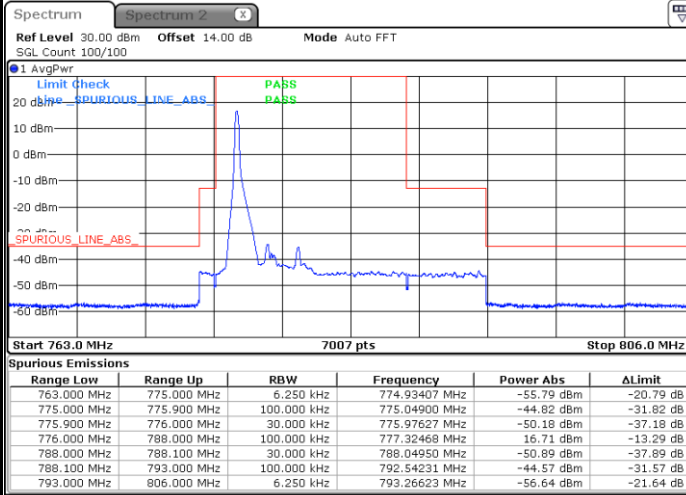




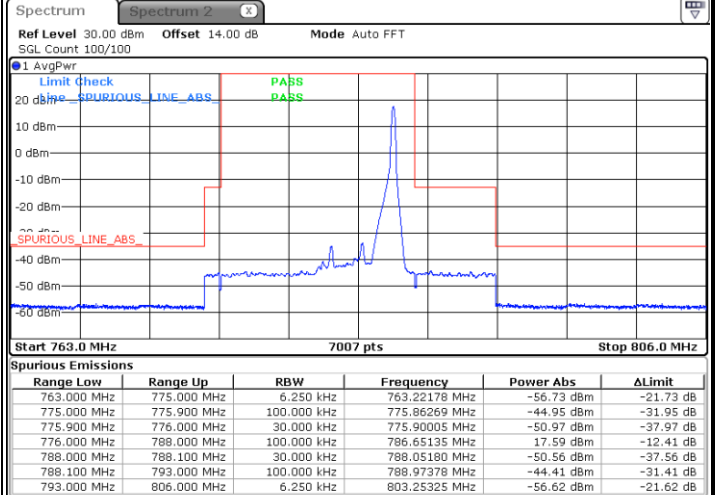
LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



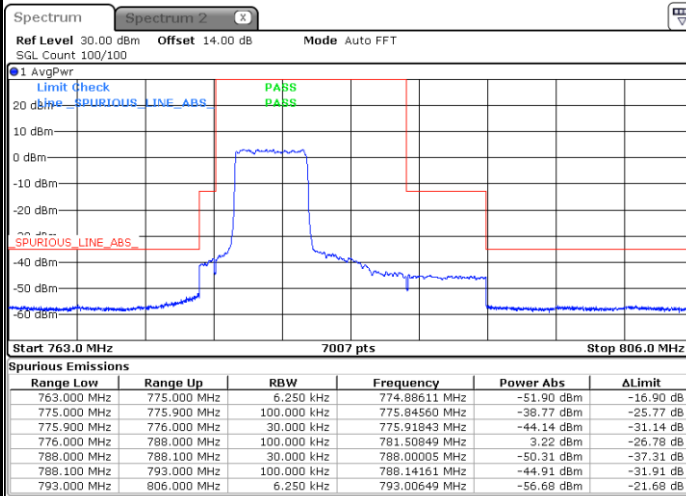
Date: 19 FEB 2025 14:36:10

Highest Band Edge / 1 RB



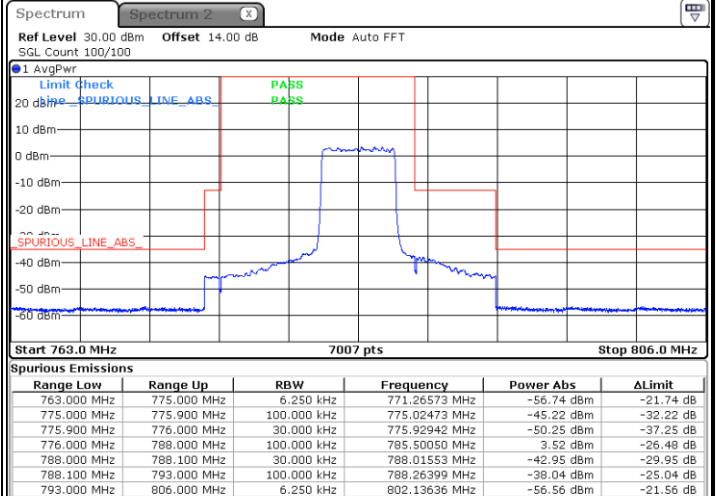
Date: 19 FEB 2025 14:44:36

Lowest Band Edge / Full RB



Date: 19 FEB 2025 14:38:33

Highest Band Edge / Full RB

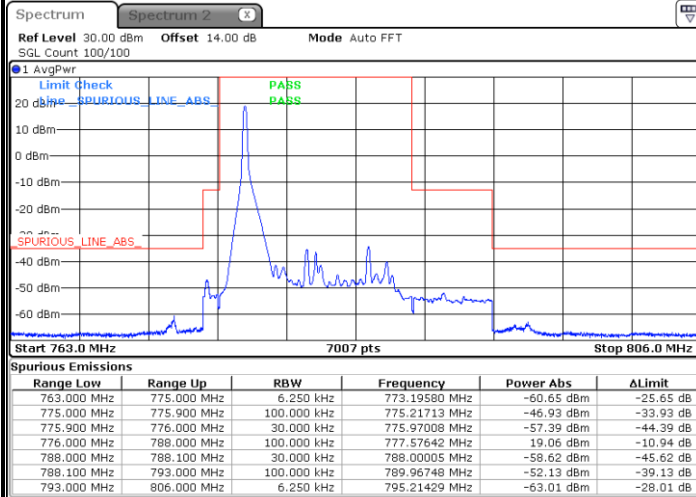


Date: 19 FEB 2025 14:46:59



LTE Band 13 / 10MHz / QPSK

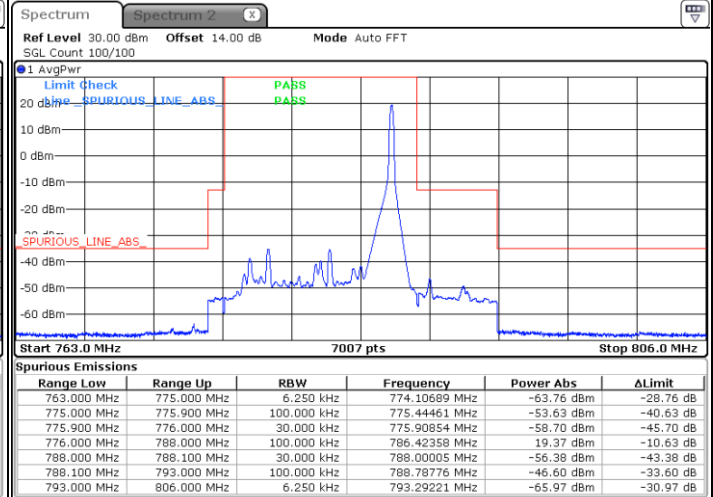
Band Edge / 1 RB



Date: 19 FEB 2025 14:49:00

LTE Band 13 / 10MHz / QPSK

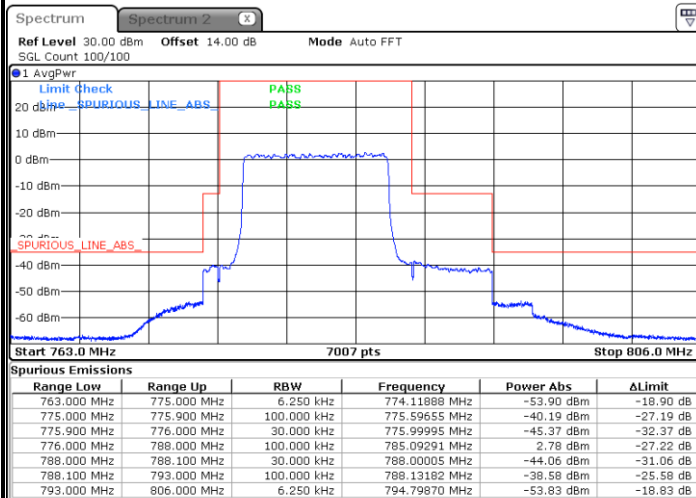
Band Edge / 1 RB



Date: 19 FEB 2025 14:51:22

LTE Band 13 / 10MHz / QPSK

Band Edge / Full RB

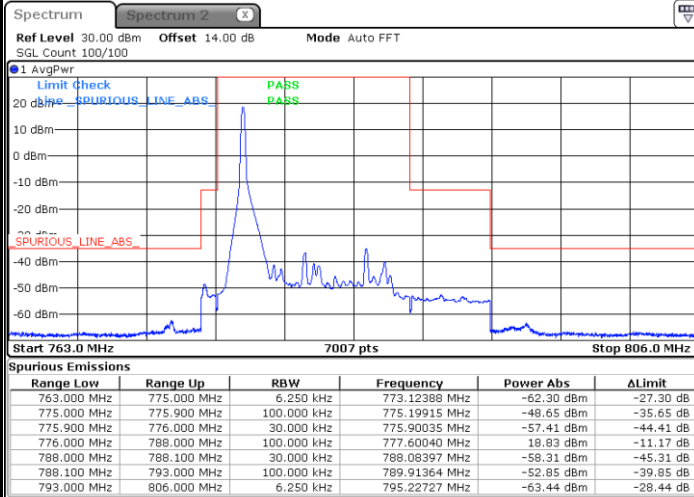


Date: 19 FEB 2025 14:53:43



LTE Band 13 / 10MHz / 16QAM

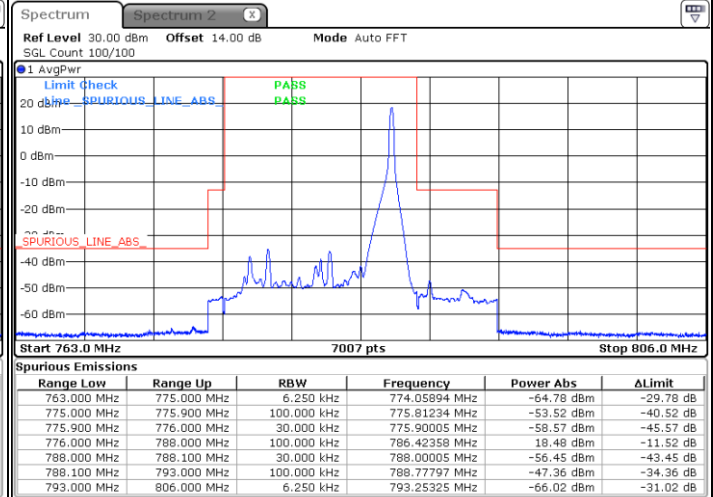
Band Edge / 1 RB



Date: 19 FEB 2025 14:49:47

LTE Band 13 / 10MHz / 16QAM

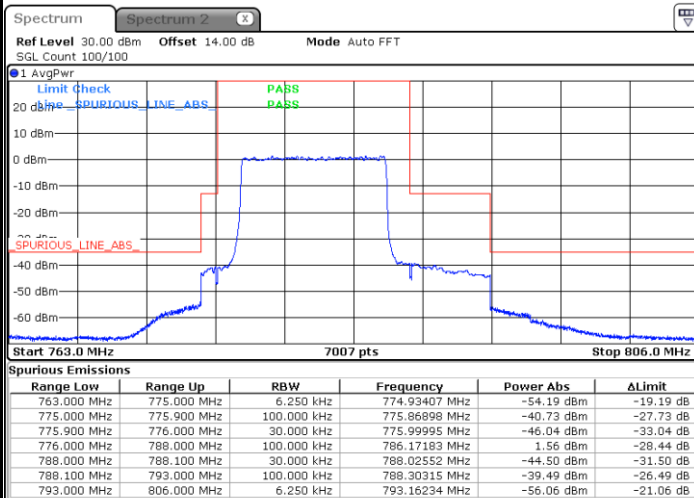
Band Edge / 1 RB



Date: 19 FEB 2025 14:52:09

LTE Band 13 / 10MHz / 16QAM

Band Edge / Full RB

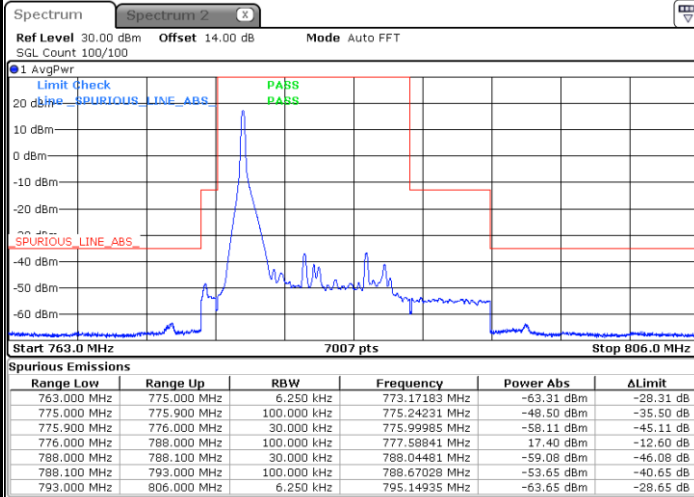


Date: 19 FEB 2025 14:54:30



LTE Band 13 / 10MHz / 64QAM

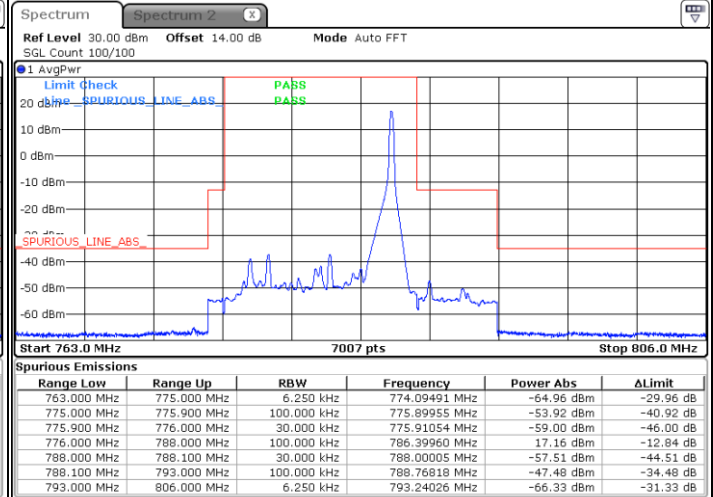
Band Edge / 1 RB



Date: 19 FEB 2025 14:50:34

LTE Band 13 / 10MHz / 64QAM

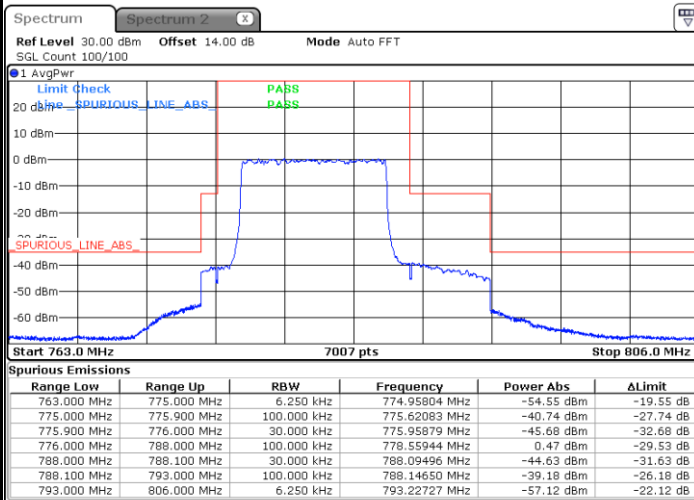
Band Edge / 1 RB



Date: 19 FEB 2025 14:52:56

LTE Band 13 / 10MHz / 64QAM

Band Edge / Full RB



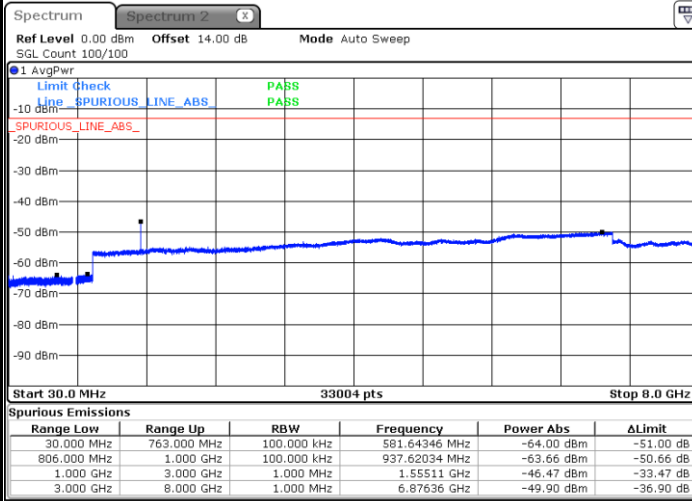
Date: 19 FEB 2025 14:55:18



Conducted Spurious Emission

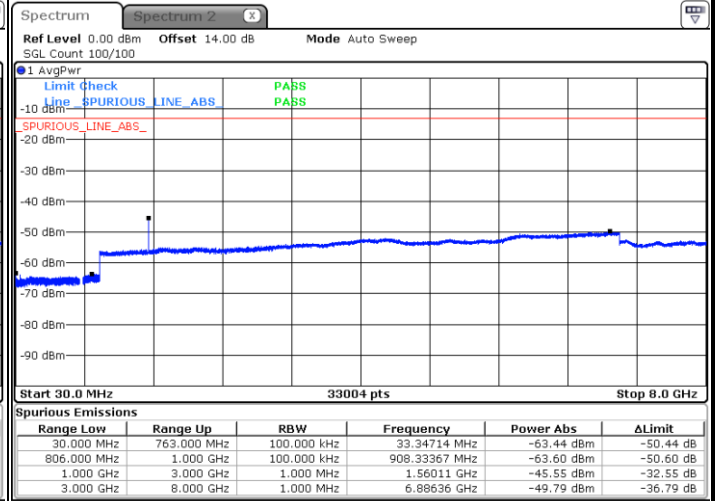
LTE Band 13 / 5MHz

Lowest Channel / QPSK



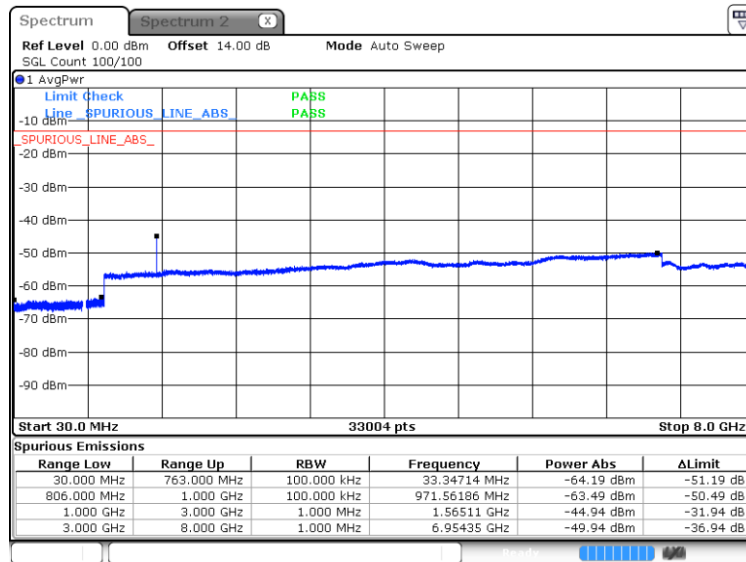
Date: 19 FEB 2025 14:39:41

Middle Channel / QPSK



Date: 19 FEB 2025 14:40:48

Highest Channel / QPSK

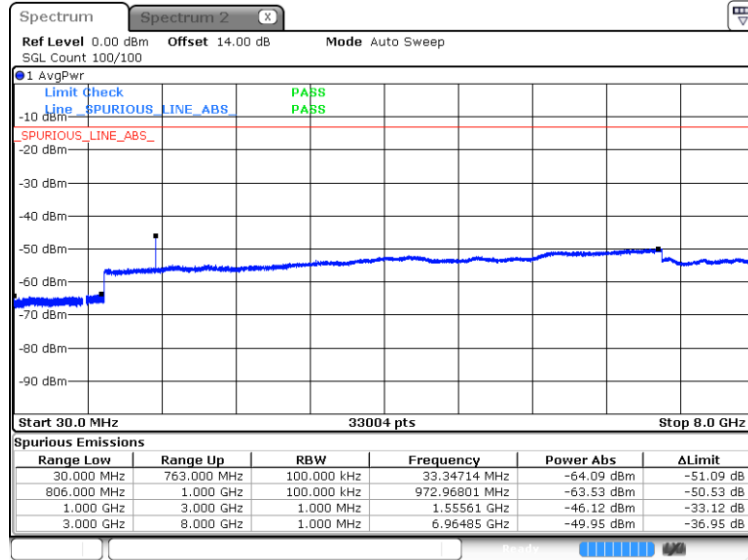


Date: 19 FEB 2025 14:48:07



LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 19.FEB.2025 14:56:25

Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	Note 2.
		Frequency Offset (Δf) (Hz)	Result
50	Normal Voltage	2.3	PASS
40	Normal Voltage	-3.6	
30	Normal Voltage	3.1	
20(Ref.)	Normal Voltage	2.6	
10	Normal Voltage	4.5	
0	Normal Voltage	-4.1	
-10	Normal Voltage	4.9	
-20	Normal Voltage	4.2	
-30	Normal Voltage	-3.3	
20	Maximum Voltage	4.7	
20	Normal Voltage	2.6	
20	Battery End Point	3.6	

Note:

1. Normal Voltage =3.91 V.; Battery End Point (BEP) =3.45 V.; Maximum Voltage =4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

$$|MAX(\Delta f)| = 4.9\text{Hz}$$

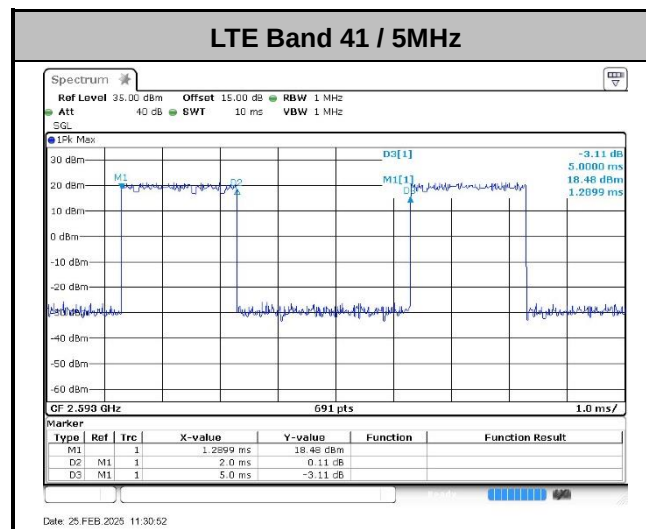
Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - MAX(\Delta f) $	777.262235	$\geq 777 \text{ MHz}$	PASS
$f_H + MAX(\Delta f) $	786.737765	$\leq 787 \text{ MHz}$	



LTE Band 41

Duty Cycle

Mode	LTE Band 41 : Duty Cycle	
BW	-	5MHz
Middle CH	D2 (ms)	2
	D3 (ms)	5
	Duty Cycle (%)	40
	Duty Cycle Offset(dB)	4





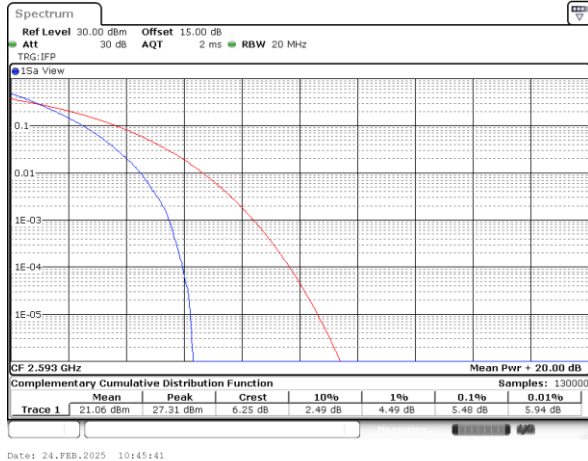
Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.48	6.58	6.84	PASS



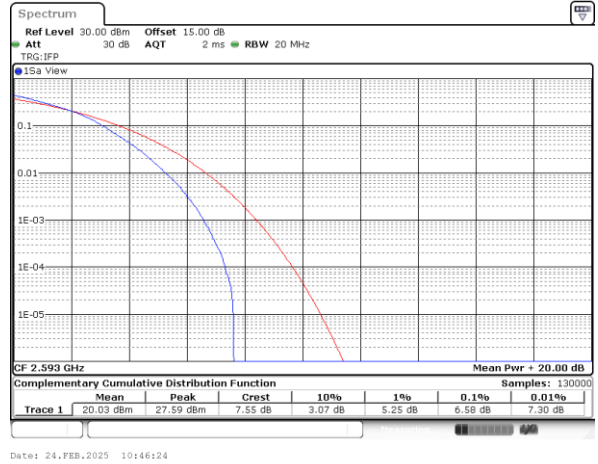
LTE Band 41 / 20MHz / QPSK

Middle Channel / Full RB



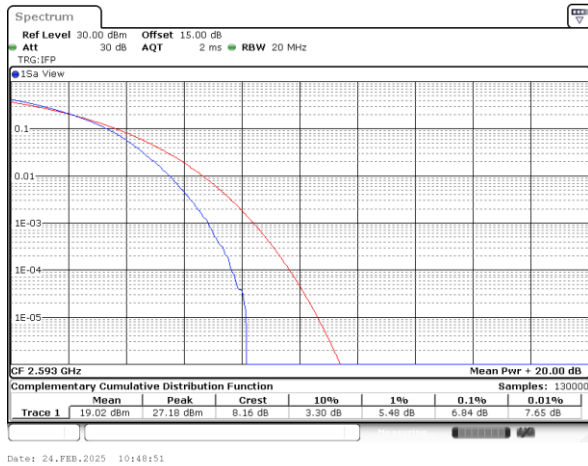
LTE Band 41 / 20MHz / 16QAM

Middle Channel / Full RB



LTE Band 41 / 20MHz / 64QAM

Middle Channel / Full RB





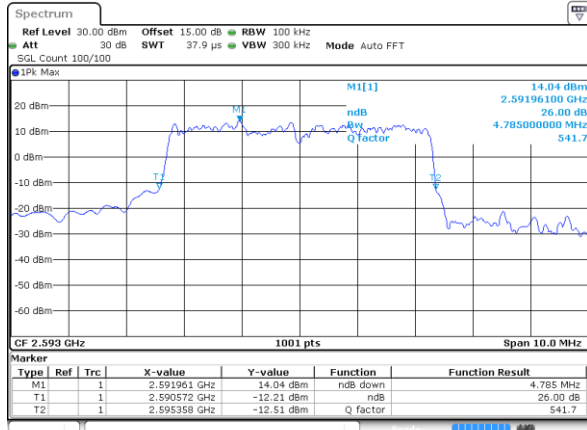
26dB Bandwidth

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	-	-	-	-	4.79	4.81	9.75	9.61	14.27	14.12	18.94	18.90



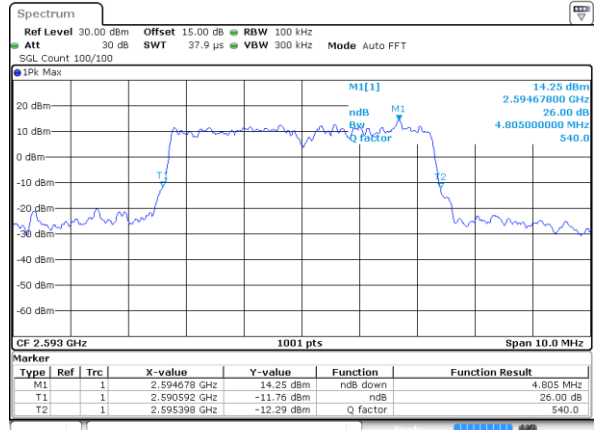
LTE Band 41

Middle Channel / 5MHz / QPSK



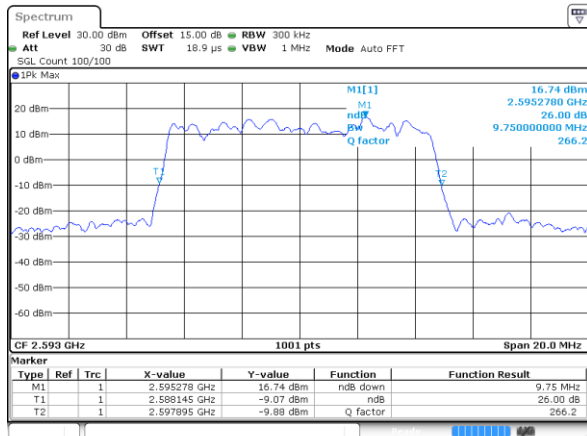
Date: 20 FEB 2025 02:02:54

Middle Channel / 5MHz / 16QAM



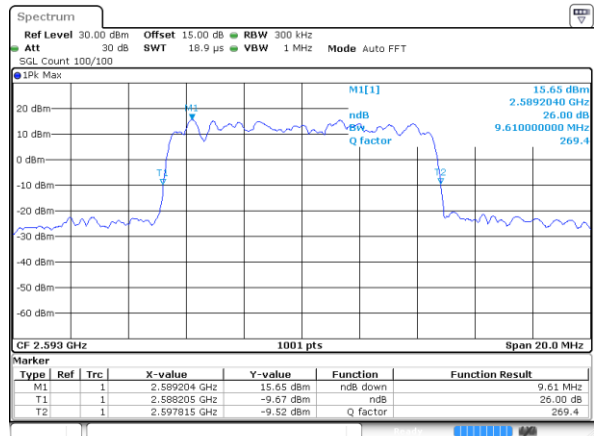
Date: 20 FEB 2025 02:03:36

Middle Channel / 10MHz / QPSK



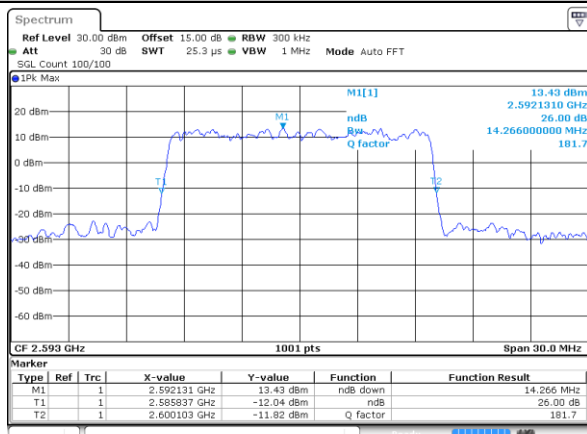
Date: 20 FEB 2025 09:00:23

Middle Channel / 10MHz / 16QAM



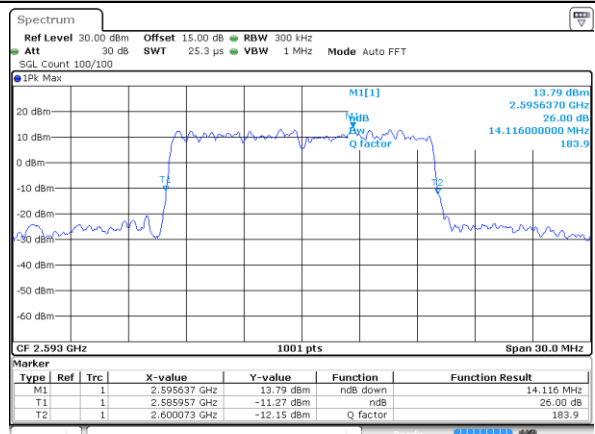
Date: 20 FEB 2025 09:01:02

Middle Channel / 15MHz / QPSK



Date: 20 FEB 2025 09:22:18

Middle Channel / 15MHz / 16QAM

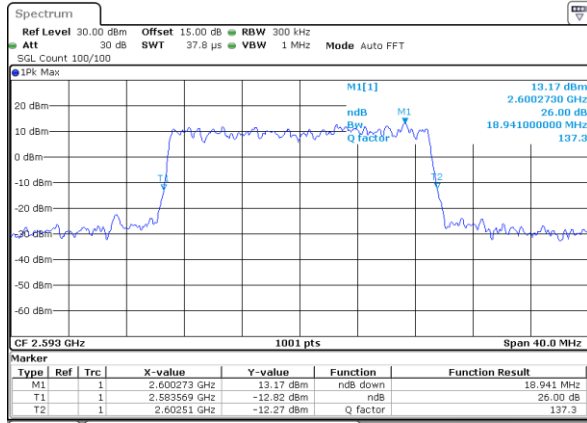


Date: 20 FEB 2025 09:22:57



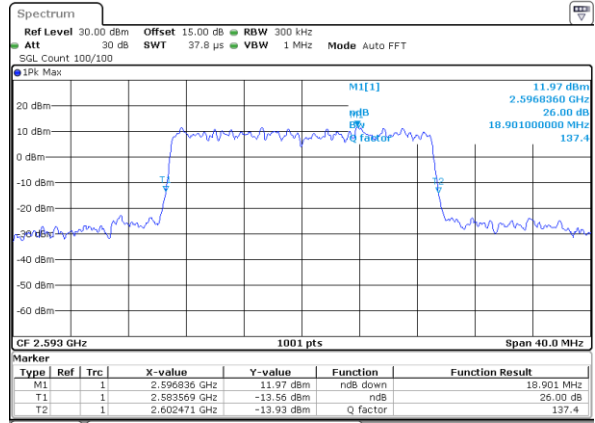
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 20 FEB 2025 09:46:11

Middle Channel / 20MHz / 16QAM



Date: 20 FEB 2025 09:46:50



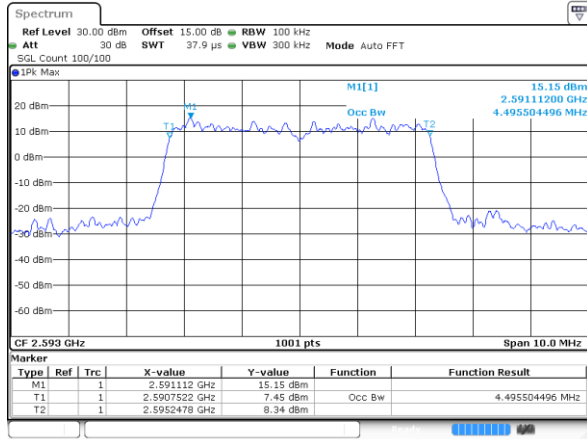
Occupied Bandwidth

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	4.48	9.09	9.05	13.43	13.46	17.94	17.86

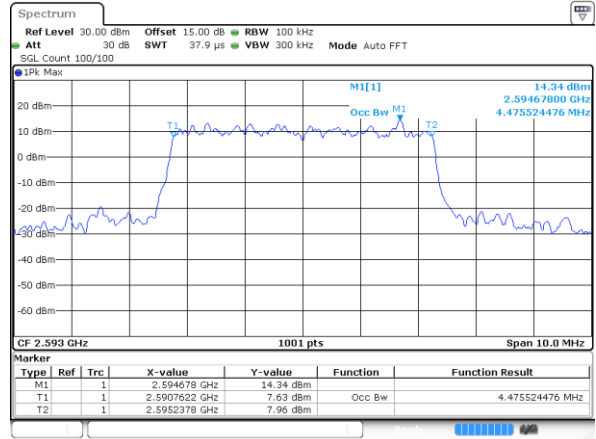


LTE Band 41

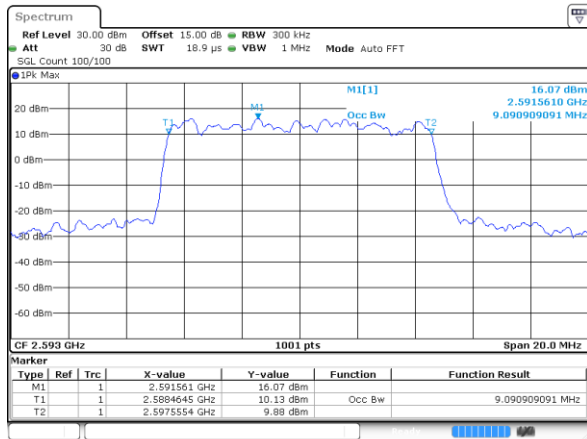
Middle Channel / 5MHz / QPSK



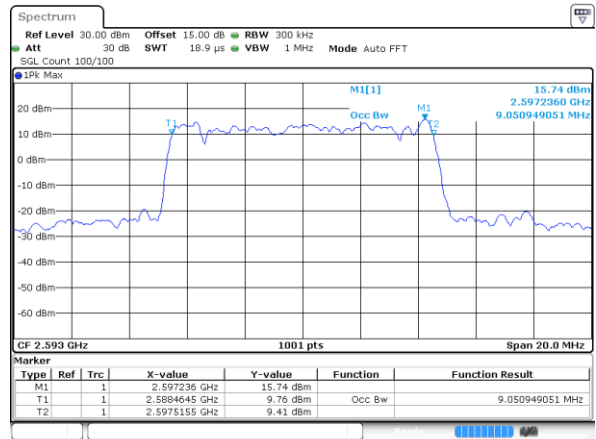
Middle Channel / 5MHz / 16QAM



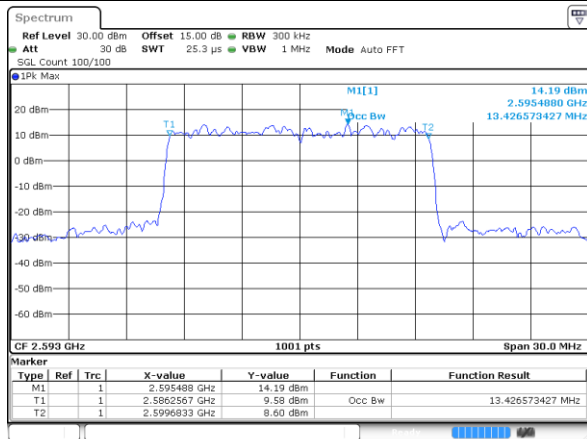
Middle Channel / 10MHz / QPSK



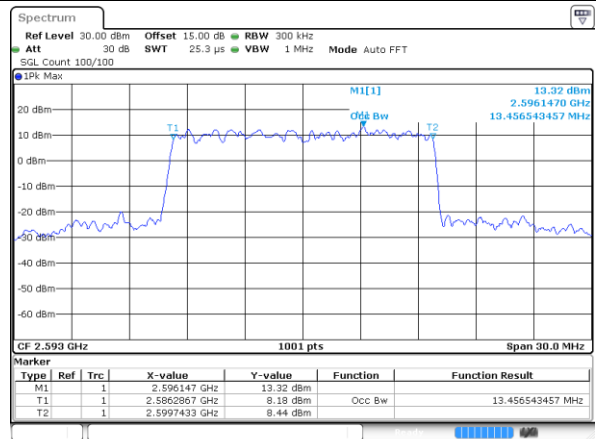
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



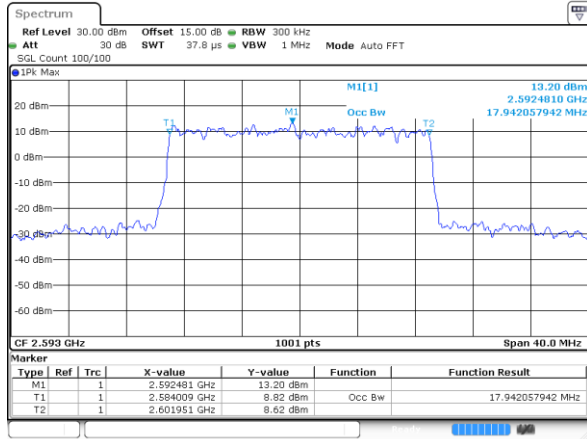
Middle Channel / 15MHz / 16QAM



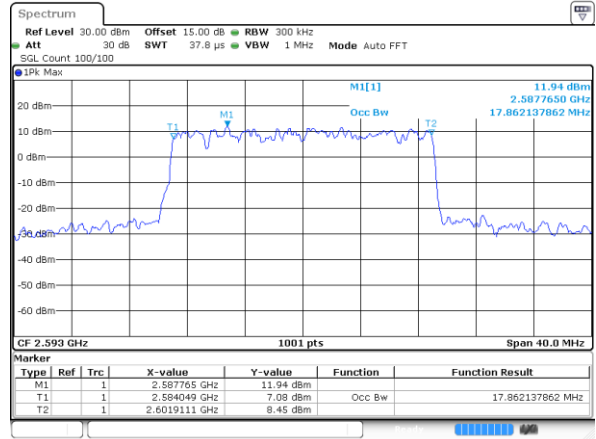


LTE Band 41

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

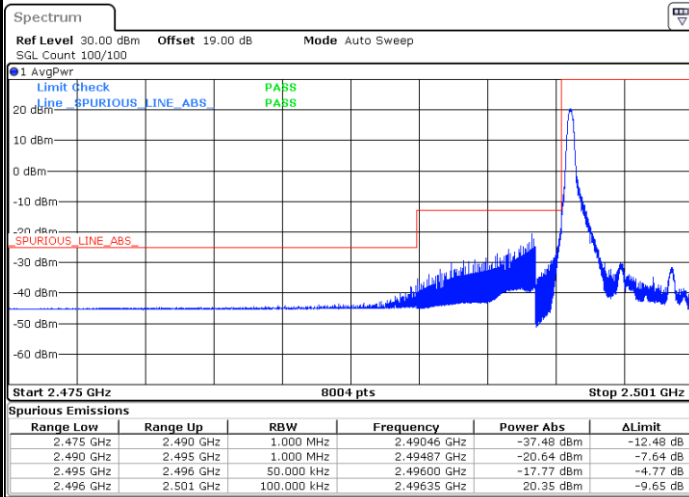




Conducted Band Edge

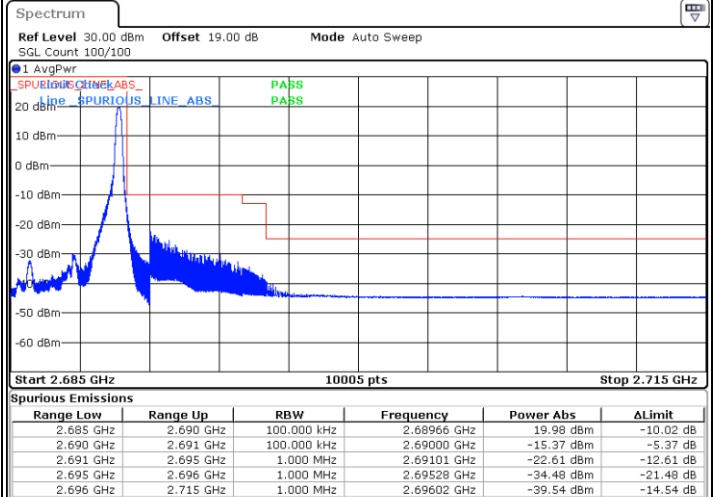
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



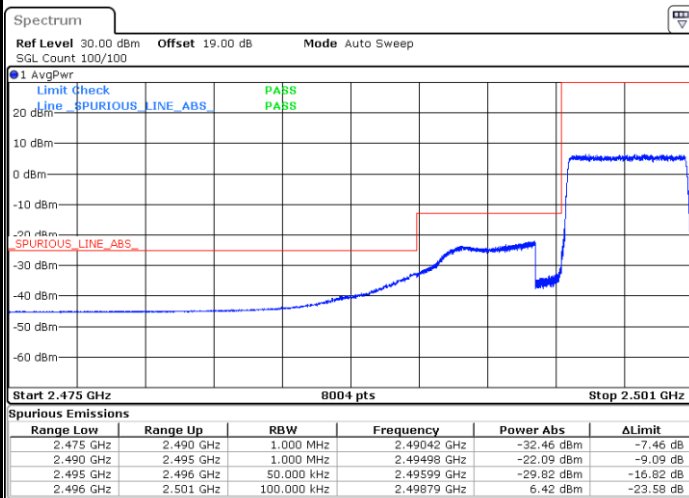
Date: 20 FEB 2025 01:54:24

Highest Band Edge / 1 RB



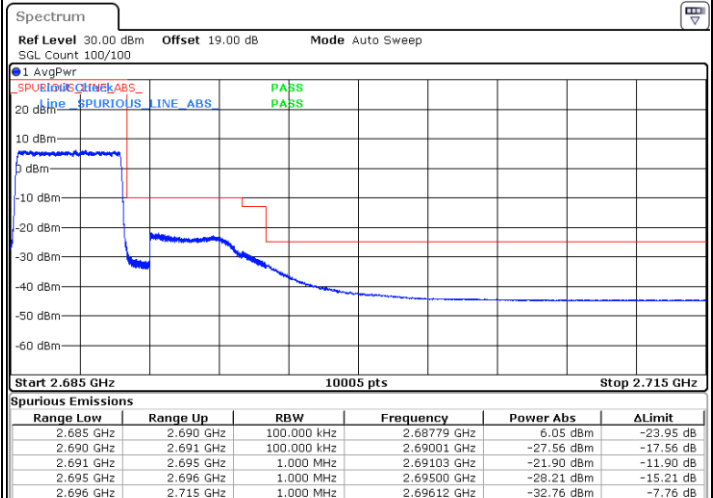
Date: 20 FEB 2025 08:38:37

Lowest Band Edge / Full RB



Date: 20 FEB 2025 01:59:45

Highest Band Edge / Full RB

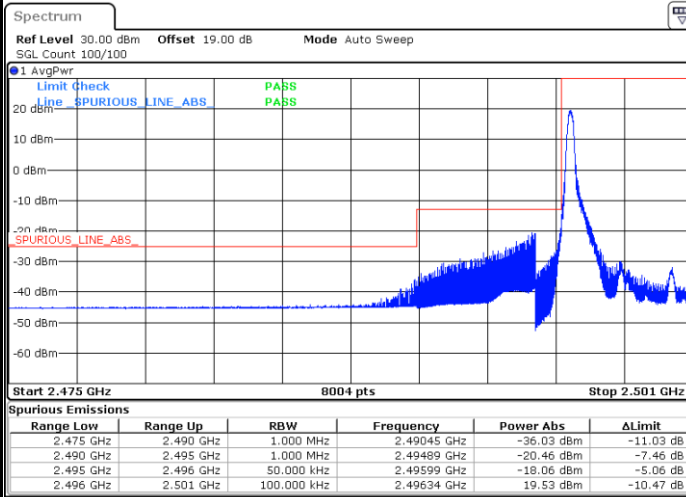


Date: 20 FEB 2025 08:43:55



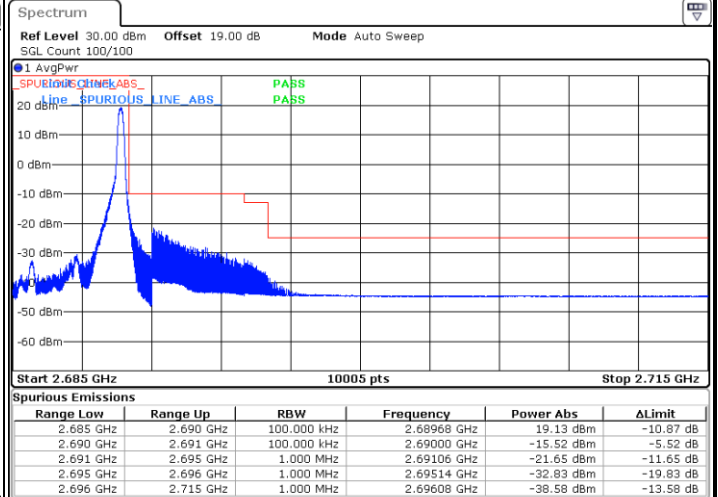
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



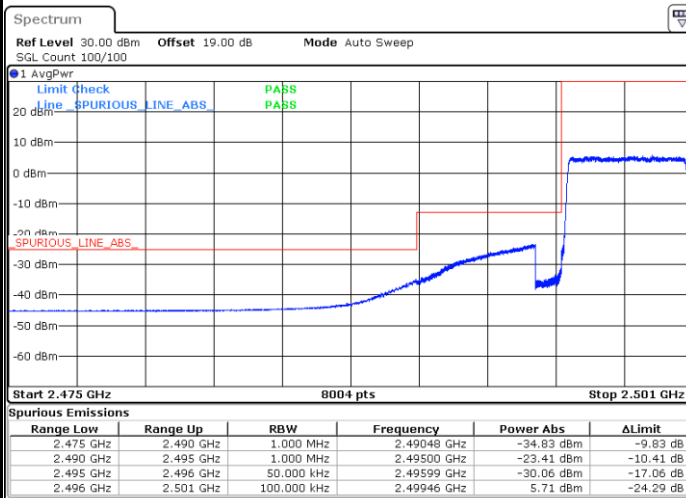
Date: 20 FEB 2025 01:55:28

Highest Band Edge / 1 RB



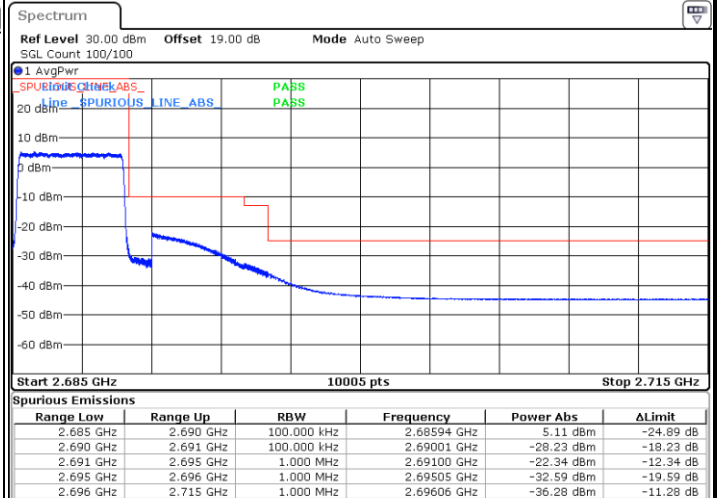
Date: 20 FEB 2025 08:39:41

Lowest Band Edge / Full RB



Date: 20 FEB 2025 01:58:41

Highest Band Edge / Full RB

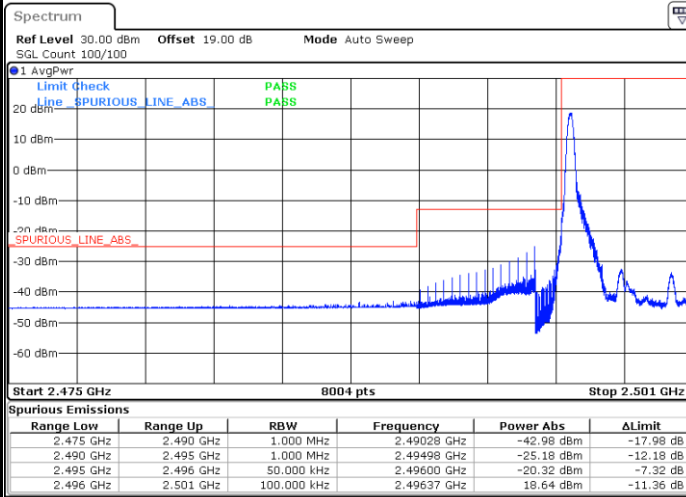


Date: 20 FEB 2025 08:42:51



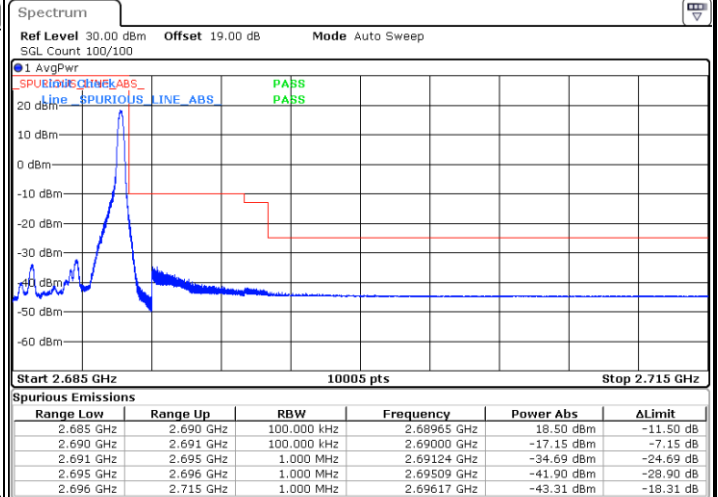
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



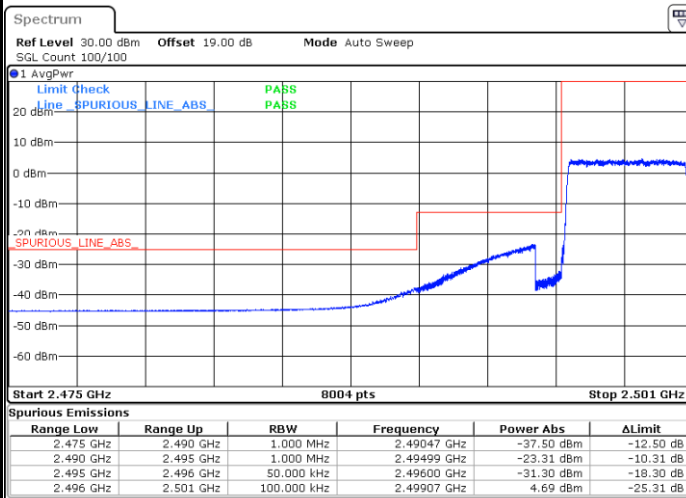
Date: 20 FEB 2025 01:56:32

Highest Band Edge / 1 RB



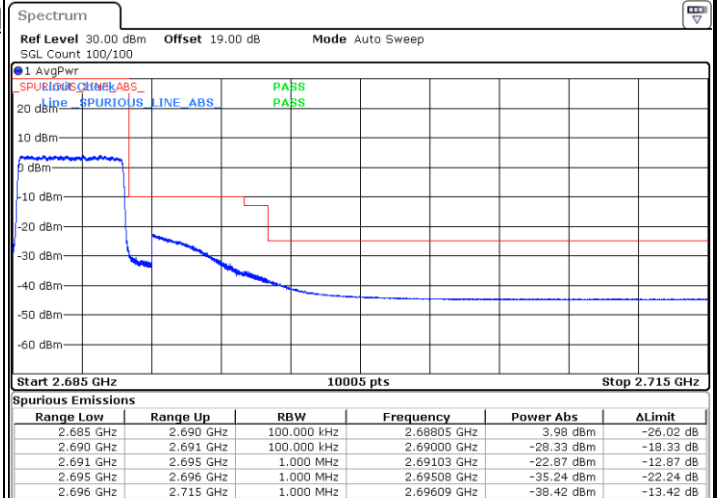
Date: 20 FEB 2025 08:40:44

Lowest Band Edge / Full RB



Date: 20 FEB 2025 01:57:36

Highest Band Edge / Full RB

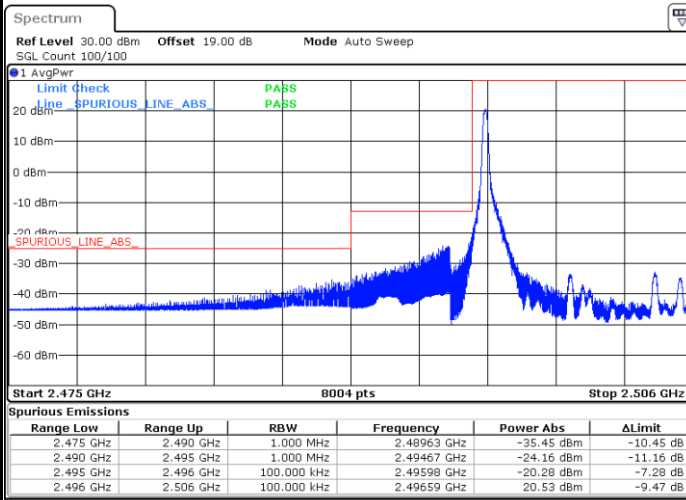


Date: 20 FEB 2025 08:41:48



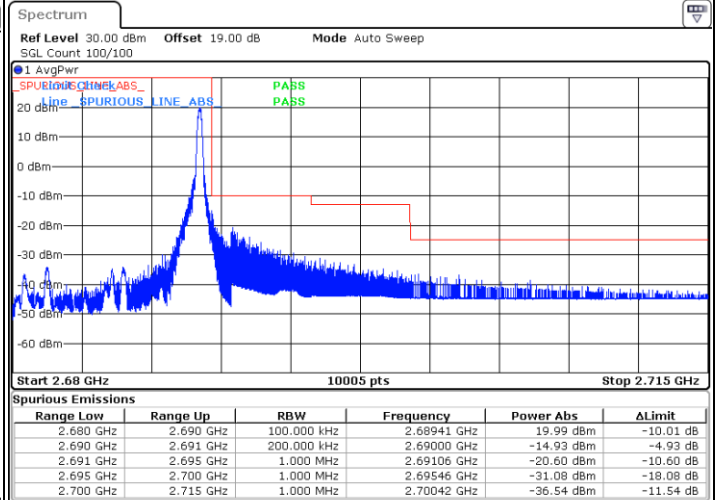
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



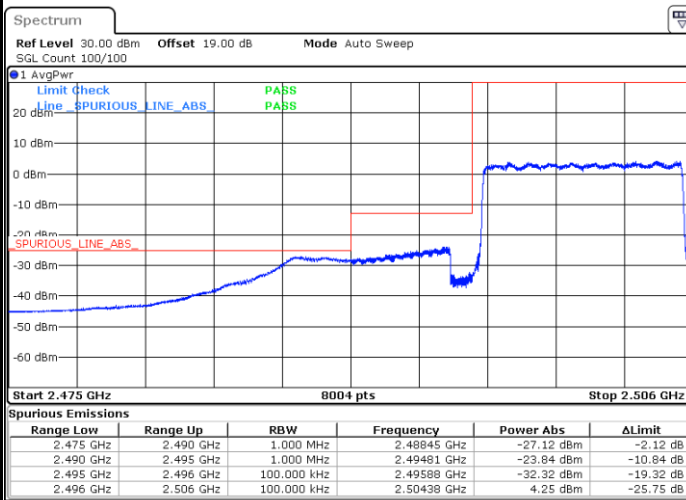
Date: 20 FEB 2025 08:46:49

Highest Band Edge / 1 RB



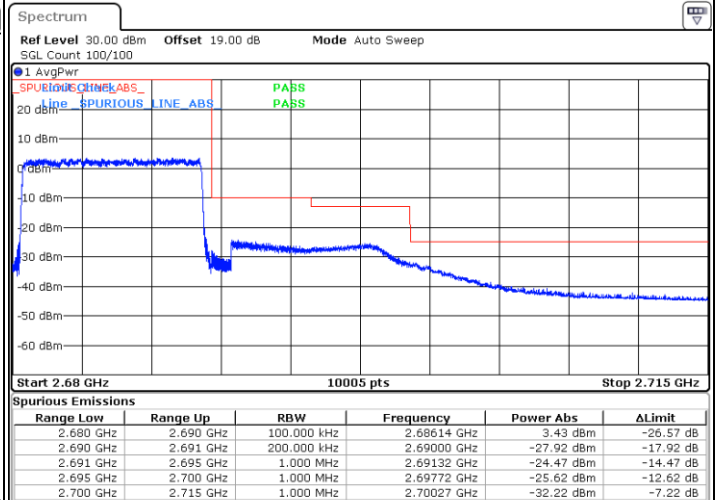
Date: 20 FEB 2025 09:02:01

Lowest Band Edge / Full RB



Date: 20 FEB 2025 08:57:23

Highest Band Edge / Full RB

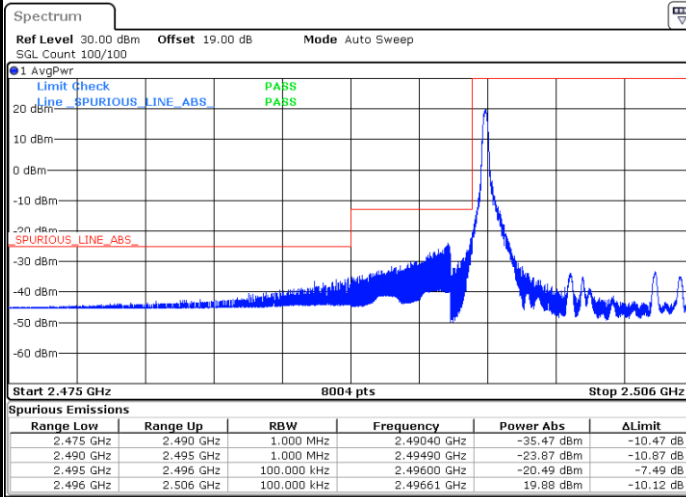


Date: 20 FEB 2025 09:07:05



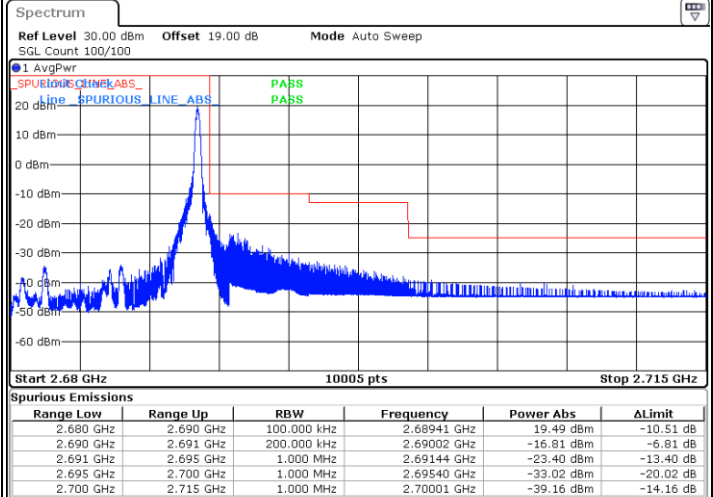
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1RB



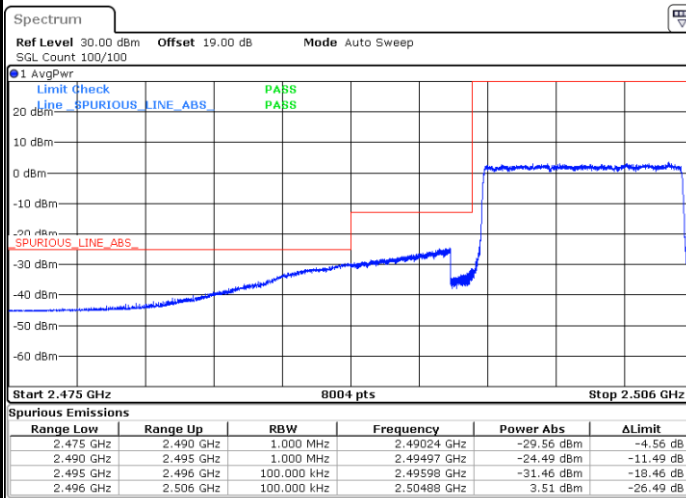
Date: 20 FEB 2025 08:49:47

Highest Band Edge / 1 RB



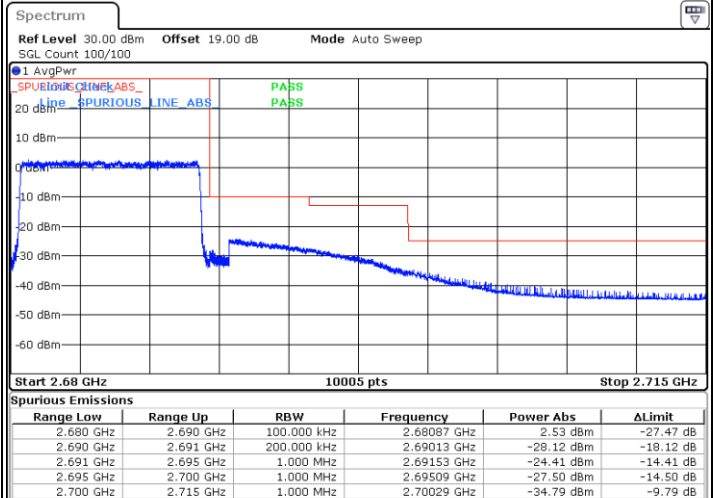
Date: 20 FEB 2025 09:03:02

Lowest Band Edge / Full RB



Date: 20 FEB 2025 08:56:22

Highest Band Edge / Full RB

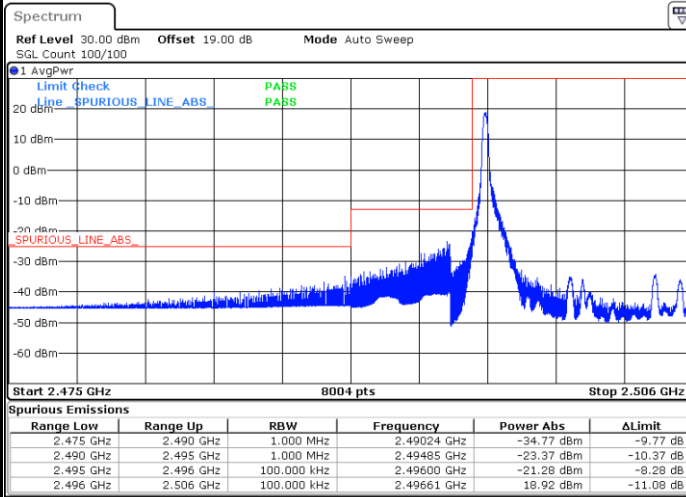


Date: 20 FEB 2025 09:06:04



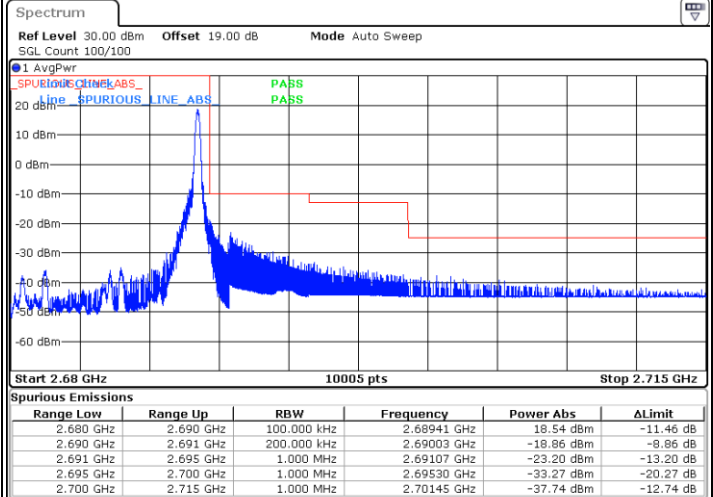
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1RB



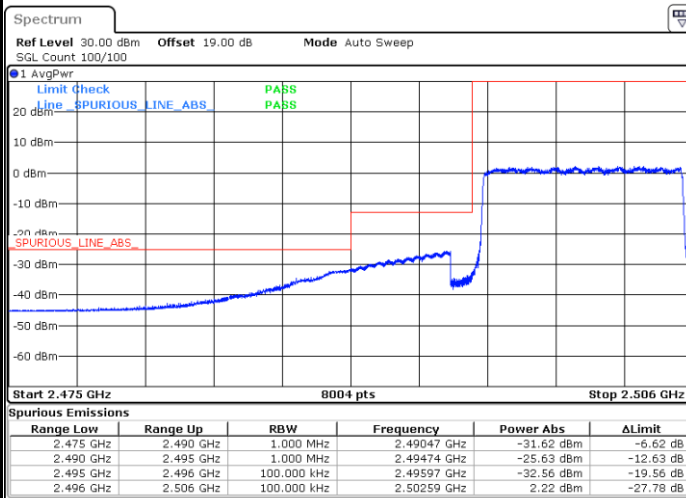
Date: 20 FEB 2025 08:54:20

Highest Band Edge / 1 RB



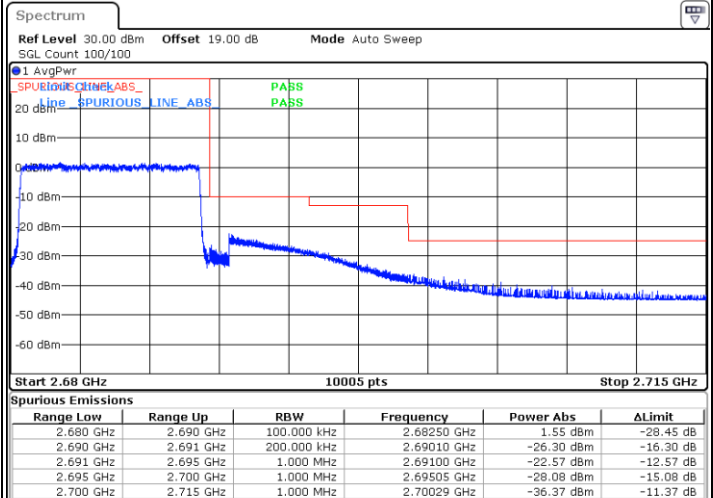
Date: 20 FEB 2025 09:04:03

Lowest Band Edge / Full RB



Date: 20 FEB 2025 08:55:22

Highest Band Edge / Full RB

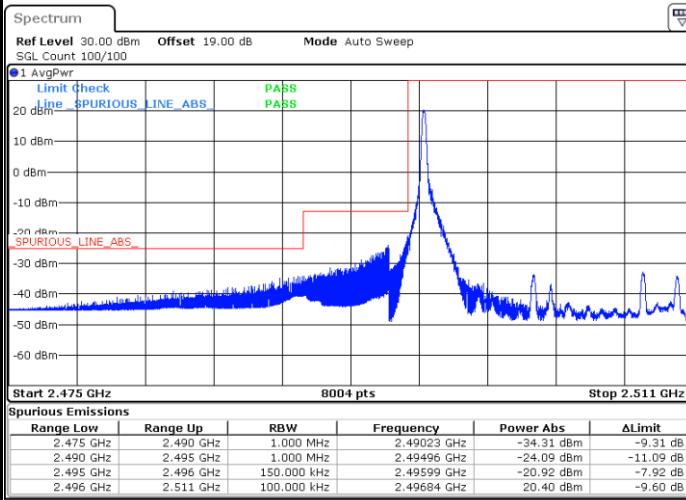


Date: 20 FEB 2025 09:05:03

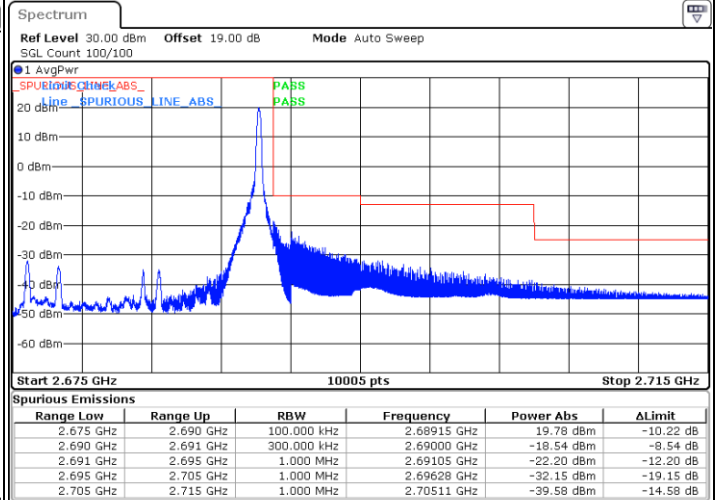


LTE Band 41 / 15MHz / QPSK

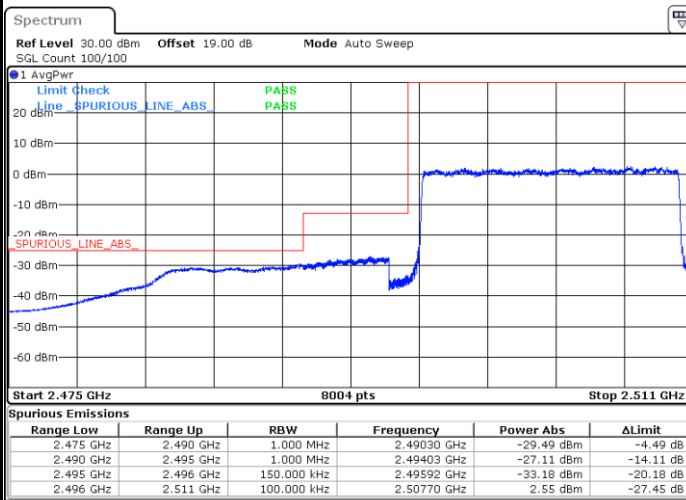
Lowest Band Edge / 1 RB



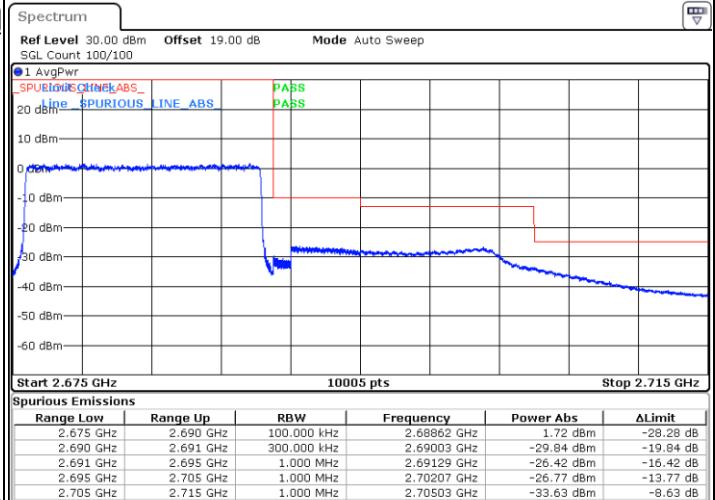
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



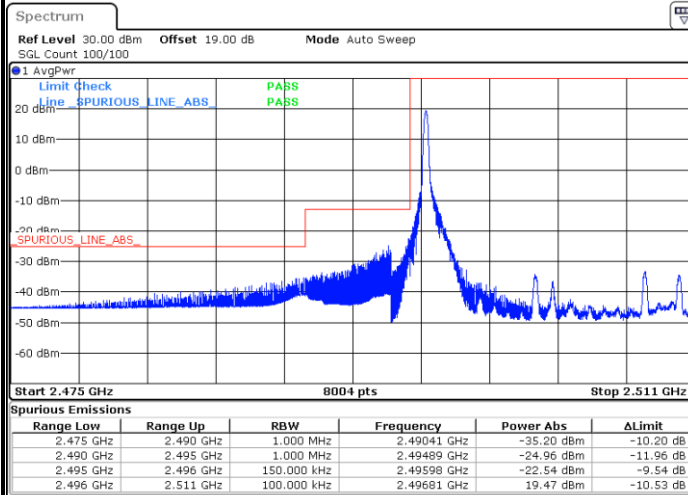
Highest Band Edge / Full RB





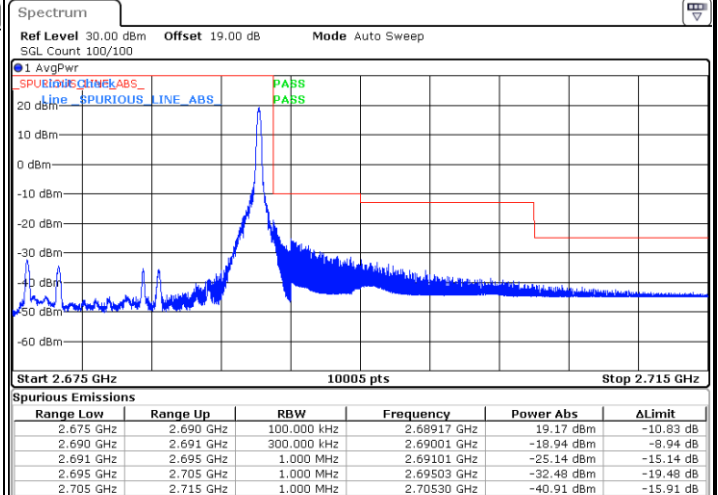
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1RB



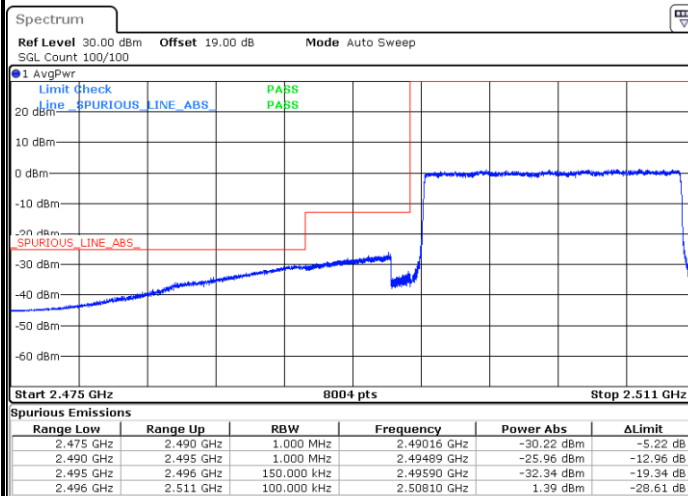
Date: 20 FEB 2025 09:15:16

Highest Band Edge / 1 RB



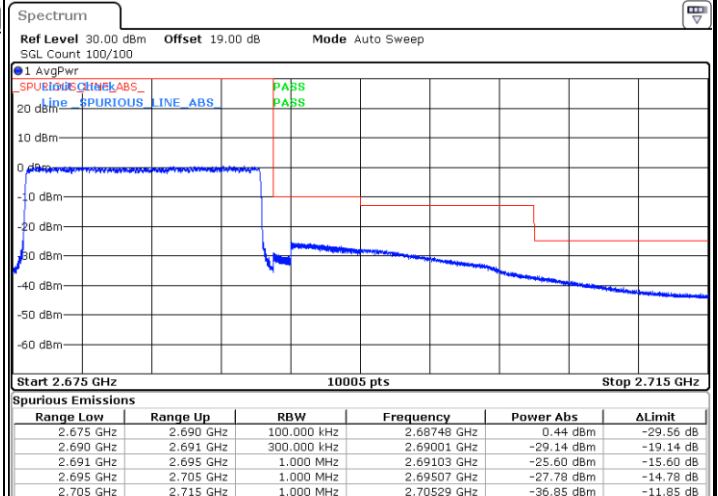
Date: 20 FEB 2025 09:24:58

Lowest Band Edge / Full RB



Date: 20 FEB 2025 09:18:18

Highest Band Edge / Full RB

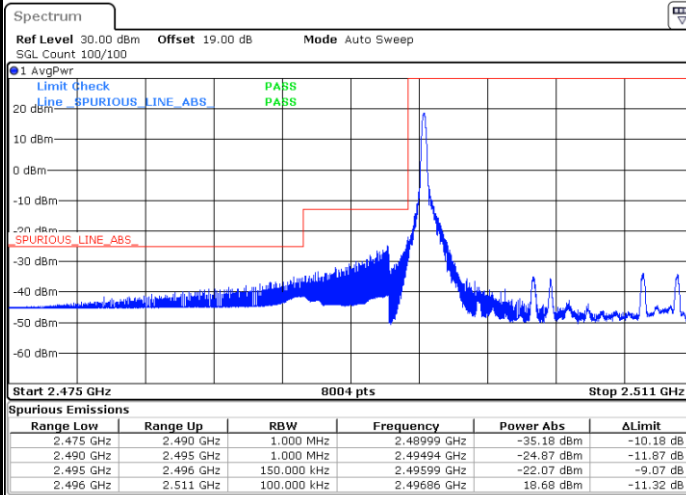


Date: 20 FEB 2025 09:27:59



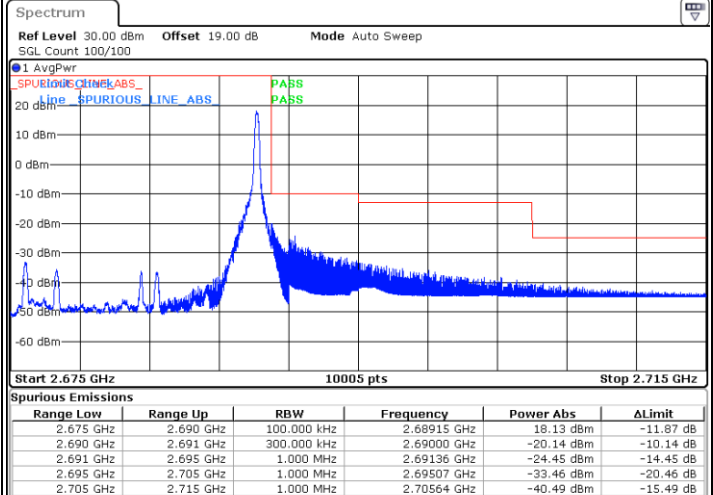
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1RB



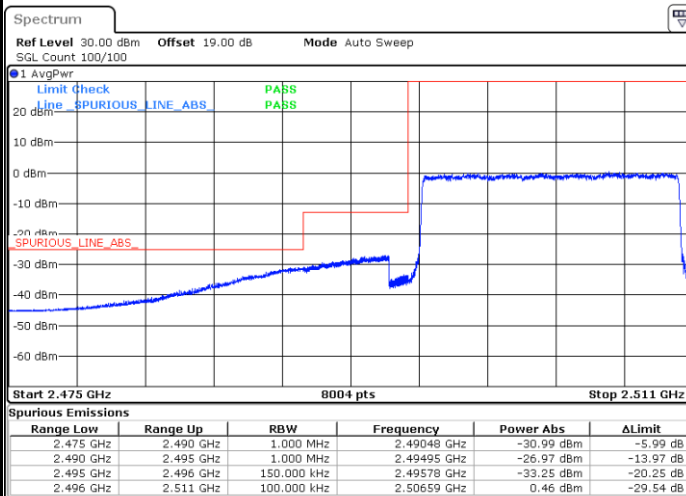
Date: 20 FEB 2025 09:16:17

Highest Band Edge / 1 RB



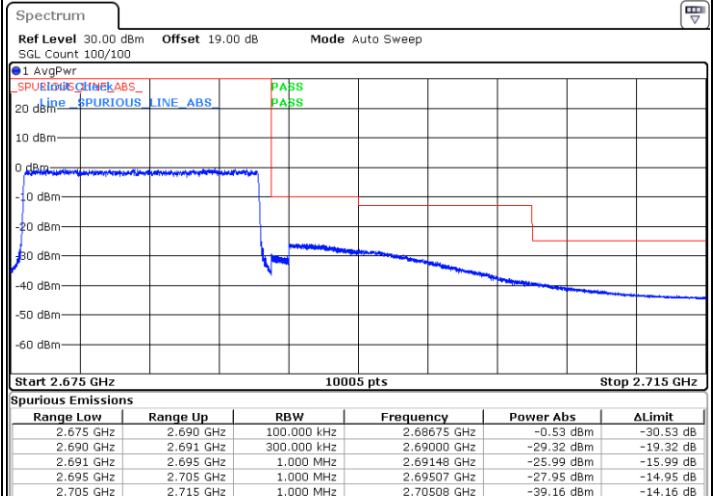
Date: 20 FEB 2025 09:25:58

Lowest Band Edge / Full RB



Date: 20 FEB 2025 09:17:18

Highest Band Edge / Full RB

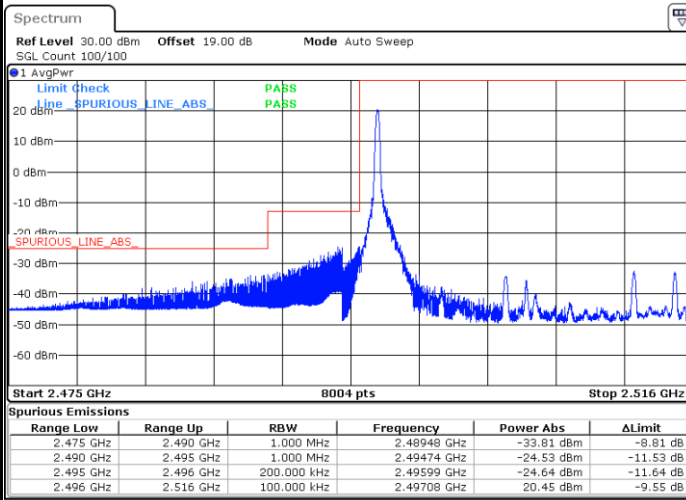


Date: 20 FEB 2025 09:26:59

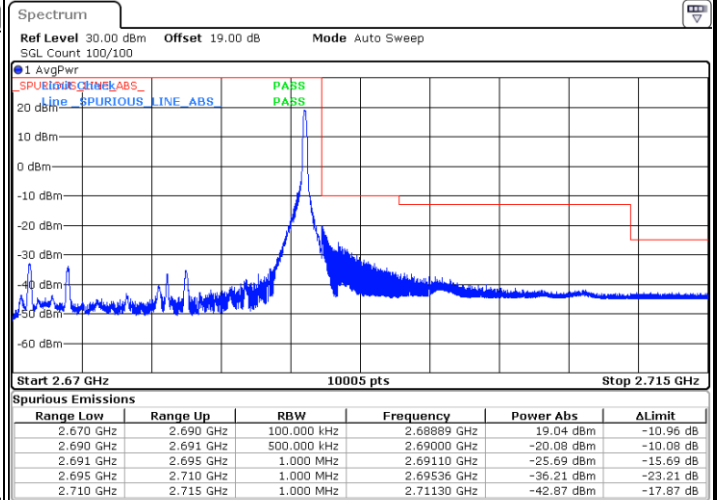


LTE Band 41 / 20MHz / QPSK

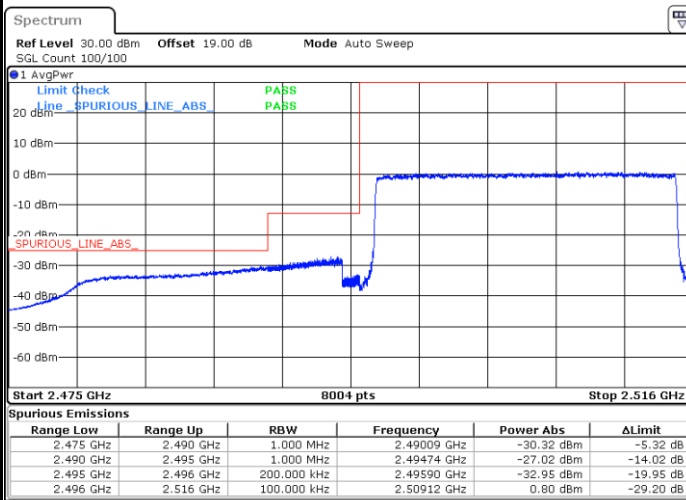
Lowest Band Edge / 1 RB



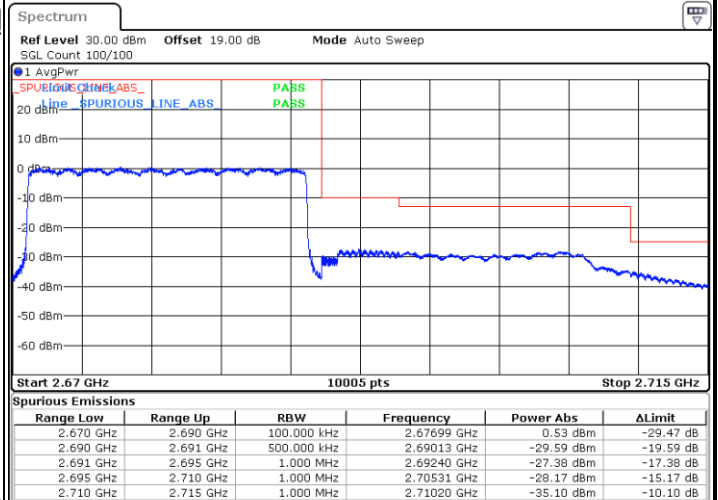
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



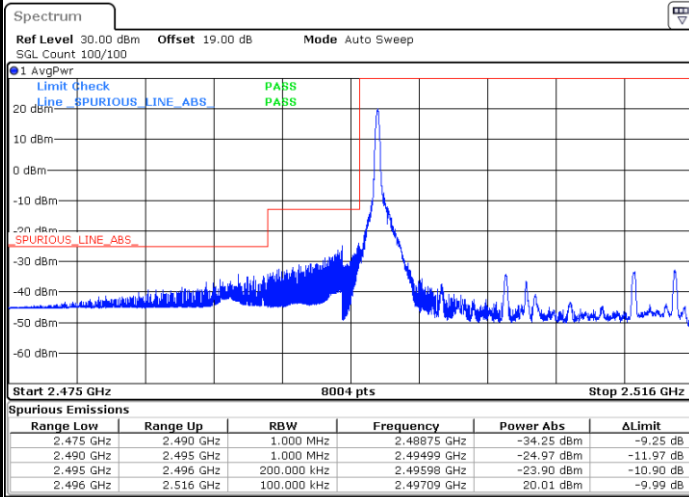
Highest Band Edge / Full RB





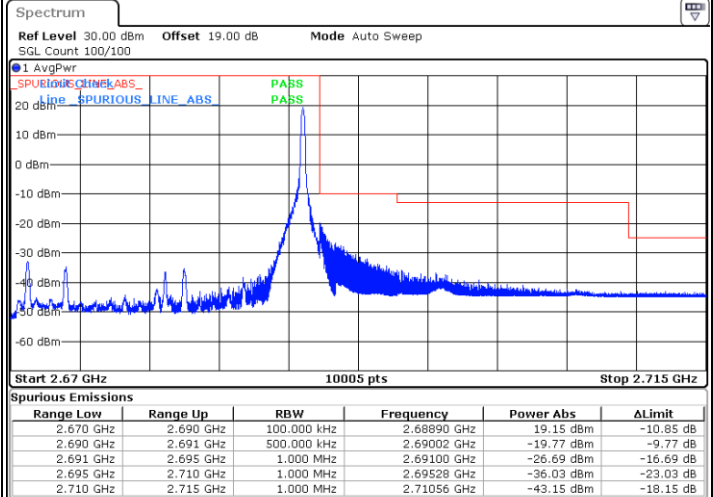
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1RB



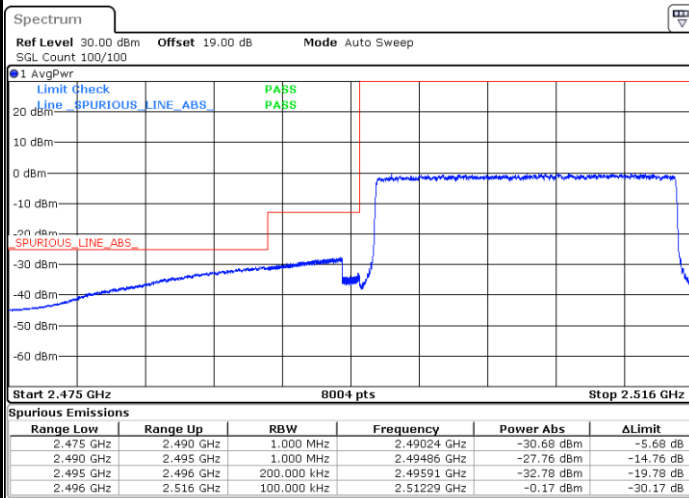
Date: 20 FEB 2025 09:39:09

Highest Band Edge / 1 RB



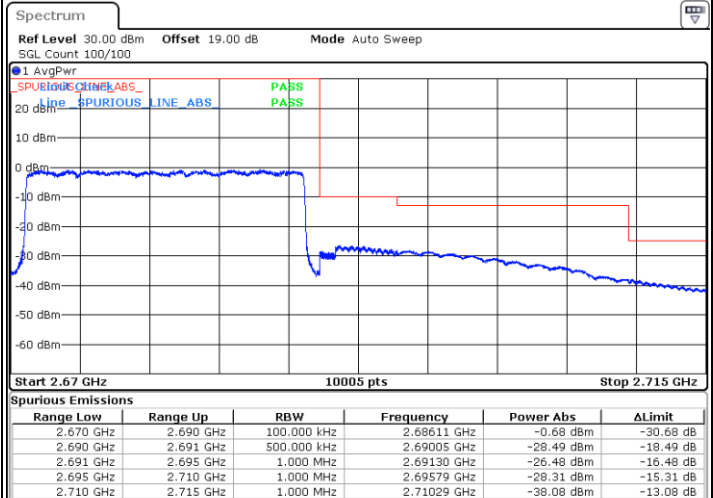
Date: 20 FEB 2025 09:50:10

Lowest Band Edge / Full RB



Date: 20 FEB 2025 09:42:11

Highest Band Edge / Full RB

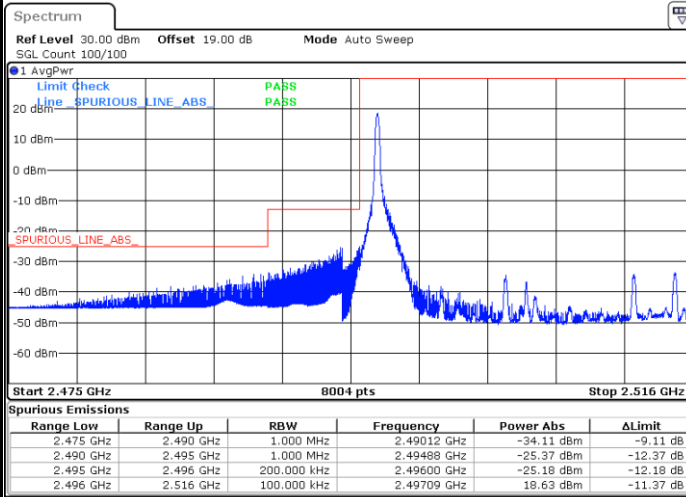


Date: 20 FEB 2025 09:53:12



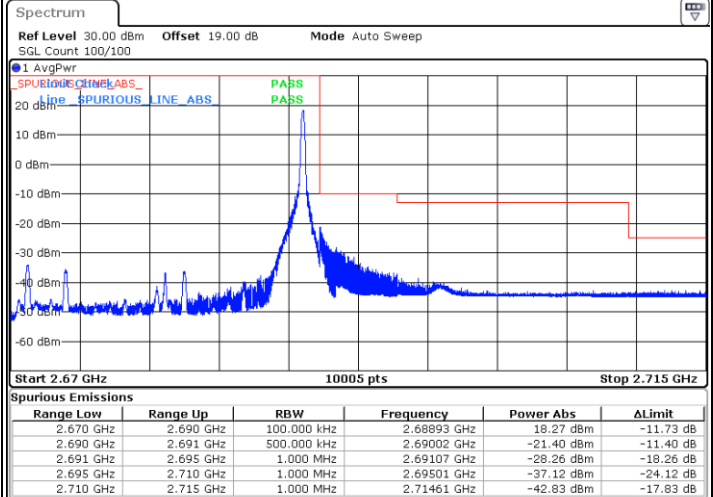
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1RB



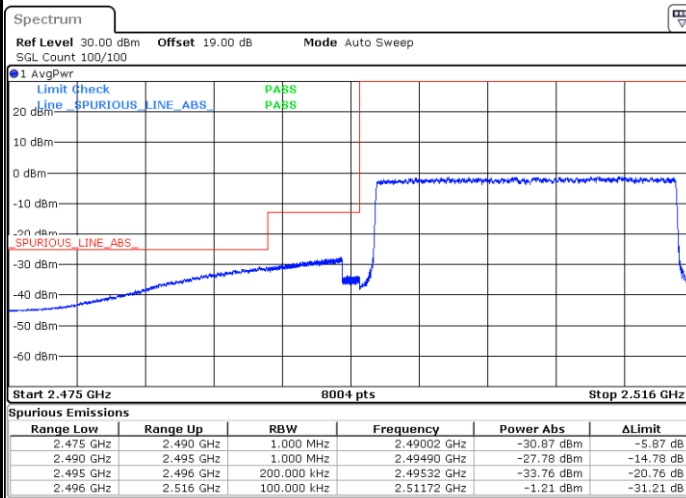
Date: 20 FEB 2025 09:40:09

Highest Band Edge / 1 RB



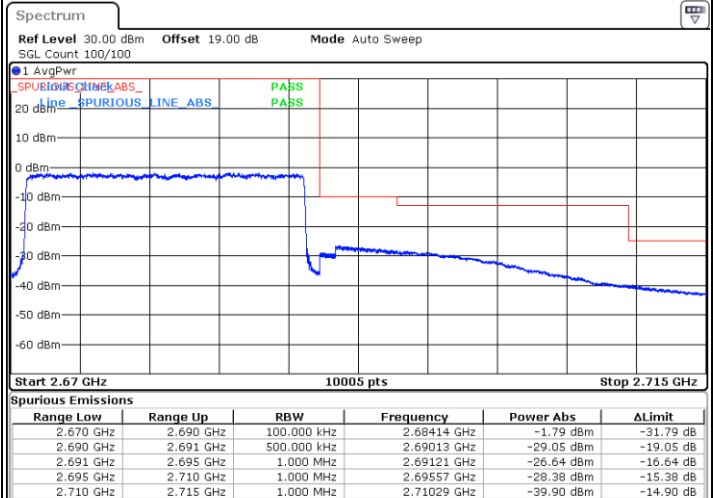
Date: 20 FEB 2025 09:51:10

Lowest Band Edge / Full RB



Date: 20 FEB 2025 09:41:10

Highest Band Edge / Full RB



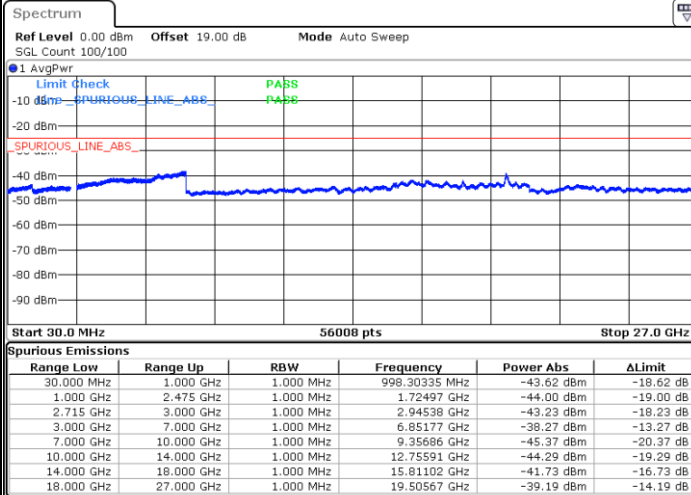
Date: 20 FEB 2025 09:52:11



Conducted Spurious Emission

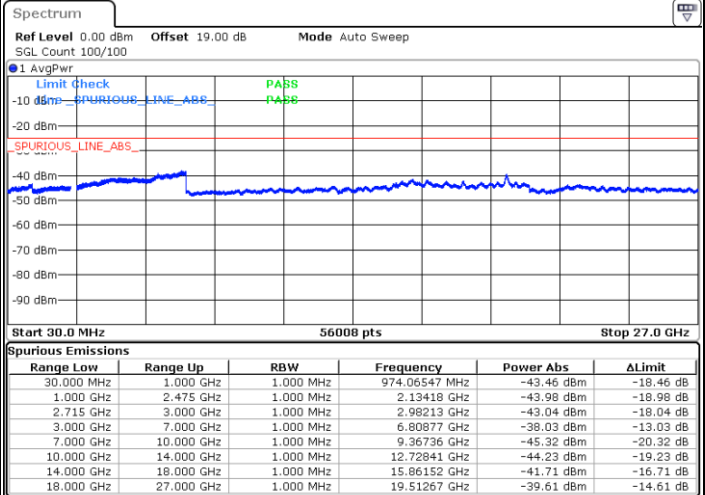
LTE Band 41 / 5MHz

Lowest Channel / QPSK



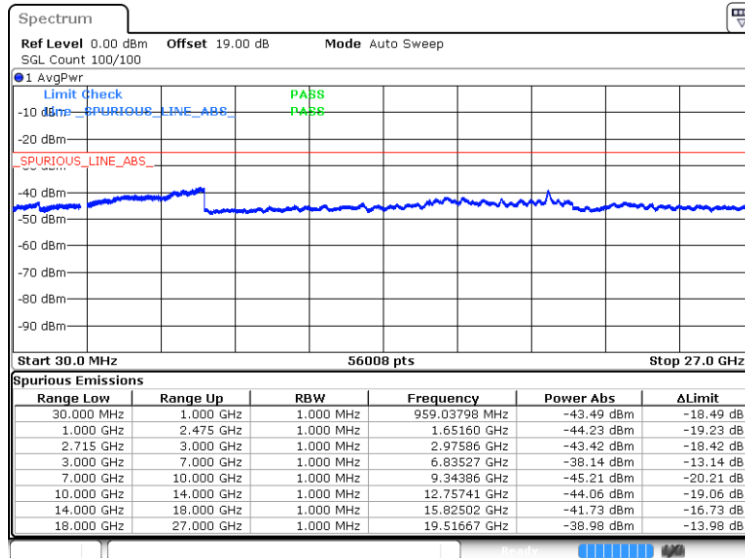
Date: 20 FEB 2025 02:00:58

Middle Channel / QPSK



Date: 20 FEB 2025 02:02:11

Highest Channel / QPSK

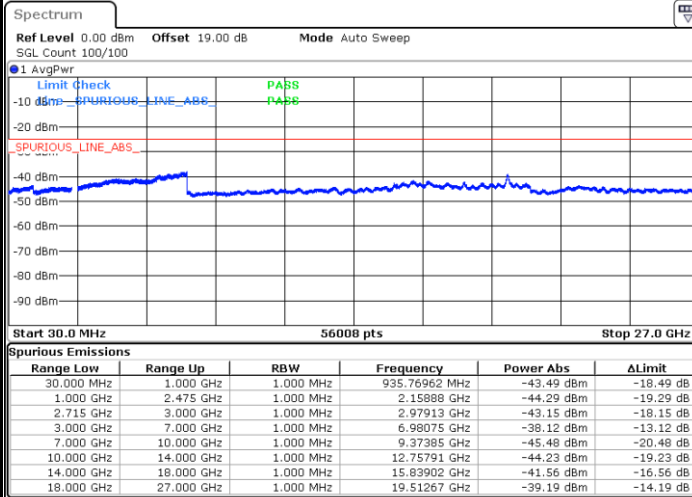


Date: 20 FEB 2025 08:45:05



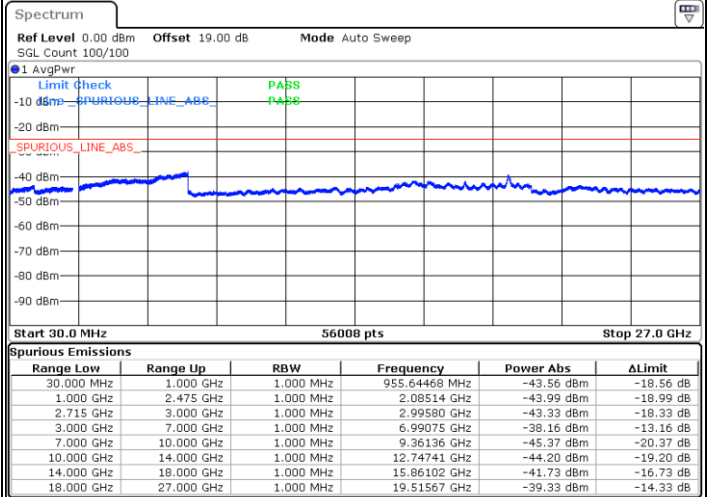
LTE Band 41 / 10MHz

Lowest Channel / QPSK



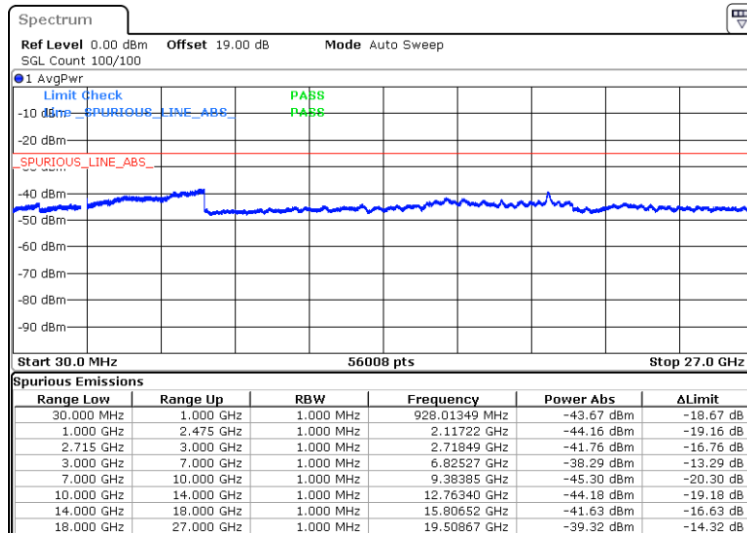
Date: 20 FEB 2025 08:58:33

Middle Channel / QPSK



Date: 20 FEB 2025 08:59:43

Highest Channel / QPSK

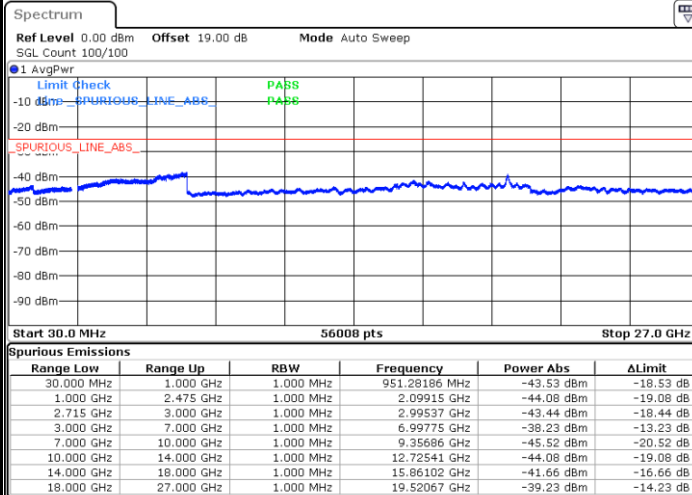


Date: 20 FEB 2025 09:08:15



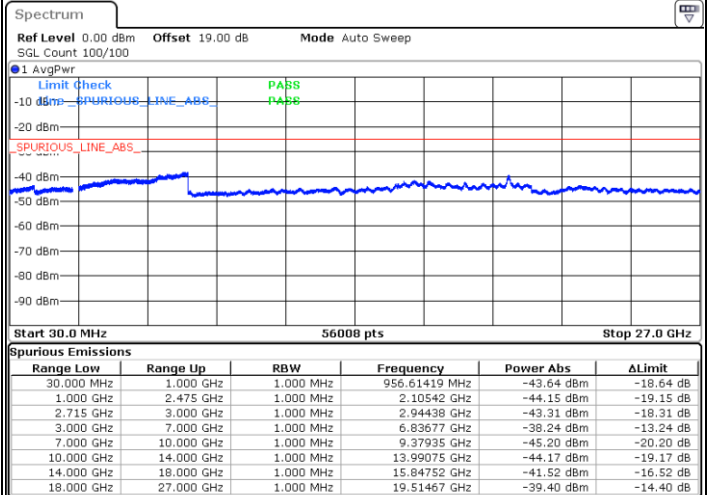
LTE Band 41 / 15MHz

Lowest Channel / QPSK



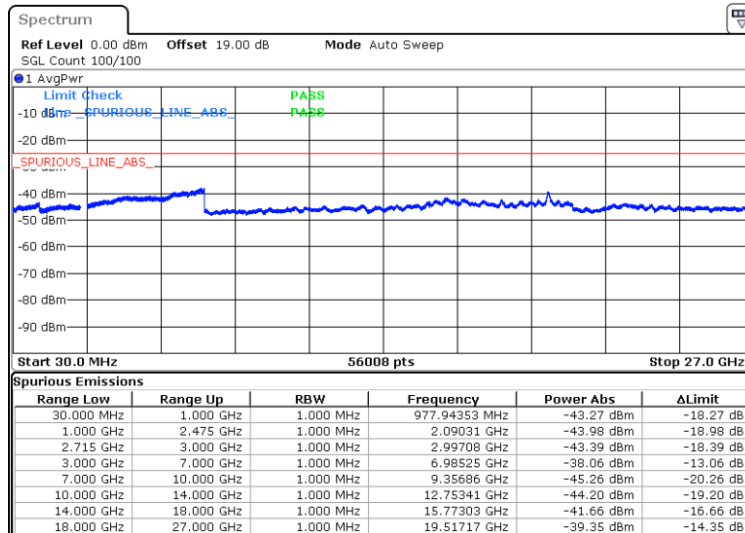
Date: 20 FEB 2025 09:20:29

Middle Channel / QPSK



Date: 20 FEB 2025 09:21:39

Highest Channel / QPSK



Date: 20 FEB 2025 09:30:10