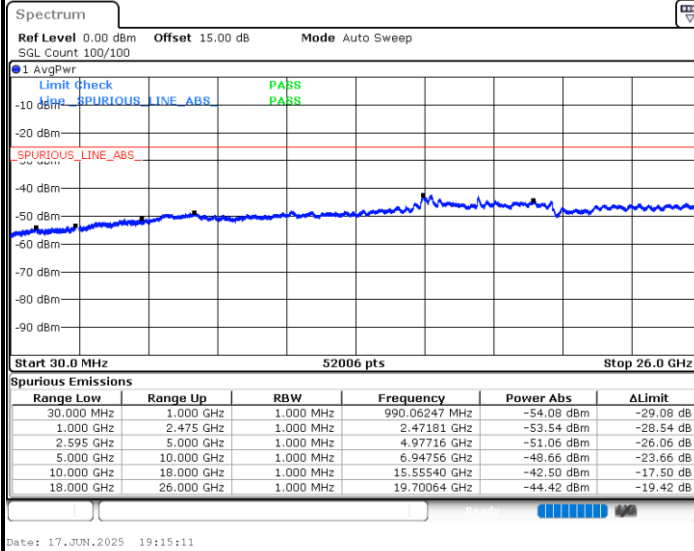


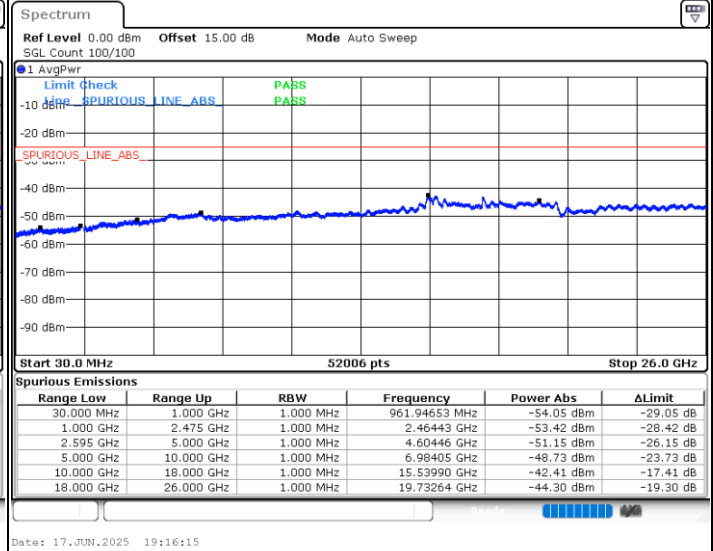


LTE Band 7 / 20MHz

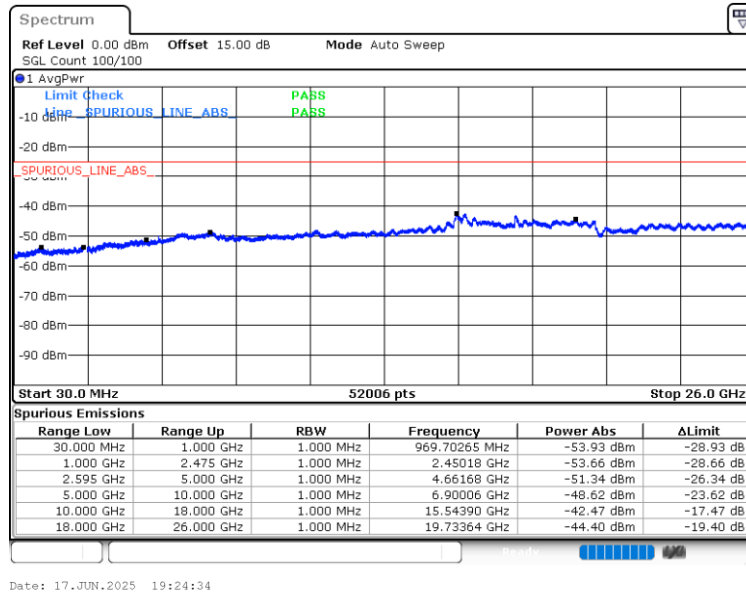
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK



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	0.0001	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

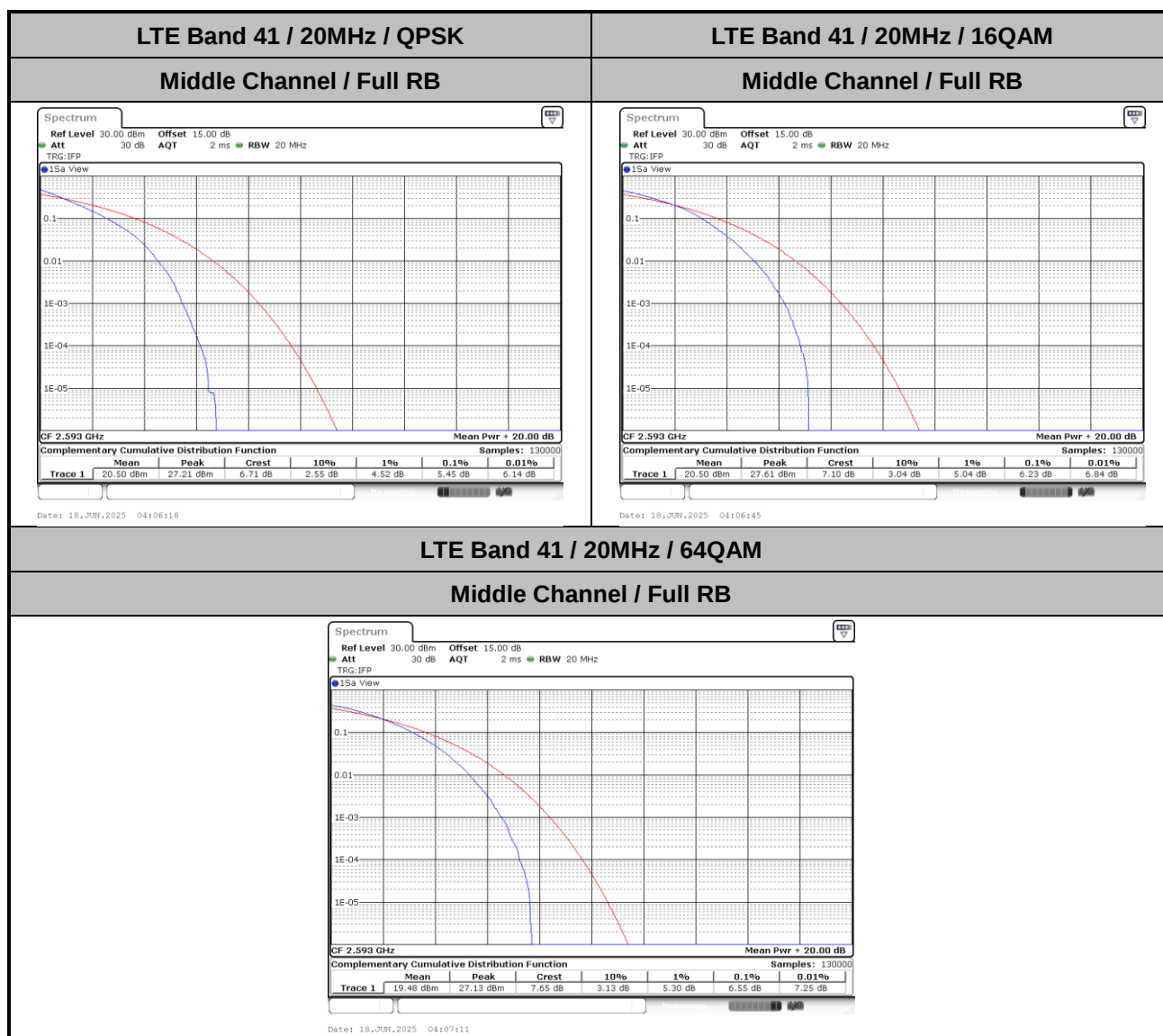
1. Normal Voltage = 3.92 V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage = 4.53 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

Peak-to-Average Ratio

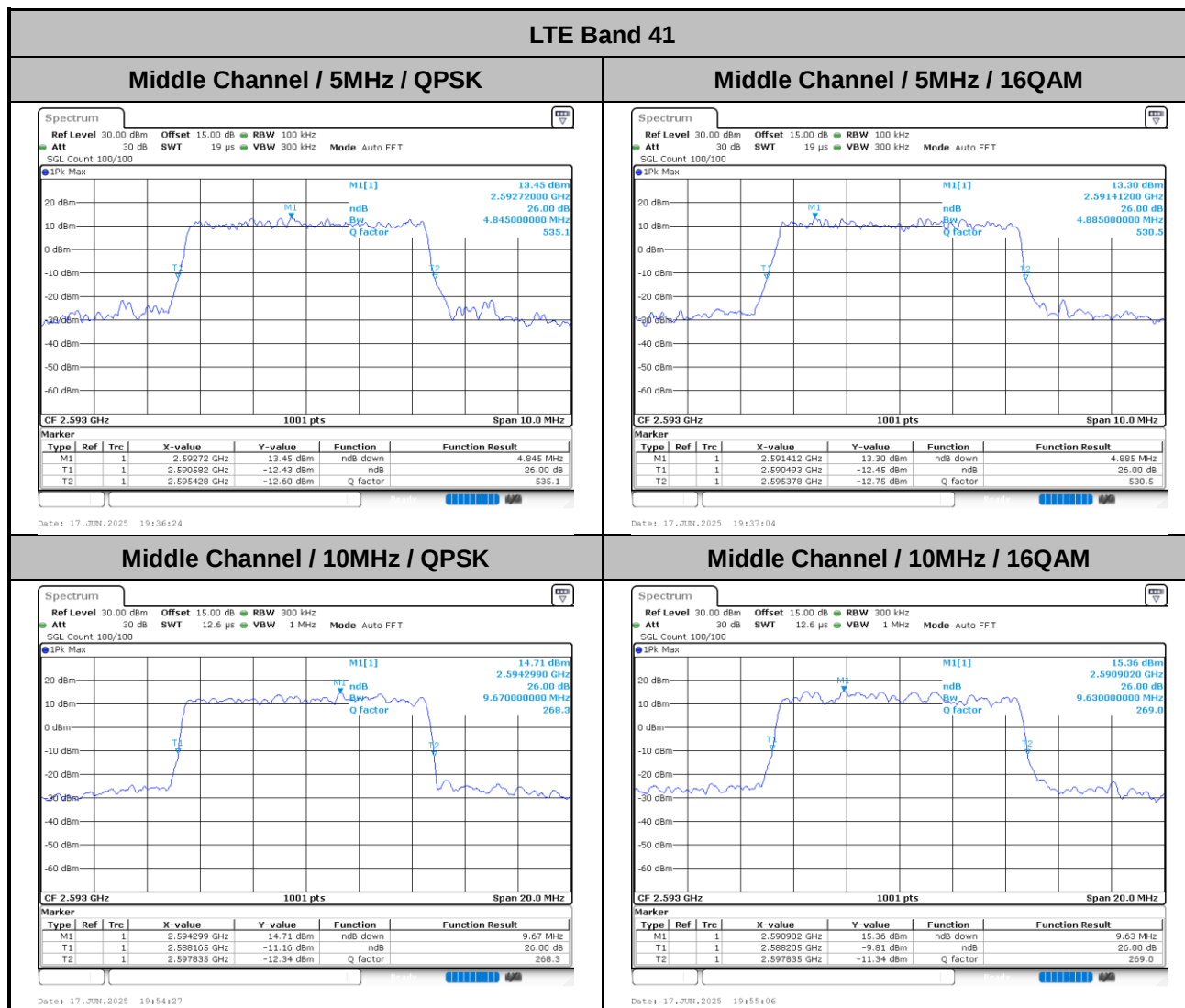
Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.45	6.23	6.55	PASS





26dB Bandwidth

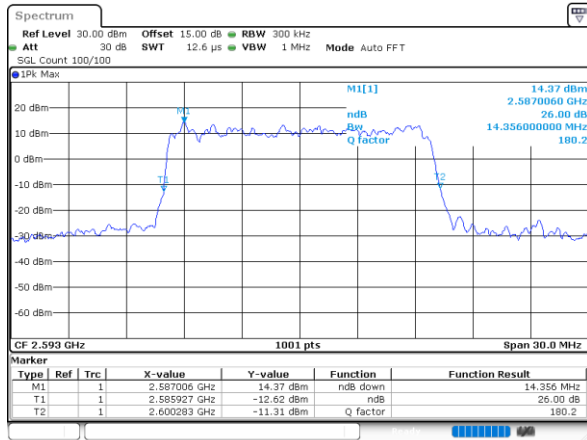
Mode	LTE Band 41 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.85	4.89	9.67	9.63	14.36	14.12	18.66	18.70





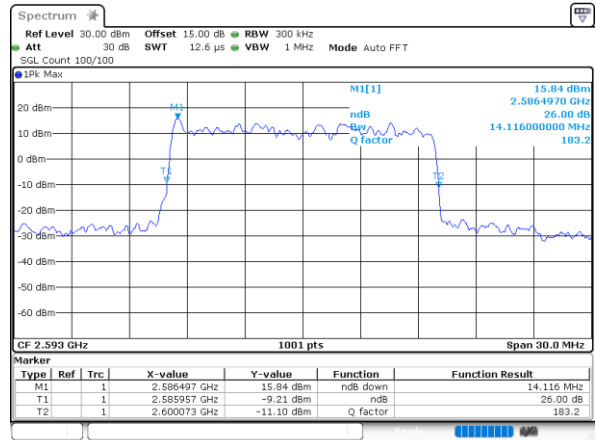
LTE Band 41

Middle Channel / 15MHz / QPSK



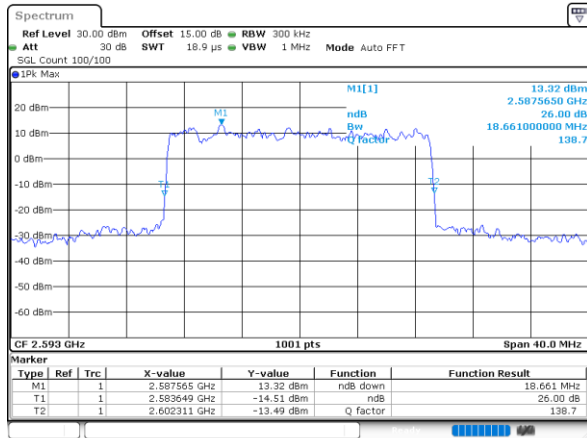
Date: 18_JUN,2025 03:49:42

Middle Channel / 15MHz / 16QAM



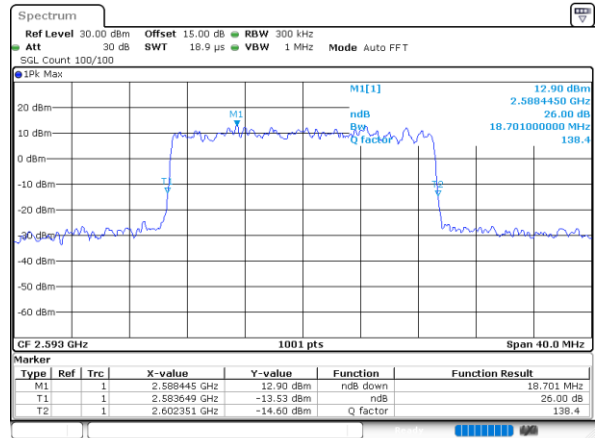
Date: 18_JUN,2025 03:50:21

Middle Channel / 20MHz / QPSK



Date: 18_JUN,2025 04:05:12

Middle Channel / 20MHz / 16QAM

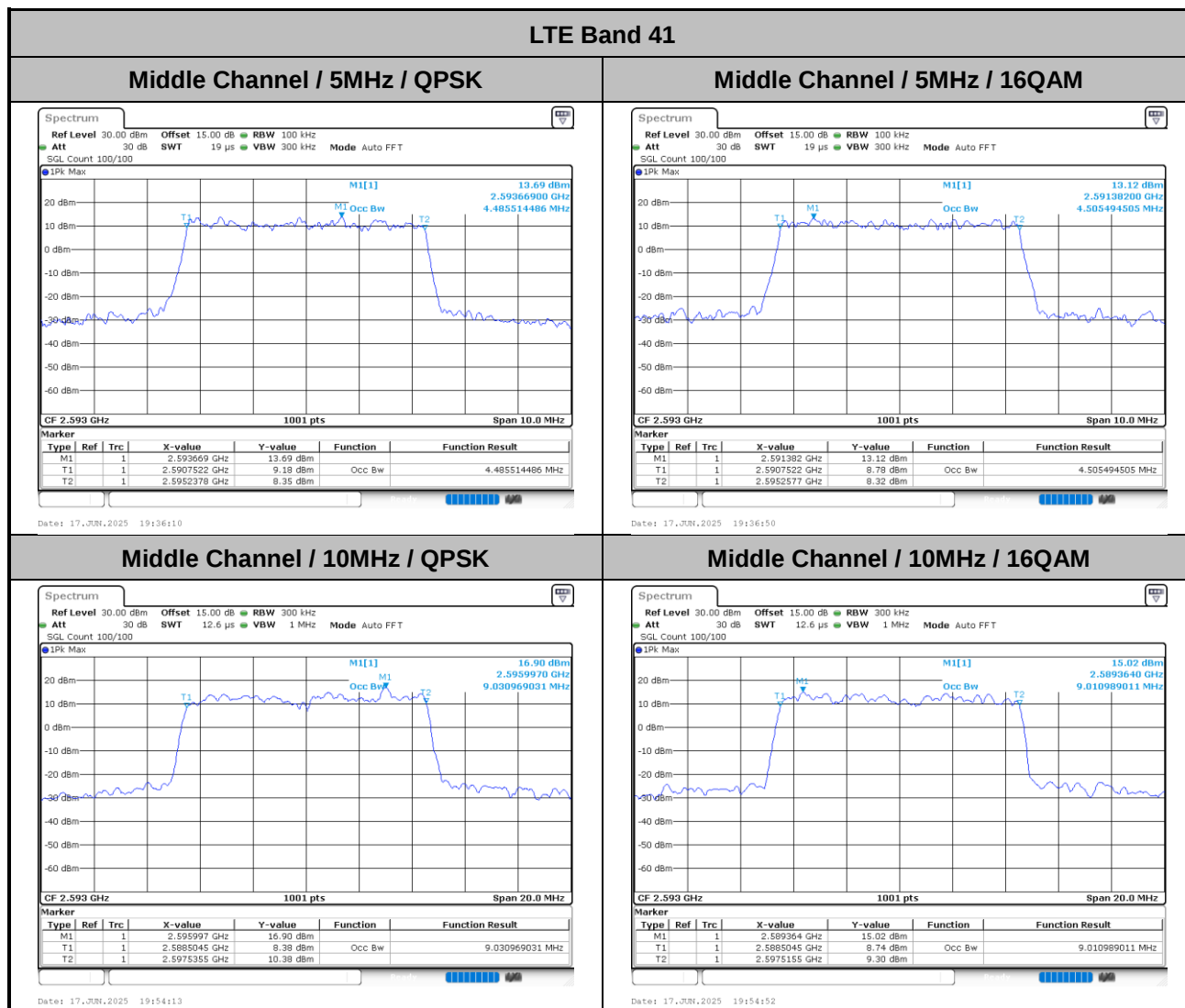


Date: 18_JUN,2025 04:05:52



Occupied Bandwidth

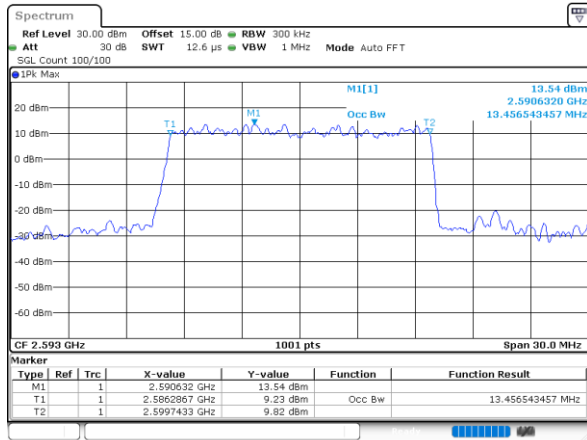
Mode	LTE Band 41 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.49	4.51	9.03	9.01	13.46	13.43	17.90	17.86



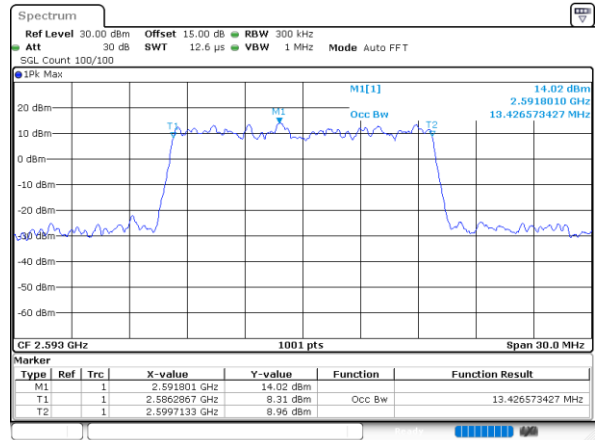


LTE Band 41

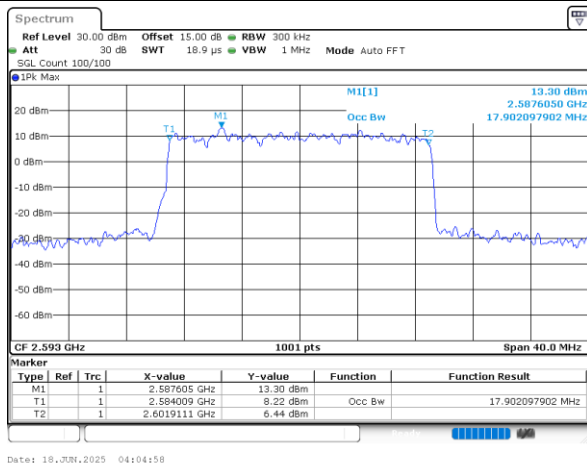
Middle Channel / 15MHz / QPSK



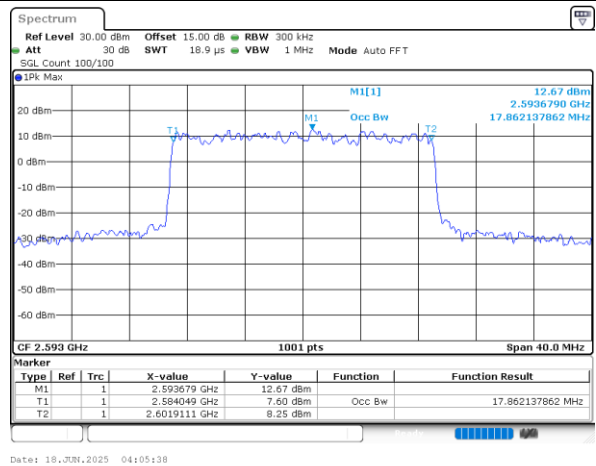
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

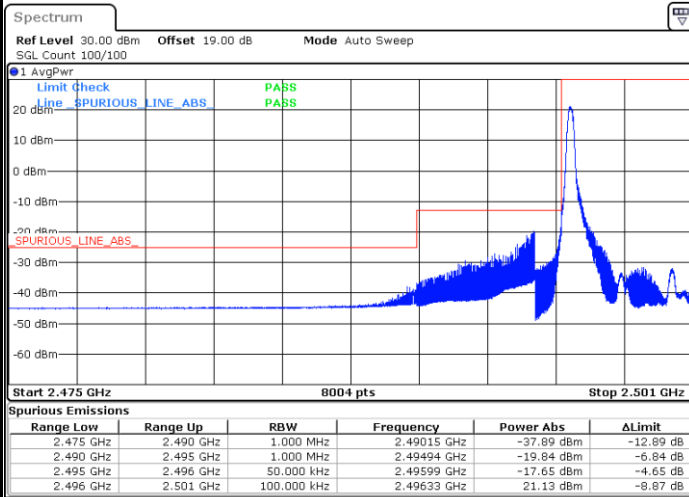




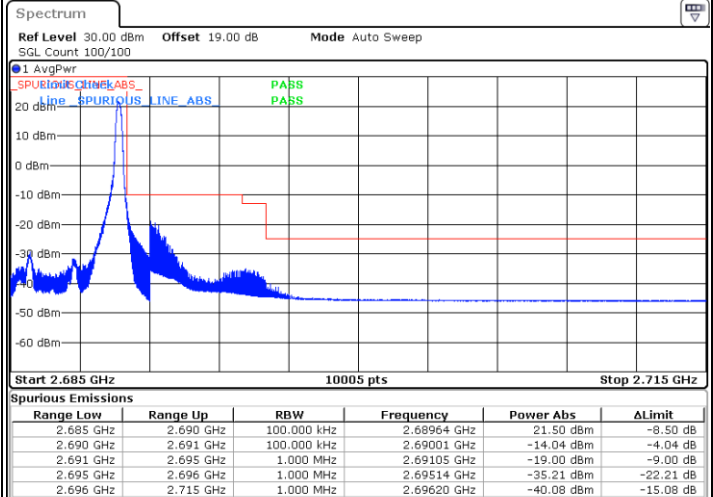
Conducted Band Edge

LTE Band 41 / 5MHz / QPSK

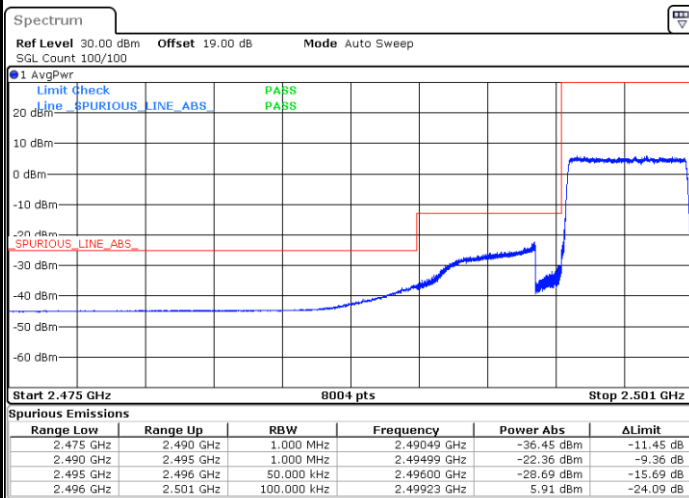
Lowest Band Edge / 1 RB



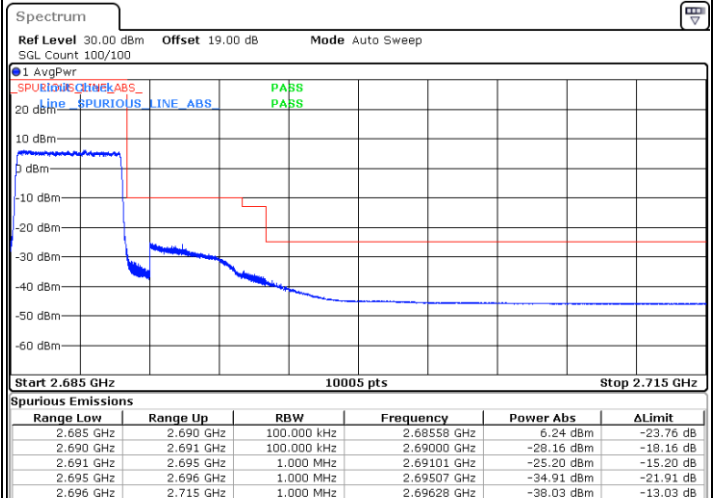
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



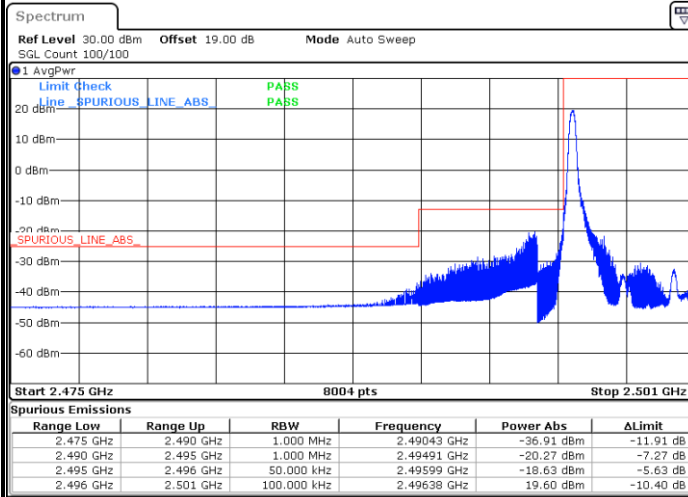
Highest Band Edge / Full RB





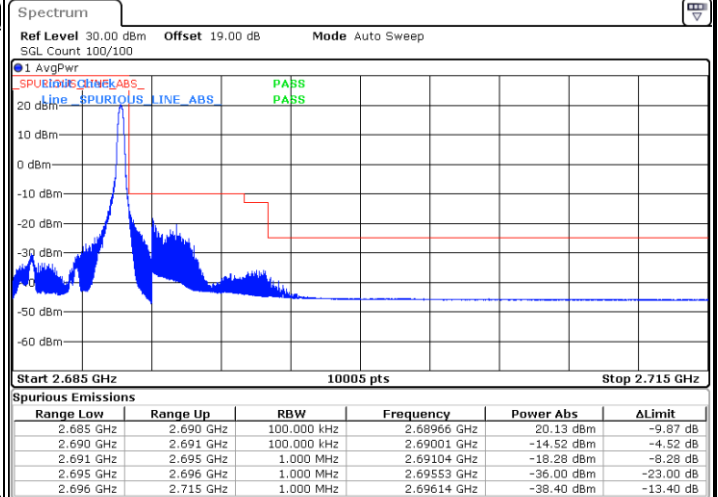
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



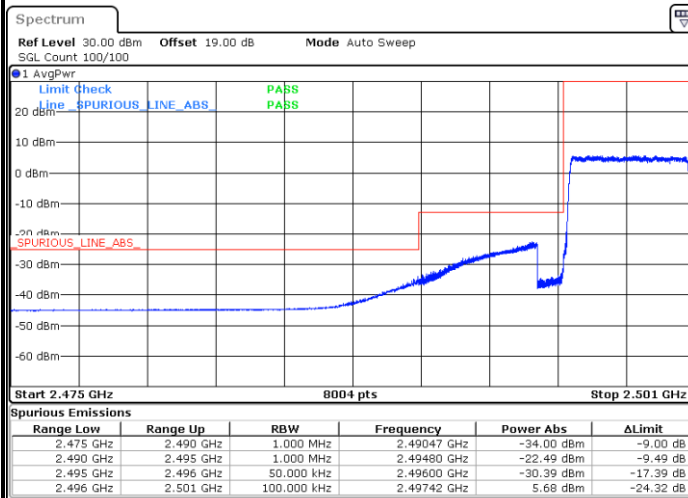
Date: 17 JUN 2025 19:30:06

Highest Band Edge / 1 RB



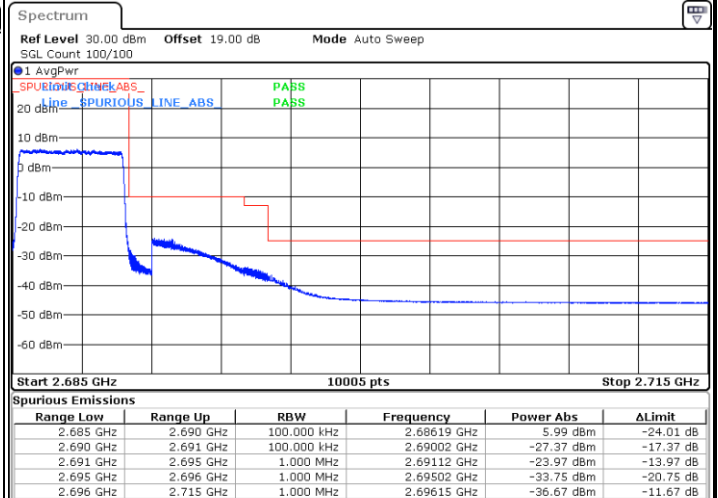
Date: 18 JUN 2025 08:37:18

Lowest Band Edge / Full RB



Date: 17 JUN 2025 19:32:41

Highest Band Edge / Full RB

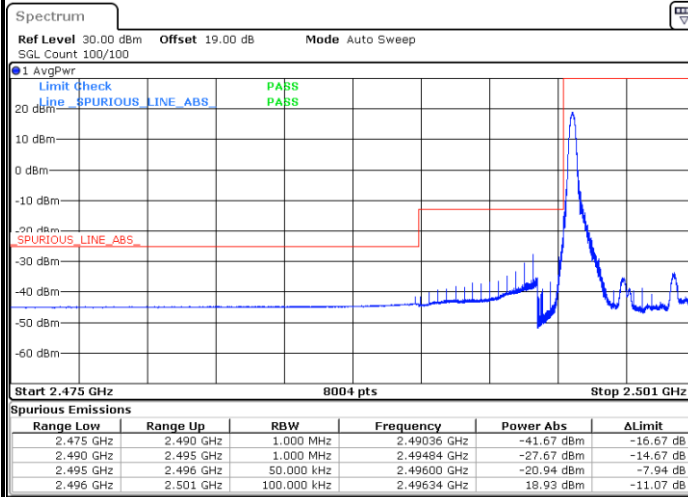


Date: 18 JUN 2025 08:40:36



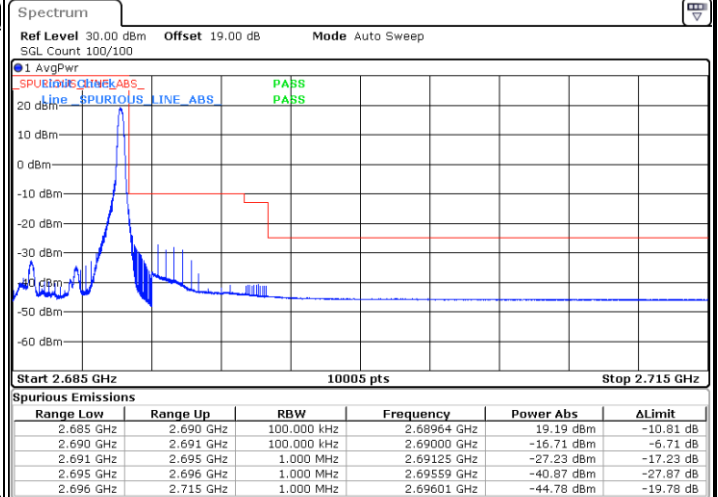
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



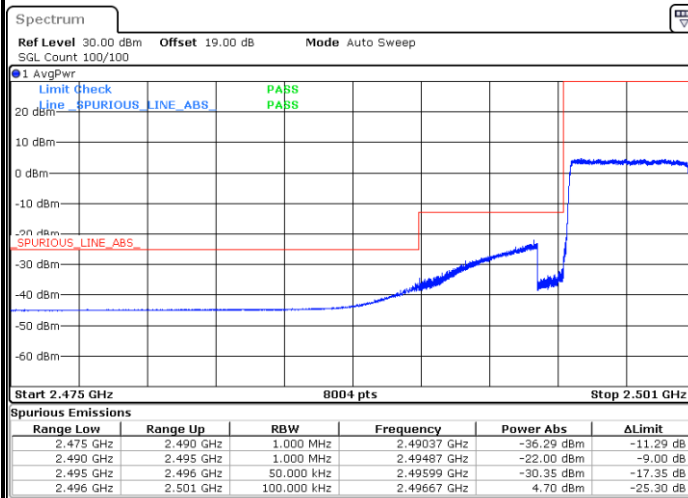
Date: 17 JUN 2025 19:30:58

Highest Band Edge / 1 RB



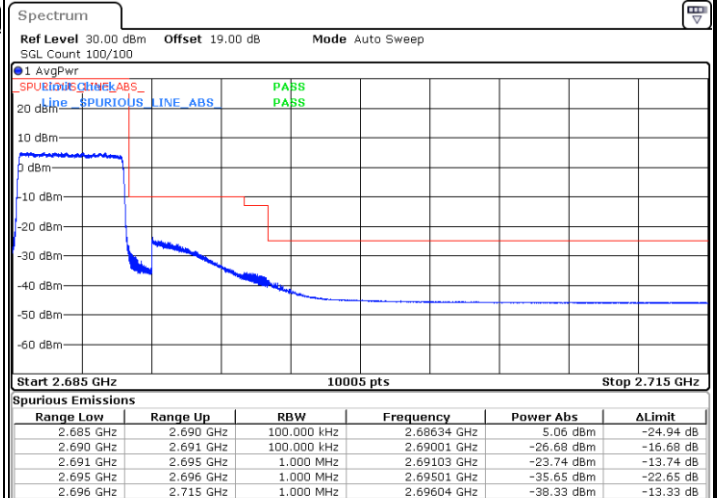
Date: 18 JUN 2025 08:38:24

Lowest Band Edge / Full RB



Date: 17 JUN 2025 19:31:50

Highest Band Edge / Full RB

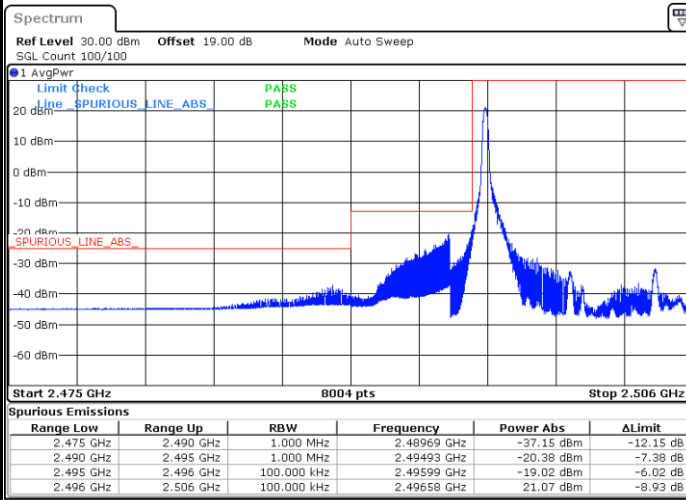


Date: 18 JUN 2025 08:39:30

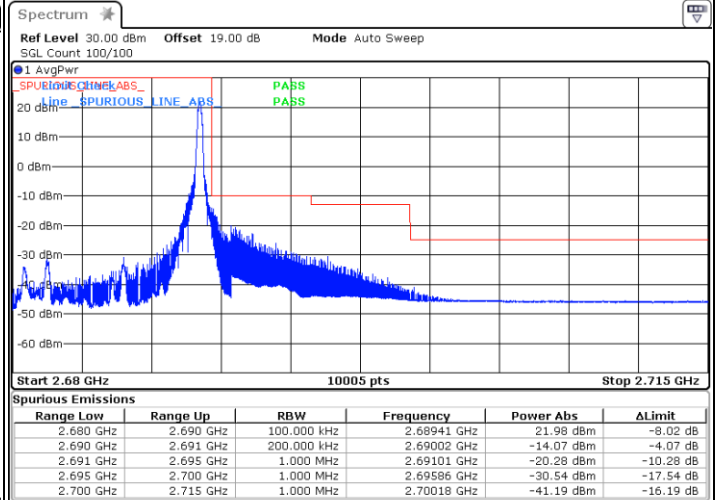


LTE Band 41 / 10MHz / QPSK

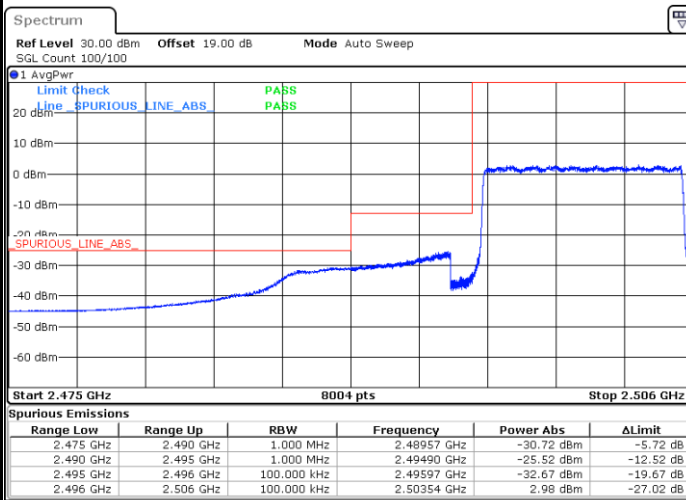
Lowest Band Edge / 1 RB



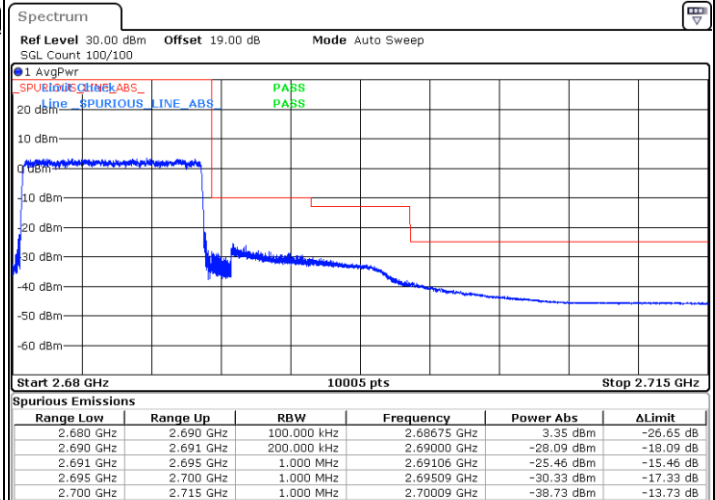
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



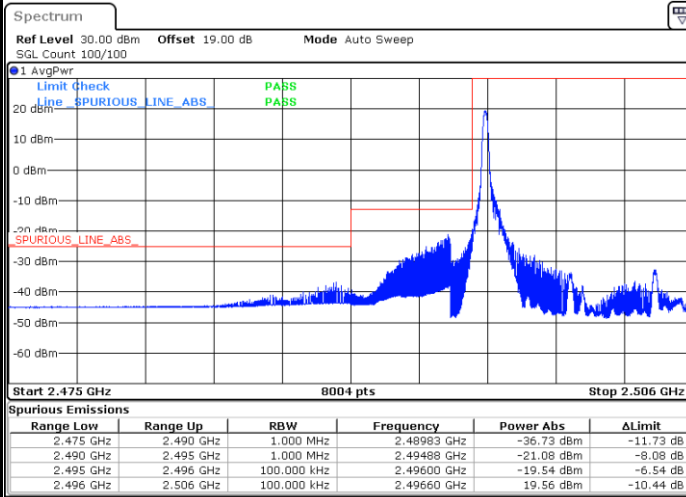
Highest Band Edge / Full RB





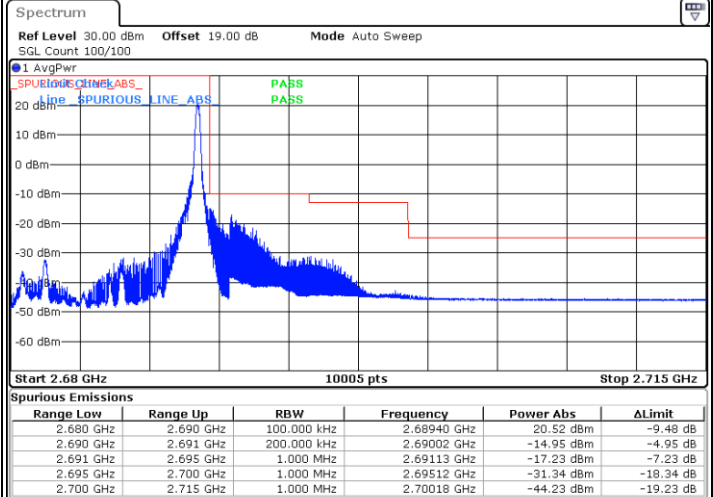
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1RB



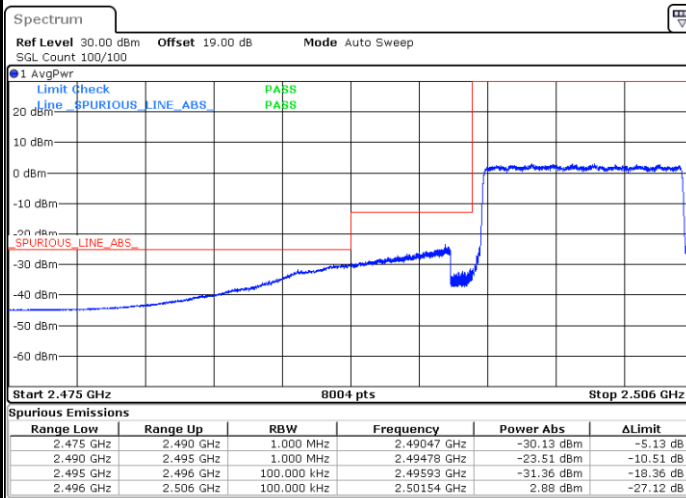
Date: 17.JUN.2025 19:47:31

Highest Band Edge / 1 RB



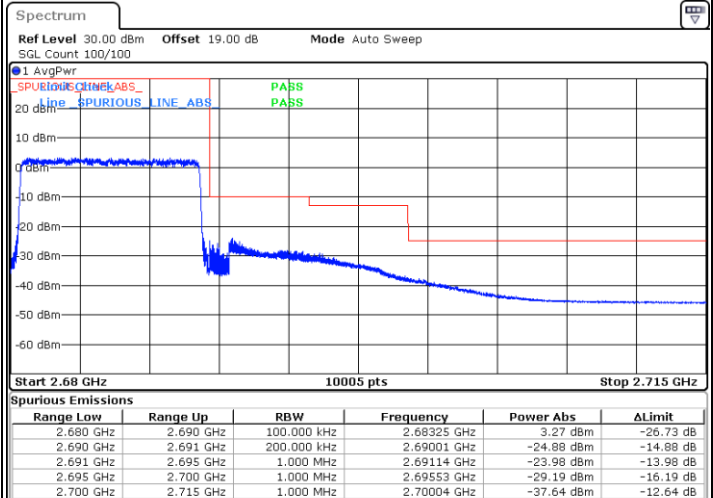
Date: 17.JUN.2025 19:56:37

Lowest Band Edge / Full RB



Date: 17.JUN.2025 19:49:57

Highest Band Edge / Full RB

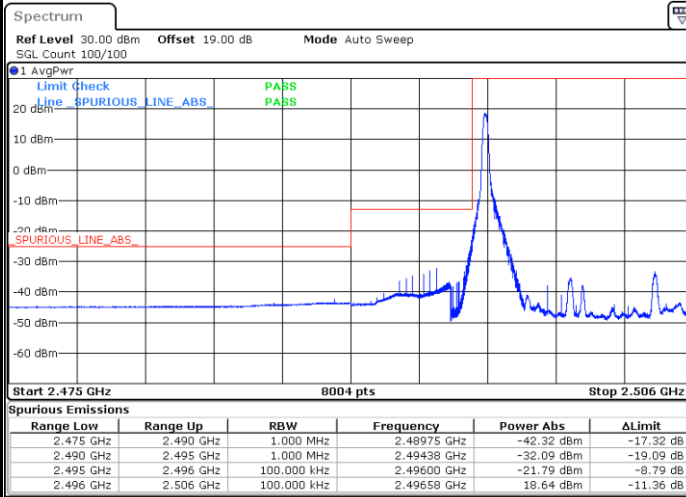


Date: 17.JUN.2025 19:58:55

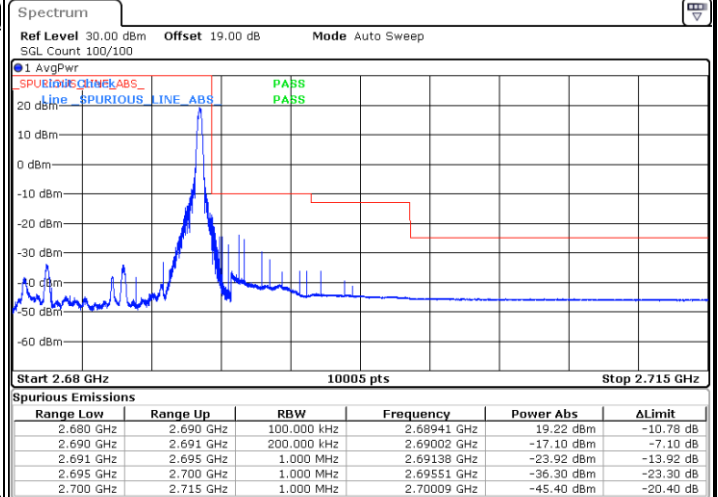


LTE Band 41 / 10MHz / 64QAM

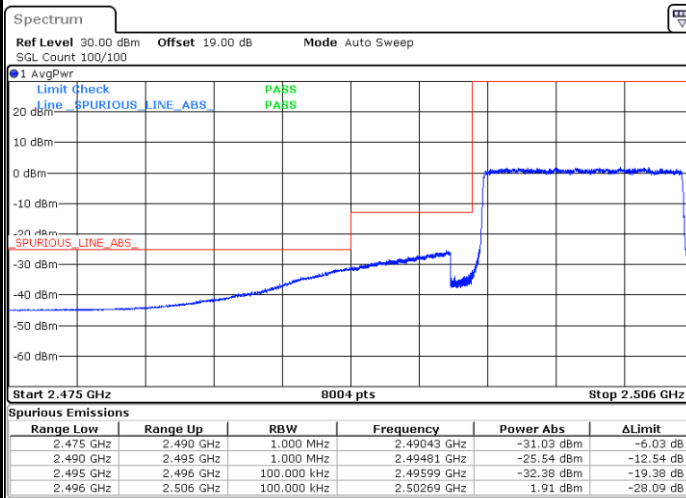
Lowest Band Edge / 1RB



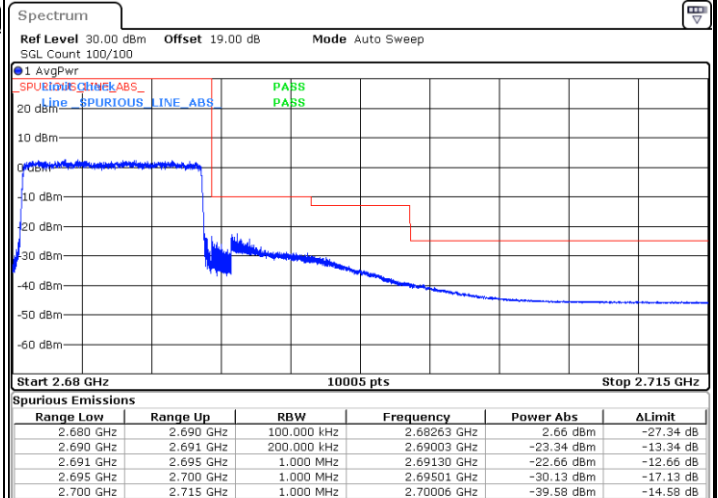
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



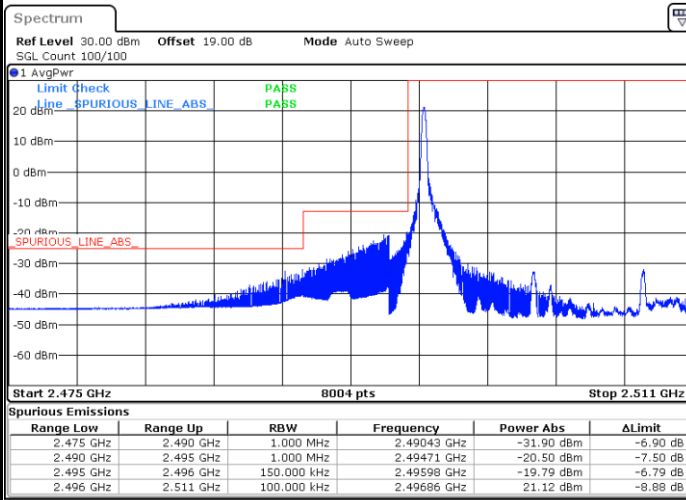
Highest Band Edge / Full RB



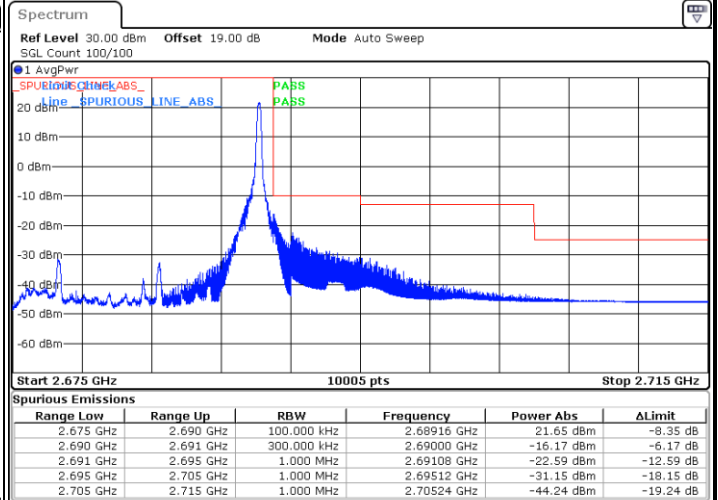


LTE Band 41 / 15MHz / QPSK

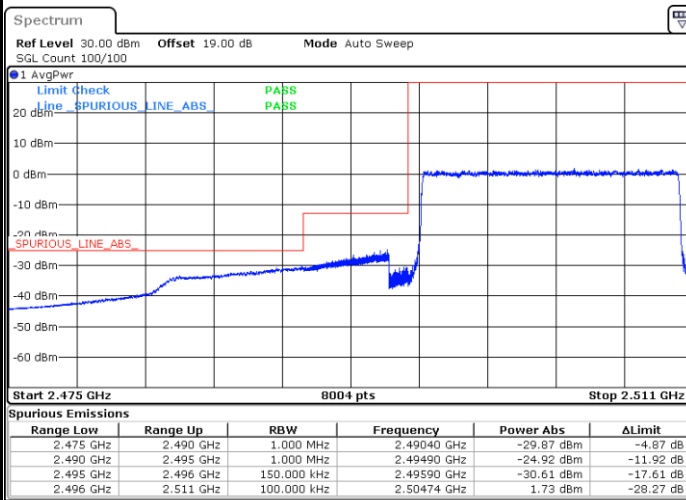
Lowest Band Edge / 1 RB



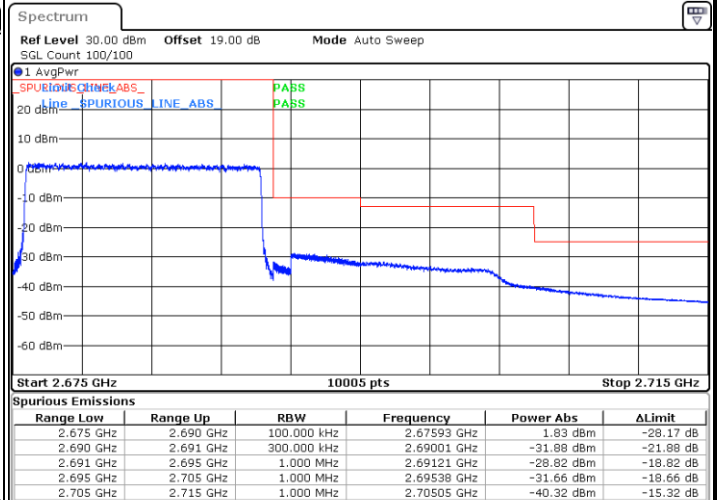
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



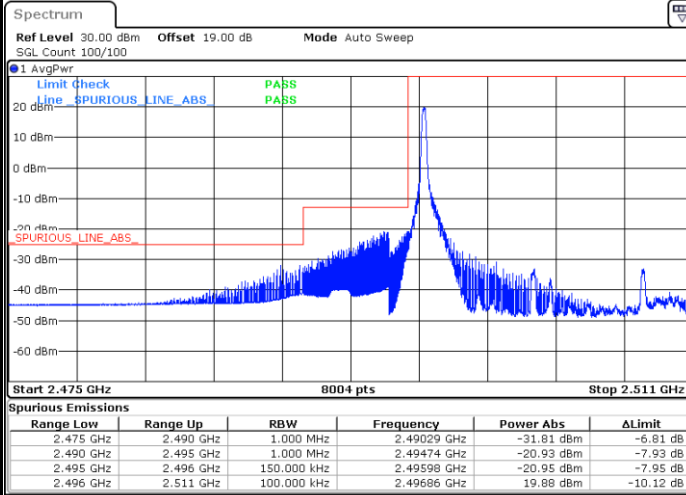
Highest Band Edge / Full RB



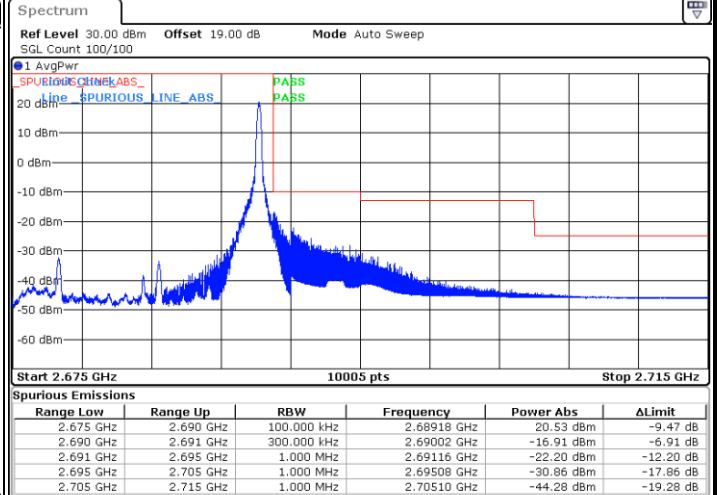


LTE Band 41 / 15MHz / 16QAM

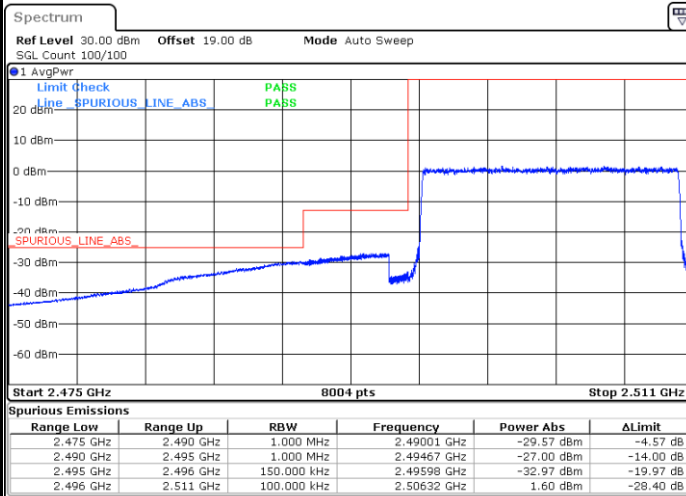
Lowest Band Edge / 1RB



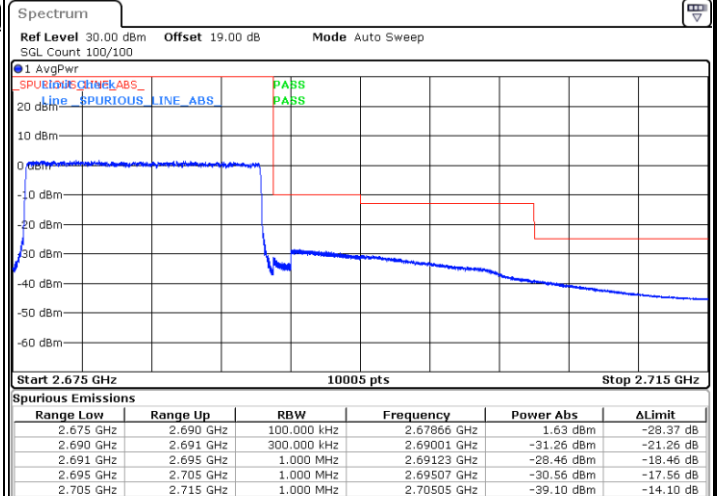
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



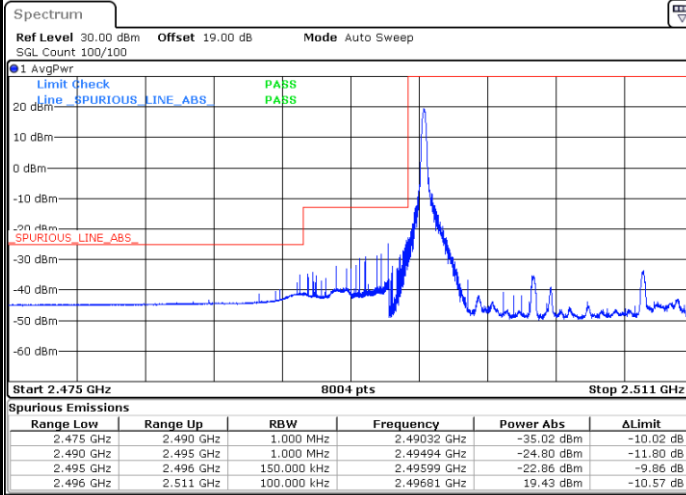
Highest Band Edge / Full RB



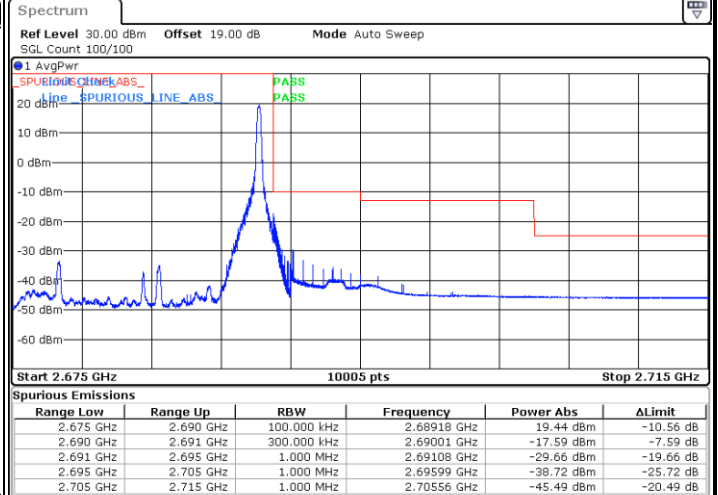


LTE Band 41 / 15MHz / 64QAM

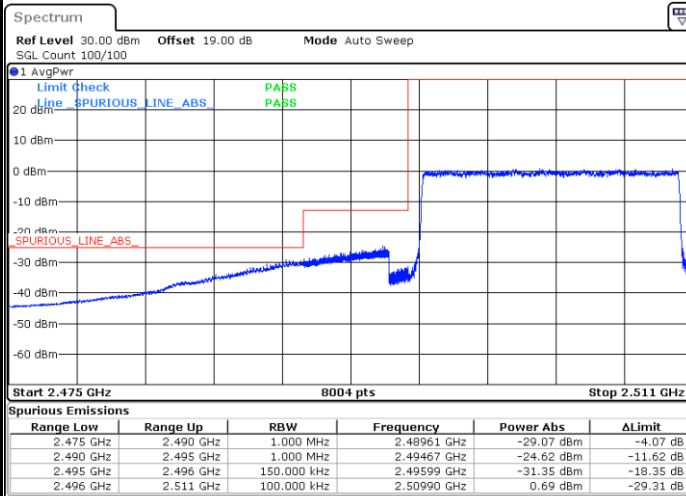
Lowest Band Edge / 1RB



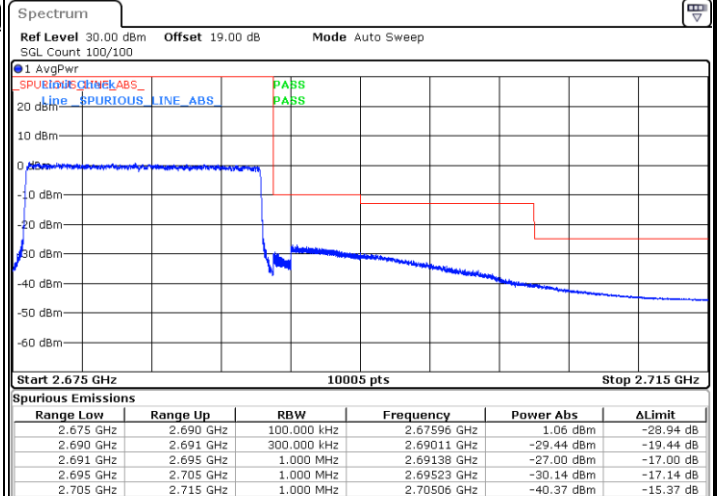
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



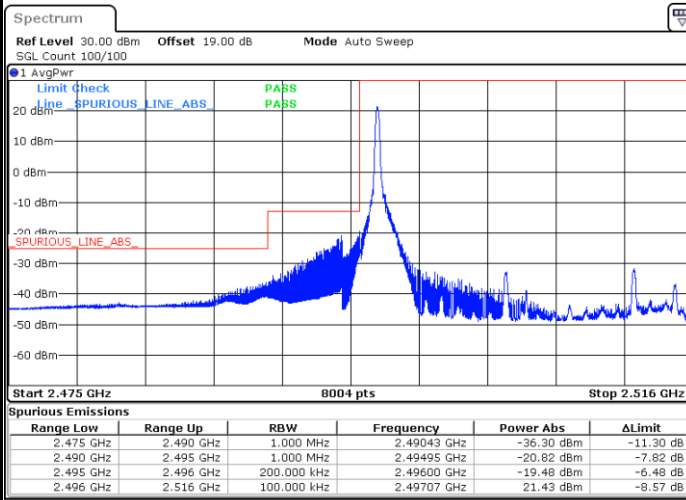
Highest Band Edge / Full RB



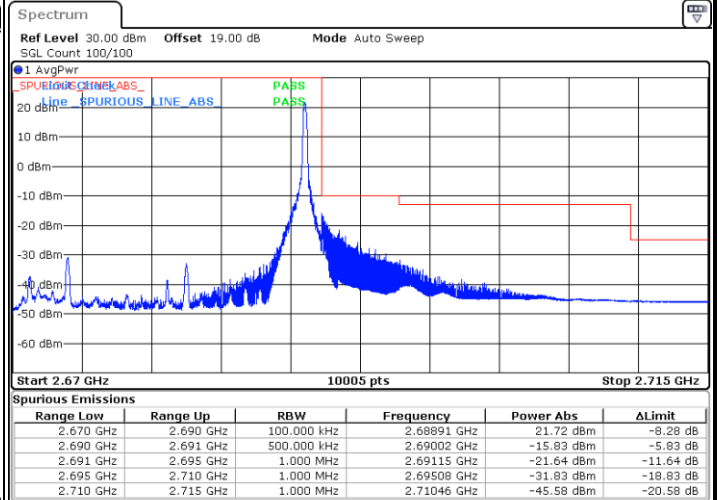


LTE Band 41 / 20MHz / QPSK

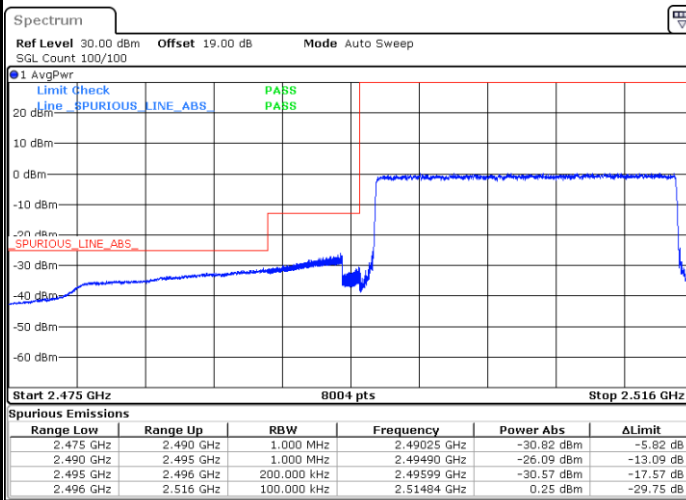
Lowest Band Edge / 1 RB



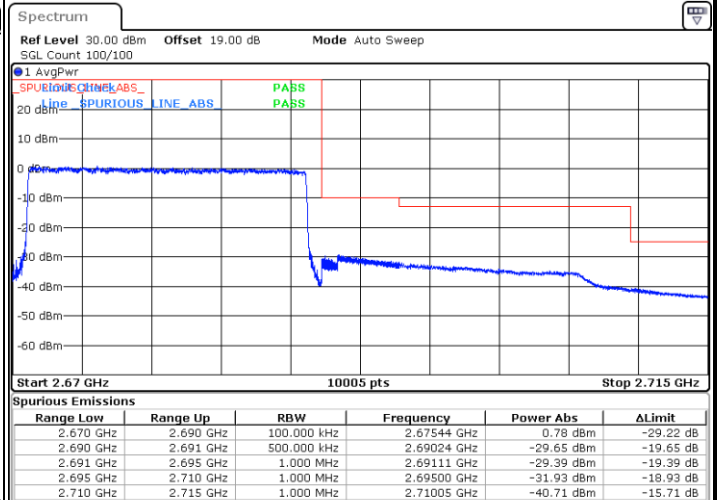
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



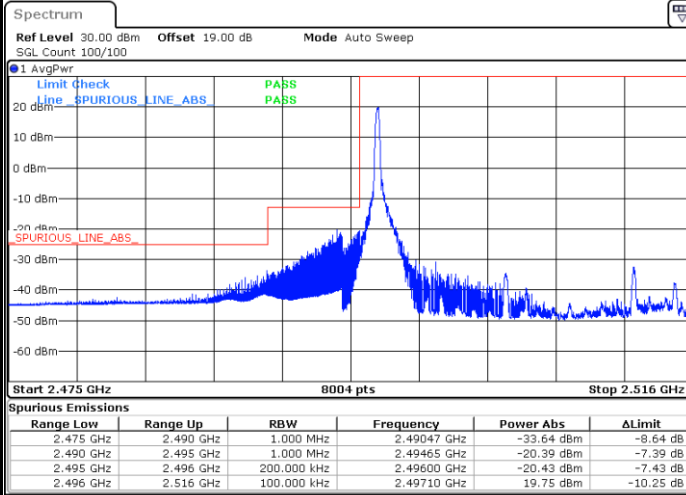
Highest Band Edge / Full RB





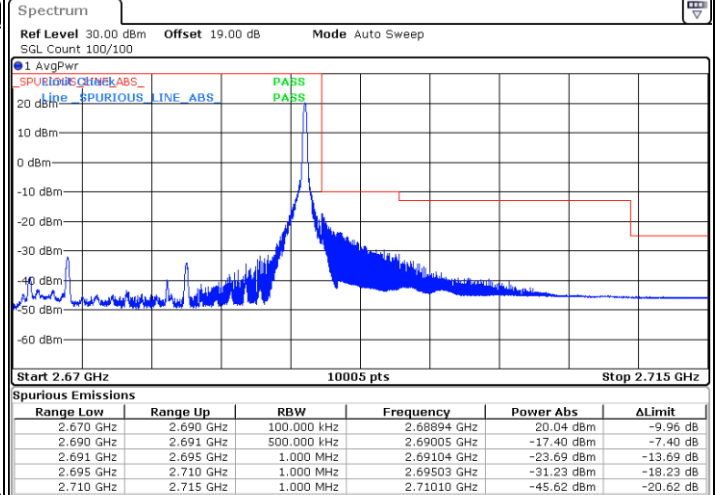
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1RB



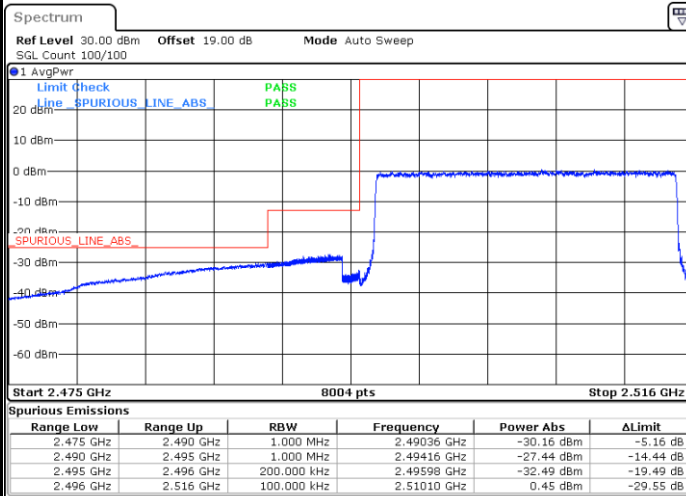
Date: 18.JUN.2025 03:59:07

Highest Band Edge / 1 RB



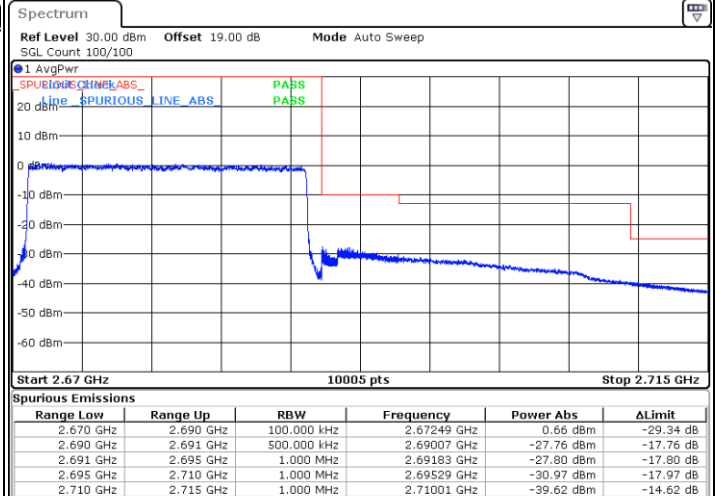
Date: 18.JUN.2025 04:08:58

Lowest Band Edge / Full RB



Date: 18.JUN.2025 04:01:33

Highest Band Edge / Full RB

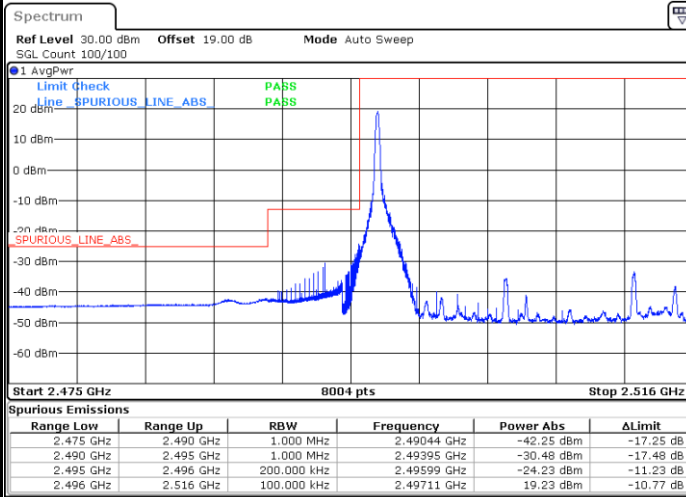


Date: 18.JUN.2025 04:11:40

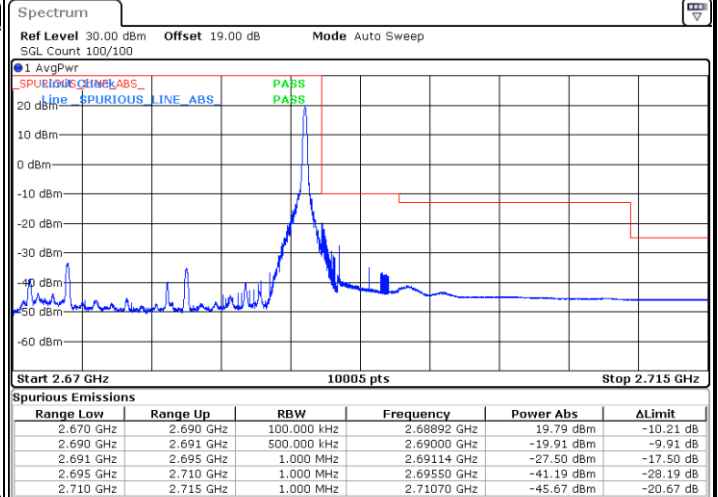


LTE Band 41 / 20MHz / 64QAM

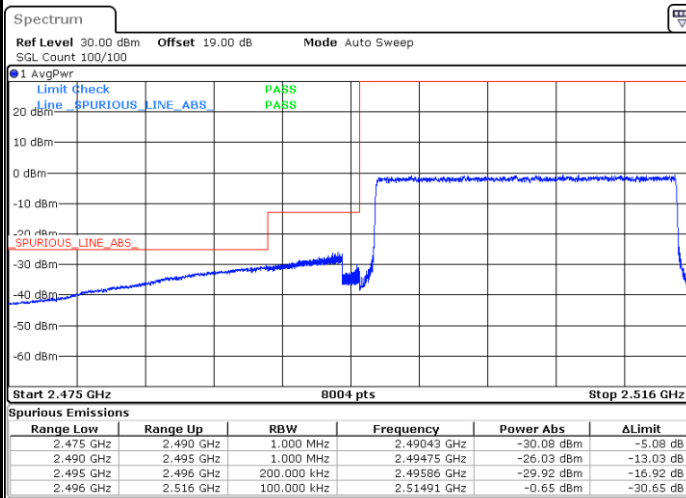
Lowest Band Edge / 1RB



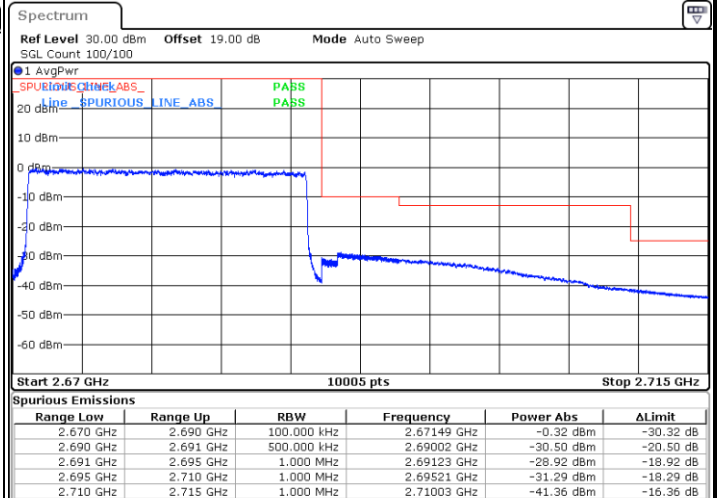
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

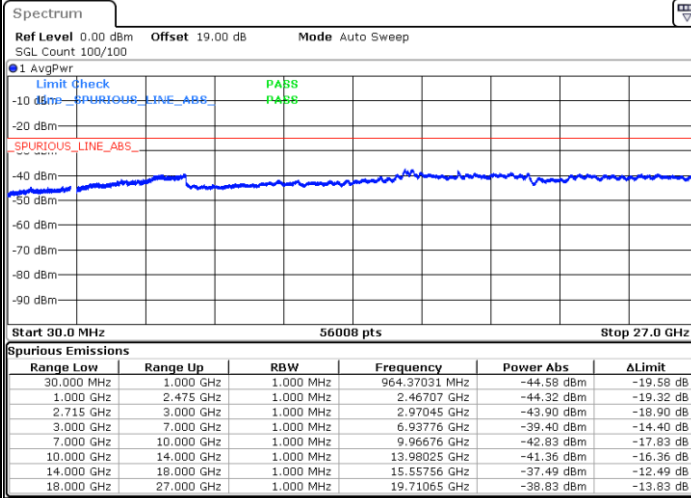




Conducted Spurious Emission

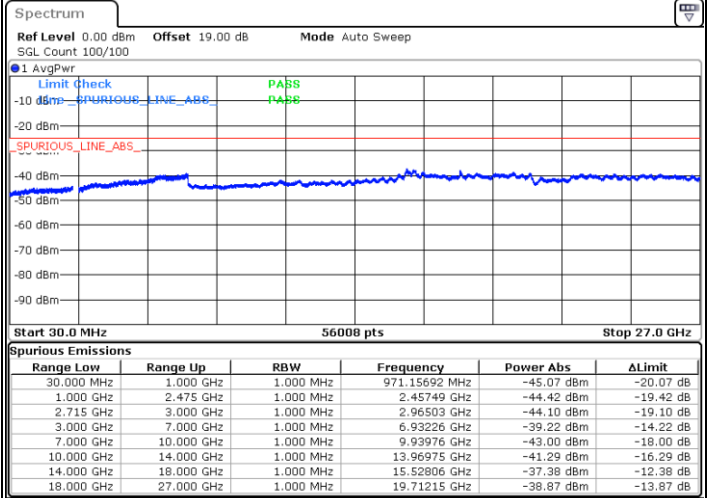
LTE Band 41 / 5MHz

Lowest Channel / QPSK



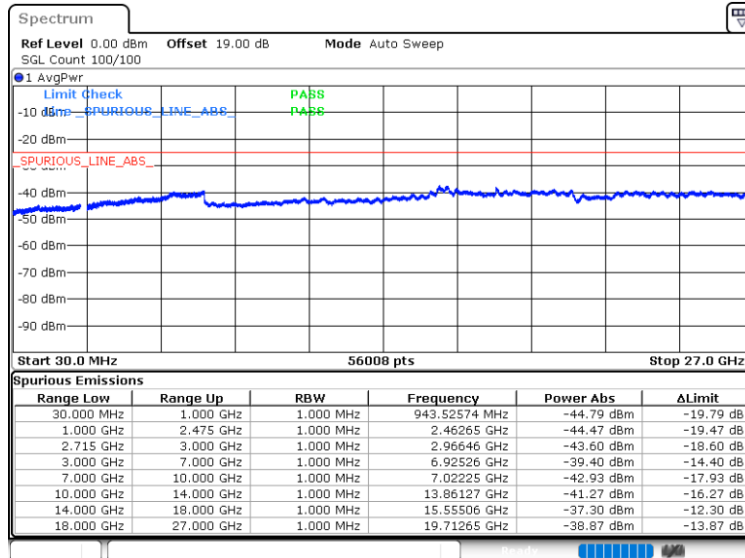
Date: 17.JUN.2025 19:34:39

Middle Channel / QPSK



Date: 17.JUN.2025 19:35:44

Highest Channel / QPSK

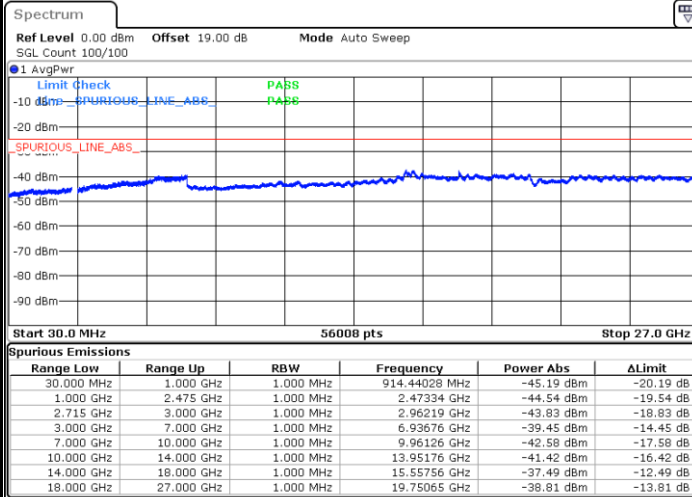


Date: 17.JUN.2025 19:45:12



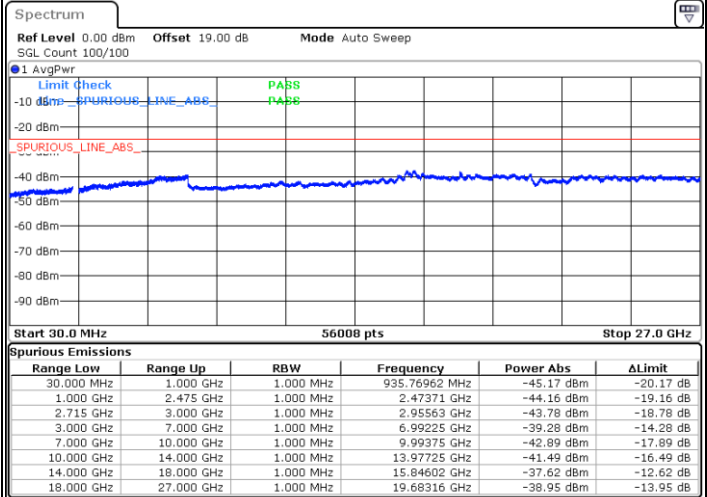
LTE Band 41 / 10MHz

Lowest Channel / QPSK



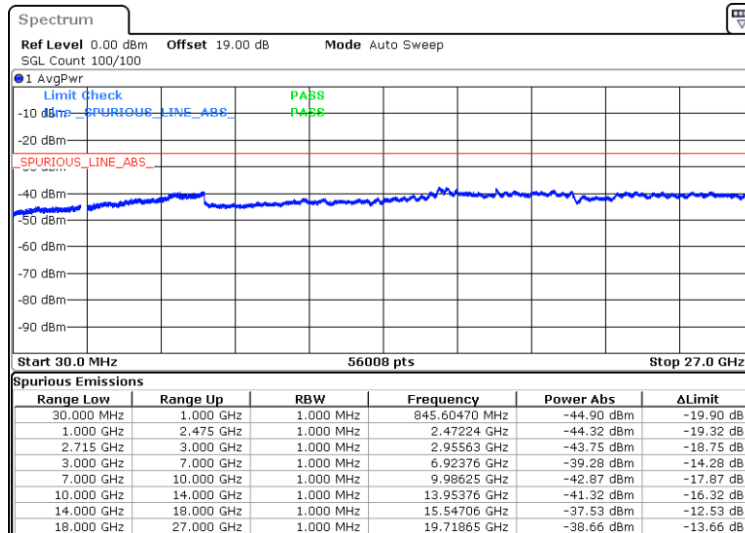
Date: 17.JUN.2025 19:51:51

Middle Channel / QPSK



Date: 17.JUN.2025 19:52:56

Highest Channel / QPSK

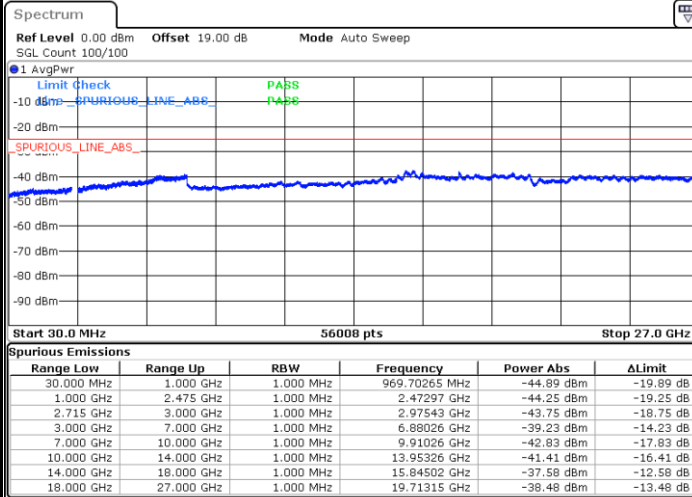


Date: 17.JUN.2025 20:00:47



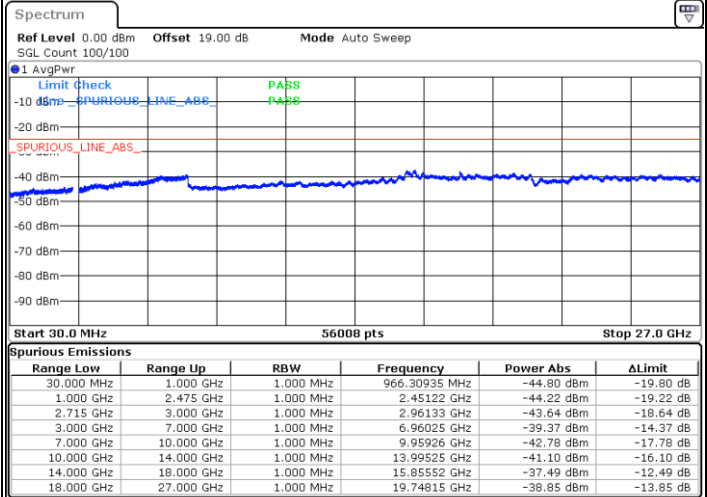
LTE Band 41 / 15MHz

Lowest Channel / QPSK



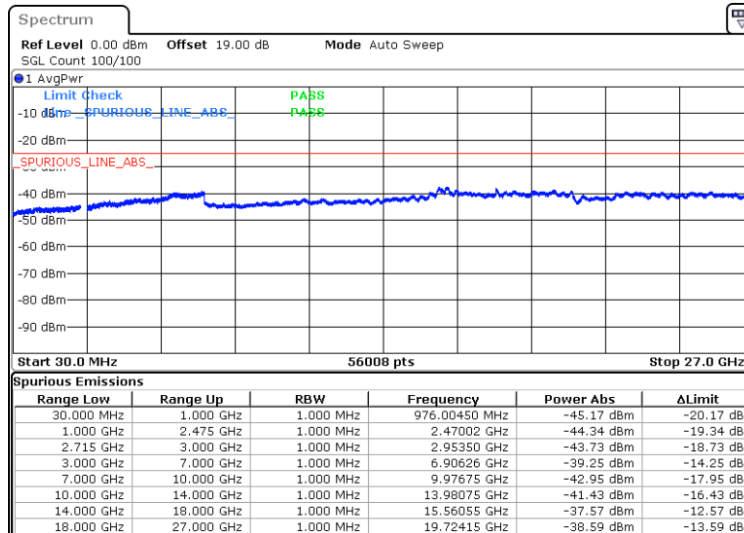
Date: 18.JUN.2025 03:47:57

Middle Channel / QPSK



Date: 18.JUN.2025 03:49:02

Highest Channel / QPSK

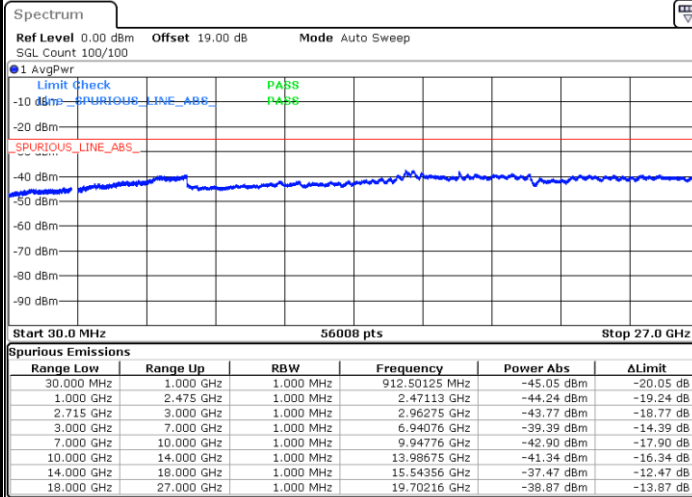


Date: 18.JUN.2025 03:56:48



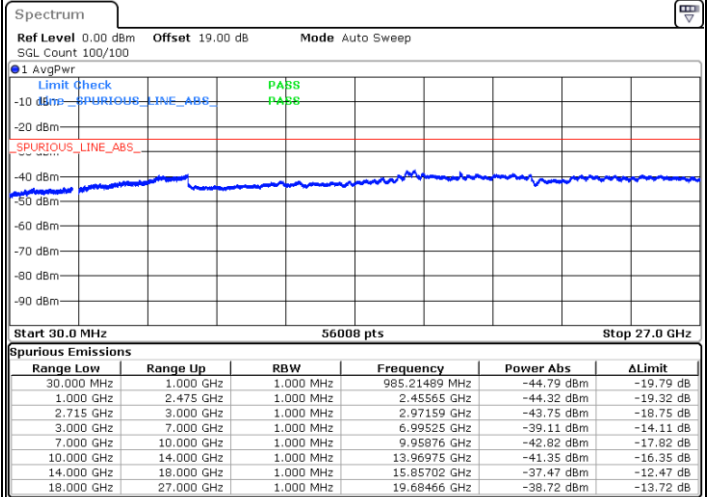
LTE Band 41 / 20MHz

Lowest Channel / QPSK



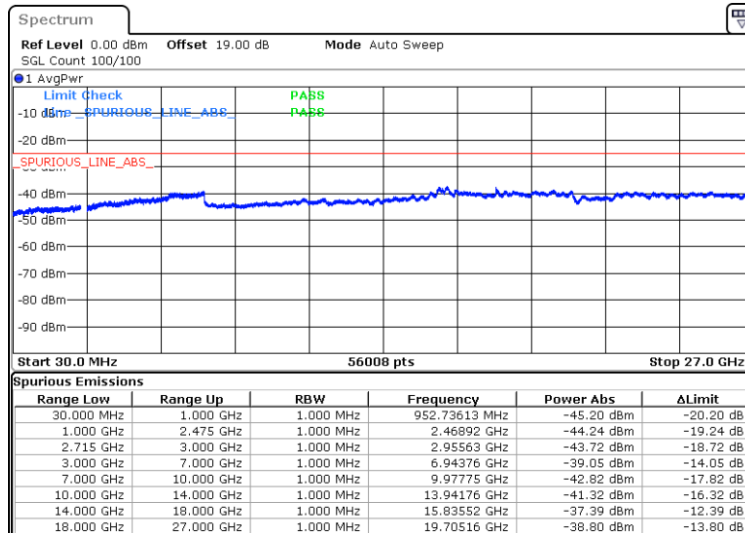
Date: 18.JUN.2025 04:03:27

Middle Channel / QPSK



Date: 18.JUN.2025 04:04:32

Highest Channel / QPSK



Date: 18.JUN.2025 04:13:39

**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	0.0003	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage = 3.92 V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage = 4.53 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

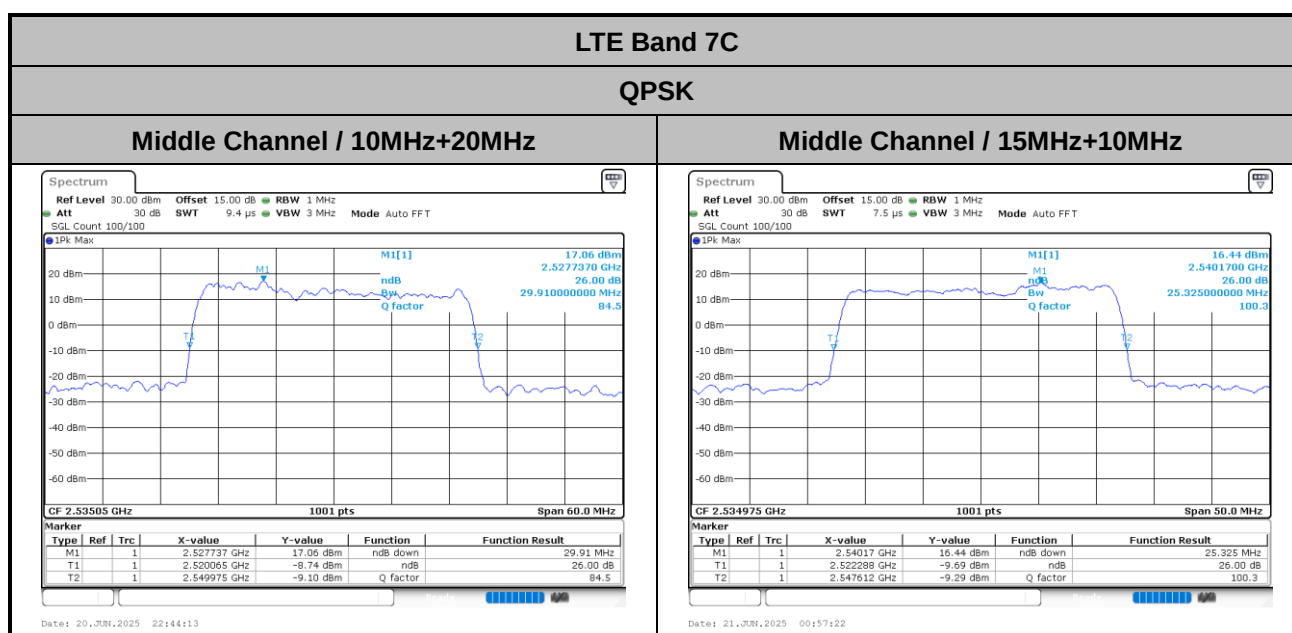


LTE Band 7C

26dB Bandwidth

Mode	LTE Band 7C : 26dB BW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.91	25.33	30.69	34.97
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.03	34.97	39.80	/

Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.97	25.33	30.63	35.04
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	29.97	34.97	39.96	/

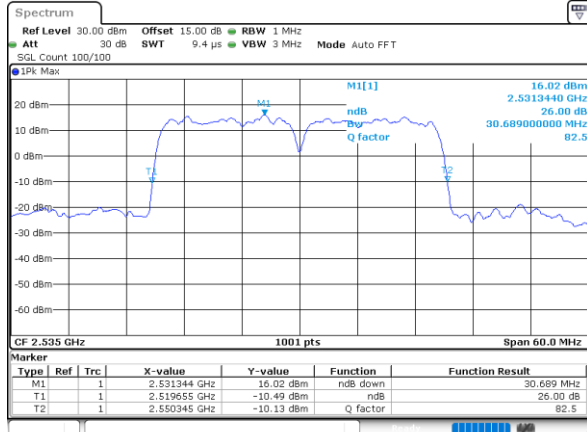




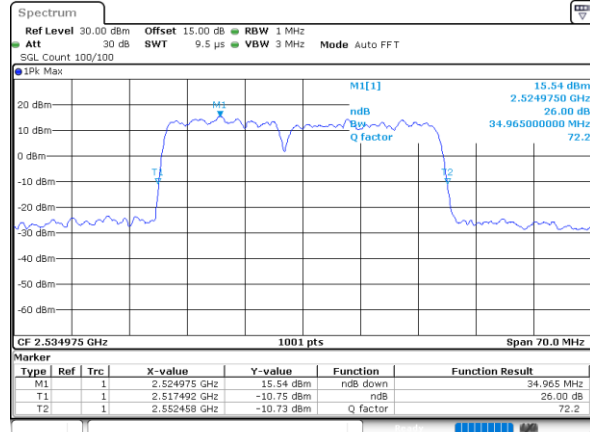
LTE Band 7C

QPSK

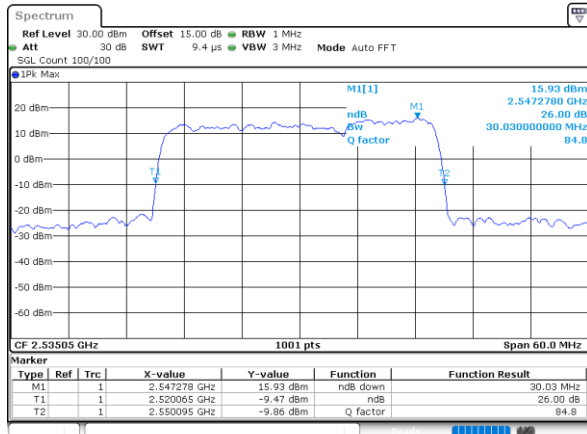
Middle Channel / 15MHz+15MHz



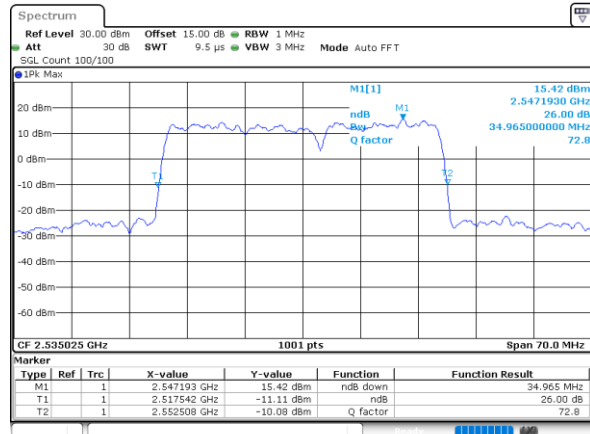
Middle Channel / 15MHz+20MHz



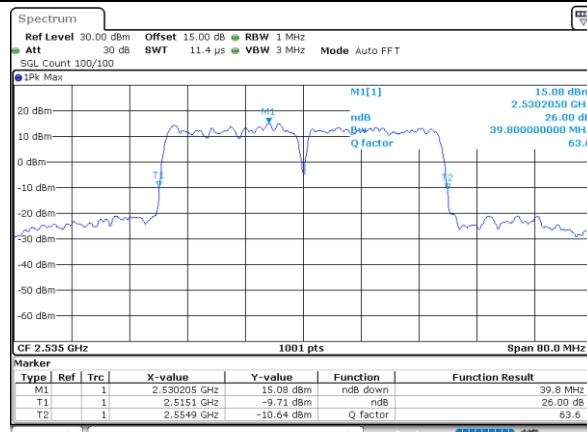
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz

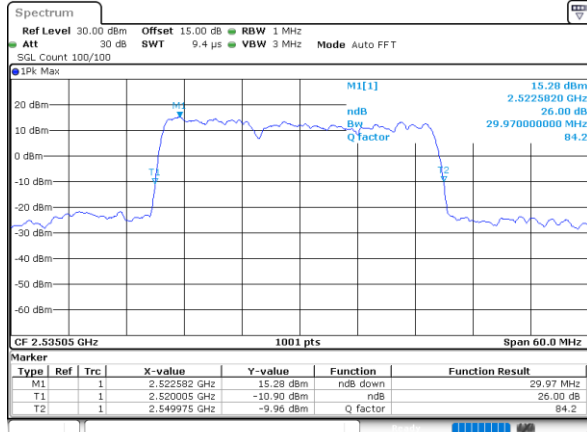




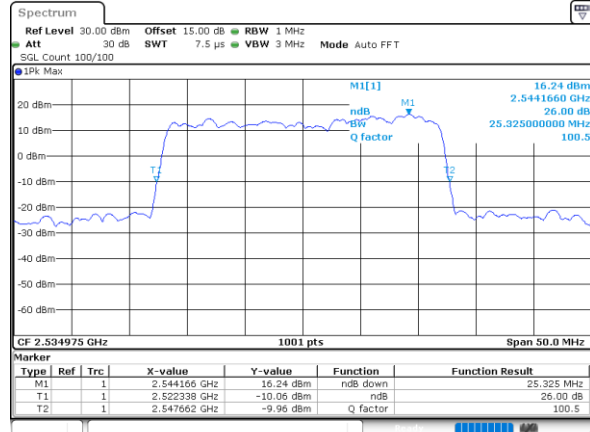
LTE Band 7C

16QAM

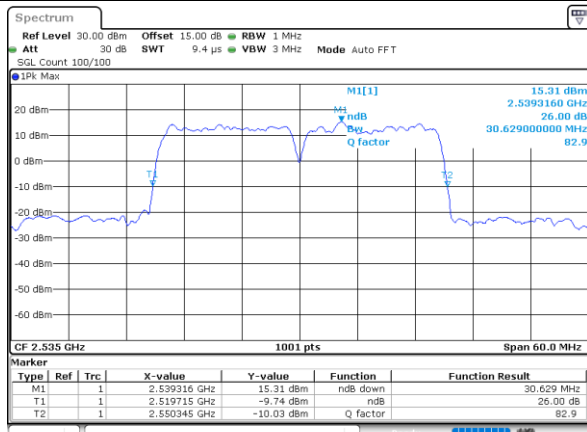
Middle Channel / 10MHz+20MHz



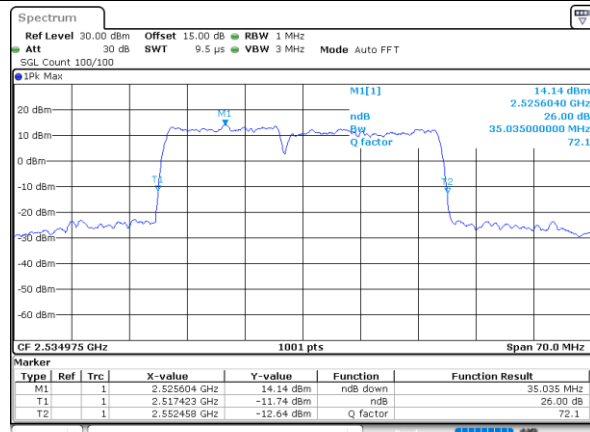
Middle Channel / 15MHz+10MHz



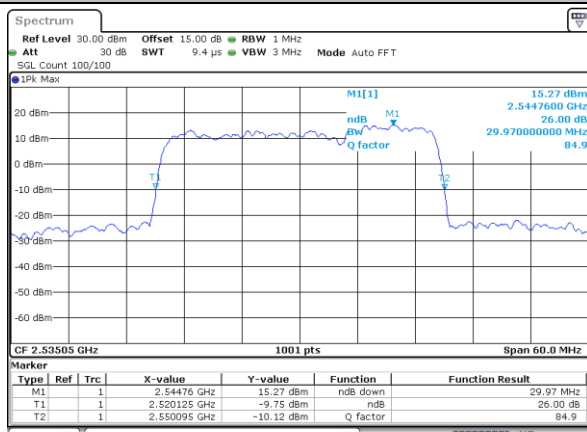
Middle Channel / 15MHz+15MHz



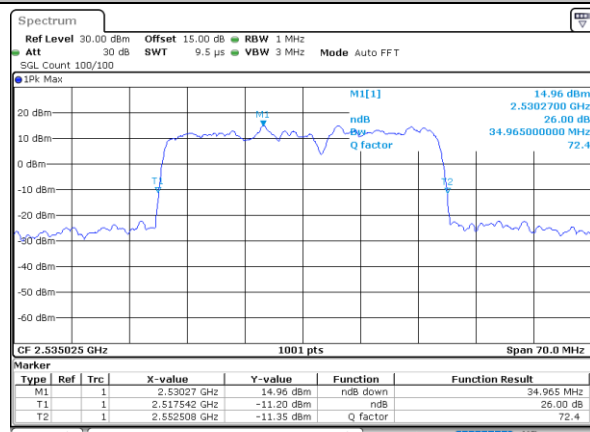
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz

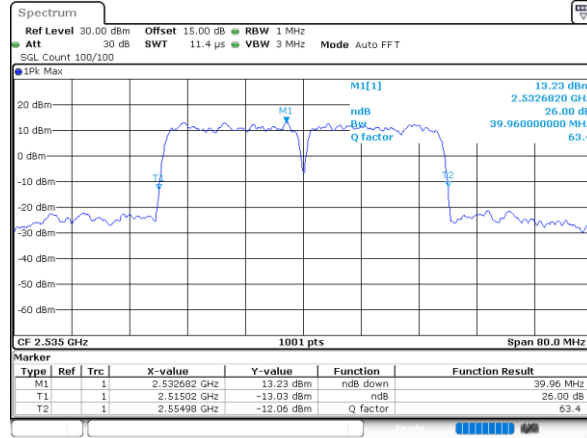




LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz



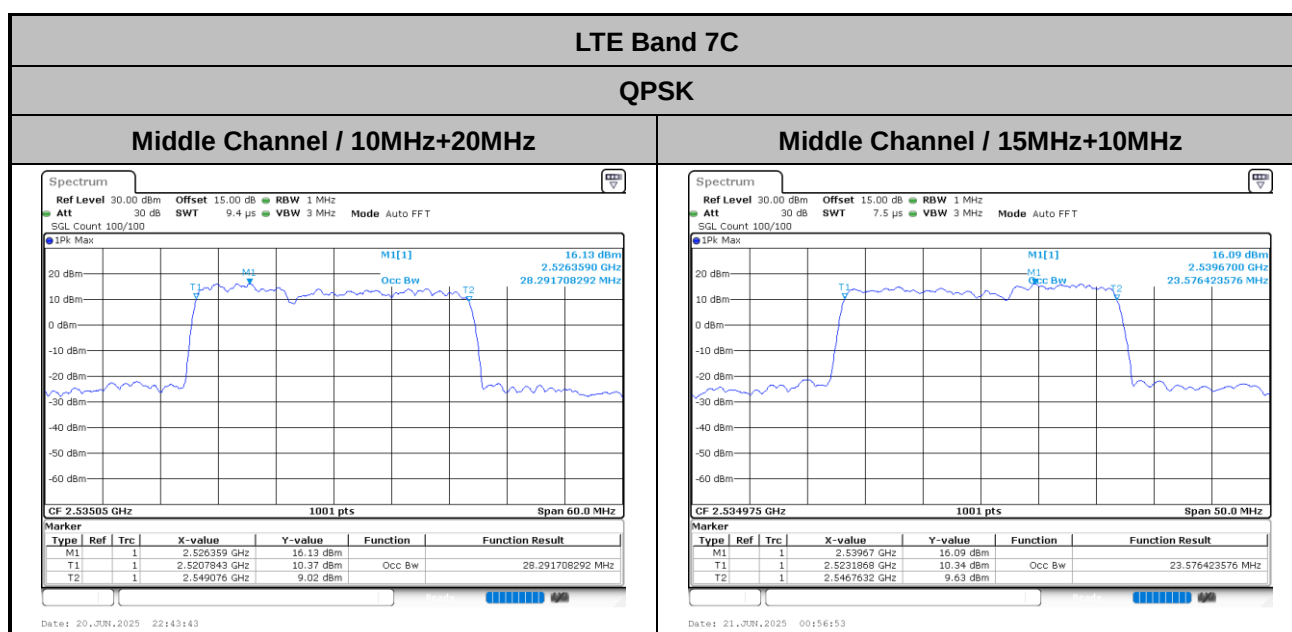
Date: 21.JUN.2025 00:30:51



Occupied Bandwidth

Mode	LTE Band 7C : 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	28.29	23.58	28.71	32.87
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.11	32.80	37.56	/

Mode	LTE Band 7C : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	27.99	23.38	28.47	32.87
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.05	33.01	37.64	/

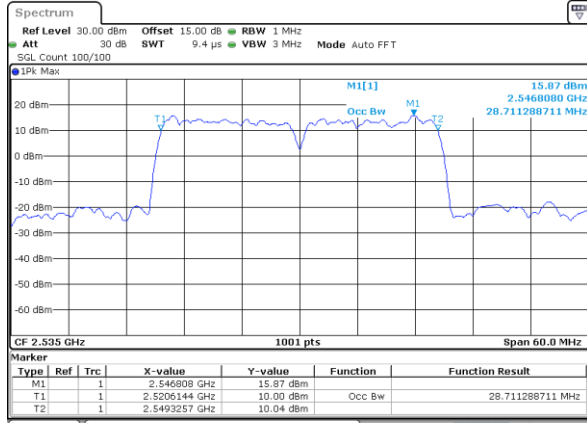




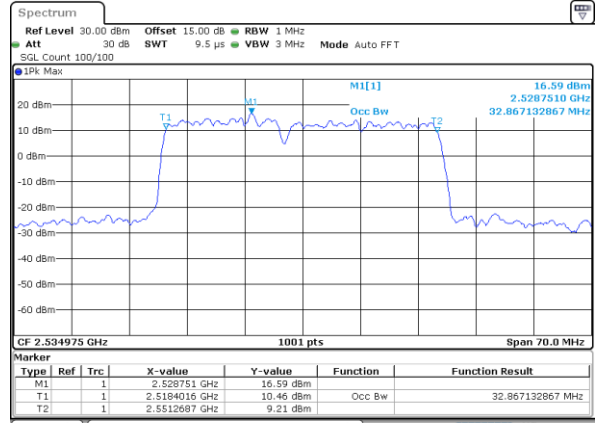
LTE Band 7C

QPSK

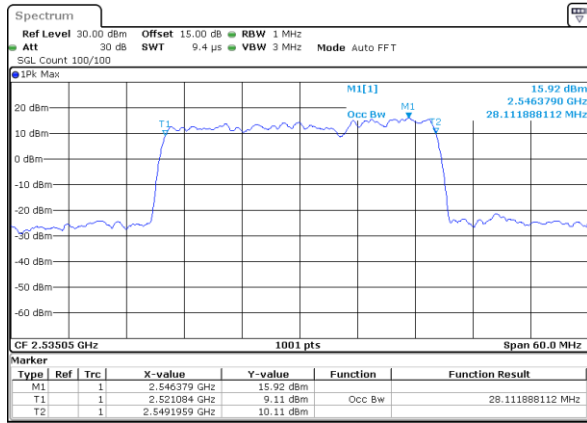
Middle Channel / 15MHz+15MHz



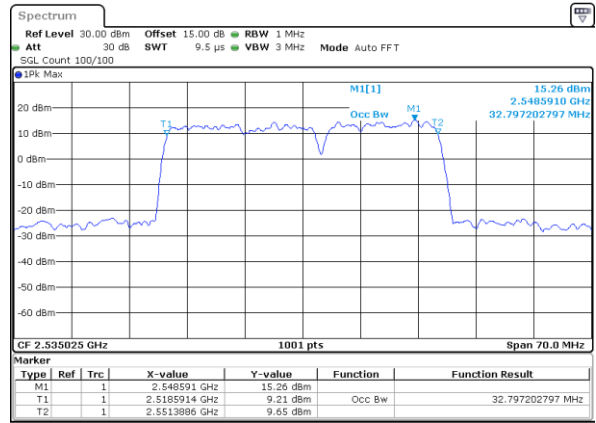
Middle Channel / 15MHz+20MHz



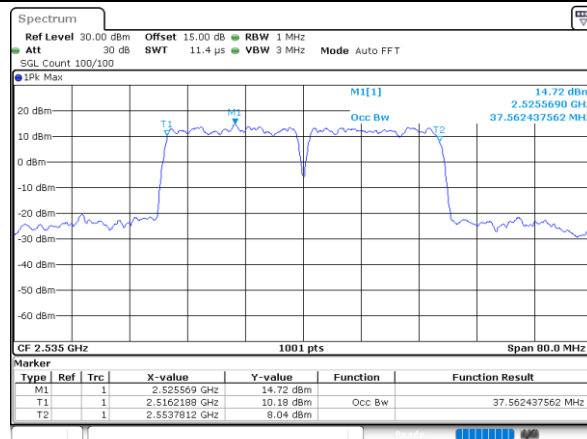
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz

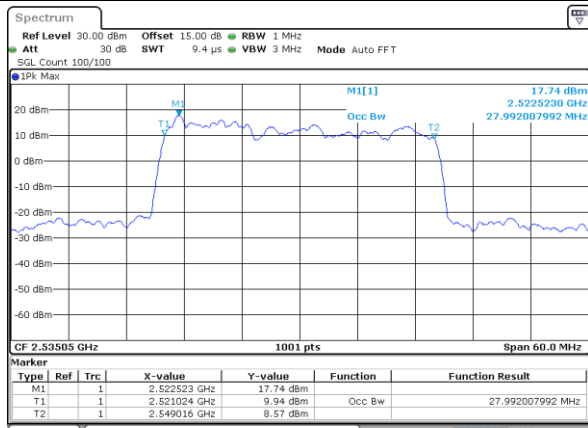




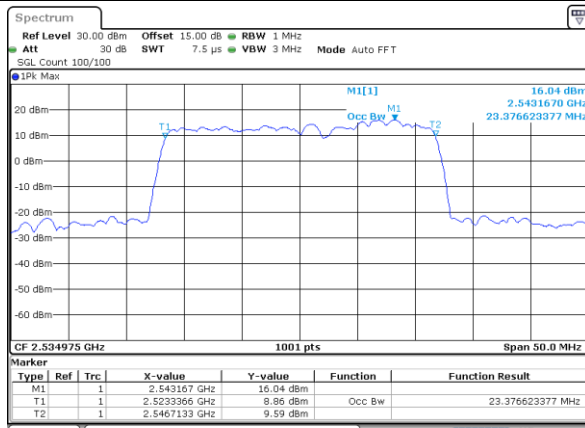
LTE Band 7C

16QAM

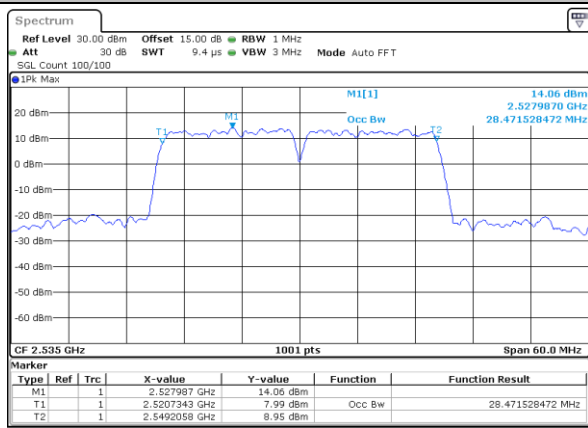
Middle Channel / 10MHz+20MHz



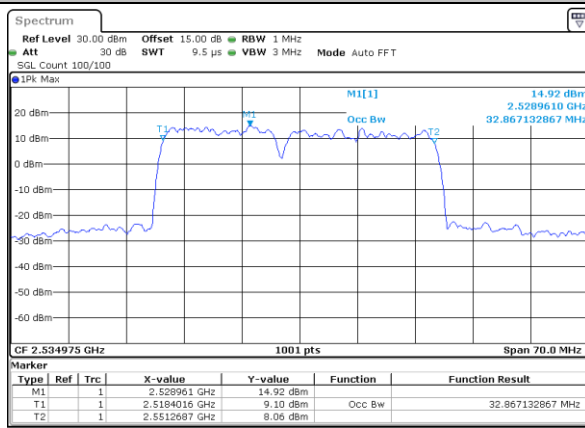
Middle Channel / 15MHz+10MHz



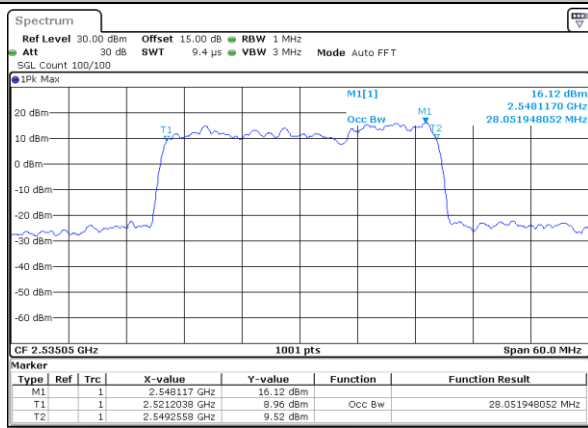
Middle Channel / 15MHz+15MHz



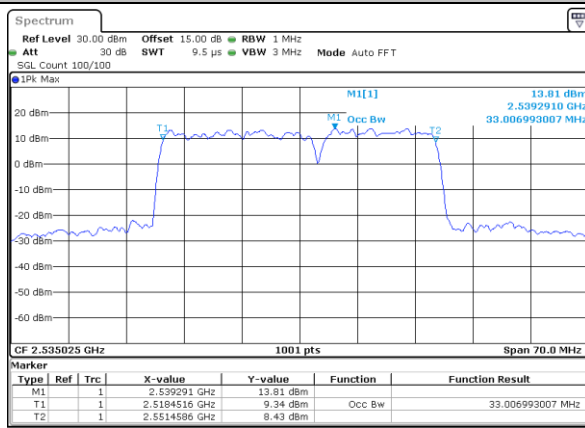
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz

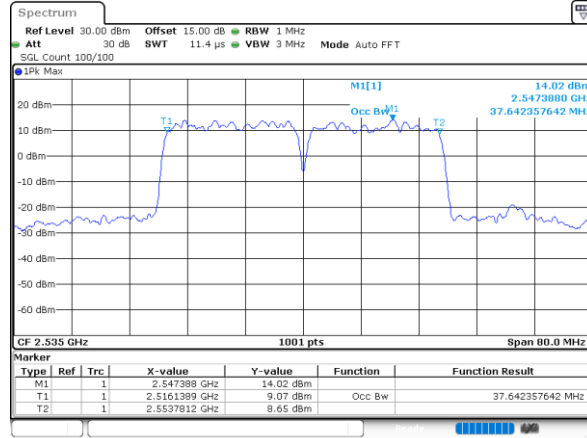




LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz



Date: 21.JUN.2025 00:31:18