

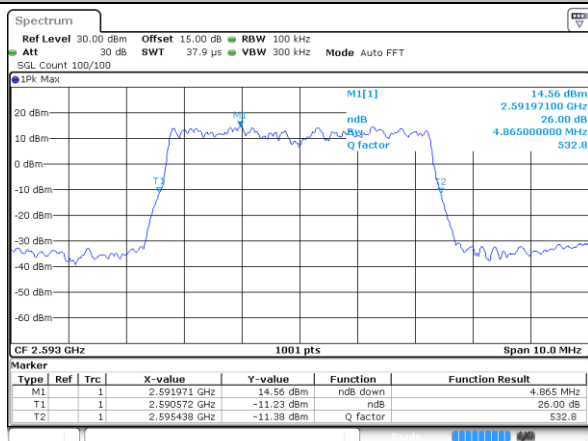


26dB Bandwidth

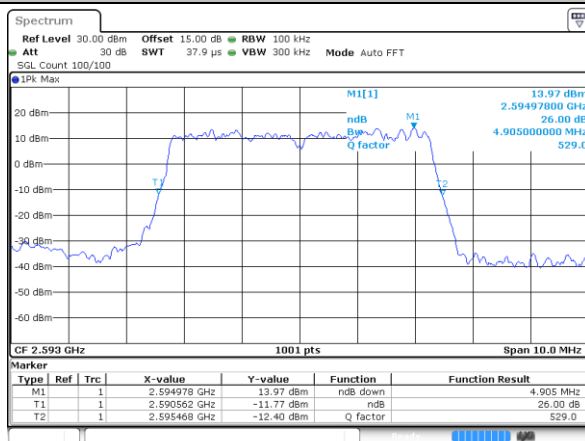
Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.87	4.91	9.73	9.65	14.21	14.24	18.78	18.82

LTE Band 41

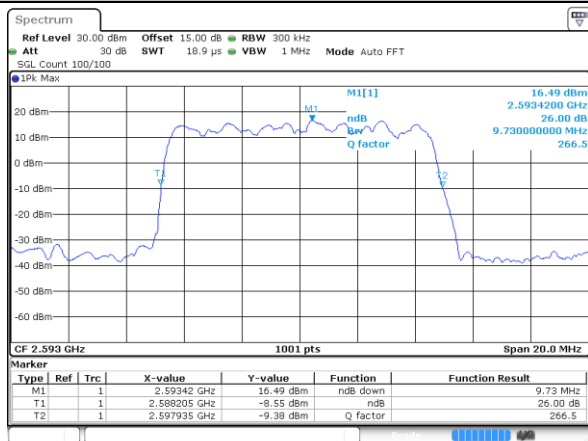
Middle Channel / 5MHz / QPSK



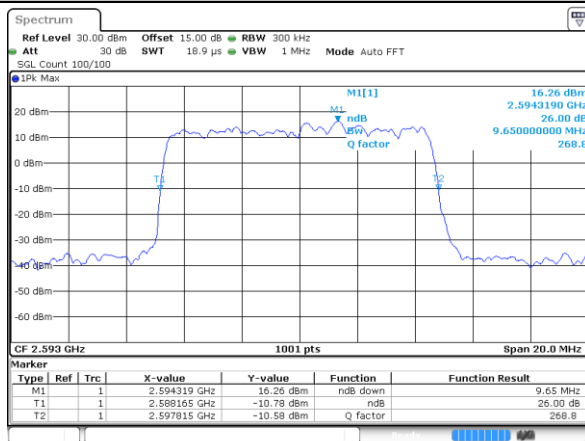
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK

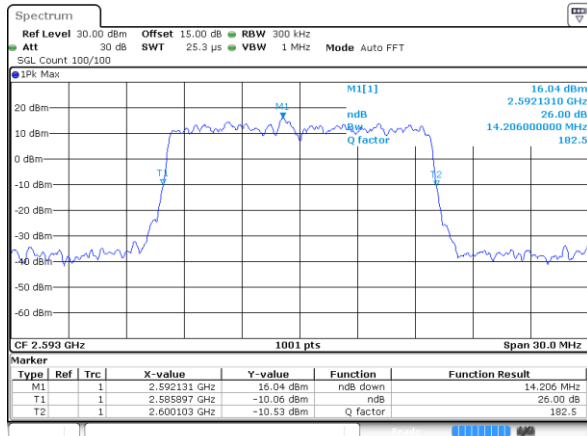


Middle Channel / 10MHz / 16QAM

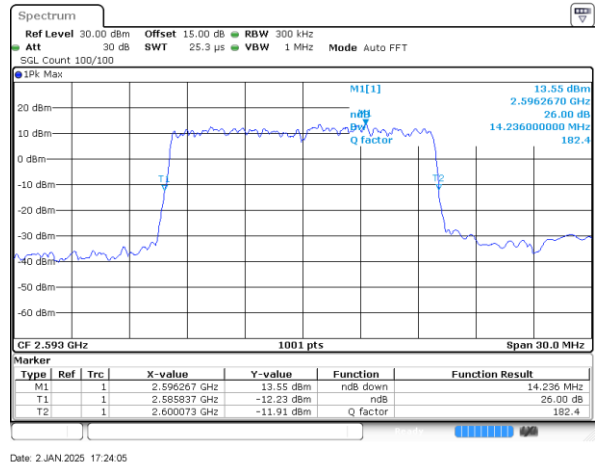




Middle Channel / 15MHz / QPSK

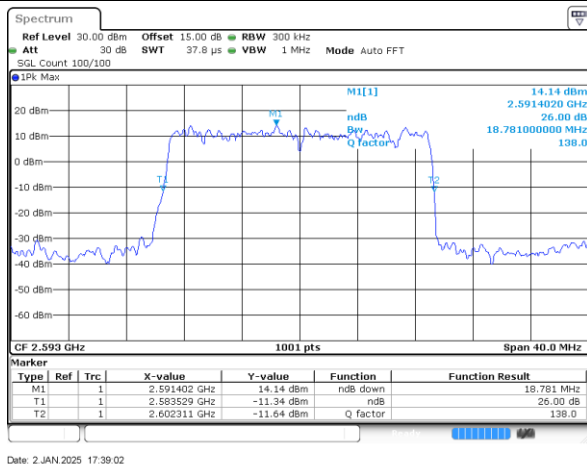


Middle Channel / 15MHz / 16QAM

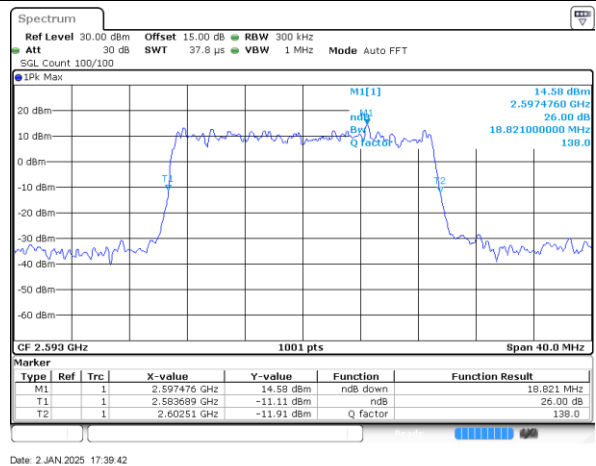


LTE Band 41

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM



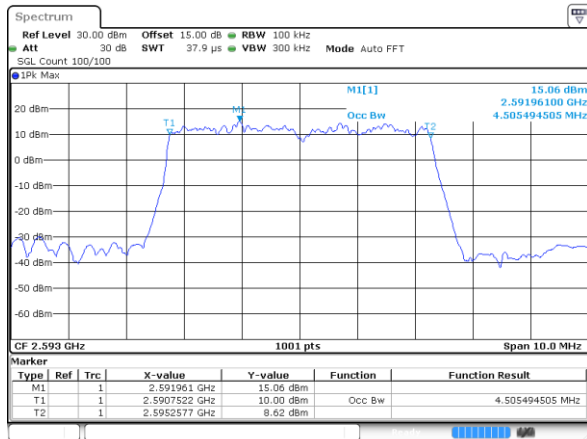


Occupied Bandwidth

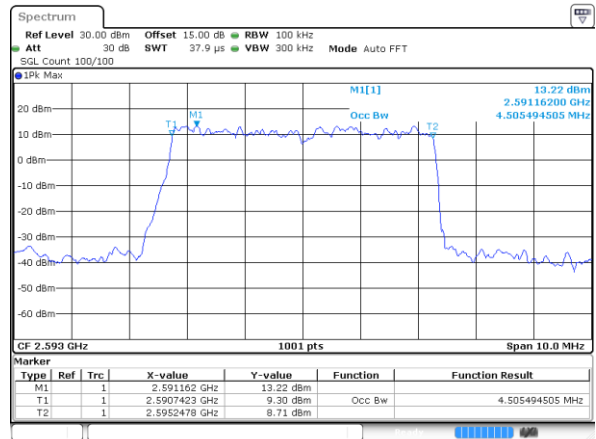
Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.51	4.51	9.07	9.03	13.46	13.46	17.94	17.90

LTE Band 41

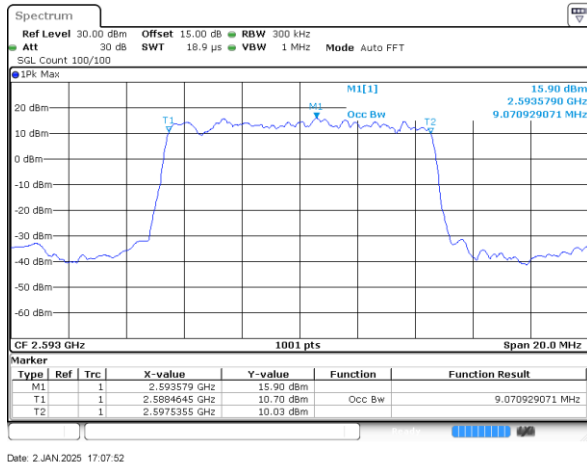
Middle Channel / 5MHz / QPSK



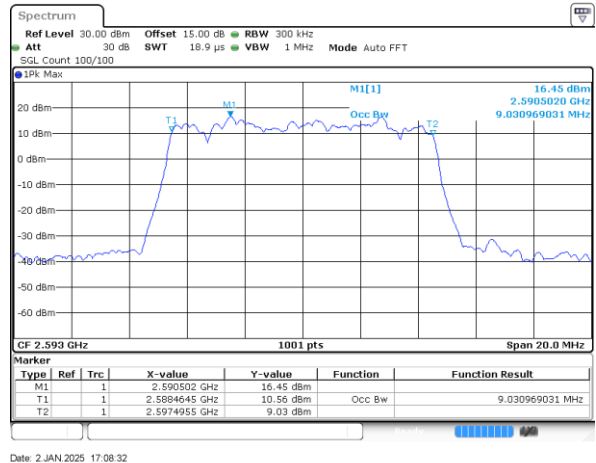
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK

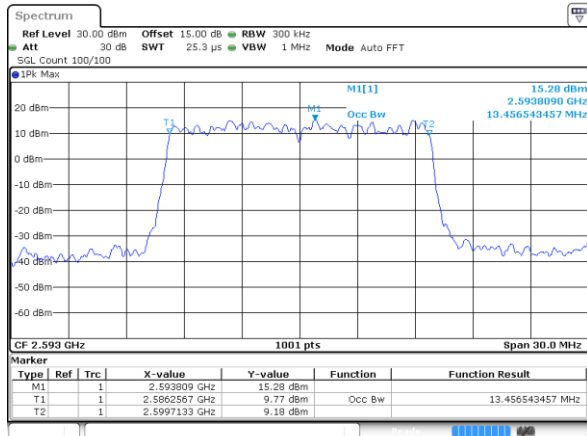


Middle Channel / 10MHz / 16QAM



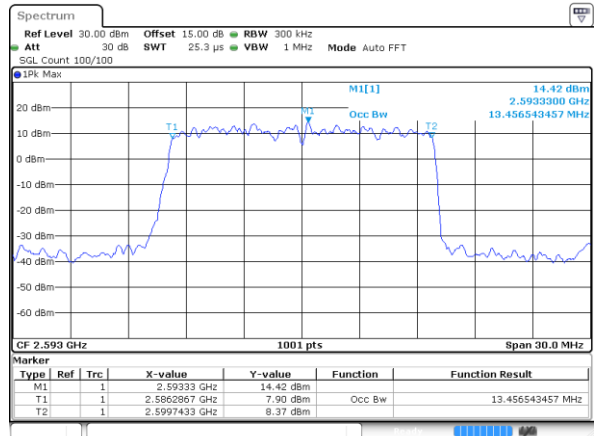


Middle Channel / 15MHz / QPSK



Date: 2 JAN 2025 17:23:12

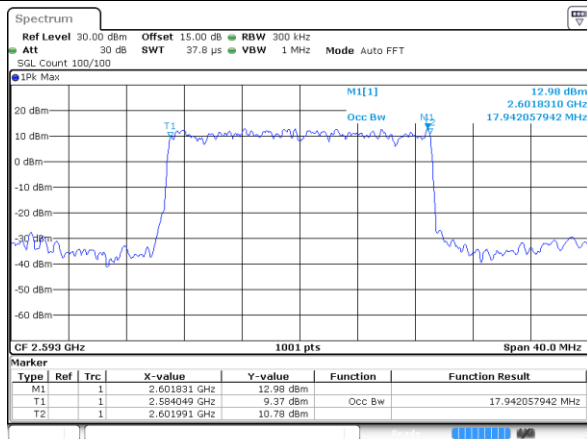
Middle Channel / 15MHz / 16QAM



Date: 2 JAN 2025 17:23:51

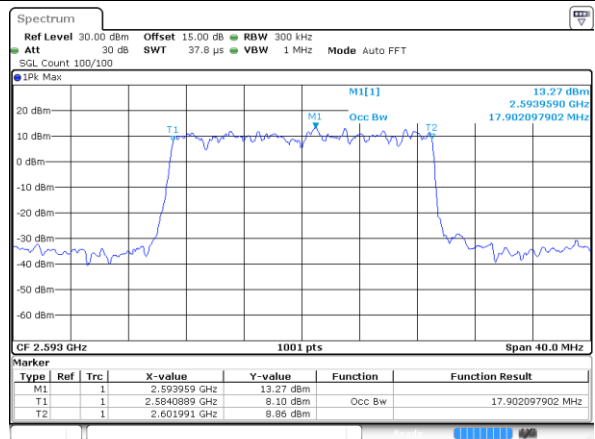
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 2 JAN 2025 17:38:48

Middle Channel / 20MHz / 16QAM



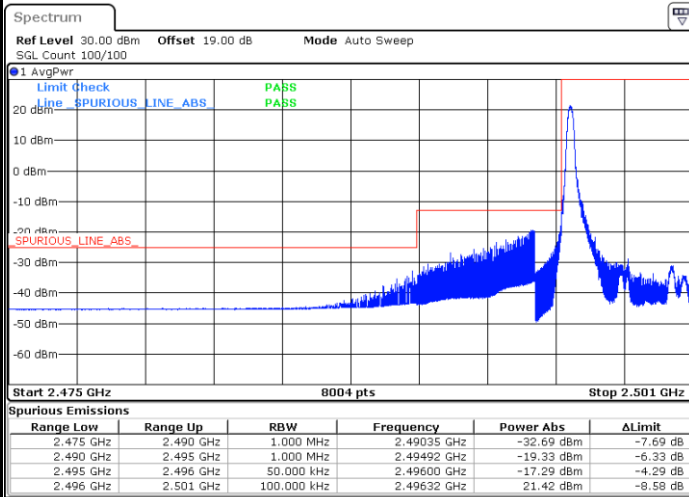
Date: 2 JAN 2025 17:39:28



Conducted Band Edge

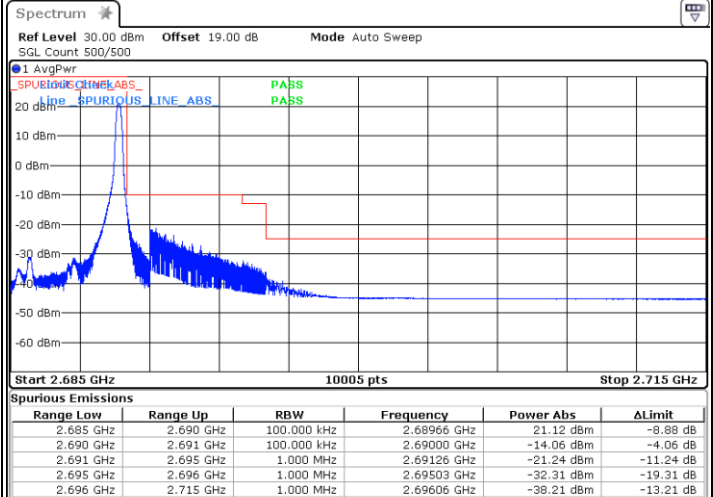
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



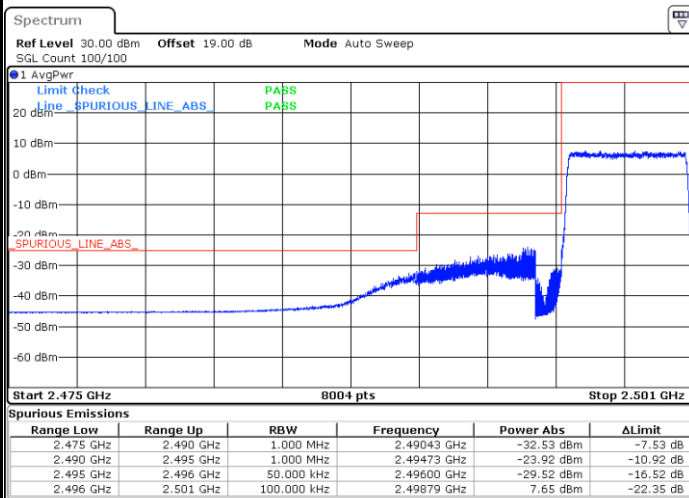
Date: 2 JAN 2025 16:49:01

Highest Band Edge / 1 RB



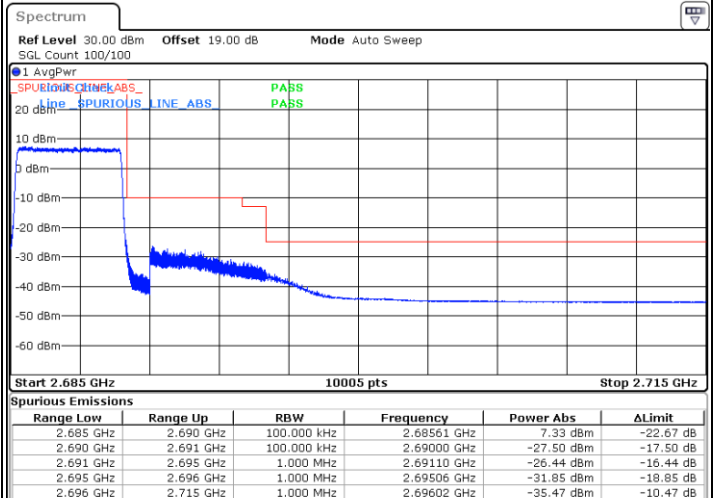
Date: 5 JAN 2025 16:47:03

Lowest Band Edge / Full RB



Date: 2 JAN 2025 16:53:16

Highest Band Edge / Full RB

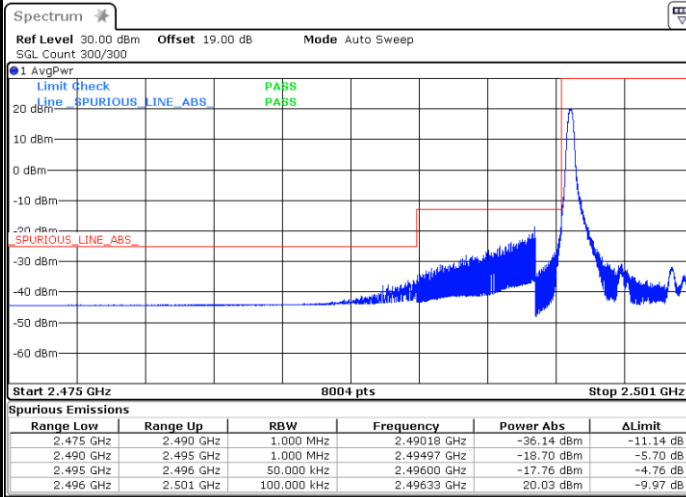


Date: 5 JAN 2025 16:48:22



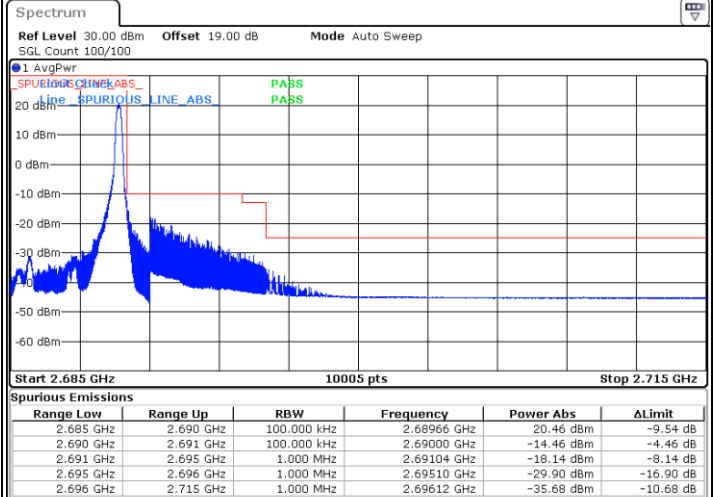
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



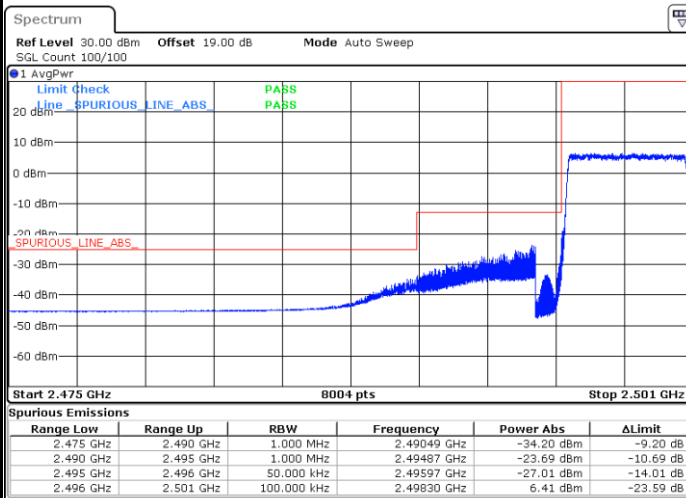
Date: 5.JAN.2025 16:26:59

Highest Band Edge / 1 RB



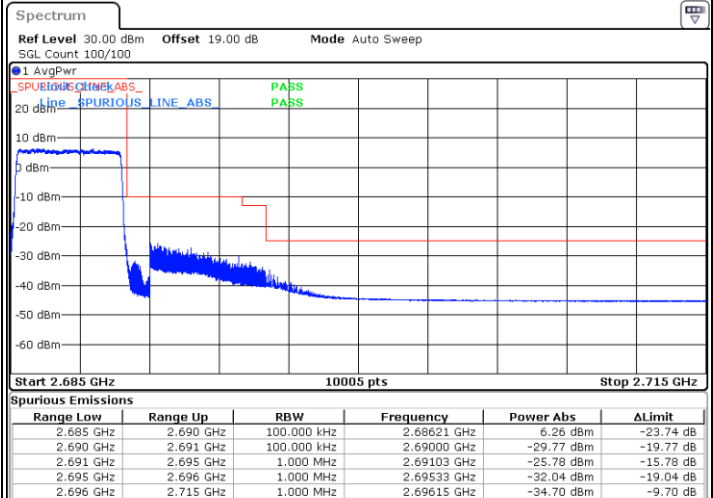
Date: 5.JAN.2025 16:33:37

Lowest Band Edge / Full RB



Date: 2.JAN.2025 16:52:25

Highest Band Edge / Full RB

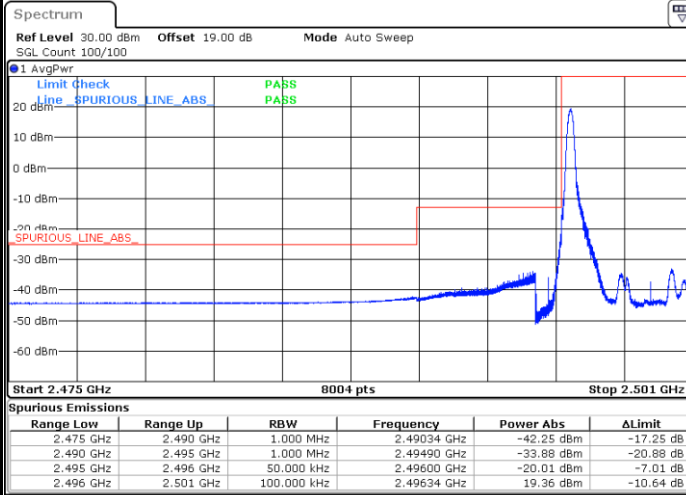


Date: 5.JAN.2025 16:49:32



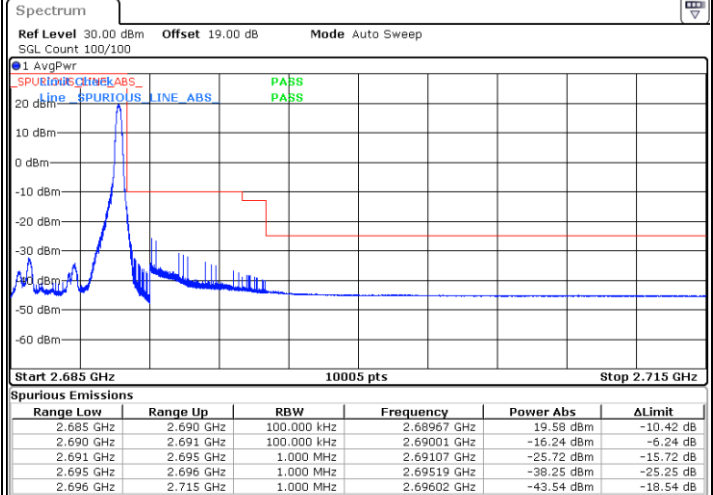
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



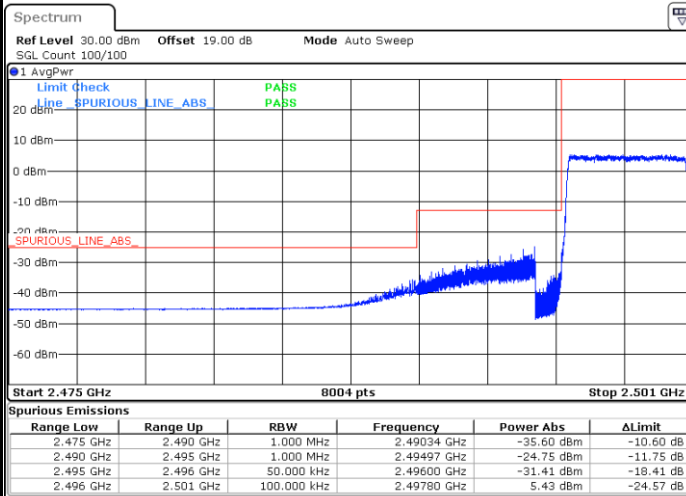
Date: 5.JAN.2025 16:31:09

Highest Band Edge / 1 RB



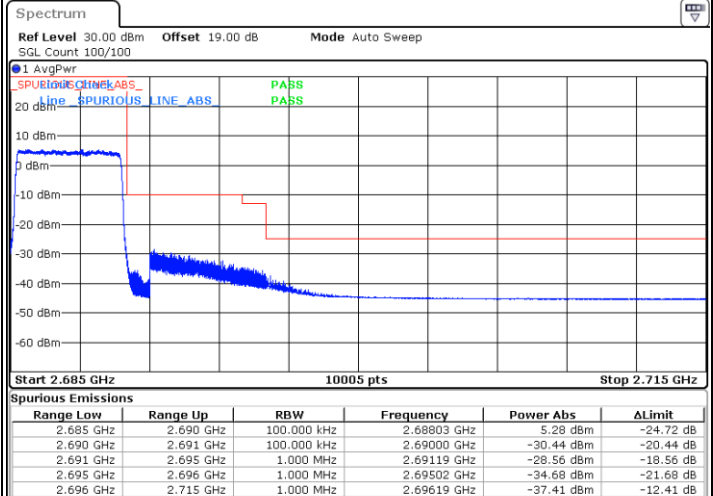
Date: 5.JAN.2025 16:32:25

Lowest Band Edge / Full RB



Date: 2.JAN.2025 16:51:34

Highest Band Edge / Full RB

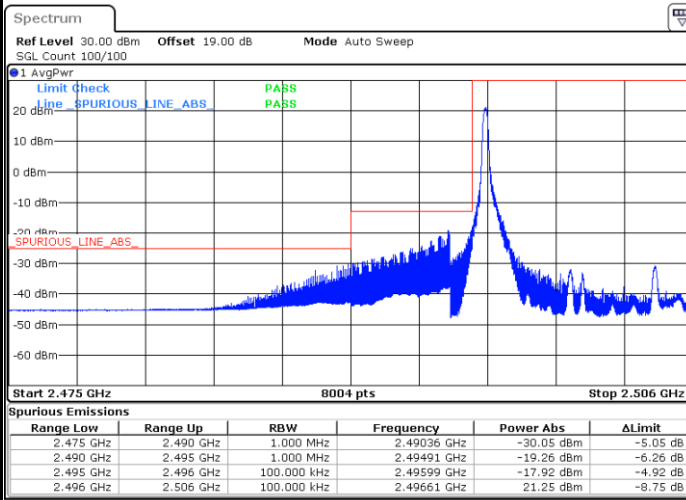


Date: 5.JAN.2025 16:51:49

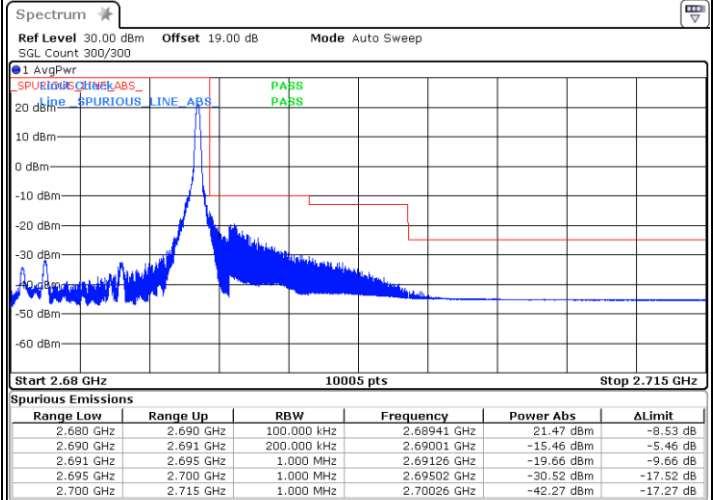


LTE Band 41 / 10MHz / QPSK

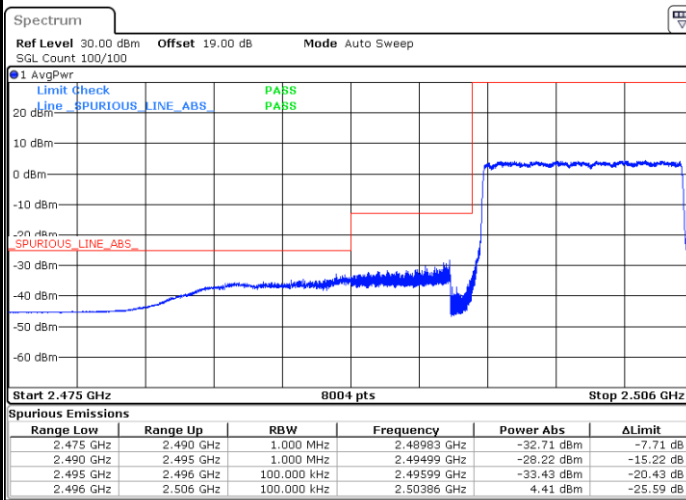
Lowest Band Edge / 1 RB



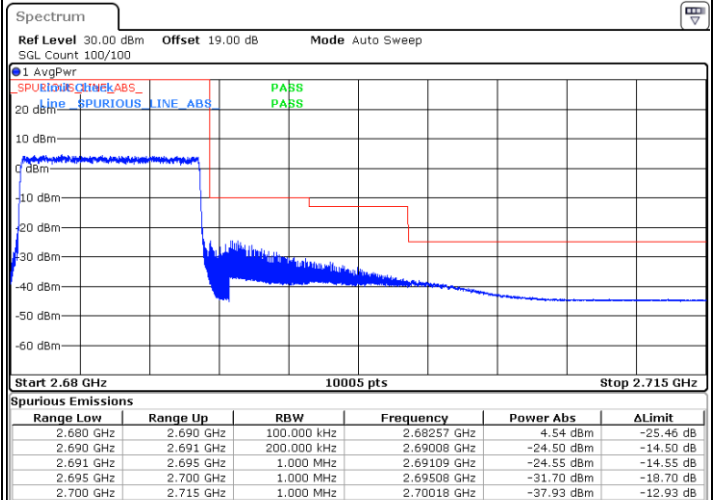
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



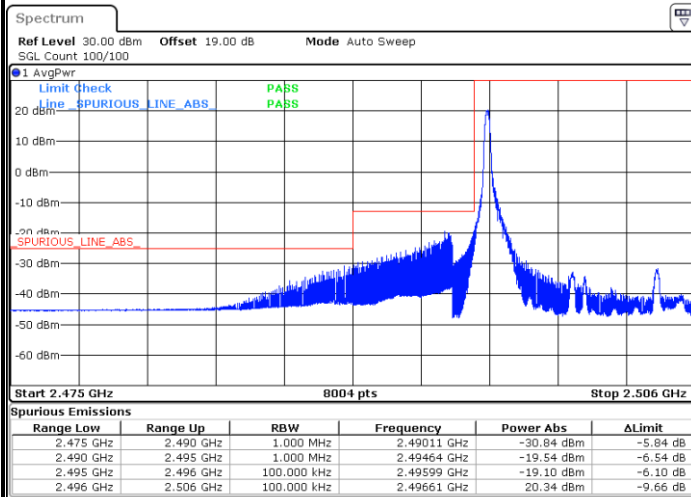
Highest Band Edge / Full RB





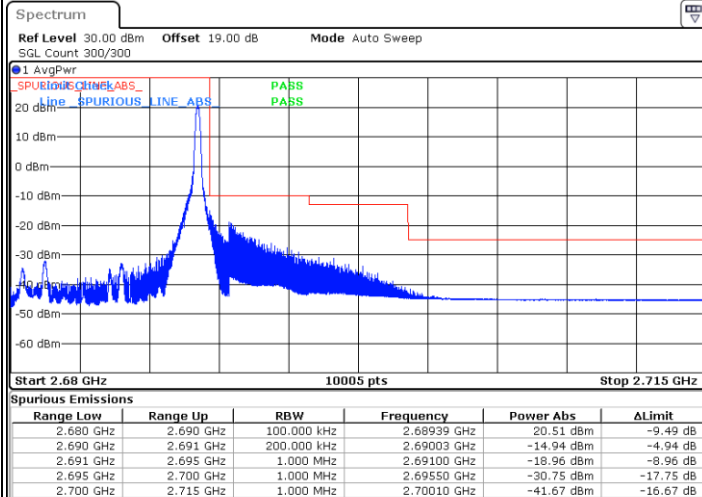
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1RB



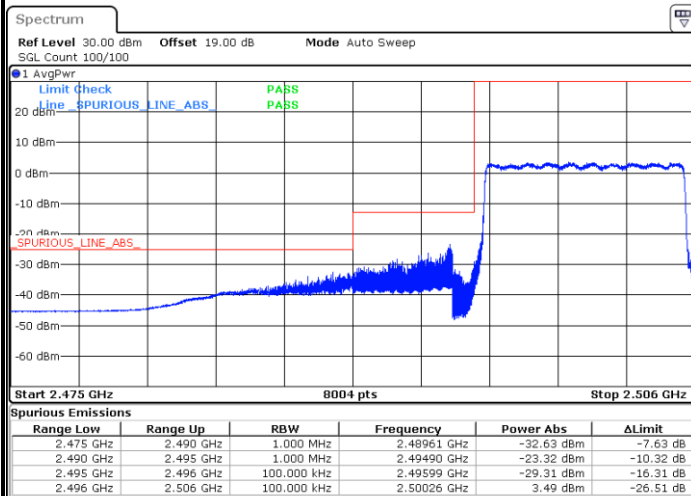
Date: 2.JAN.2025 17:01:56

Highest Band Edge / 1 RB



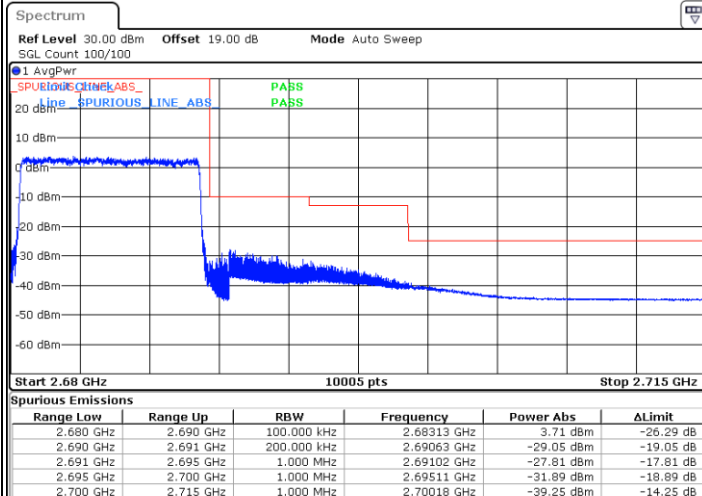
Date: 5.JAN.2025 17:01:10

Lowest Band Edge / Full RB



Date: 2.JAN.2025 17:04:28

Highest Band Edge / Full RB

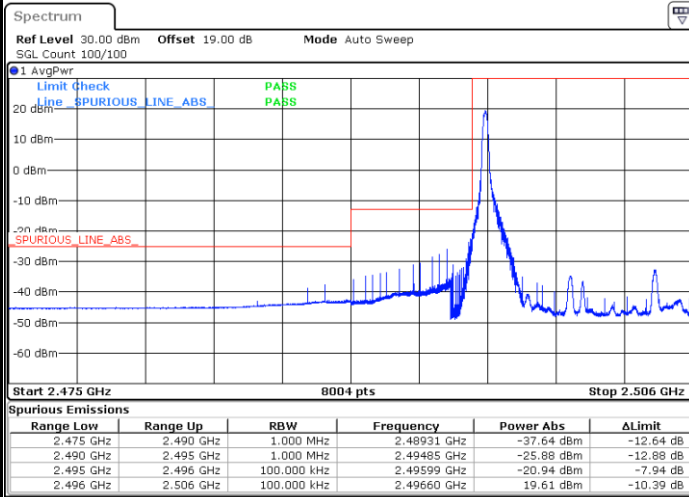


Date: 2.JAN.2025 17:12:57



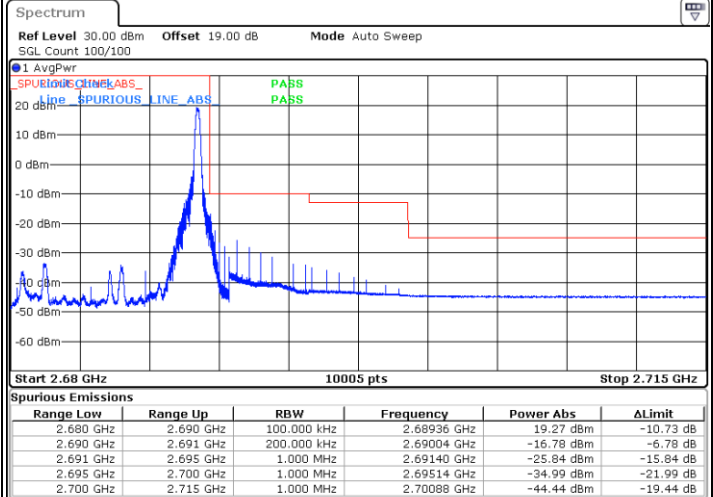
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1RB



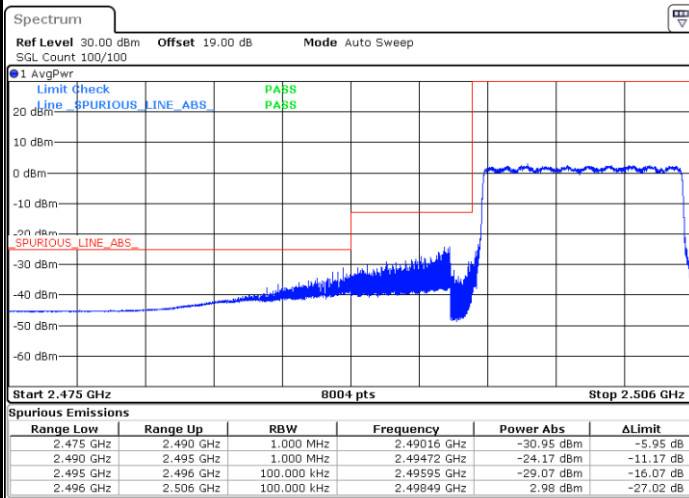
Date: 2 JAN 2025 17:02:46

Highest Band Edge / 1 RB



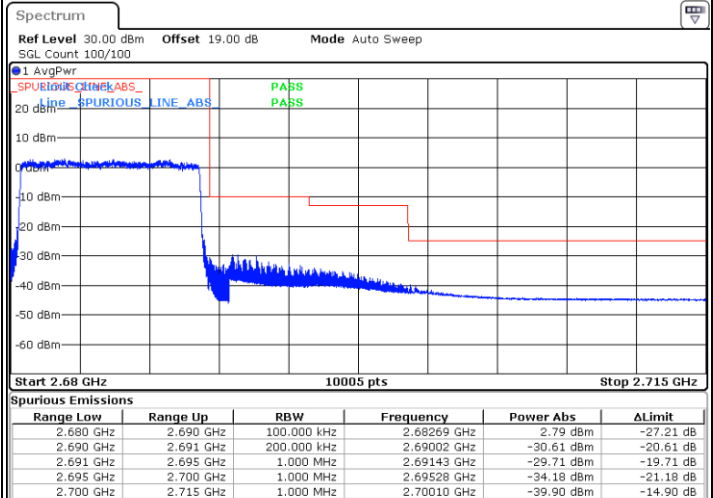
Date: 2 JAN 2025 17:11:16

Lowest Band Edge / Full RB



Date: 2 JAN 2025 17:03:37

Highest Band Edge / Full RB

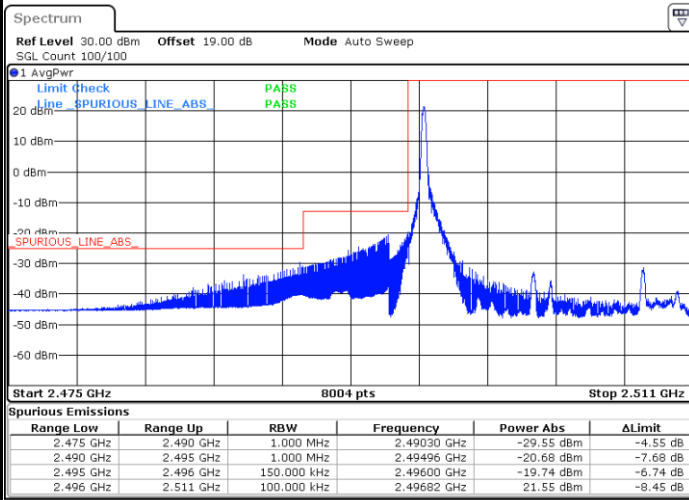


Date: 2 JAN 2025 17:12:07

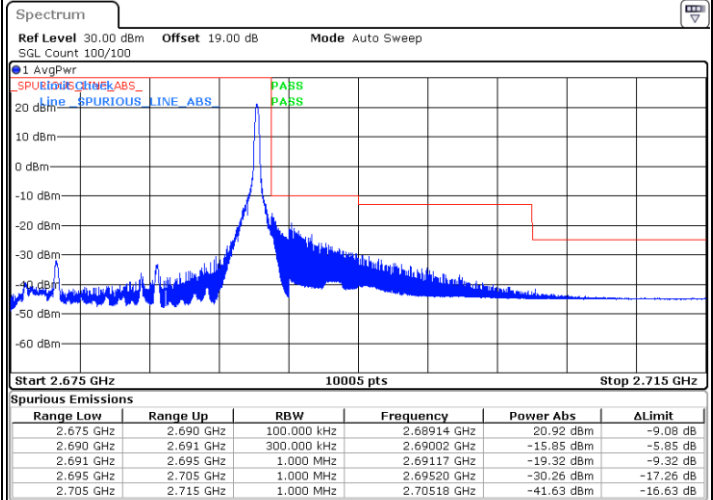


LTE Band 41 / 15MHz / QPSK

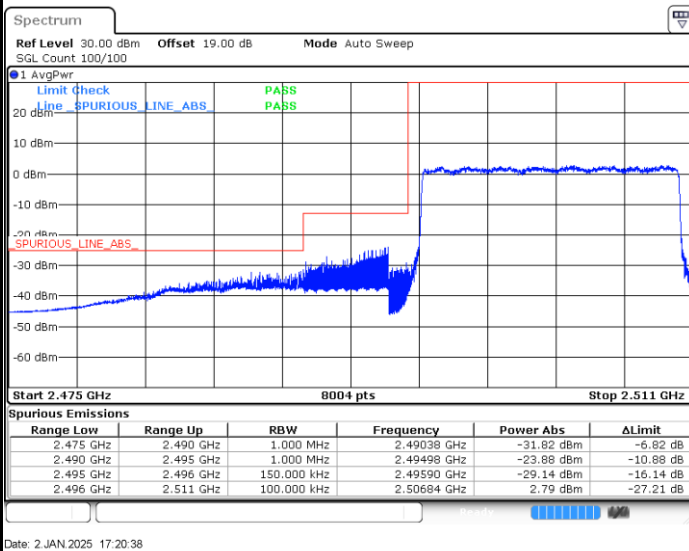
Lowest Band Edge / 1 RB



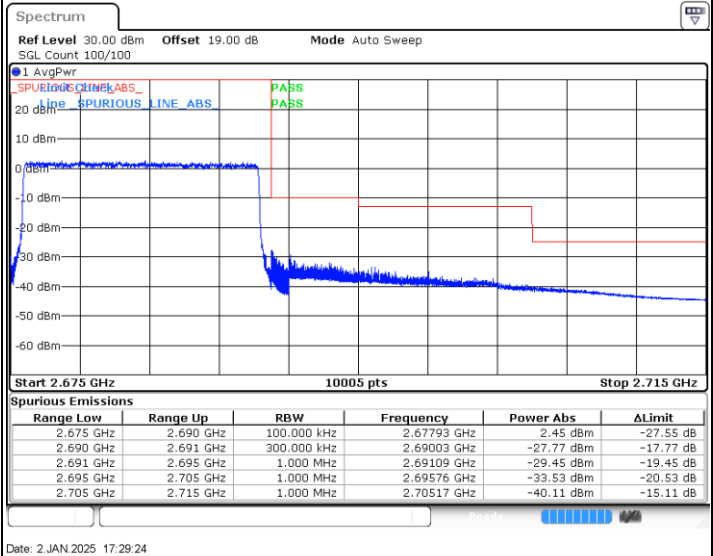
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



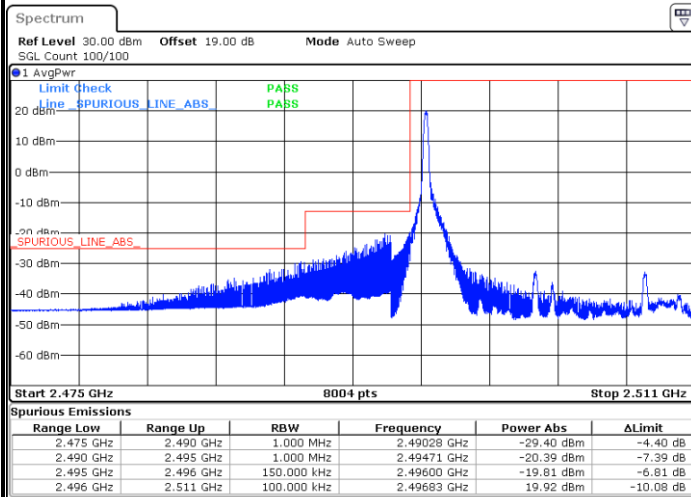
Highest Band Edge / Full RB





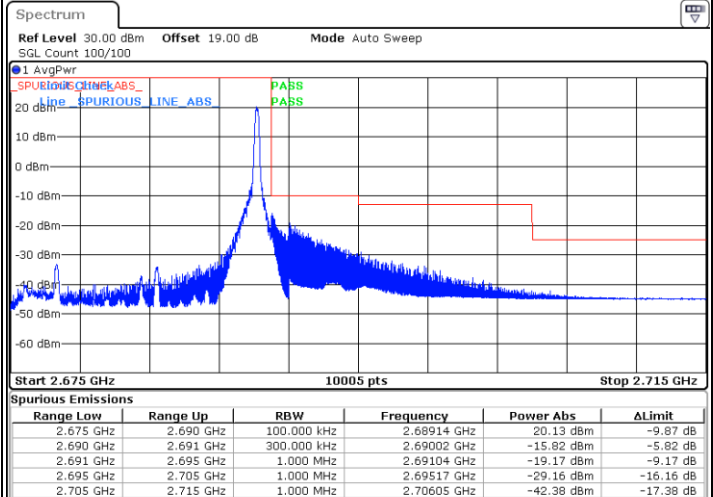
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1RB



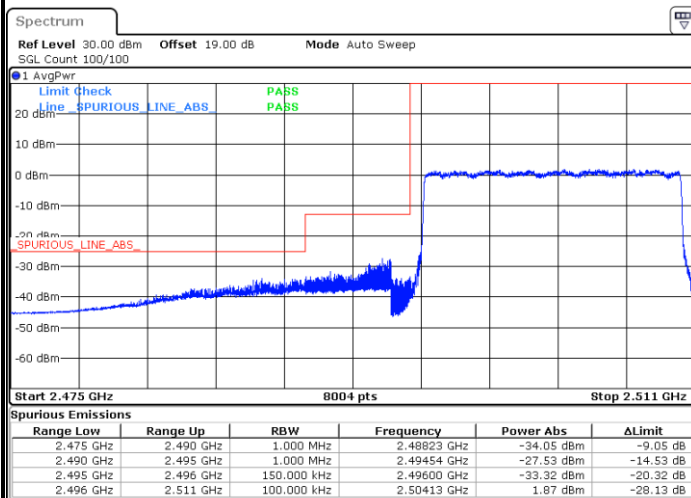
Date: 2 JAN 2025 17:17:16

Highest Band Edge / 1 RB



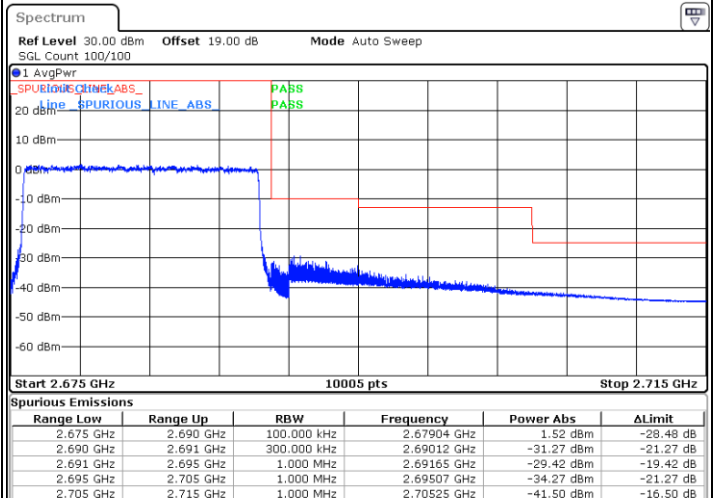
Date: 2 JAN 2025 17:25:51

Lowest Band Edge / Full RB



Date: 2 JAN 2025 17:19:47

Highest Band Edge / Full RB

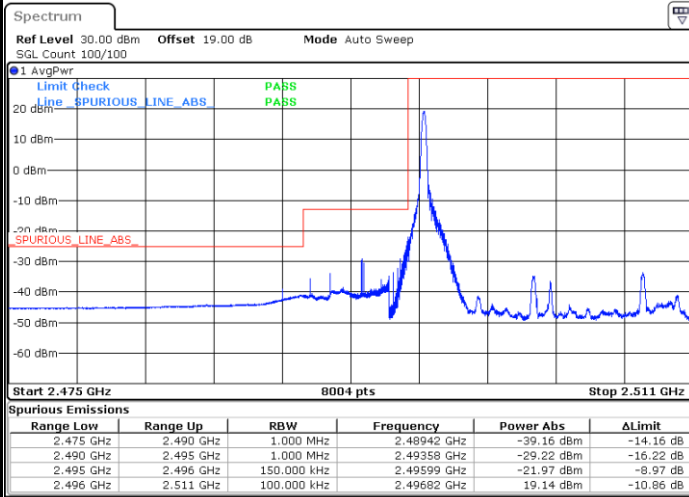


Date: 2 JAN 2025 17:28:31



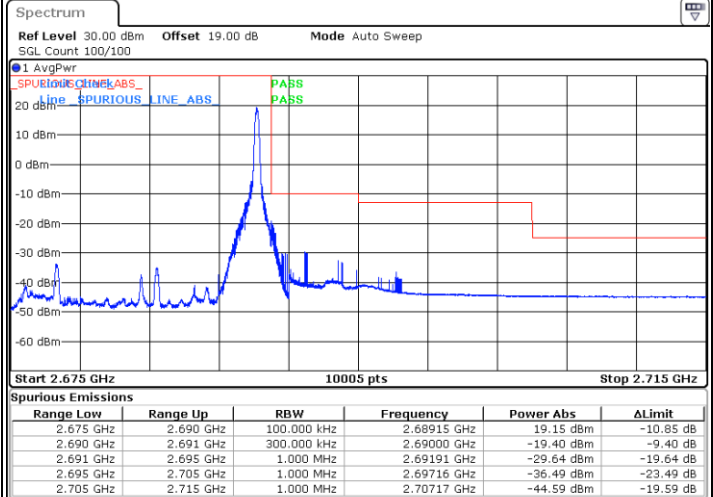
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1RB



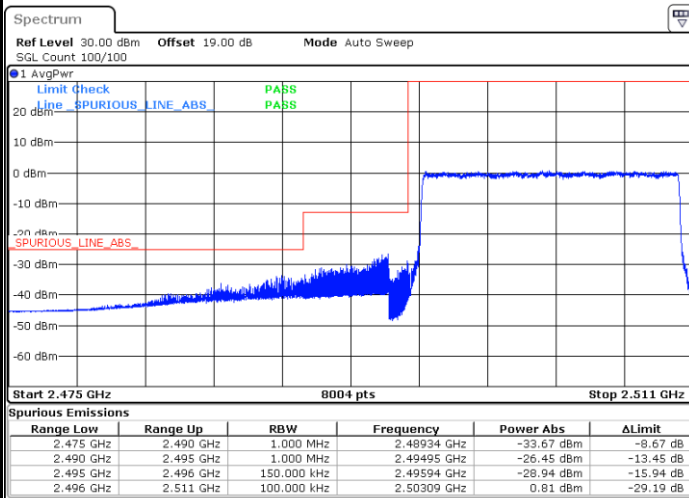
Date: 2 JAN 2025 17:18:06

Highest Band Edge / 1 RB



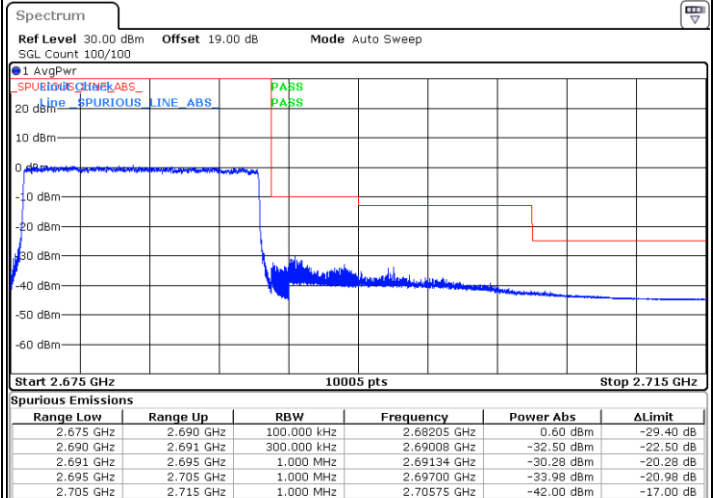
Date: 2 JAN 2025 17:26:44

Lowest Band Edge / Full RB



Date: 2 JAN 2025 17:18:57

Highest Band Edge / Full RB

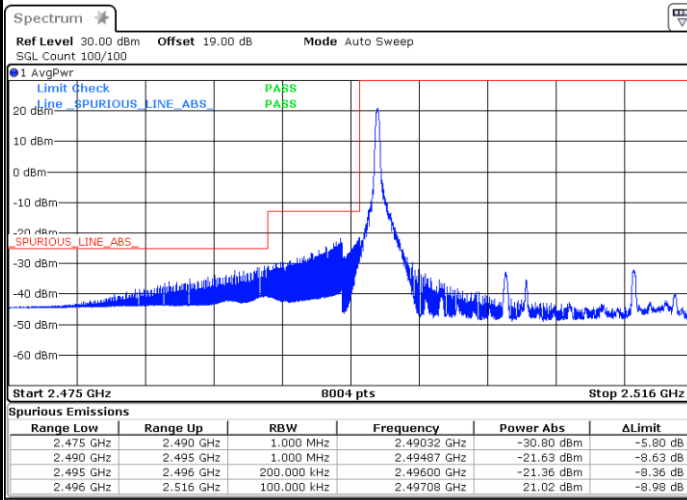


Date: 2 JAN 2025 17:27:37

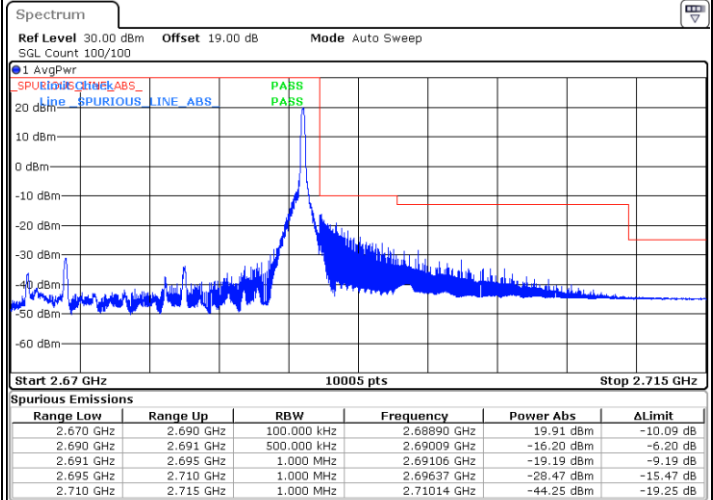


LTE Band 41 / 20MHz / QPSK

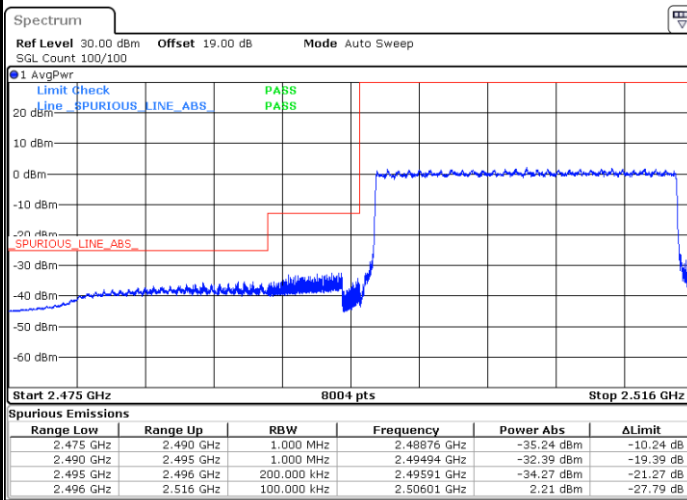
Lowest Band Edge / 1 RB



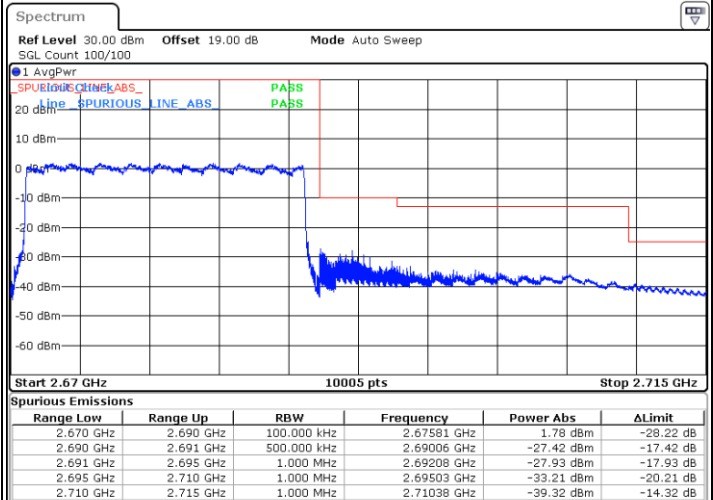
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



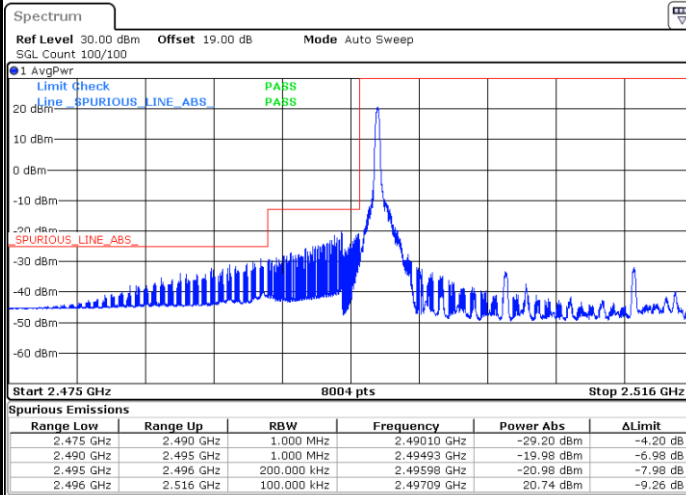
Highest Band Edge / Full RB





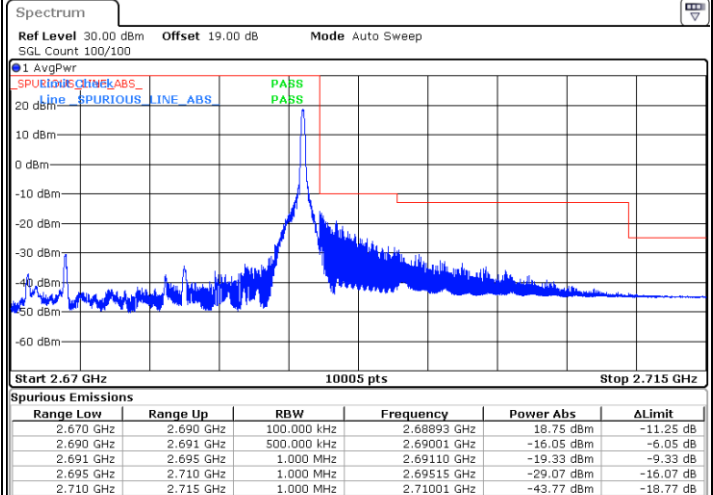
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1RB



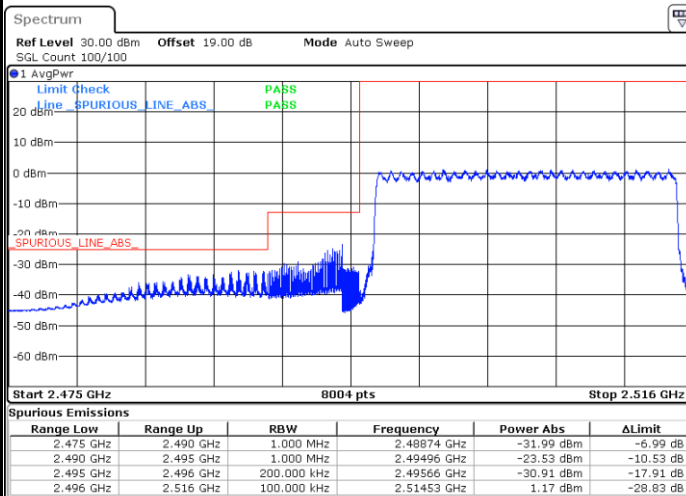
Date: 2 JAN 2025 17:32:52

Highest Band Edge / 1 RB



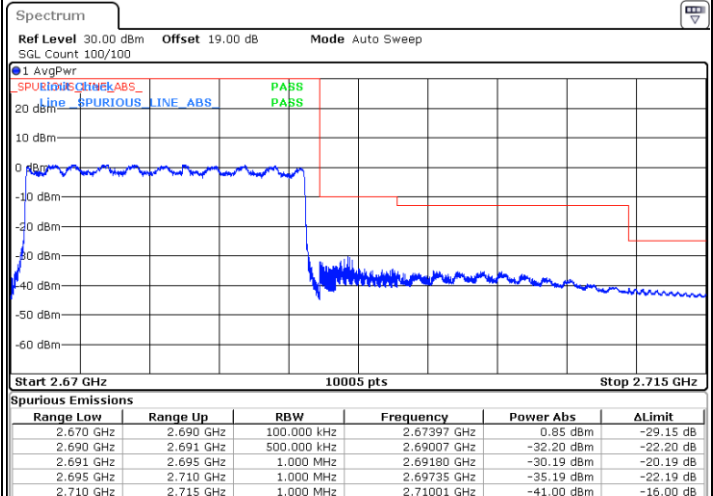
Date: 2 JAN 2025 17:42:48

Lowest Band Edge / Full RB



Date: 2 JAN 2025 17:35:23

Highest Band Edge / Full RB

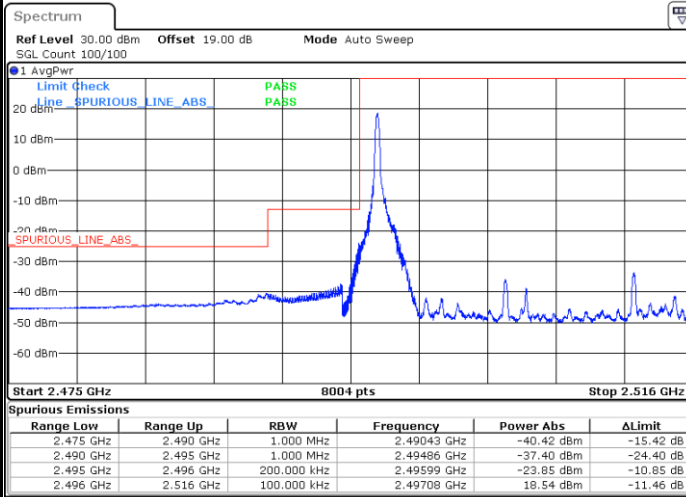


Date: 2 JAN 2025 17:45:29



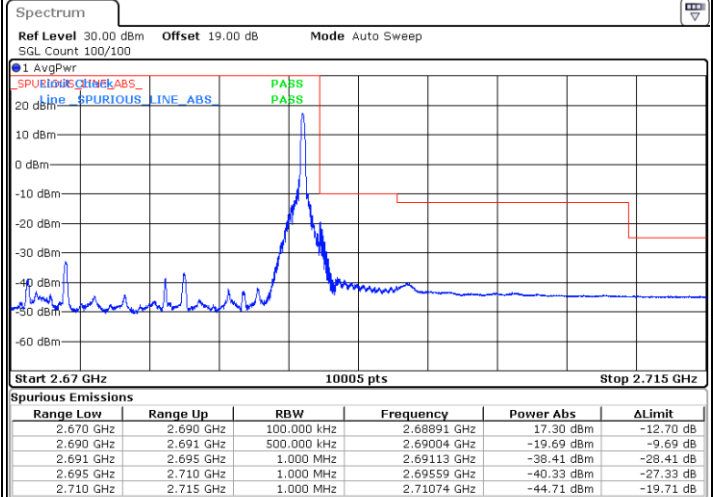
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1RB



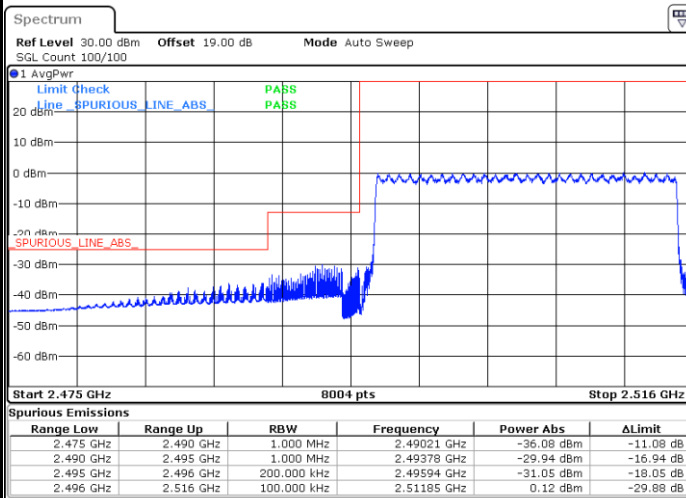
Date: 2 JAN 2025 17:33:42

Highest Band Edge / 1 RB



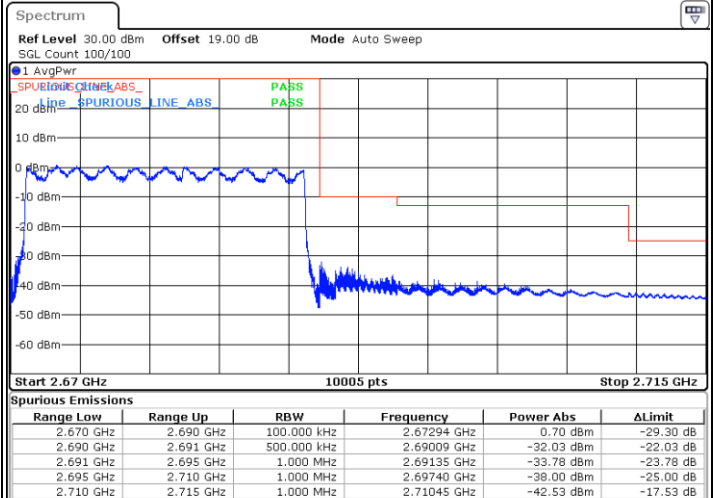
Date: 2 JAN 2025 17:43:42

Lowest Band Edge / Full RB



Date: 2 JAN 2025 17:34:33

Highest Band Edge / Full RB



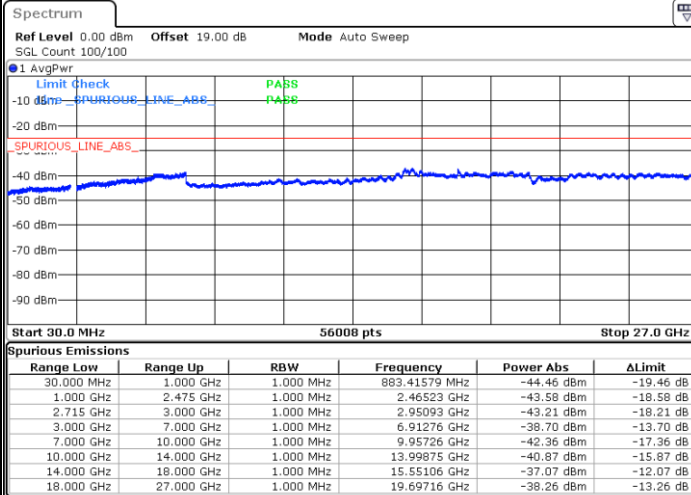
Date: 2 JAN 2025 17:44:35



Conducted Spurious Emission

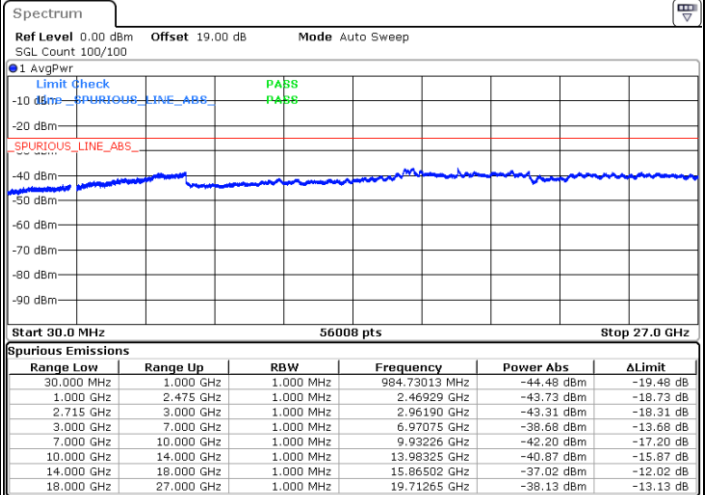
LTE Band 41 / 5MHz

Lowest Channel / QPSK



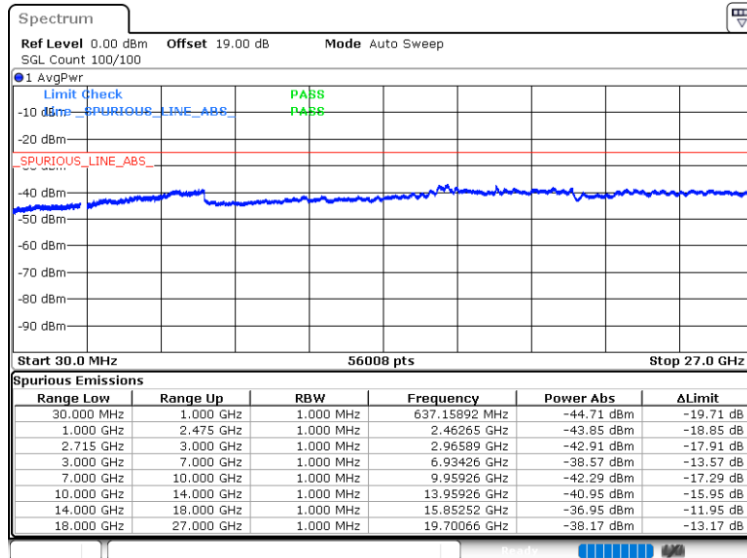
Date: 5.JAN.2025 16:55:47

Middle Channel / QPSK



Date: 5.JAN.2025 16:54:36

Highest Channel / QPSK

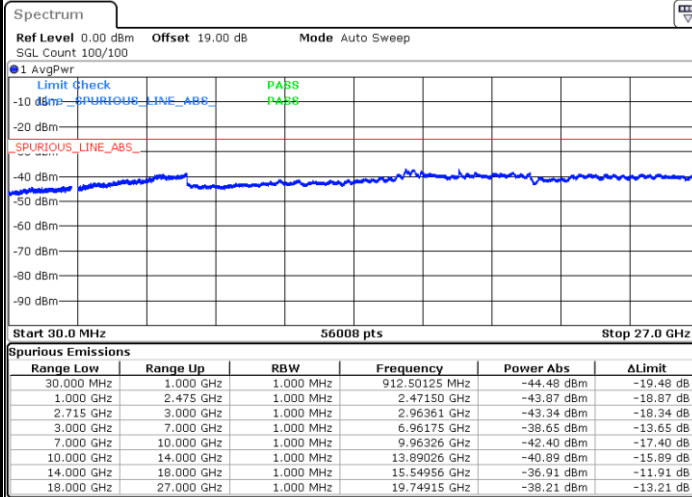


Date: 5.JAN.2025 16:53:18



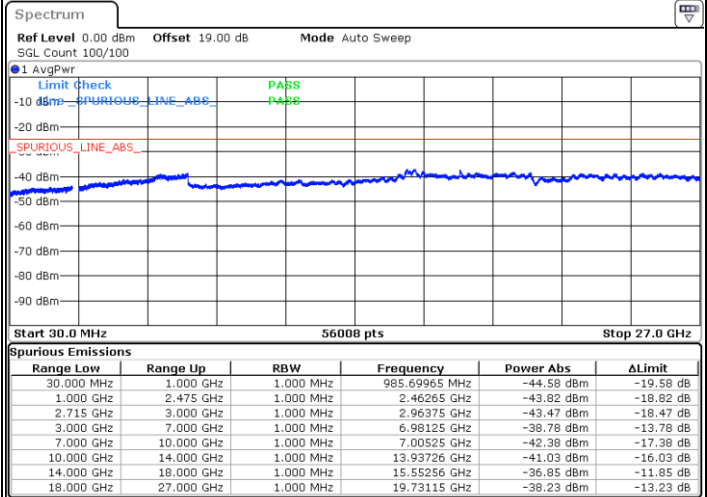
LTE Band 41 / 10MHz

Lowest Channel / QPSK



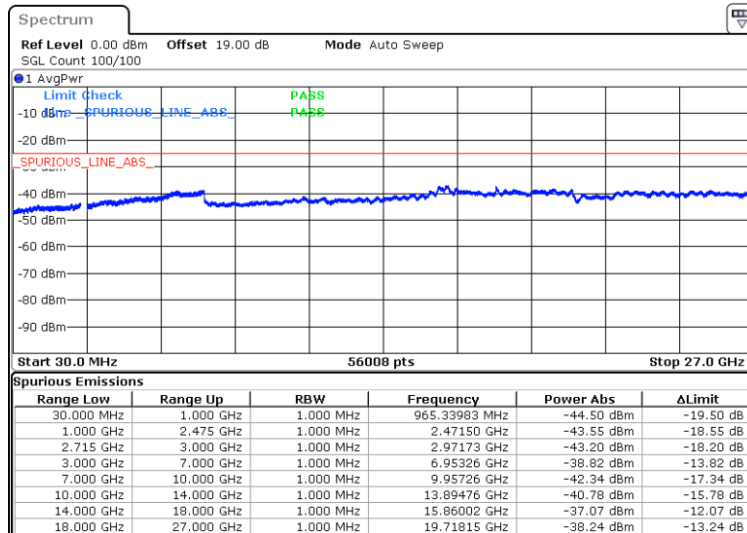
Date: 5.JAN.2025 17:06:23

Middle Channel / QPSK



Date: 5.JAN.2025 17:04:58

Highest Channel / QPSK

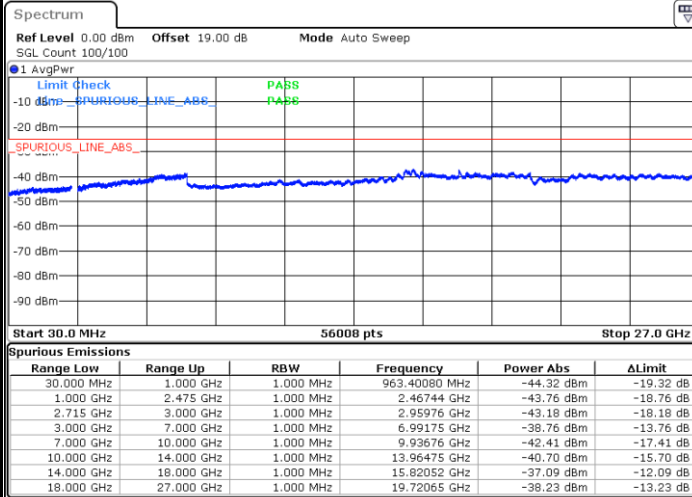


Date: 5.JAN.2025 17:02:30



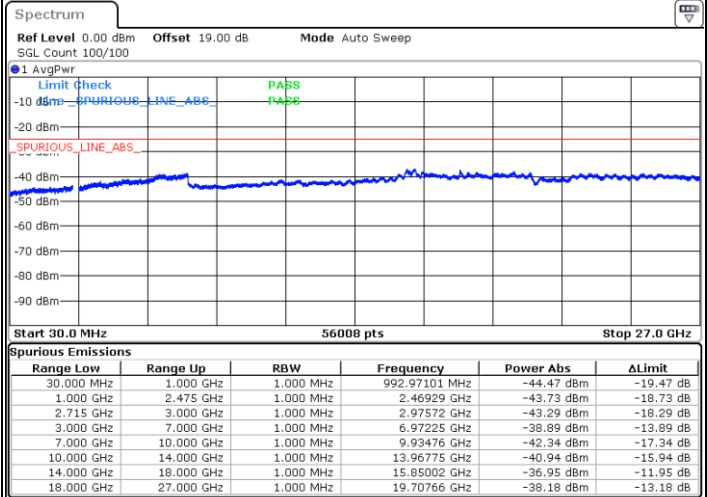
LTE Band 41 / 15MHz

Lowest Channel / QPSK



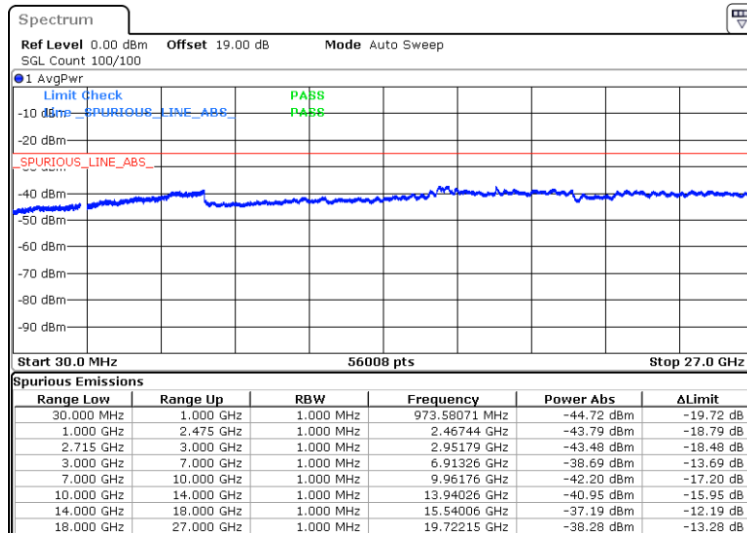
Date: 5.JAN.2025 17:13:54

Middle Channel / QPSK



Date: 5.JAN.2025 17:15:04

Highest Channel / QPSK

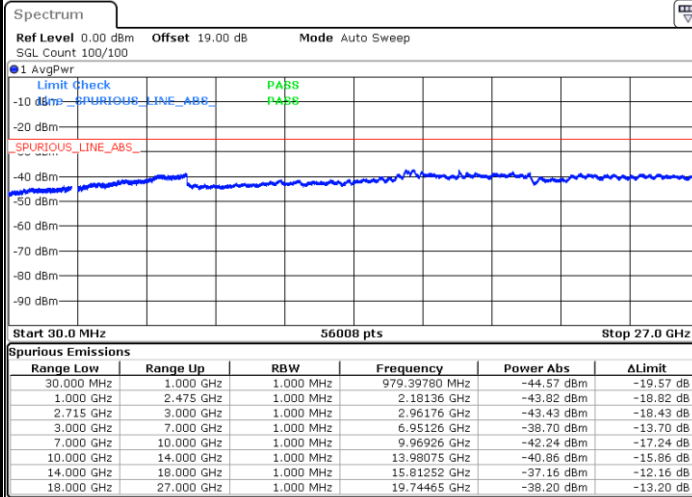


Date: 5.JAN.2025 17:16:50



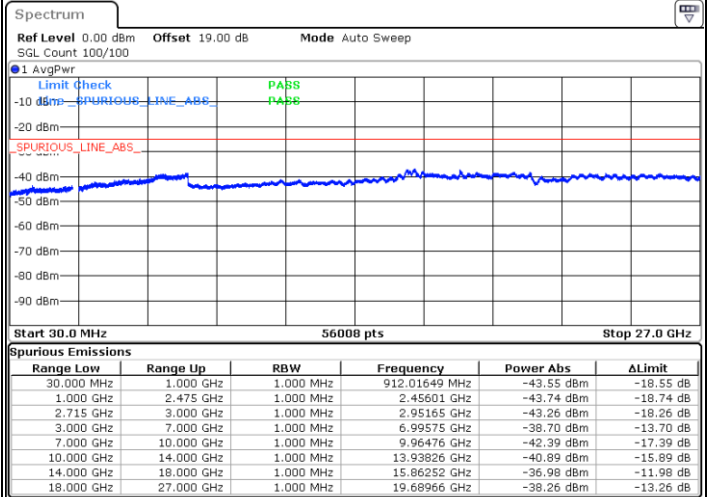
LTE Band 41 / 20MHz

Lowest Channel / QPSK



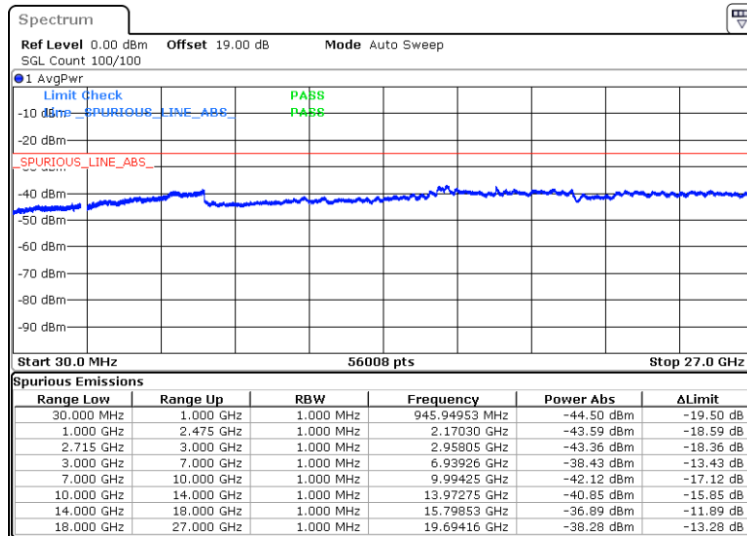
Date: 5.JAN.2025 17:19:55

Middle Channel / QPSK



Date: 5.JAN.2025 17:21:12

Highest Channel / QPSK



Date: 5.JAN.2025 17:23:25

Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0017	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0043	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0035	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0009	

Note:

1. Normal Voltage = 3.89 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41C

26dB Bandwidth

Mode	LTE Band 41C : 26dB BW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.93	25.28	29.97	25.43	30.51
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.83	25.03	30.03	35.04	39.96

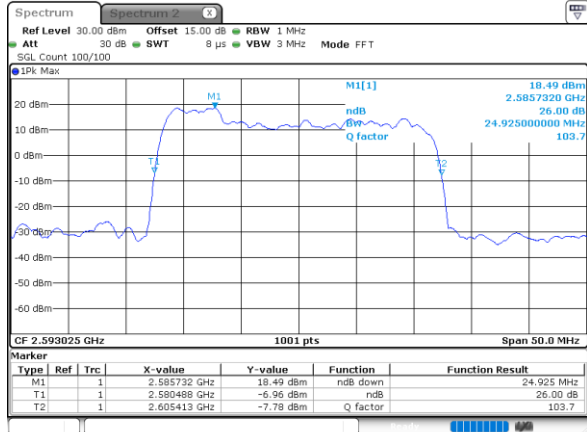
Mode	LTE Band 41C : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.83	25.18	30.03	25.33	30.63
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.97	24.83	29.85	34.76	39.64



LTE Band 41C

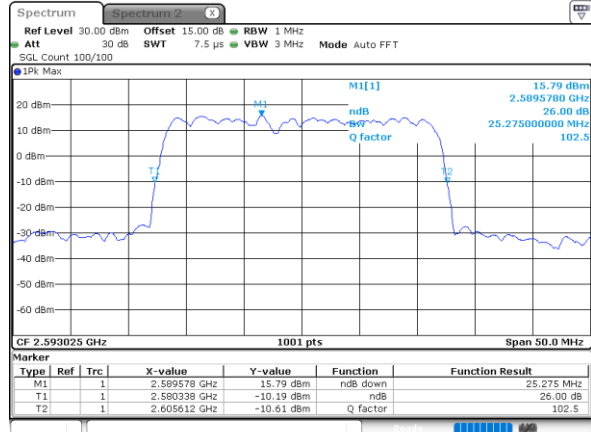
QPSK

Middle Channel / 5MHz+20MHz



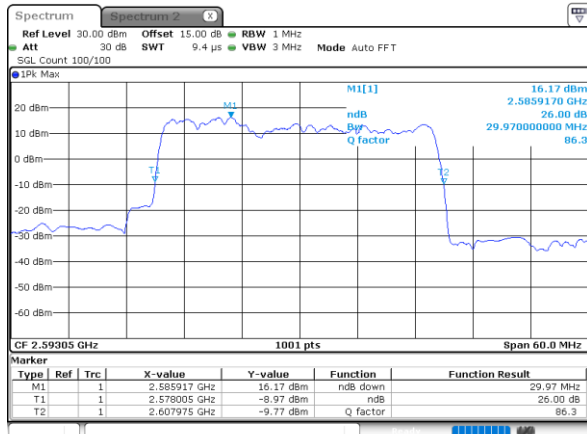
Date: 7.JAN.2025 15:11:23

Middle Channel / 10MHz+15MHz



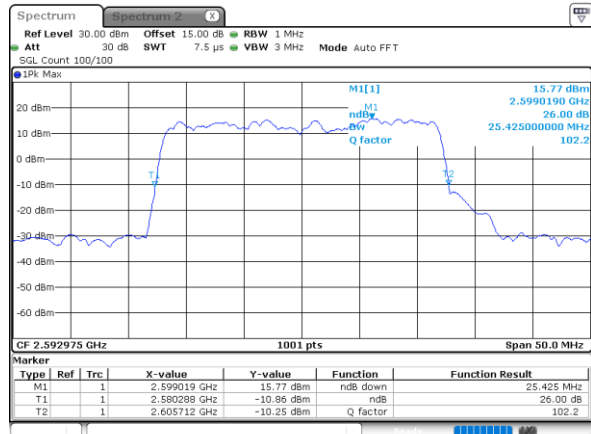
Date: 7.JAN.2025 14:33:14

Middle Channel / 10MHz+20MHz



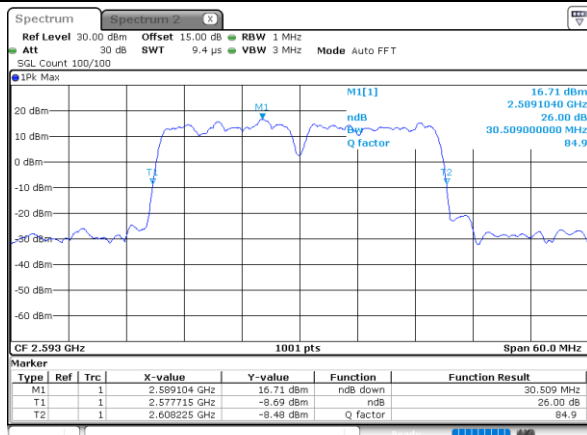
Date: 7.JAN.2025 14:37:26

Middle Channel / 15MHz+10MHz



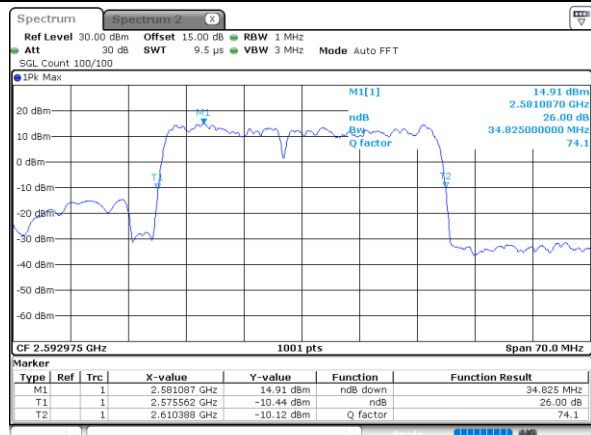
Date: 7.JAN.2025 14:35:22

Middle Channel / 15MHz+15MHz



Date: 7.JAN.2025 14:45:22

Middle Channel / 15MHz+20MHz



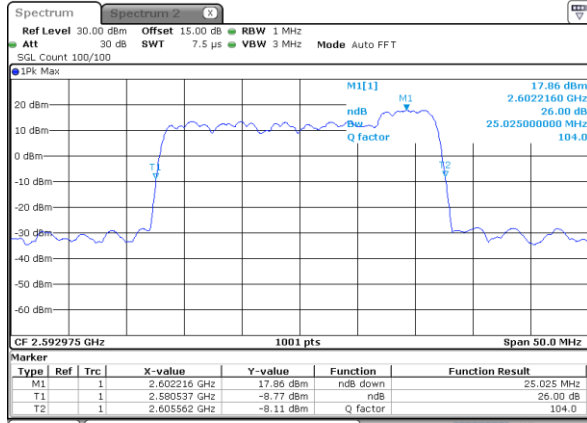
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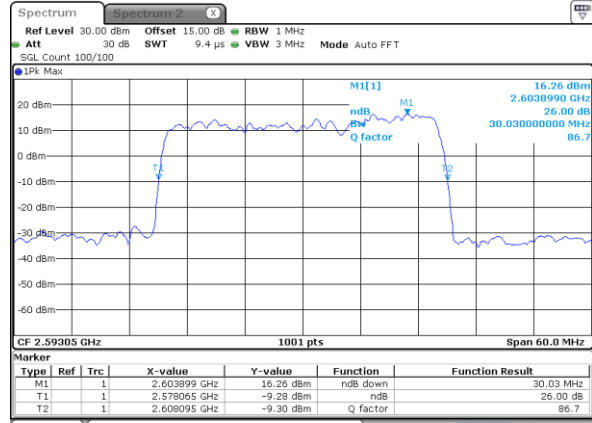
LTE Band 41C

QPSK

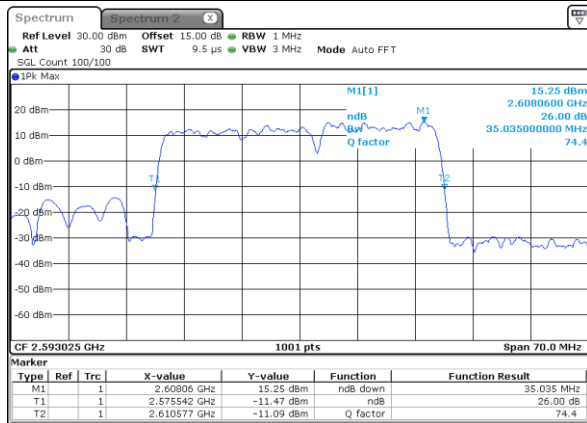
Middle Channel / 20MHz+5MHz



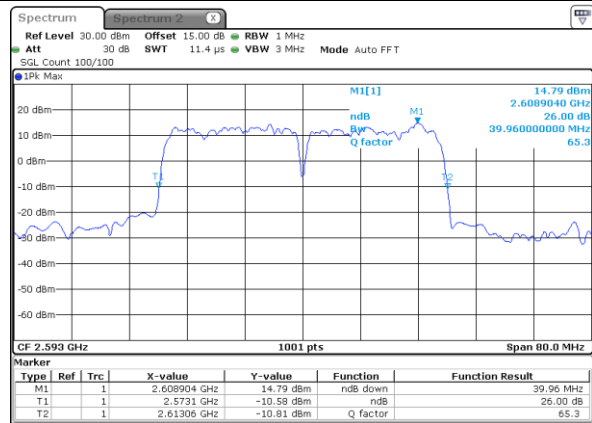
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz

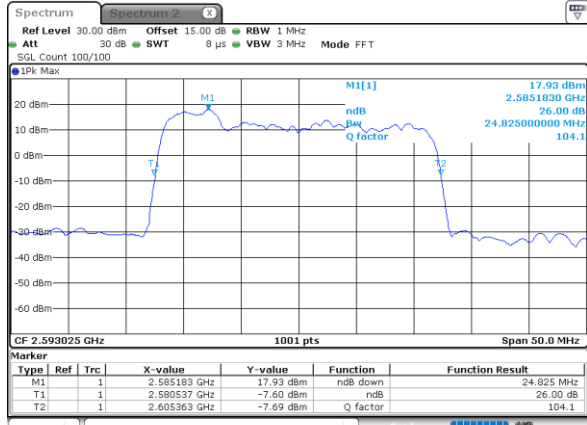




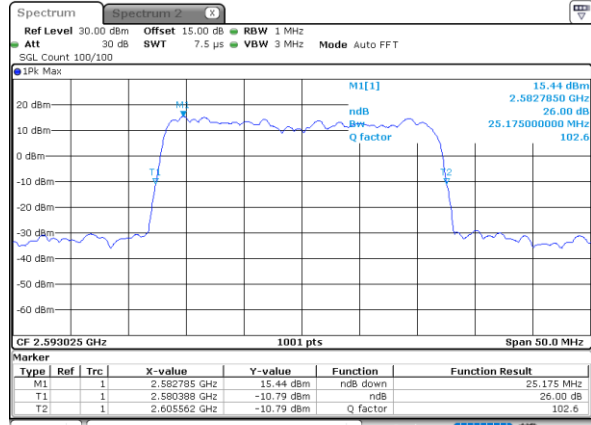
LTE Band 41C

16QAM

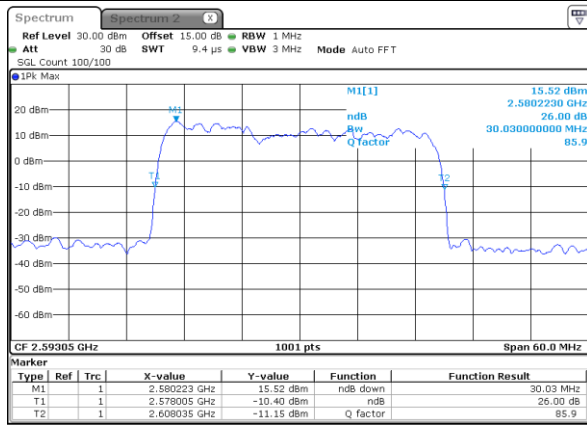
Middle Channel / 5MHz+20MHz



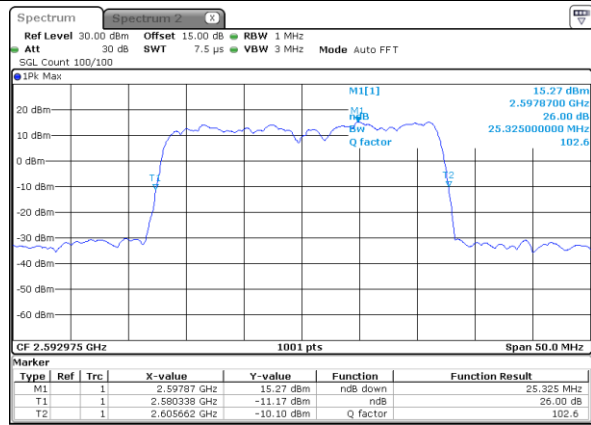
Middle Channel / 10MHz+15MHz



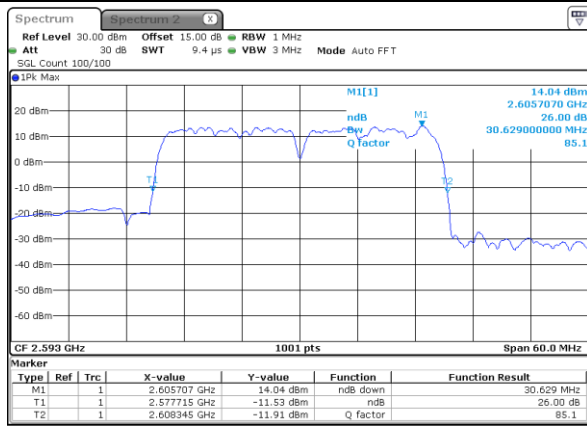
Middle Channel / 10MHz+20MHz



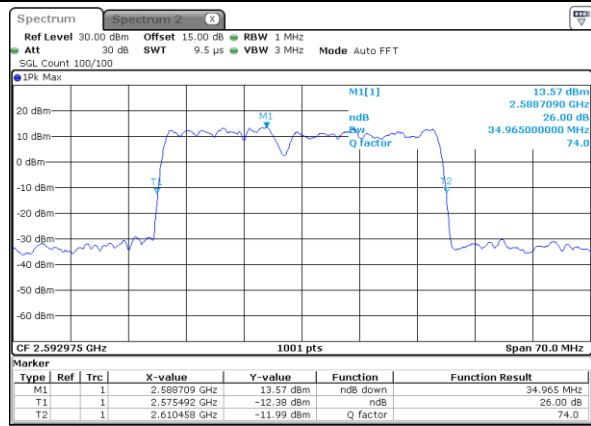
Middle Channel / 15MHz+10MHz



Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz

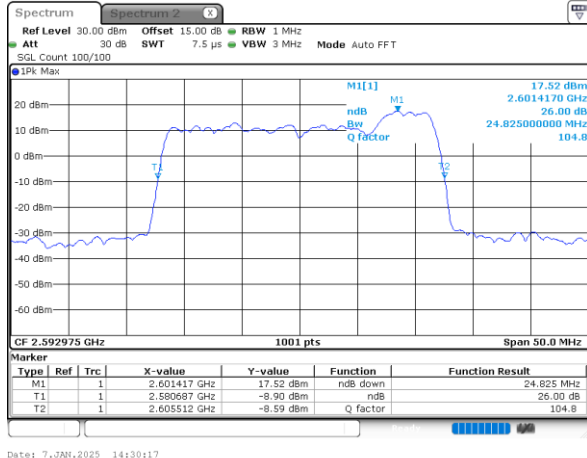




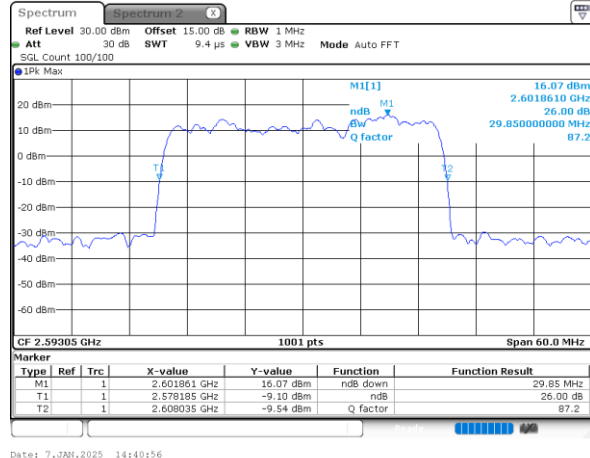
LTE Band 41C

16QAM

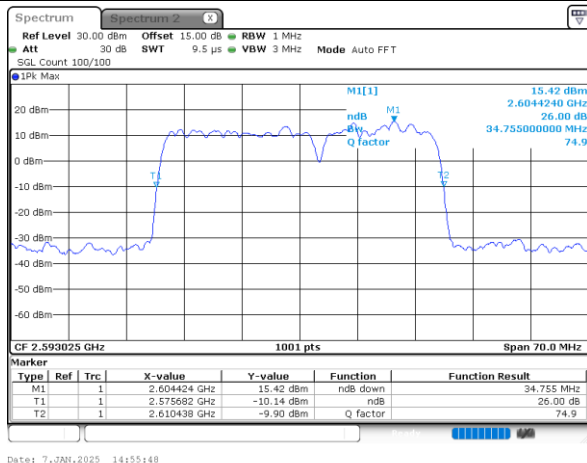
Middle Channel / 20MHz+5MHz



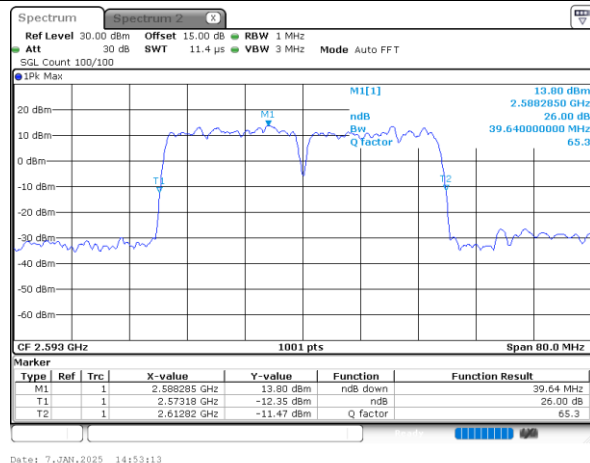
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz



**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	23.68	27.93	23.43	28.59
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	32.73	23.18	28.05	32.73	37.64

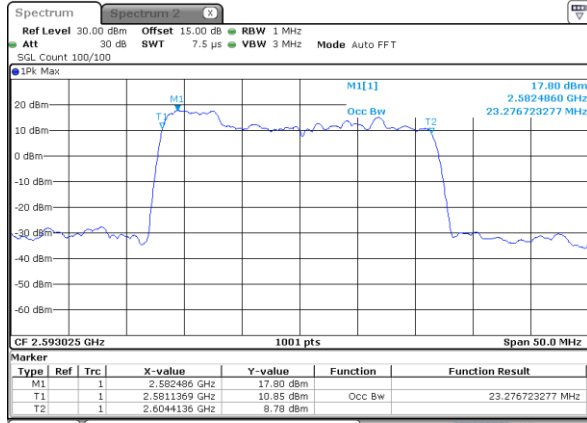
Mode	LTE Band 41C : 99%OBW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	23.33	23.53	27.93	23.58	28.53
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	32.87	23.43	28.17	32.87	37.56



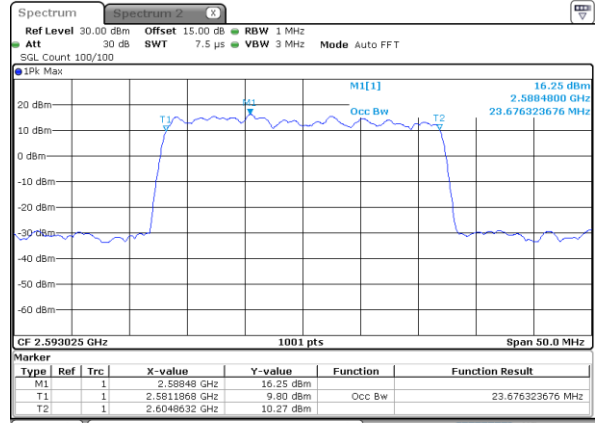
LTE Band 41C

QPSK

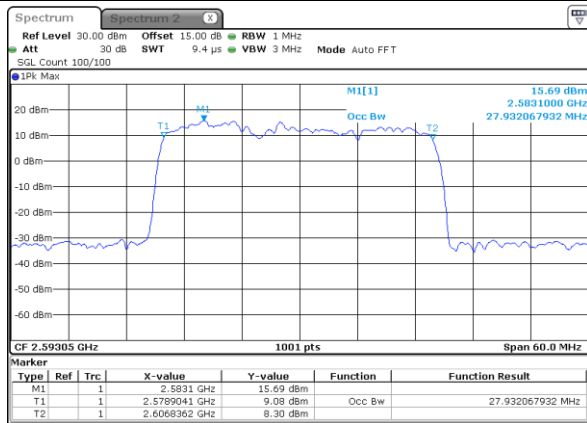
Middle Channel / 5MHz+20MHz



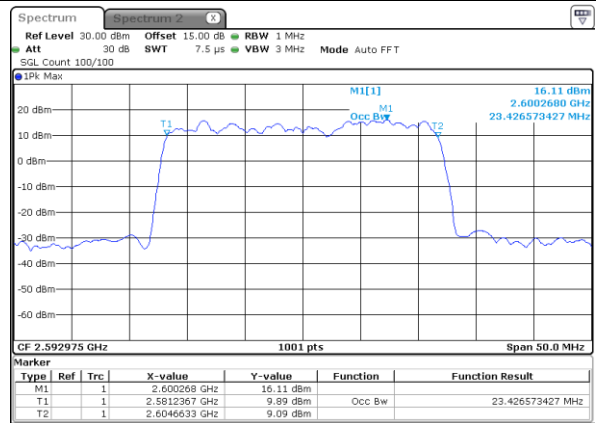
Middle Channel / 10MHz+15MHz



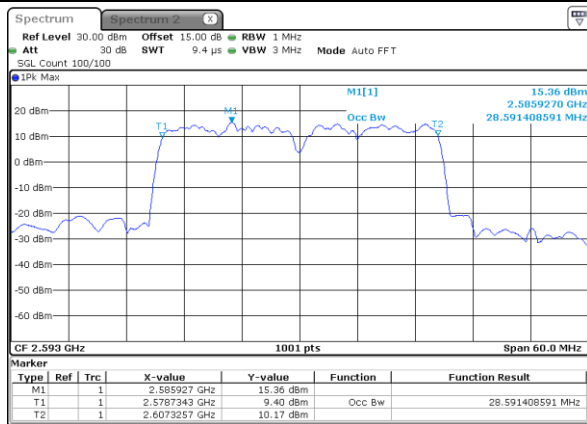
Middle Channel / 10MHz+20MHz



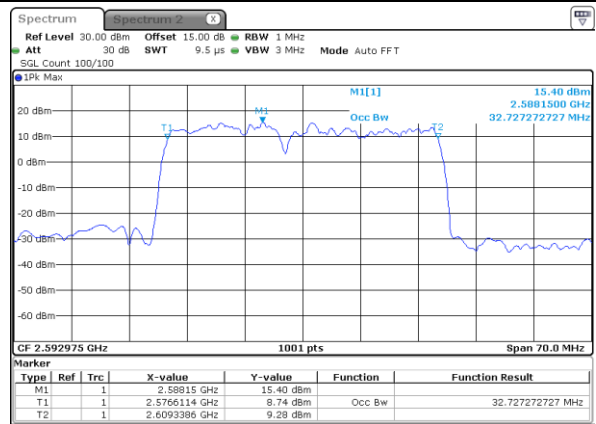
Middle Channel / 15MHz+10MHz



Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz

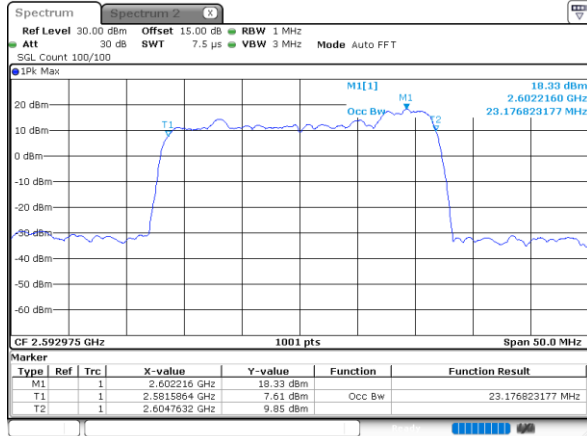




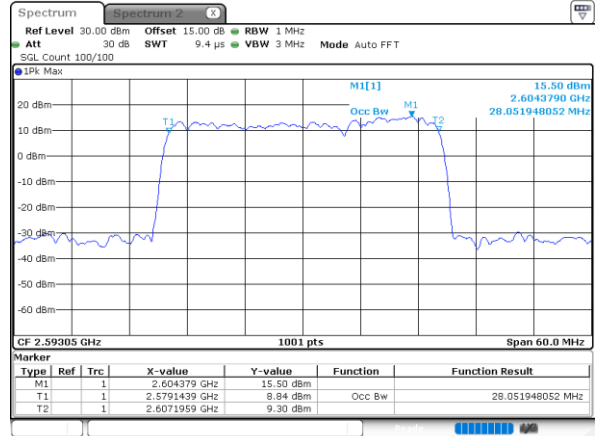
LTE Band 41C

QPSK

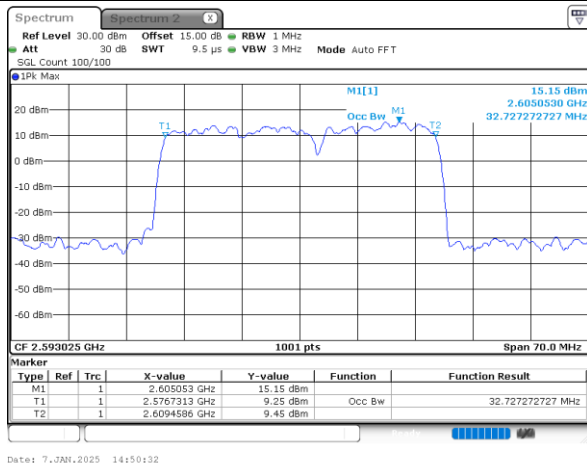
Middle Channel / 20MHz+5MHz



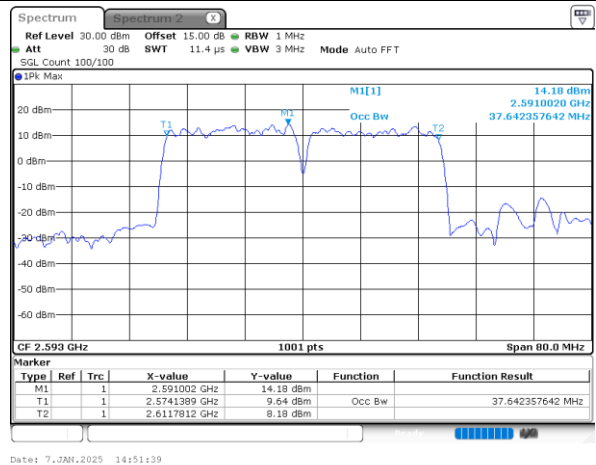
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz

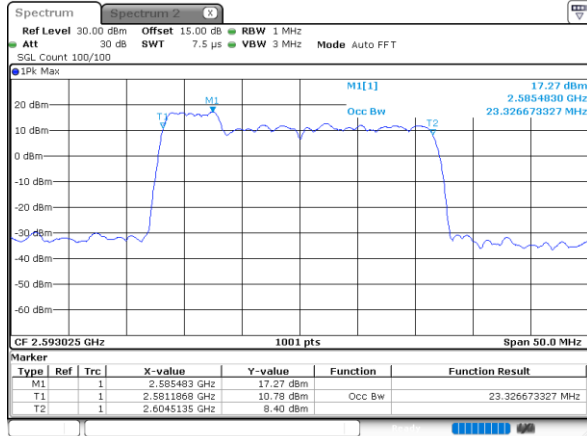




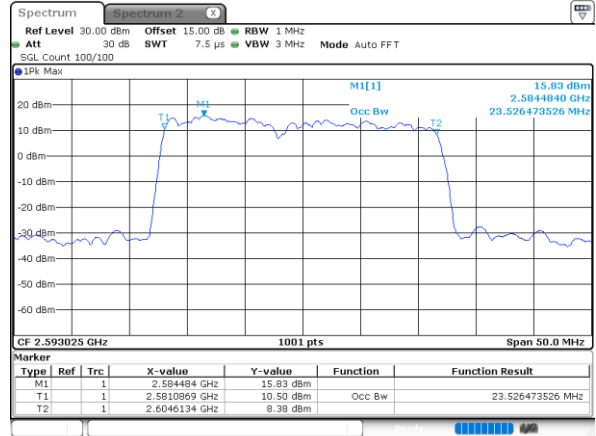
LTE Band 41C

16QAM

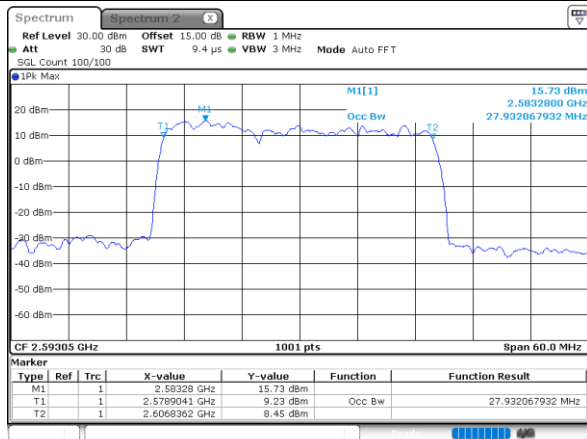
Middle Channel / 5MHz+20MHz



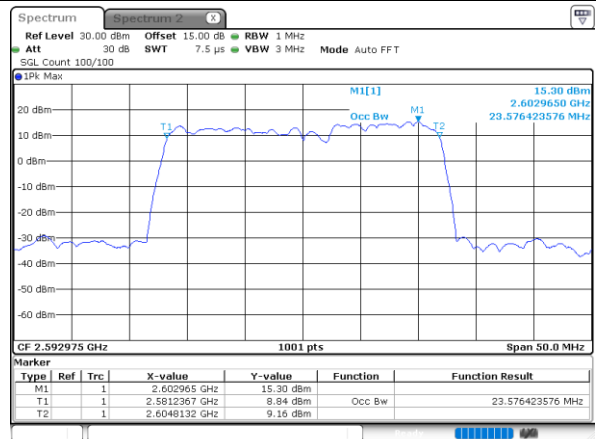
Middle Channel / 10MHz+15MHz



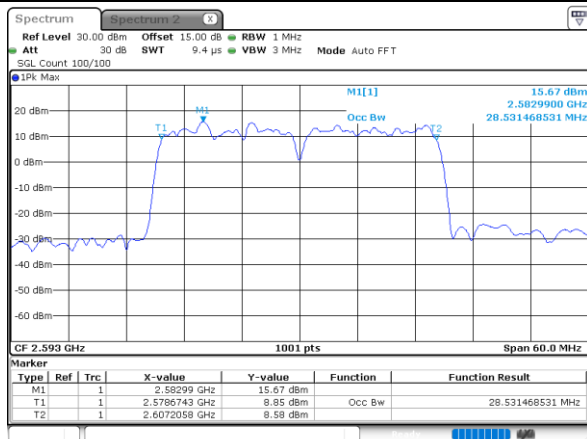
Middle Channel / 10MHz+20MHz



Middle Channel / 15MHz+10MHz



Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz

