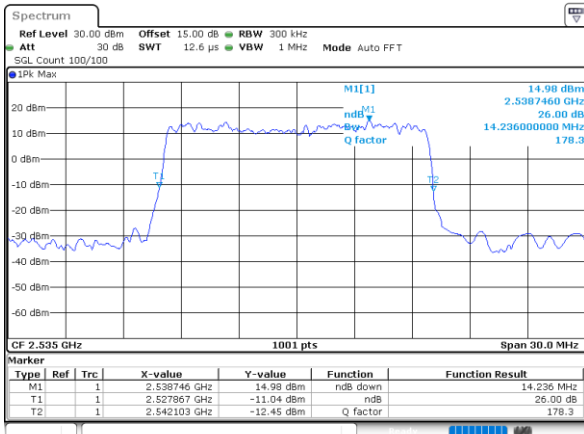


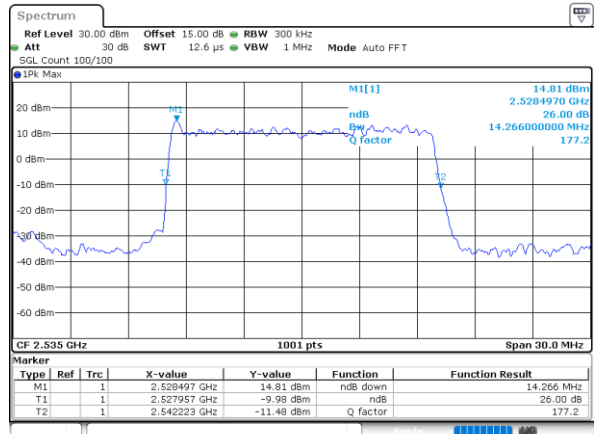


Middle Channel / 15MHz / QPSK



Date: 6.JAN.2025 16:55:24

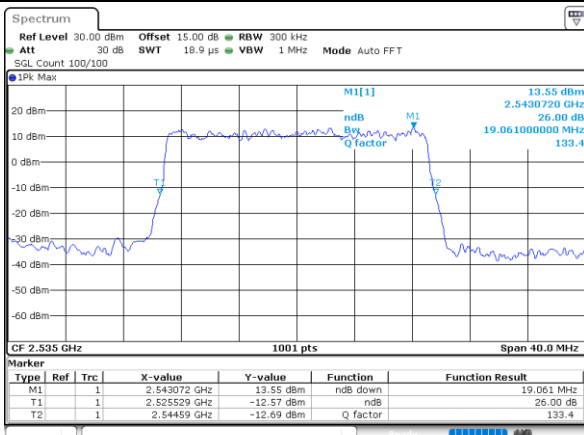
Middle Channel / 15MHz / 16QAM



Date: 6.JAN.2025 16:56:04

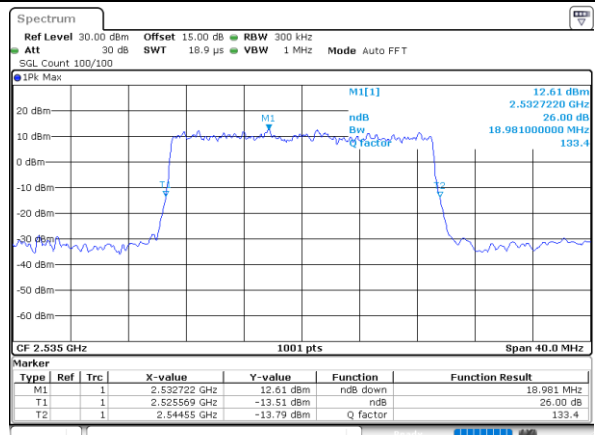
LTE Band 7

Middle Channel / 20MHz / QPSK



Date: 6.JAN.2025 17:07:54

Middle Channel / 20MHz / 16QAM



Date: 6.JAN.2025 17:08:34

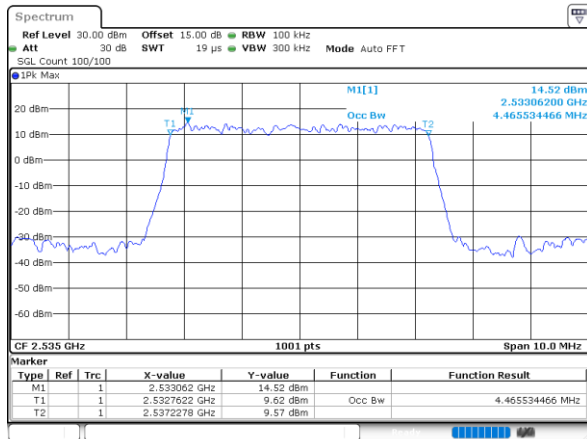


Occupied Bandwidth

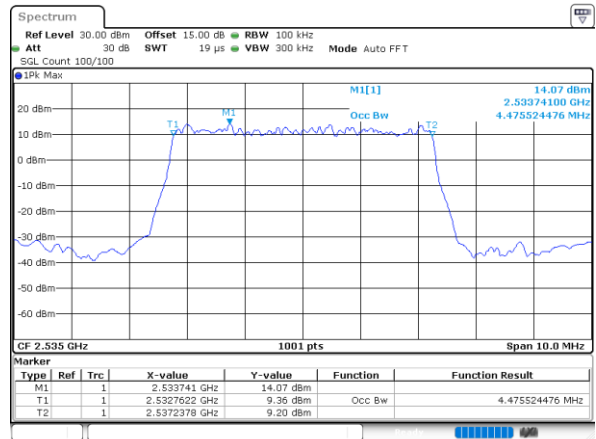
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.47	4.48	9.03	9.09	13.49	13.43	17.86	17.90

LTE Band 7

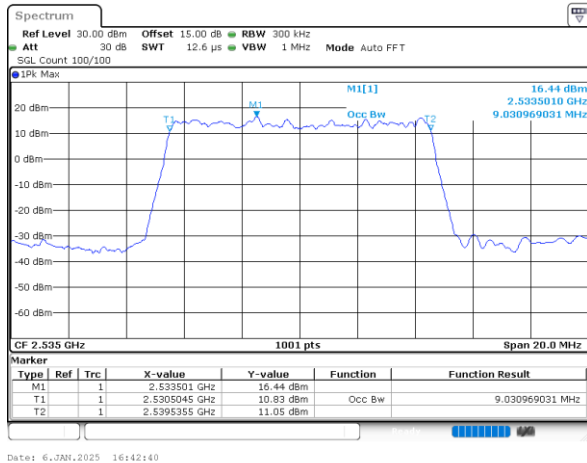
Middle Channel / 5MHz / QPSK



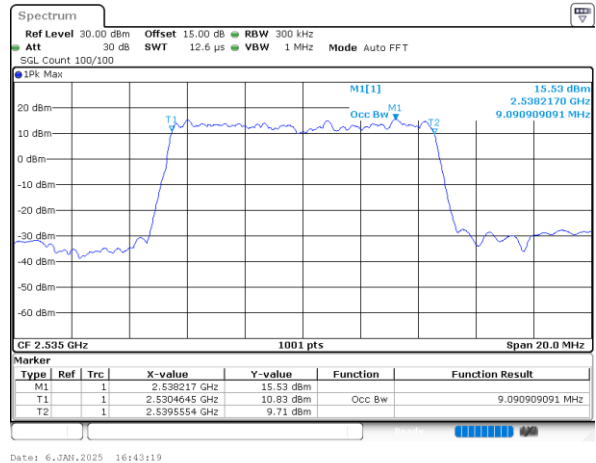
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK

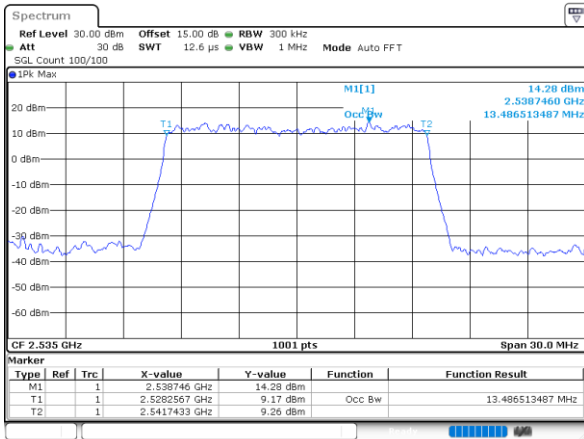


Middle Channel / 10MHz / 16QAM



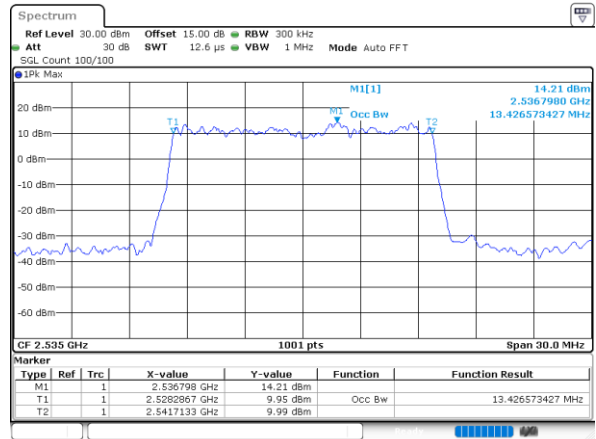


Middle Channel / 15MHz / QPSK



Date: 6.JAN.2025 16:55:10

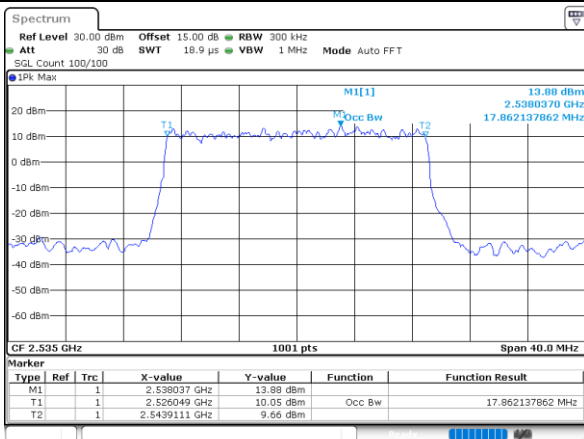
Middle Channel / 15MHz / 16QAM



Date: 6.JAN.2025 16:55:50

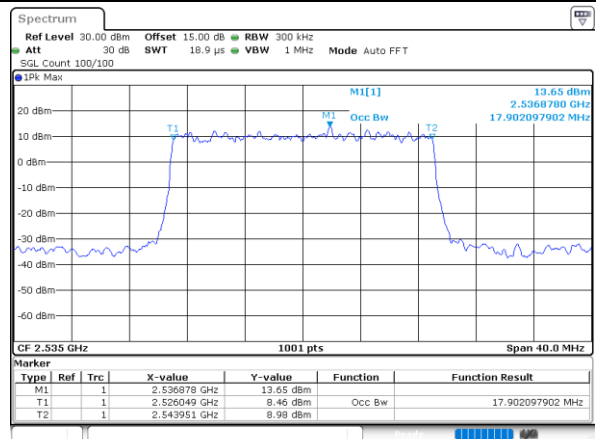
LTE Band 7

Middle Channel / 20MHz / QPSK



Date: 6.JAN.2025 17:07:40

Middle Channel / 20MHz / 16QAM



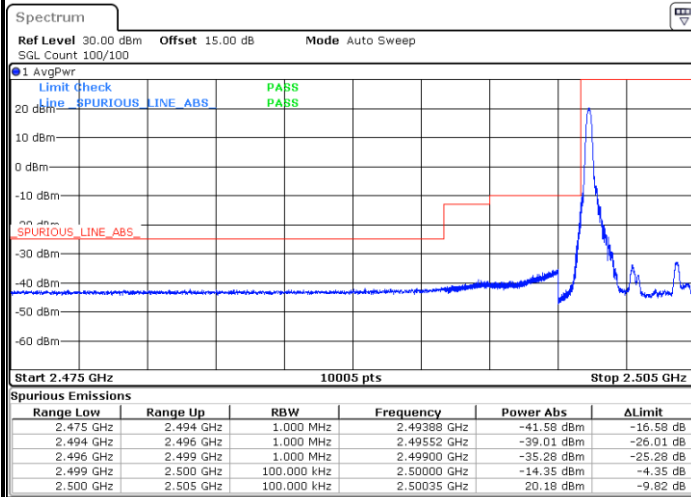
Date: 6.JAN.2025 17:08:20



Conducted Band Edge

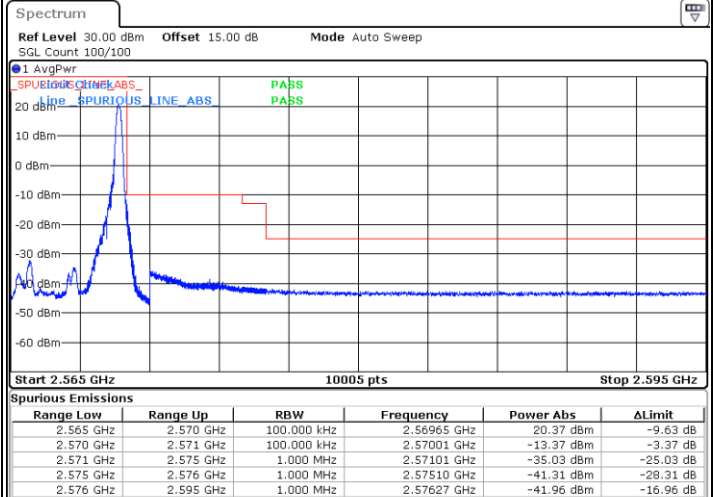
LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



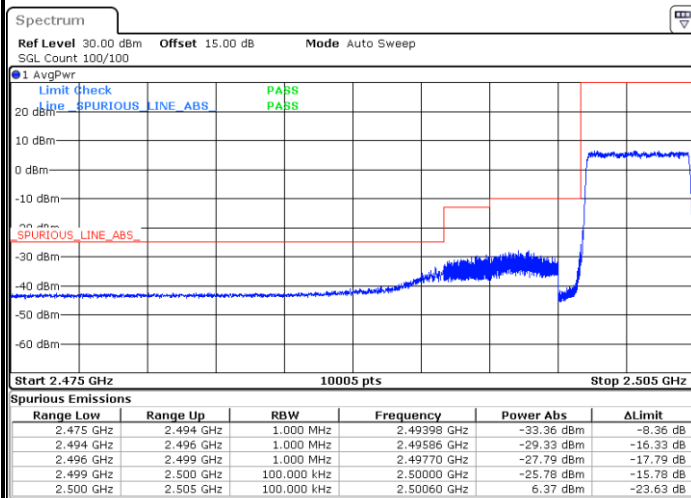
Date: 7.JAN.2025 00:31:23

Highest Band Edge / 1 RB



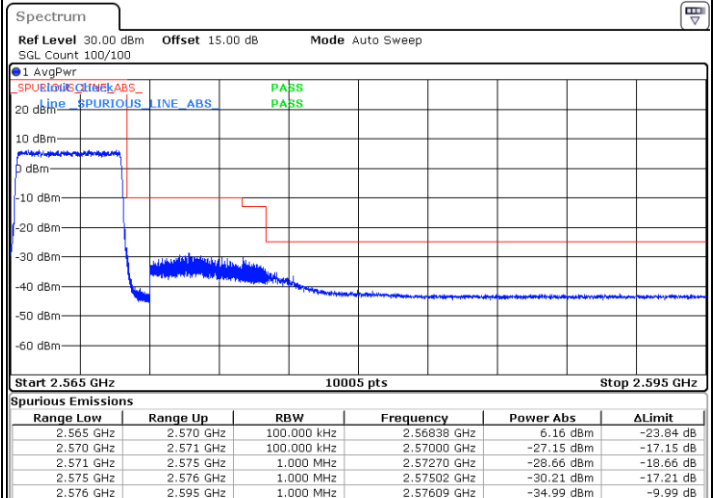
Date: 7.JAN.2025 00:39:17

Lowest Band Edge / Full RB



Date: 7.JAN.2025 00:33:36

Highest Band Edge / Full RB

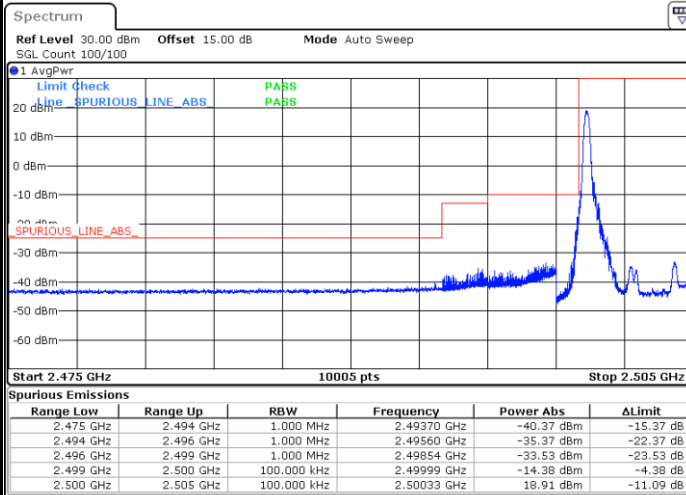


Date: 6.JAN.2025 16:33:23



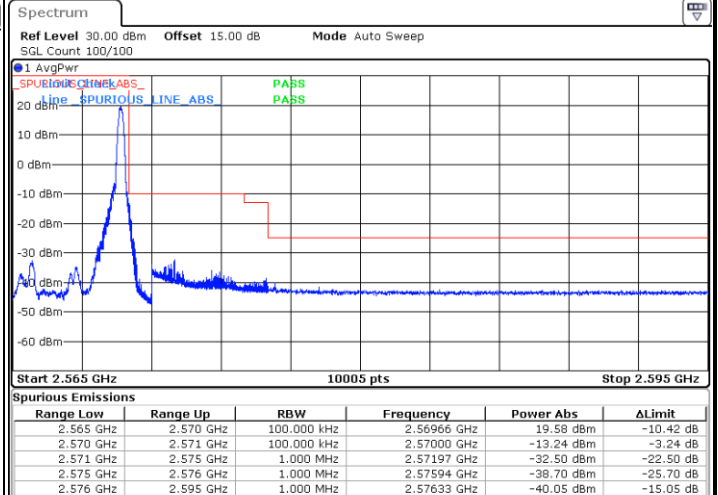
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



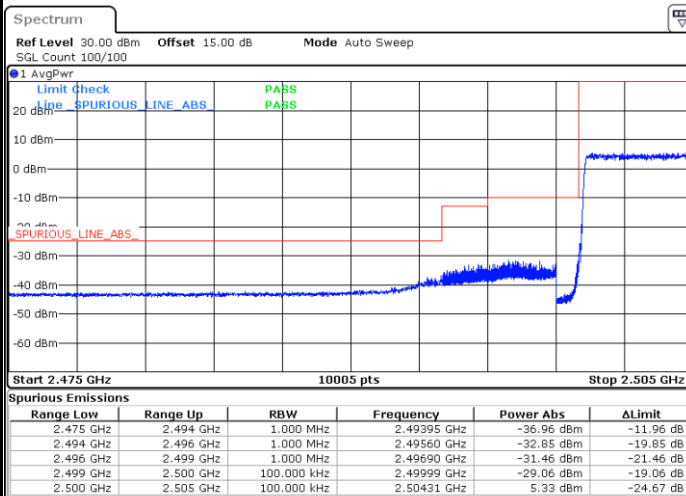
Date: 7.JAN.2025 00:32:07

Highest Band Edge / 1 RB



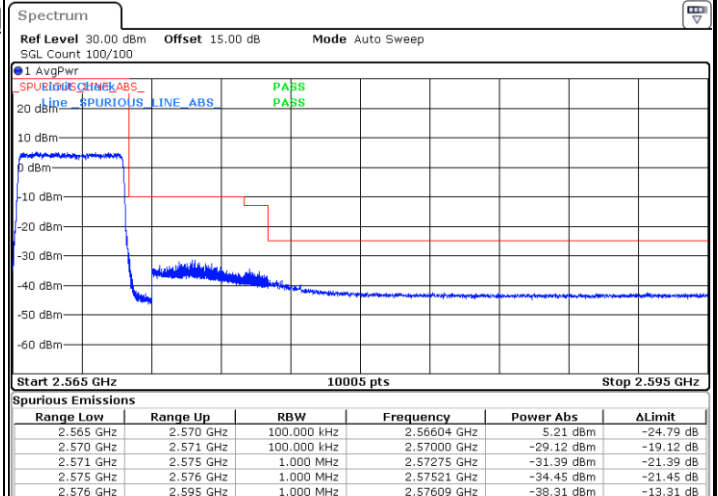
Date: 7.JAN.2025 00:40:01

Lowest Band Edge / Full RB



Date: 7.JAN.2025 00:34:21

Highest Band Edge / Full RB

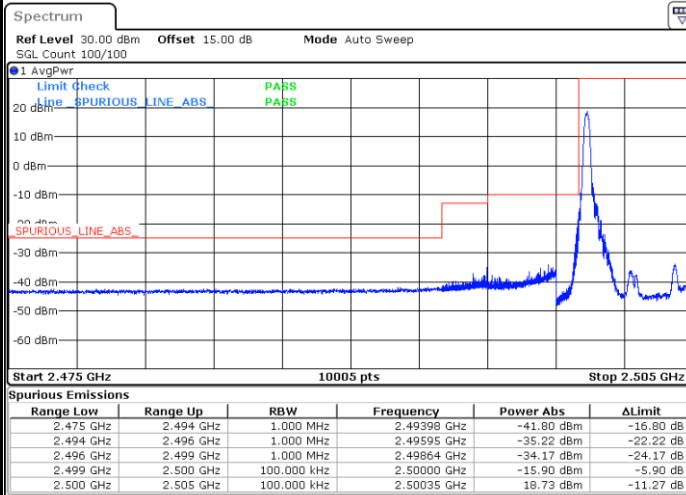


Date: 6.JAN.2025 16:34:04



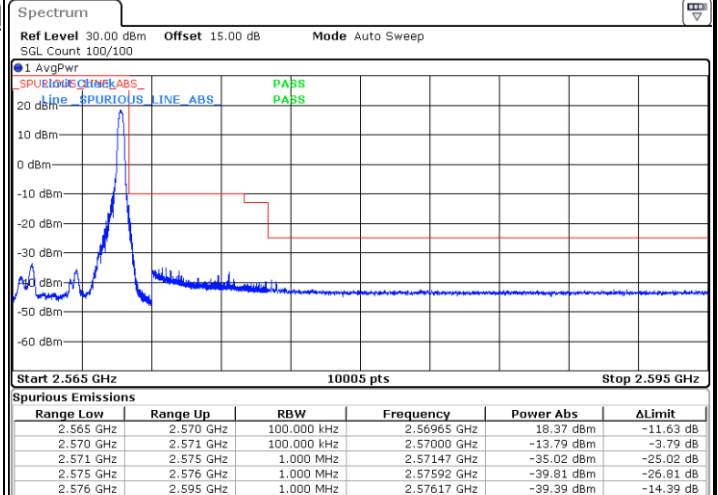
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



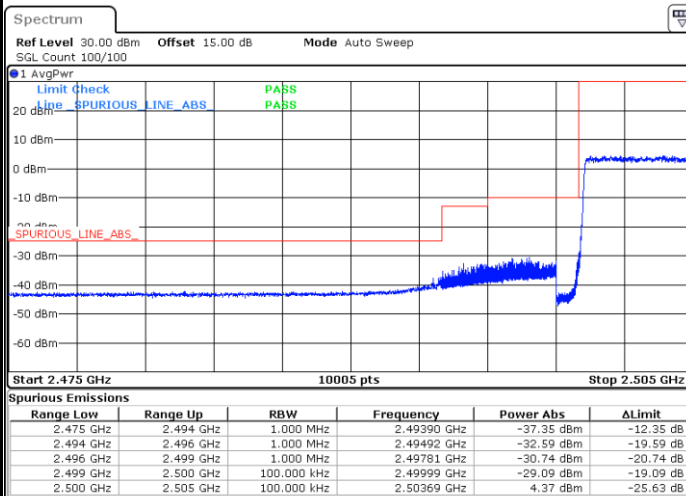
Date: 7.JAN.2025 00:32:52

Highest Band Edge / 1 RB



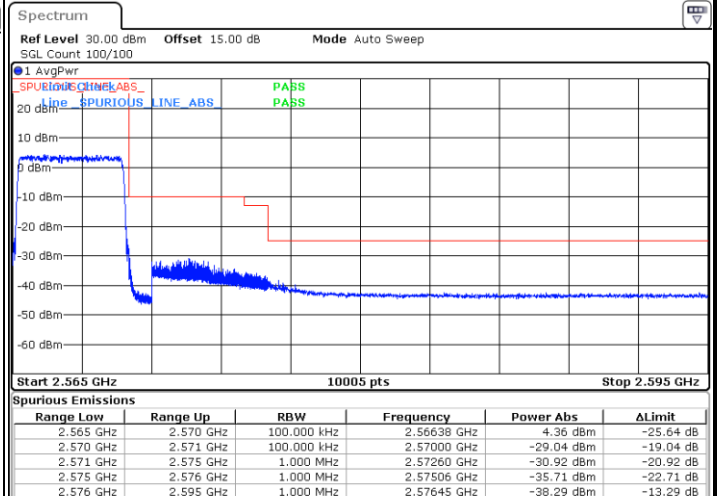
Date: 7.JAN.2025 00:40:45

Lowest Band Edge / Full RB



Date: 7.JAN.2025 00:35:06

Highest Band Edge / Full RB

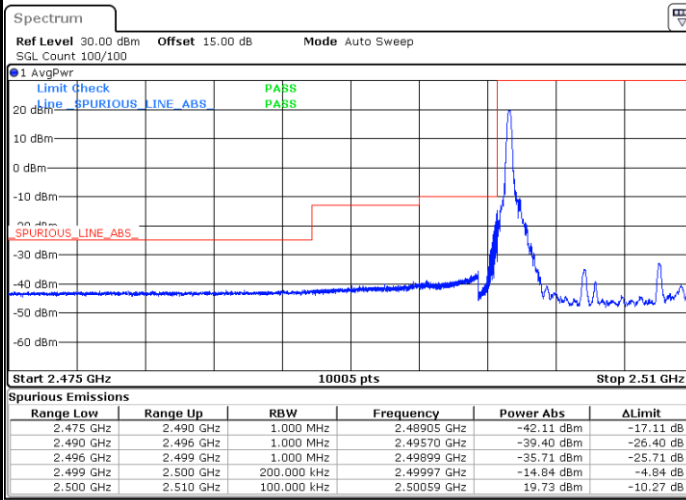


Date: 6.JAN.2025 16:34:40

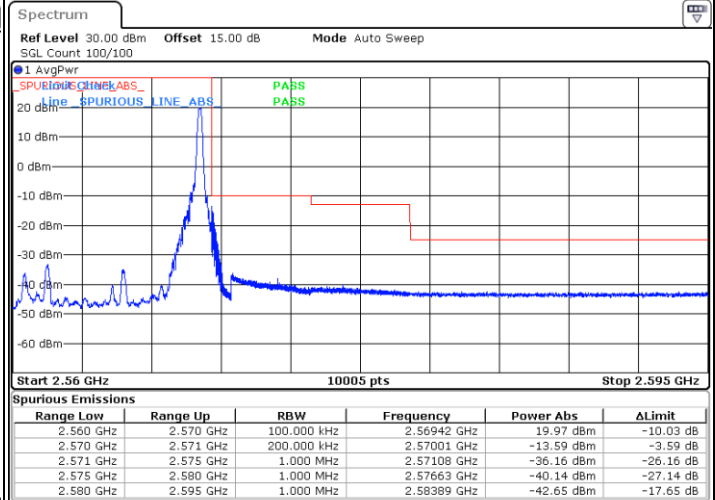


LTE Band 7 / 10MHz / QPSK

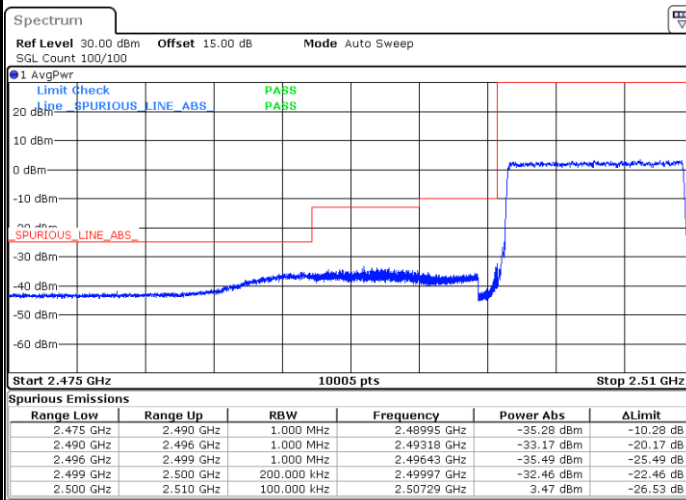
Lowest Band Edge / 1 RB



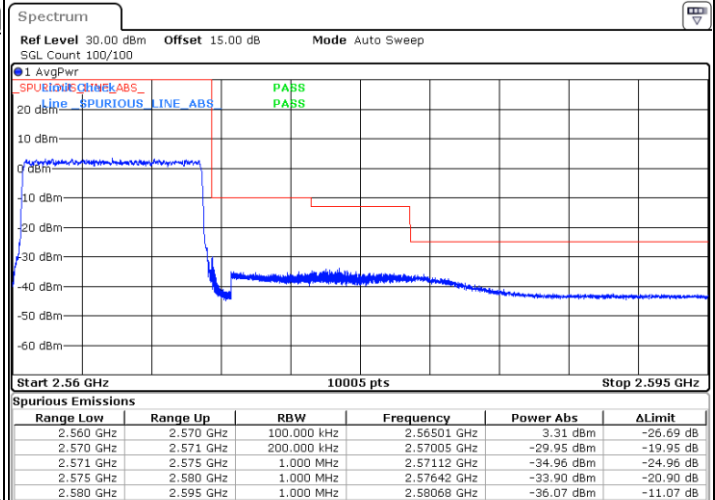
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



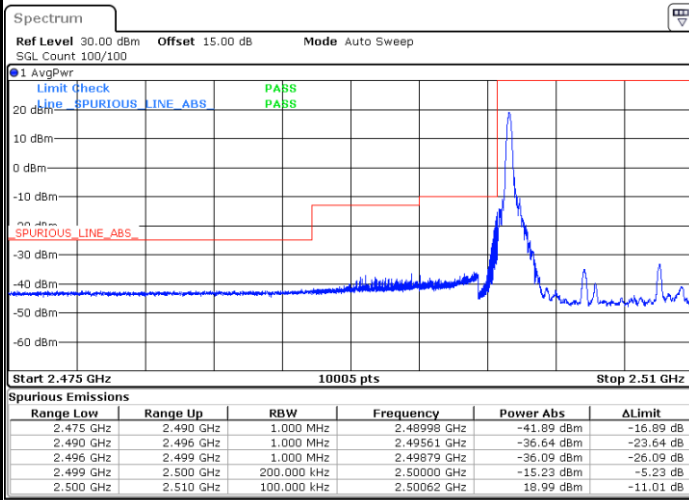
Highest Band Edge / Full RB



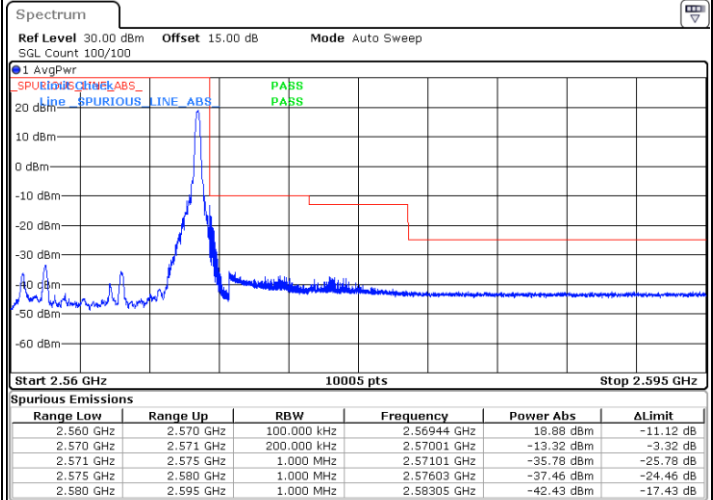


LTE Band 7 / 10MHz / 16QAM

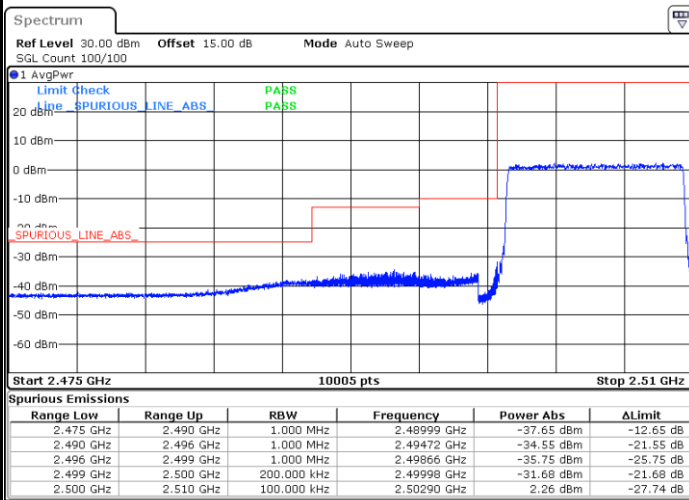
Lowest Band Edge / 1RB



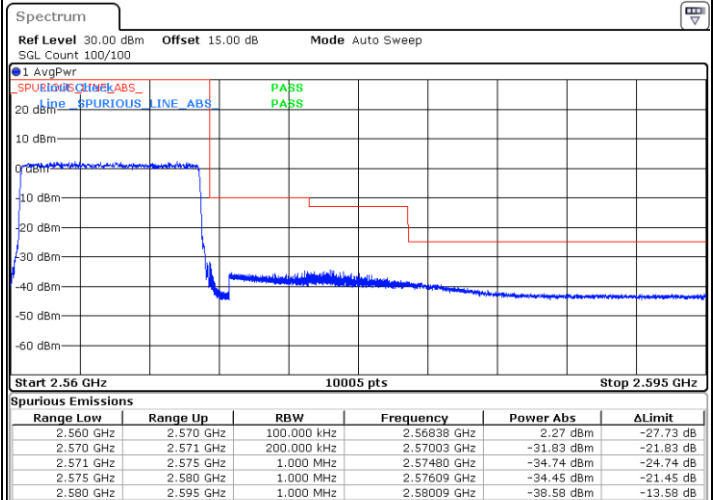
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



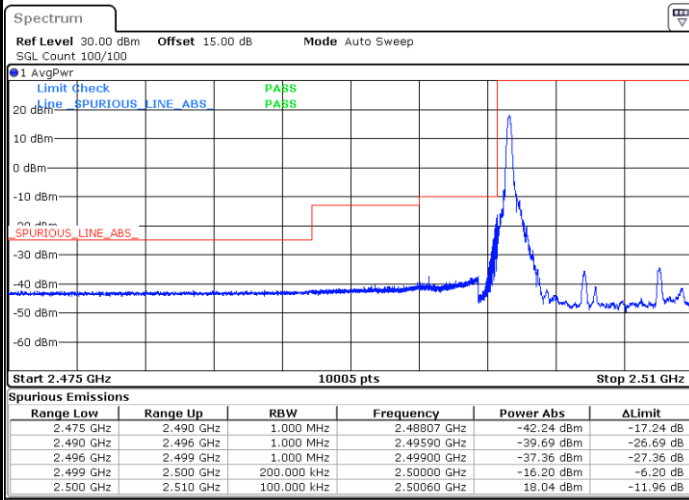
Highest Band Edge / Full RB



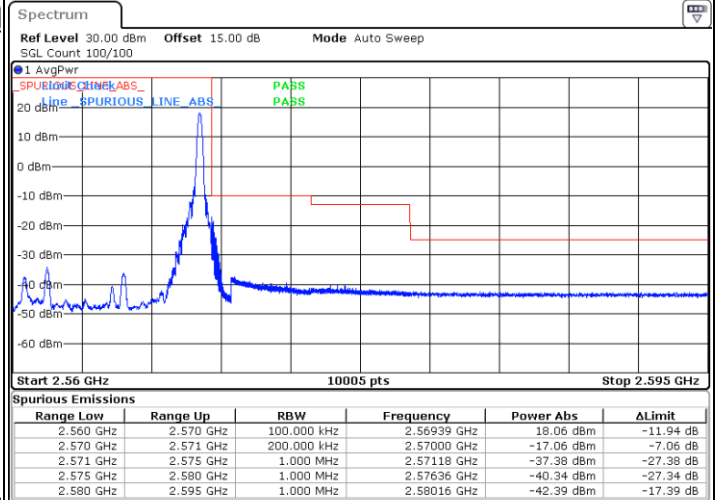


LTE Band 7 / 10MHz / 64QAM

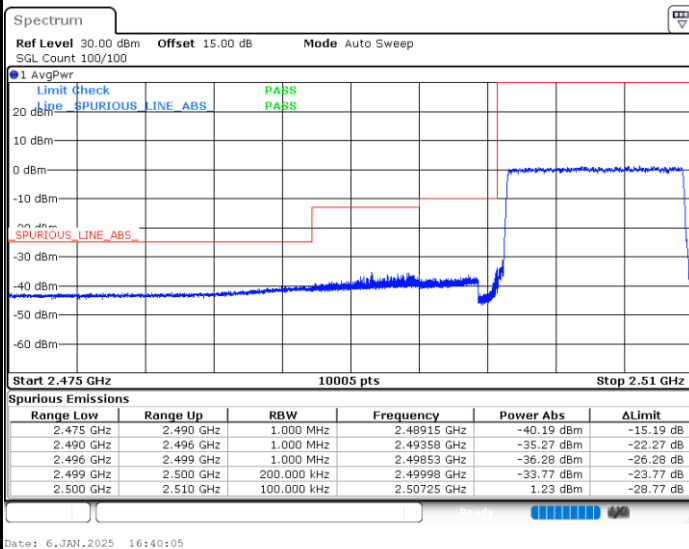
Lowest Band Edge / 1RB



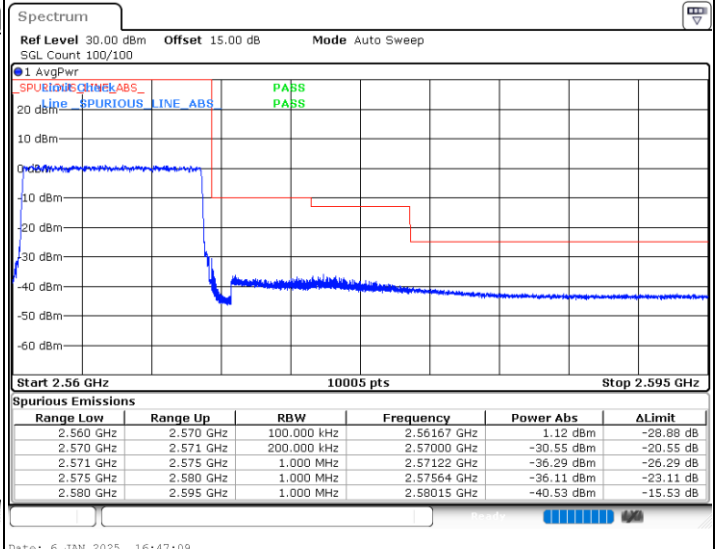
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



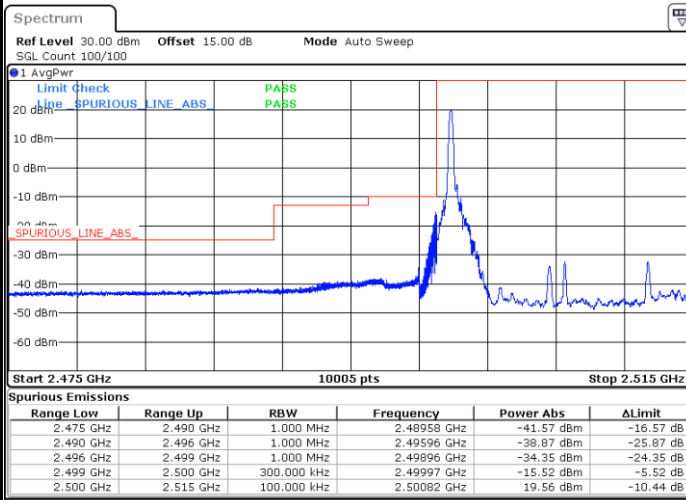
Highest Band Edge / Full RB



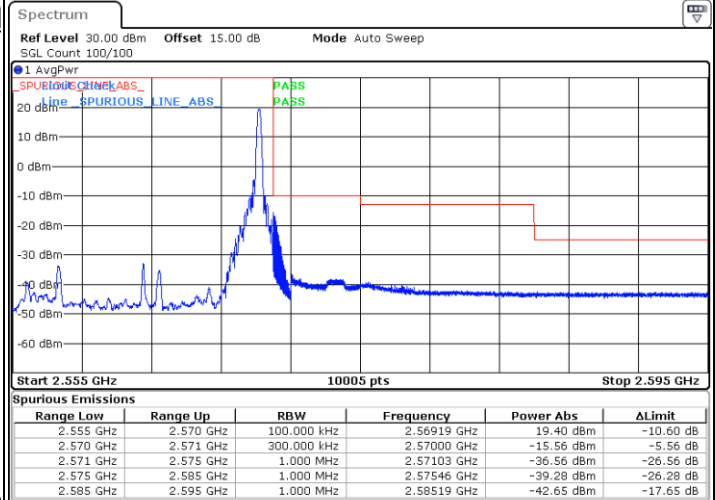


LTE Band 7 / 15MHz / QPSK

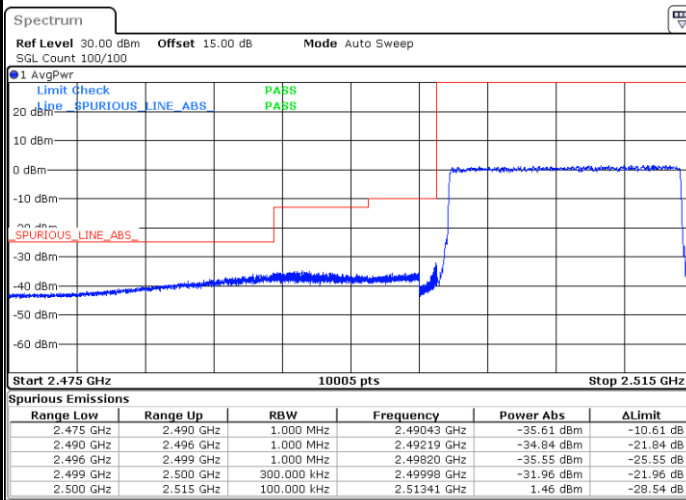
Lowest Band Edge / 1 RB



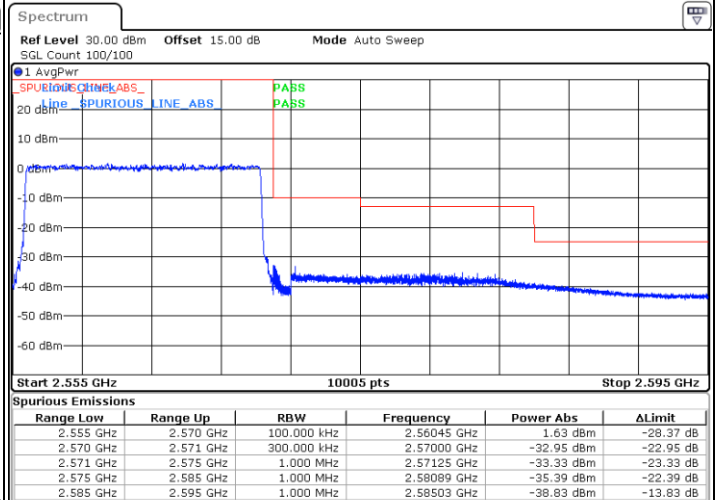
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



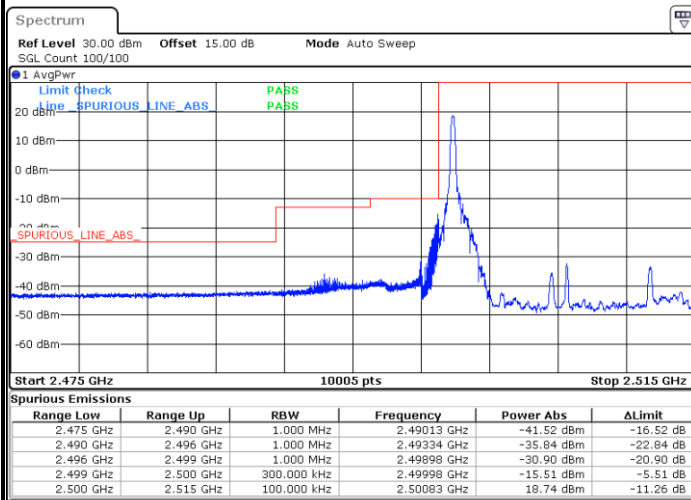
Highest Band Edge / Full RB





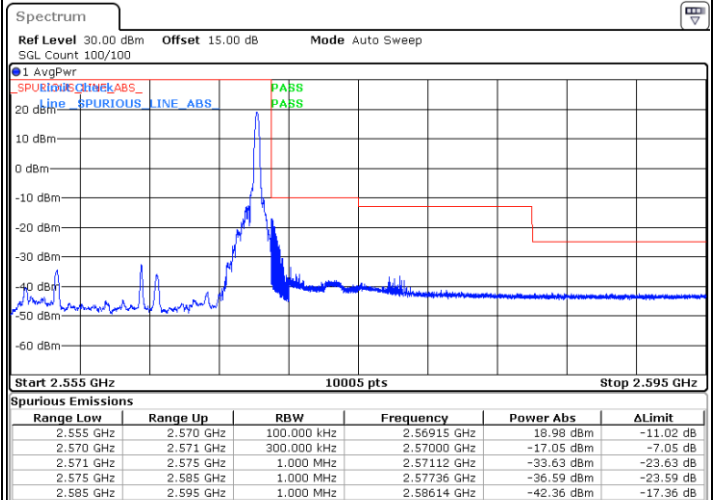
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1RB



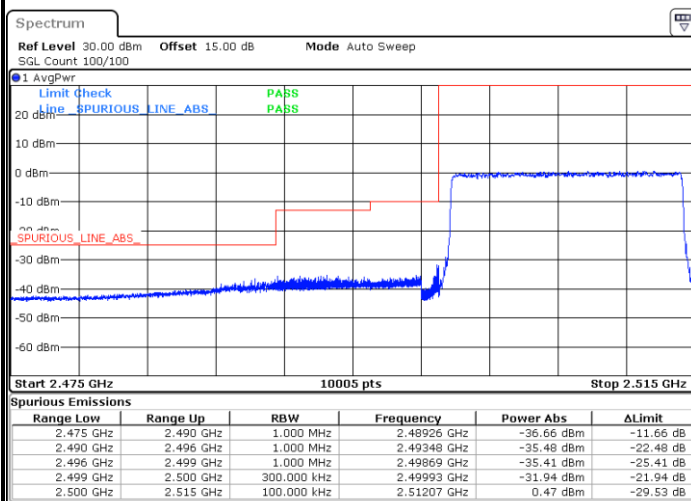
Date: 6.JAN.2025 16:50:10

Highest Band Edge / 1 RB



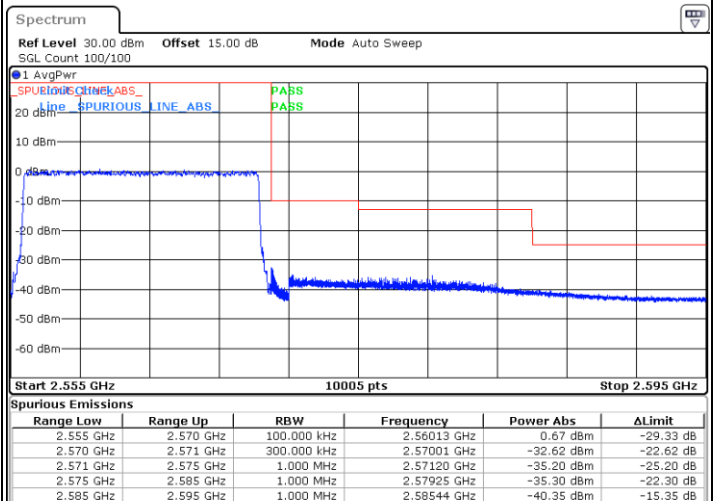
Date: 6.JAN.2025 16:57:15

Lowest Band Edge / Full RB



Date: 6.JAN.2025 16:51:59

Highest Band Edge / Full RB

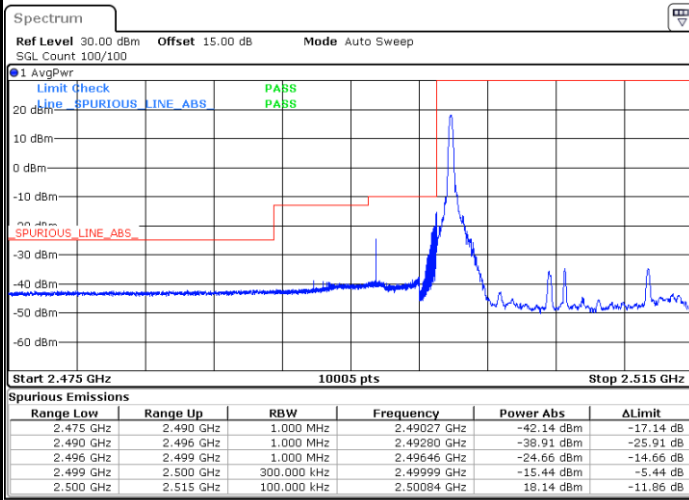


Date: 6.JAN.2025 16:59:03

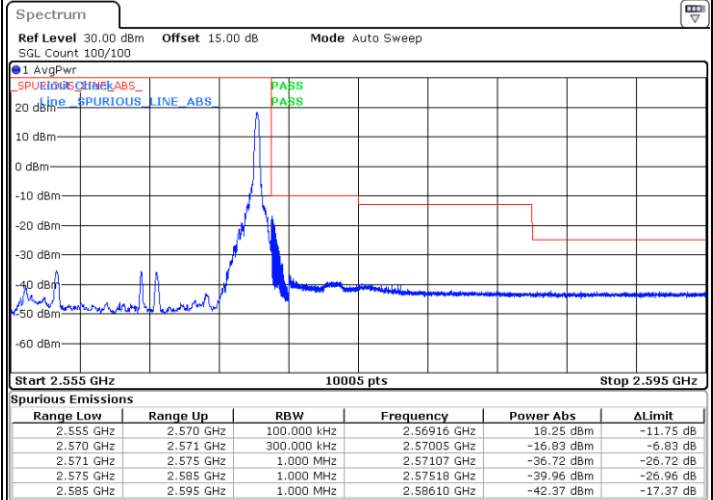


LTE Band 7 / 15MHz / 64QAM

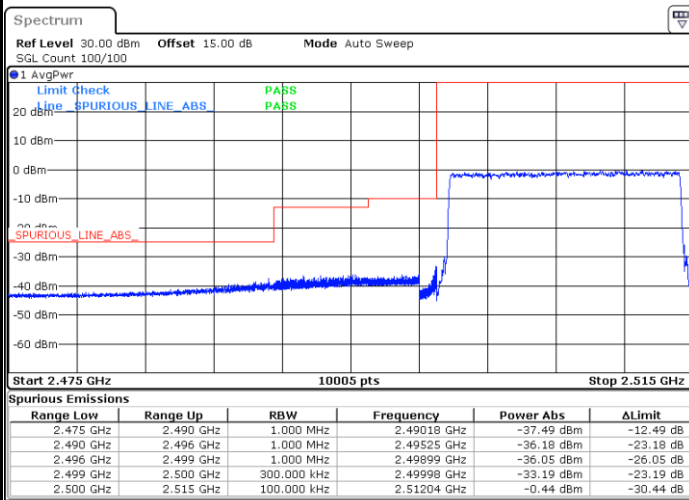
Lowest Band Edge / 1RB



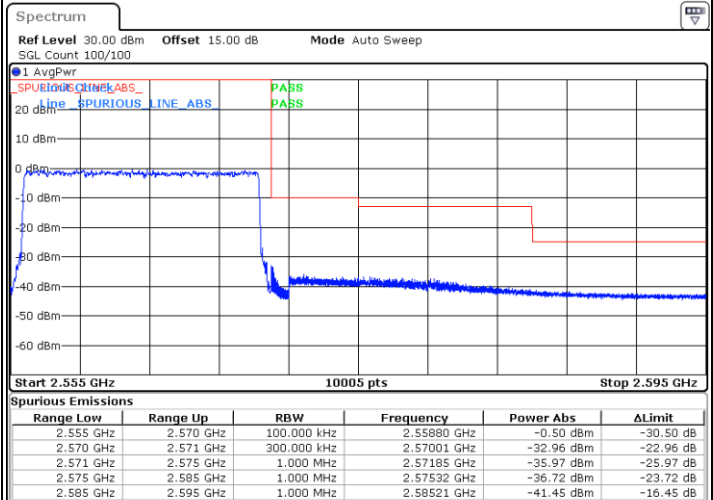
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



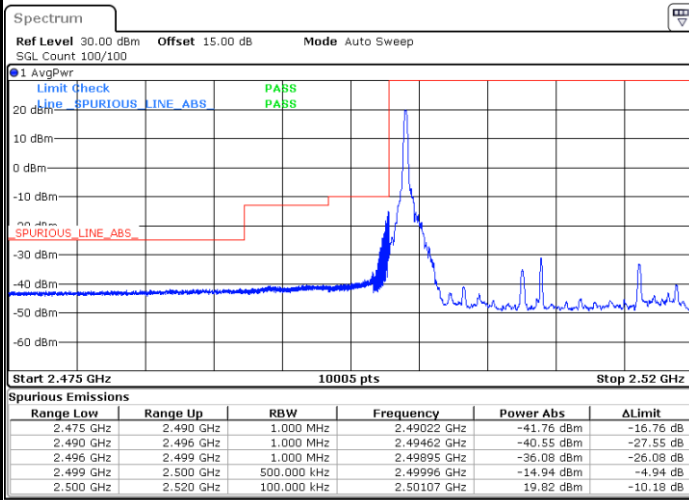
Highest Band Edge / Full RB



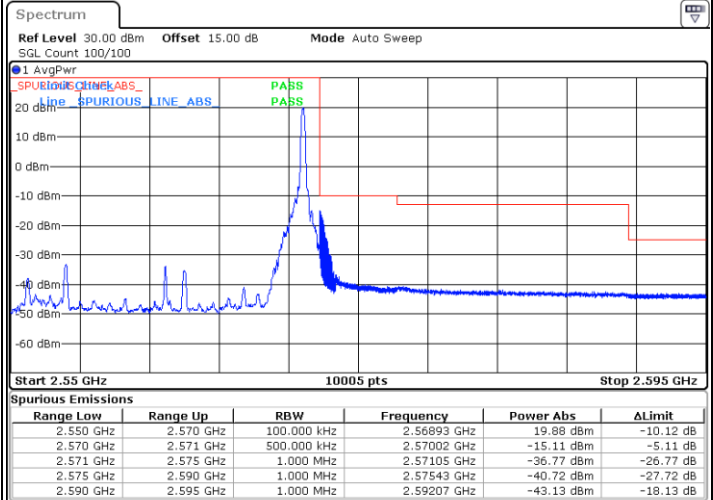


LTE Band 7 / 20MHz / QPSK

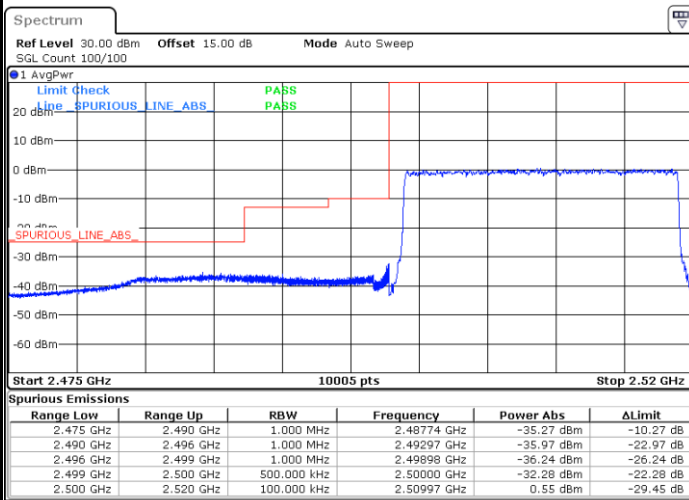
Lowest Band Edge / 1 RB



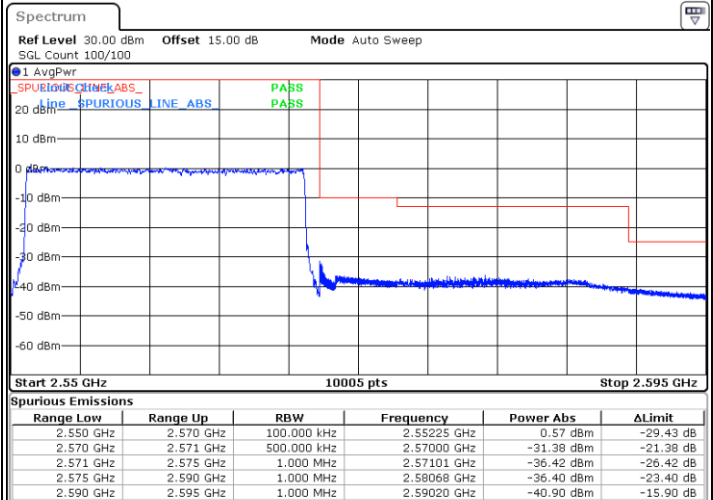
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



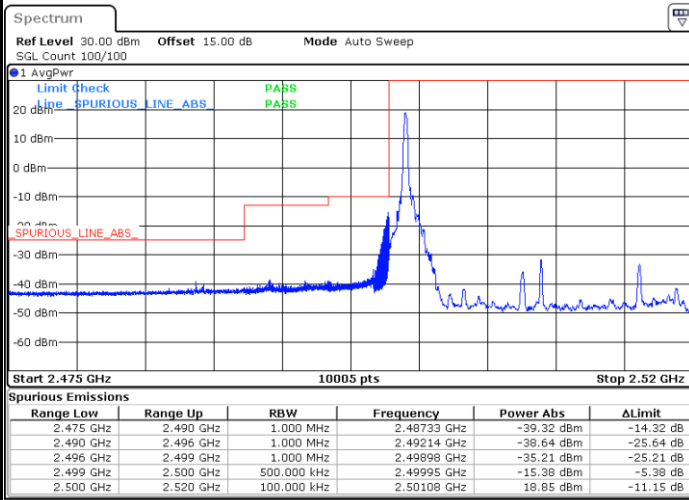
Highest Band Edge / Full RB



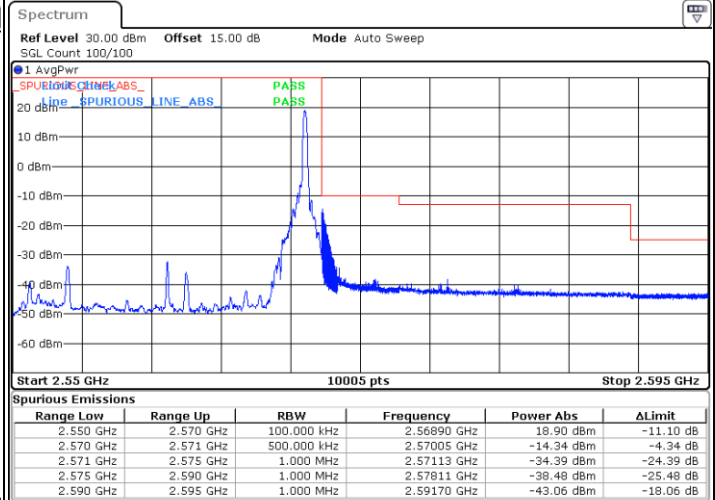


LTE Band 7 / 20MHz / 16QAM

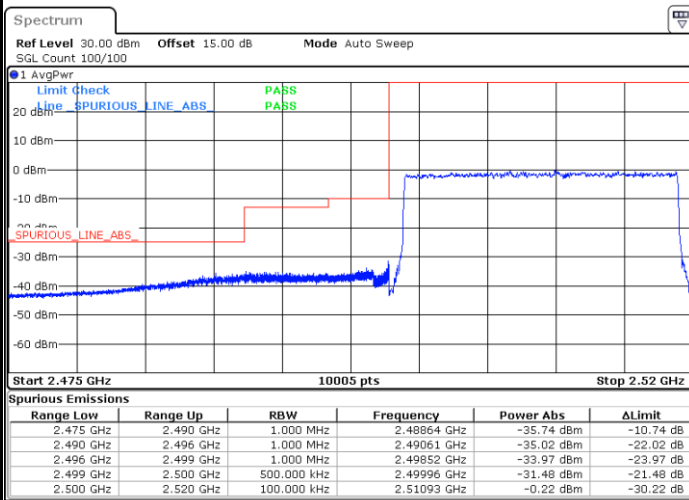
Lowest Band Edge / 1RB



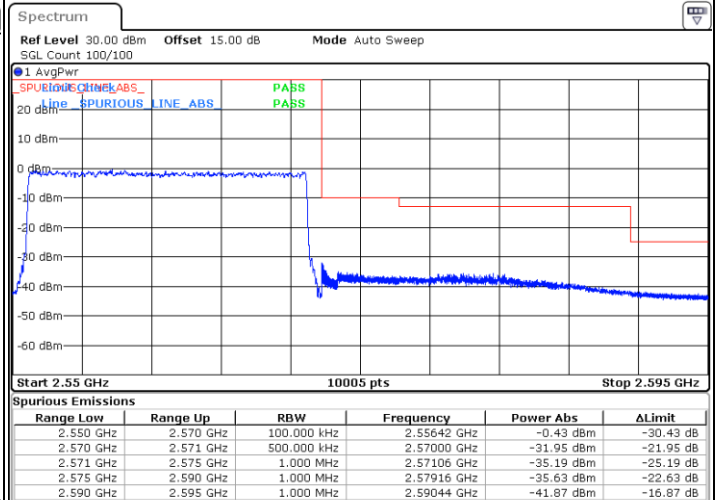
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



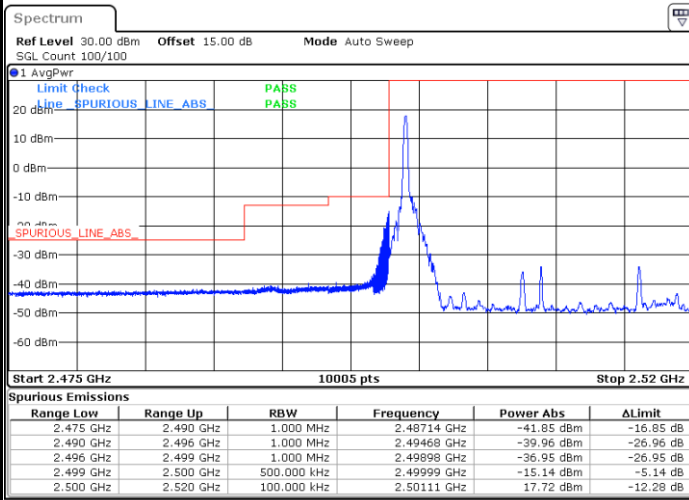
Highest Band Edge / Full RB



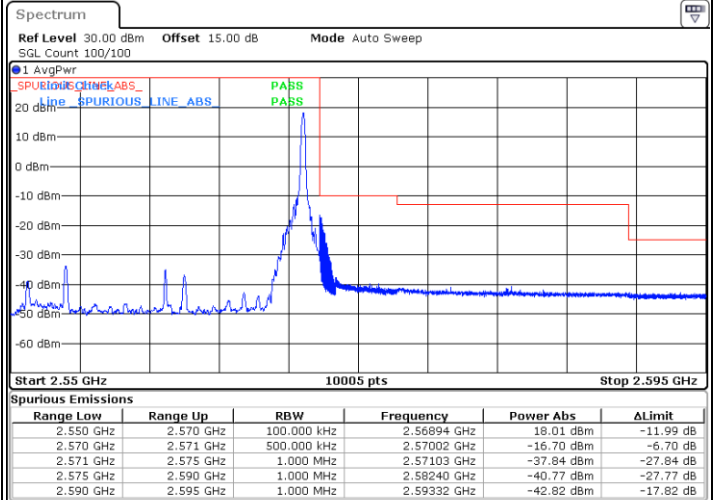


LTE Band 7 / 20MHz / 64QAM

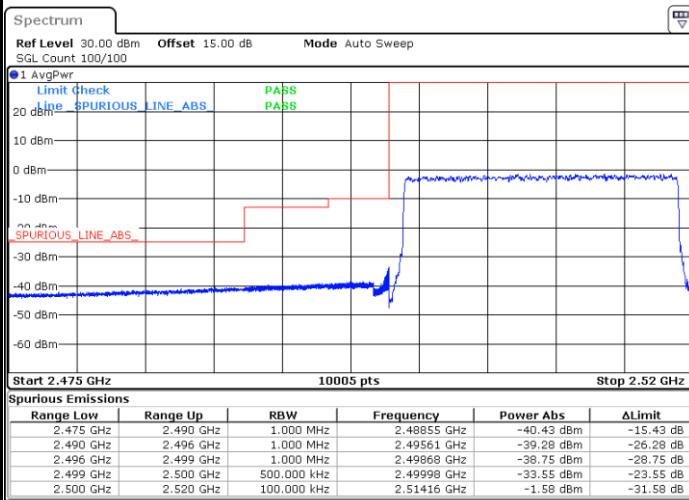
Lowest Band Edge / 1RB



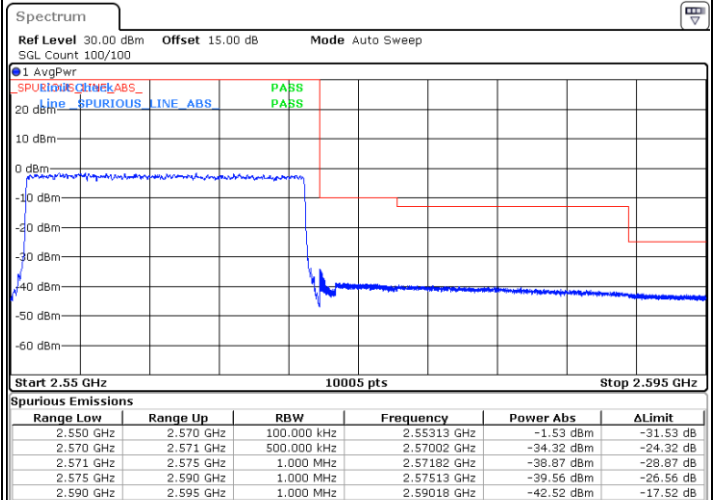
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

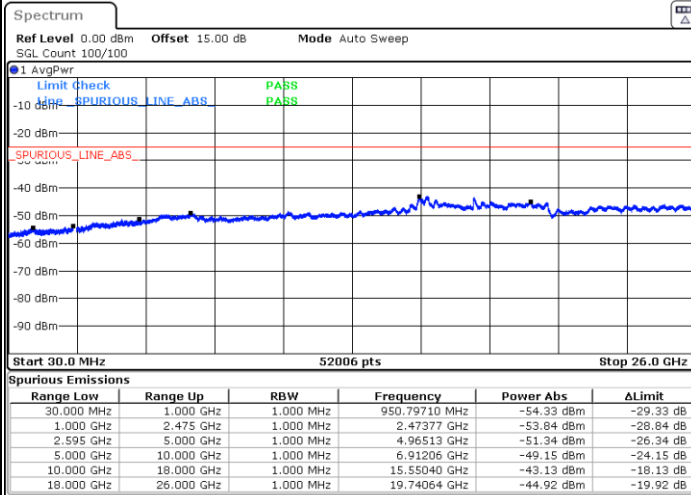




Conducted Spurious Emission

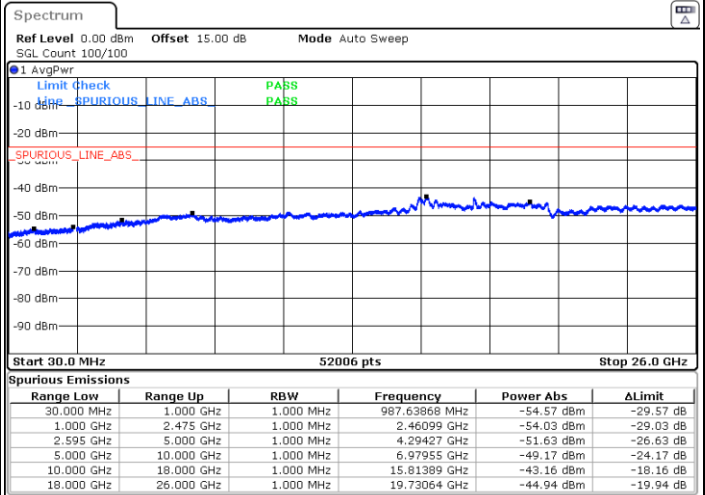
LTE Band 7 / 5MHz

Lowest Channel / QPSK



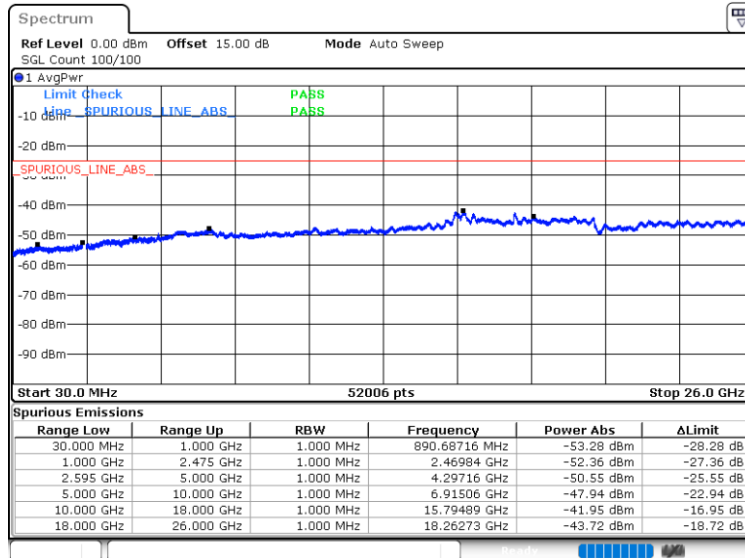
Date: 24.JAN.2025 14:18:19

Middle Channel / QPSK



Date: 24.JAN.2025 14:19:50

Highest Channel / QPSK

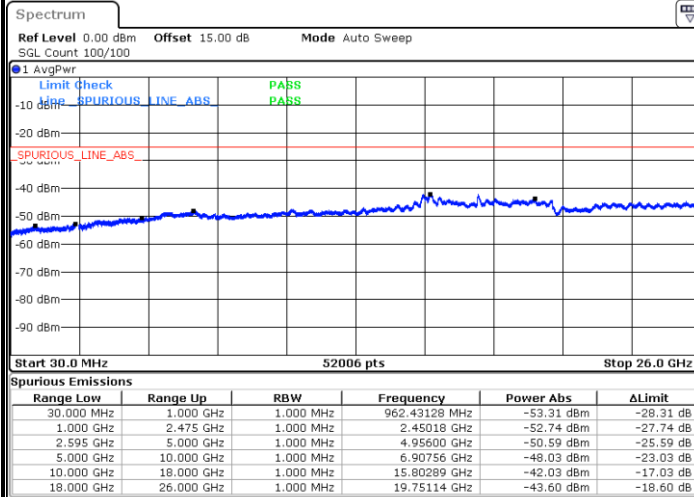


Date: 6.JAN.2025 16:35:45



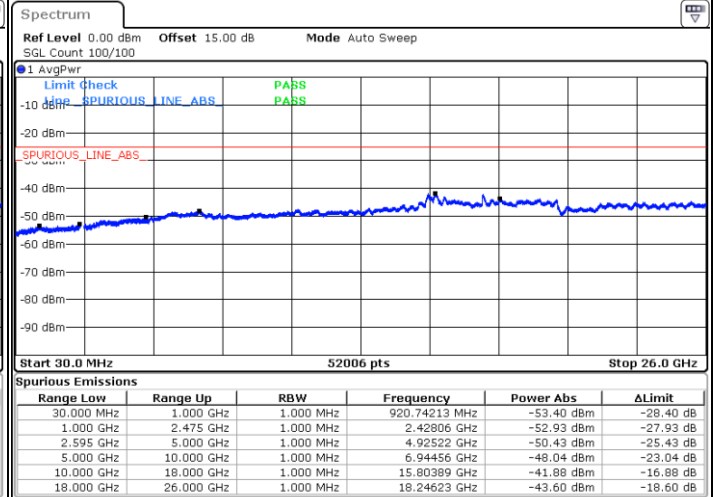
LTE Band 7 / 10MHz

Lowest Channel / QPSK



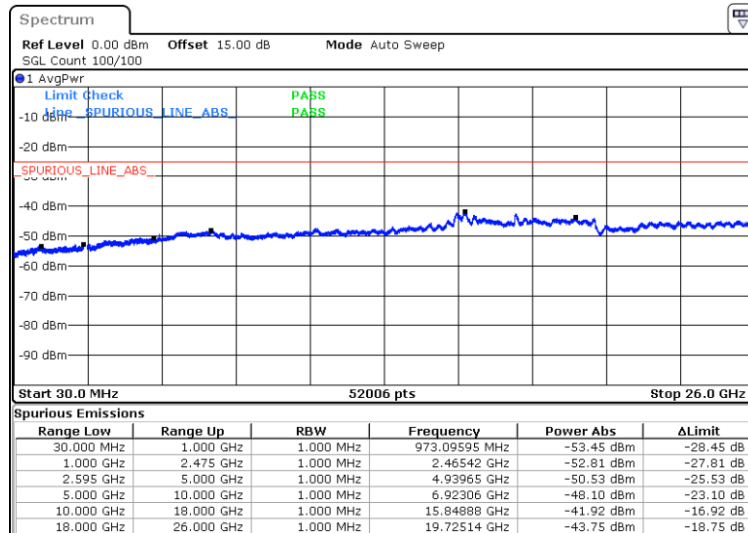
Date: 6.JAN.2025 16:41:09

Middle Channel / QPSK



Date: 6.JAN.2025 16:42:13

Highest Channel / QPSK

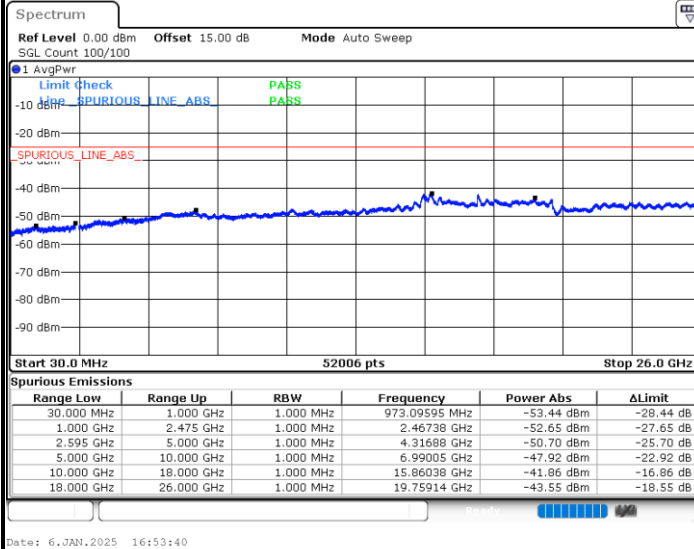


Date: 6.JAN.2025 16:48:14

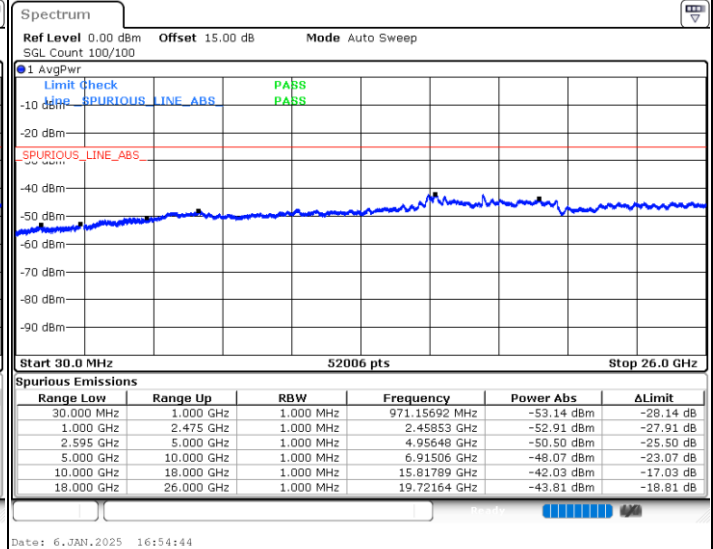


LTE Band 7 / 15MHz

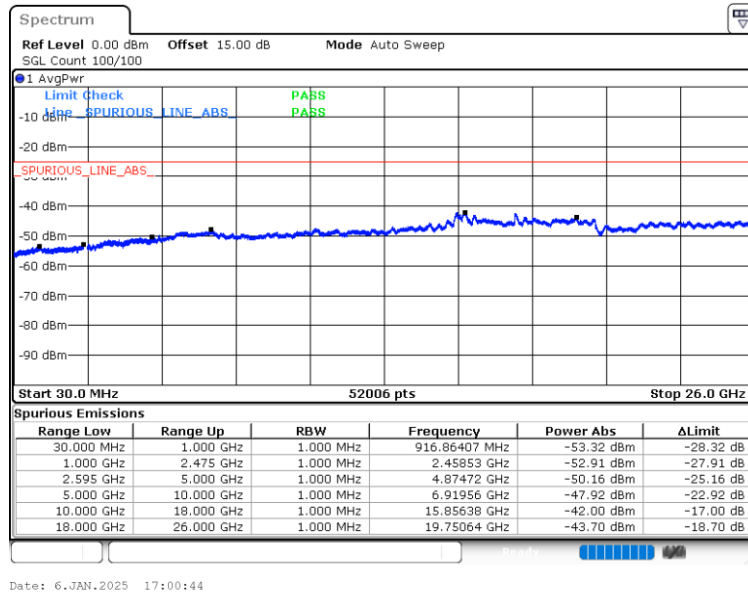
Lowest Channel / QPSK



Middle Channel / QPSK



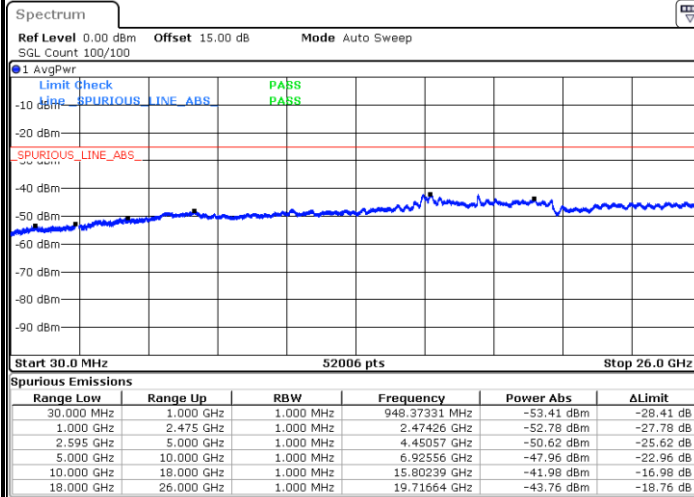
Highest Channel / QPSK





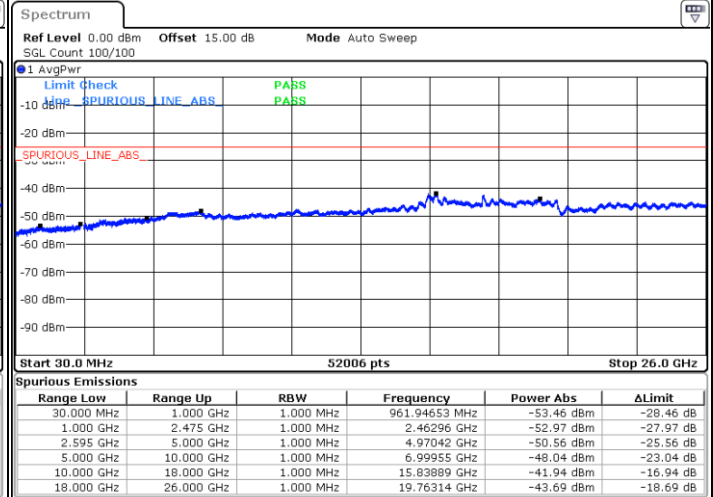
LTE Band 7 / 20MHz

Lowest Channel / QPSK



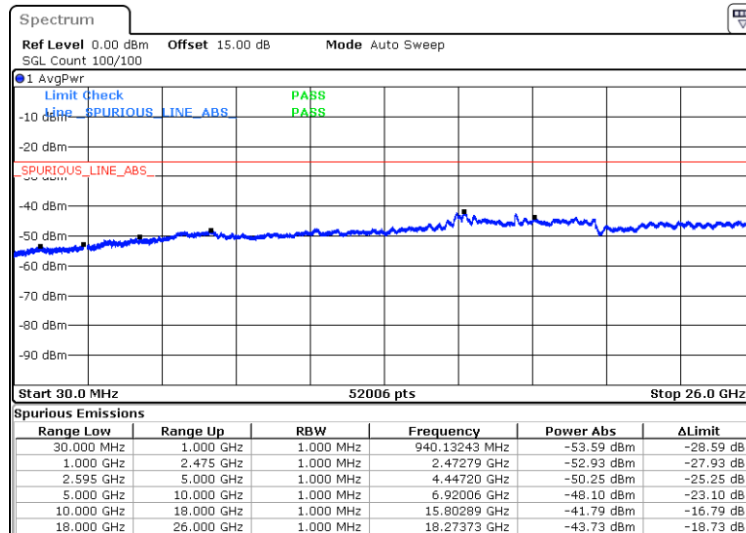
Date: 6.JAN.2025 17:06:10

Middle Channel / QPSK



Date: 6.JAN.2025 17:07:14

Highest Channel / QPSK



Date: 6.JAN.2025 17:14:35

**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	0.0004	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0000	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

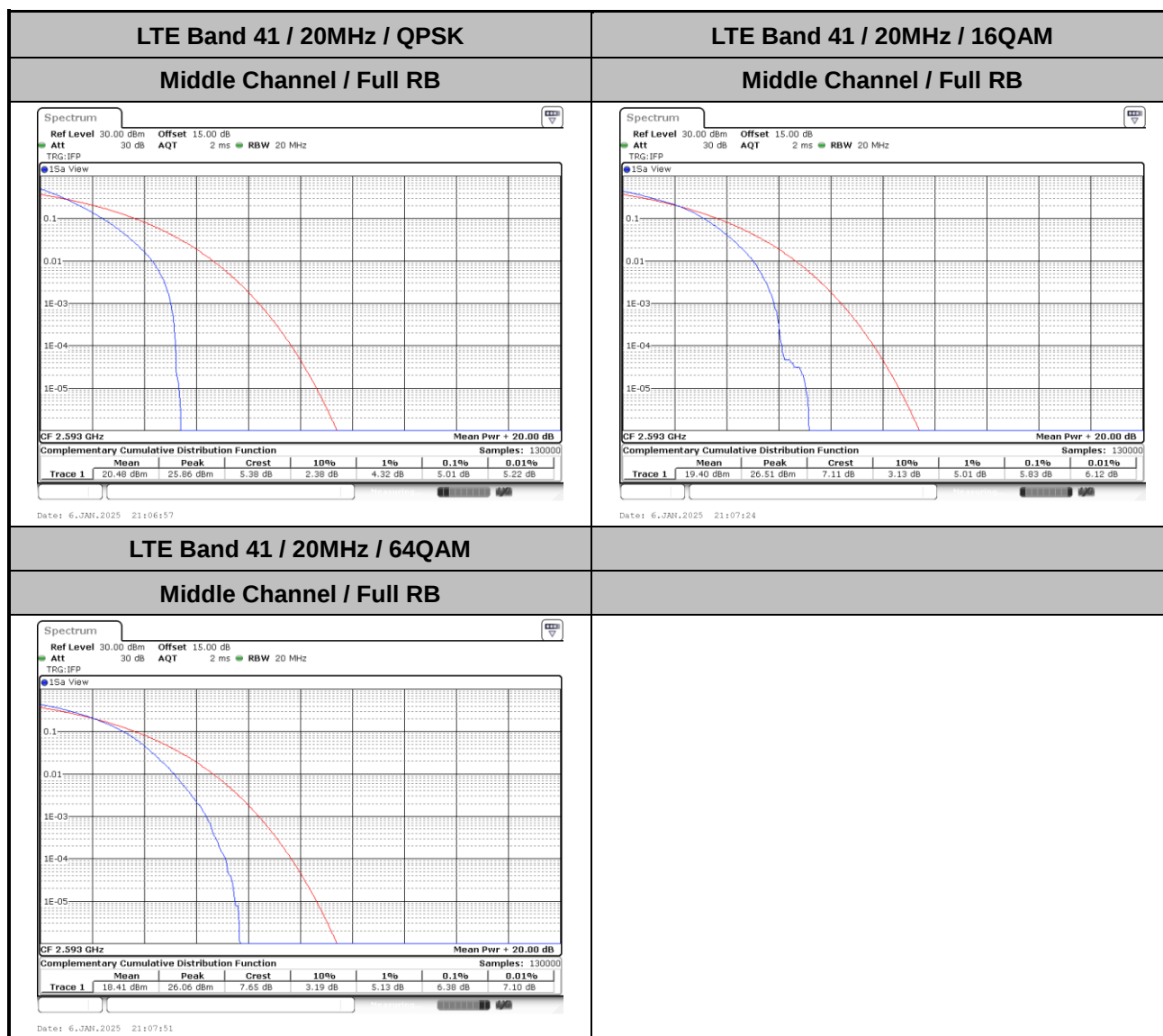
1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41(Other PA)

Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.01	5.83	6.38	PASS



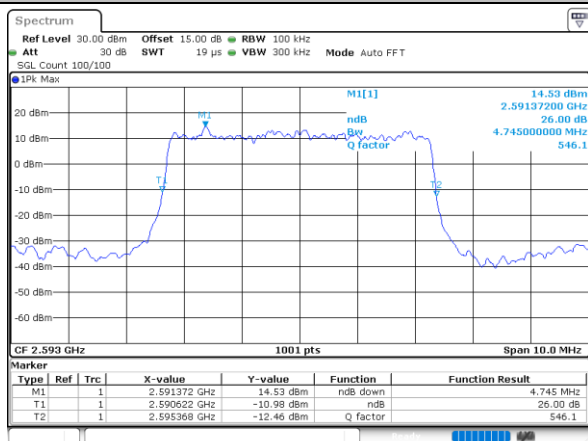


26dB Bandwidth

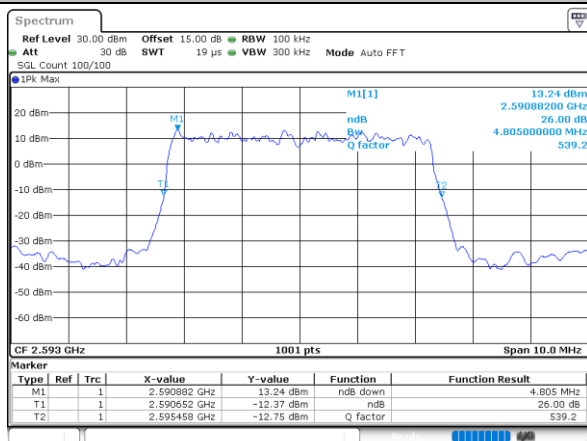
Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.75	4.81	9.61	9.71	14.30	14.42	18.62	18.70

LTE Band 41

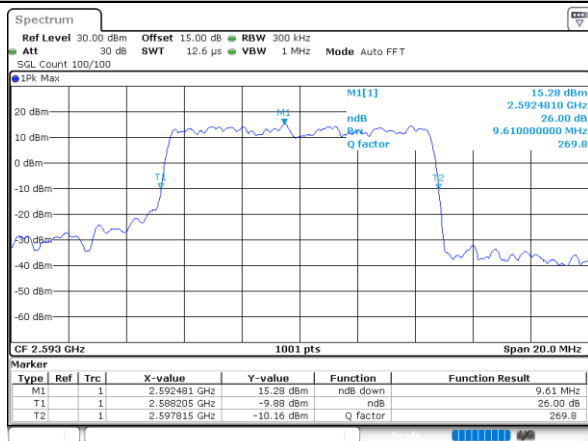
Middle Channel / 5MHz / QPSK



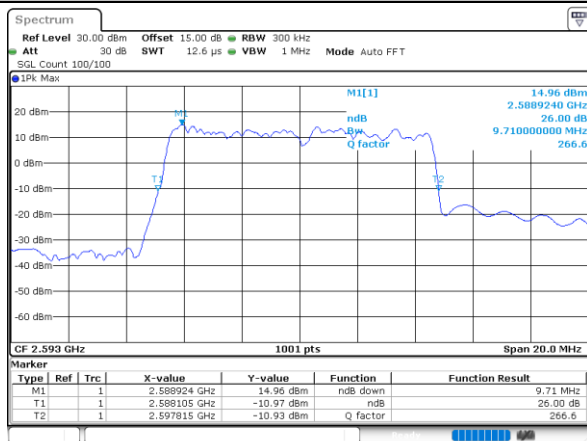
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK

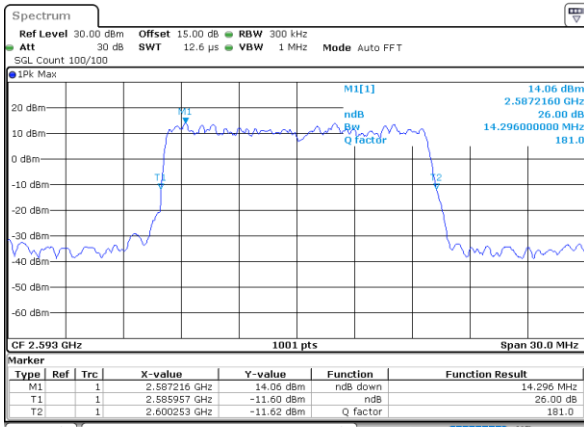


Middle Channel / 10MHz / 16QAM

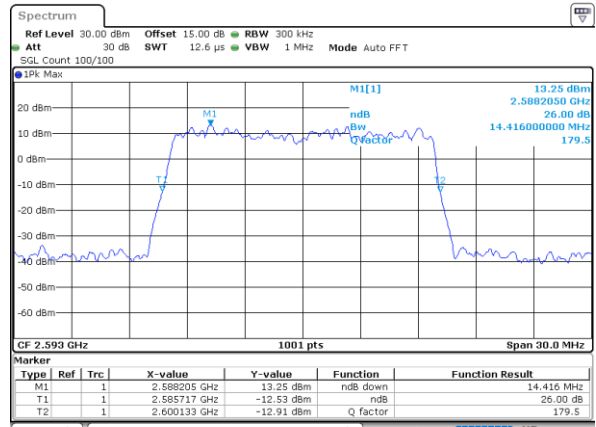




Middle Channel / 15MHz / QPSK

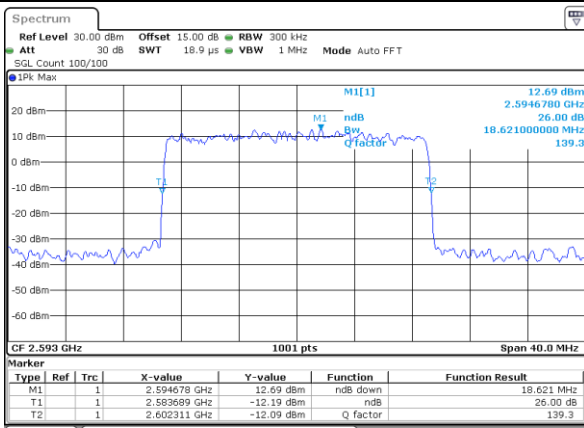


Middle Channel / 15MHz / 16QAM

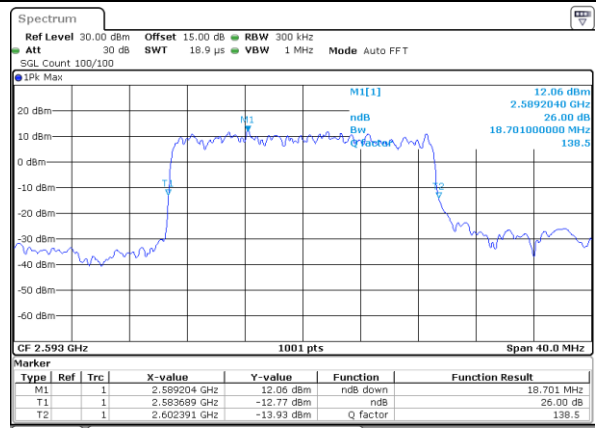


LTE Band 41

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM



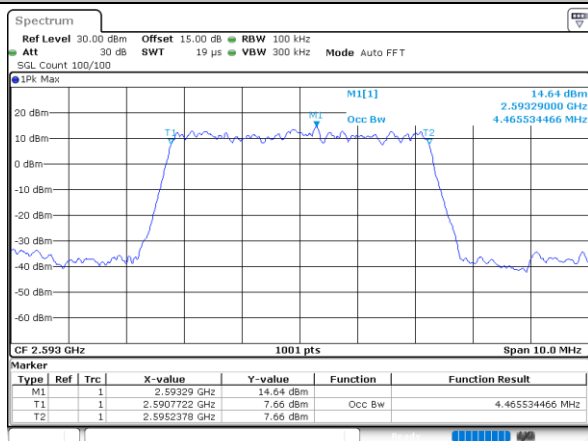


Occupied Bandwidth

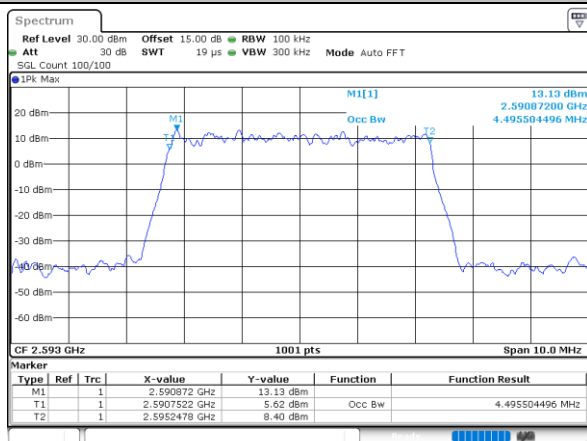
Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.47	4.50	9.19	9.01	13.43	13.46	17.82	17.86

LTE Band 41

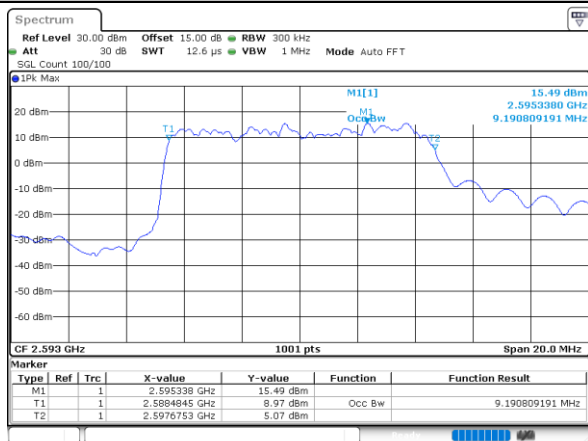
Middle Channel / 5MHz / QPSK



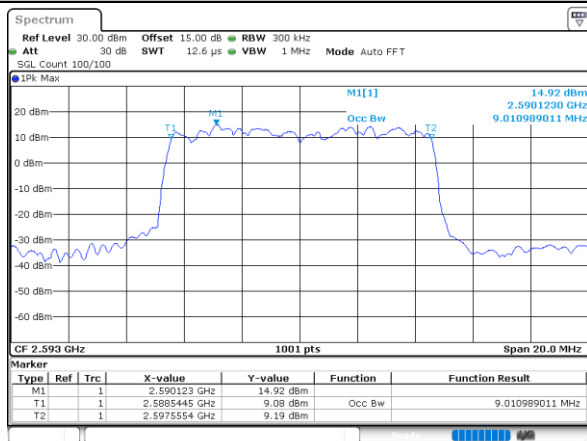
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK

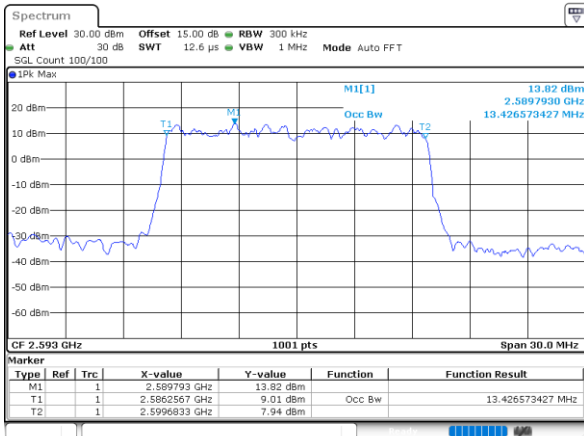


Middle Channel / 10MHz / 16QAM



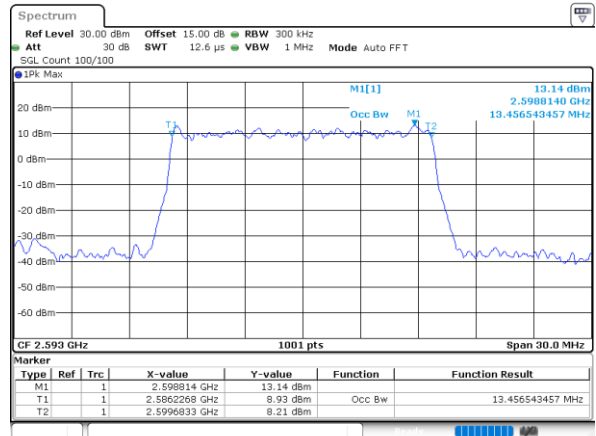


Middle Channel / 15MHz / QPSK



Date: 6.JAN.2025 20:49:47

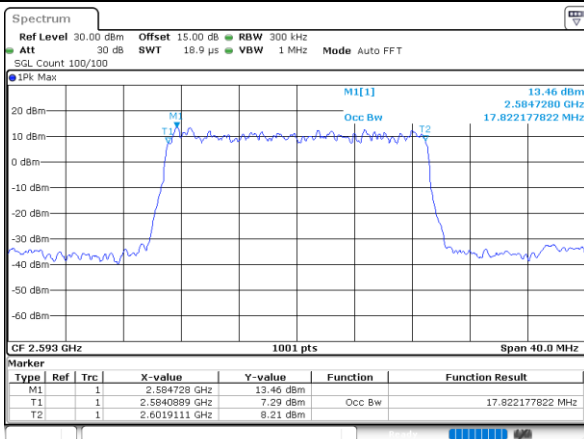
Middle Channel / 15MHz / 16QAM



Date: 6.JAN.2025 20:50:27

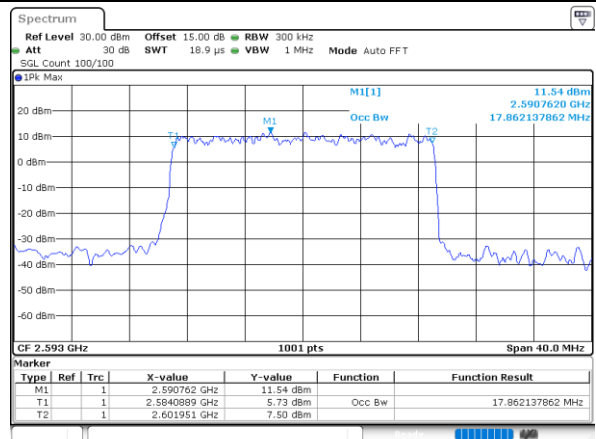
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 6.JAN.2025 21:05:37

Middle Channel / 20MHz / 16QAM



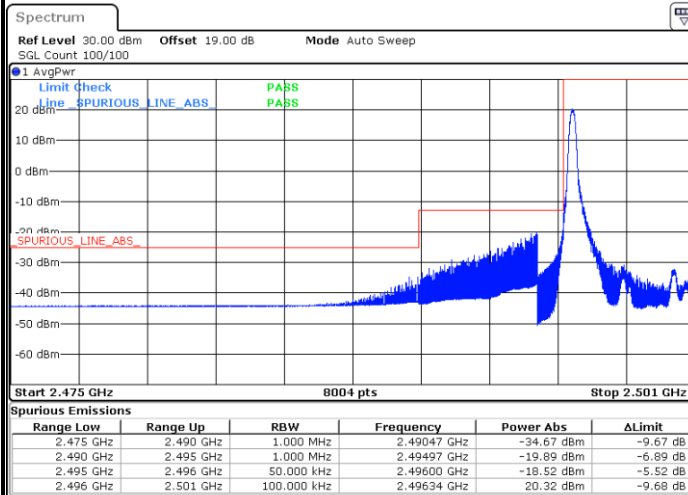
Date: 6.JAN.2025 21:06:16



Conducted Band Edge

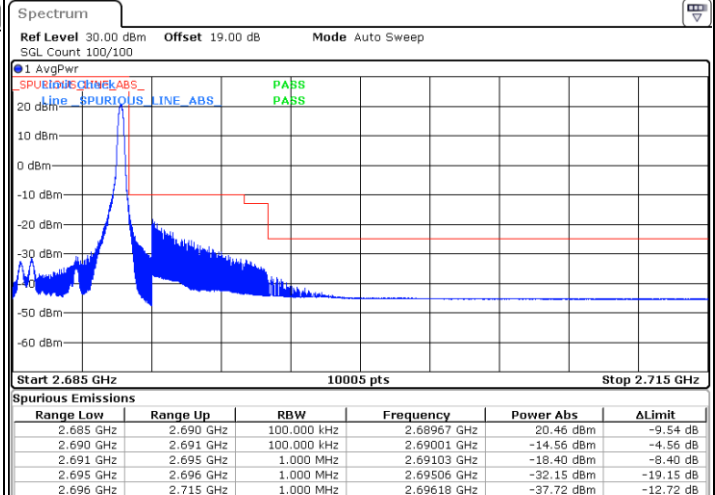
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



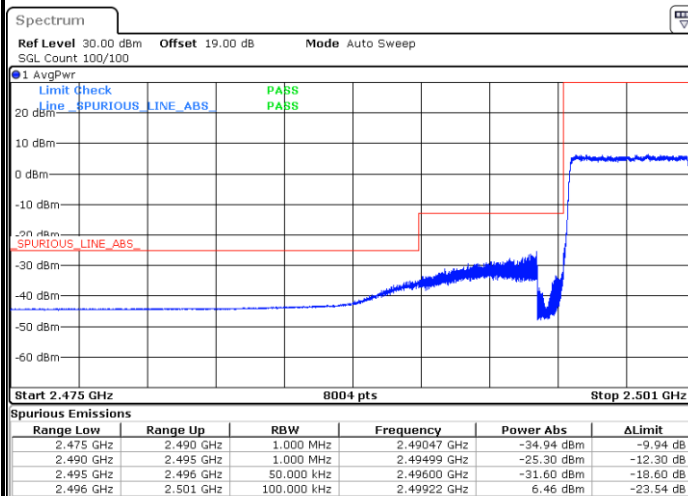
Date: 6.JAN.2025 20:10:24

Highest Band Edge / 1 RB



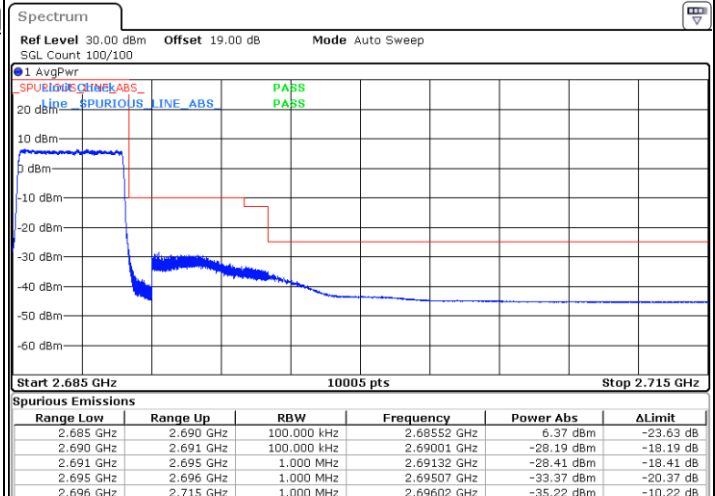
Date: 7.JAN.2025 00:50:52

Lowest Band Edge / Full RB



Date: 6.JAN.2025 20:14:44

Highest Band Edge / Full RB

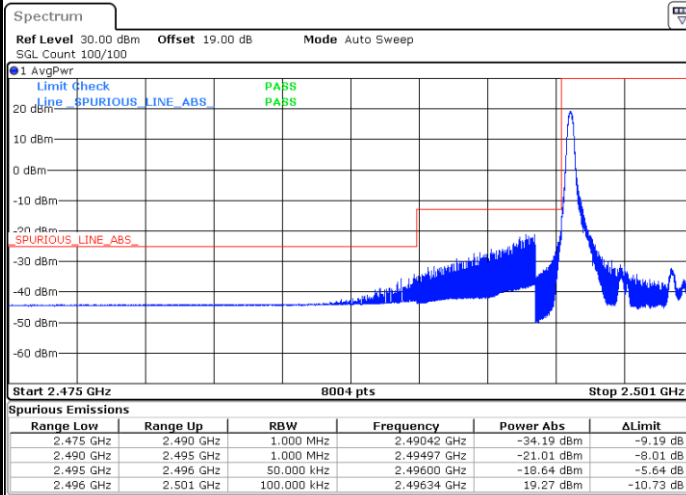


Date: 7.JAN.2025 00:58:33



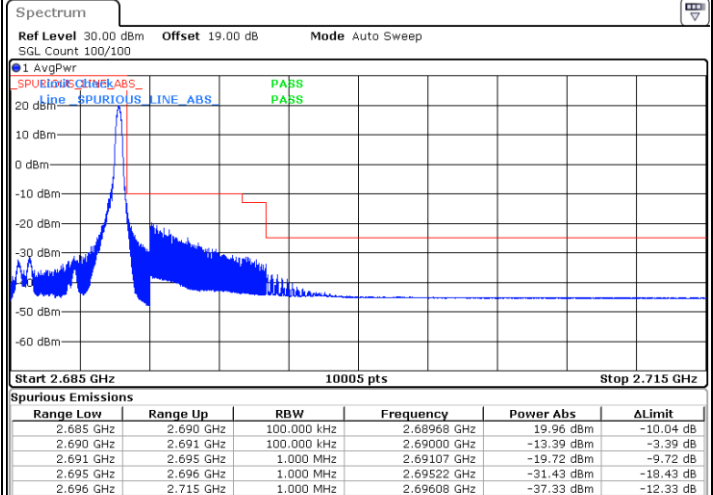
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



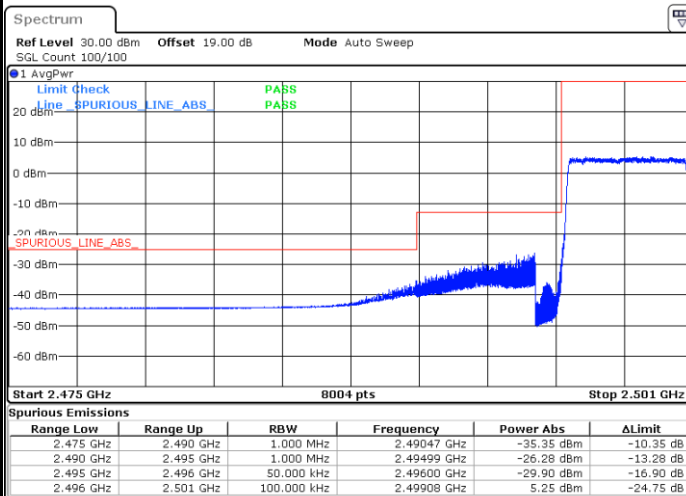
Date: 6.JAN.2025 20:11:16

Highest Band Edge / 1 RB



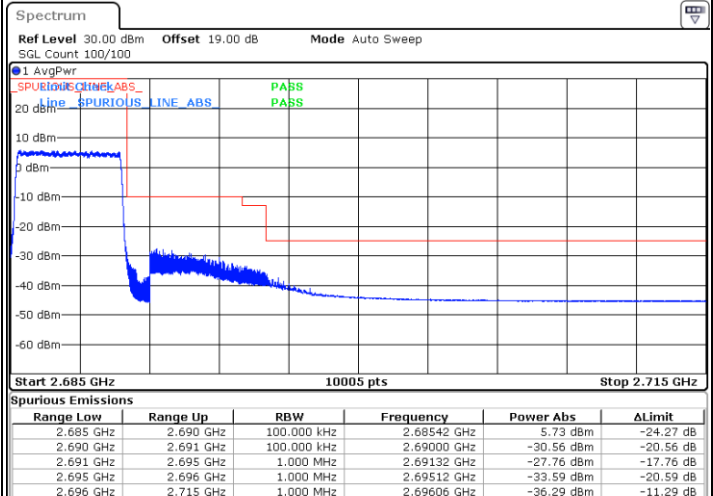
Date: 7.JAN.2025 00:52:18

Lowest Band Edge / Full RB



Date: 6.JAN.2025 20:13:52

Highest Band Edge / Full RB

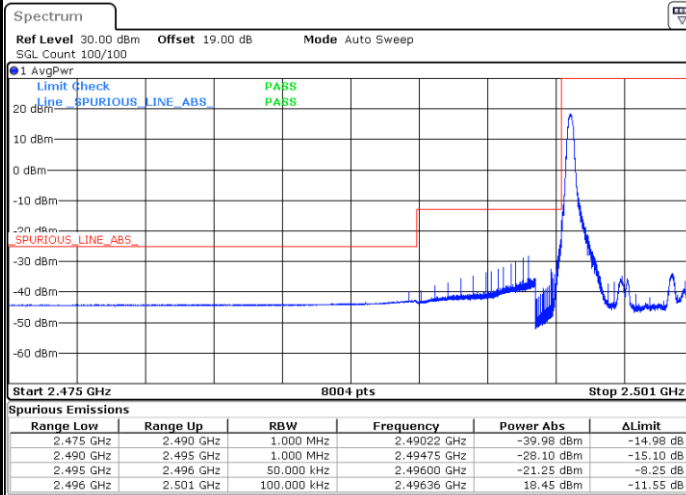


Date: 7.JAN.2025 00:57:12



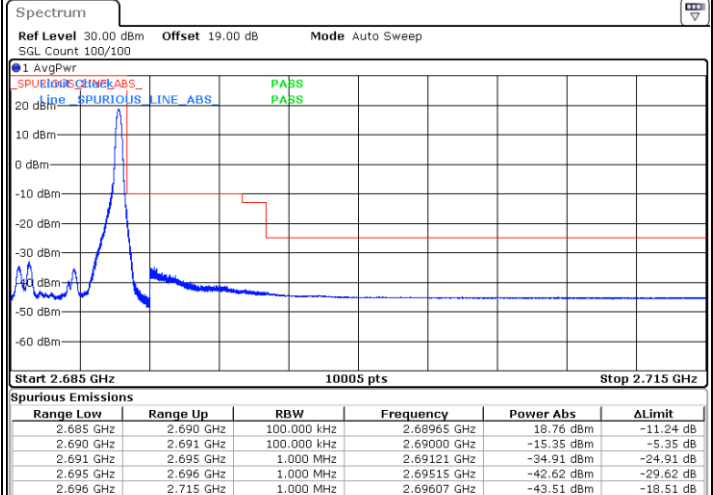
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



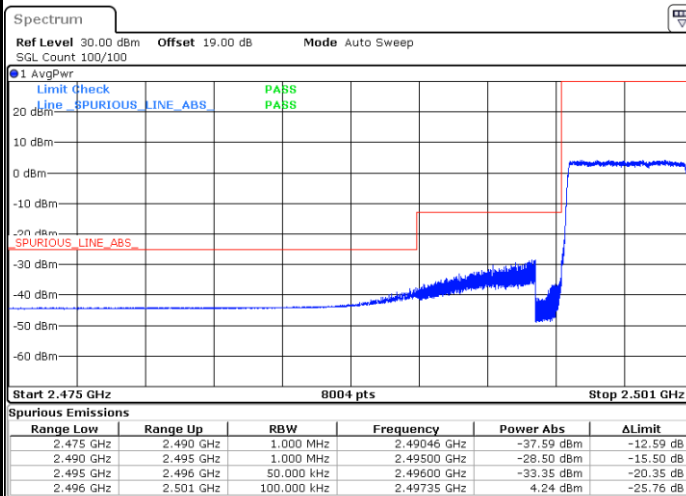
Date: 6.JAN.2025 20:12:08

Highest Band Edge / 1 RB



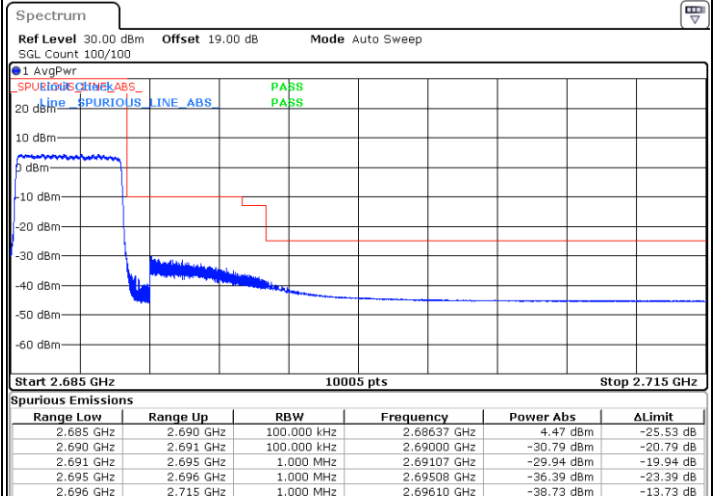
Date: 7.JAN.2025 00:54:14

Lowest Band Edge / Full RB



Date: 6.JAN.2025 20:13:00

Highest Band Edge / Full RB

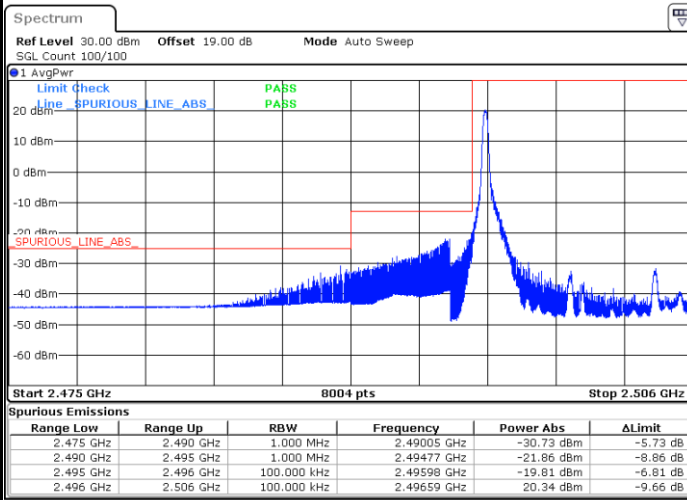


Date: 7.JAN.2025 00:55:41

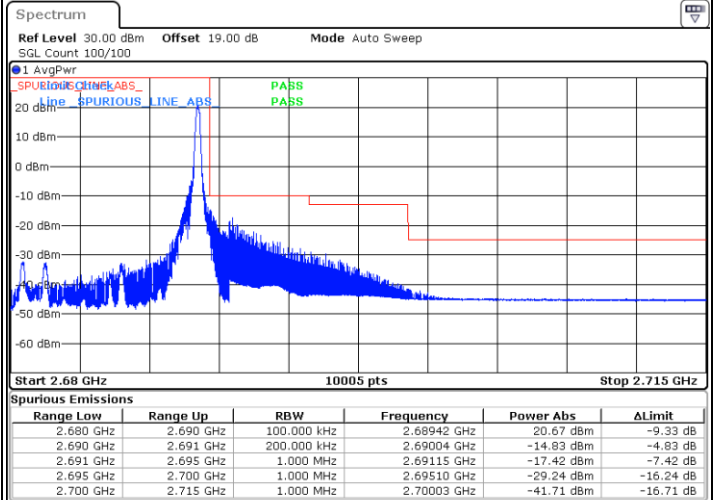


LTE Band 41 / 10MHz / QPSK

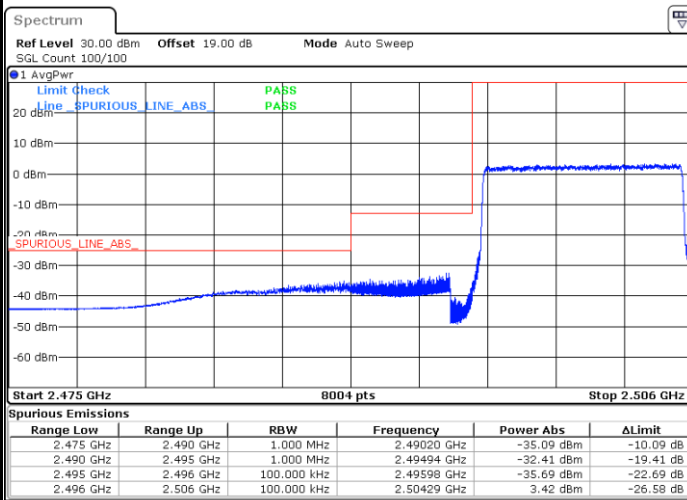
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

