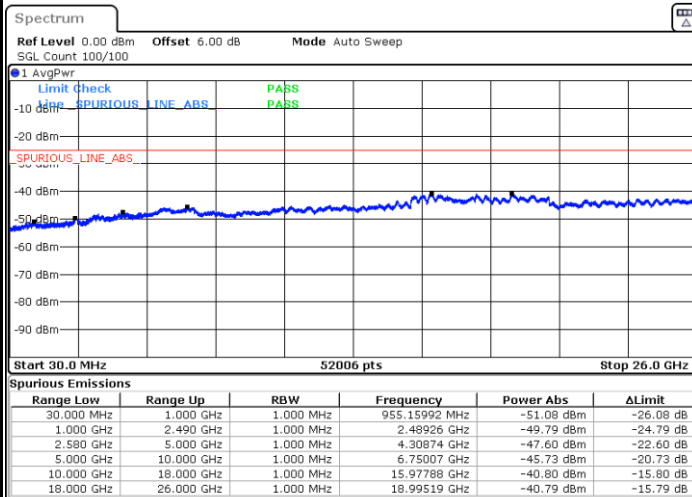




Conducted Spurious Emission

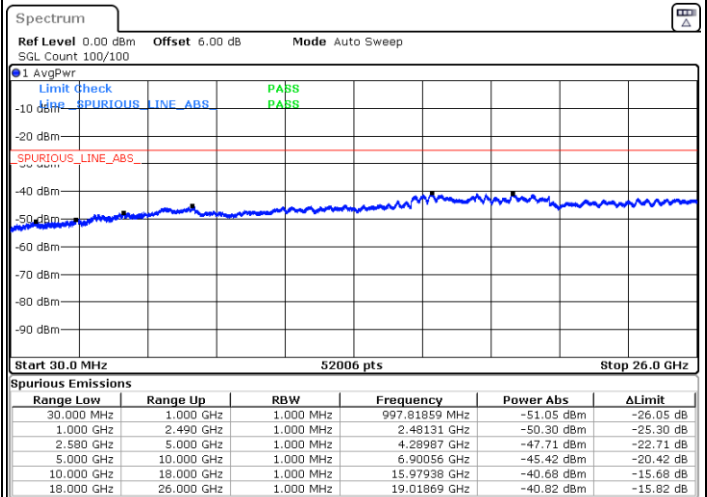
LTE Band 7 / 5MHz

Lowest Channel / QPSK



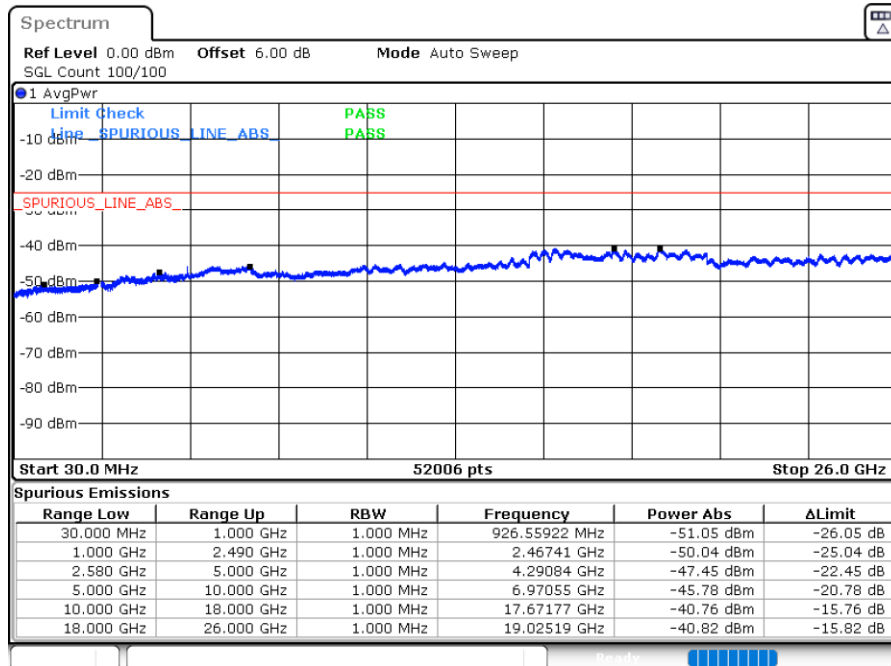
Date: 27.JUN.2025 17:35:55

Middle Channel / QPSK



Date: 27.JUN.2025 17:37:01

Highest Channel / QPSK

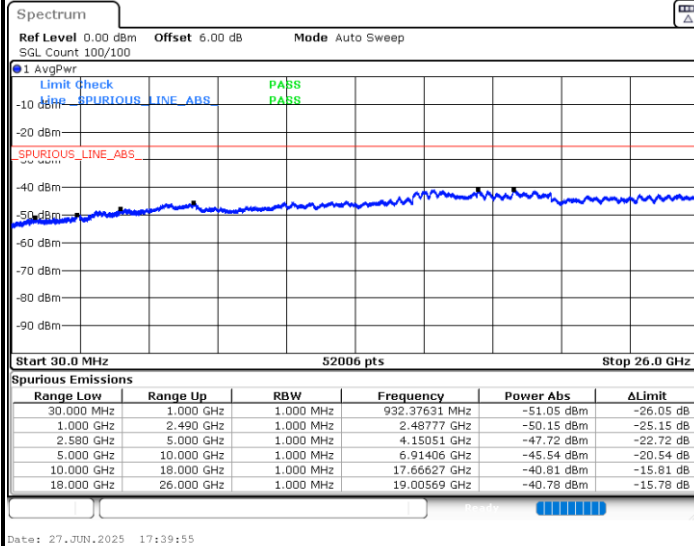


Date: 27.JUN.2025 17:38:06

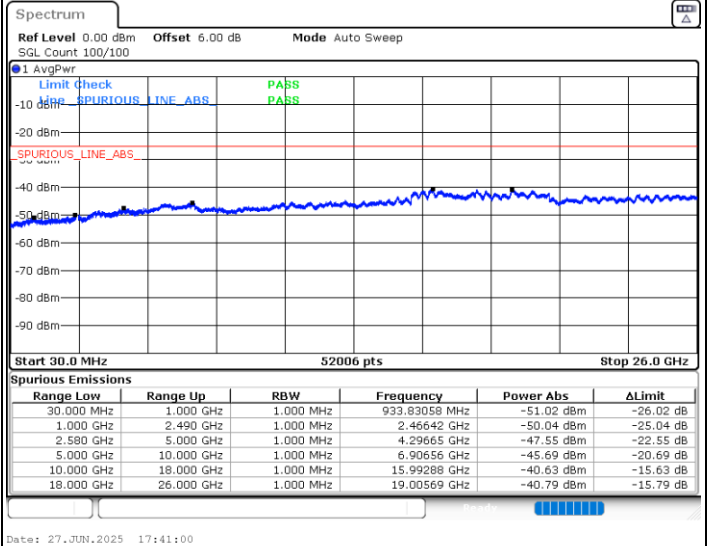


LTE Band 7 / 10MHz

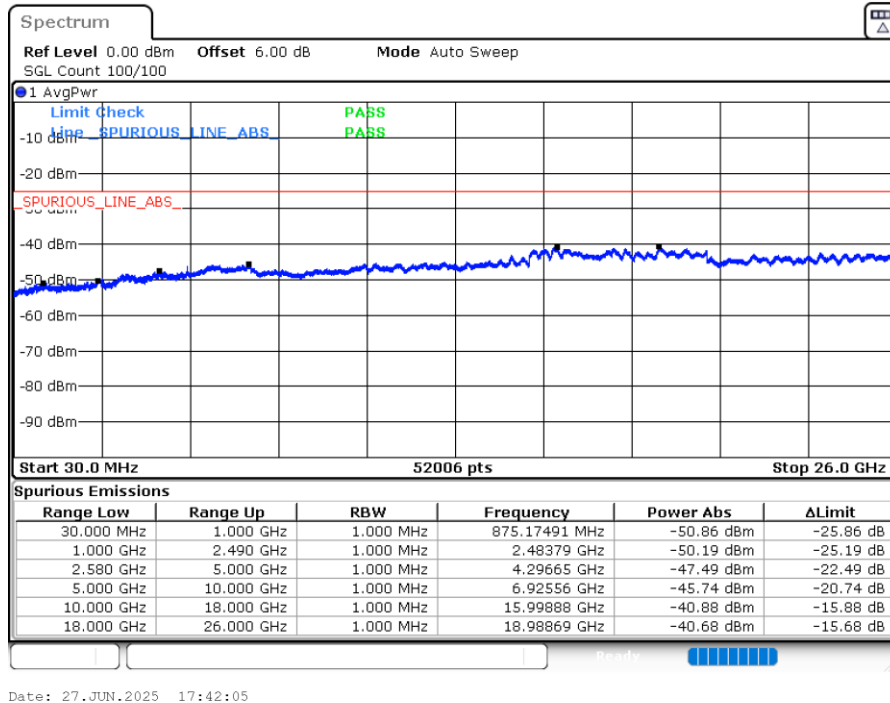
Lowest Channel / QPSK



Middle Channel / QPSK



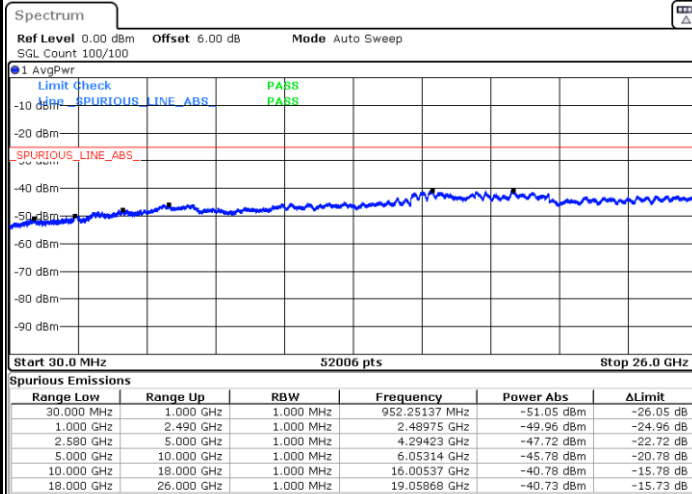
Highest Channel / QPSK





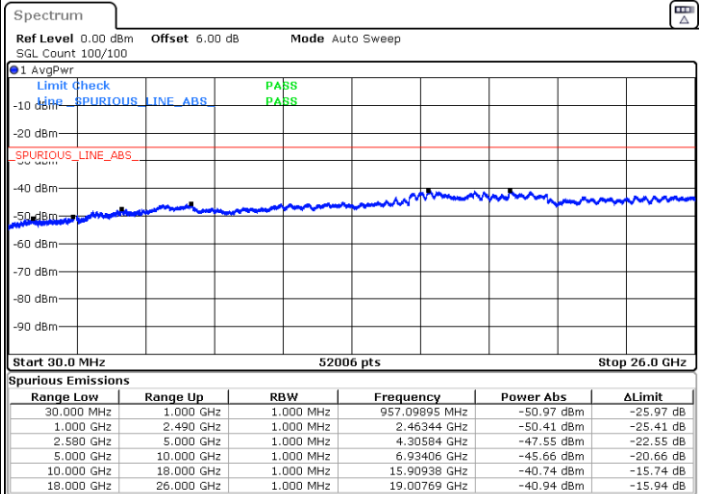
LTE Band 7 / 15MHz

Lowest Channel / QPSK



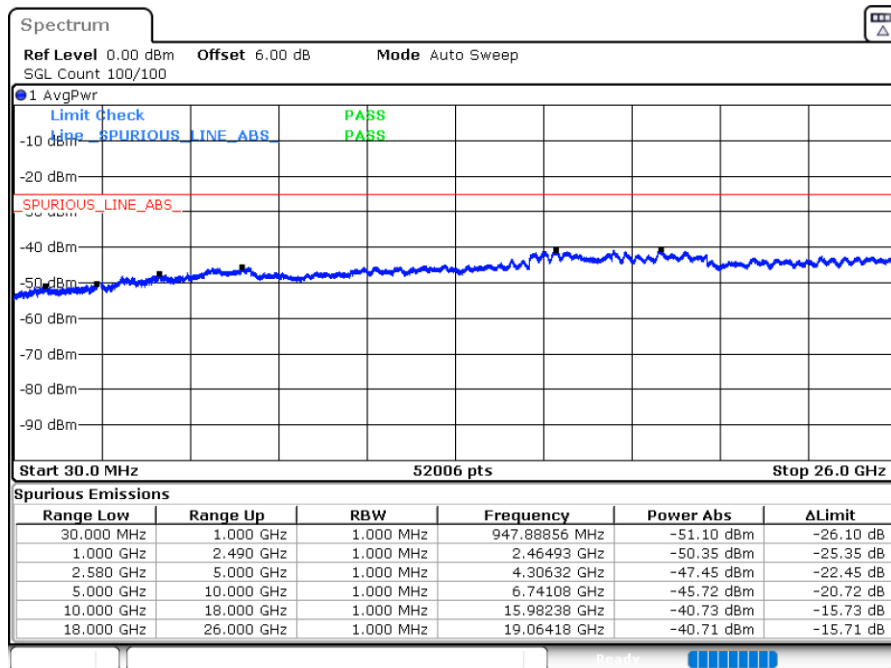
Date: 27.JUN.2025 17:43:54

Middle Channel / QPSK



Date: 27.JUN.2025 17:44:59

Highest Channel / QPSK

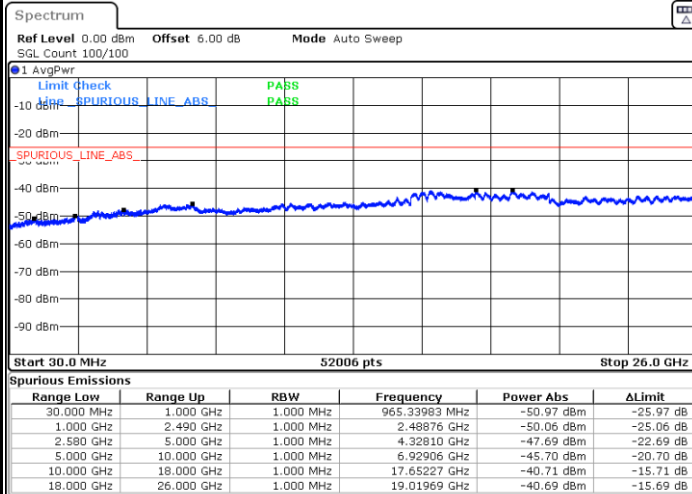


Date: 27.JUN.2025 17:46:04



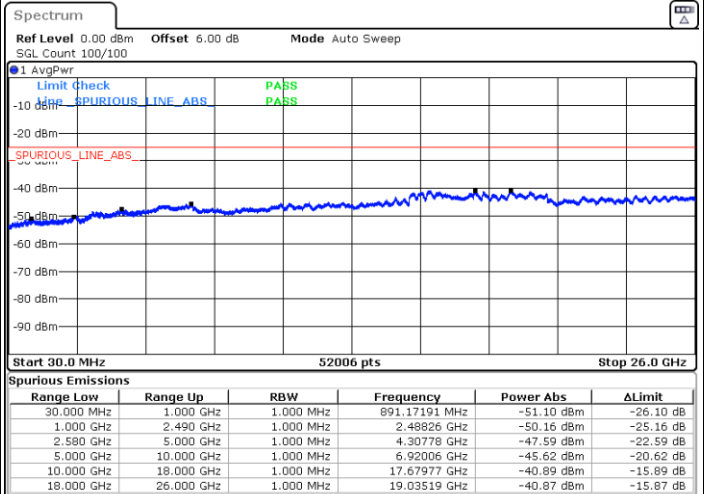
LTE Band 7 / 20MHz

Lowest Channel / QPSK



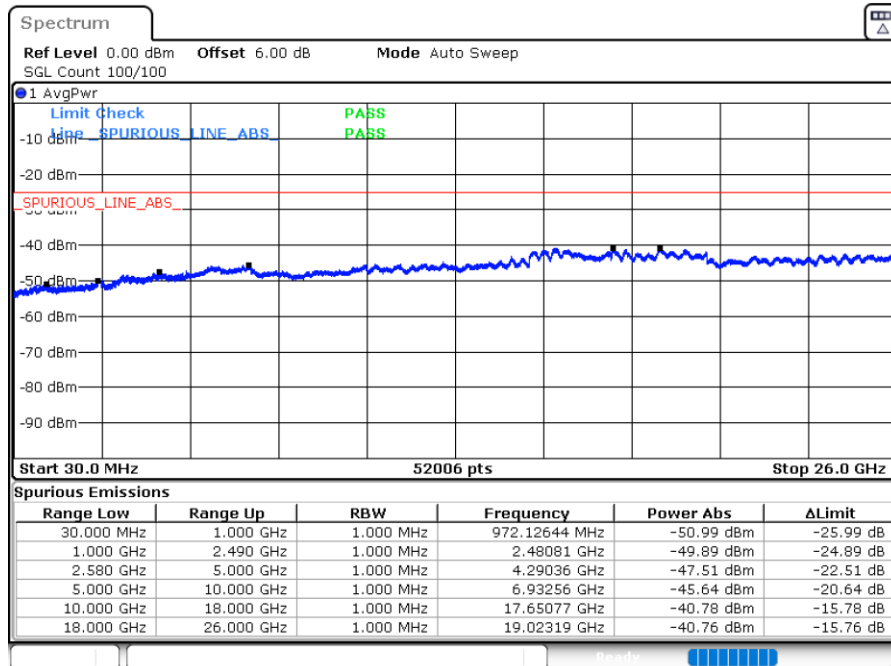
Date: 27.JUN.2025 17:09:29

Middle Channel / QPSK



Date: 27.JUN.2025 17:10:35

Highest Channel / QPSK



Date: 27.JUN.2025 17:11:40

**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	0.0025	PASS
40	Normal Voltage	0.0035	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0039	
0	Normal Voltage	0.0049	
-10	Normal Voltage	0.0038	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0029	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0020	
20	Battery End Point	0.0019	

Note:

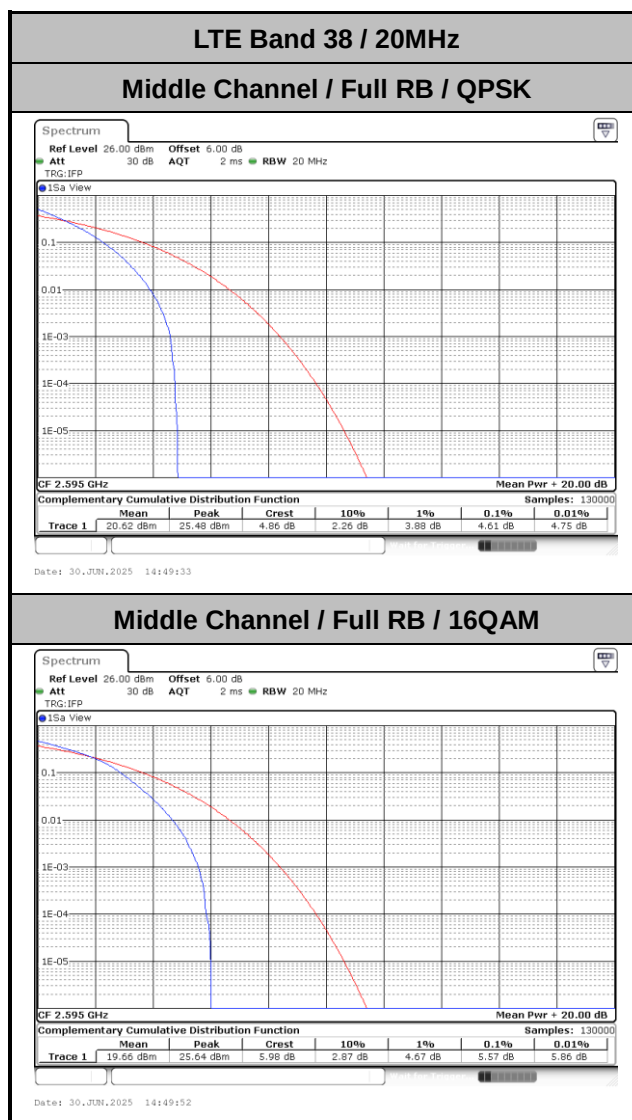
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

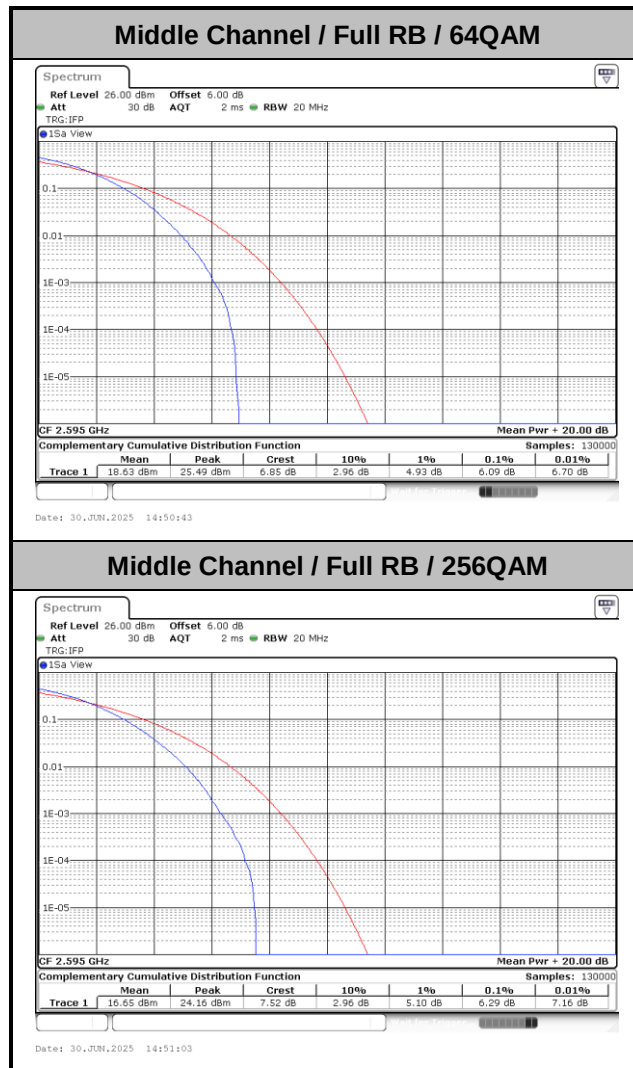


LTE Band 38 for other PA

Peak-to-Average Ratio

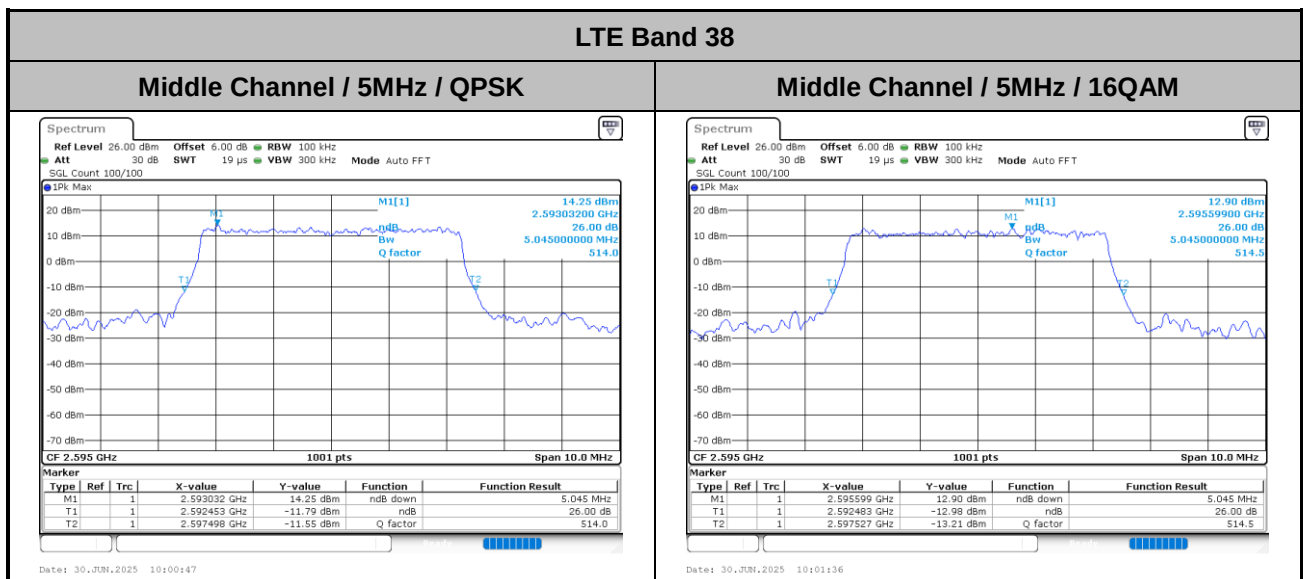
Mode	LTE Band 38 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.61	5.57	6.09	6.29	PASS





26dB Bandwidth

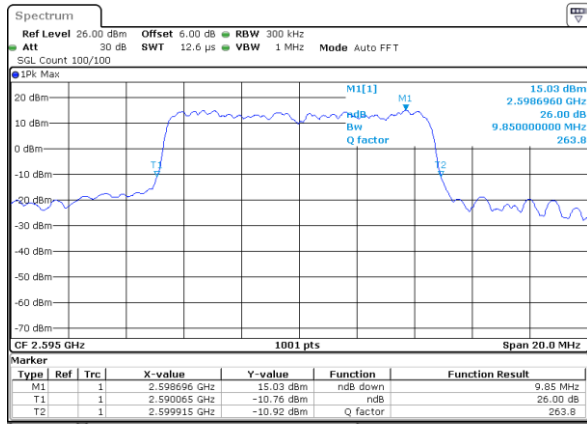
Mode	LTE Band 38 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	5.05	5.05
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.85	9.95
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.42	14.63
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.18	19.26





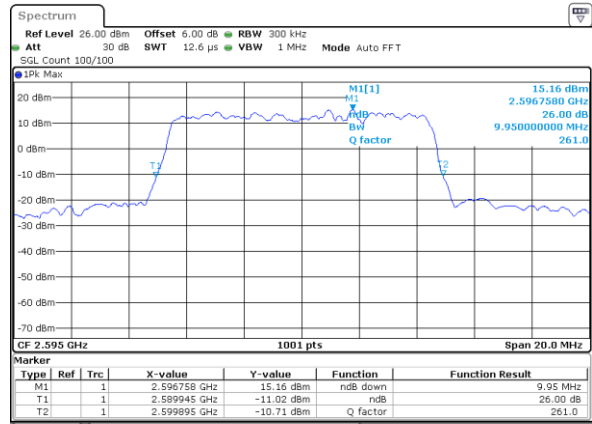
LTE Band 38

Middle Channel / 10MHz / QPSK



Date: 30 JUN 2025 12:04:10

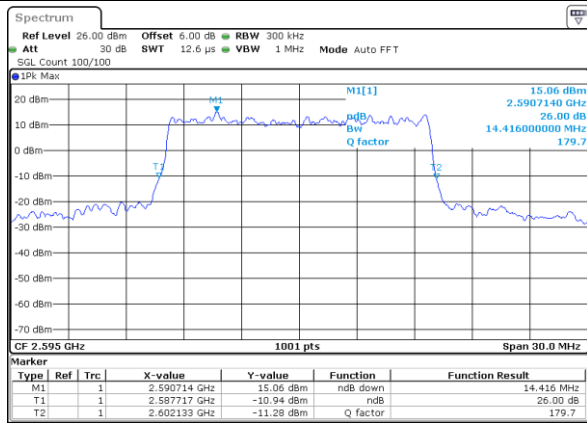
Middle Channel / 10MHz / 16QAM



Date: 30 JUN 2025 12:05:13

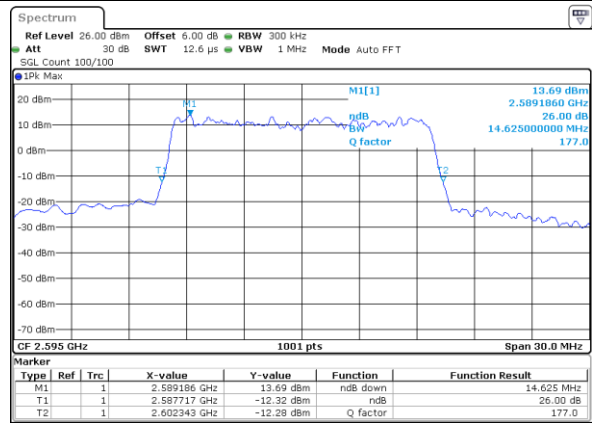
LTE Band 38

Middle Channel / 15MHz / QPSK



Date: 30 JUN 2025 13:38:30

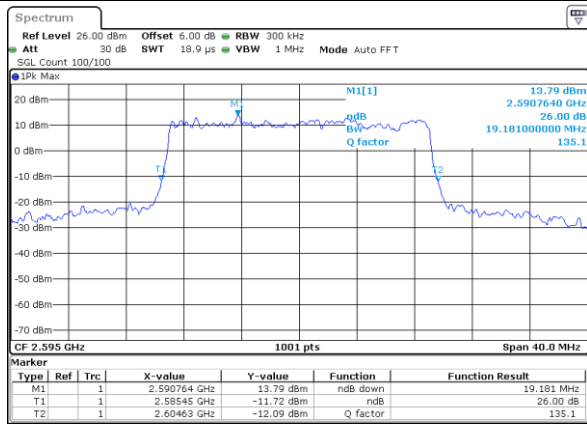
Middle Channel / 15MHz / 16QAM



Date: 30 JUN 2025 13:39:39

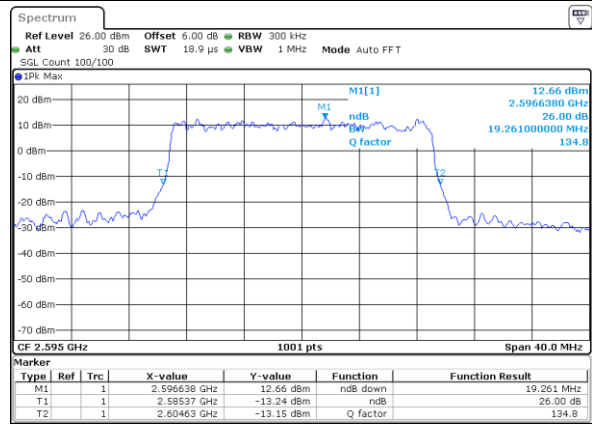
LTE Band 38

Middle Channel / 20MHz / QPSK



Date: 30 JUN 2025 14:08:42

Middle Channel / 20MHz / 16QAM

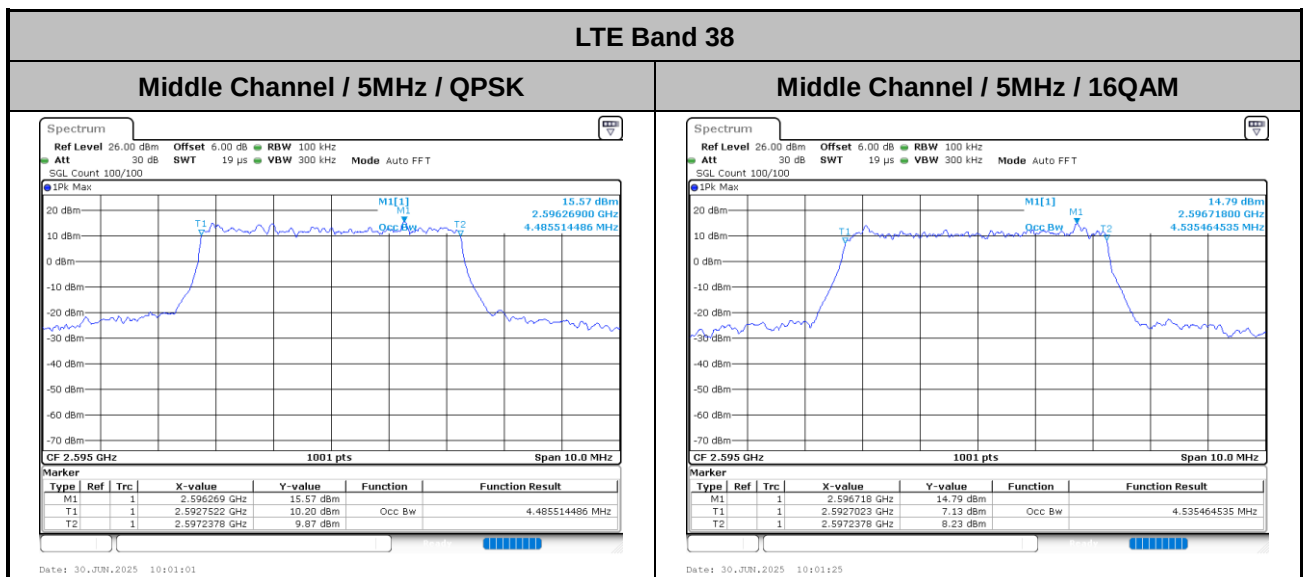


Date: 30 JUN 2025 14:09:19



Occupied Bandwidth

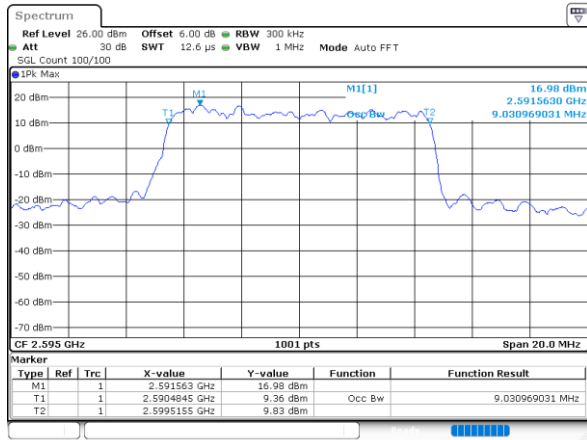
Mode	LTE Band 38 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.49	4.54
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.03	9.07
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.49	13.46
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.94	17.98



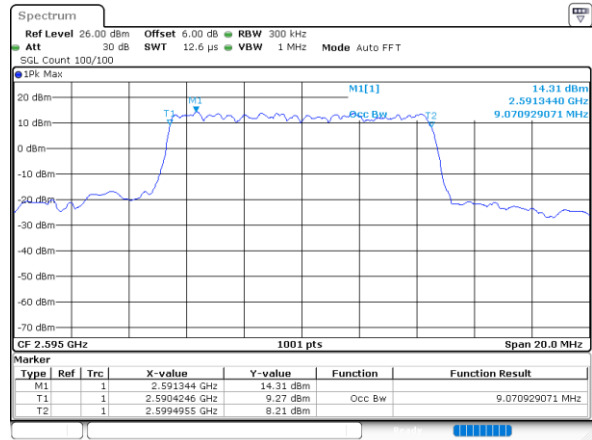


LTE Band 38

Middle Channel / 10MHz / QPSK

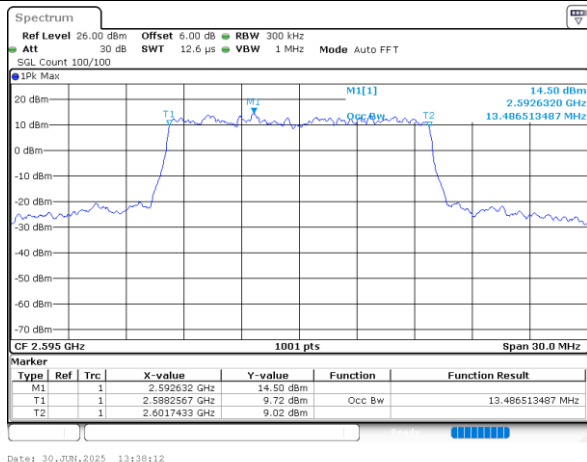


Middle Channel / 10MHz / 16QAM

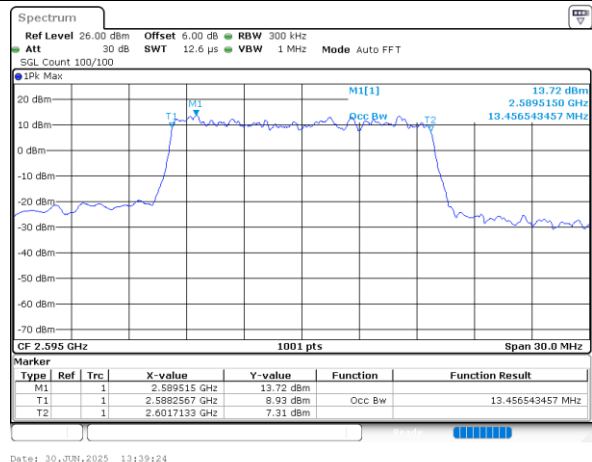


LTE Band 38

Middle Channel / 15MHz / QPSK

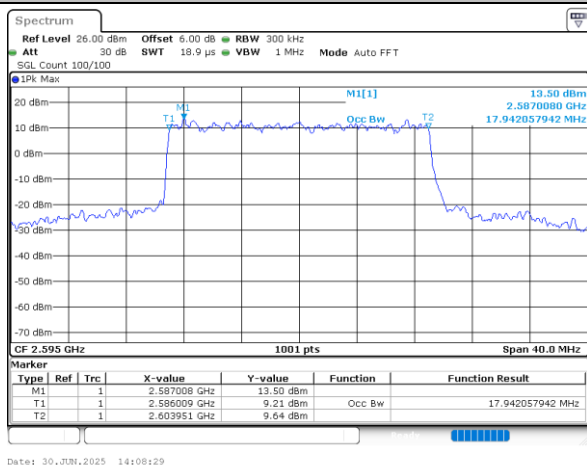


Middle Channel / 15MHz / 16QAM

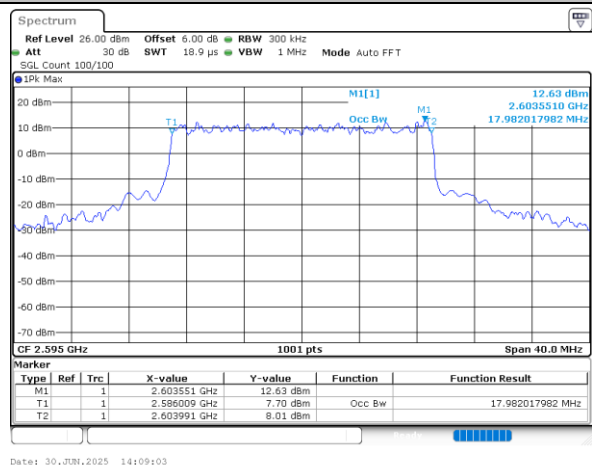


LTE Band 38

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

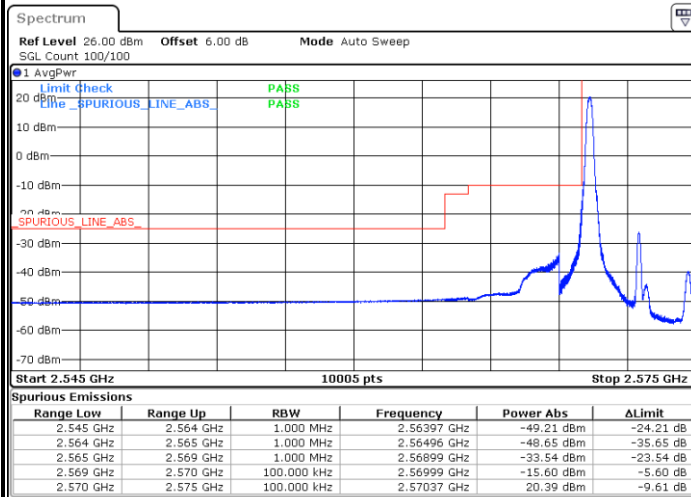




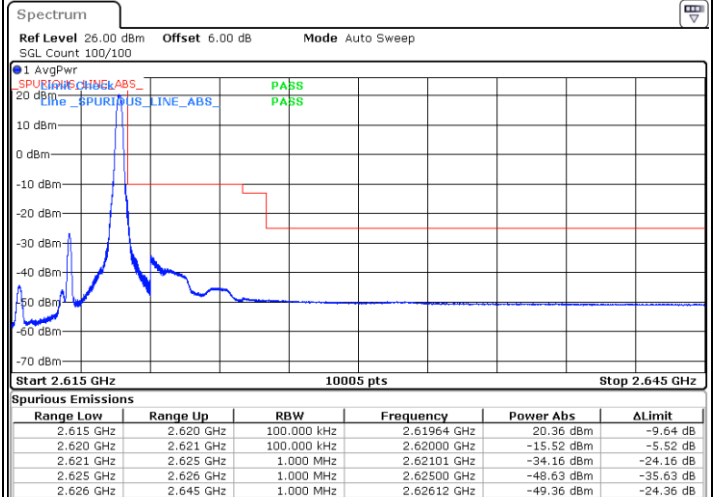
Conducted Band Edge

LTE Band 38 / 5MHz / QPSK

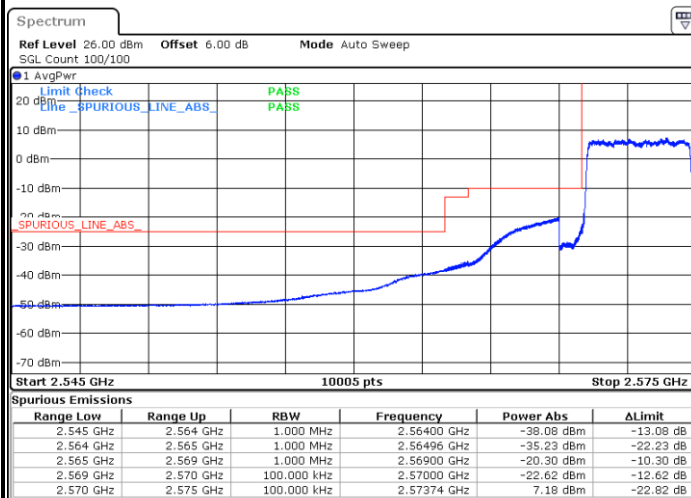
Lowest Band Edge / 1 RB



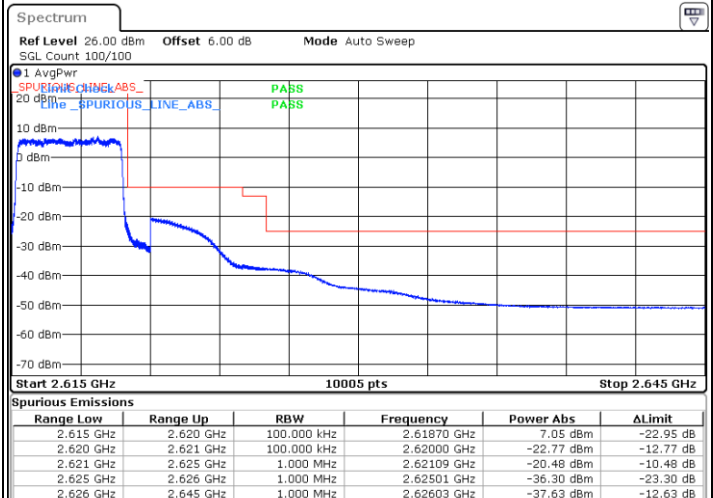
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



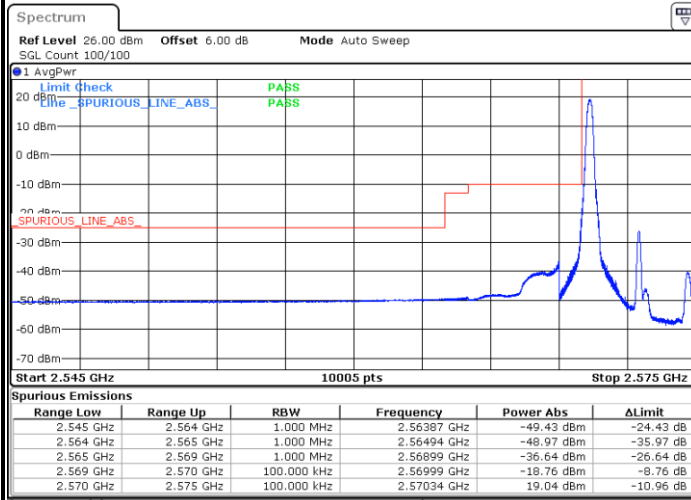
Highest Band Edge / Full RB



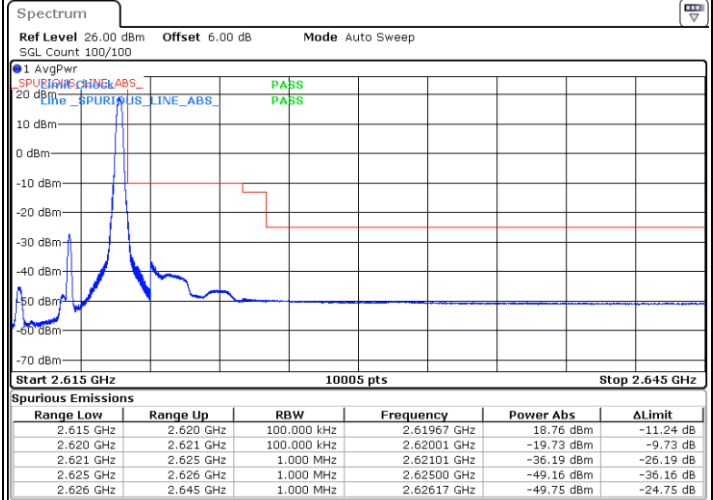


LTE Band 38 / 5MHz / 16QAM

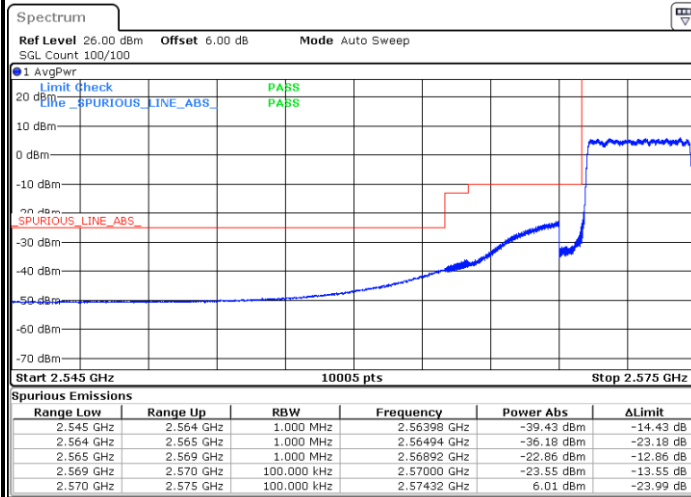
Lowest Band Edge / 1RB



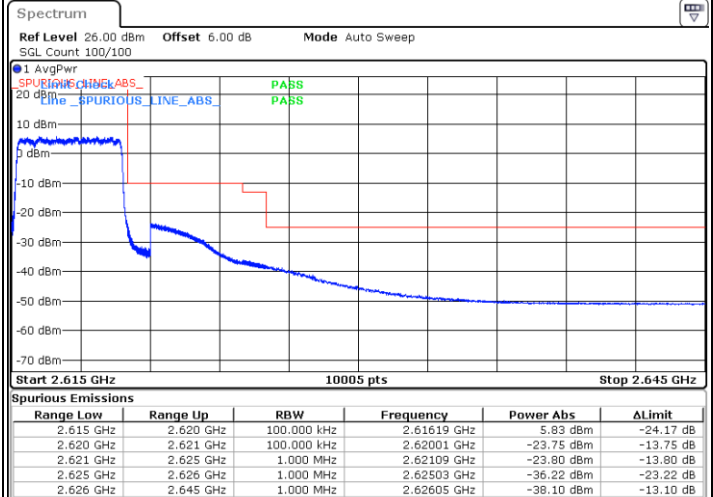
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



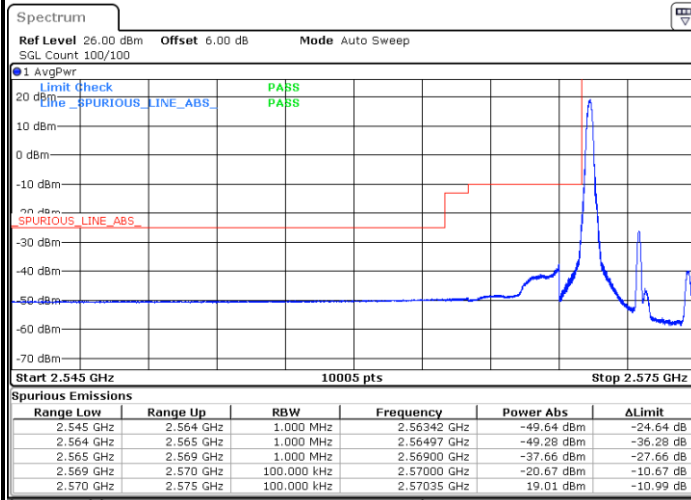
Highest Band Edge / Full RB



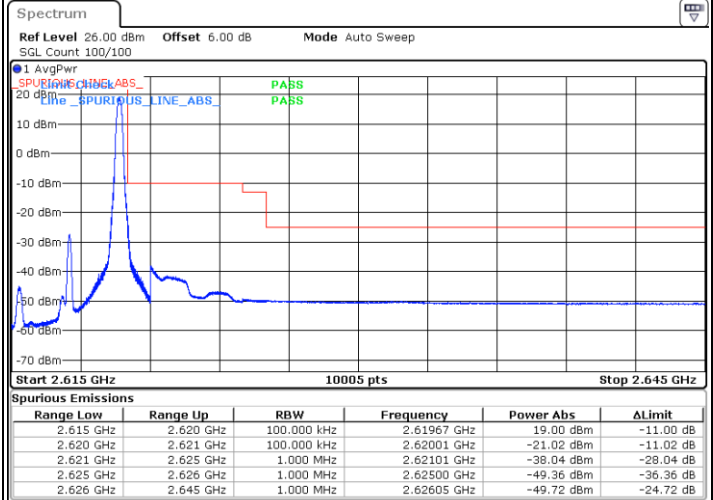


LTE Band 38 / 5MHz / 64QAM

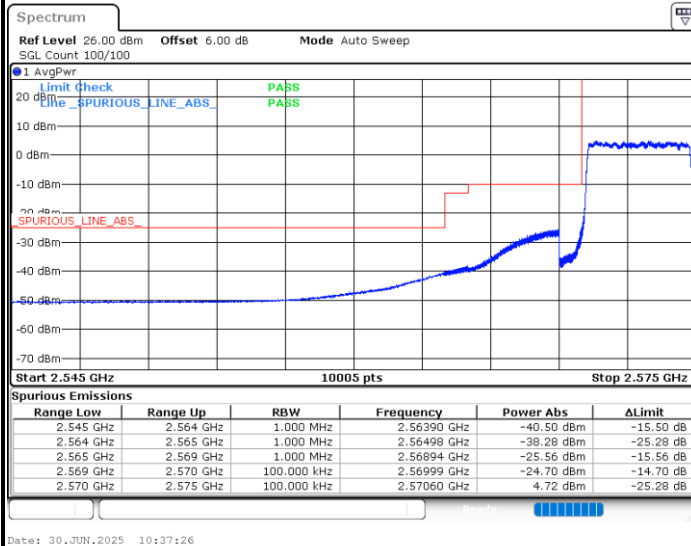
Lowest Band Edge / 1RB



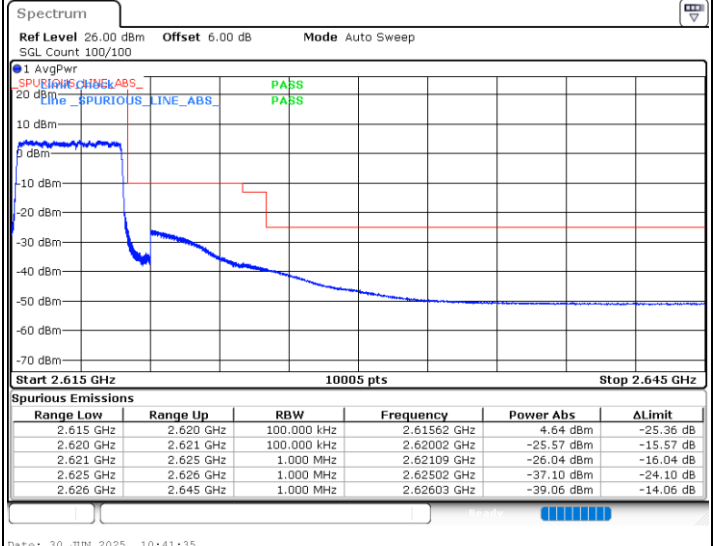
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



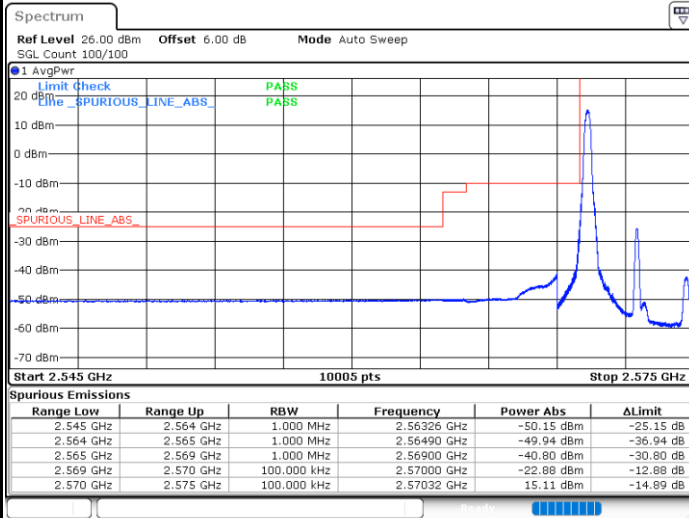
Highest Band Edge / Full RB



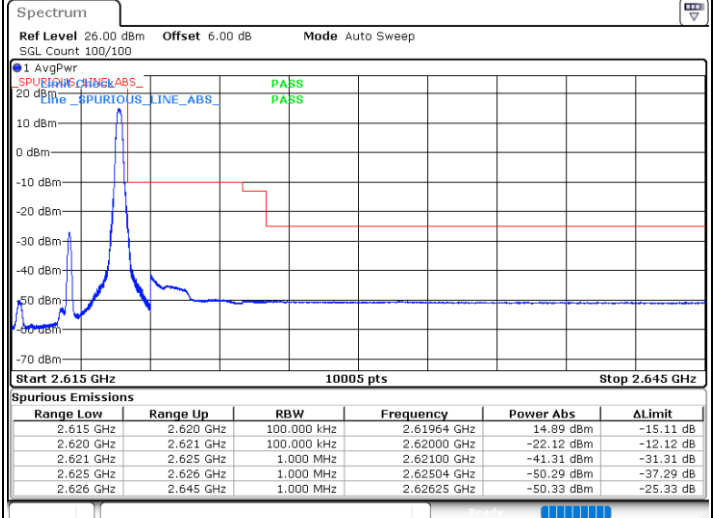


LTE Band 38 / 5MHz / 256QAM

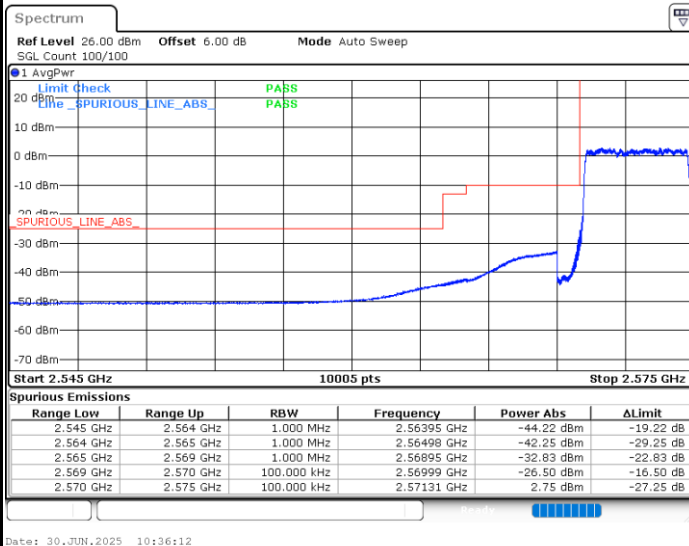
Lowest Band Edge / 1RB



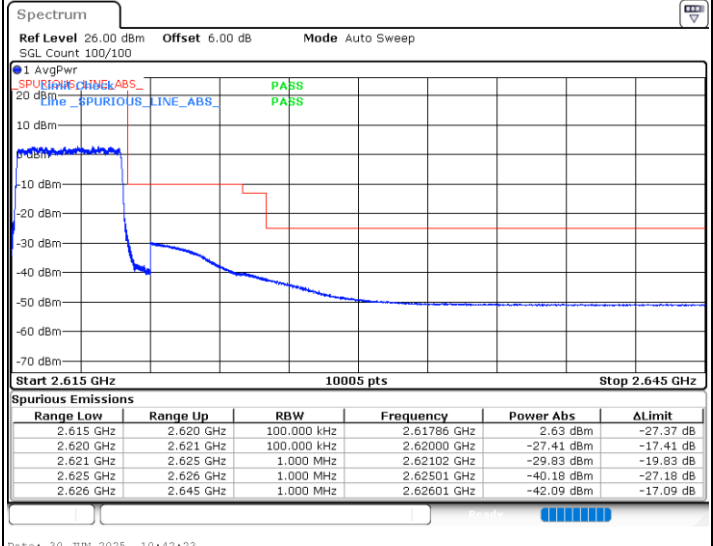
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



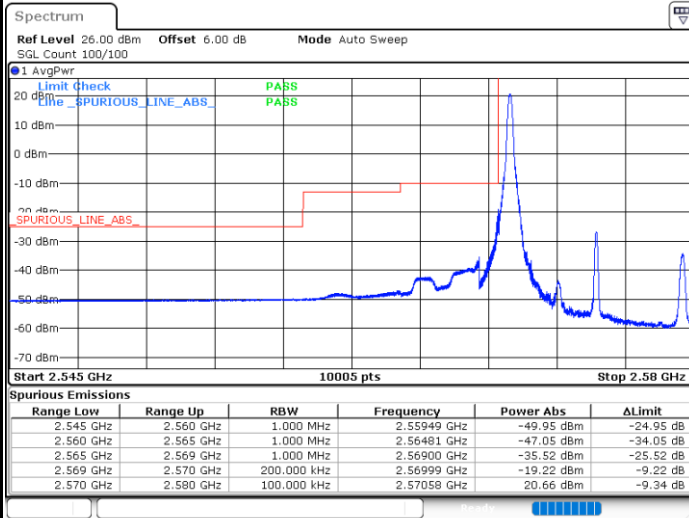
Highest Band Edge / Full RB



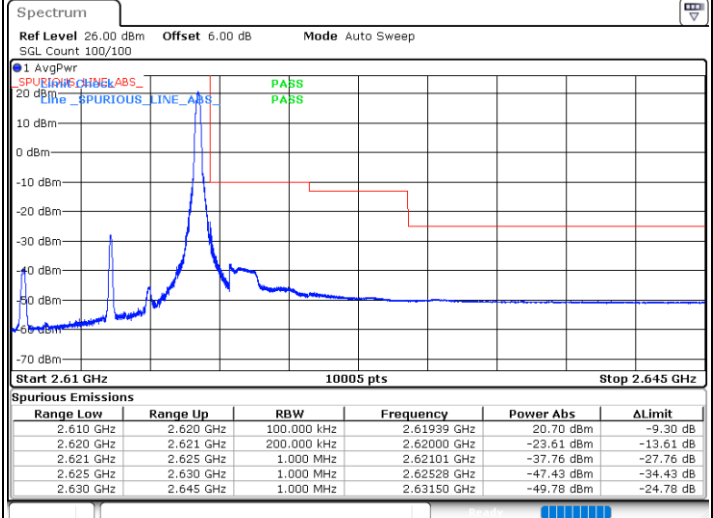


LTE Band 38 / 10MHz / QPSK

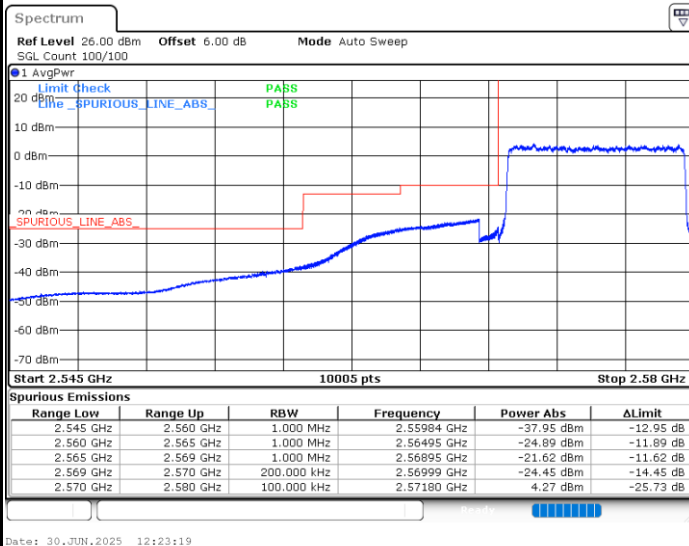
Lowest Band Edge / 1 RB



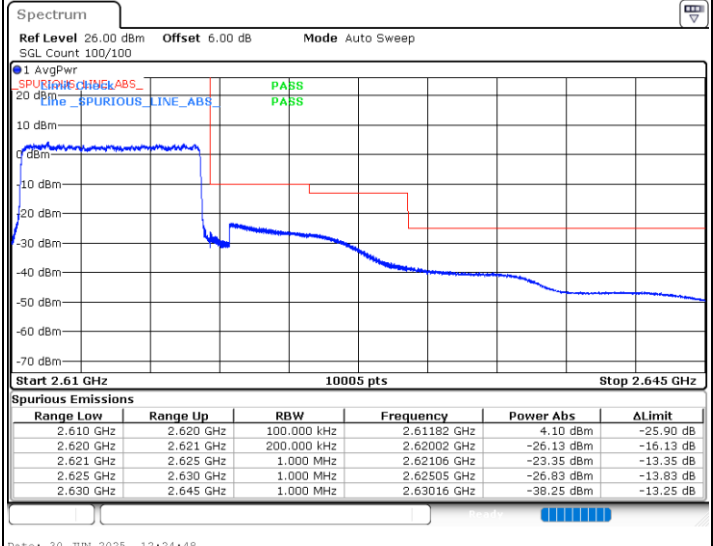
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



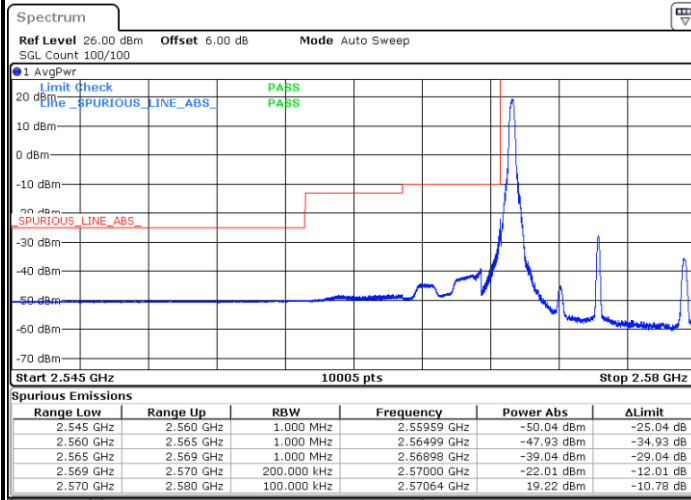
Highest Band Edge / Full RB



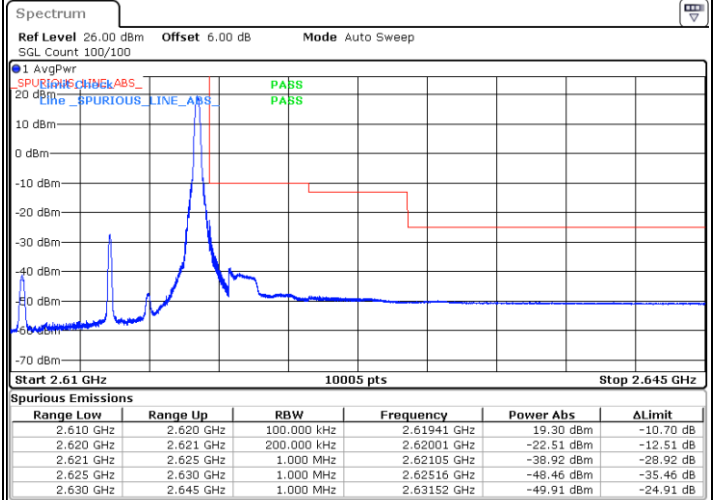


LTE Band 38 / 10MHz / 16QAM

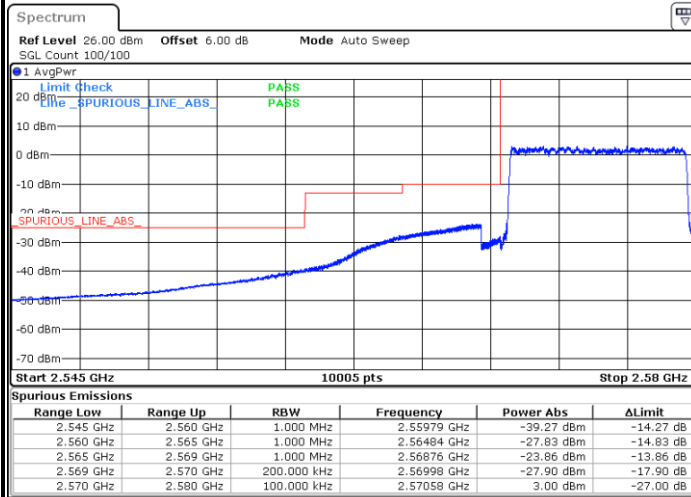
Lowest Band Edge / 1 RB



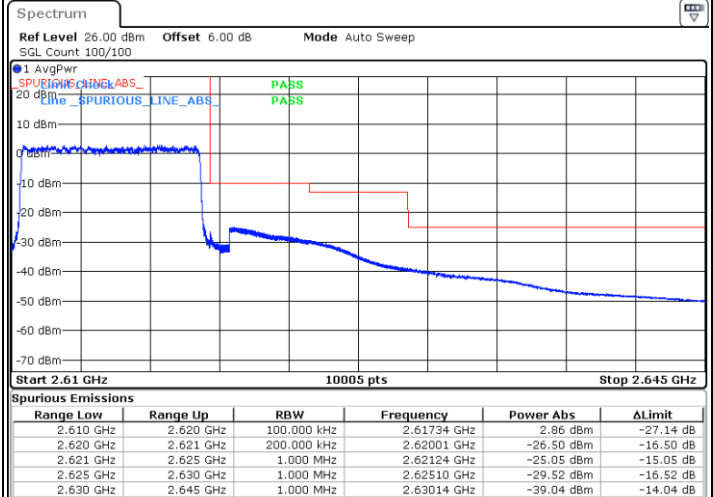
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



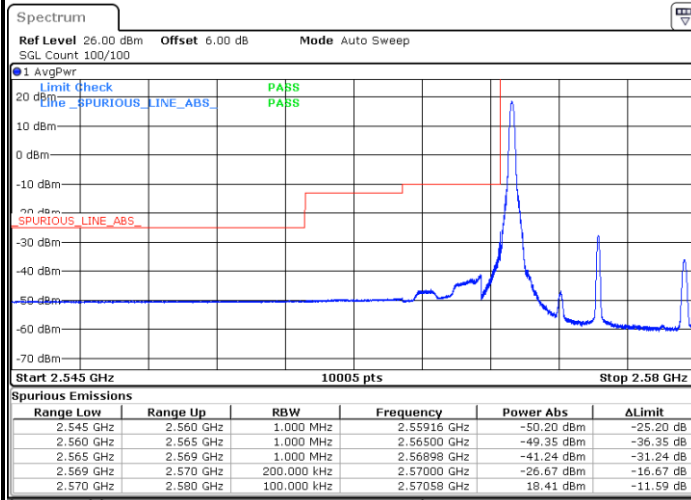
Highest Band Edge / Full RB



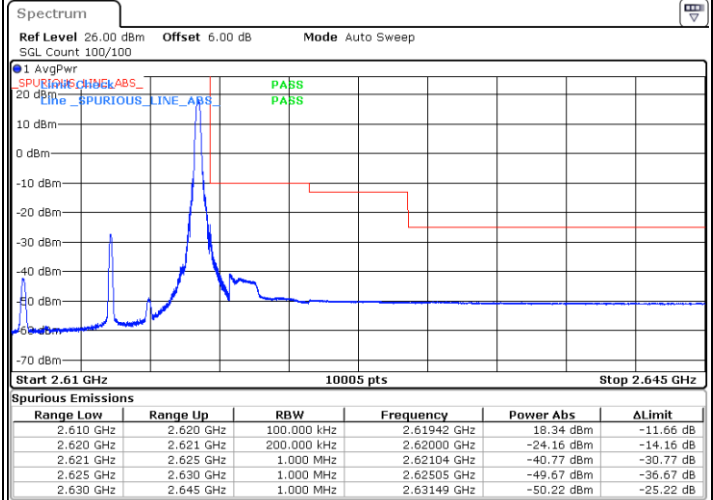


LTE Band 38 / 10MHz / 64QAM

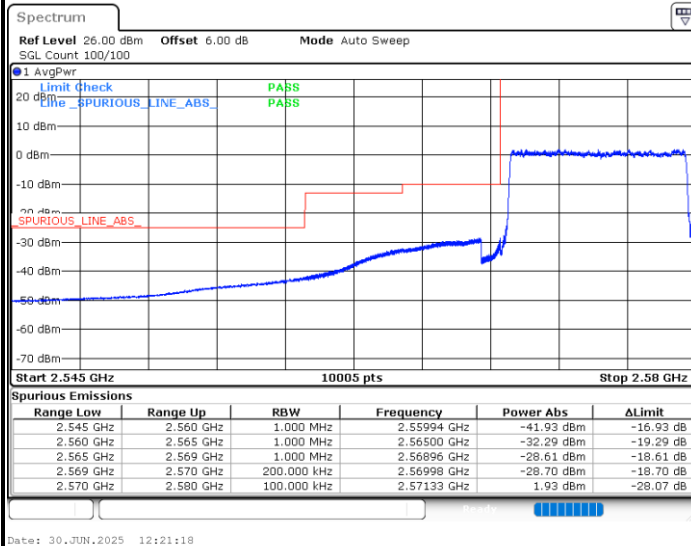
Lowest Band Edge / 1 RB



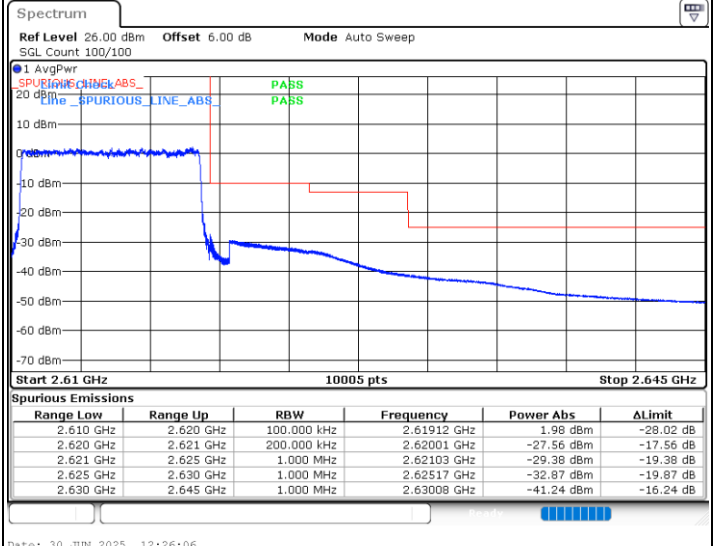
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



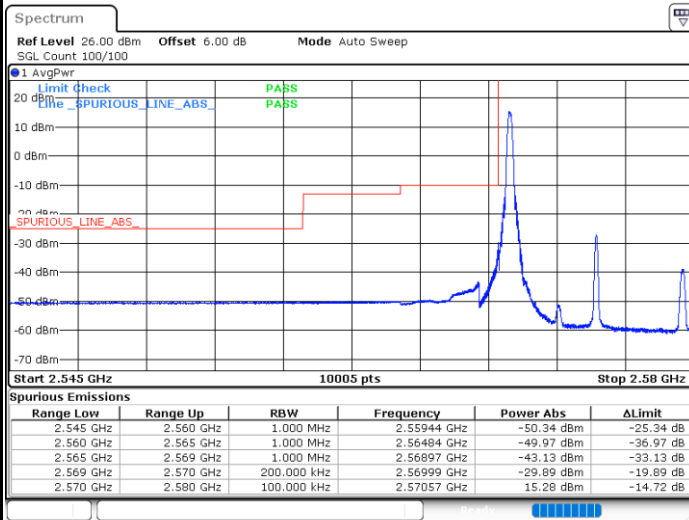
Highest Band Edge / Full RB



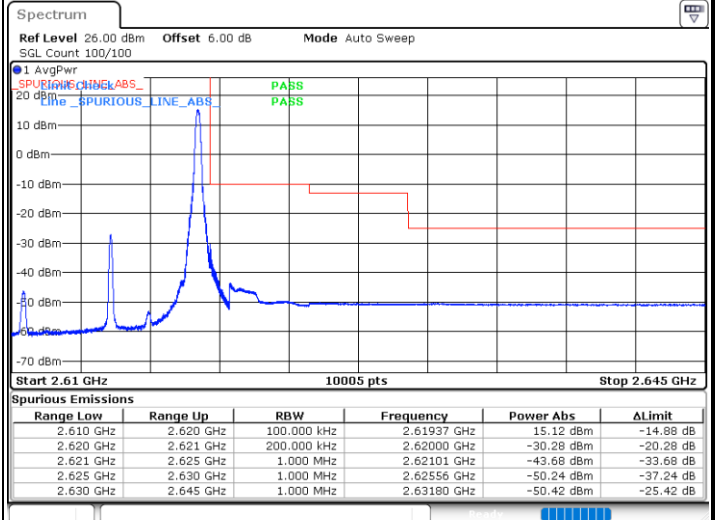


LTE Band 38 / 10MHz / 256QAM

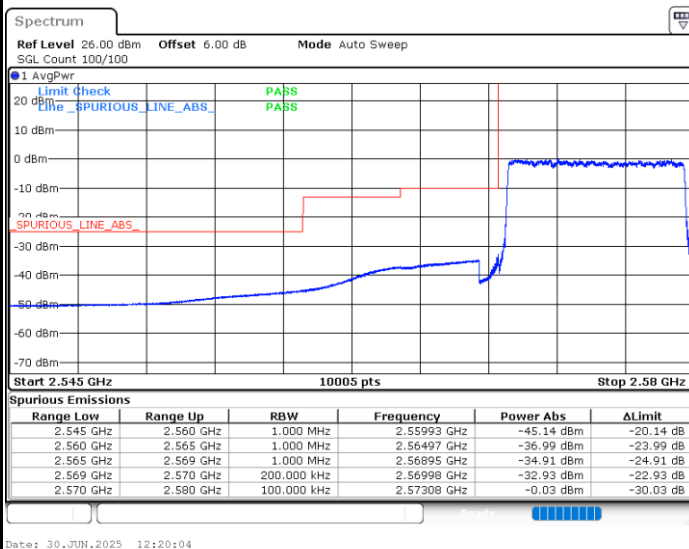
Lowest Band Edge / 1RB



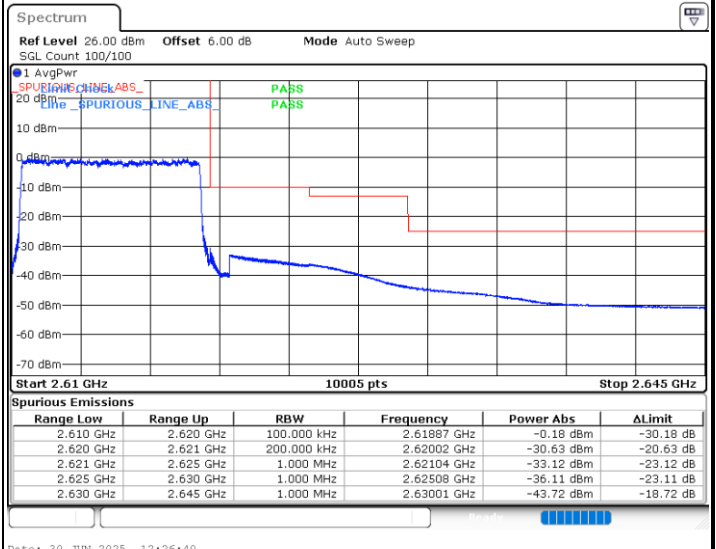
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



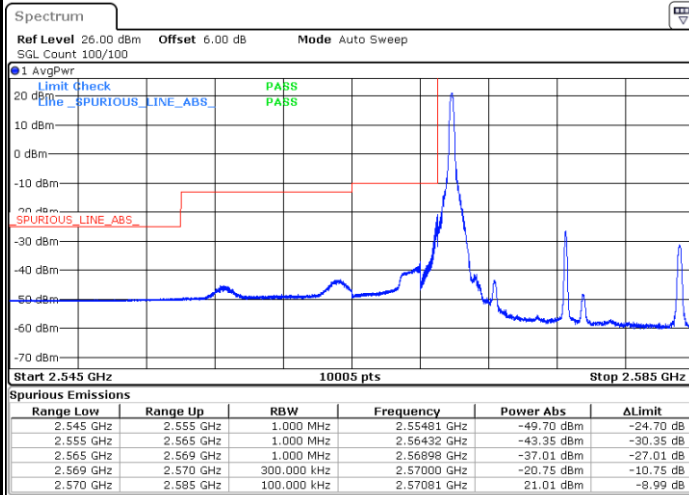
Highest Band Edge / Full RB



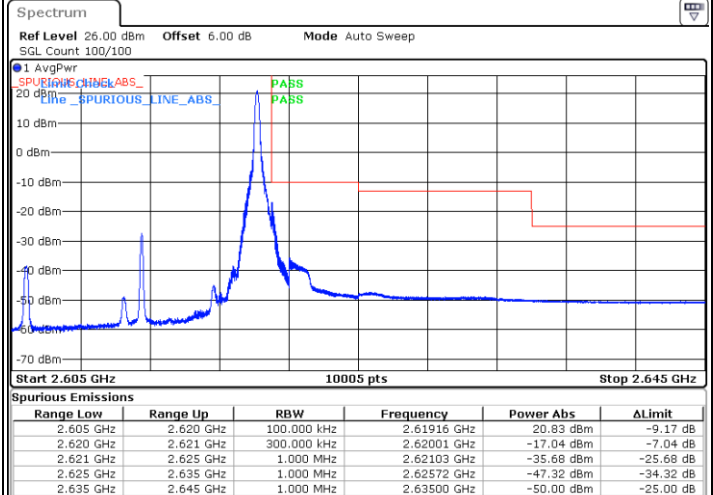


LTE Band 38 / 15MHz / QPSK

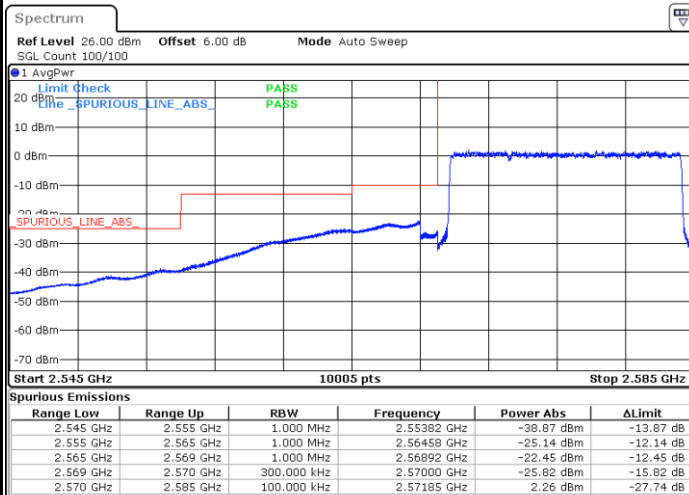
Lowest Band Edge / 1 RB



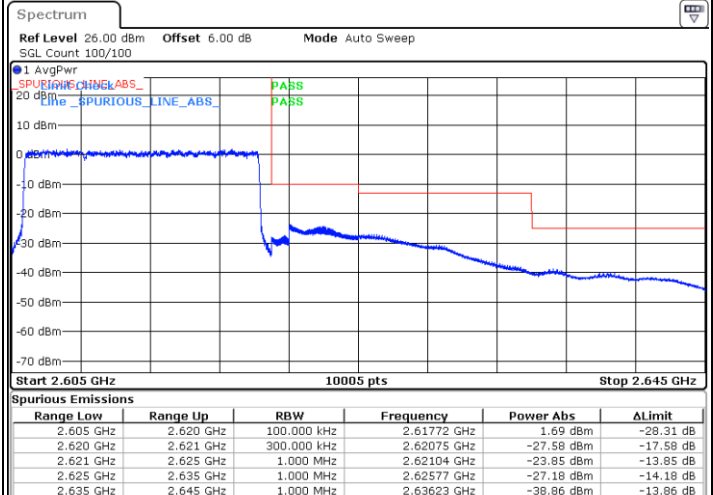
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



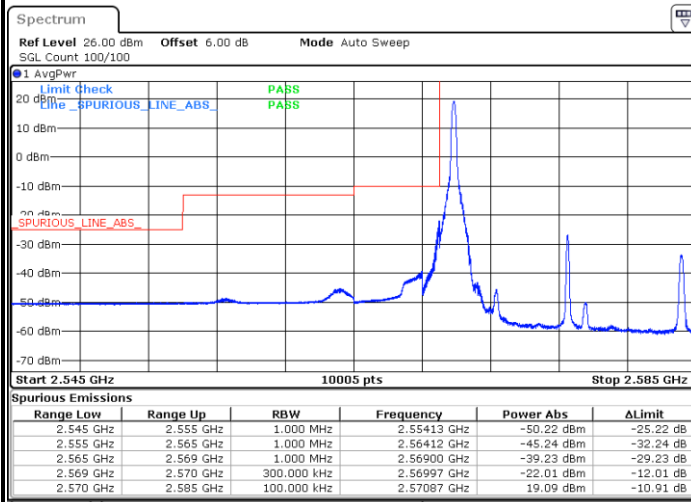
Highest Band Edge / Full RB



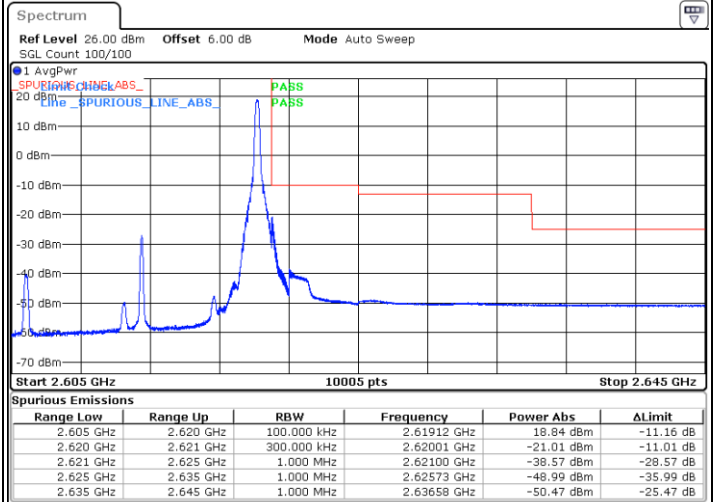


LTE Band 38 / 15MHz / 16QAM

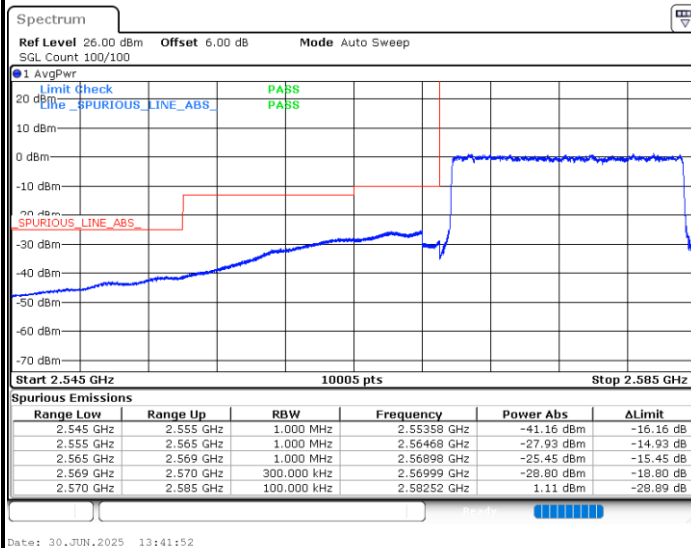
Lowest Band Edge / 1 RB



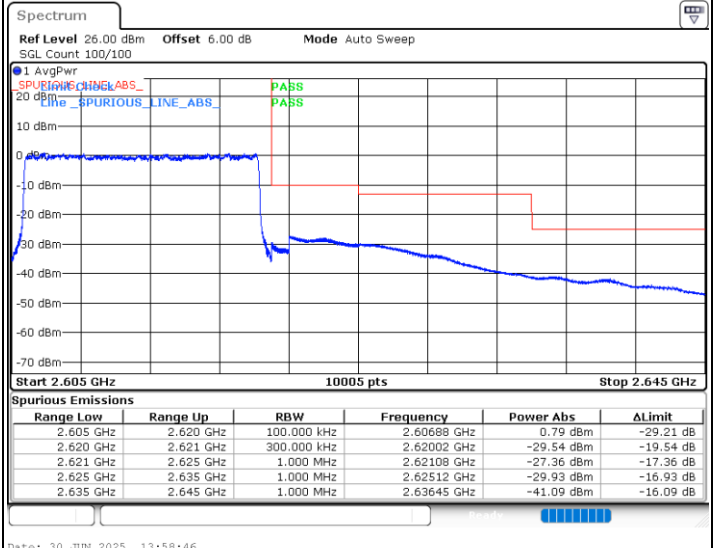
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



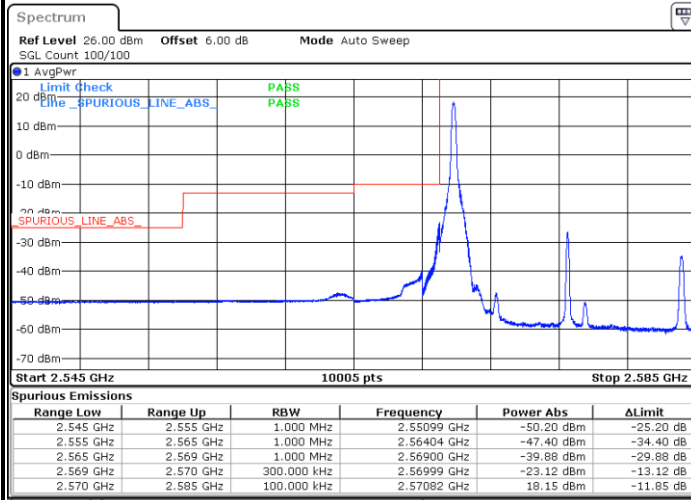
Highest Band Edge / Full RB



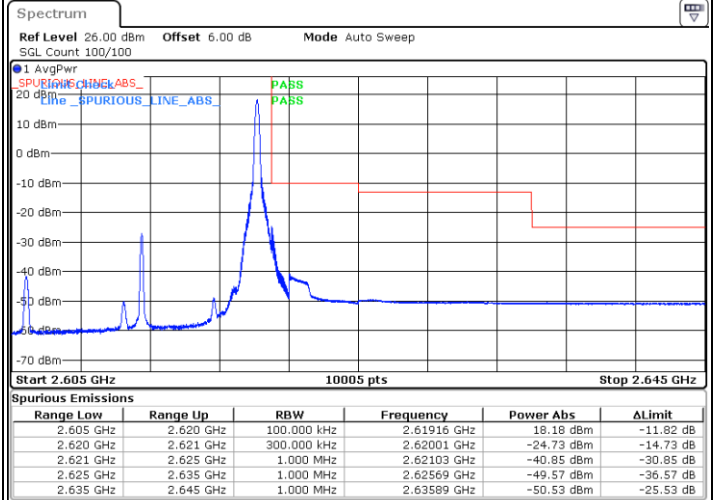


LTE Band 38 / 15MHz / 64QAM

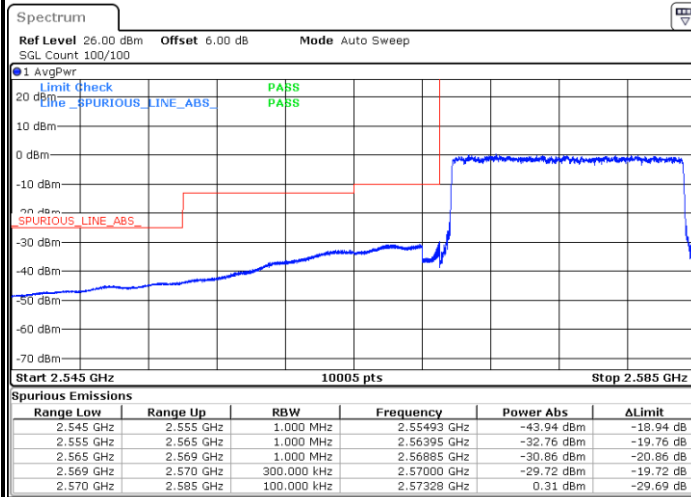
Lowest Band Edge / 1 RB



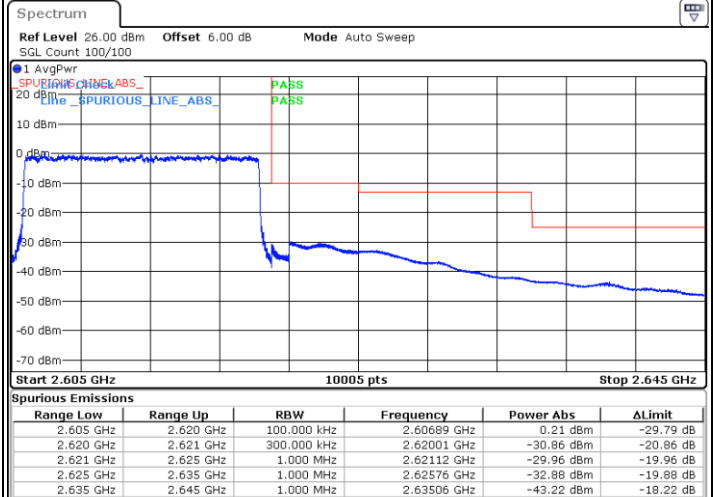
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



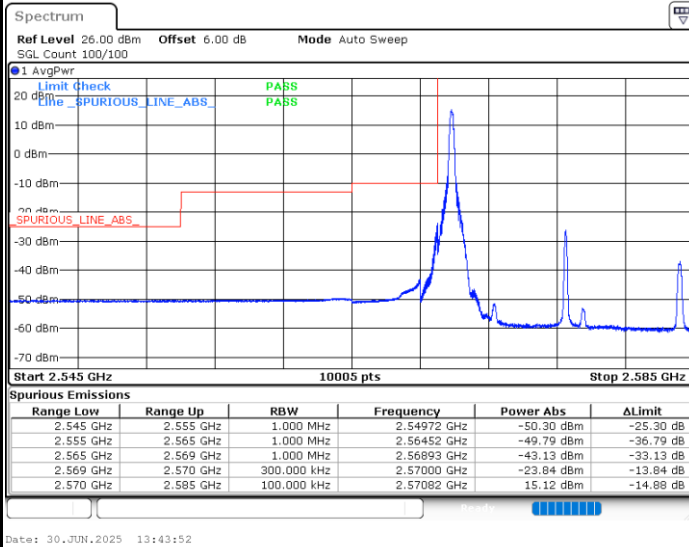
Highest Band Edge / Full RB



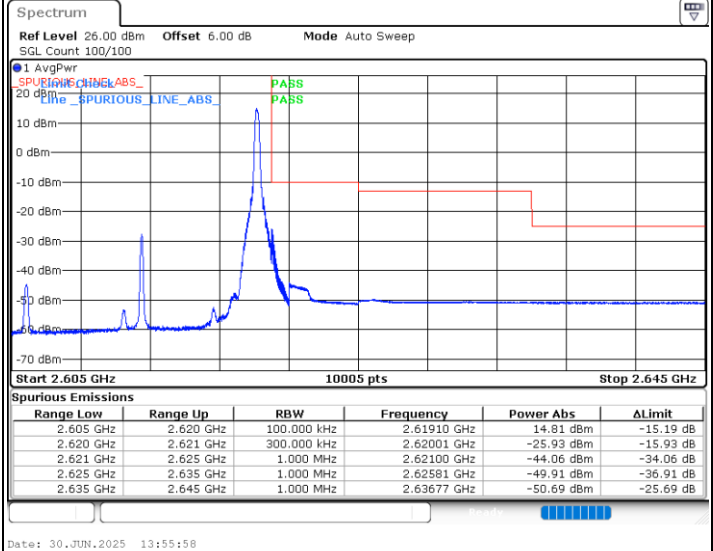


LTE Band 38 / 15MHz / 256QAM

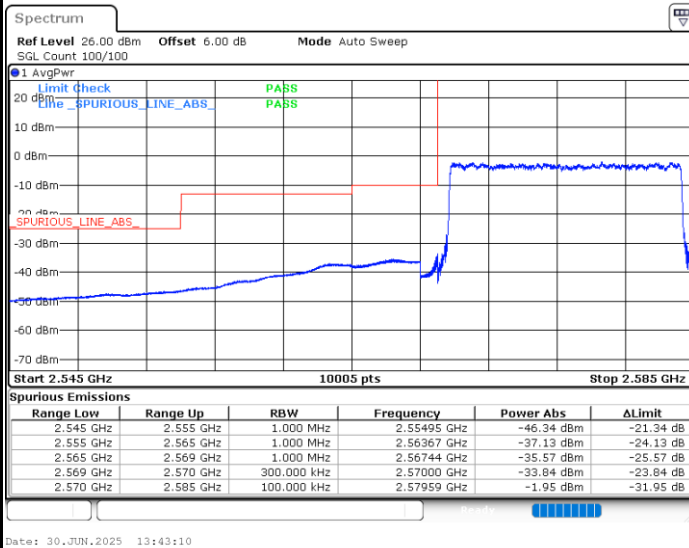
Lowest Band Edge / 1RB



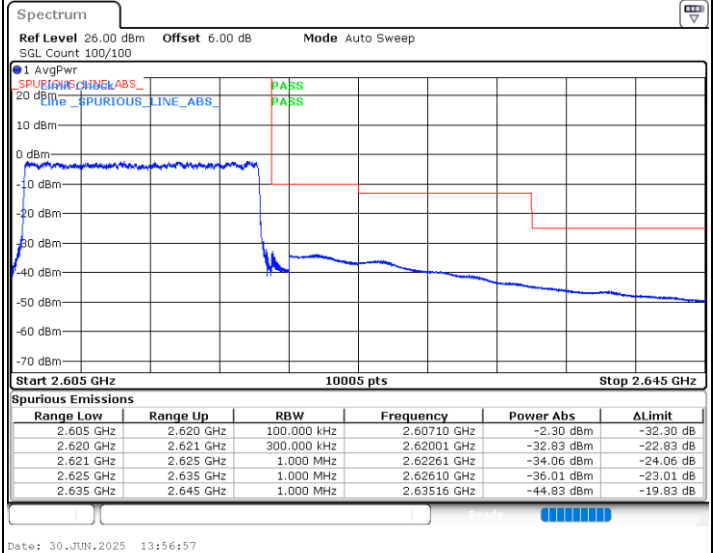
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



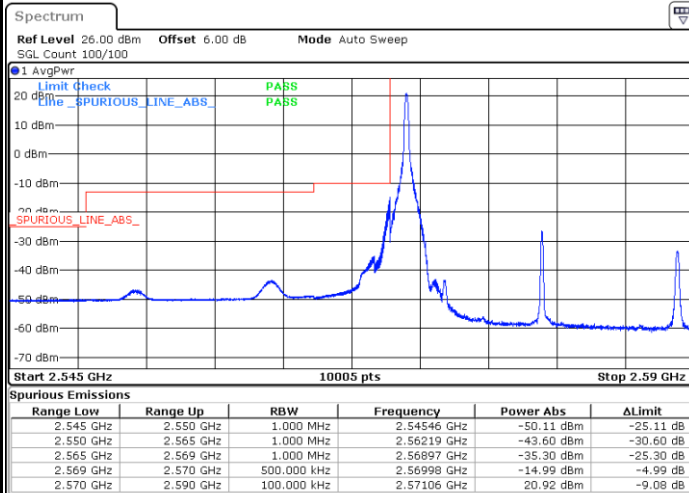
Highest Band Edge / Full RB



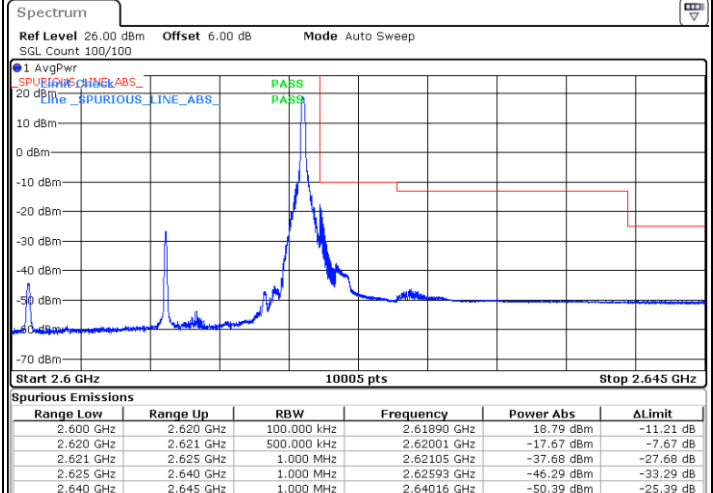


LTE Band 38 / 20MHz / QPSK

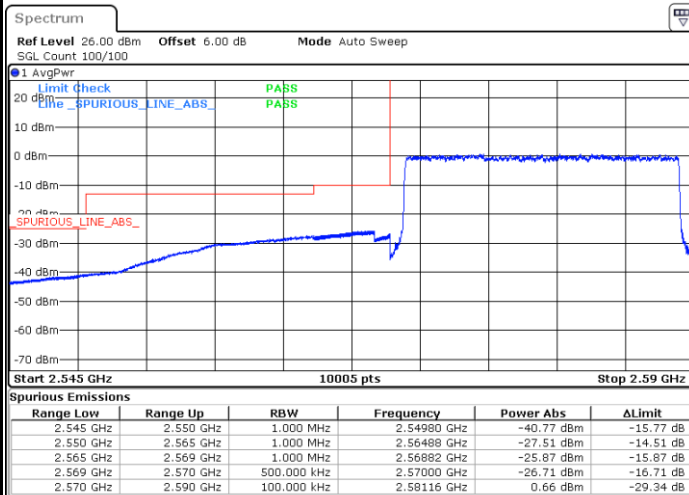
Lowest Band Edge / 1 RB



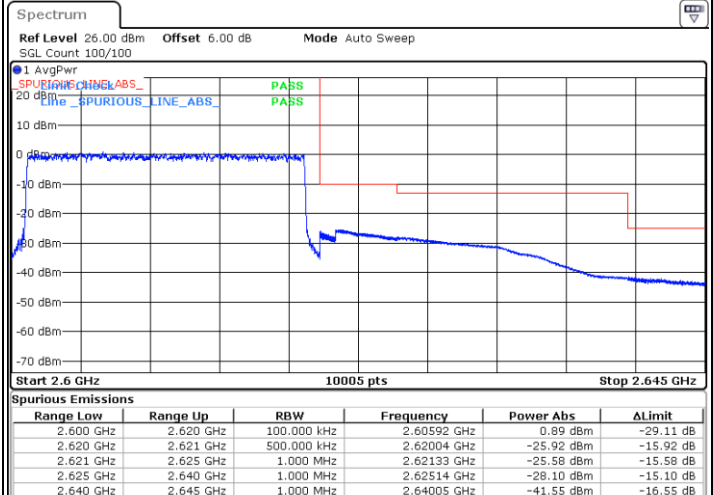
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



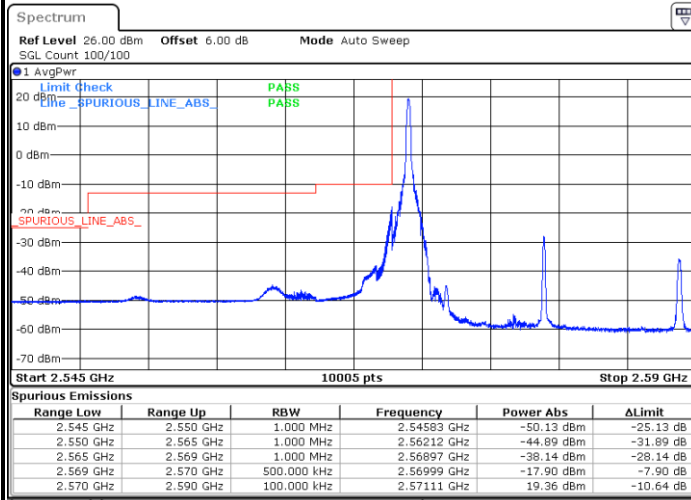
Highest Band Edge / Full RB



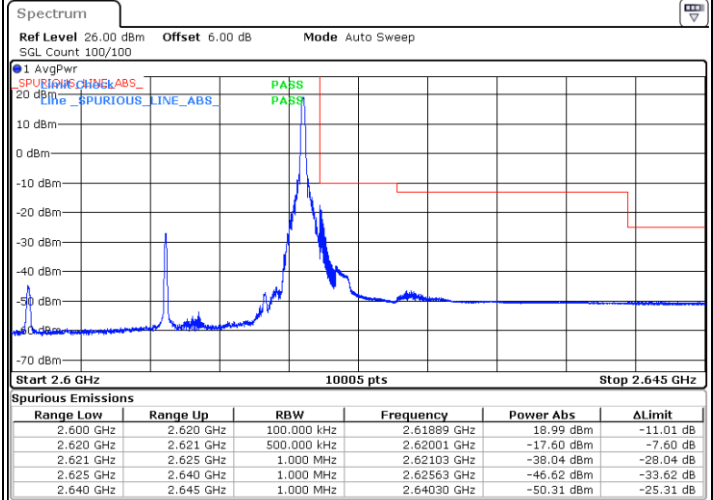


LTE Band 38 / 20MHz / 16QAM

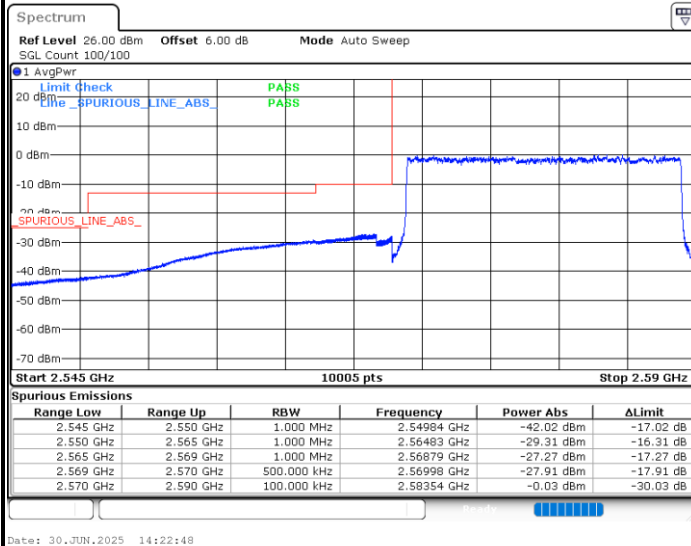
Lowest Band Edge / 1 RB



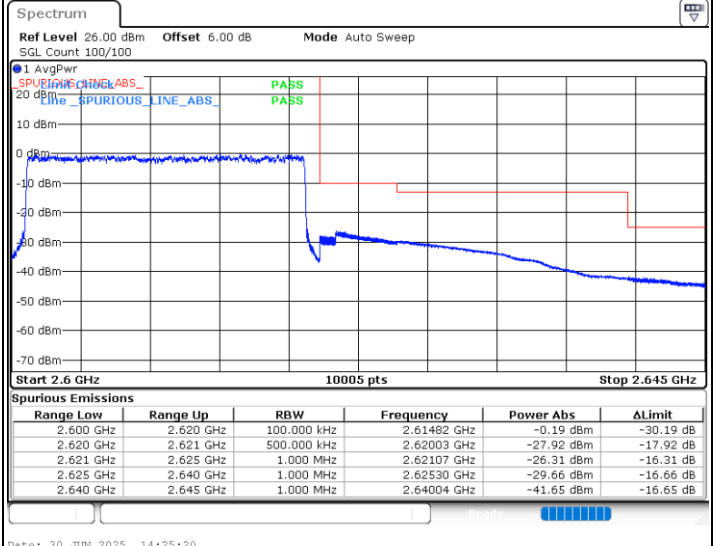
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



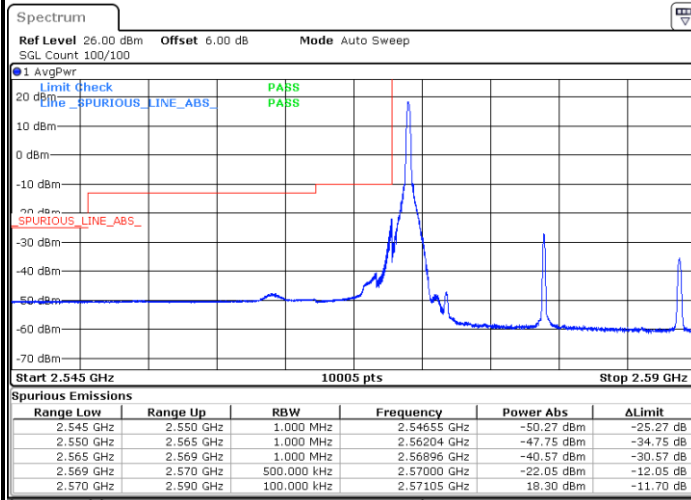
Highest Band Edge / Full RB



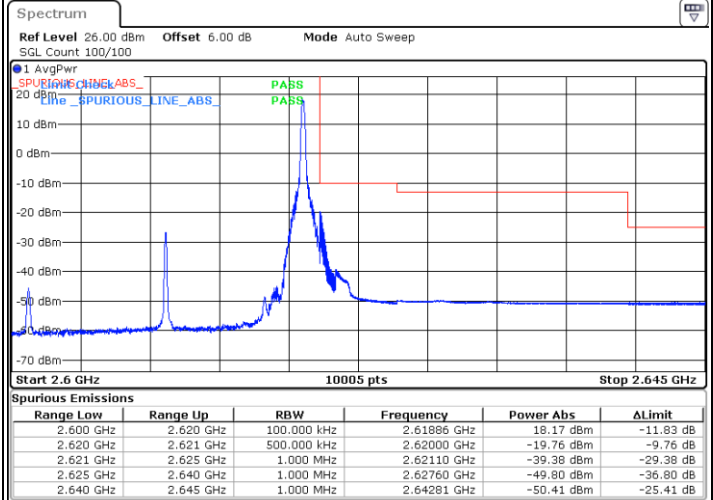


LTE Band 38 / 20MHz / 64QAM

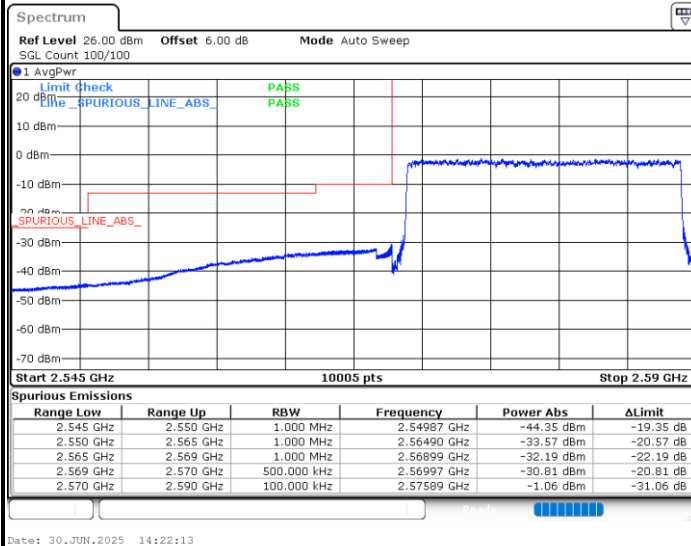
Lowest Band Edge / 1 RB



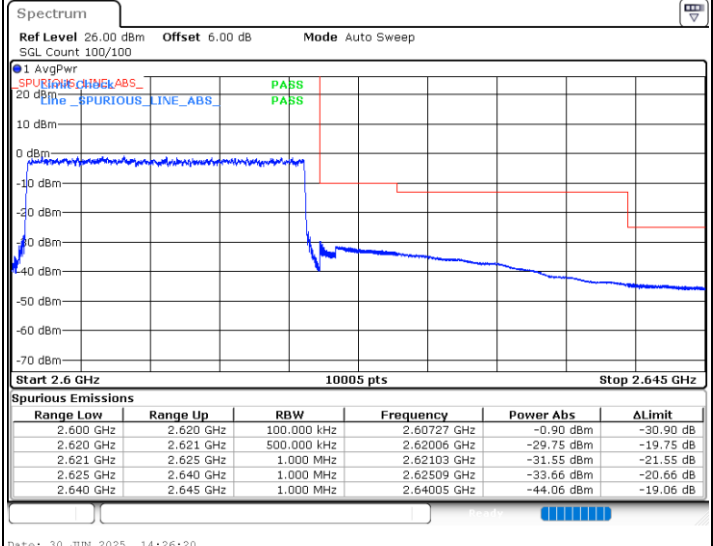
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



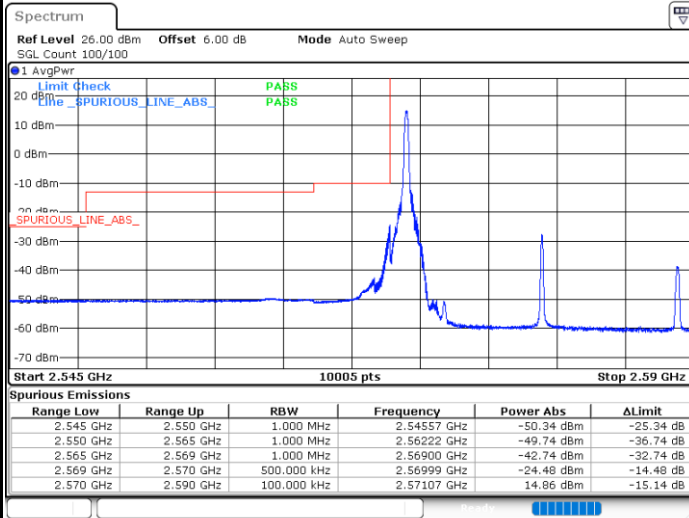
Highest Band Edge / Full RB



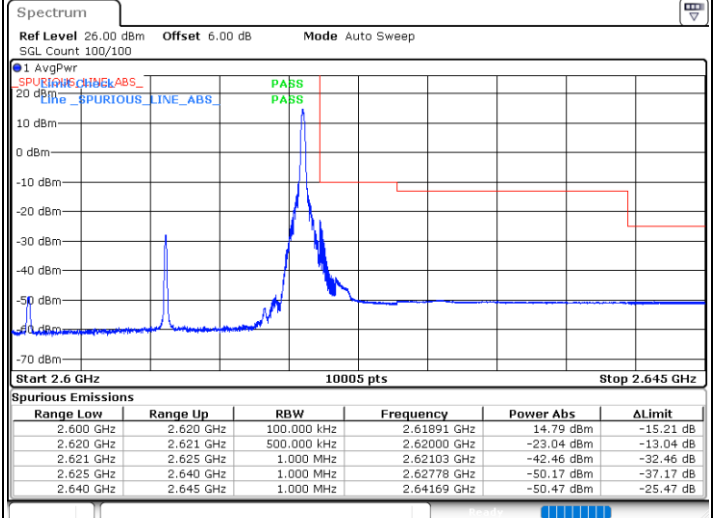


LTE Band 38 / 20MHz / 256QAM

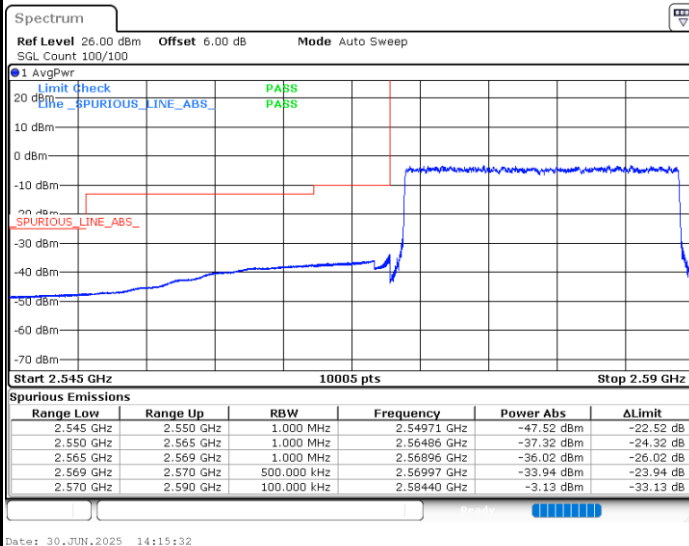
Lowest Band Edge / 1RB



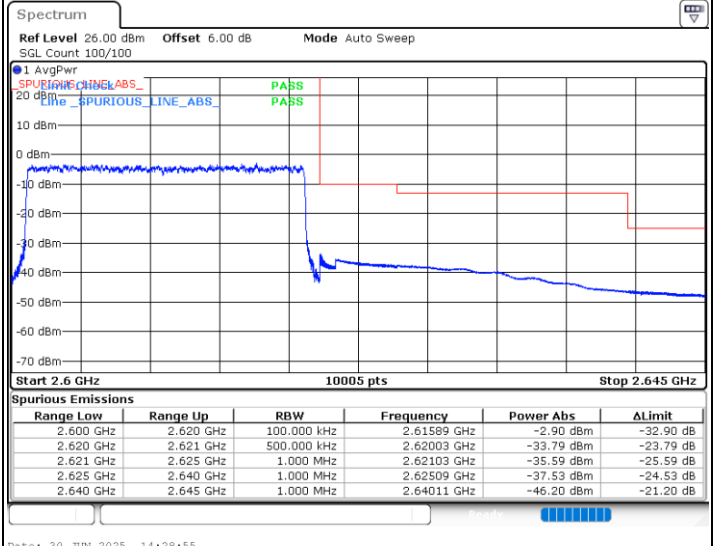
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

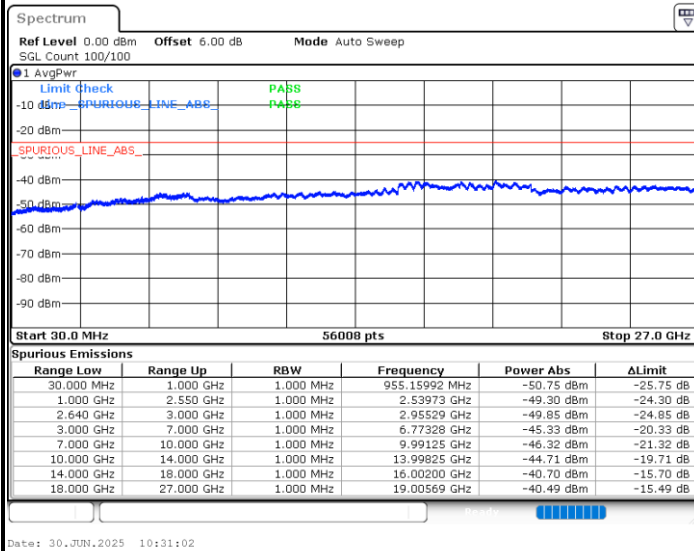




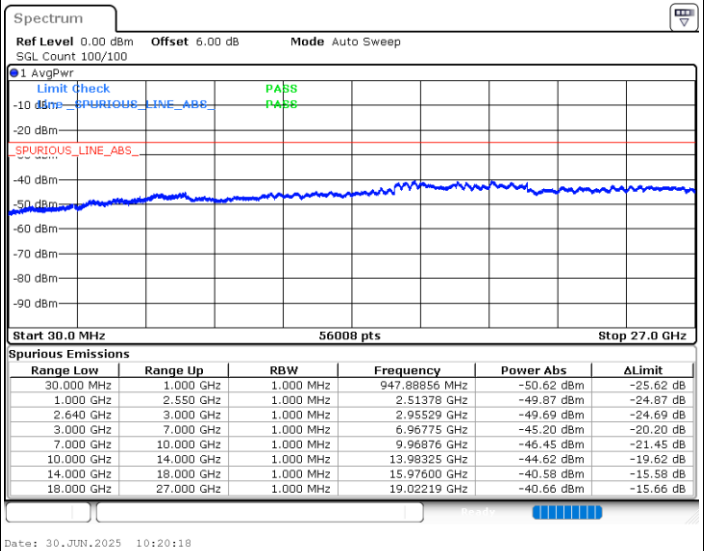
Conducted Spurious Emission

LTE Band 38 / 5MHz

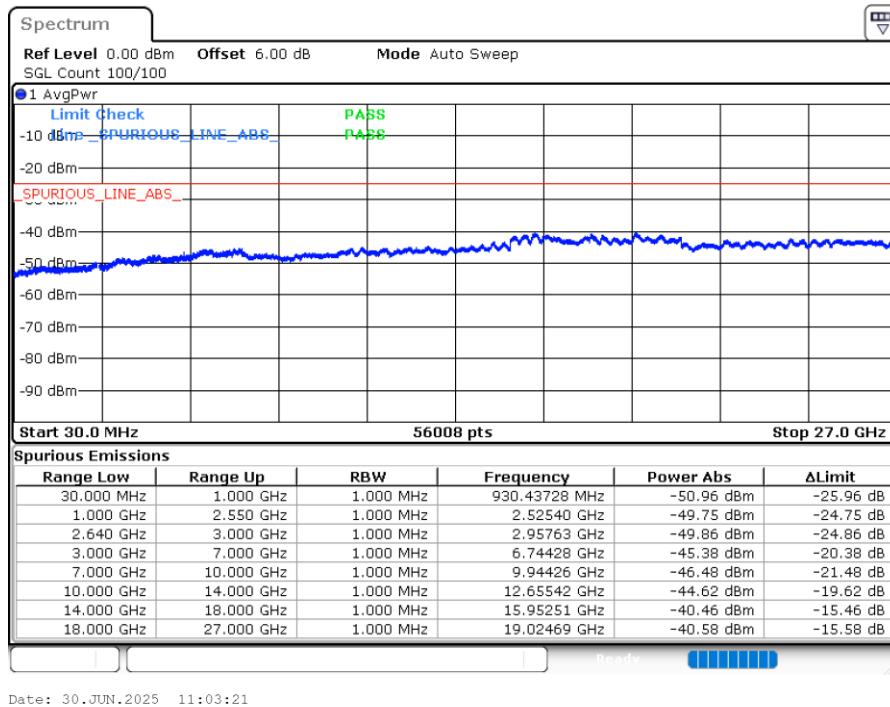
Lowest Channel / QPSK



Middle Channel / QPSK



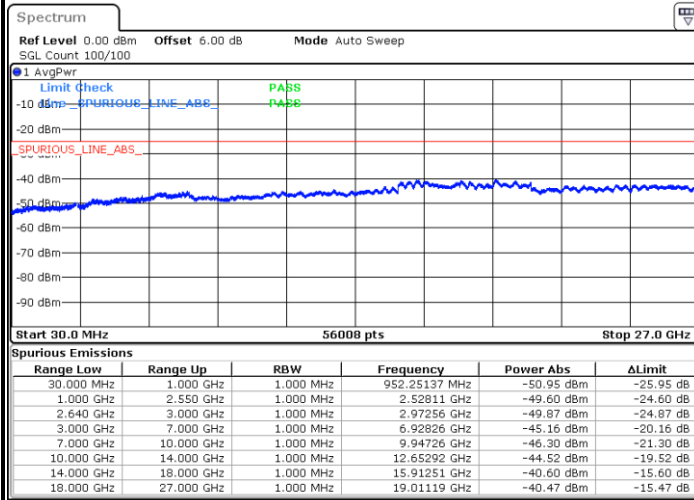
Highest Channel / QPSK





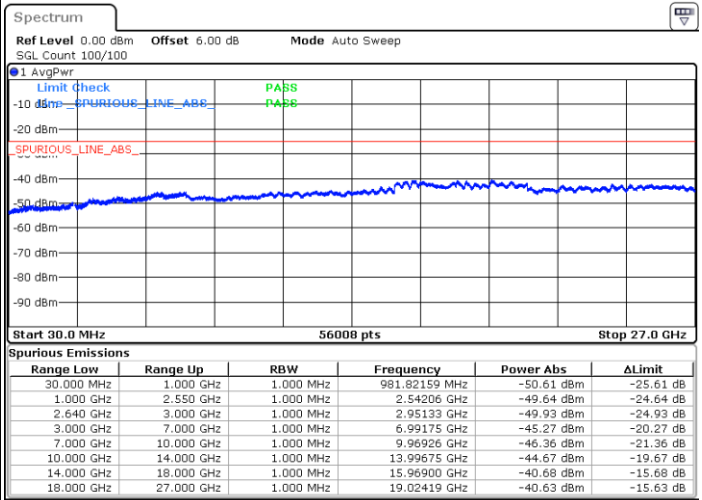
LTE Band 38 / 10MHz

Lowest Channel / QPSK



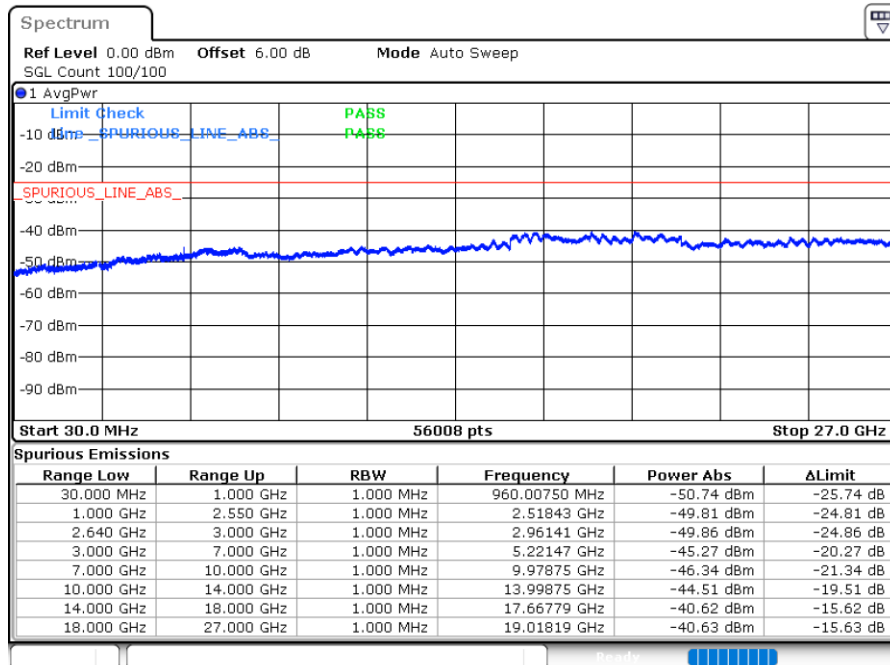
Date: 30.JUN.2025 12:07:21

Middle Channel / QPSK



Date: 30.JUN.2025 11:06:46

Highest Channel / QPSK



Date: 30.JUN.2025 13:35:35