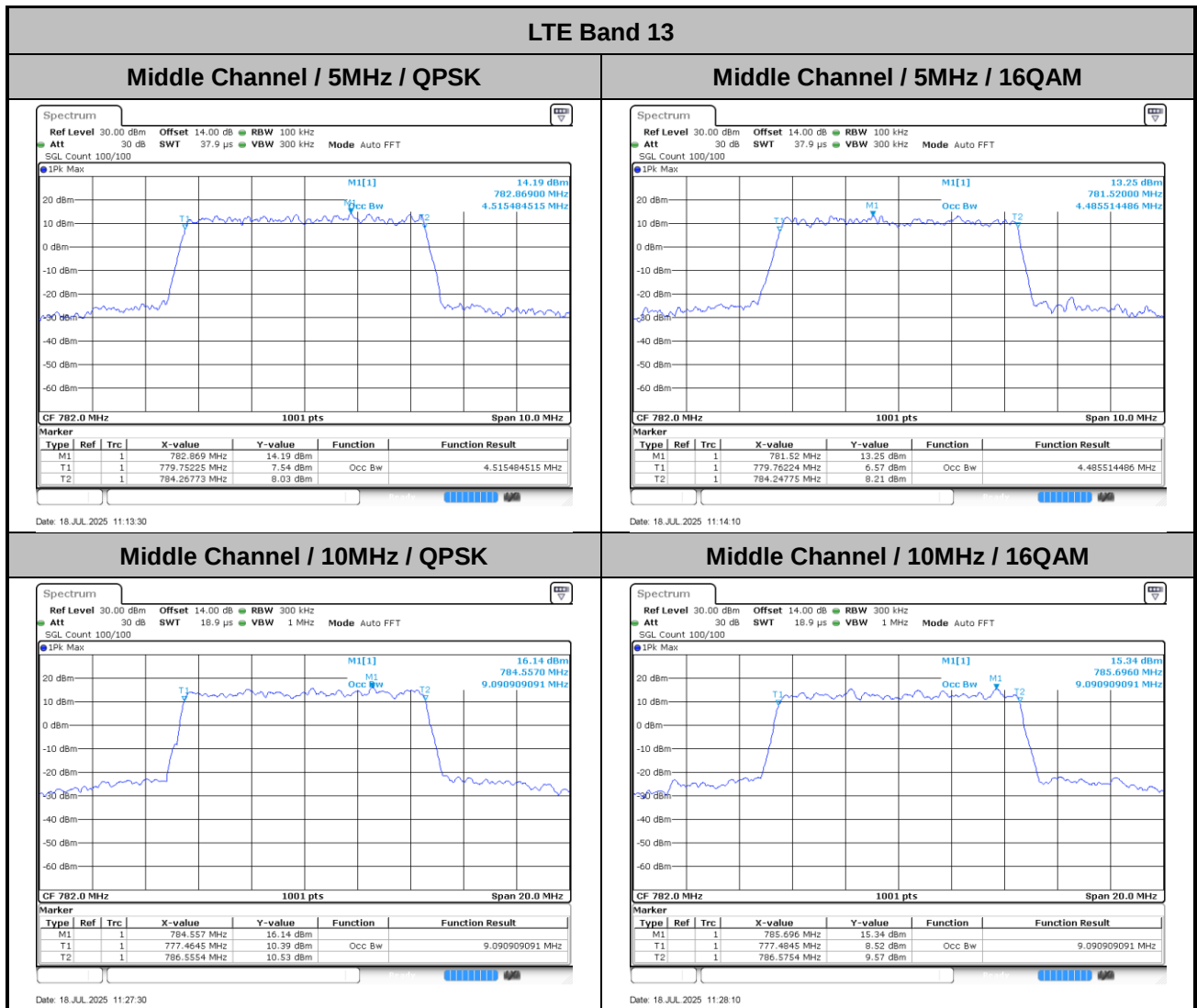




Occupied Bandwidth

Mode	LTE Band 13 : 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	-	-	-	-	4.52	4.49	9.09	9.09	-	-	-	-

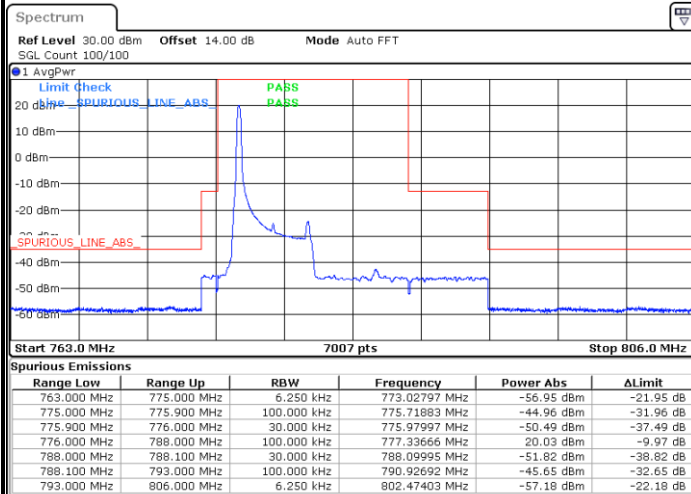




Conducted Band Edge

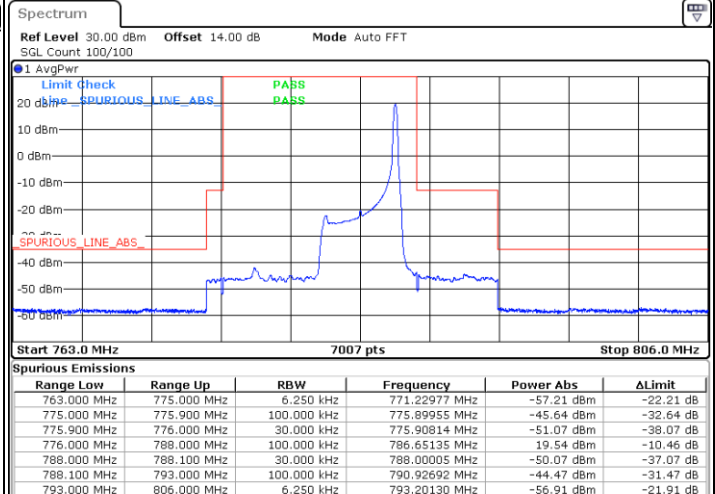
LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB



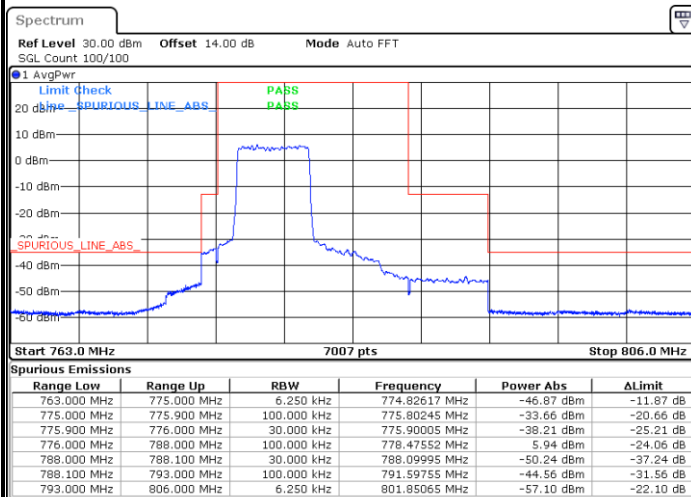
Date: 18 JUL 2025 11:07:44

Highest Band Edge / 1 RB



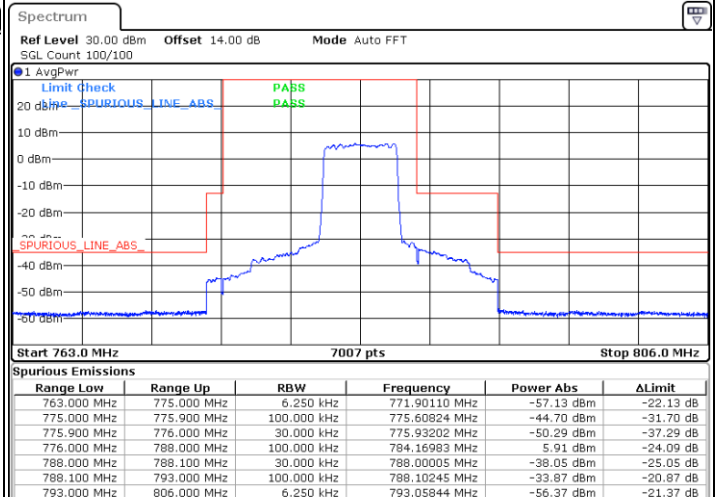
Date: 18 JUL 2025 11:15:03

Lowest Band Edge / Full RB



Date: 18 JUL 2025 11:09:45

Highest Band Edge / Full RB

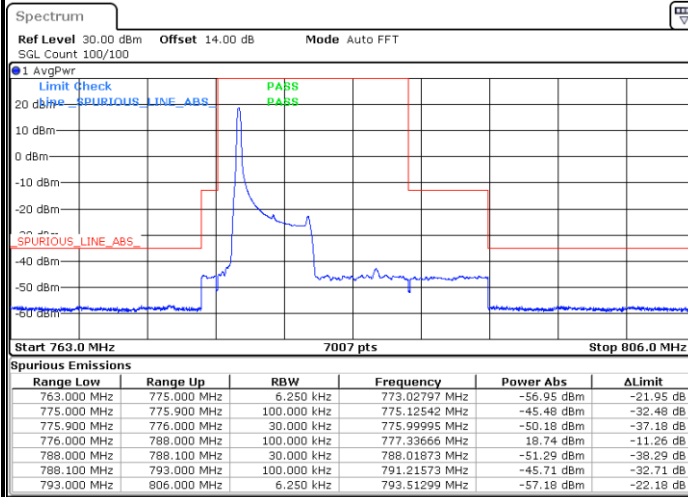


Date: 18 JUL 2025 11:17:05



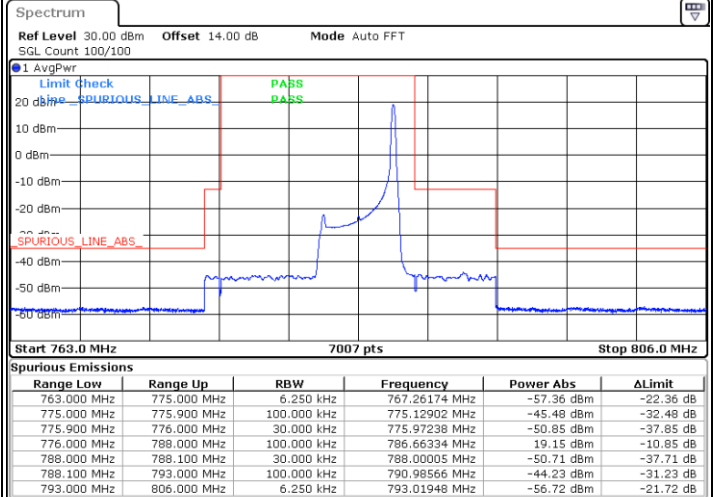
LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



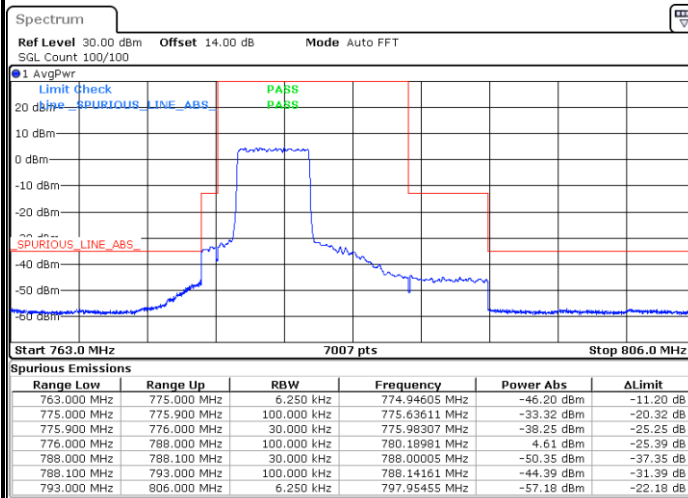
Date: 18 JUL 2025 11:08:25

Highest Band Edge / 1 RB



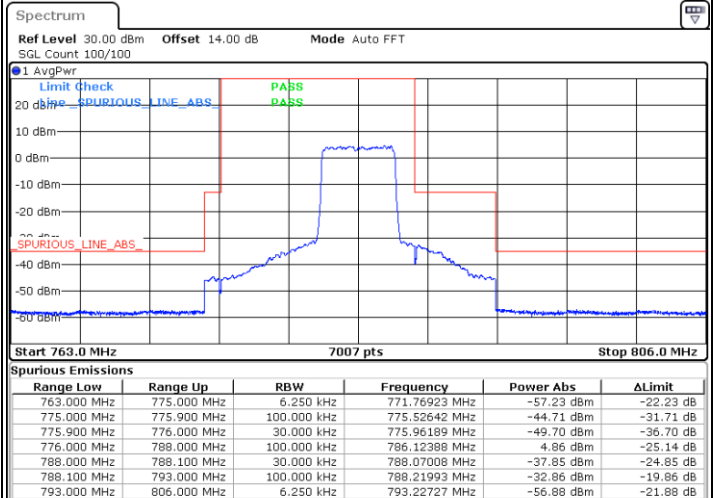
Date: 18 JUL 2025 11:15:43

Lowest Band Edge / Full RB



Date: 18 JUL 2025 11:10:26

Highest Band Edge / Full RB

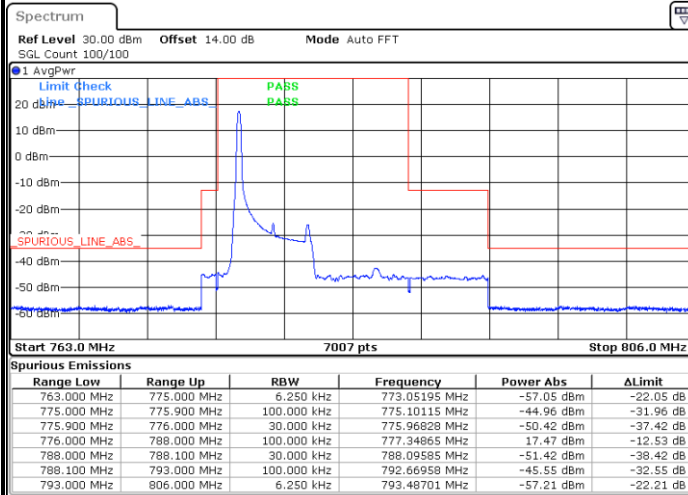


Date: 18 JUL 2025 11:17:45



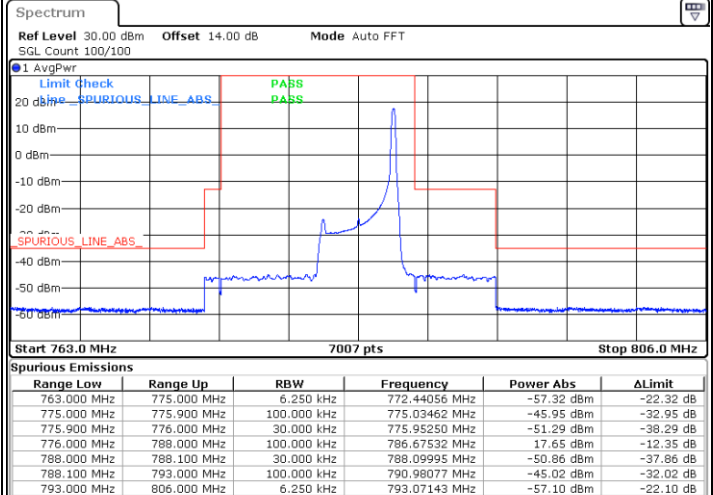
LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



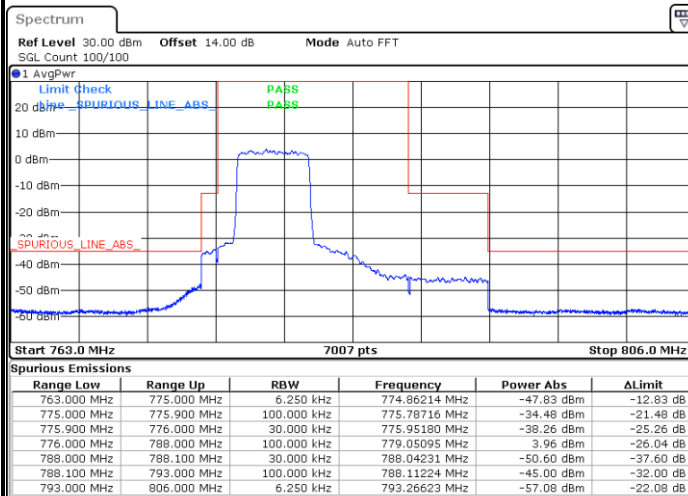
Date: 18 JUL 2025 11:09:05

Highest Band Edge / 1 RB



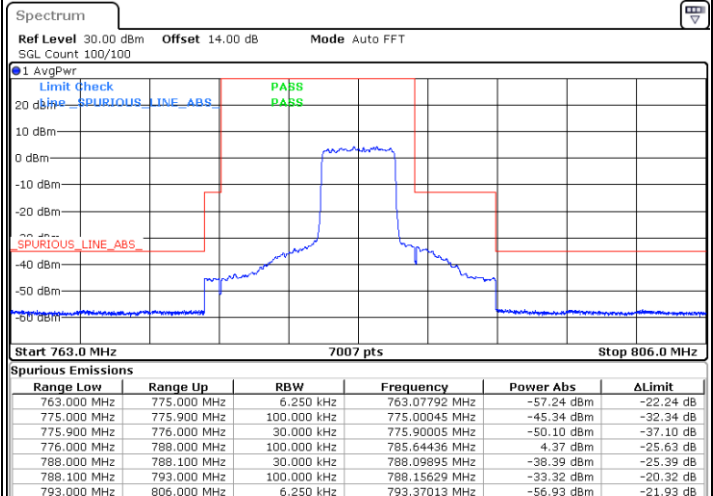
Date: 18 JUL 2025 11:16:23

Lowest Band Edge / Full RB



Date: 18 JUL 2025 11:11:06

Highest Band Edge / Full RB

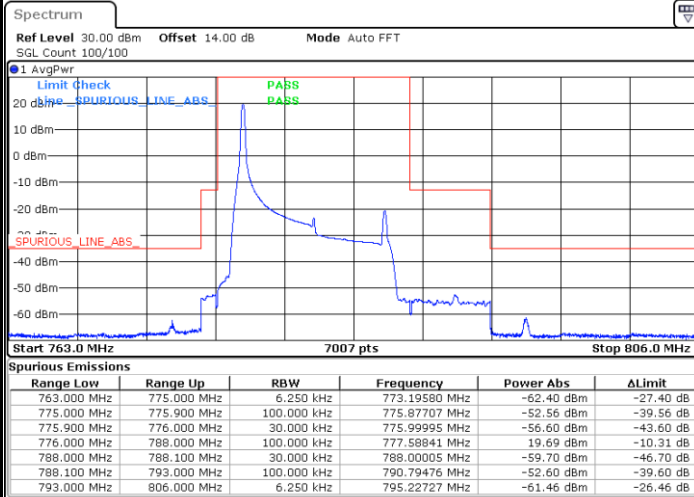


Date: 18 JUL 2025 11:18:25



LTE Band 13 / 10MHz / QPSK

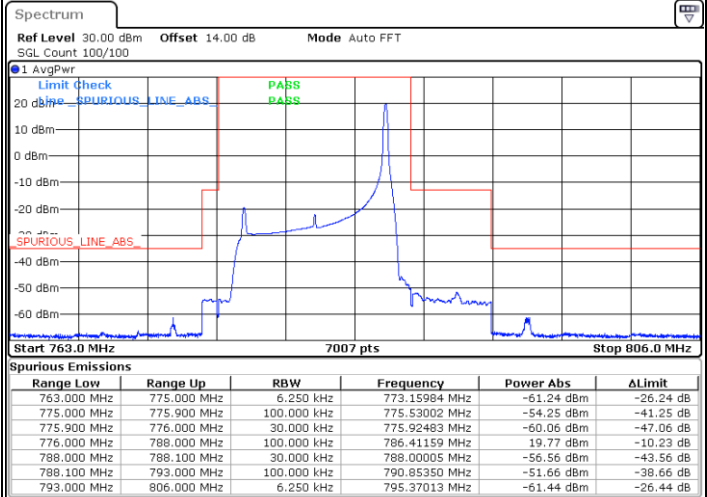
Band Edge / 1 RB



Date: 18 JUL 2025 11:20:48

LTE Band 13 / 10MHz / QPSK

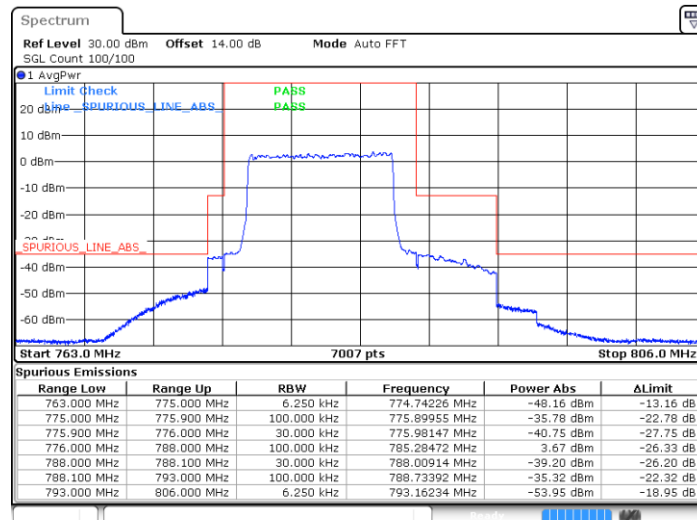
Band Edge / 1 RB



Date: 18 JUL 2025 11:22:47

LTE Band 13 / 10MHz / QPSK

Band Edge / Full RB

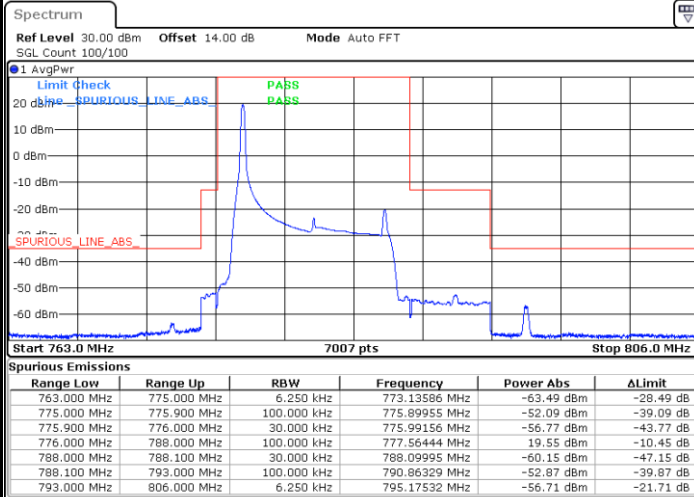


Date: 18 JUL 2025 11:24:46



LTE Band 13 / 10MHz / 16QAM

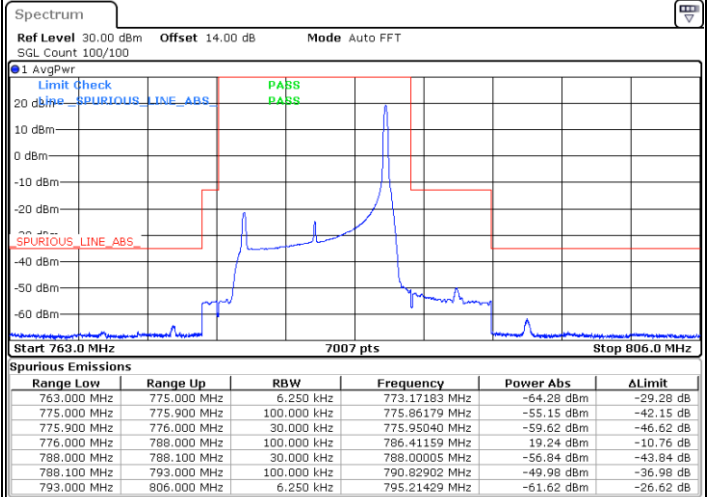
Band Edge / 1 RB



Date: 18 JUL 2025 11:21:27

LTE Band 13 / 10MHz / 16QAM

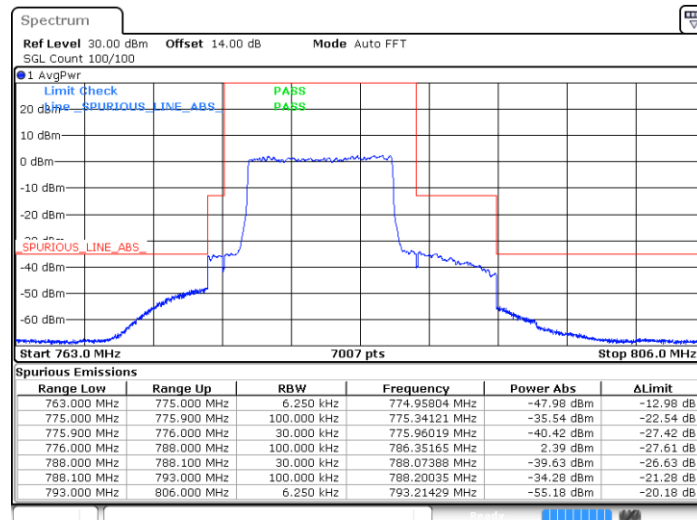
Band Edge / 1 RB



Date: 18 JUL 2025 11:23:27

LTE Band 13 / 10MHz / 16QAM

Band Edge / Full RB

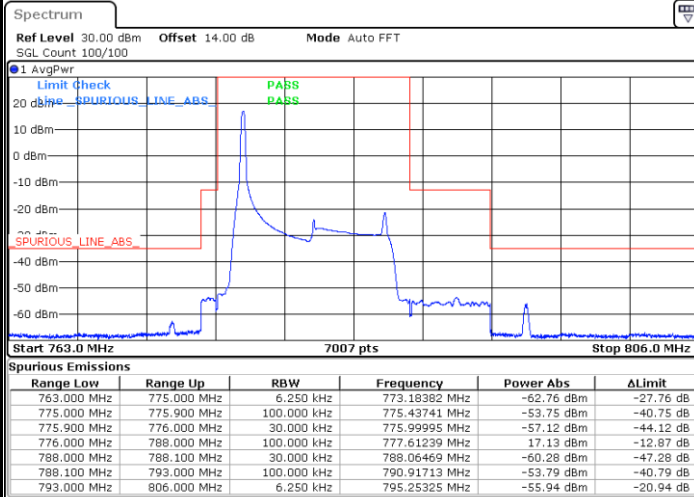


Date: 18 JUL 2025 11:25:26



LTE Band 13 / 10MHz / 64QAM

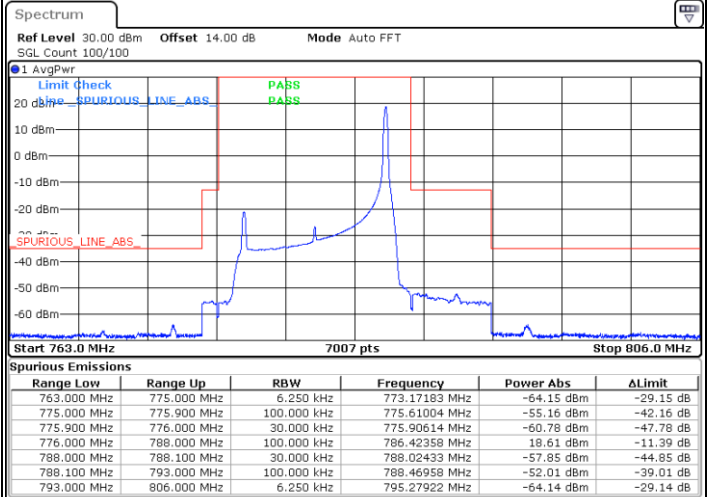
Band Edge / 1 RB



Date: 18 JUL 2025 11:22:07

LTE Band 13 / 10MHz / 64QAM

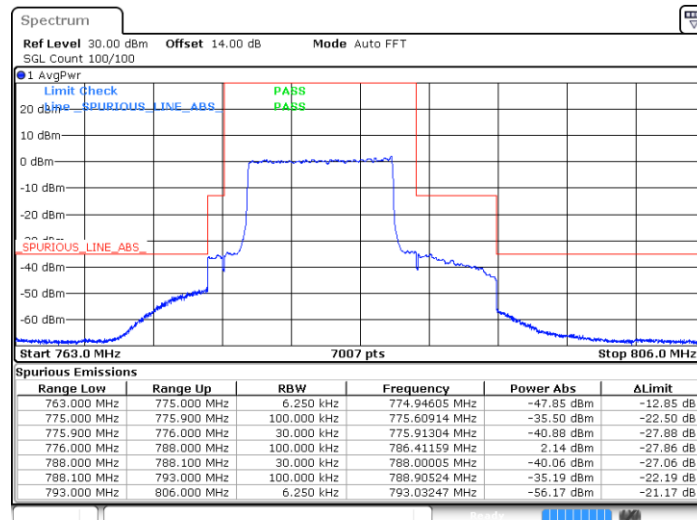
Band Edge / 1 RB



Date: 18 JUL 2025 11:24:06

LTE Band 13 / 10MHz / 64QAM

Band Edge / Full RB



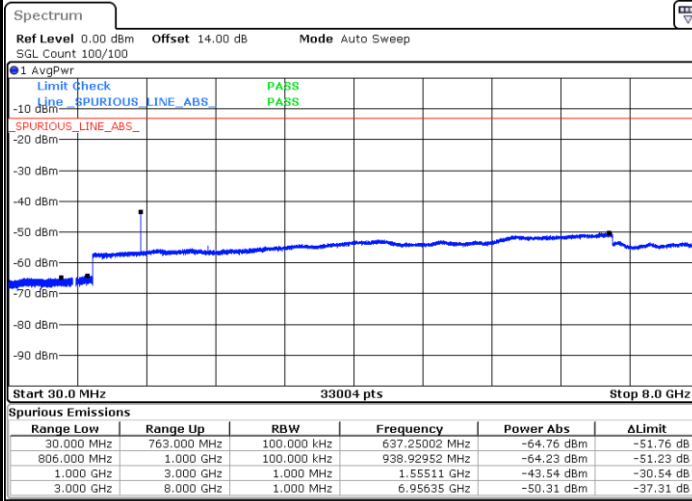
Date: 18 JUL 2025 11:26:05



Conducted Spurious Emission

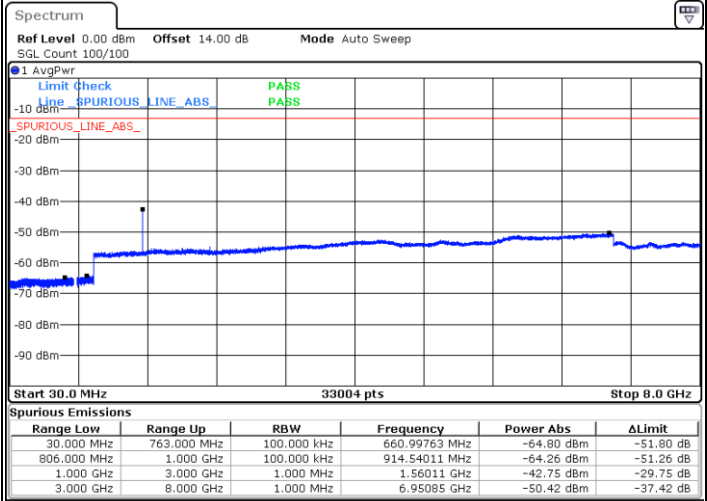
LTE Band 13 / 5MHz

Lowest Channel / QPSK



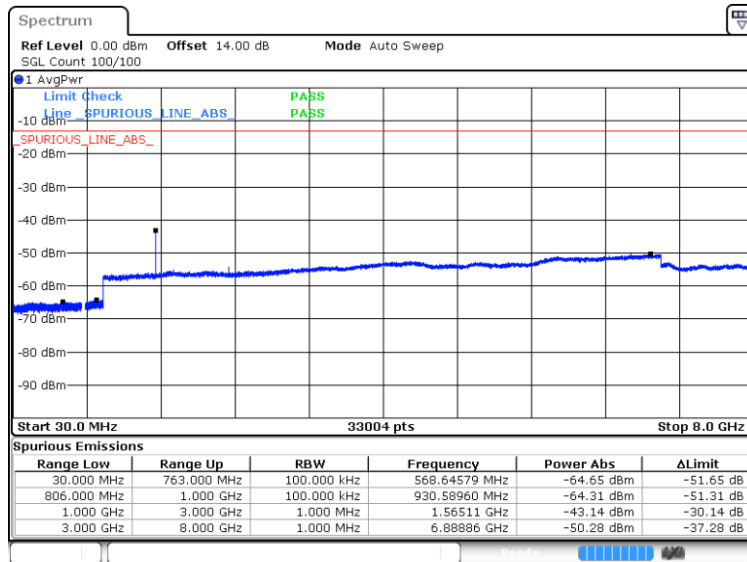
Date: 18 JUL 2025 11:12:06

Middle Channel / QPSK



Date: 18 JUL 2025 11:13:05

Highest Channel / QPSK

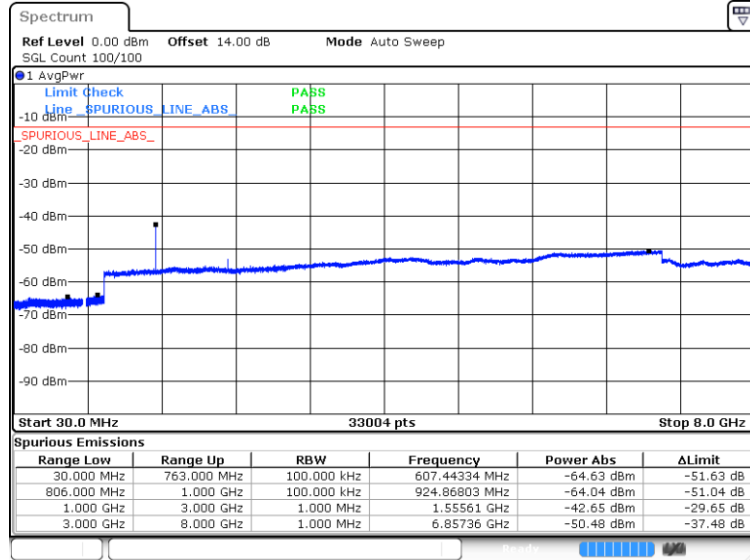


Date: 18 JUL 2025 11:19:25



LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 18 JUL 2025 11:27:05

**Frequency Stability**

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0028	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0024	

Note:

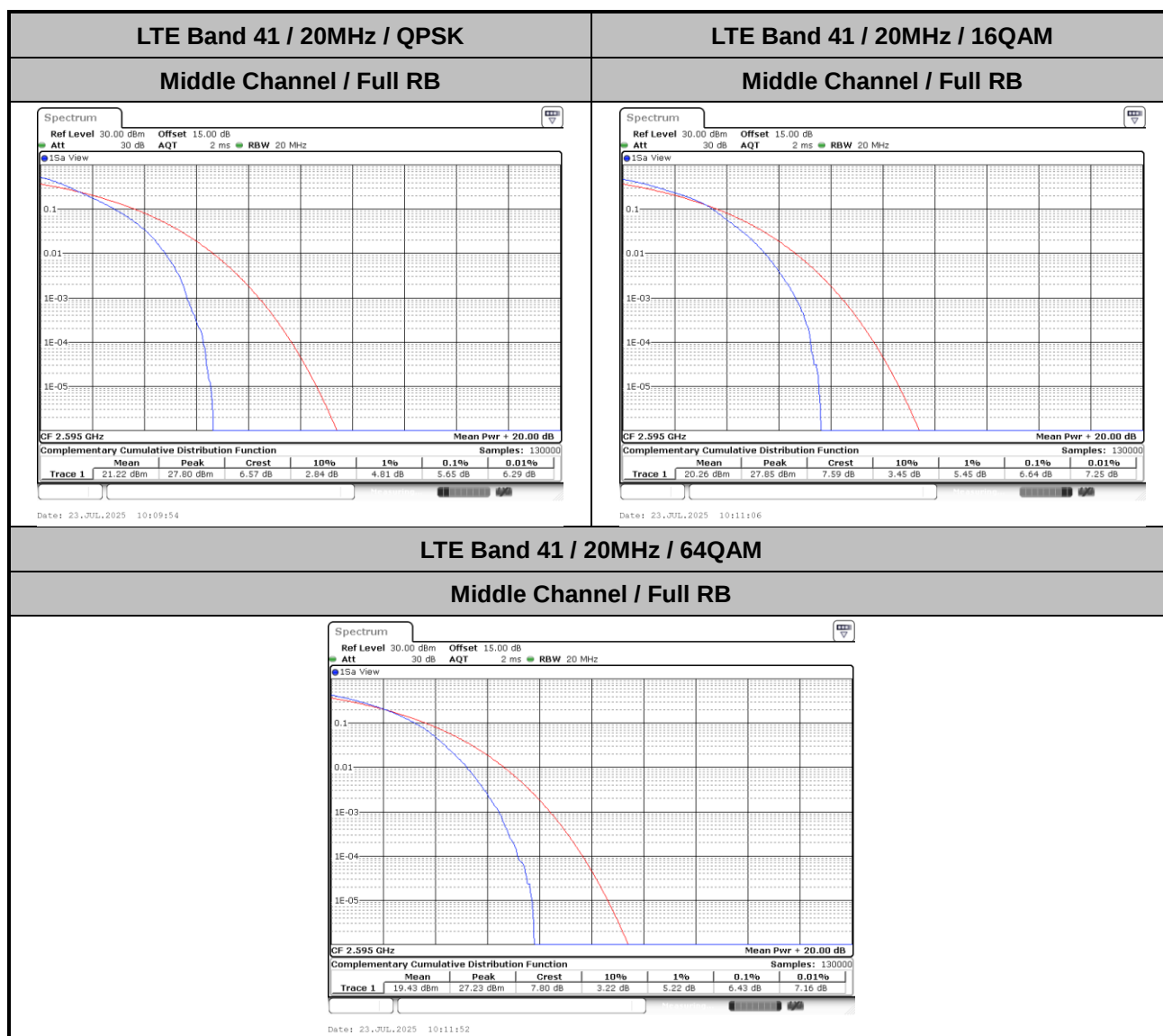
1. Normal Voltage =3.91 V.; Battery End Point (BEP) =3.7 V.; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



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	5.65	6.64	6.43	PASS



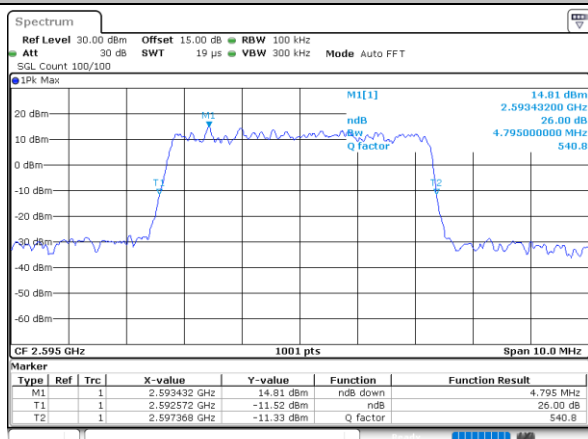


26dB Bandwidth

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	-	-	-	-	4.80	4.80	9.75	9.77	14.42	14.15	18.62	18.86

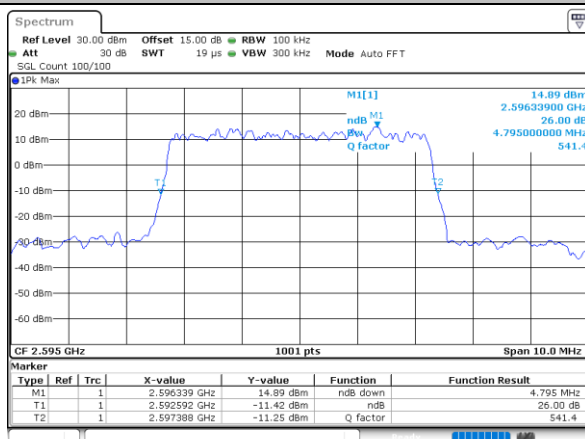
LTE Band 41

Middle Channel / 5MHz / QPSK



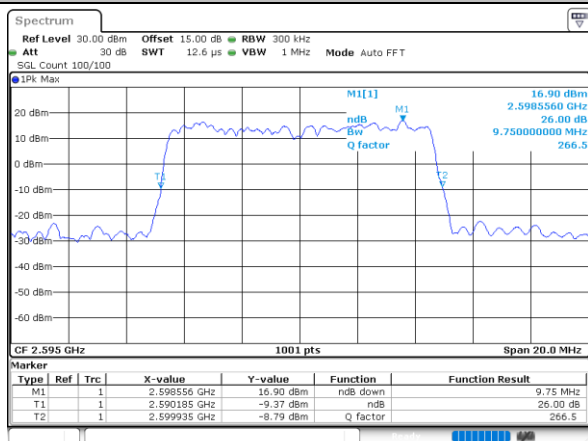
Date: 23.JUL.2025 23:52:17

Middle Channel / 5MHz / 16QAM



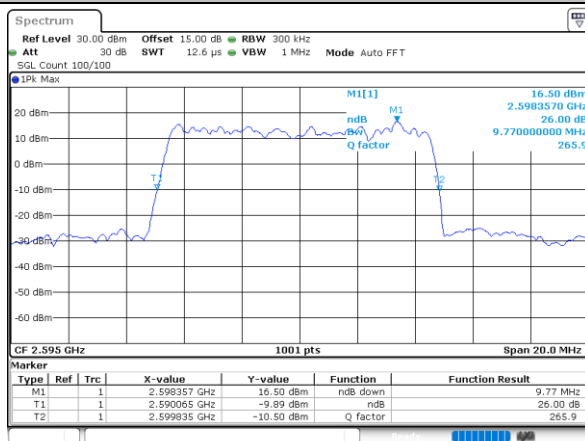
Date: 23.JUL.2025 08:49:26

Middle Channel / 10MHz / QPSK



Date: 23.JUL.2025 08:52:03

Middle Channel / 10MHz / 16QAM

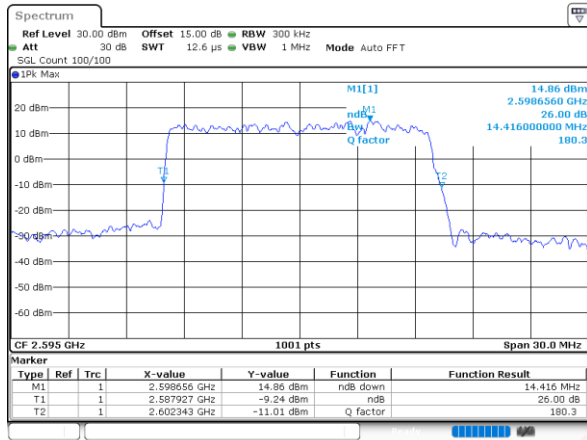


Date: 23.JUL.2025 08:51:13

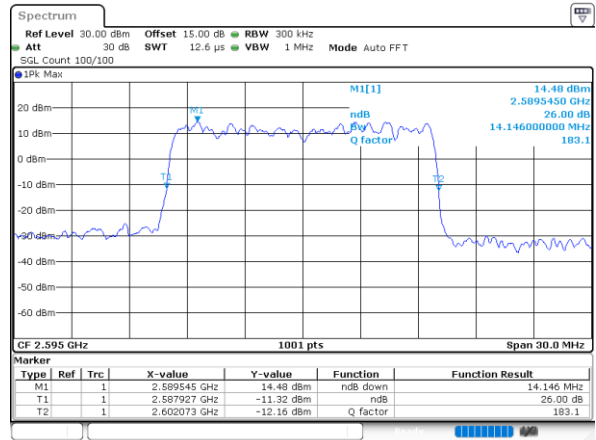


LTE Band 41

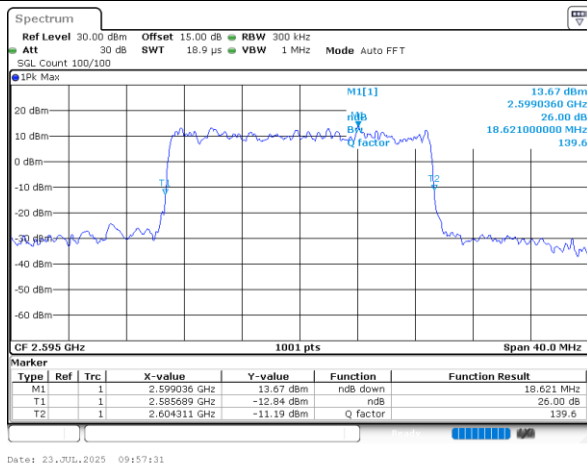
Middle Channel / 15MHz / QPSK



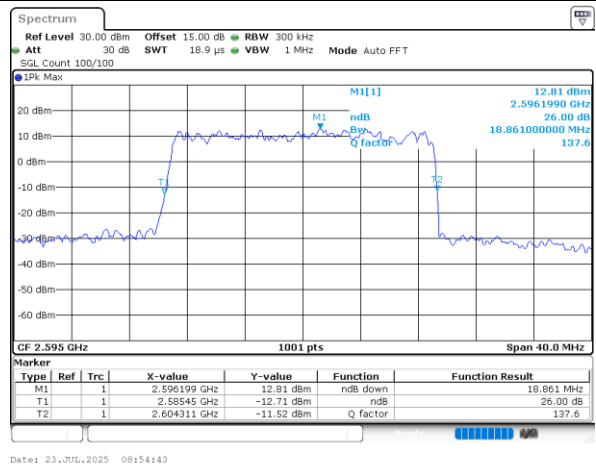
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



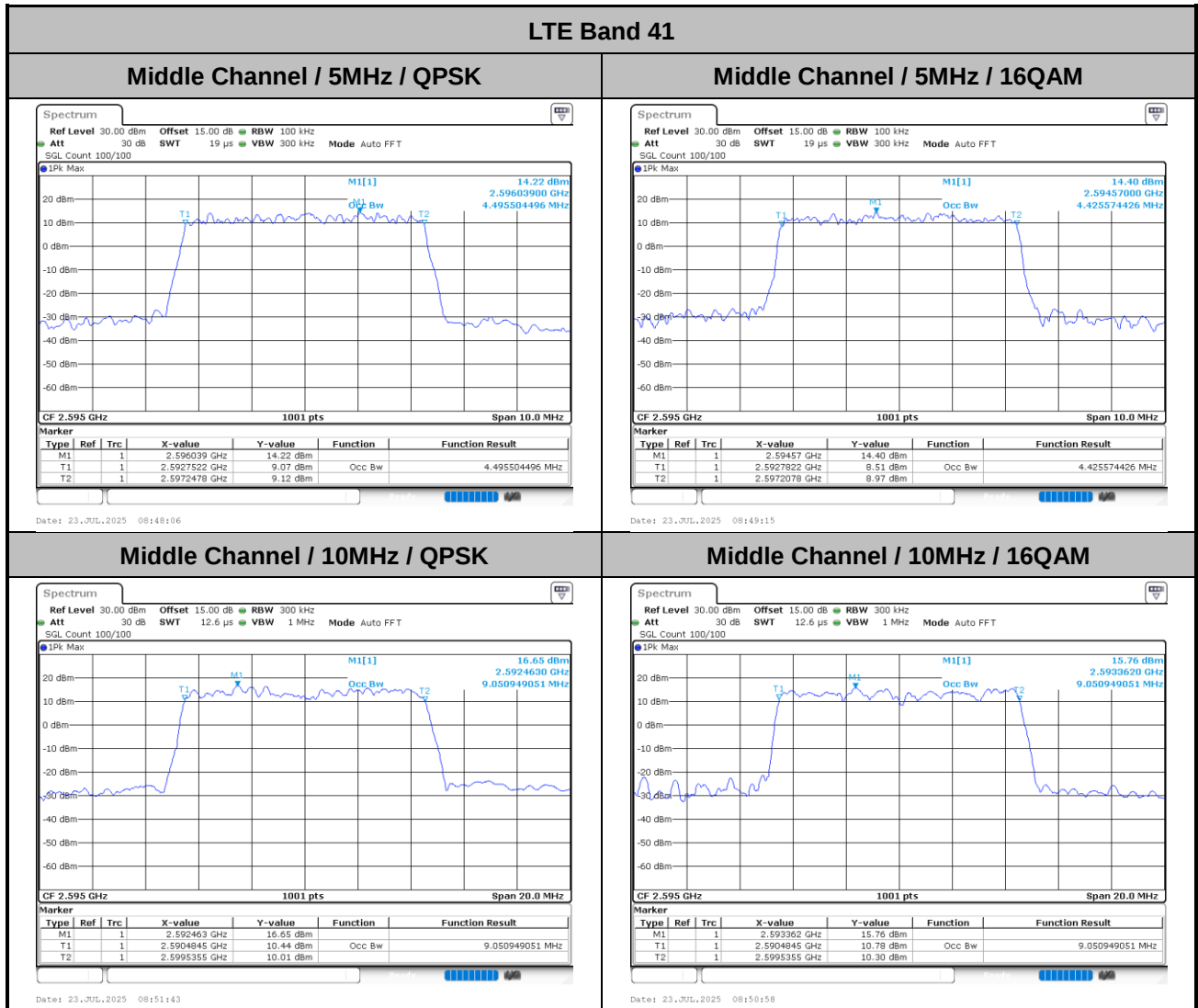
Middle Channel / 20MHz / 16QAM





Occupied Bandwidth

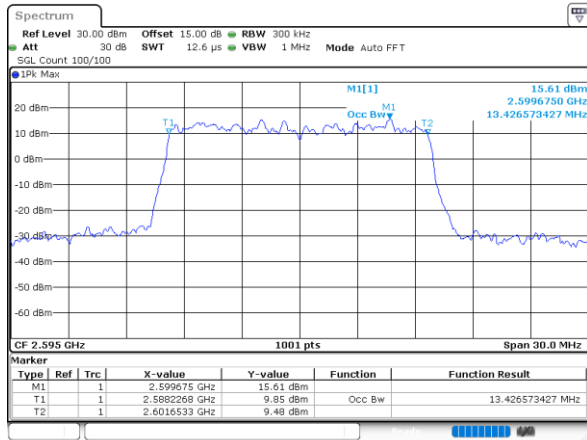
Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.50	4.43	9.05	9.05	13.43	13.37	17.90	17.94



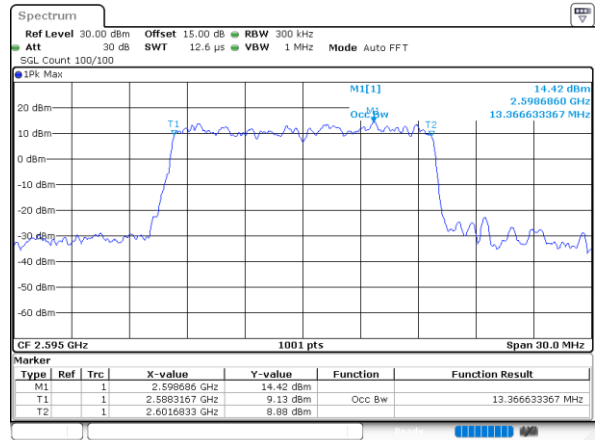


LTE Band 41

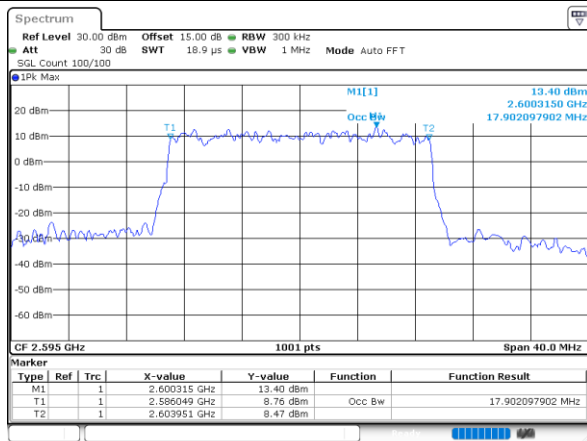
Middle Channel / 15MHz / QPSK



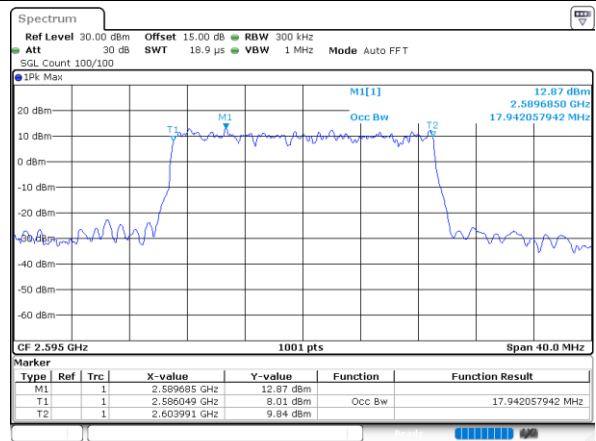
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

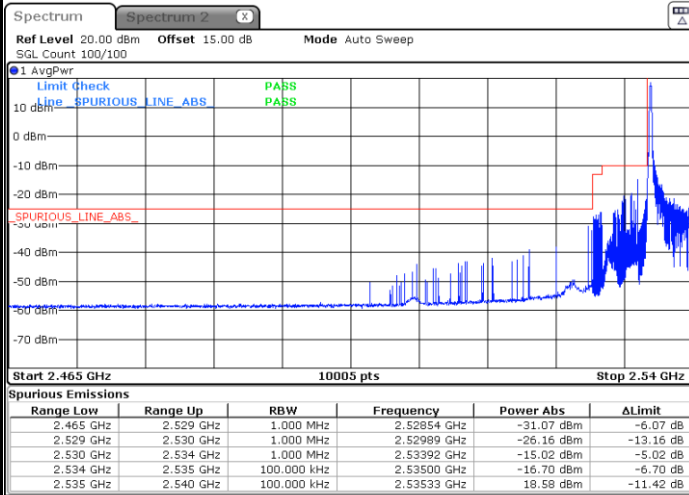




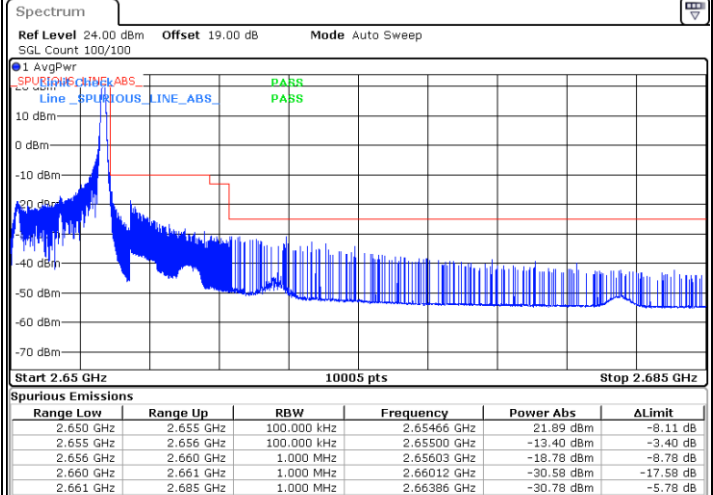
Conducted Band Edge

LTE Band 41 / 5MHz / QPSK

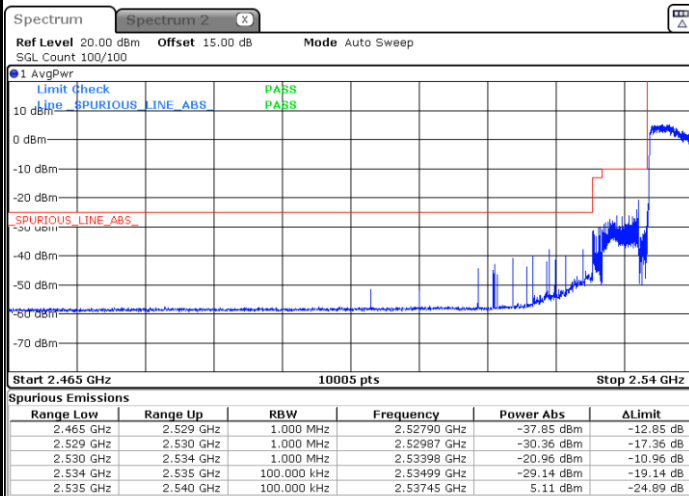
Lowest Band Edge / 1 RB



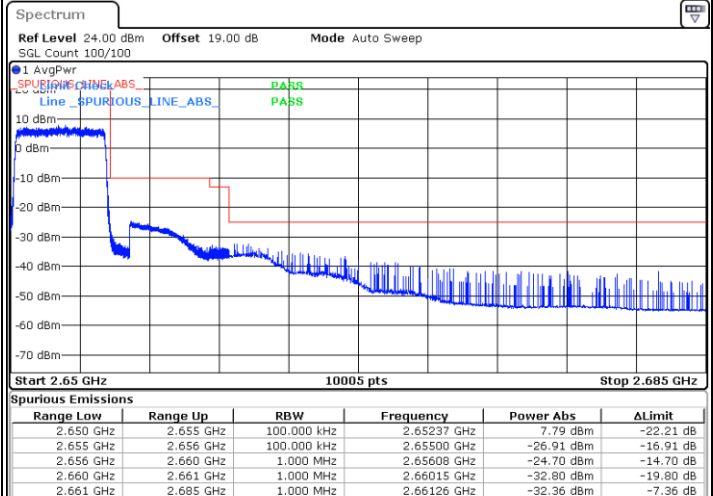
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



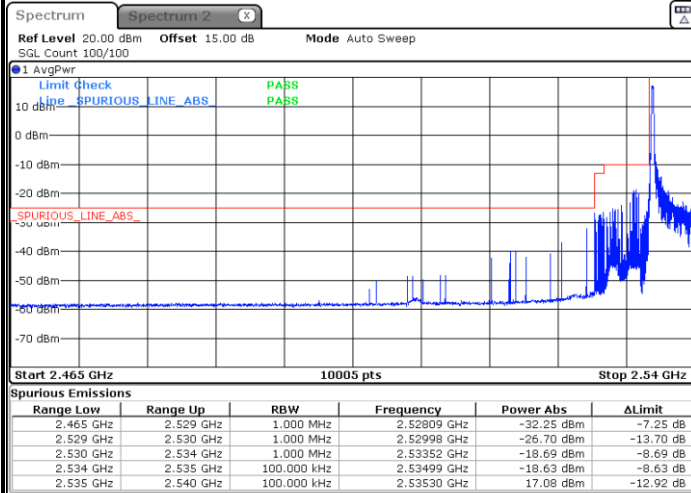
Highest Band Edge / Full RB



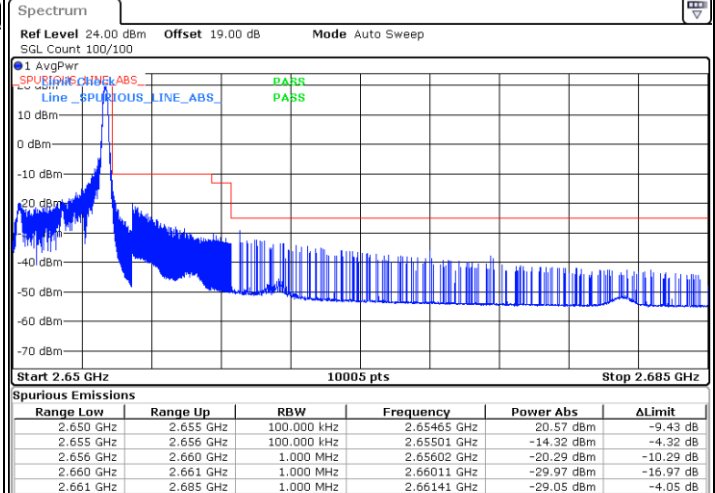


LTE Band 41 / 5MHz / 16QAM

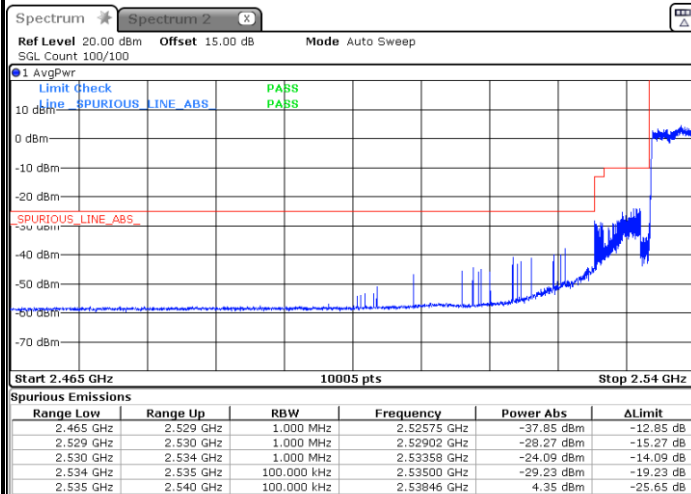
Lowest Band Edge / 1RB



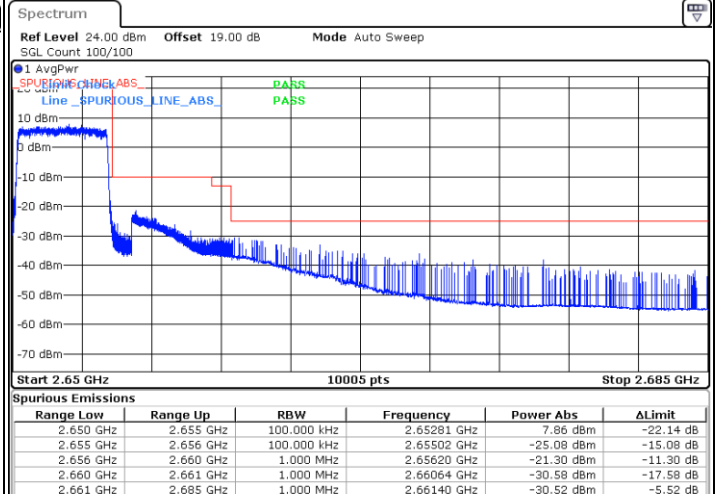
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



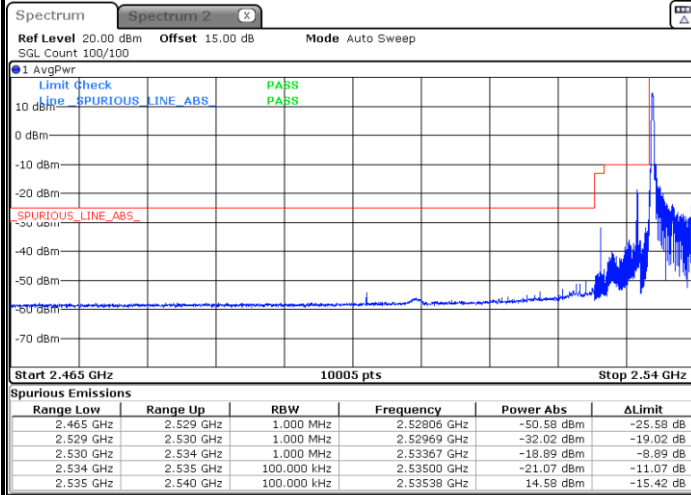
Highest Band Edge / Full RB



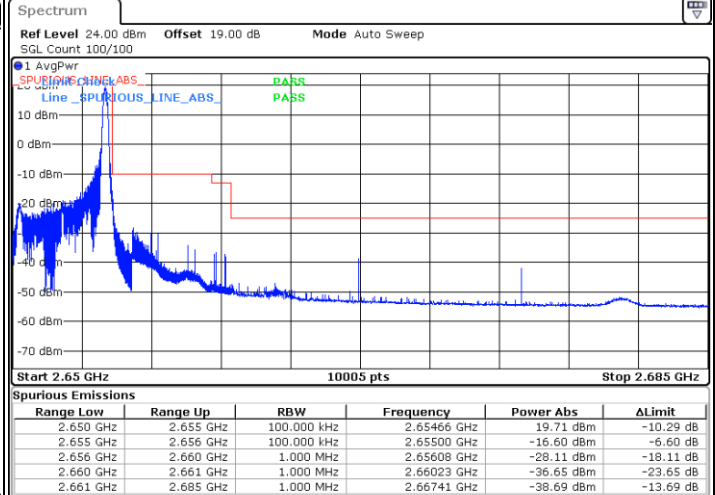


LTE Band 41 / 5MHz / 64QAM

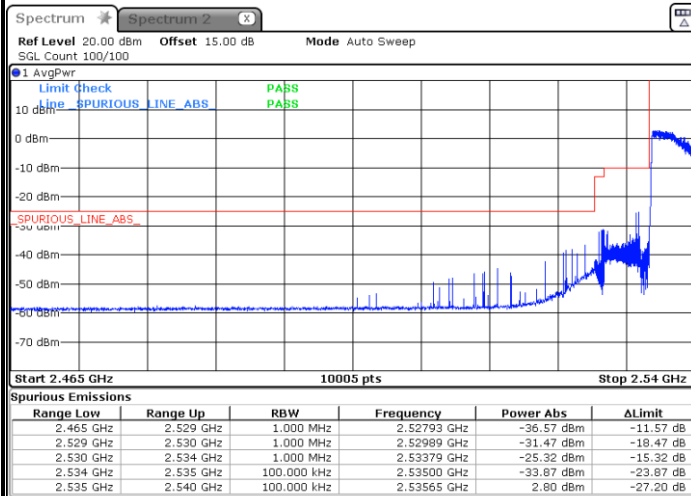
Lowest Band Edge / 1RB



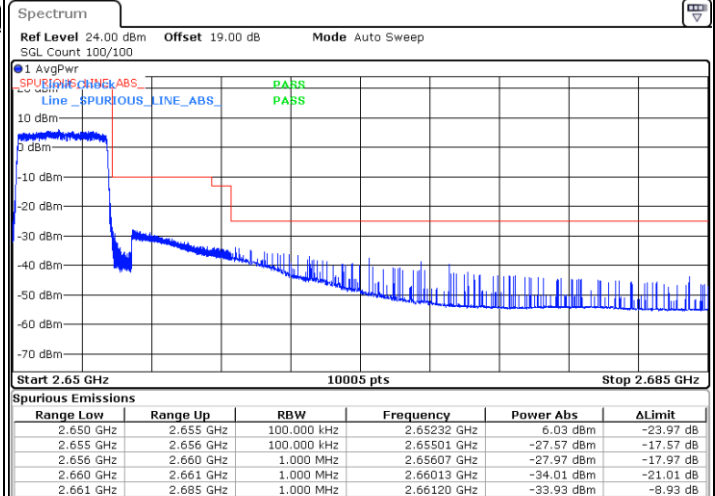
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



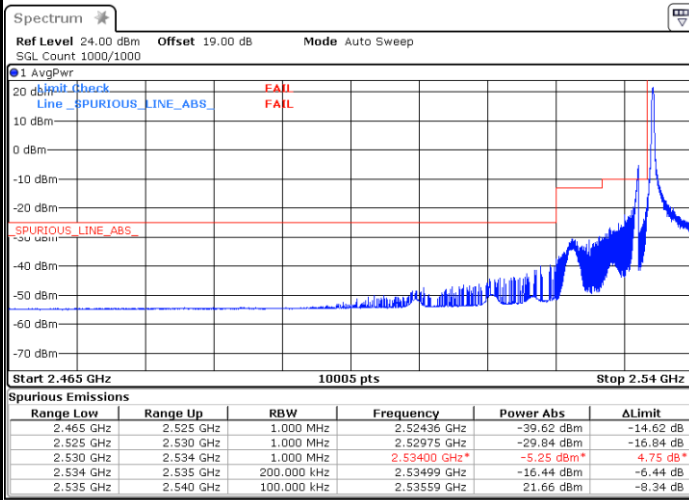
Highest Band Edge / Full RB





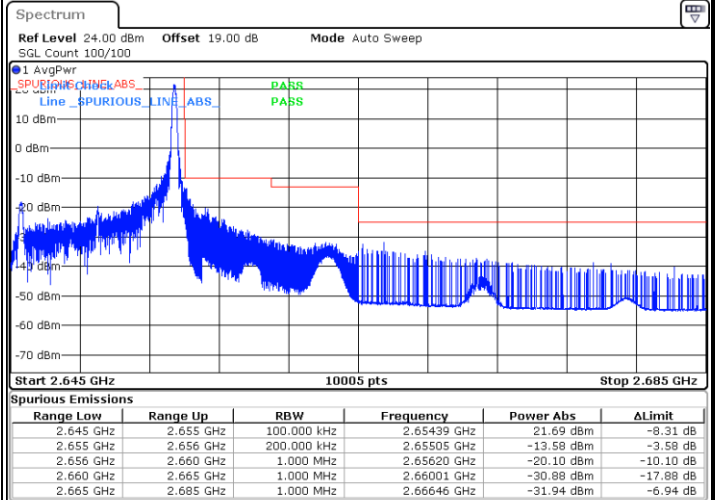
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



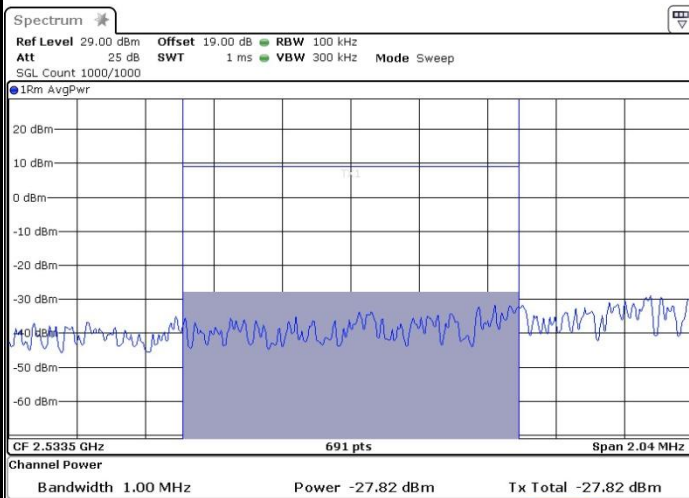
Date: 24.JUL.2025 00:05:26

Highest Band Edge / 1 RB

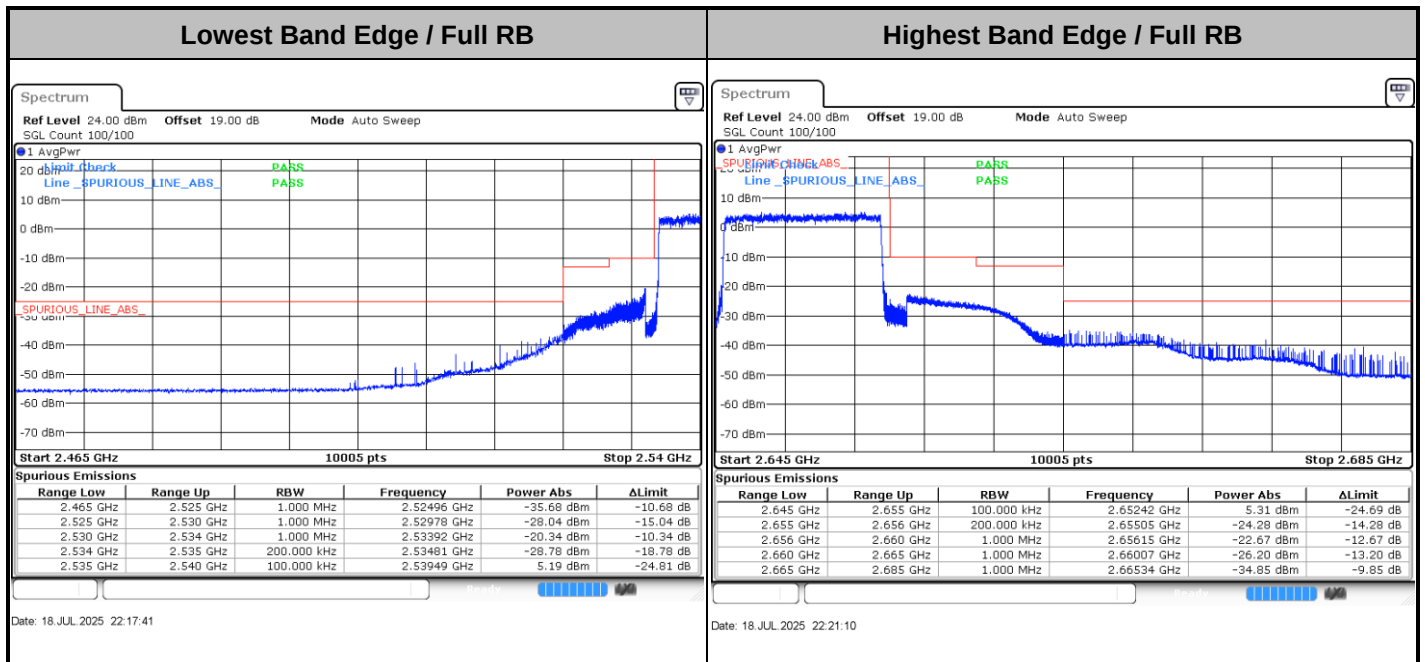


Date: 18.JUL.2025 22:18:17

Lowest Band Edge / 1 RB CP



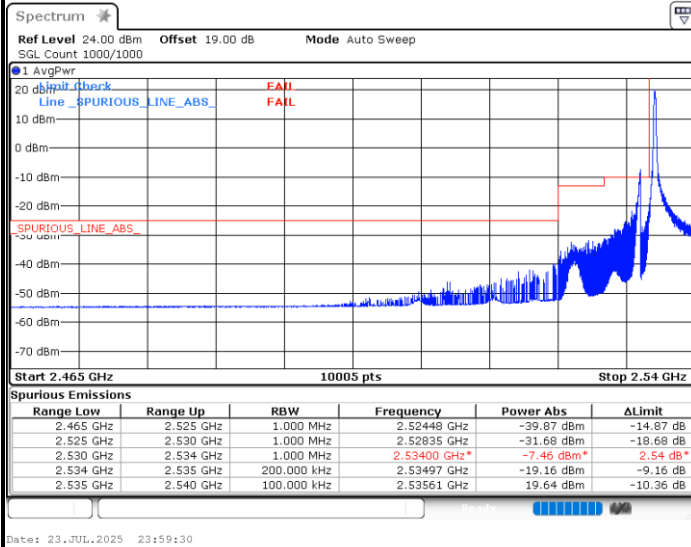
Date: 24.JUL.2025 00:06:04



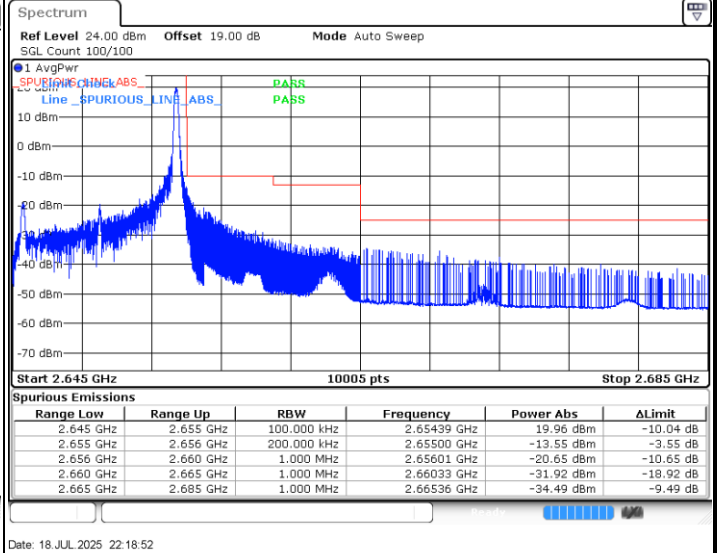


LTE Band 41 / 10MHz / 16QAM

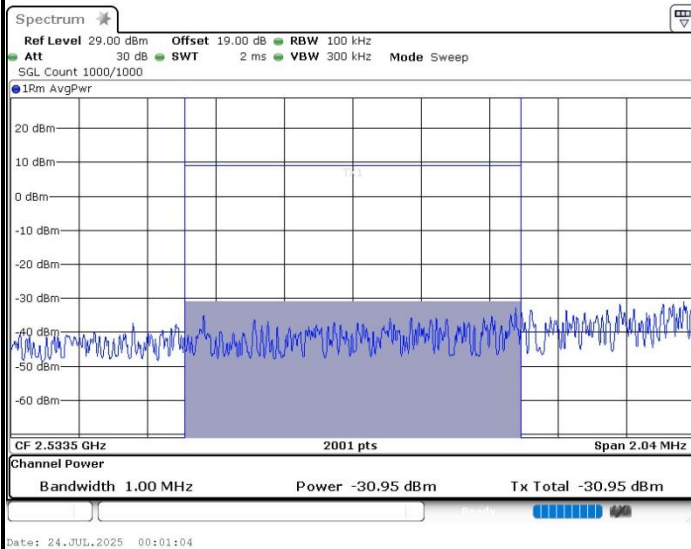
Lowest Band Edge / 1RB

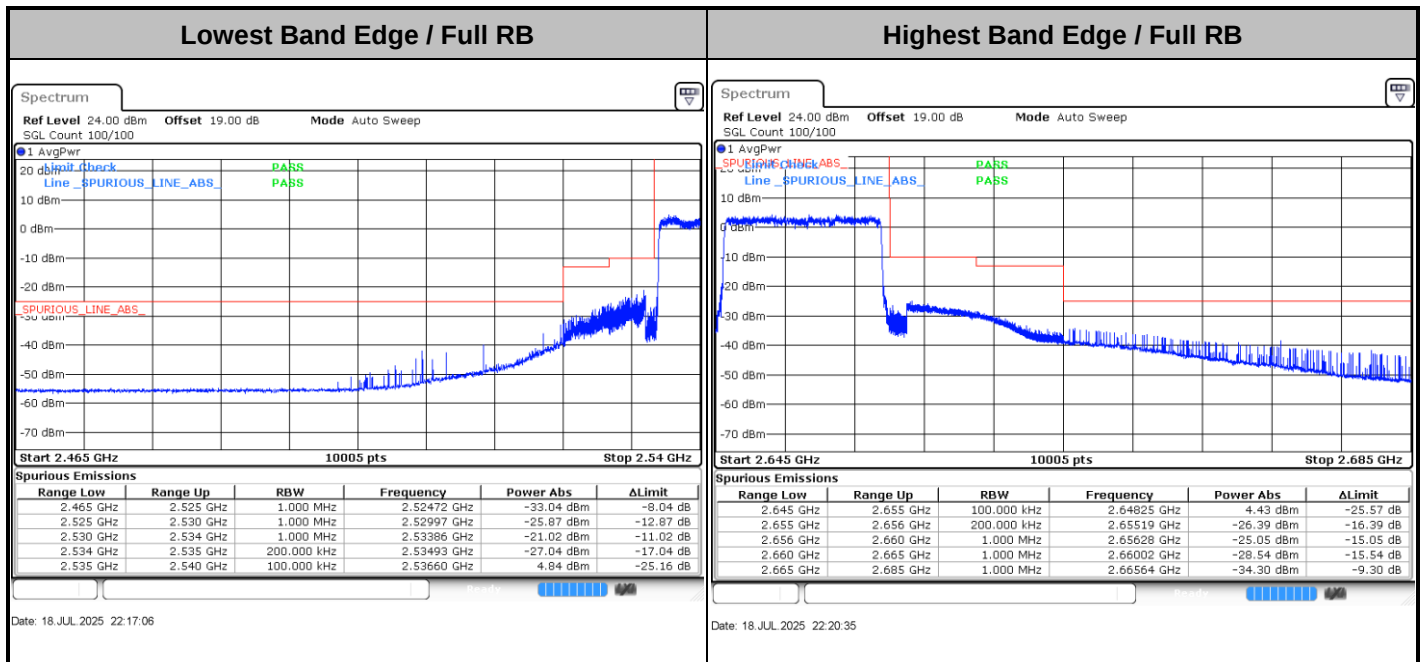


Highest Band Edge / 1 RB



Lowest Band Edge / 1RB CP

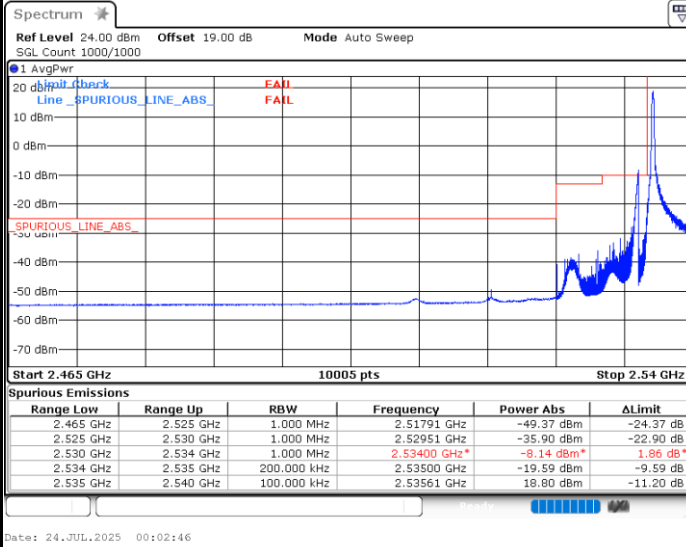




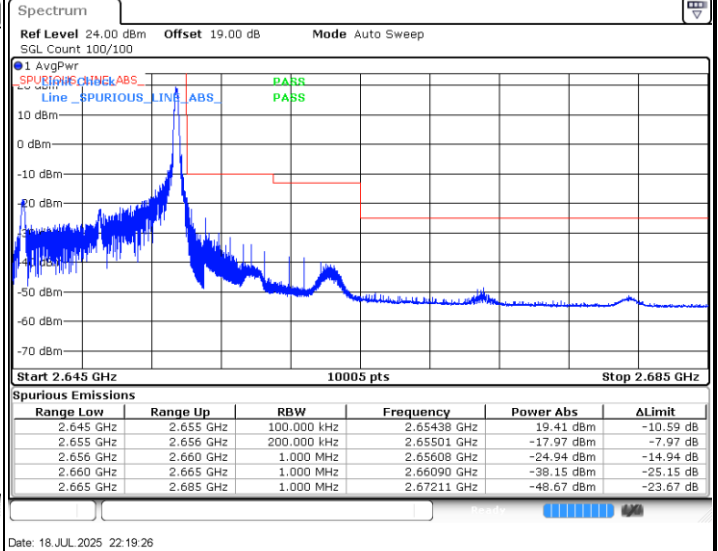


LTE Band 41 / 10MHz / 64QAM

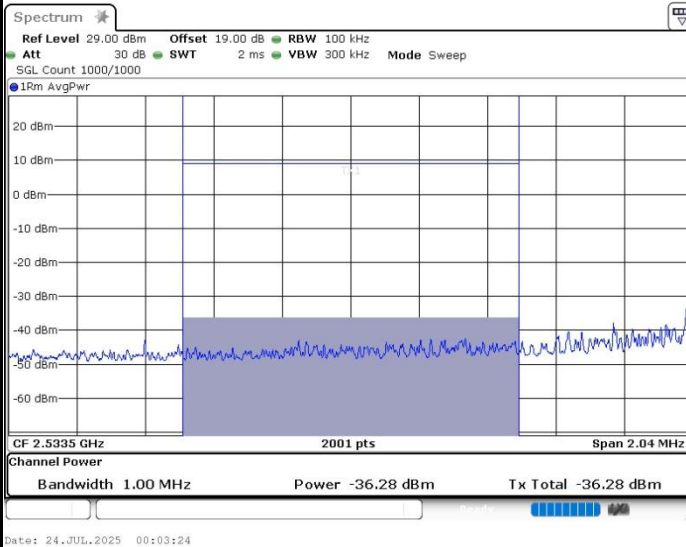
Lowest Band Edge / 1RB

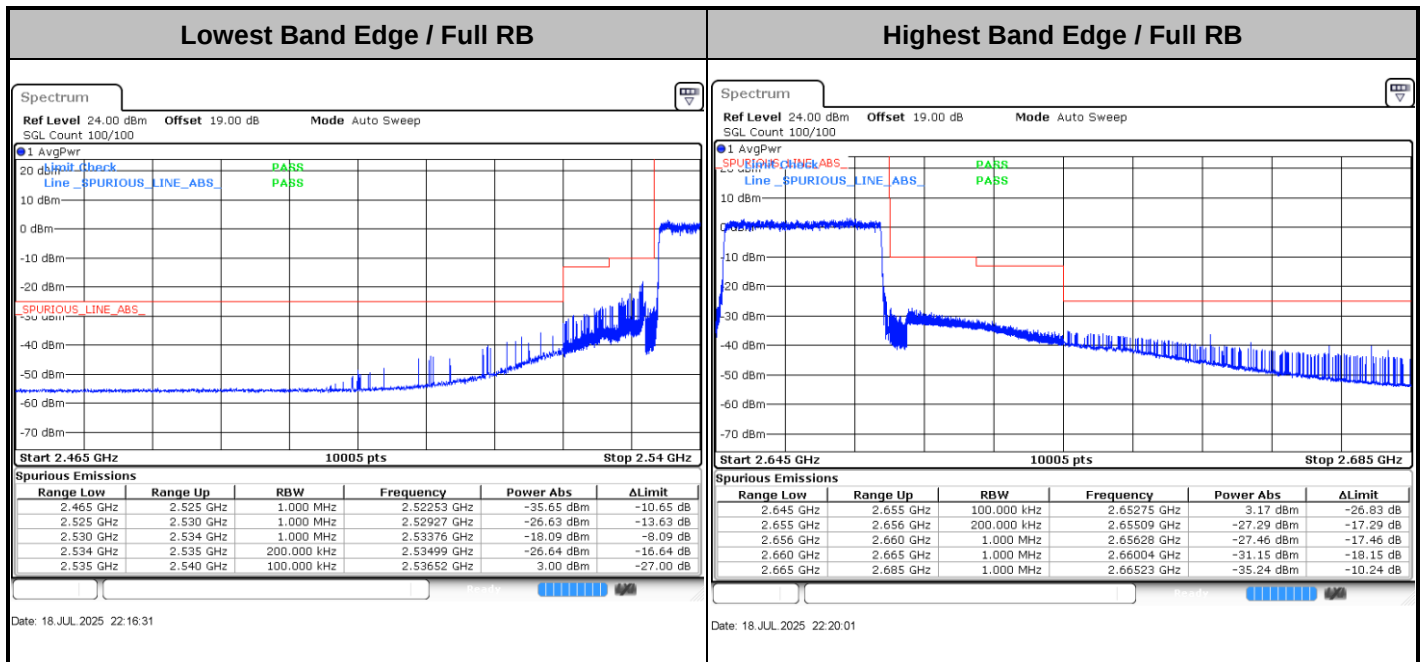


Highest Band Edge / 1 RB



Lowest Band Edge / 1RB CP

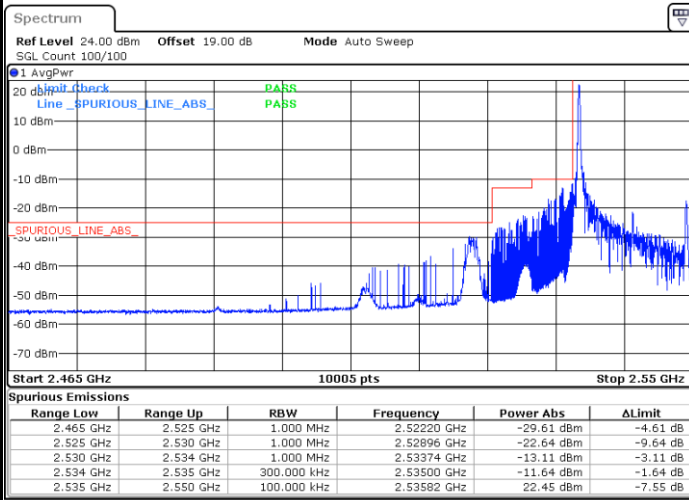






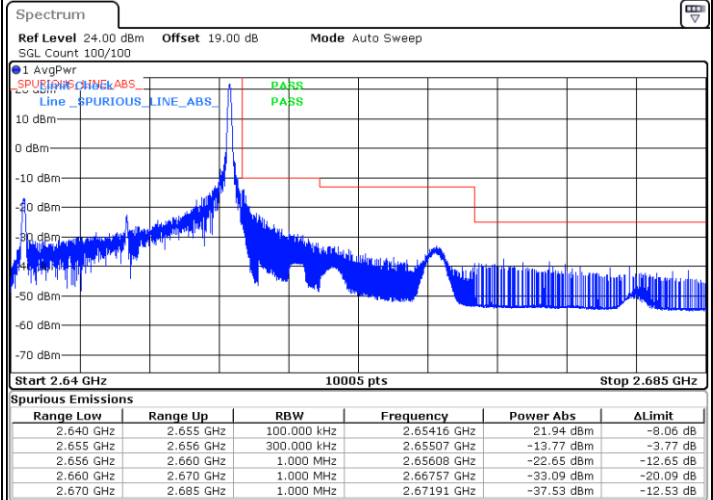
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



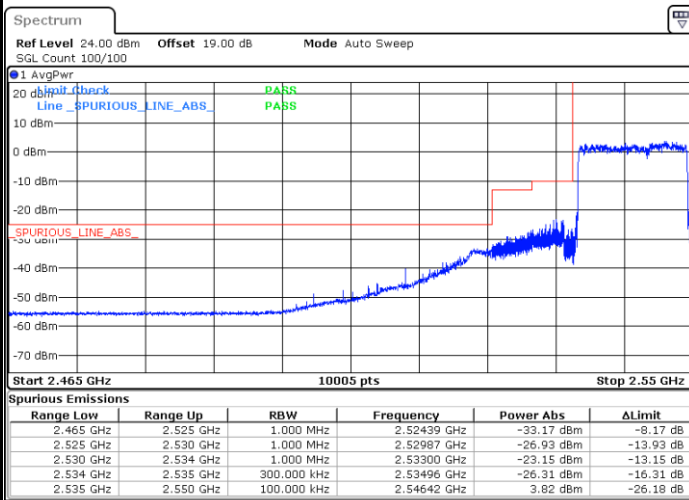
Date: 18 JUL 2025 22:21:46

Highest Band Edge / 1 RB



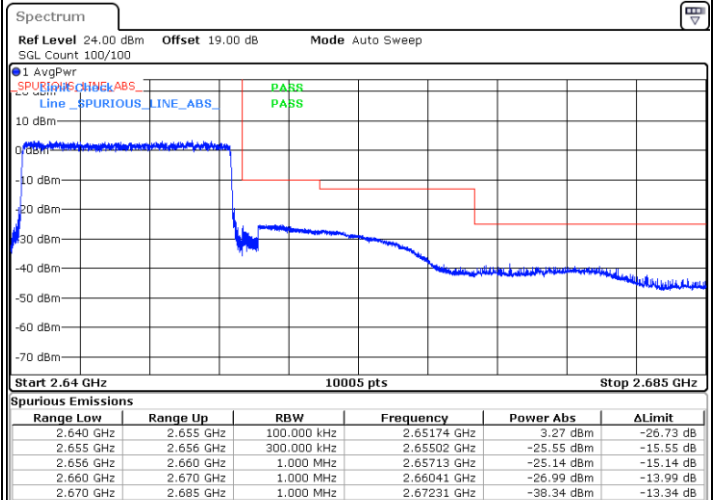
Date: 18 JUL 2025 22:25:17

Lowest Band Edge / Full RB



Date: 18 JUL 2025 22:24:40

Highest Band Edge / Full RB

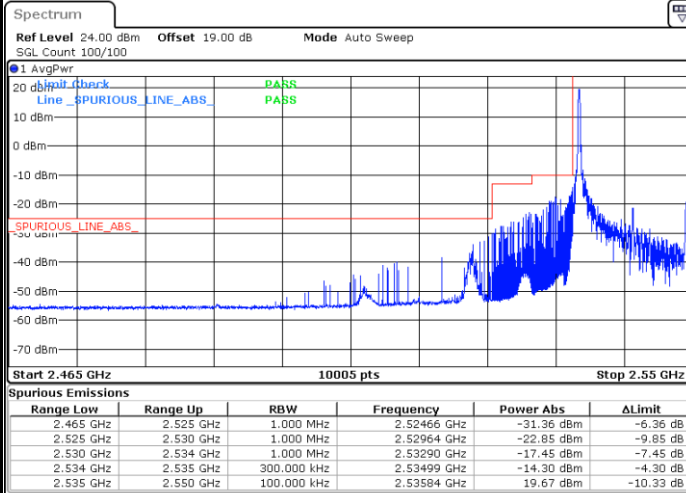


Date: 18 JUL 2025 22:28:09

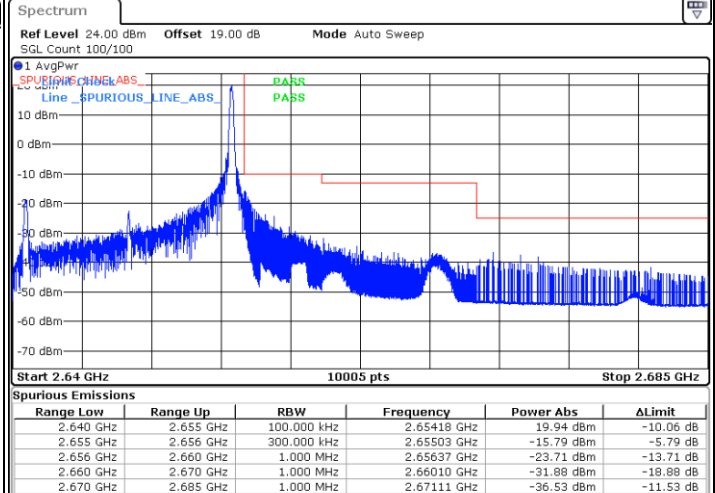


LTE Band 41 / 15MHz / 16QAM

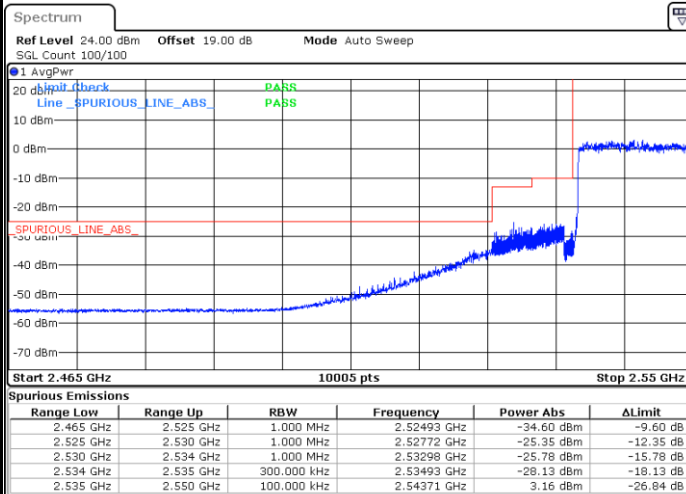
Lowest Band Edge / 1RB



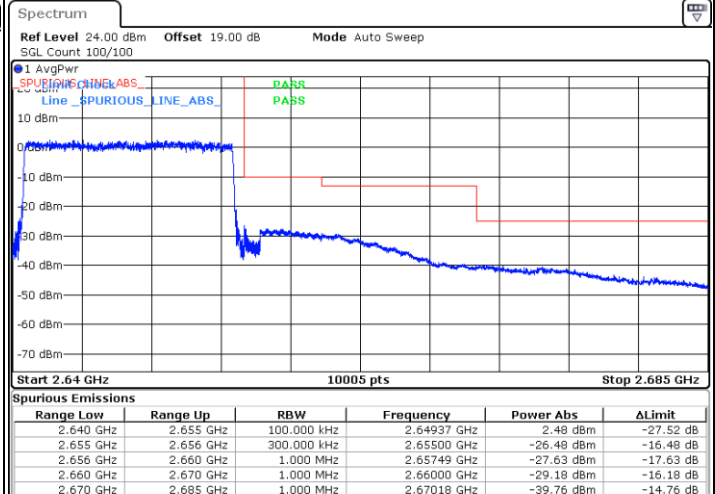
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



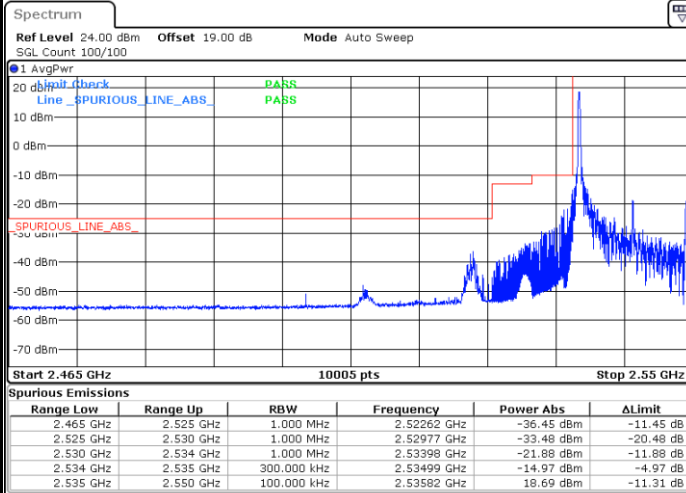
Highest Band Edge / Full RB



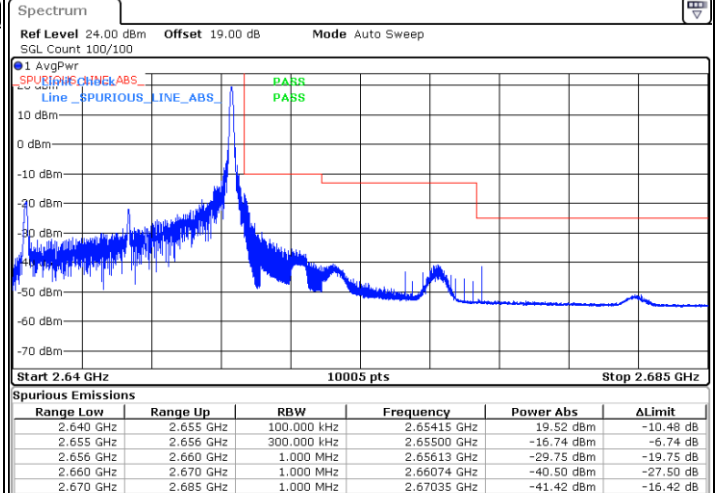


LTE Band 41 / 15MHz / 64QAM

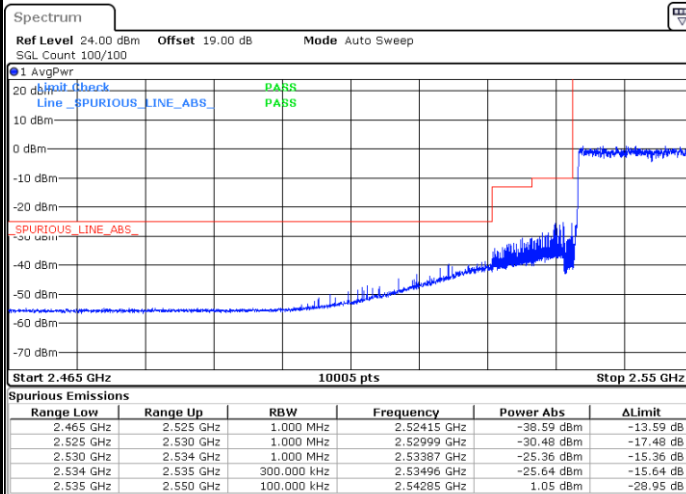
Lowest Band Edge / 1RB



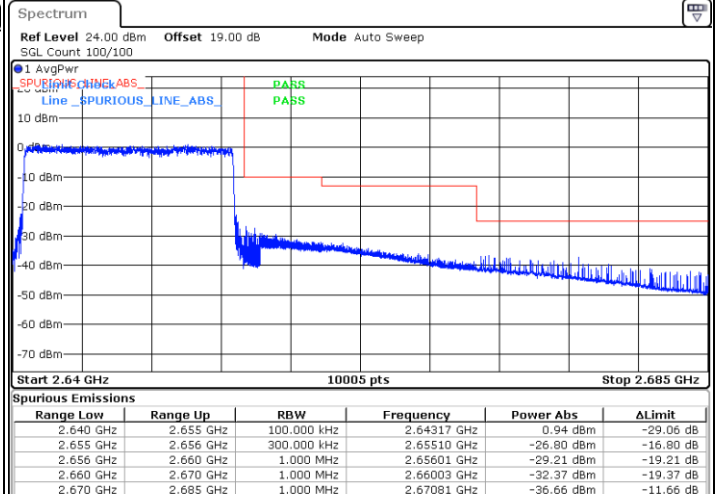
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



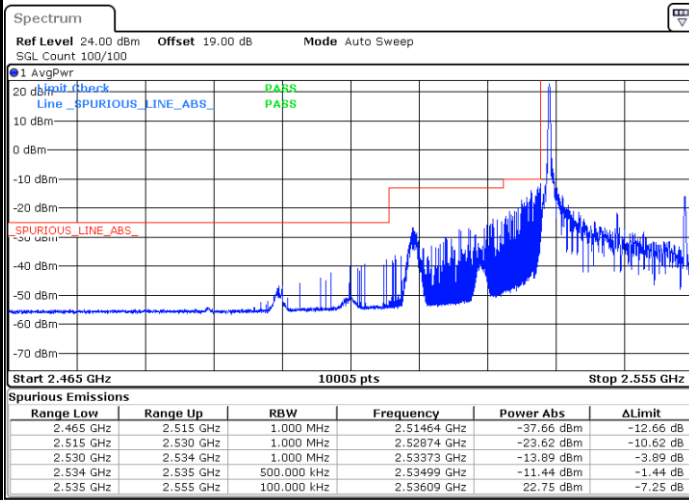
Highest Band Edge / Full RB



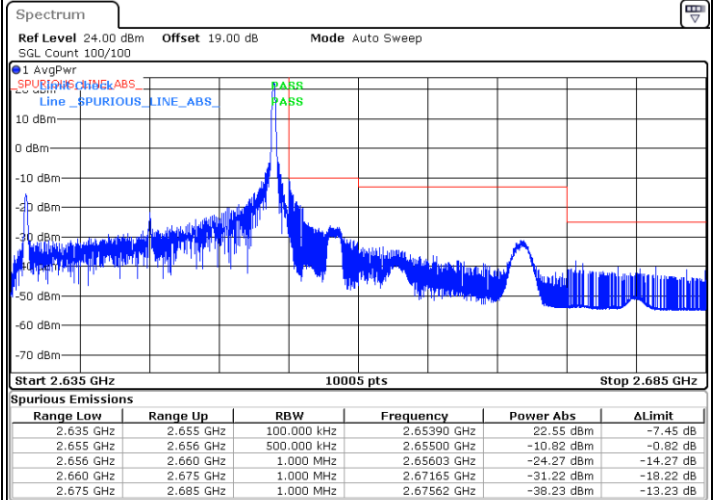


LTE Band 41 / 20MHz / QPSK

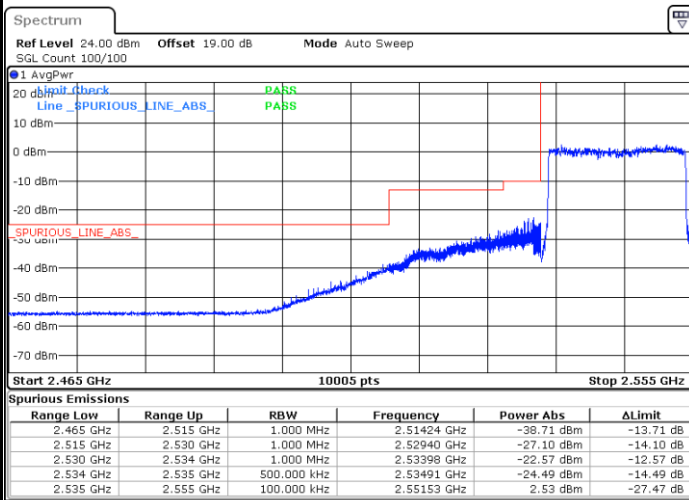
Lowest Band Edge / 1 RB



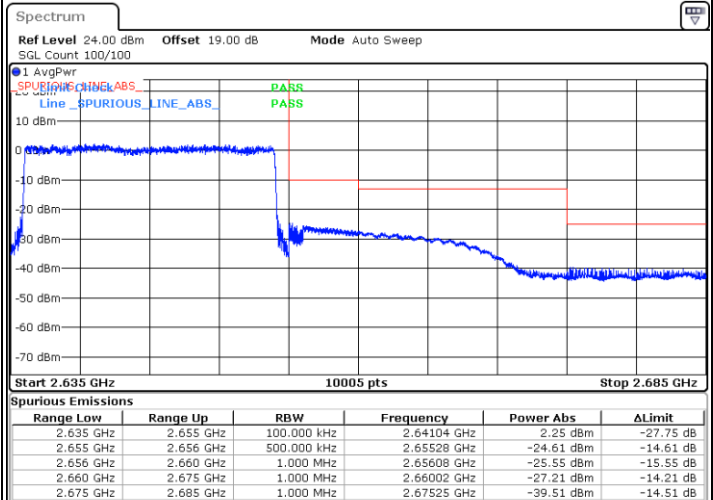
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



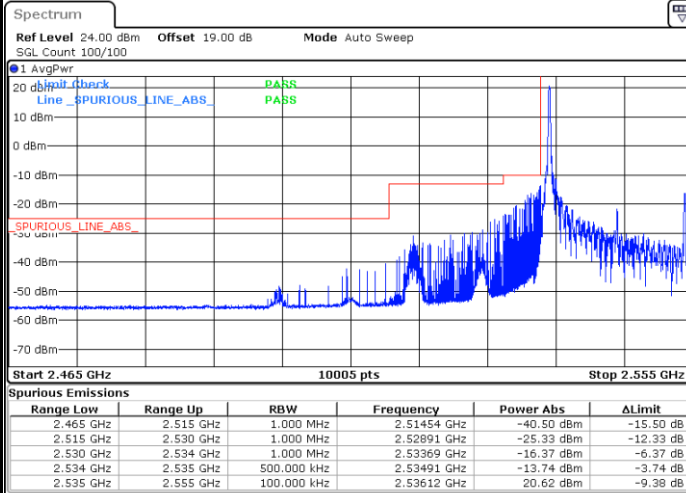
Highest Band Edge / Full RB



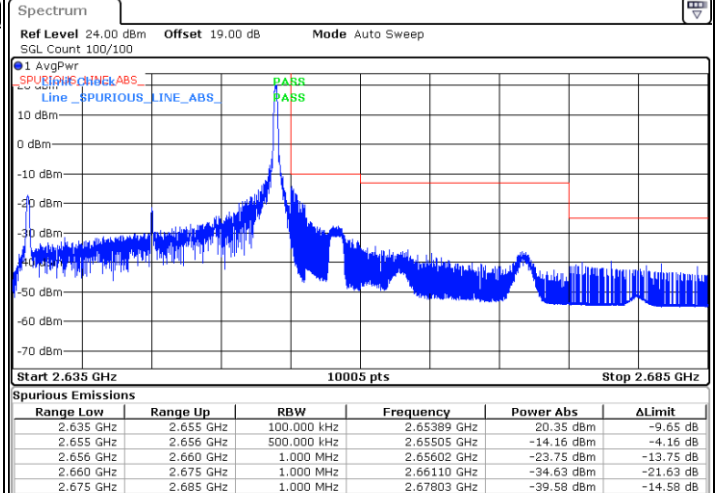


LTE Band 41 / 20MHz / 16QAM

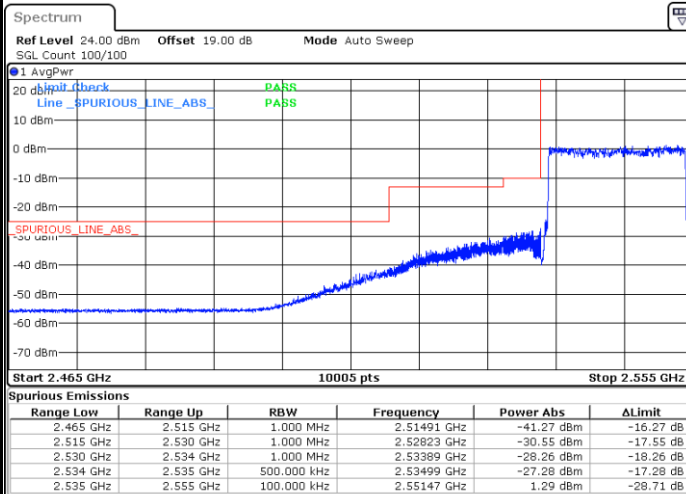
Lowest Band Edge / 1RB



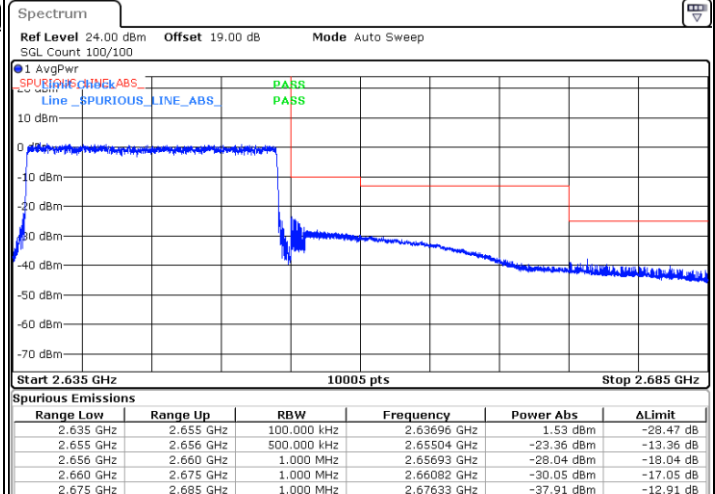
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



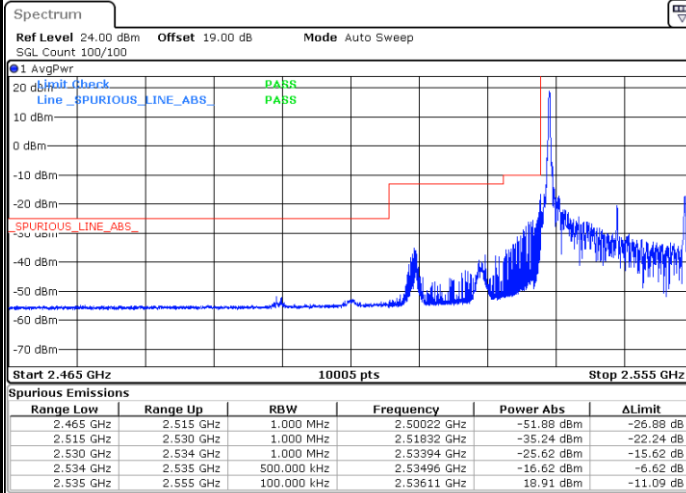
Highest Band Edge / Full RB



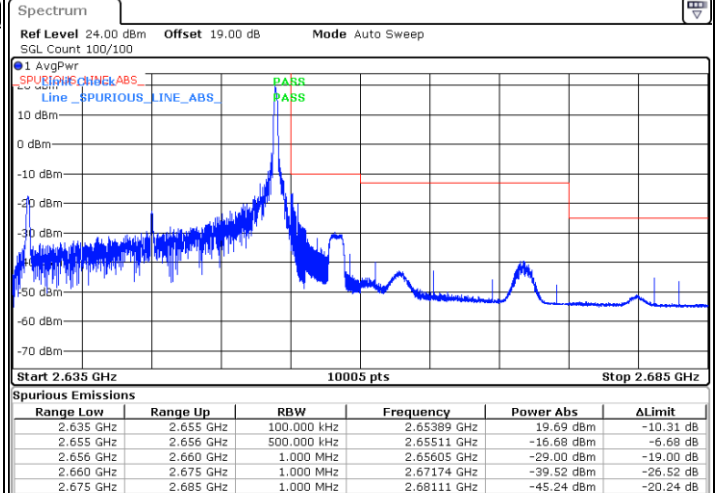


LTE Band 41 / 20MHz / 64QAM

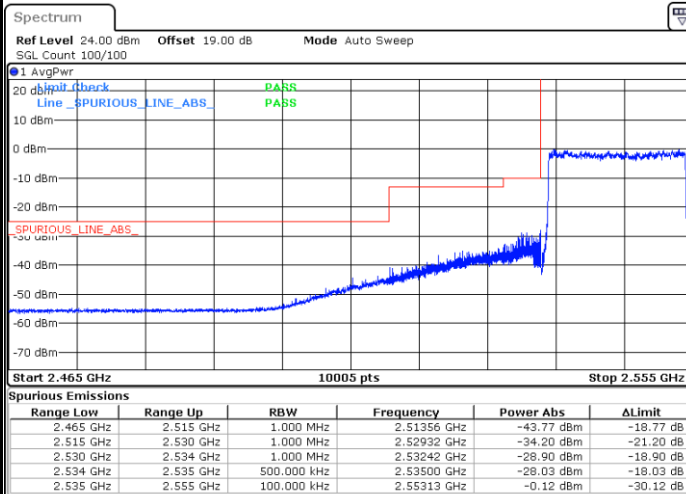
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

