



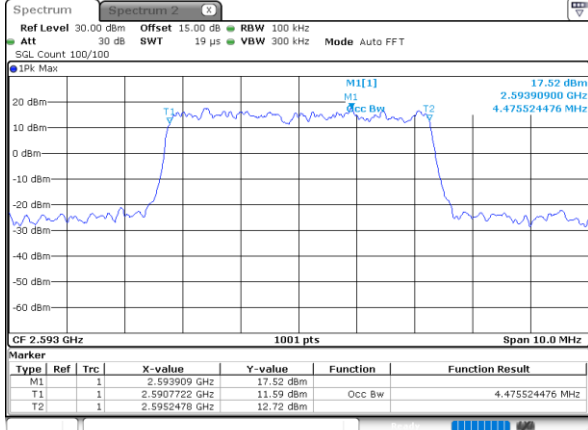
Occupied Bandwidth

Mode	LTE Band 41 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.48	4.50	9.01	9.03	13.43	13.46	17.86	17.86



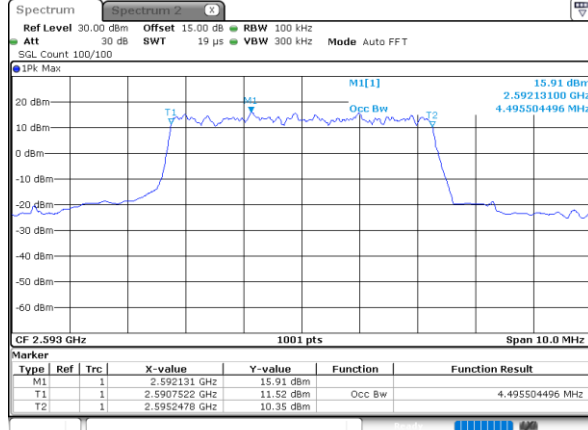
LTE Band 41

Middle Channel / 5MHz / QPSK



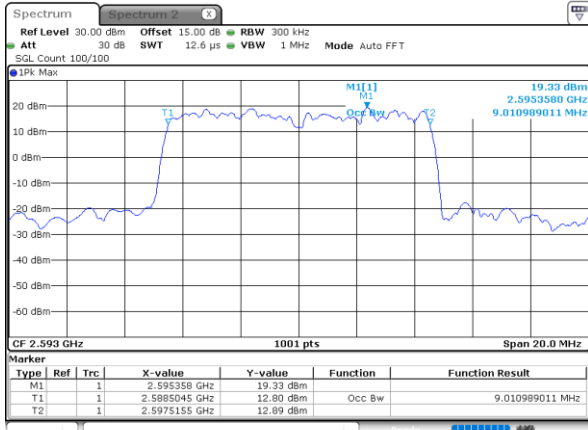
Date: 11.FEB.2025 15:19:43

Middle Channel / 5MHz / 16QAM



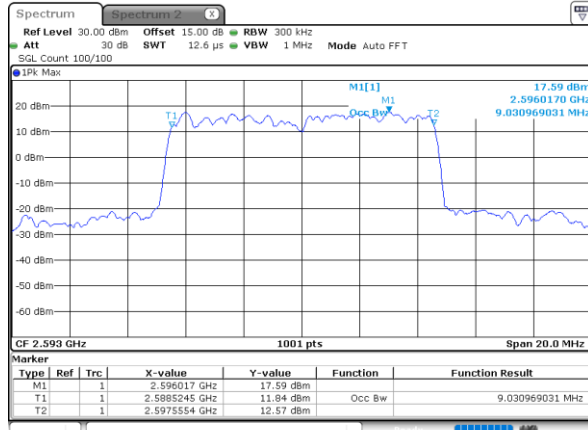
Date: 11.FEB.2025 15:20:22

Middle Channel / 10MHz / QPSK



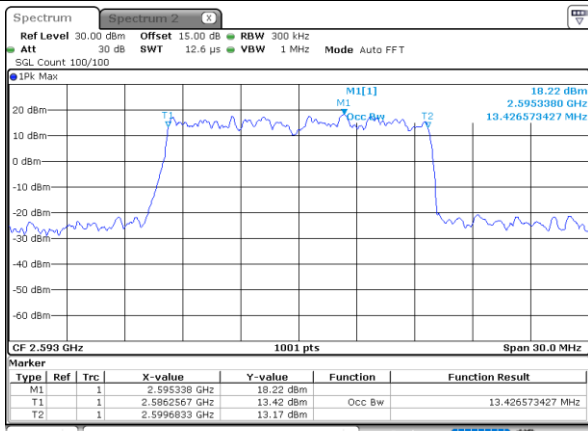
Date: 11.FEB.2025 15:37:54

Middle Channel / 10MHz / 16QAM



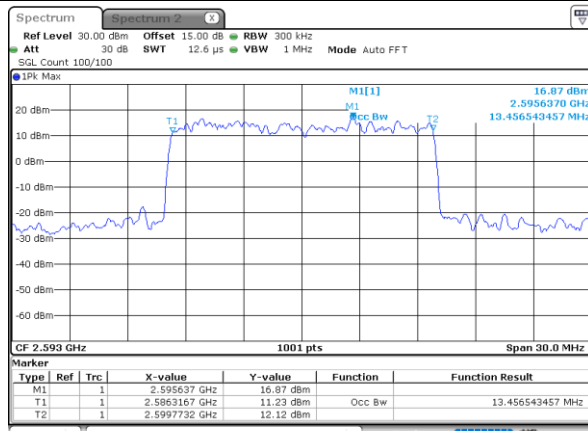
Date: 11.FEB.2025 15:38:34

Middle Channel / 15MHz / QPSK



Date: 11.FEB.2025 16:12:21

Middle Channel / 15MHz / 16QAM



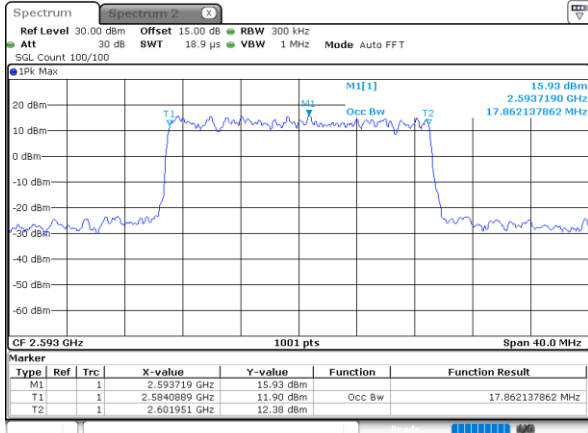
Date: 11.FEB.2025 16:12:40



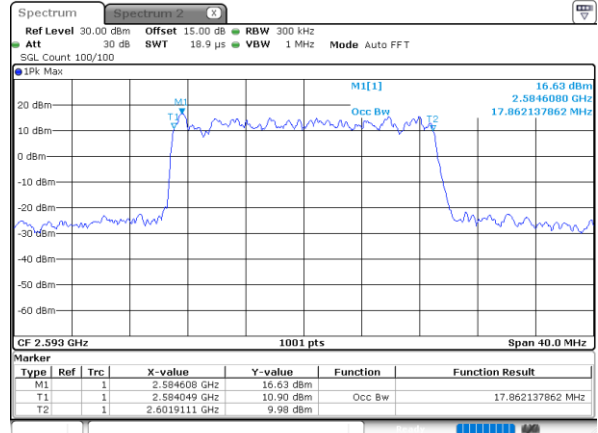
LTE Band 41

Middle Channel / 20MHz / QPSK

Middle Channel / 20MHz / 16QAM



Date: 11.FEB.2025 16:43:33



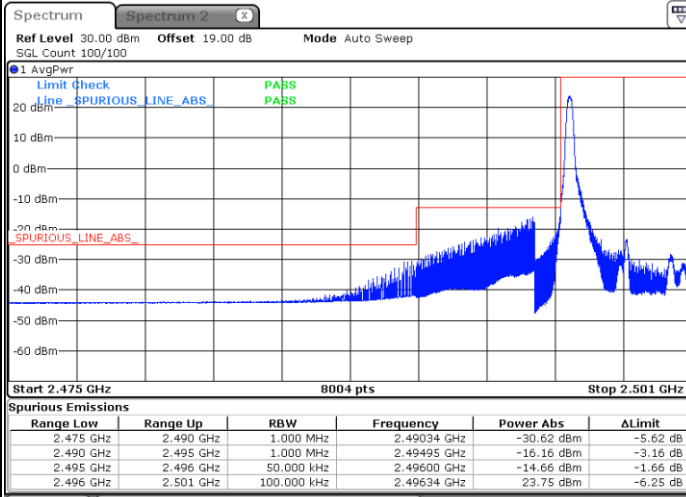
Date: 11.FEB.2025 16:44:10



Conducted Band Edge

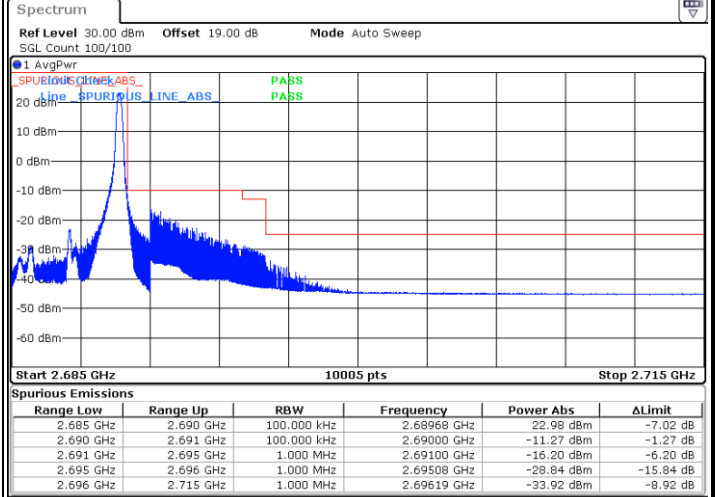
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



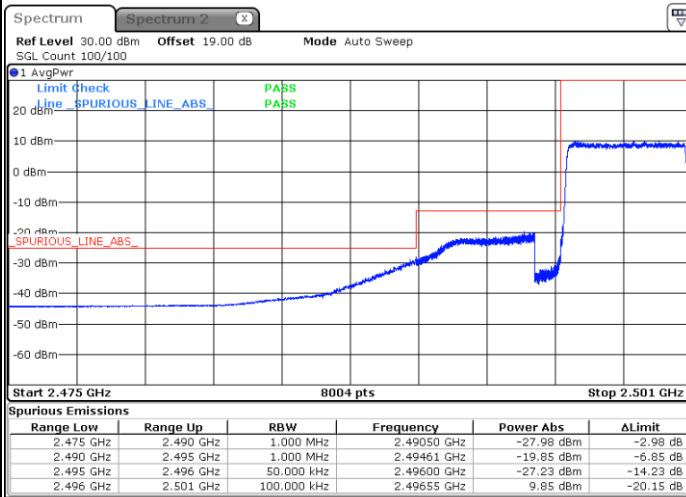
Date: 11.FEB.2025 15:11:53

Highest Band Edge / 1 RB



Date: 12.FEB.2025 19:46:57

Lowest Band Edge / Full RB



Date: 11.FEB.2025 15:16:43

Highest Band Edge / Full RB

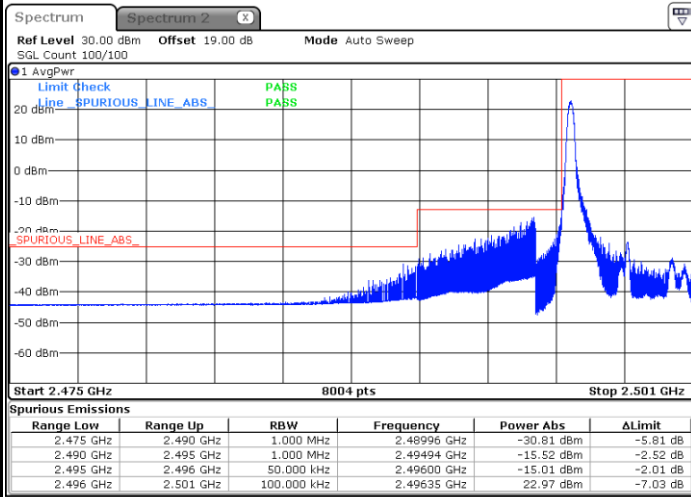


Date: 12.FEB.2025 19:52:31



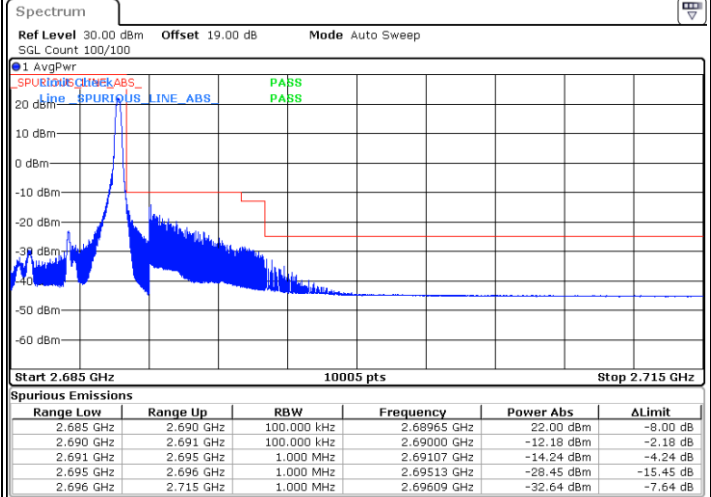
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



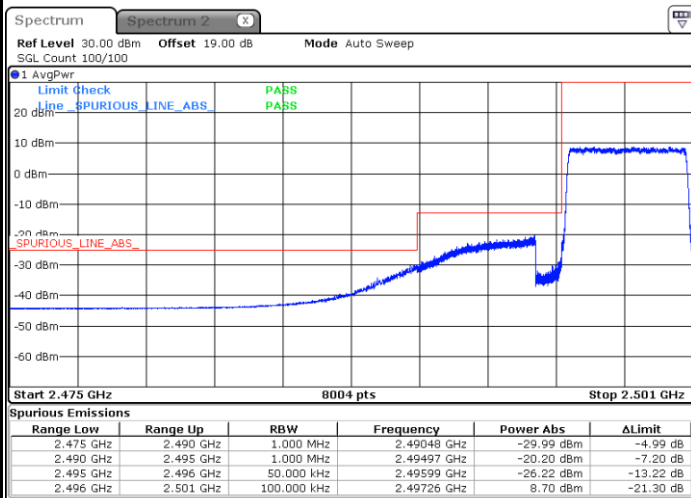
Date: 11.FEB.2025 15:12:50

Highest Band Edge / 1 RB



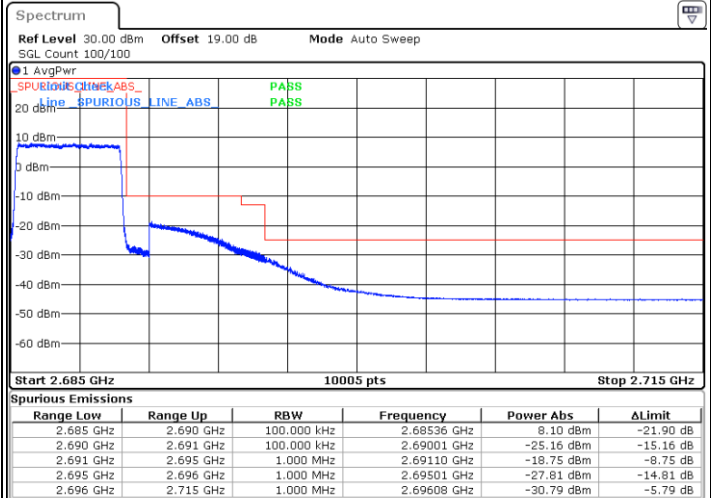
Date: 12.FEB.2025 19:48:03

Lowest Band Edge / Full RB



Date: 11.FEB.2025 15:15:46

Highest Band Edge / Full RB

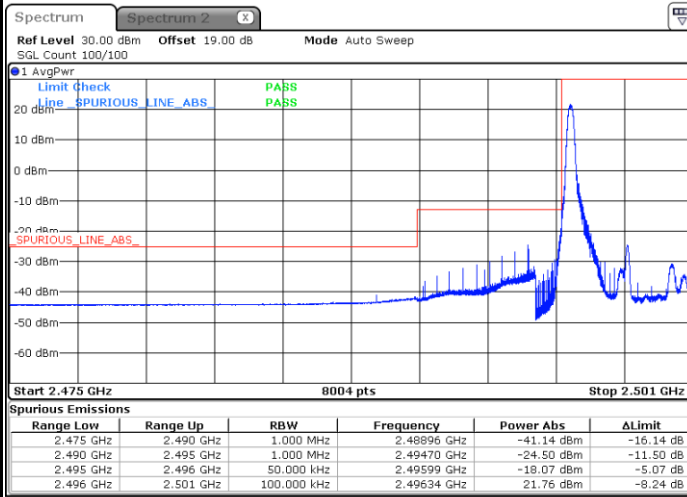


Date: 12.FEB.2025 19:51:24



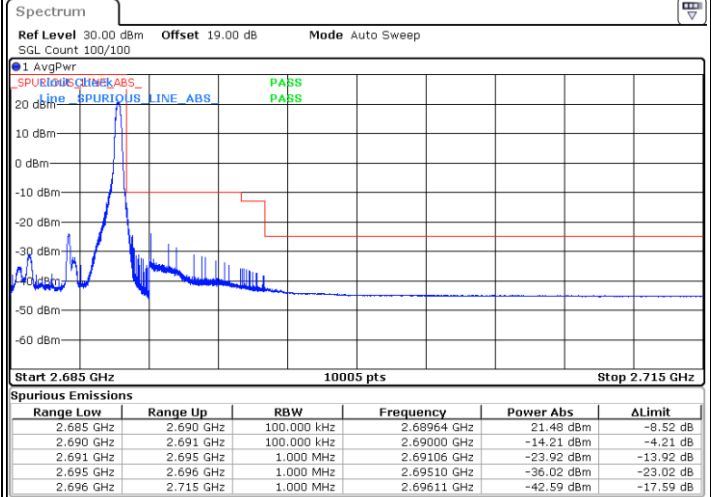
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



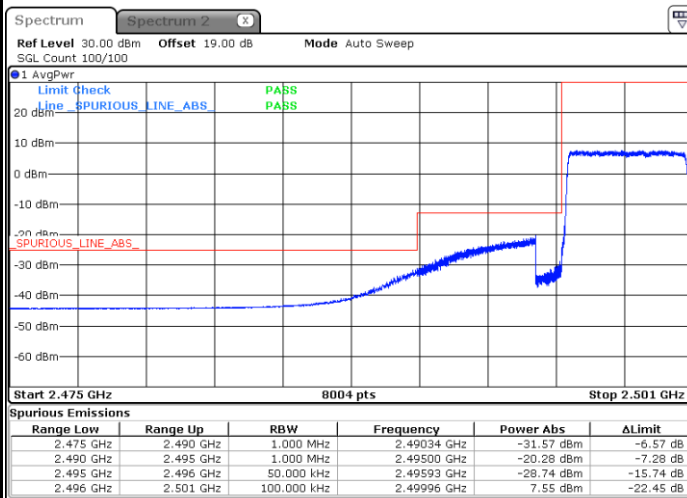
Date: 11.FEB.2025 15:13:52

Highest Band Edge / 1 RB



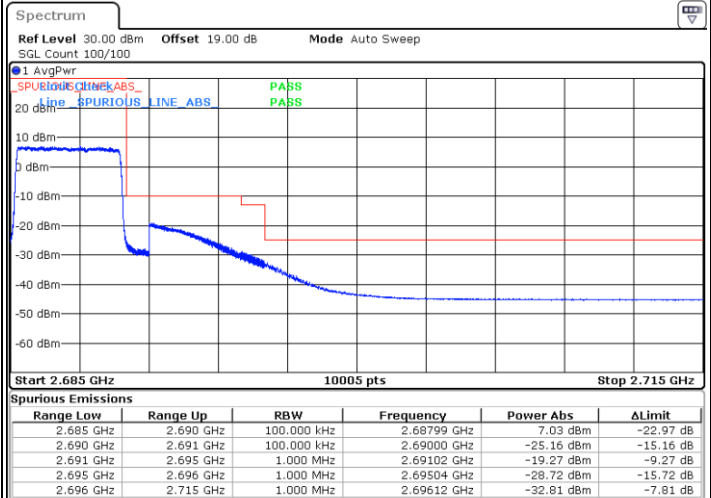
Date: 12.FEB.2025 19:49:10

Lowest Band Edge / Full RB



Date: 11.FEB.2025 15:14:49

Highest Band Edge / Full RB

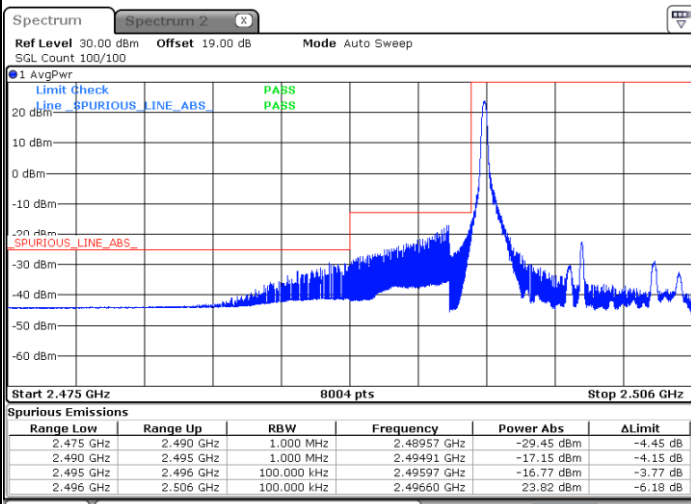


Date: 12.FEB.2025 19:50:17



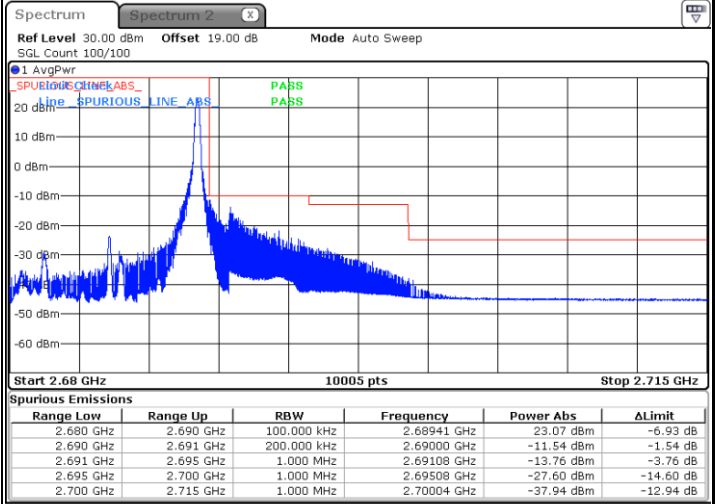
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



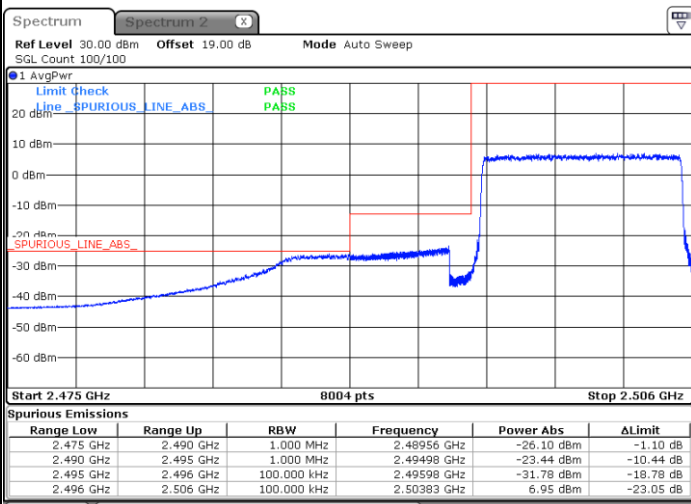
Date: 11.FEB.2025 15:30:10

Highest Band Edge / 1 RB



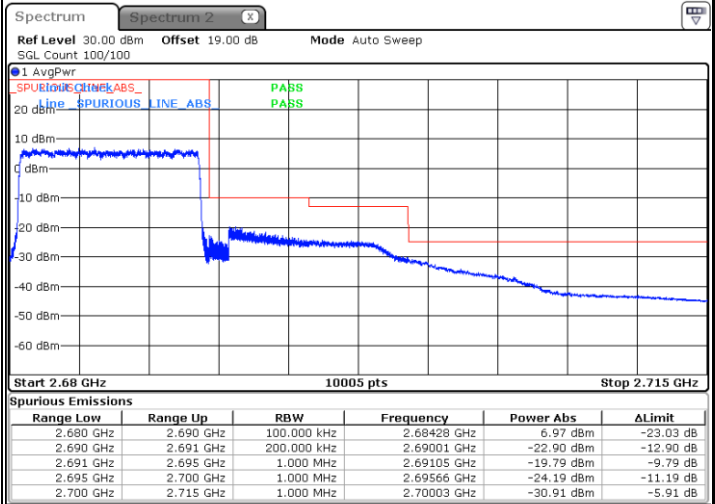
Date: 11.FEB.2025 15:39:41

Lowest Band Edge / Full RB



Date: 11.FEB.2025 17:03:05

Highest Band Edge / Full RB

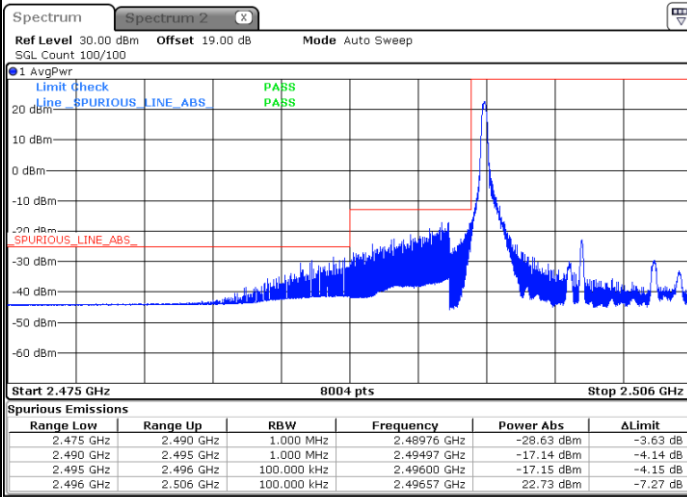


Date: 11.FEB.2025 16:15:09



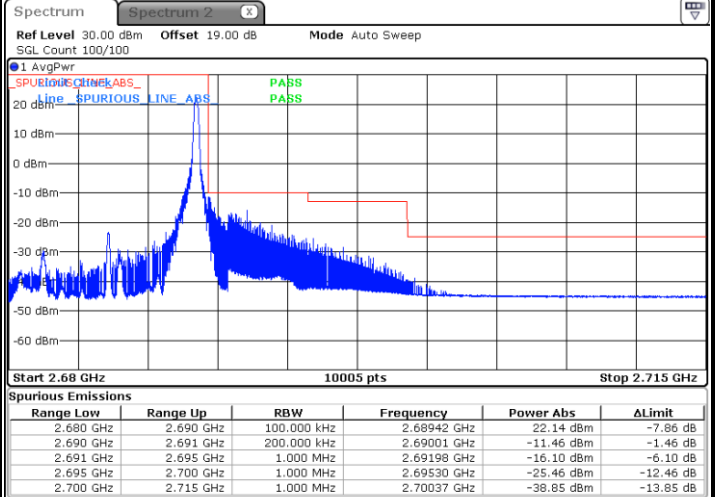
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1RB



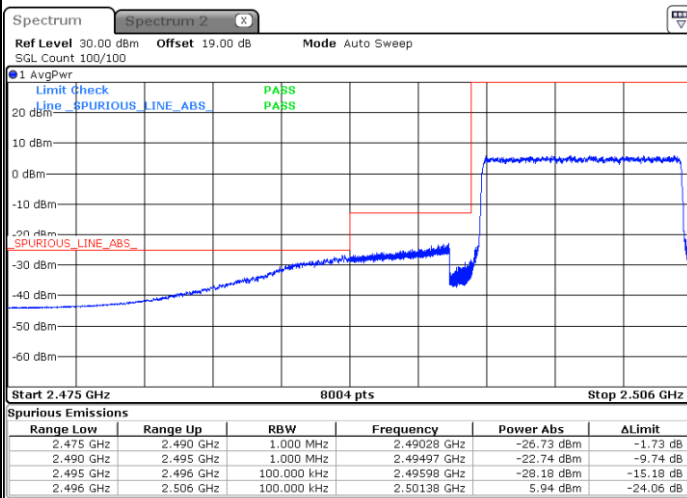
Date: 11.FEB.2025 15:31:07

Highest Band Edge / 1 RB



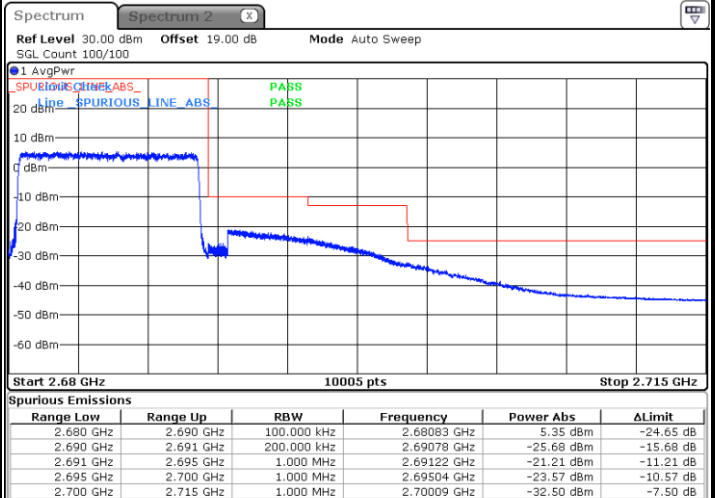
Date: 11.FEB.2025 15:40:37

Lowest Band Edge / Full RB



Date: 11.FEB.2025 15:33:58

Highest Band Edge / Full RB

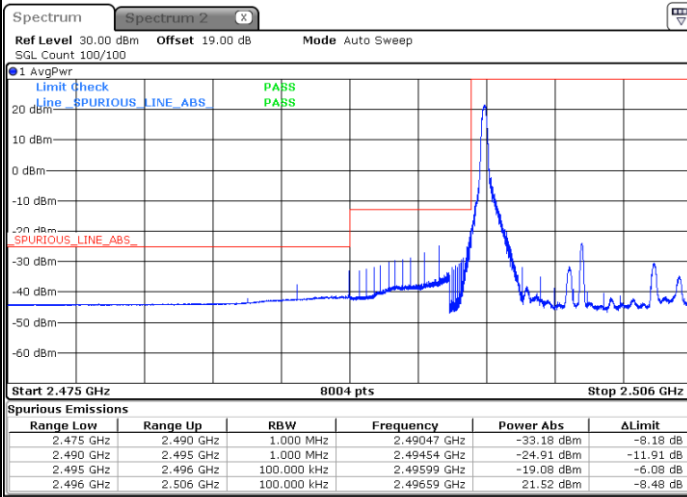


Date: 11.FEB.2025 16:14:13



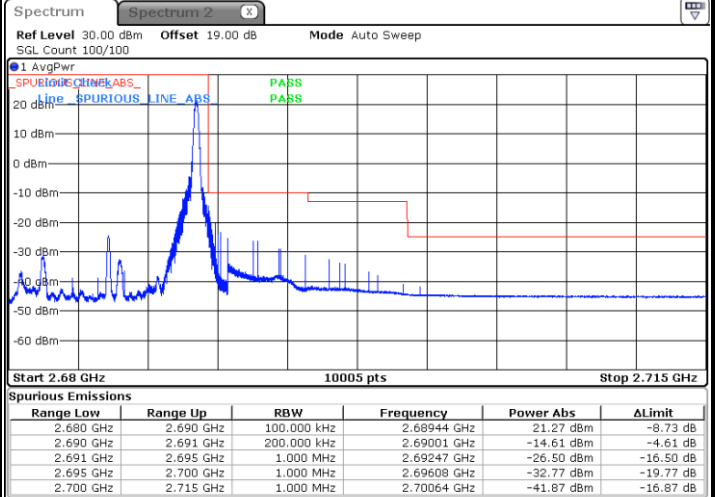
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1RB



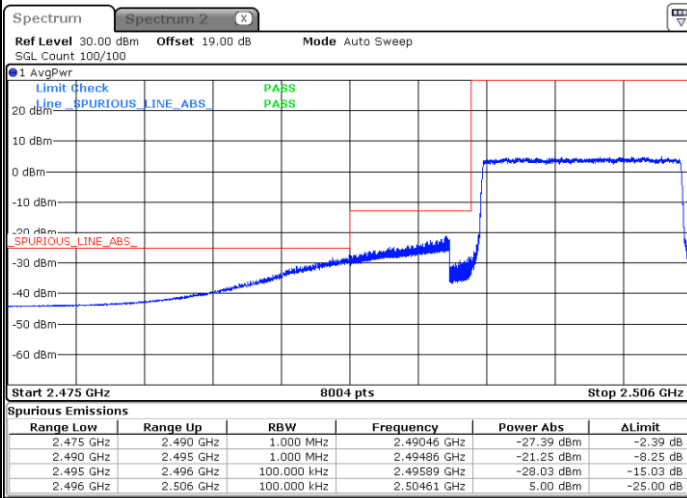
Date: 11.FEB.2025 15:32:04

Highest Band Edge / 1 RB



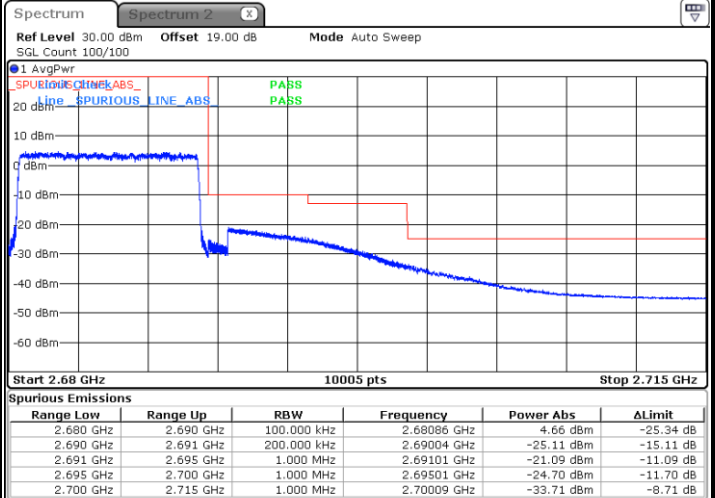
Date: 11.FEB.2025 15:41:34

Lowest Band Edge / Full RB



Date: 11.FEB.2025 15:33:01

Highest Band Edge / Full RB

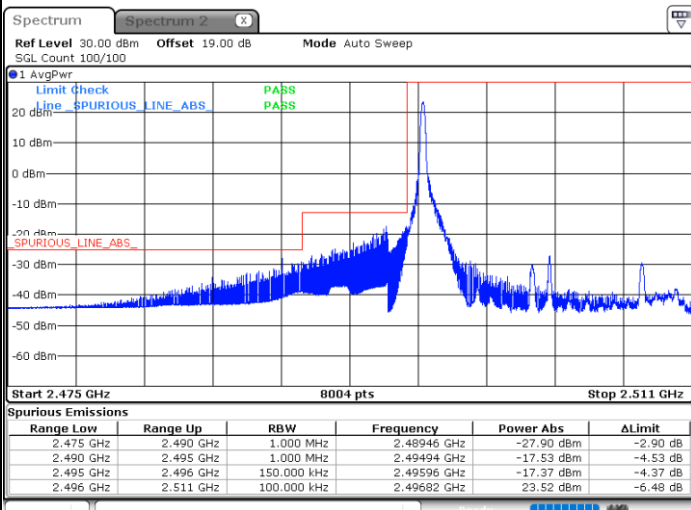


Date: 11.FEB.2025 15:42:35



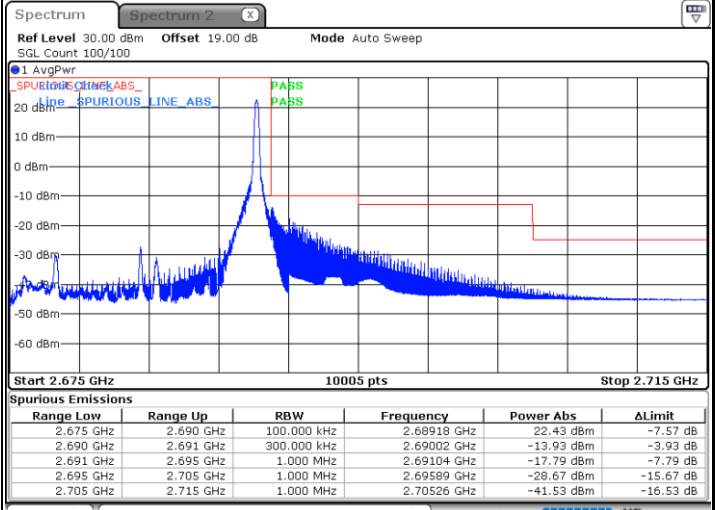
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



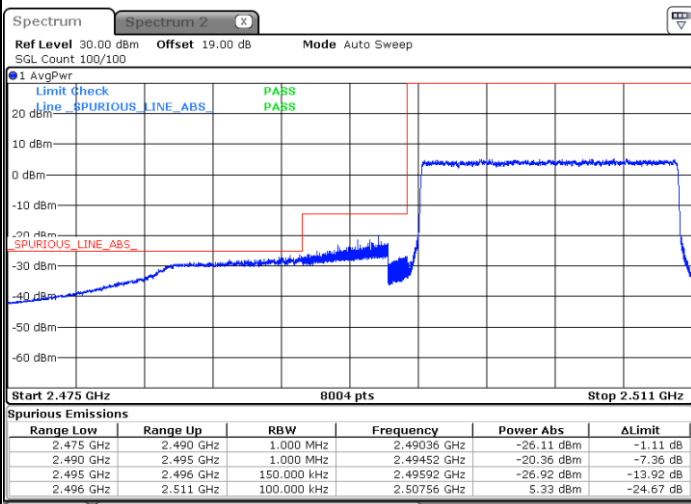
Date: 11.FEB.2025 16:18:37

Highest Band Edge / 1 RB



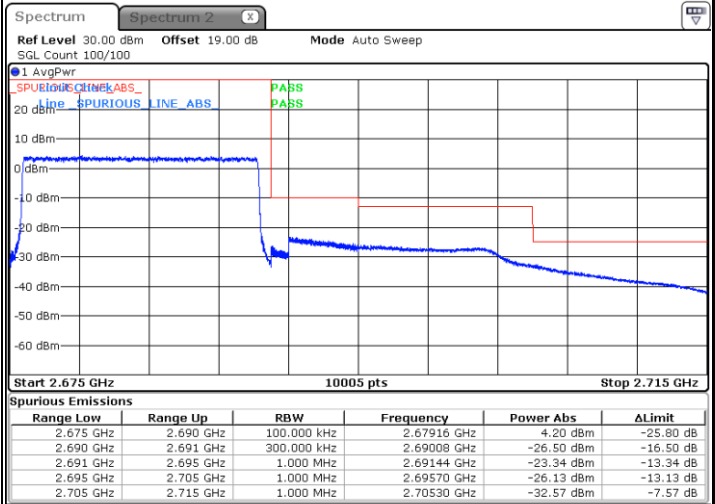
Date: 11.FEB.2025 16:28:07

Lowest Band Edge / Full RB



Date: 11.FEB.2025 16:23:22

Highest Band Edge / Full RB

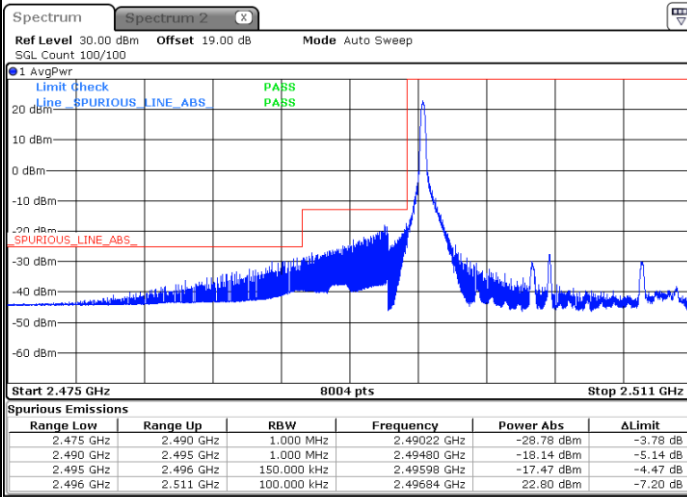


Date: 11.FEB.2025 16:32:52



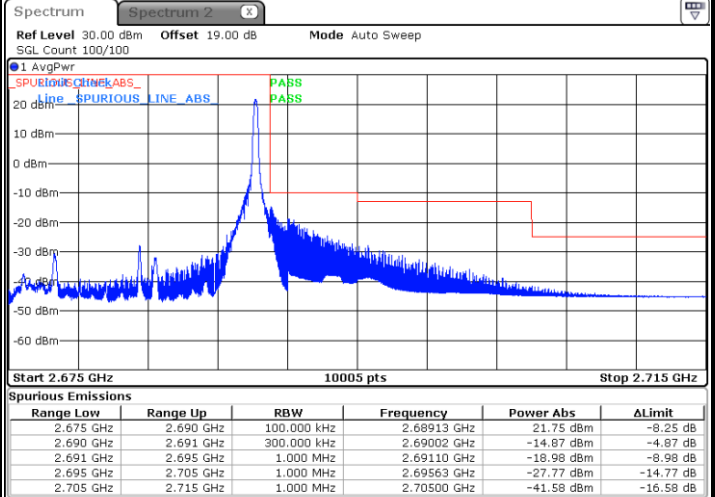
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1RB



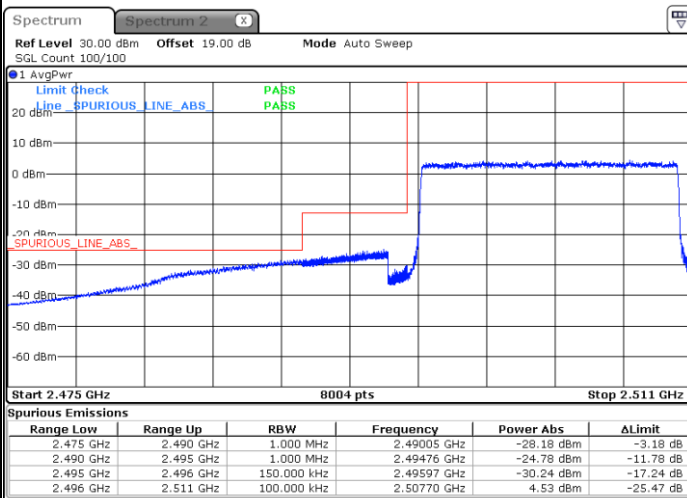
Date: 11.FEB.2025 16:19:34

Highest Band Edge / 1 RB



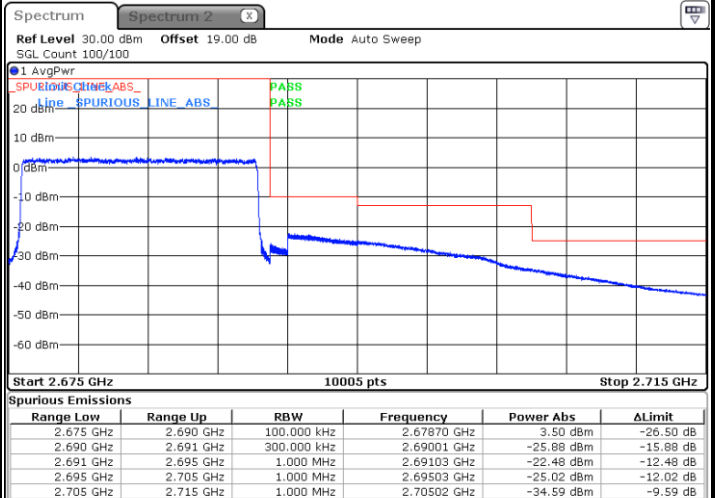
Date: 11.FEB.2025 16:29:04

Lowest Band Edge / Full RB



Date: 11.FEB.2025 16:22:25

Highest Band Edge / Full RB

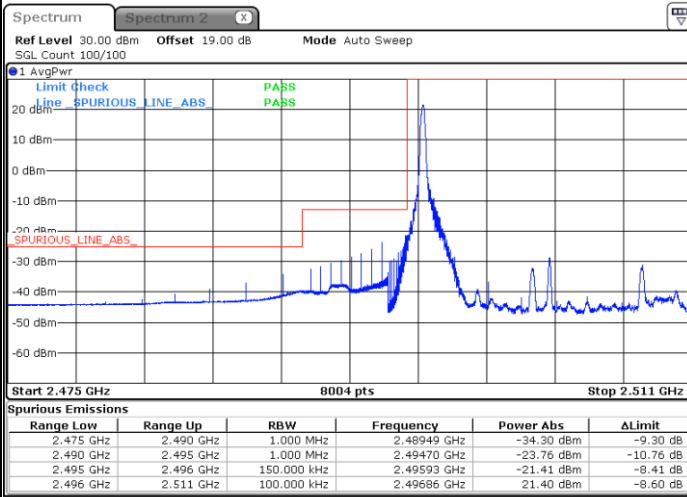


Date: 11.FEB.2025 16:31:55



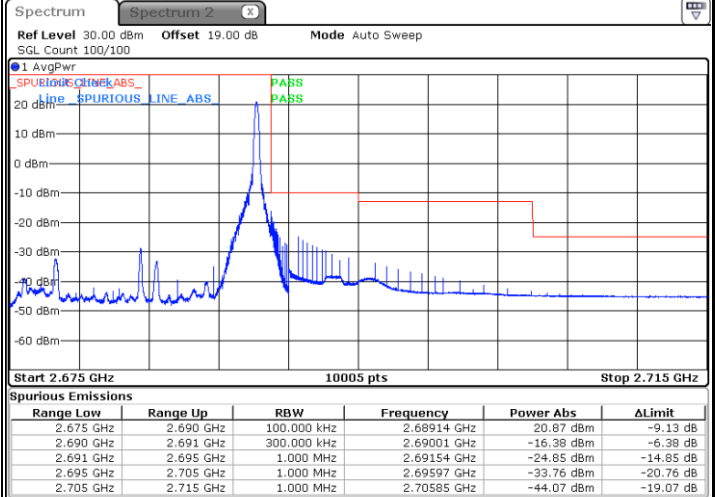
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1RB



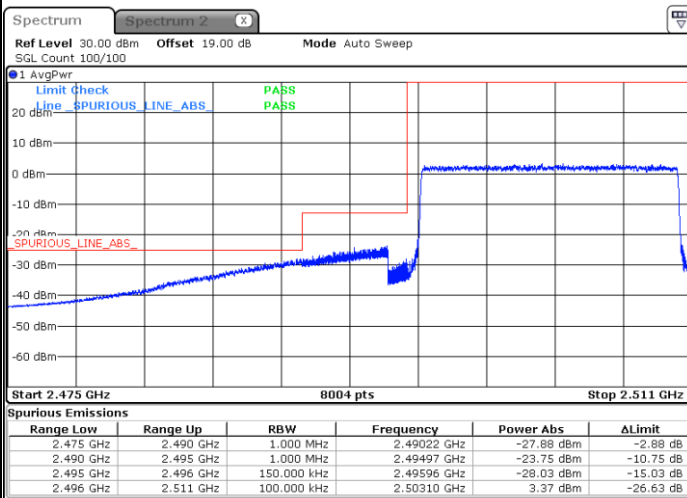
Date: 11.FEB.2025 16:20:31

Highest Band Edge / 1 RB



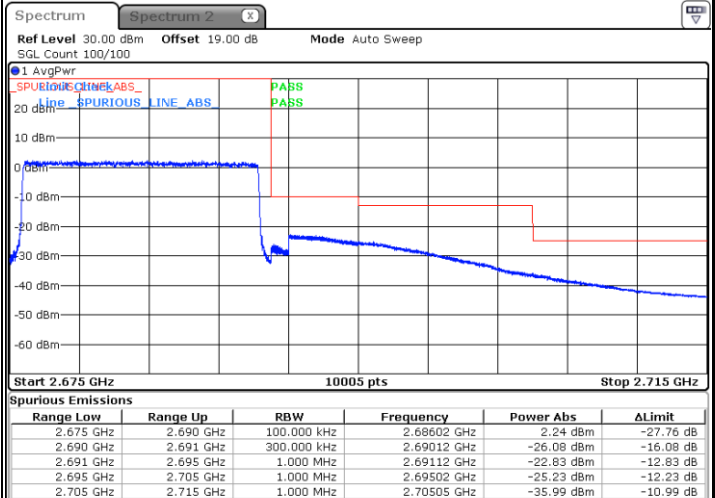
Date: 11.FEB.2025 16:30:00

Lowest Band Edge / Full RB



Date: 11.FEB.2025 16:21:28

Highest Band Edge / Full RB

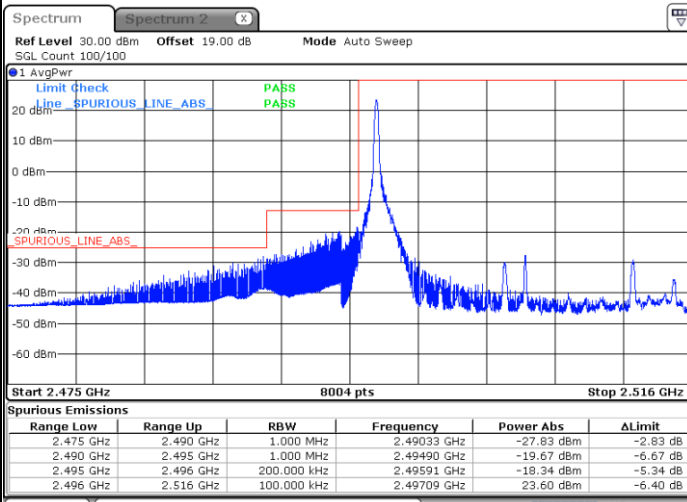


Date: 11.FEB.2025 16:30:57



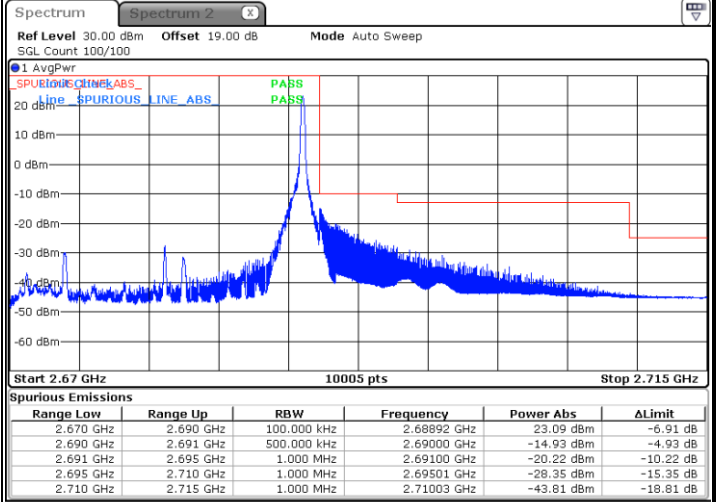
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



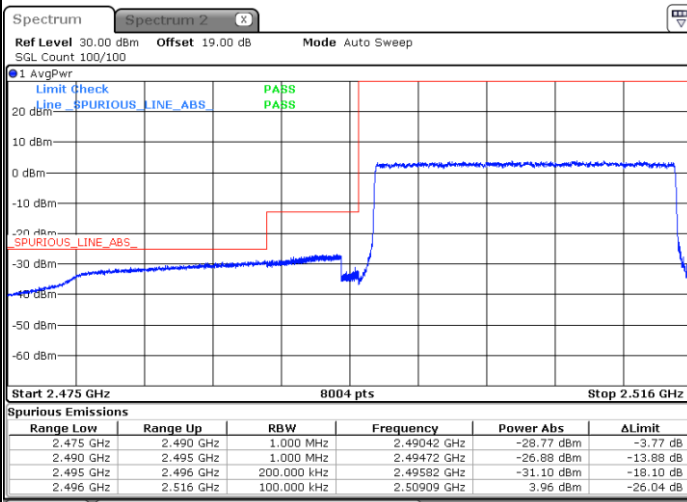
Date: 11.FEB.2025 16:35:47

Highest Band Edge / 1 RB



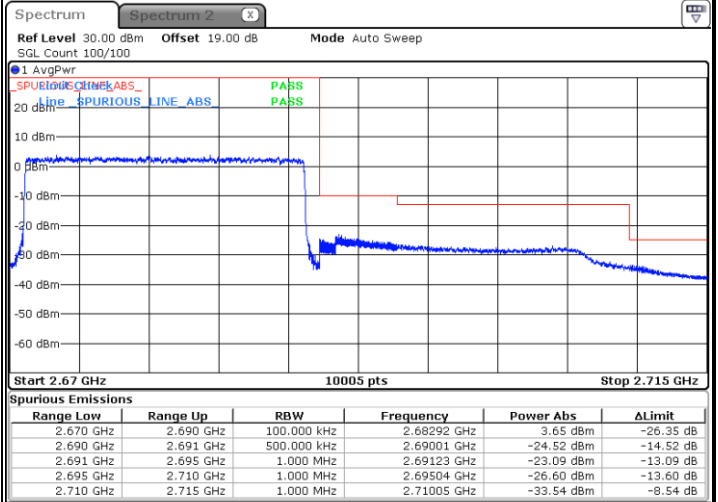
Date: 11.FEB.2025 16:46:37

Lowest Band Edge / Full RB



Date: 11.FEB.2025 16:40:32

Highest Band Edge / Full RB

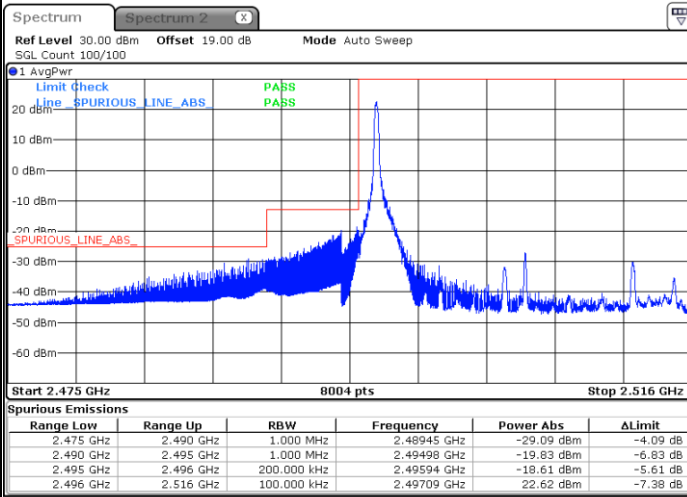


Date: 11.FEB.2025 16:51:20



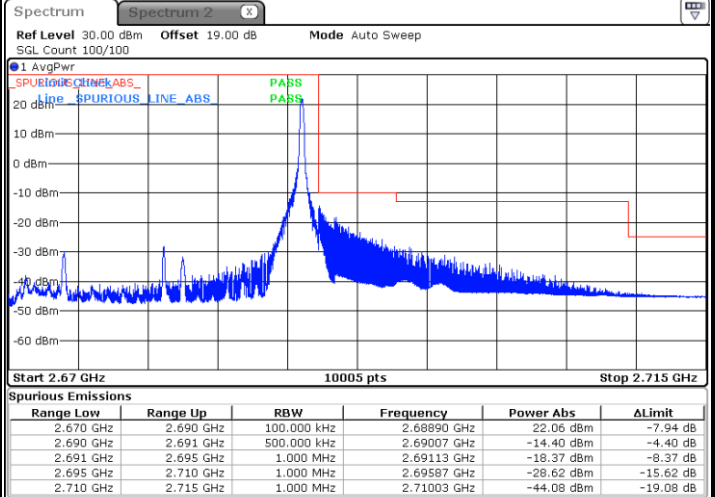
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1RB



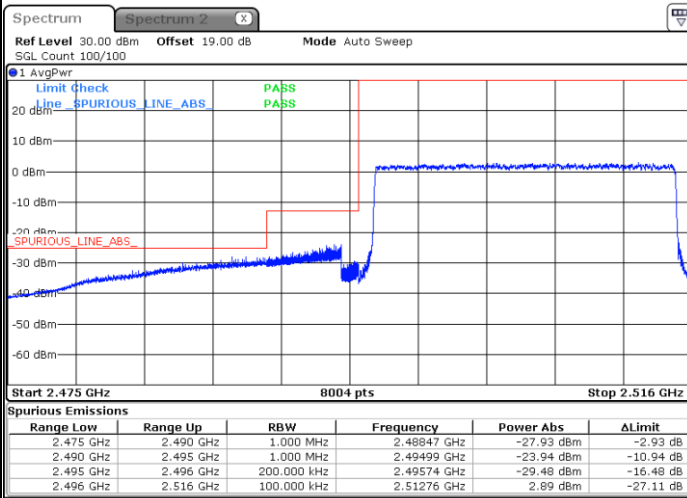
Date: 11.FEB.2025 16:36:44

Highest Band Edge / 1 RB



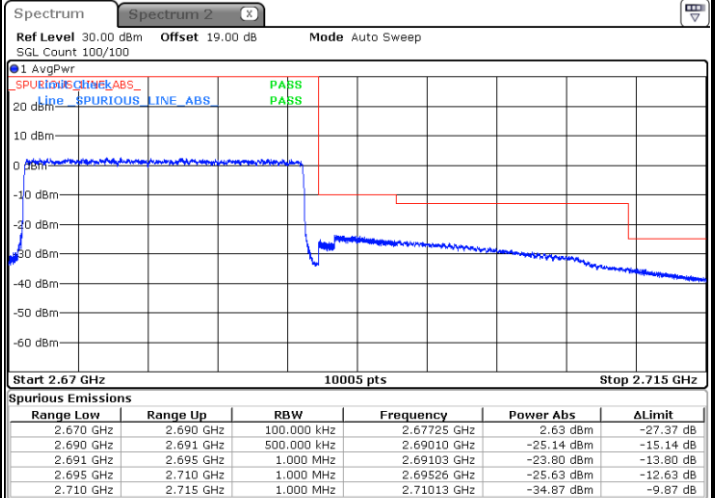
Date: 11.FEB.2025 16:47:34

Lowest Band Edge / Full RB



Date: 11.FEB.2025 16:39:35

Highest Band Edge / Full RB

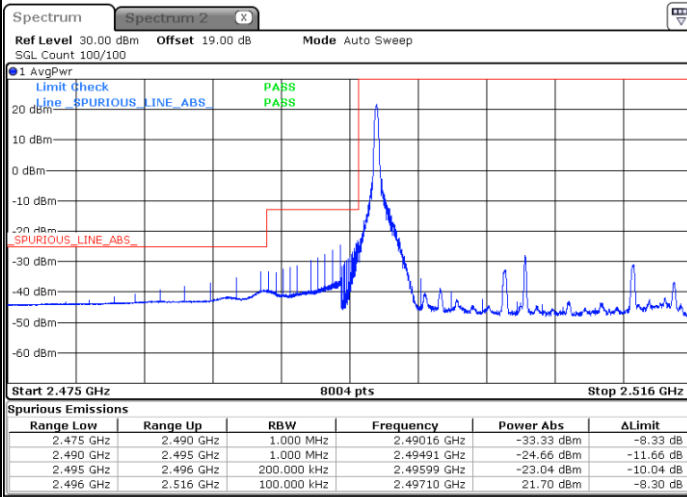


Date: 11.FEB.2025 16:50:24



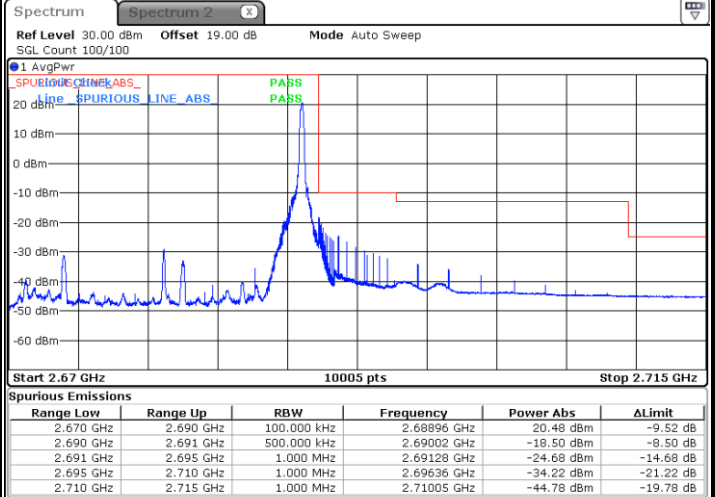
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1RB



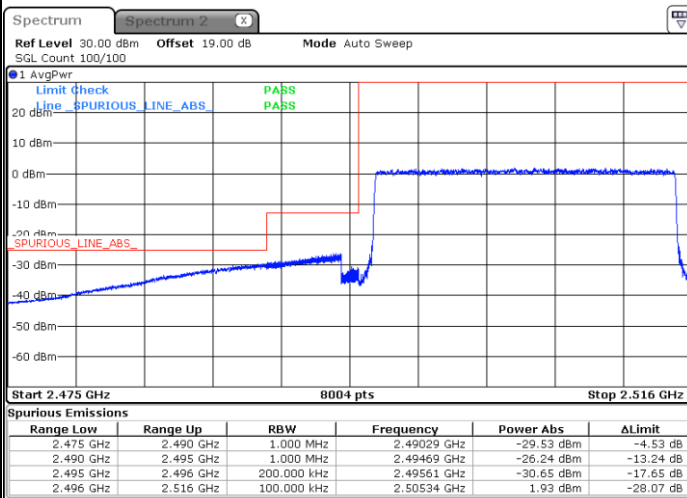
Date: 11.FEB.2025 16:37:41

Highest Band Edge / 1 RB



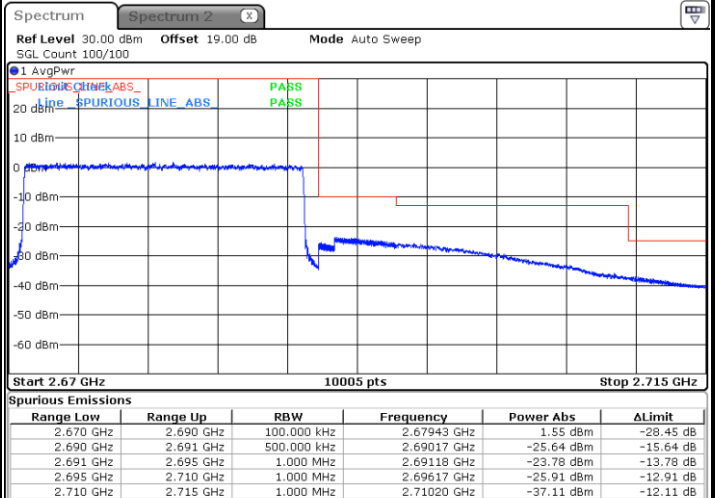
Date: 11.FEB.2025 16:48:31

Lowest Band Edge / Full RB



Date: 11.FEB.2025 16:38:38

Highest Band Edge / Full RB



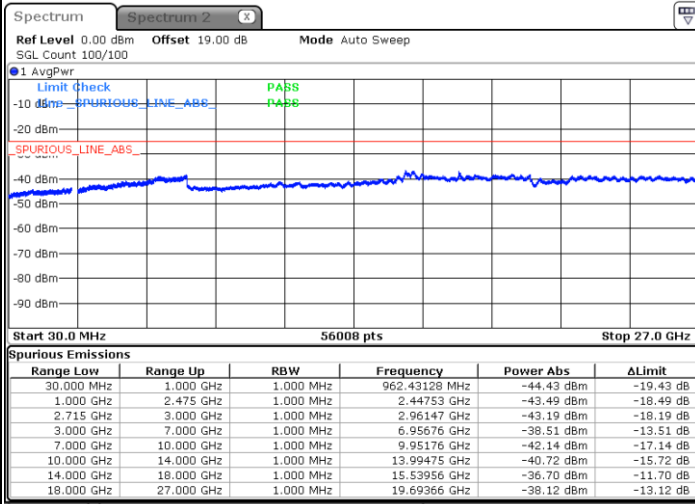
Date: 11.FEB.2025 16:49:27



Conducted Spurious Emission

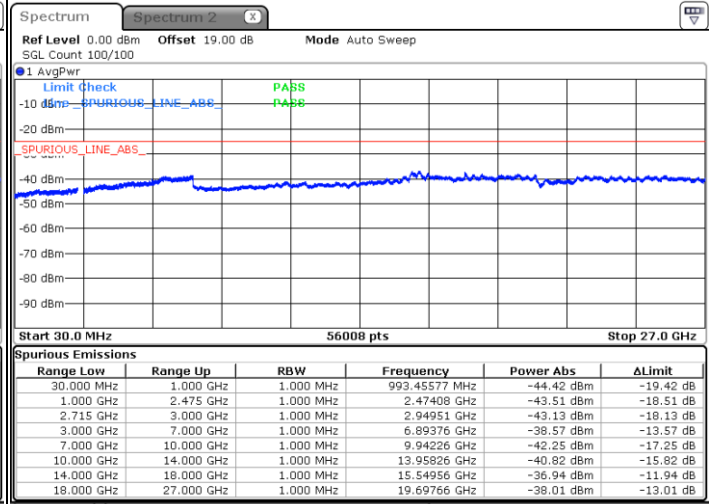
LTE Band 41 / 5MHz

Lowest Channel / QPSK



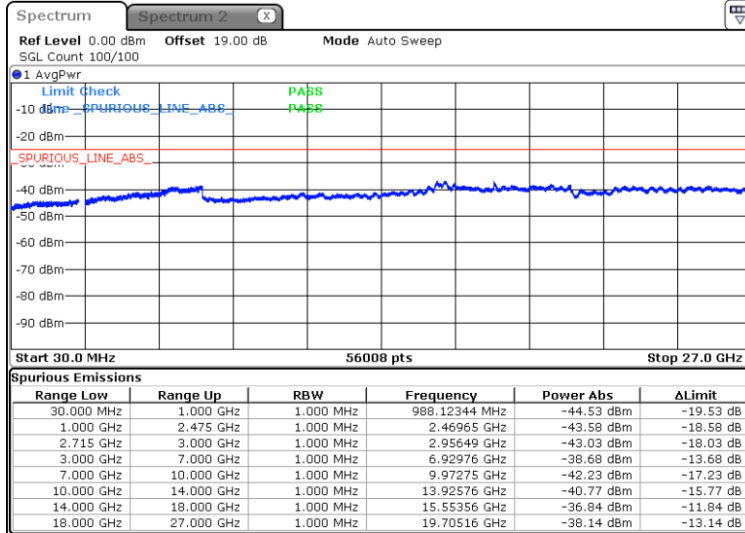
Date: 11.FEB.2025 15:18:01

Middle Channel / QPSK



Date: 11.FEB.2025 15:19:16

Highest Channel / QPSK



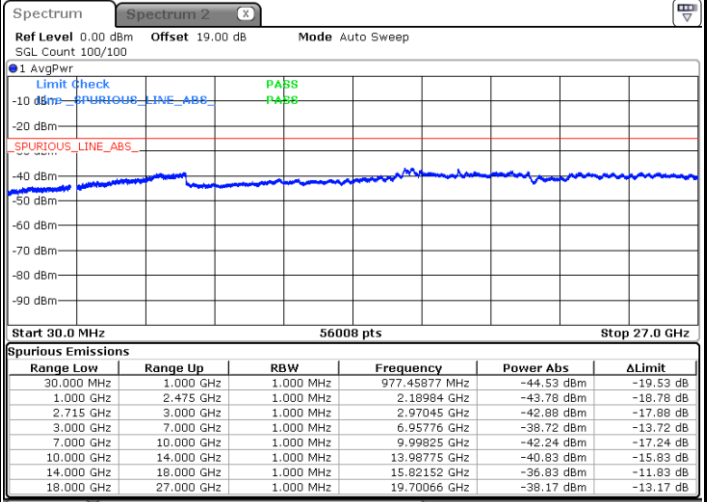
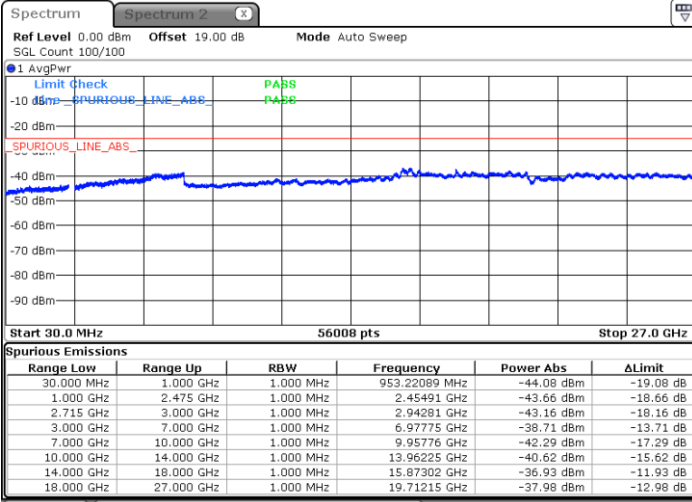
Date: 11.FEB.2025 15:28:32



LTE Band 41 / 10MHz

Lowest Channel / QPSK

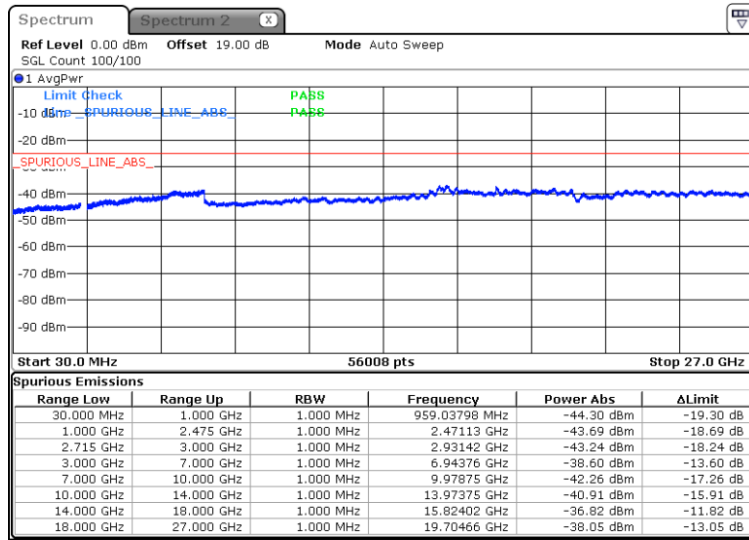
Middle Channel / QPSK



Date: 11.FEB.2025 15:36:13

Date: 11.FEB.2025 15:37:28

Highest Channel / QPSK

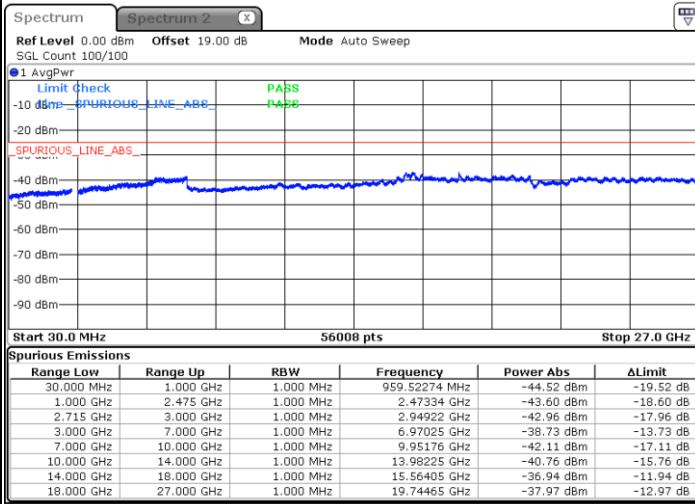


Date: 11.FEB.2025 16:16:27



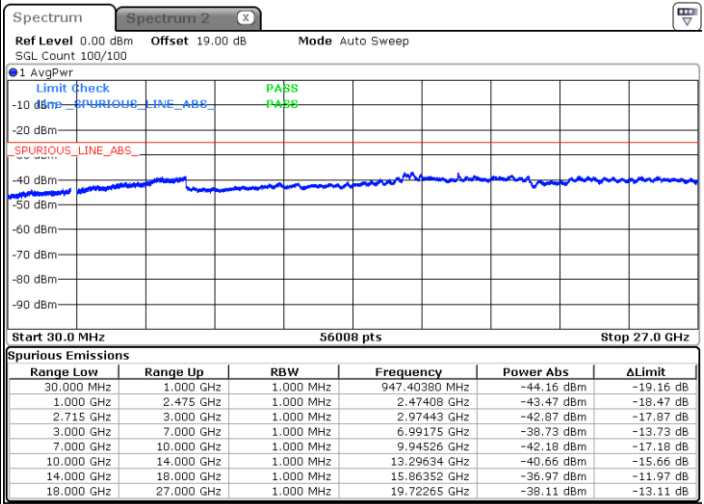
LTE Band 41 / 15MHz

Lowest Channel / QPSK



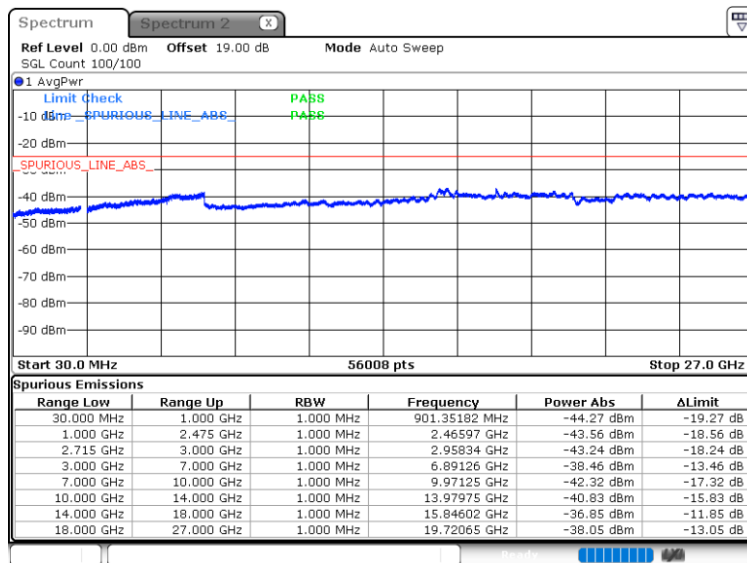
Date: 11.FEB.2025 16:24:40

Middle Channel / QPSK



Date: 11.FEB.2025 16:25:54

Highest Channel / QPSK



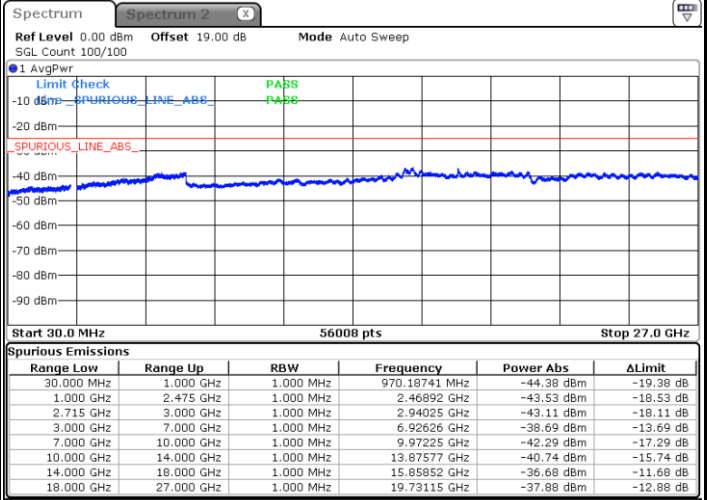
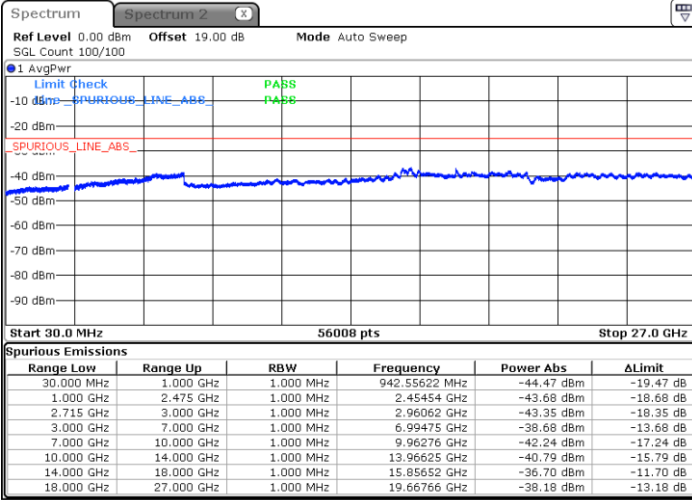
Date: 11.FEB.2025 16:34:10



LTE Band 41 / 20MHz

Lowest Channel / QPSK

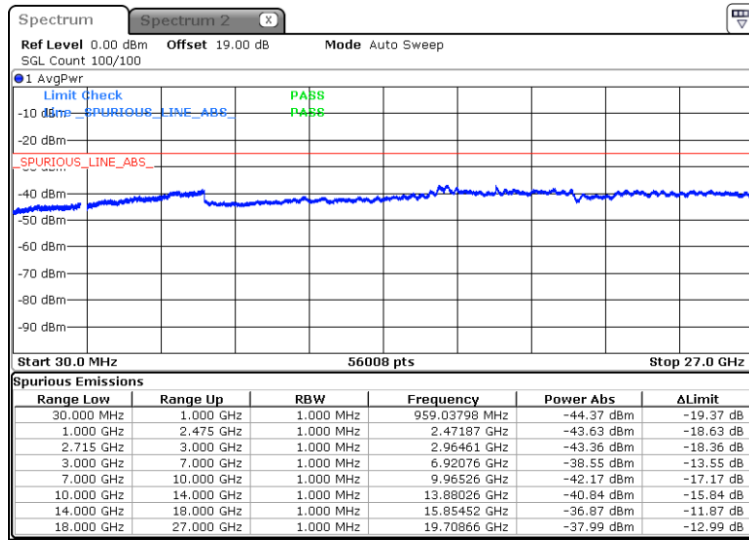
Middle Channel / QPSK



Date: 11.FEB.2025 16:41:50

Date: 11.FEB.2025 16:43:04

Highest Channel / QPSK



Date: 11.FEB.2025 16:52:38



Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	Note 2.
		Frequency Offset (Δf) (Hz)	Result
50	Normal Voltage	2.5	PASS
40	Normal Voltage	-3.2	
30	Normal Voltage	4	
20(Ref.)	Normal Voltage	3.3	
10	Normal Voltage	1.3	
0	Normal Voltage	3.4	
-10	Normal Voltage	1.6	
-20	Normal Voltage	1.8	
-30	Normal Voltage	2.4	
20	Maximum Voltage	2.6	
20	Normal Voltage	3.3	
20	Battery End Point	2.2	

Note:

1. Normal Voltage = 3.91 V.; Battery End Point (BEP) = 3.6 V.; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

$|\text{MAX}(\Delta f)| = 4\text{Hz}$

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	2496.252196	$\geq 2496 \text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	2689.757704	$\leq 2690 \text{ MHz}$	



LTE Band 41C (Main PA)

26dB Bandwidth

Mode	LTE Band 41C : 26dB BW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.98	25.28	29.91	25.23	30.57
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.90	24.93	29.91	34.97	39.96

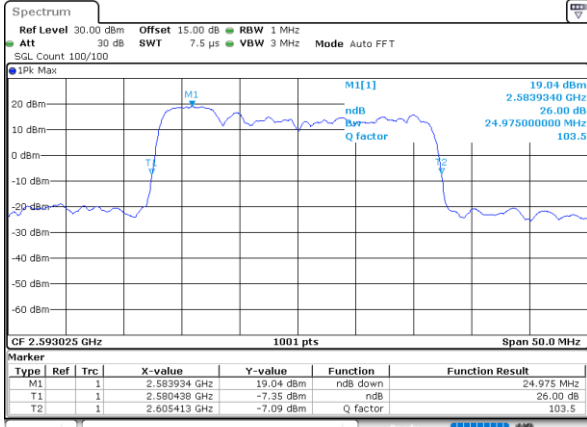
Mode	LTE Band 41C : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.88	25.23	29.97	25.38	30.69
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.97	24.93	30.03	34.90	39.88



LTE Band 41C

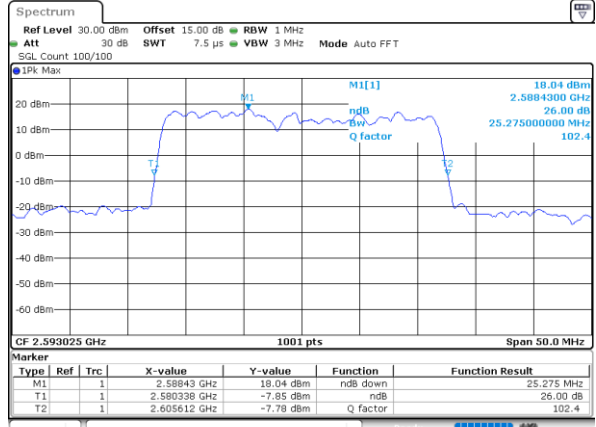
QPSK

Middle Channel / 5MHz+20MHz



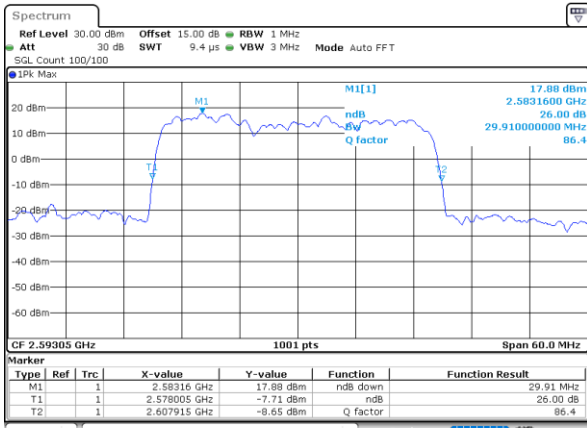
Date: 20_JAN_2025 02:13:14

Middle Channel / 10MHz+15MHz



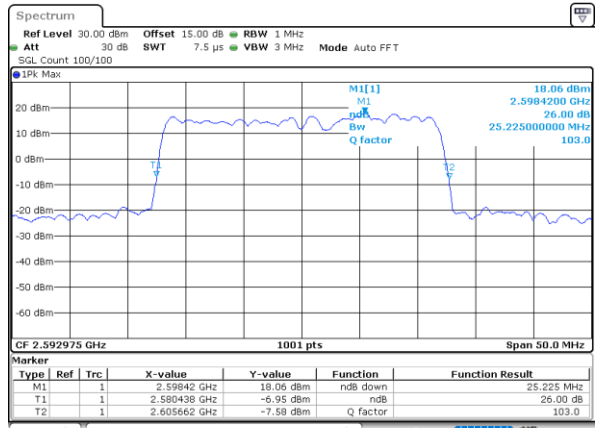
Date: 20_JAN_2025 03:25:27

Middle Channel / 10MHz+20MHz



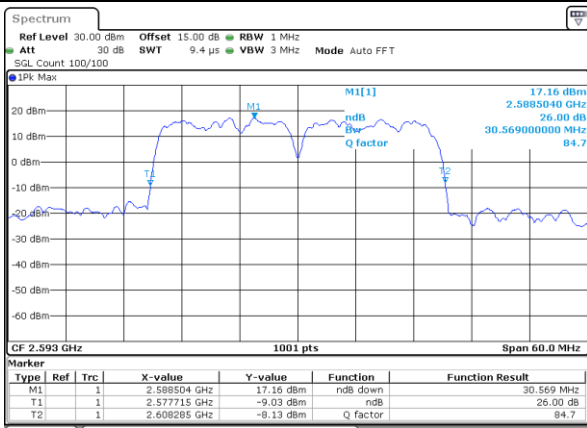
Date: 20_JAN_2025 04:14:12

Middle Channel / 15MHz+10MHz



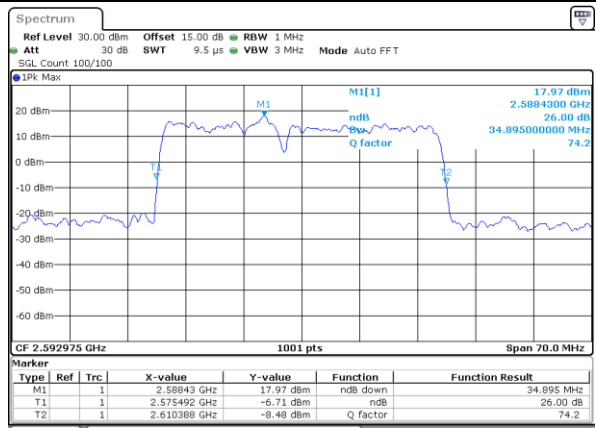
Date: 20_JAN_2025 03:49:49

Middle Channel / 15MHz+15MHz



Date: 20_JAN_2025 05:02:33

Middle Channel / 15MHz+20MHz



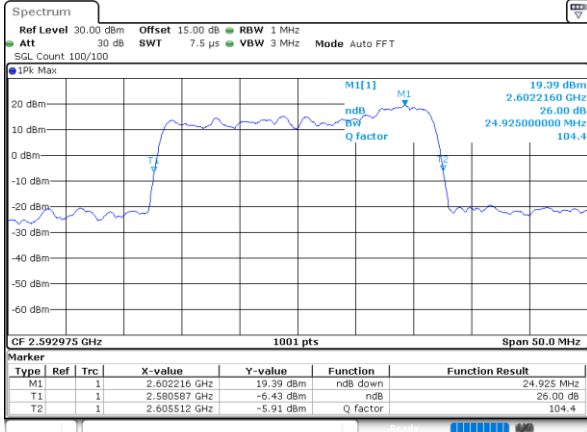
Date: 20_JAN_2025 05:12:03



LTE Band 41C

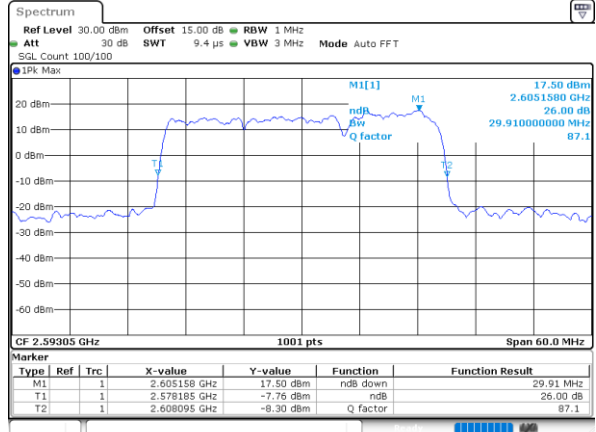
QPSK

Middle Channel / 20MHz+5MHz



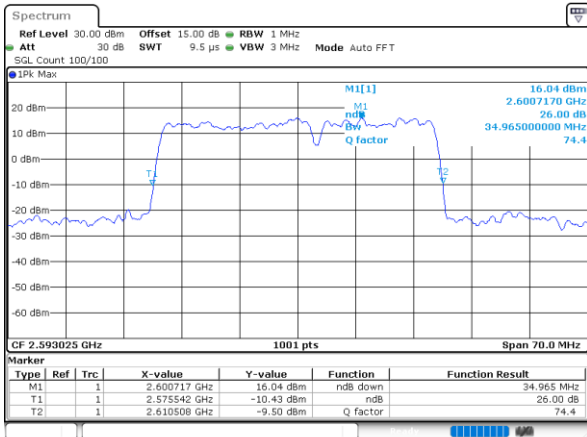
Date: 20_JAN_2025 03:00:59

Middle Channel / 20MHz+10MHz



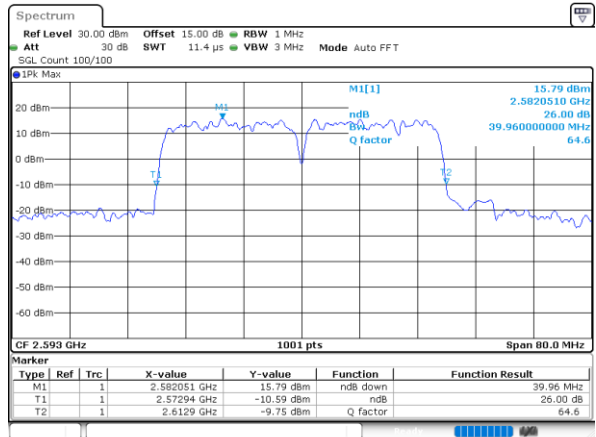
Date: 20_JAN_2025 04:38:22

Middle Channel / 20MHz+15MHz



Date: 20_JAN_2025 05:50:35

Middle Channel / 20MHz+20MHz



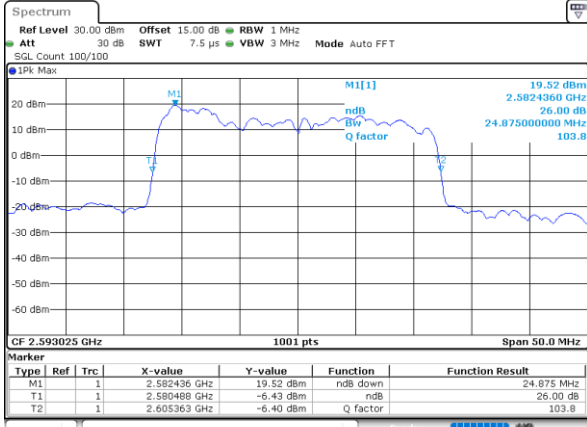
Date: 20_JAN_2025 06:14:52



LTE Band 41C

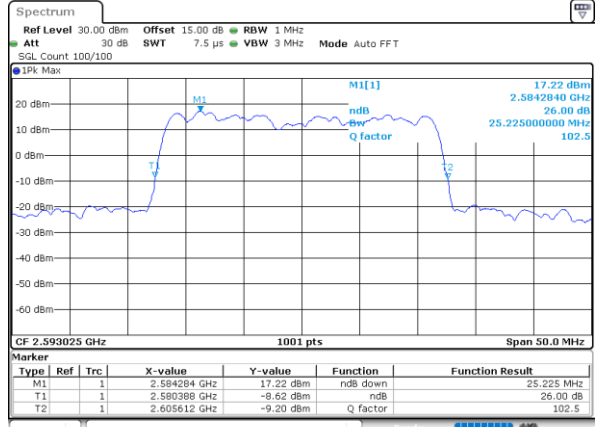
16QAM

Middle Channel / 5MHz+20MHz



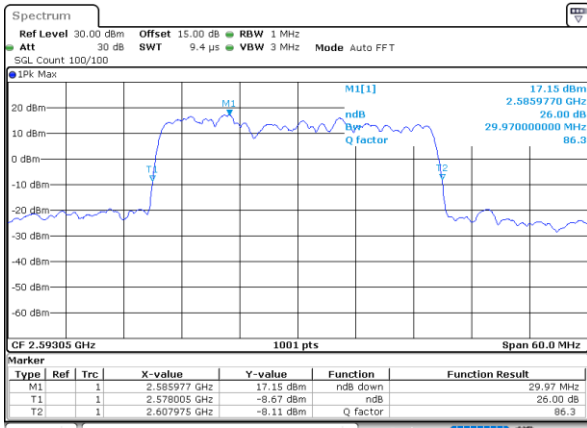
Date: 20_JAN_2025 02:37:05

Middle Channel / 10MHz+15MHz



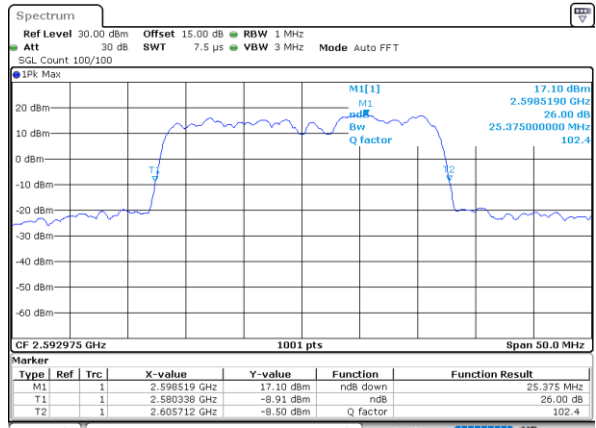
Date: 20_JAN_2025 03:25:57

Middle Channel / 10MHz+20MHz



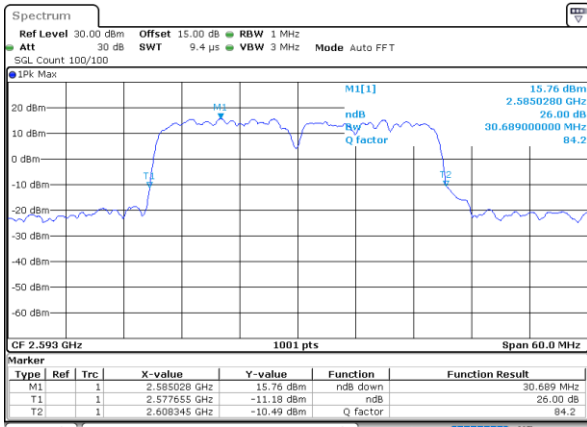
Date: 20_JAN_2025 04:14:41

Middle Channel / 15MHz+10MHz



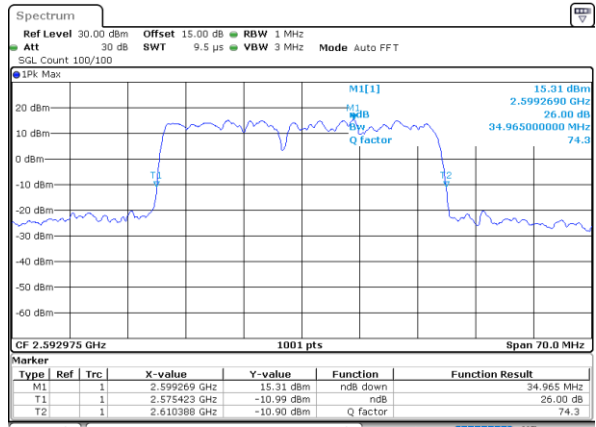
Date: 20_JAN_2025 03:50:18

Middle Channel / 15MHz+15MHz



Date: 20_JAN_2025 05:03:01

Middle Channel / 15MHz+20MHz



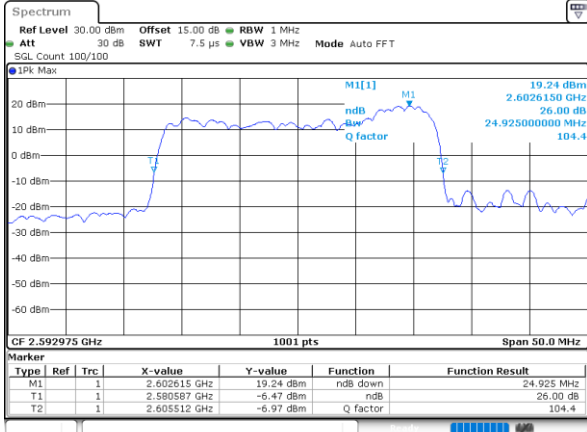
Date: 20_JAN_2025 05:12:32



LTE Band 41C

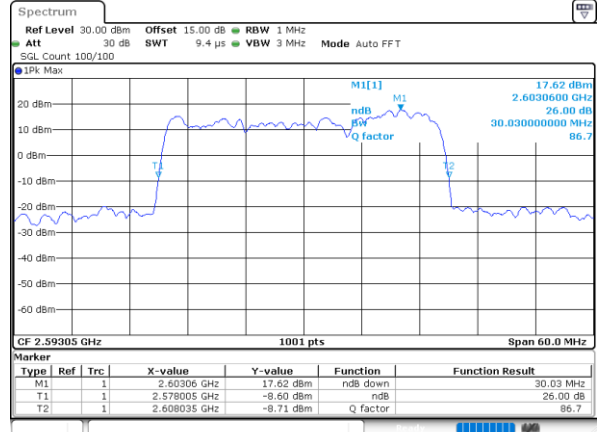
16QAM

Middle Channel / 20MHz+5MHz



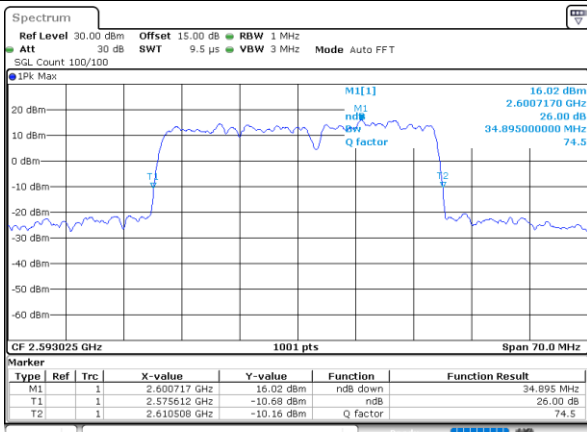
Date: 20_JAN_2025 03:01:28

Middle Channel / 20MHz+10MHz



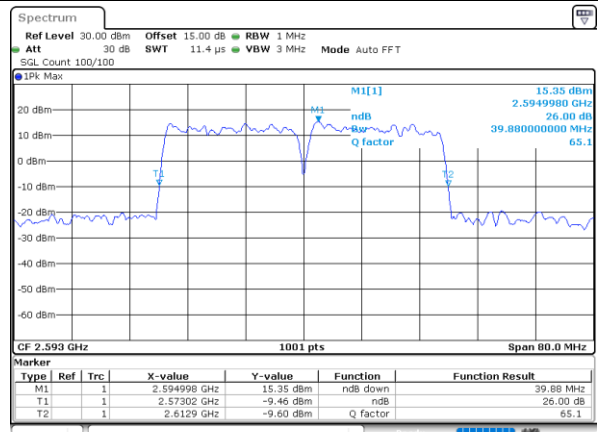
Date: 20_JAN_2025 04:38:51

Middle Channel / 20MHz+15MHz



Date: 20_JAN_2025 05:51:04

Middle Channel / 20MHz+20MHz



Date: 20_JAN_2025 06:15:19



Occupied Bandwidth

Mode	LTE Band 41C : 99%OBW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	23.28	23.38	27.99	23.48	28.71
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	32.87	23.28	28.17	32.87	37.48

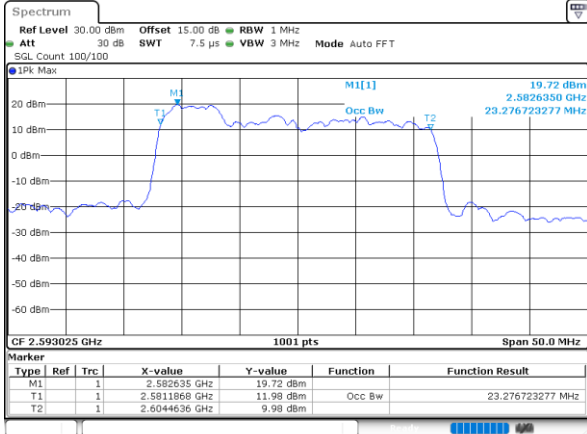
Mode	LTE Band 41C : 99%OBW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	23.28	23.38	27.99	23.38	28.77
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	32.73	23.28	27.99	32.94	37.64



LTE Band 41C

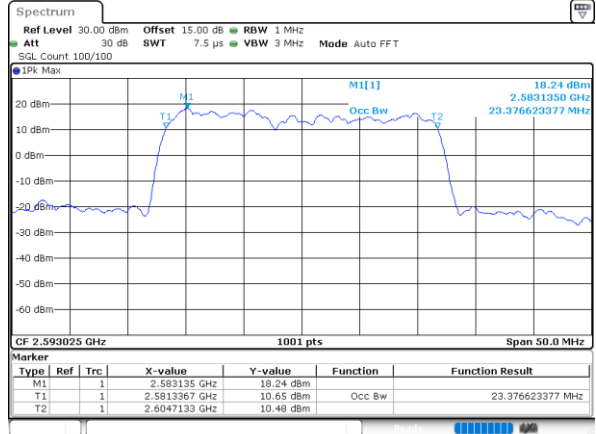
QPSK

Middle Channel / 5MHz+20MHz



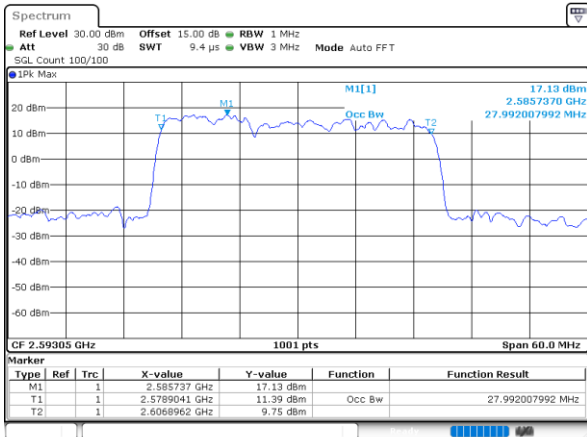
Date: 20_JAN_2025 02:16:05

Middle Channel / 10MHz+15MHz



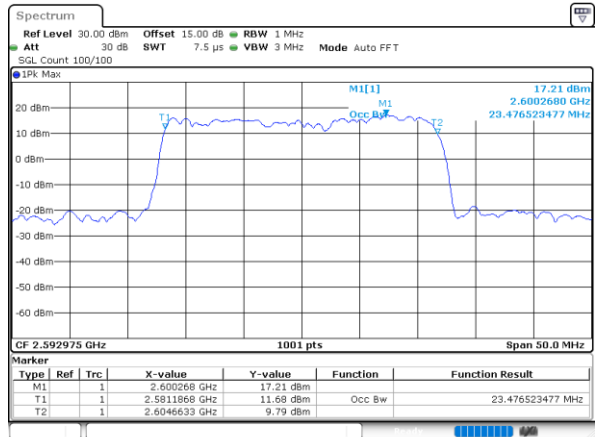
Date: 20_JAN_2025 03:24:58

Middle Channel / 10MHz+20MHz



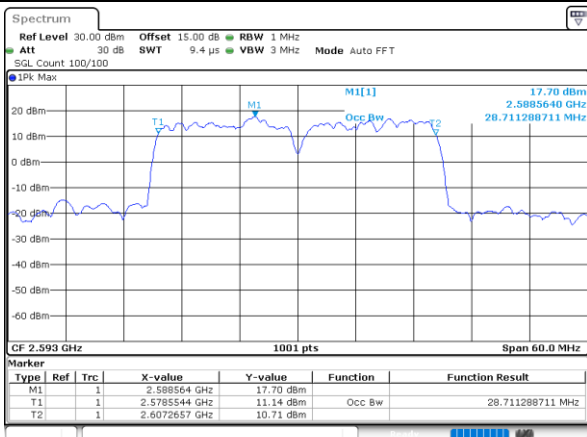
Date: 20_JAN_2025 04:13:42

Middle Channel / 15MHz+10MHz



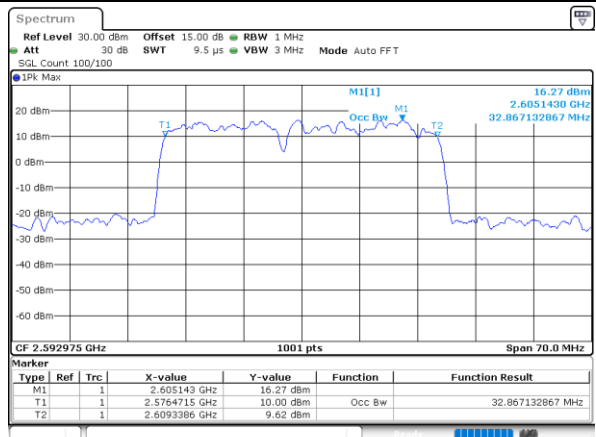
Date: 20_JAN_2025 03:49:19

Middle Channel / 15MHz+15MHz



Date: 20_JAN_2025 05:02:06

Middle Channel / 15MHz+20MHz



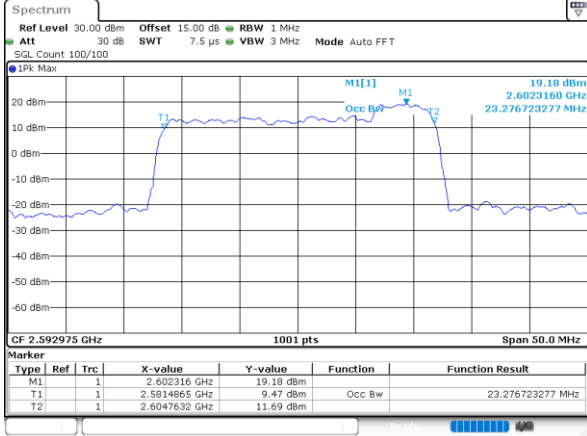
Date: 20_JAN_2025 05:25:33



LTE Band 41C

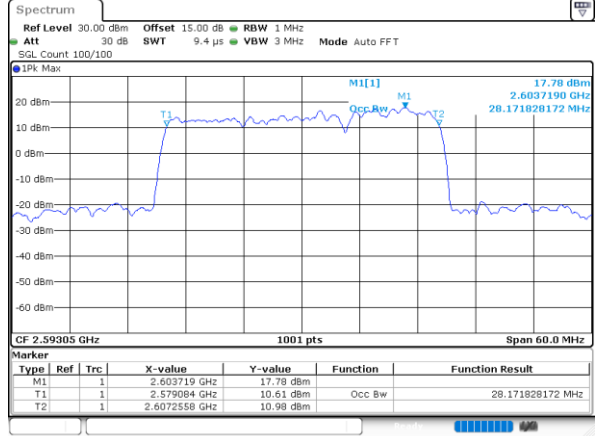
QPSK

Middle Channel / 20MHz+5MHz



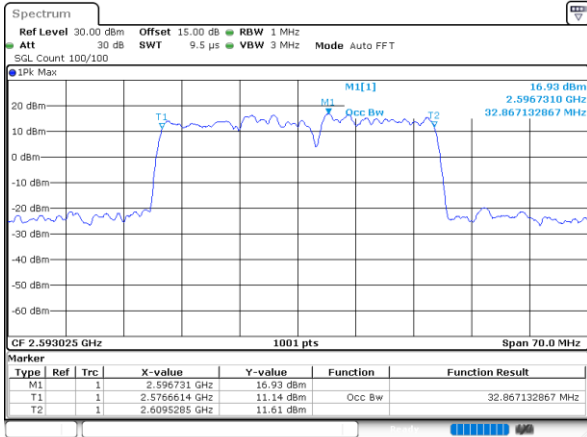
Date: 20.JAN.2025 03:00:29

Middle Channel / 20MHz+10MHz



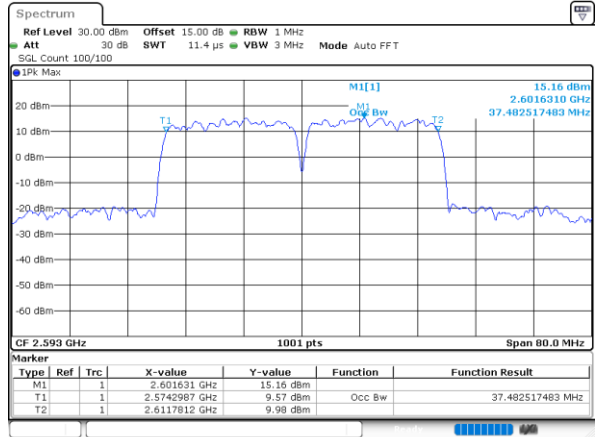
Date: 20.JAN.2025 04:37:52

Middle Channel / 20MHz+15MHz



Date: 20.JAN.2025 05:50:05

Middle Channel / 20MHz+20MHz



Date: 20.JAN.2025 06:14:24