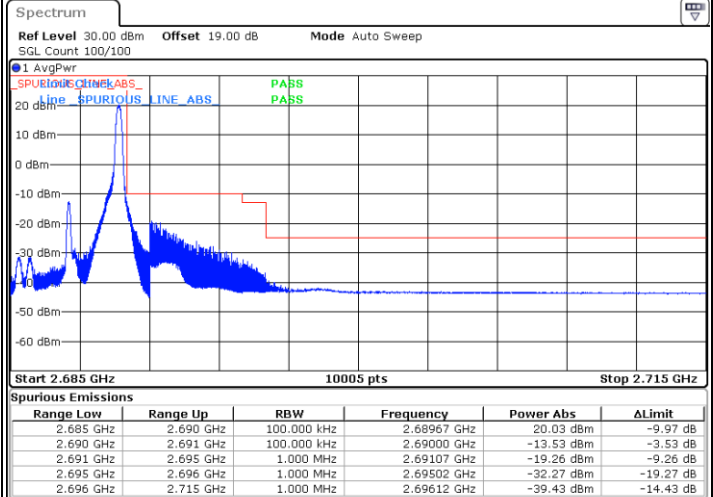
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



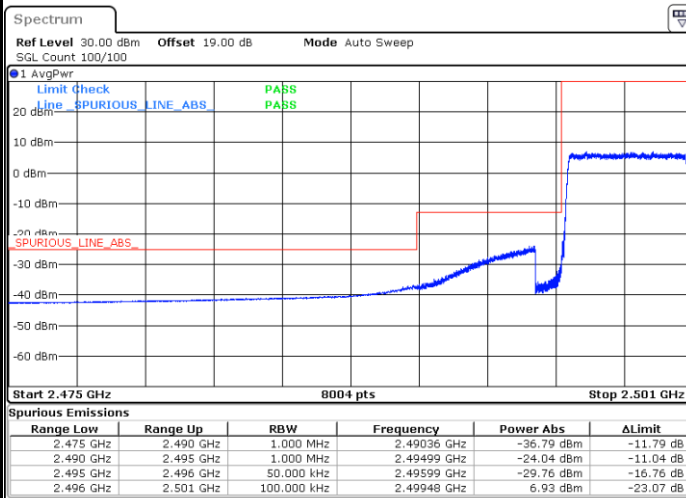
Date: 19.JUN.2025 22:05:34

Highest Band Edge / 1 RB



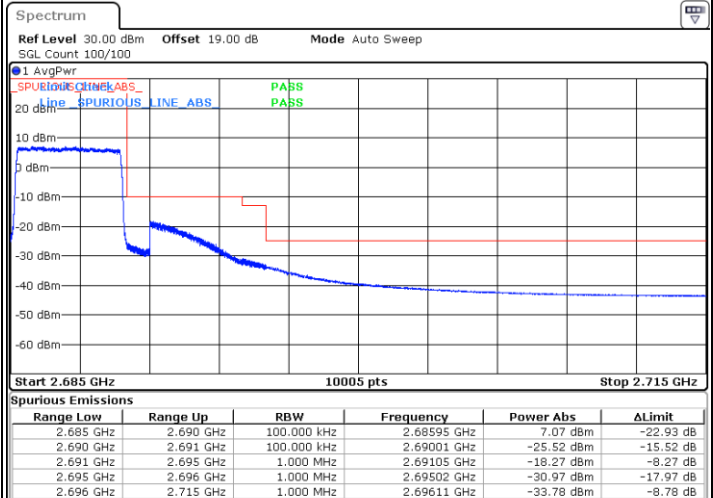
Date: 19.JUN.2025 22:21:16

Lowest Band Edge / Full RB



Date: 19.JUN.2025 22:10:25

Highest Band Edge / Full RB

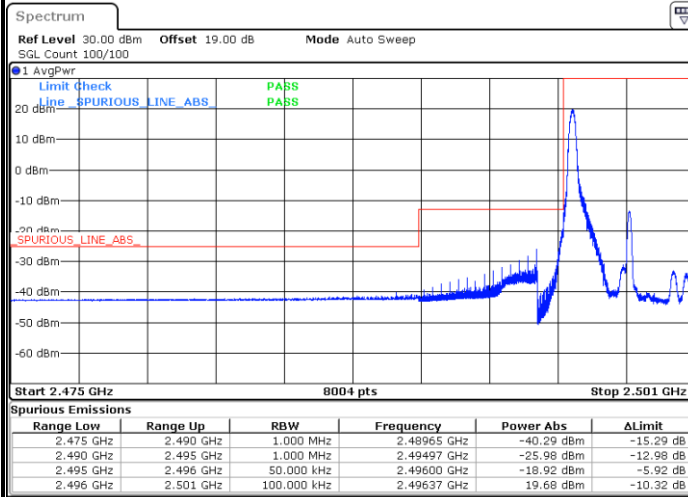


Date: 19.JUN.2025 22:17:22



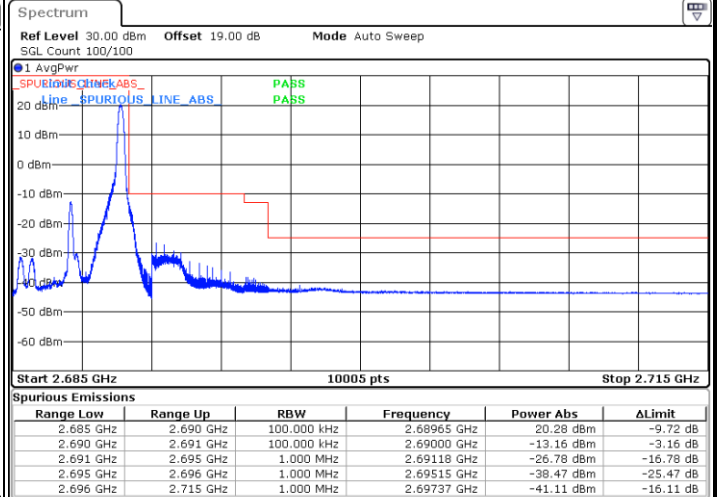
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



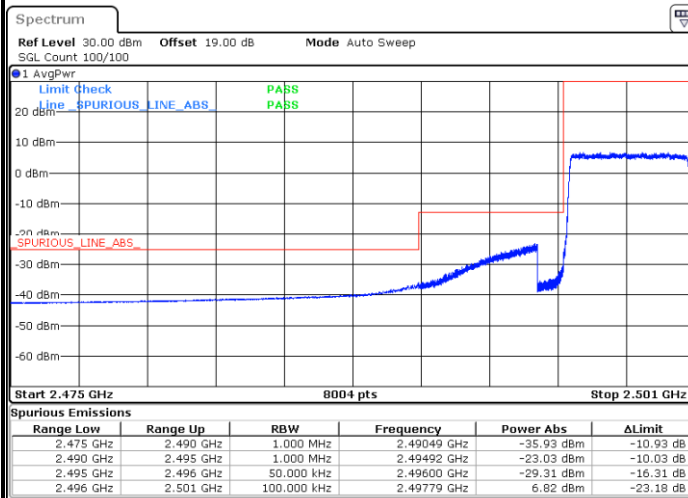
Date: 19.JUN.2025 22:08:09

Highest Band Edge / 1 RB



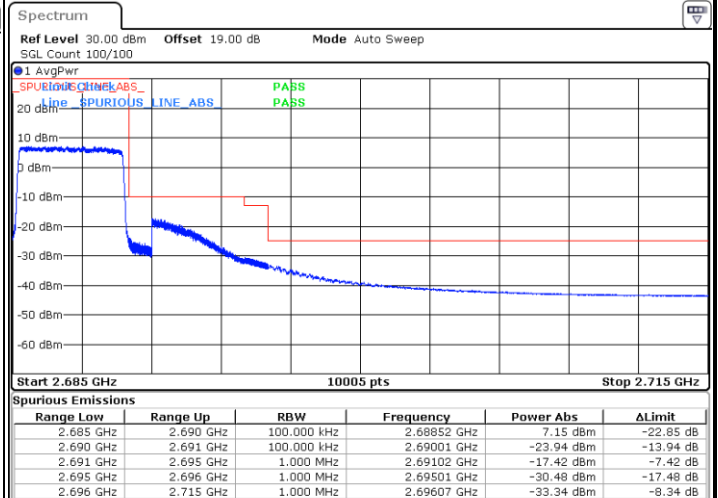
Date: 19.JUN.2025 22:19:56

Lowest Band Edge / Full RB



Date: 19.JUN.2025 22:09:46

Highest Band Edge / Full RB

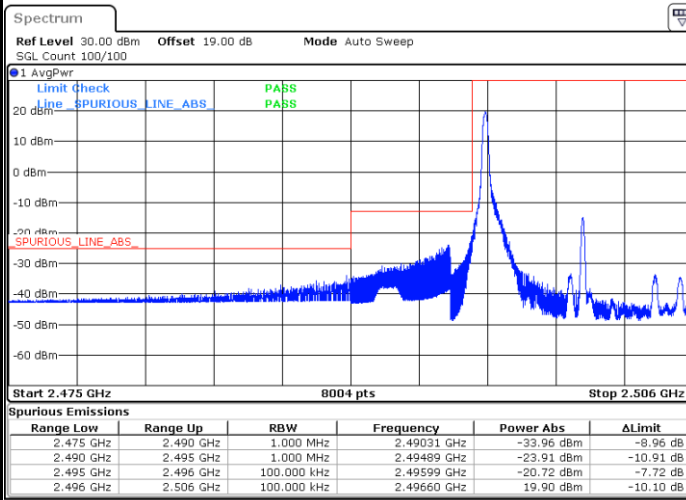


Date: 19.JUN.2025 22:18:16

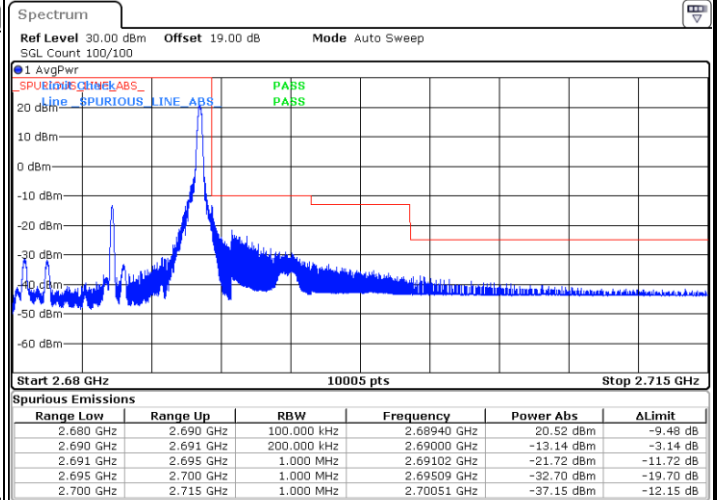


LTE Band 41 / 10MHz / QPSK

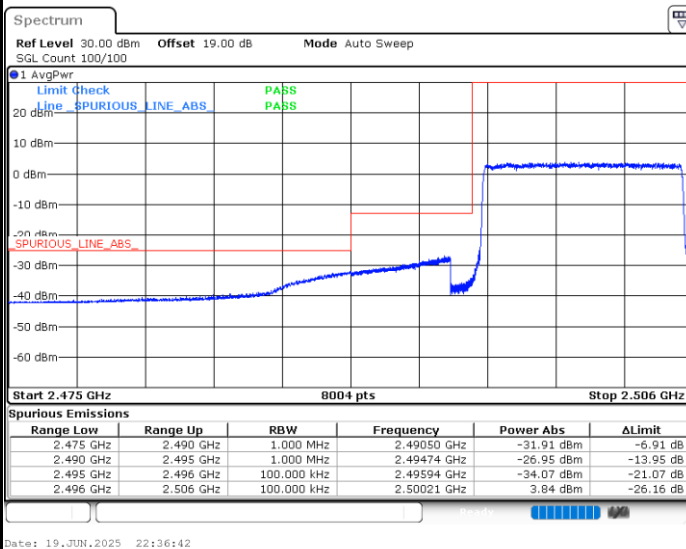
Lowest Band Edge / 1 RB



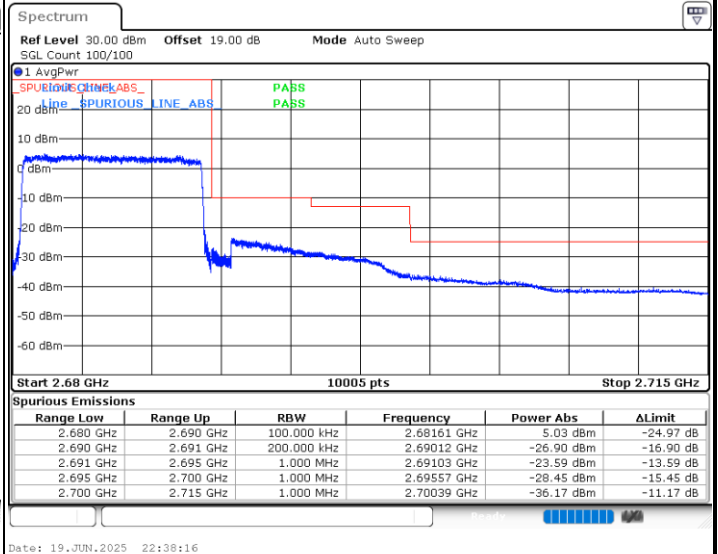
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



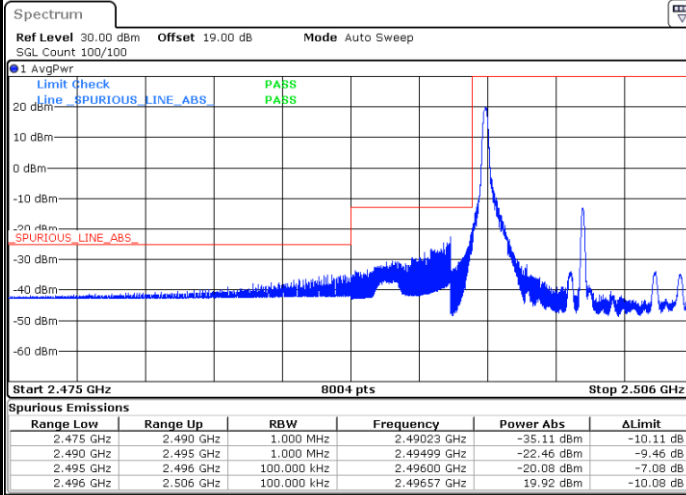
Highest Band Edge / Full RB



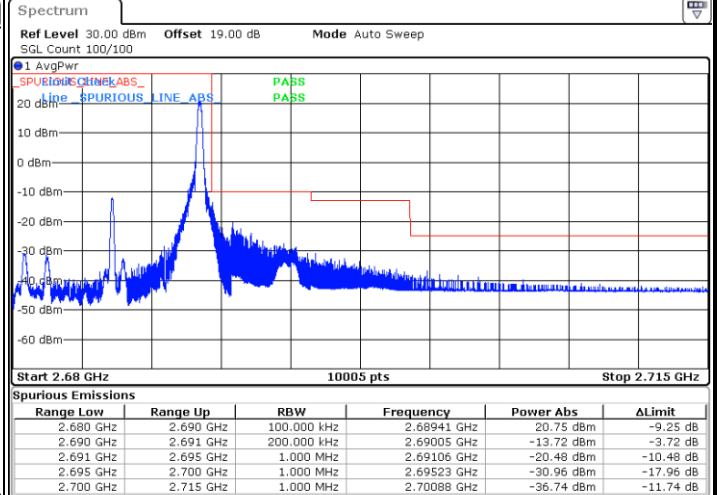


LTE Band 41 / 10MHz / 16QAM

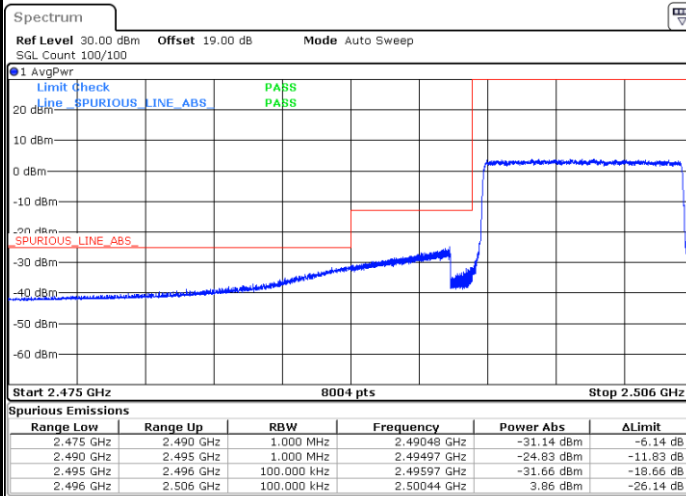
Lowest Band Edge / 1RB



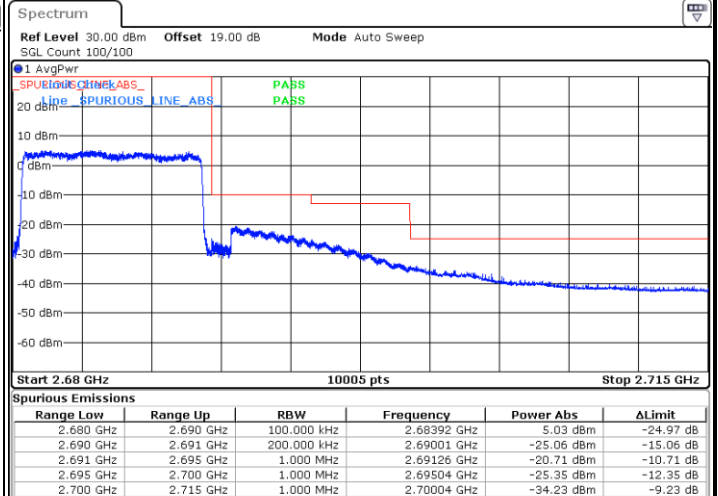
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



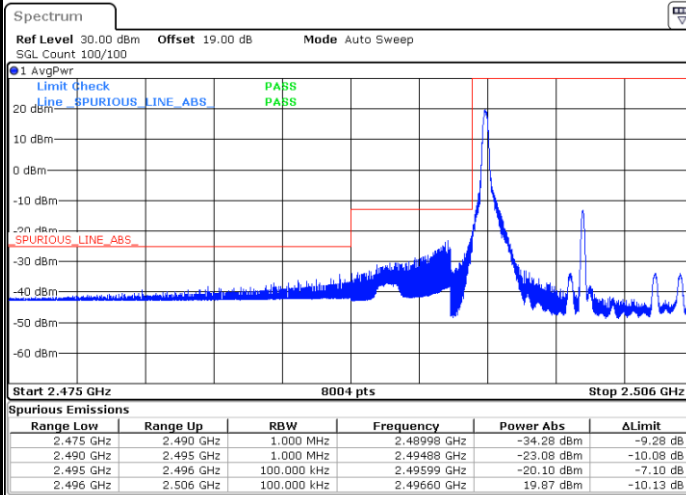
Highest Band Edge / Full RB





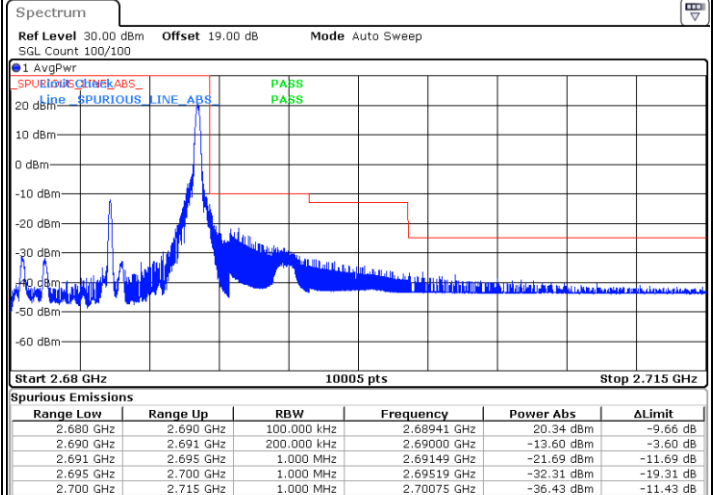
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1RB



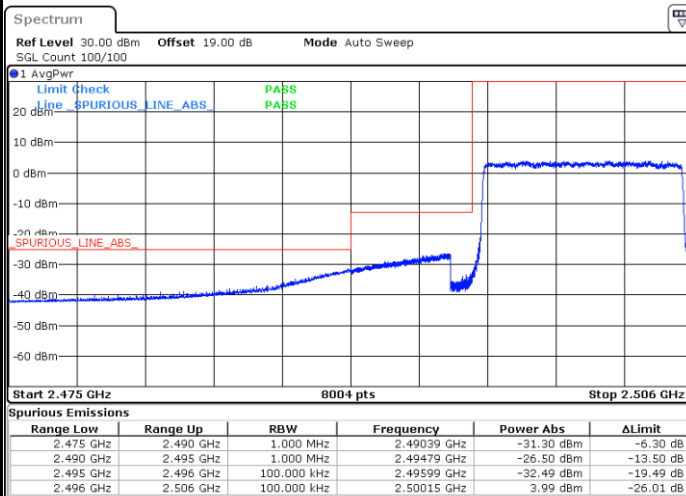
Date: 19 JUN 2025 22:33:20

Highest Band Edge / 1 RB



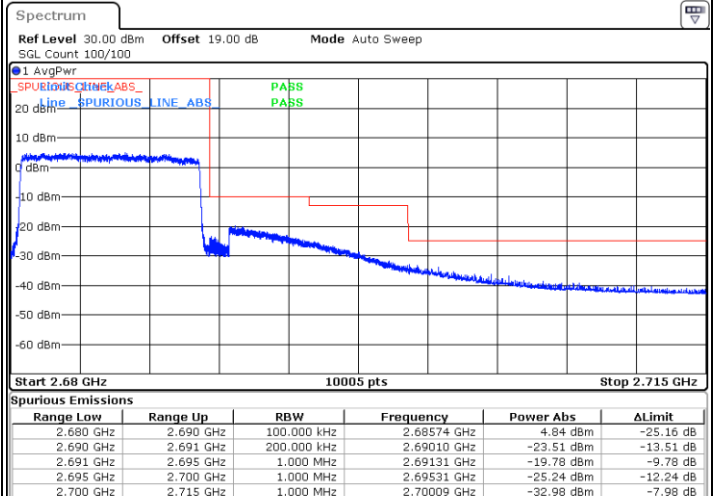
Date: 19 JUN 2025 22:41:36

Lowest Band Edge / Full RB



Date: 19 JUN 2025 22:34:17

Highest Band Edge / Full RB

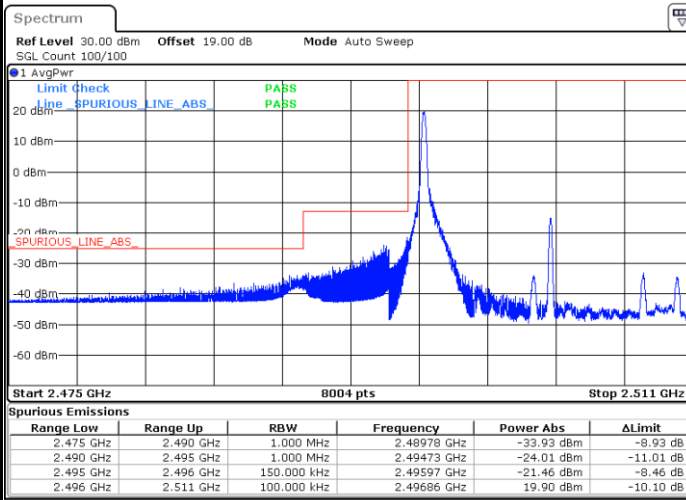


Date: 19 JUN 2025 22:40:17

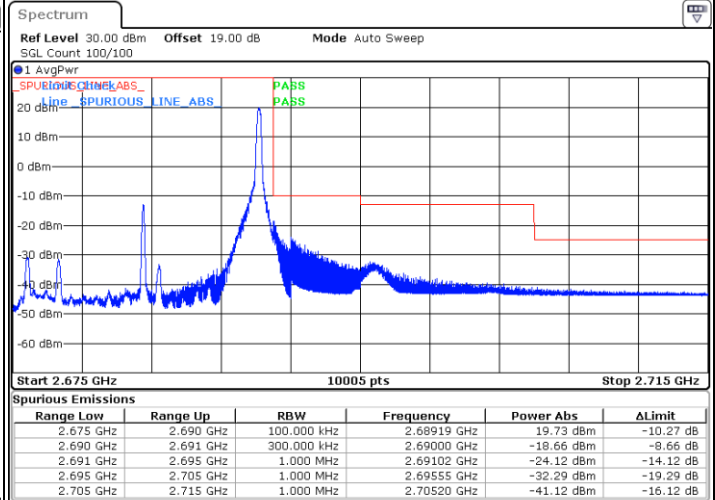


LTE Band 41 / 15MHz / QPSK

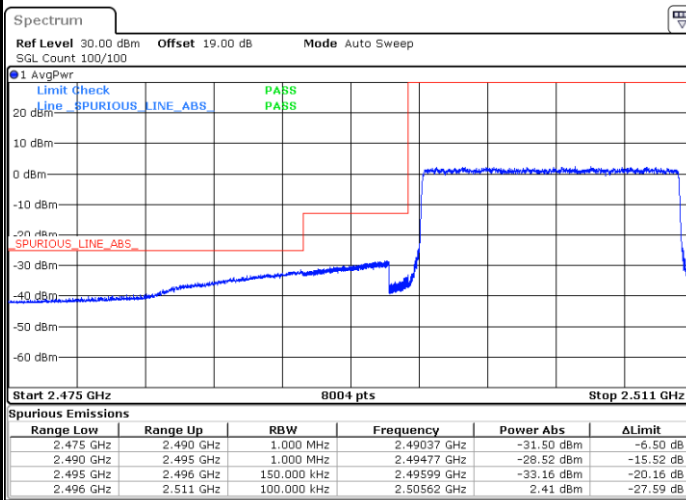
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

