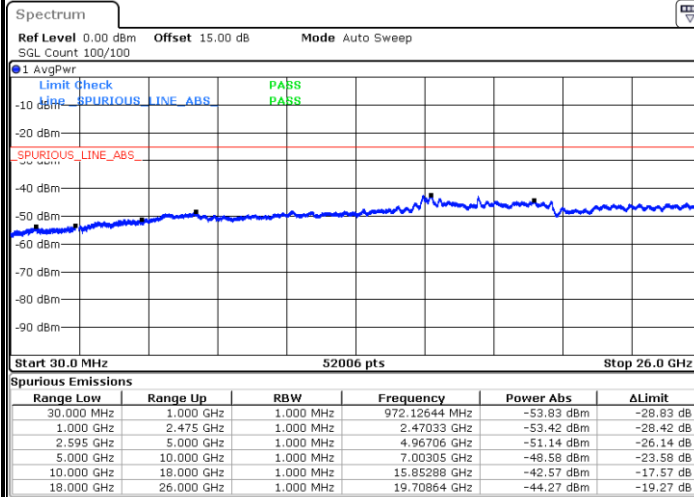




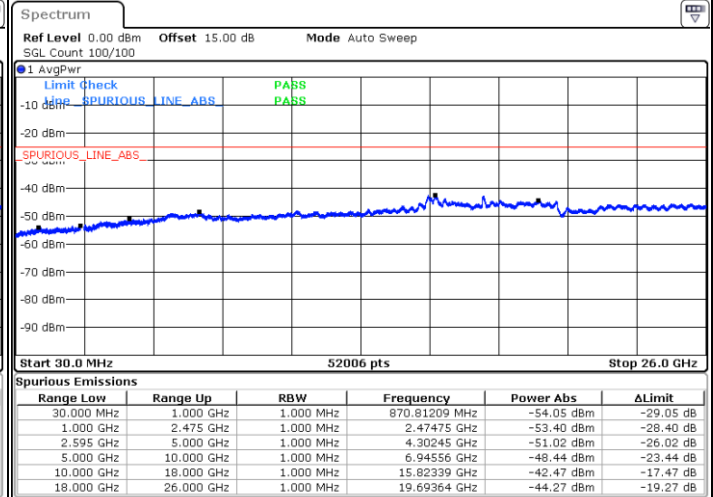
LTE Band 7 / 20MHz

Lowest Channel / QPSK



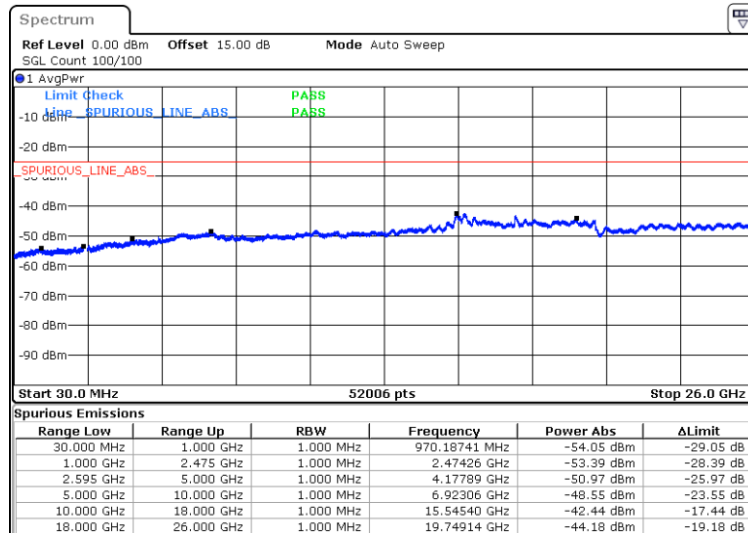
Date: 28.MAY.2025 12:35:11

Middle Channel / QPSK



Date: 28.MAY.2025 12:36:15

Highest Channel / QPSK



Date: 28.MAY.2025 12:45:03

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

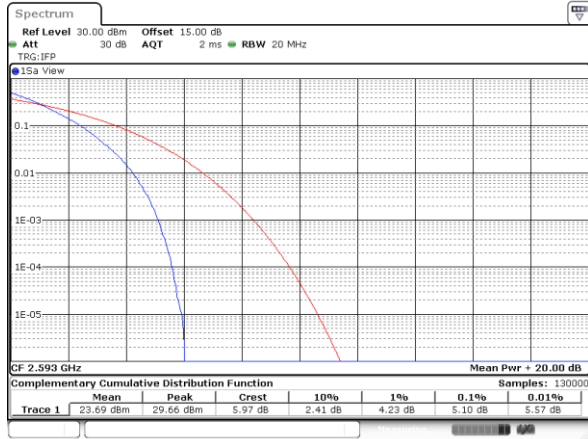
Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.10	5.68	6.17	PASS



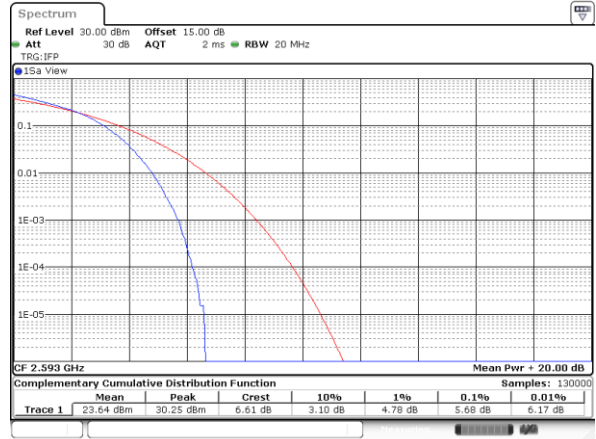
LTE Band 41 / 20MHz / QPSK

Middle Channel / Full RB



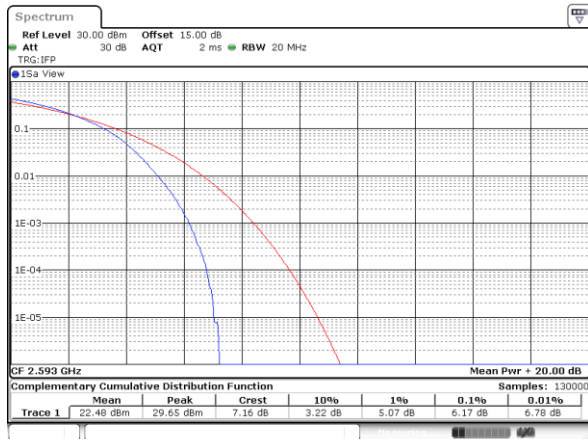
LTE Band 41 / 20MHz / 16QAM

Middle Channel / Full RB



LTE Band 41 / 20MHz / 64QAM

Middle Channel / Full RB





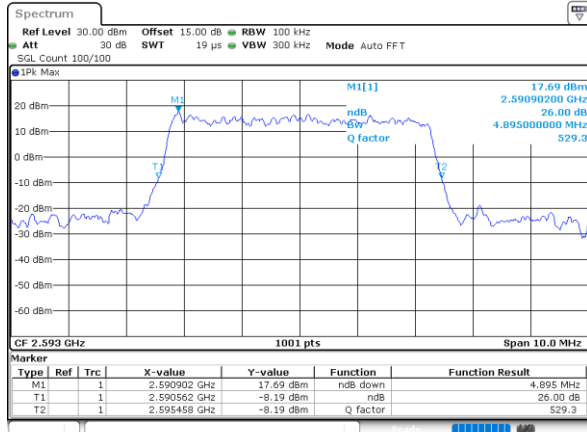
26dB Bandwidth

Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.90	4.79	9.63	9.71	14.54	14.36	18.70	18.62



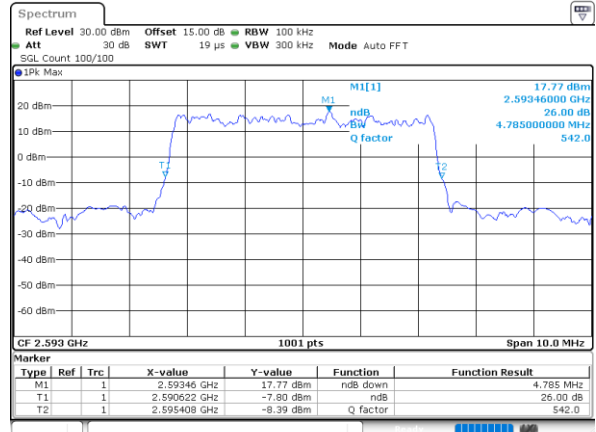
LTE Band 41

Middle Channel / 5MHz / QPSK



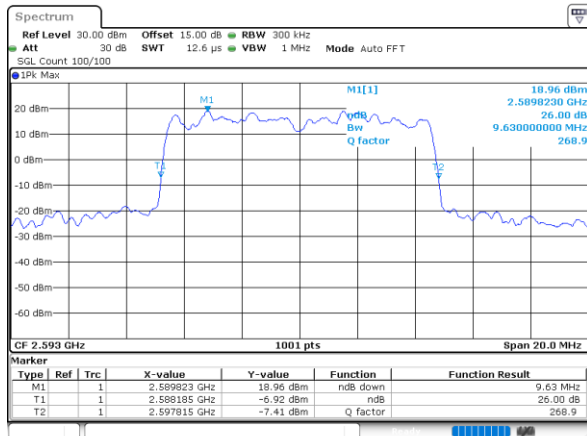
Date: 28.MAY.2025 12:54:19

Middle Channel / 5MHz / 16QAM



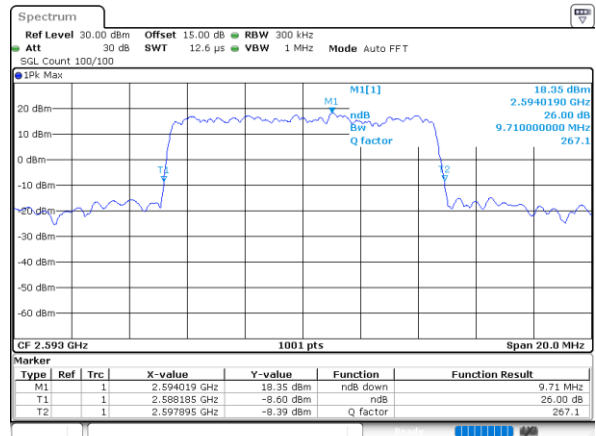
Date: 28.MAY.2025 12:54:59

Middle Channel / 10MHz / QPSK



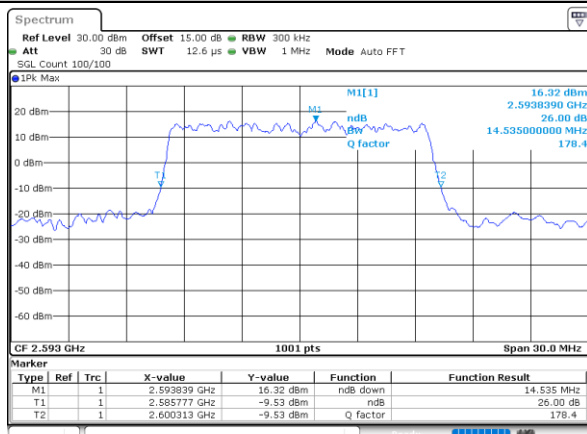
Date: 28.MAY.2025 13:11:43

Middle Channel / 10MHz / 16QAM



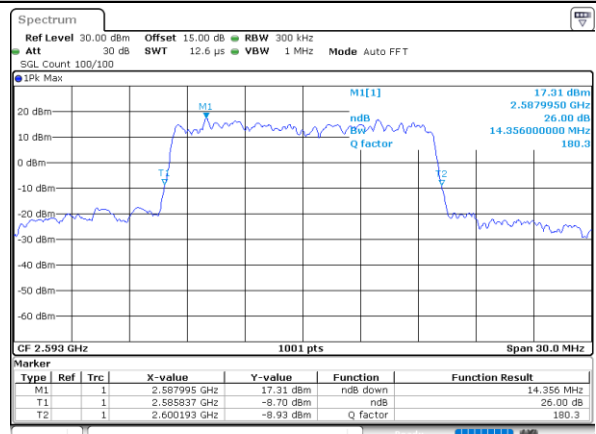
Date: 28.MAY.2025 13:12:23

Middle Channel / 15MHz / QPSK



Date: 28.MAY.2025 13:27:13

Middle Channel / 15MHz / 16QAM

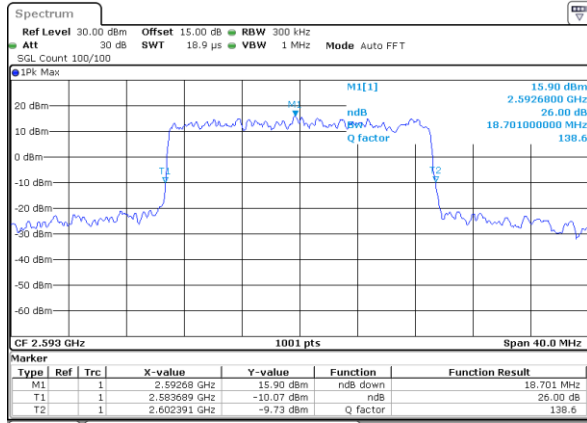


Date: 28.MAY.2025 13:27:52



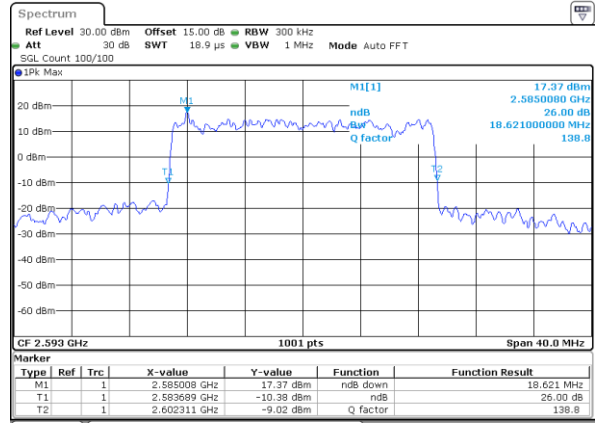
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 28.MAY.2025 13:44:03

Middle Channel / 20MHz / 16QAM



Date: 28.MAY.2025 13:44:42



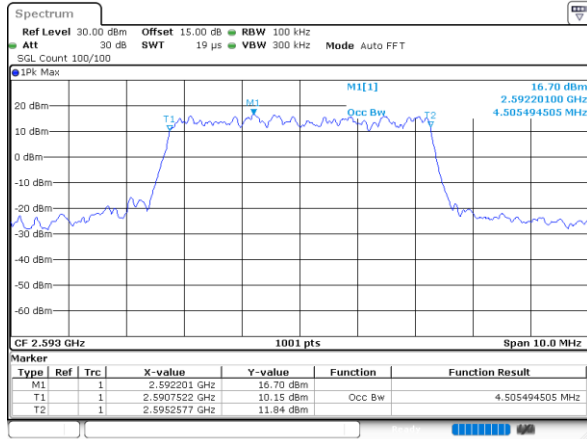
Occupied Bandwidth

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	4.50	8.97	9.07	13.43	13.34	17.82	17.94

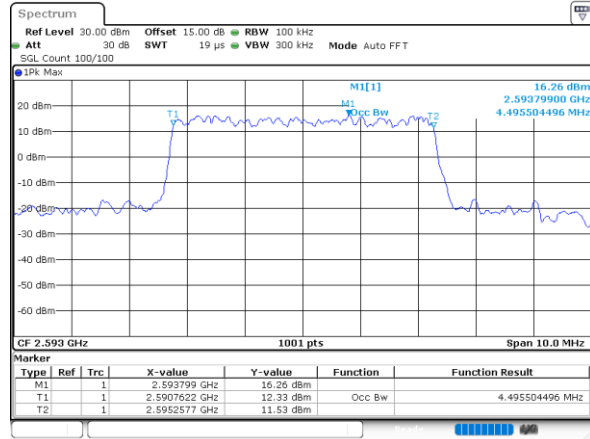


LTE Band 41

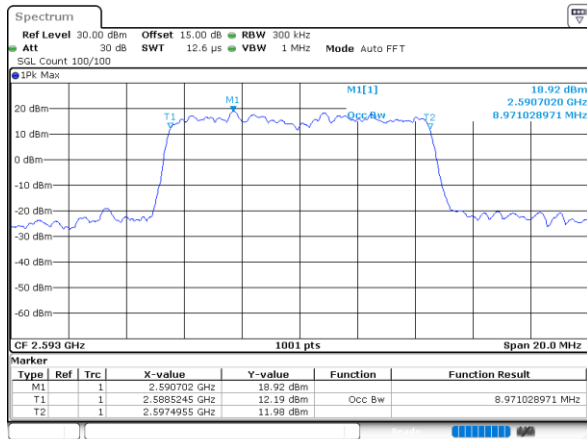
Middle Channel / 5MHz / QPSK



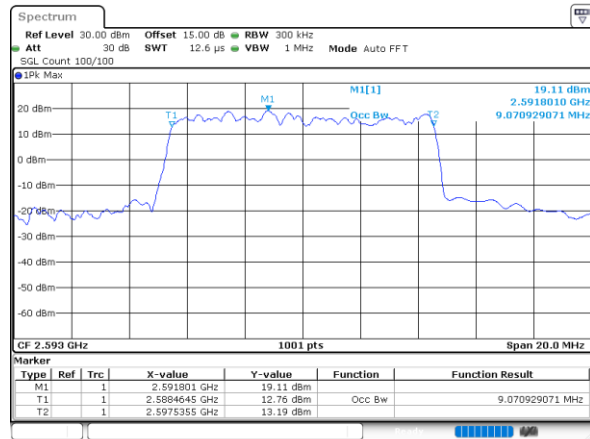
Middle Channel / 5MHz / 16QAM



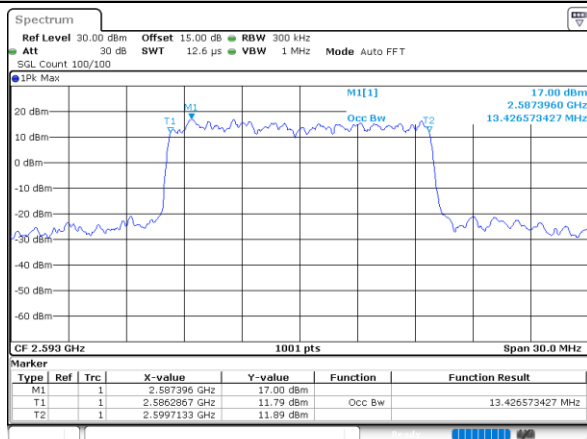
Middle Channel / 10MHz / QPSK



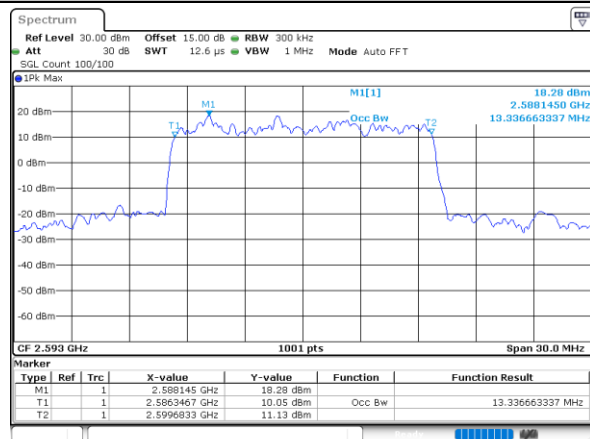
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



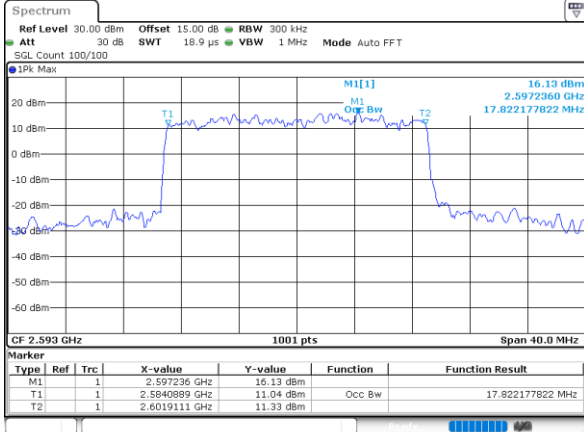
Middle Channel / 15MHz / 16QAM





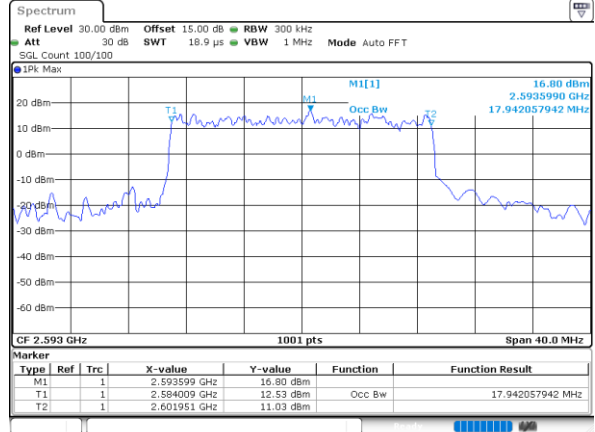
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 28.MAY.2025 13:43:49

Middle Channel / 20MHz / 16QAM



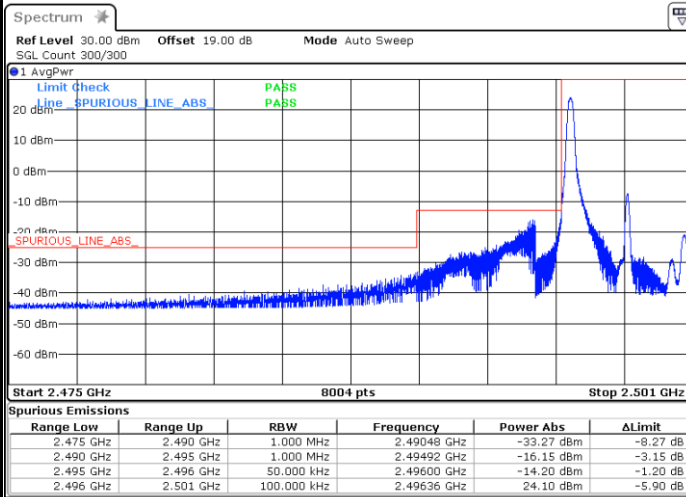
Date: 28.MAY.2025 13:44:28



Conducted Band Edge

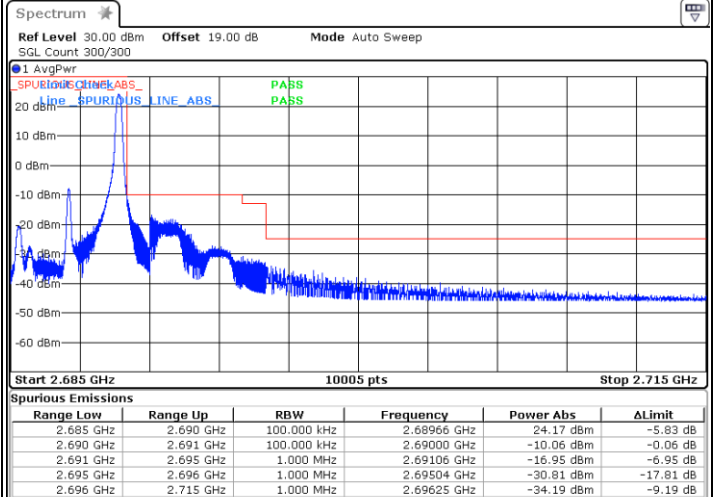
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



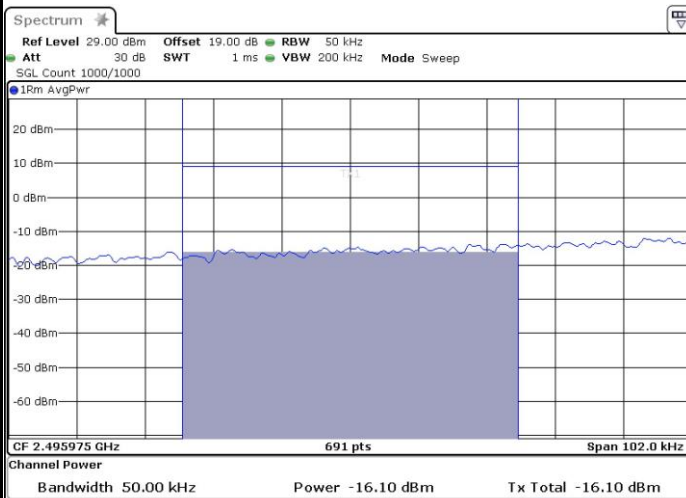
Date: 30.MAY.2025 10:35:21

Highest Band Edge / 1 RB



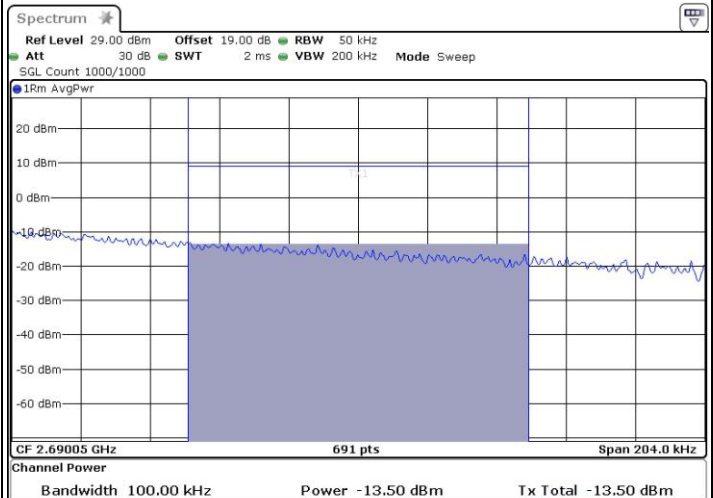
Date: 30.MAY.2025 10:22:55

Lowest Band Edge / 1 RB -CP

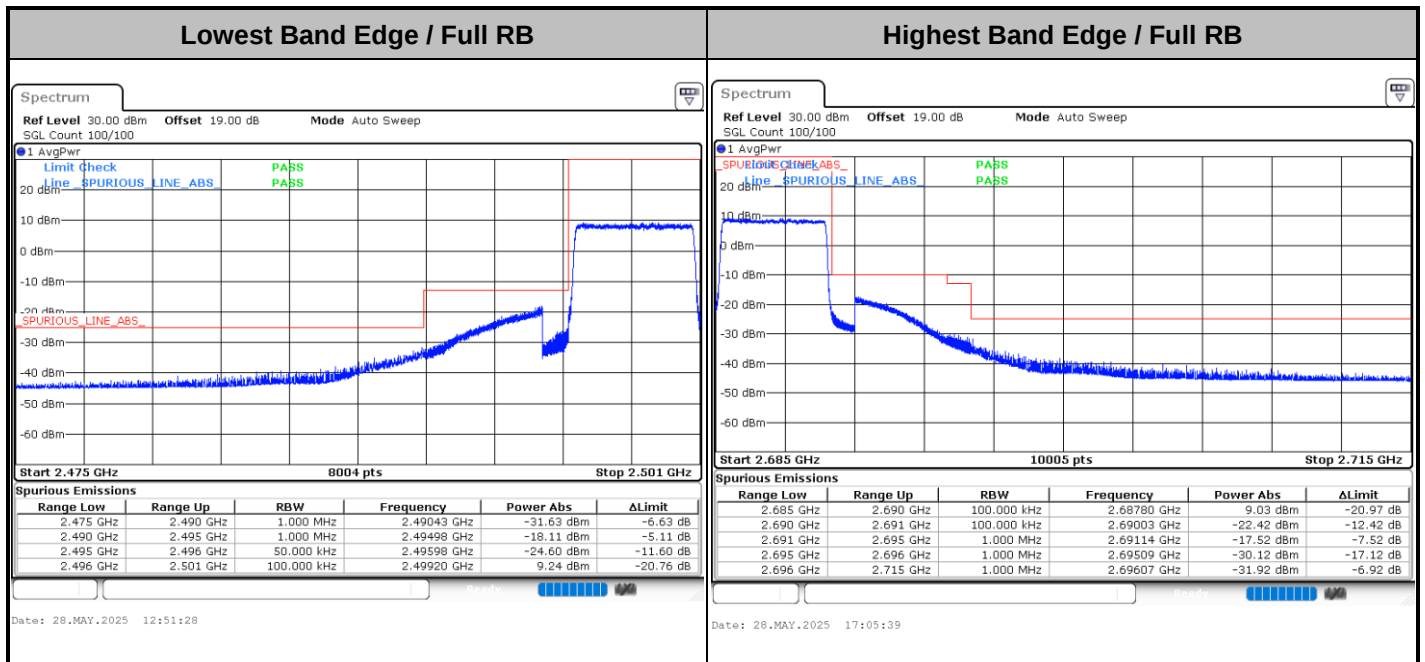


Date: 30.MAY.2025 10:37:00

Highest Band Edge / 1 RB -CP



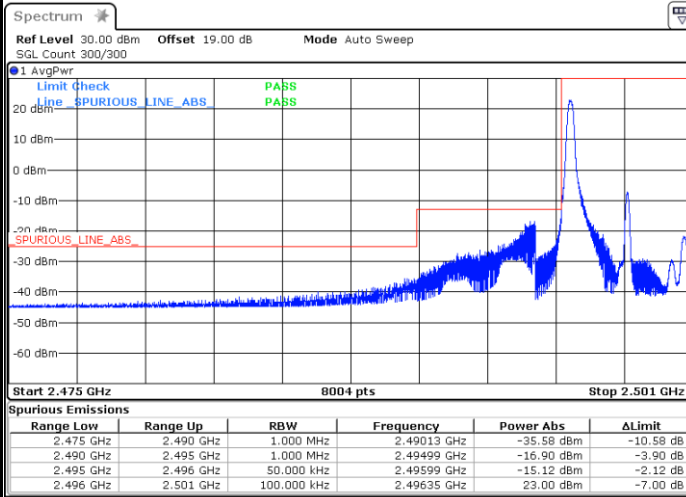
Date: 30.MAY.2025 10:24:18





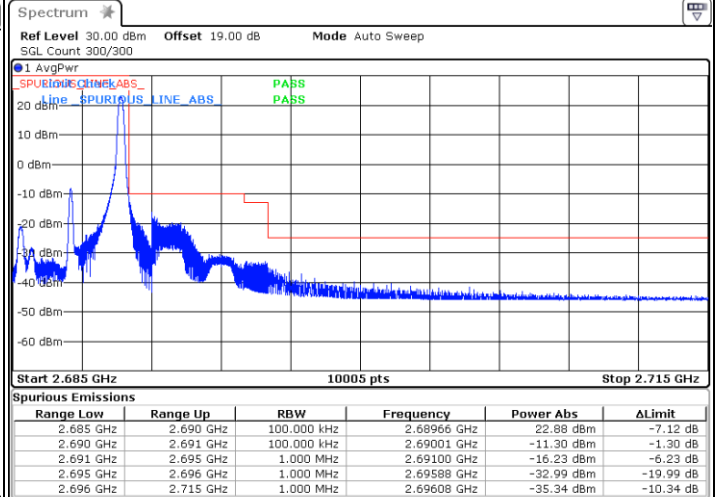
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



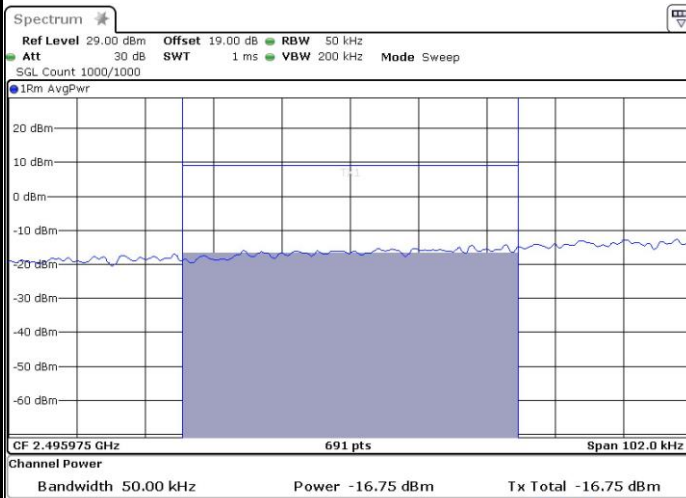
Date: 30.MAY.2025 10:30:06

Highest Band Edge / 1 RB



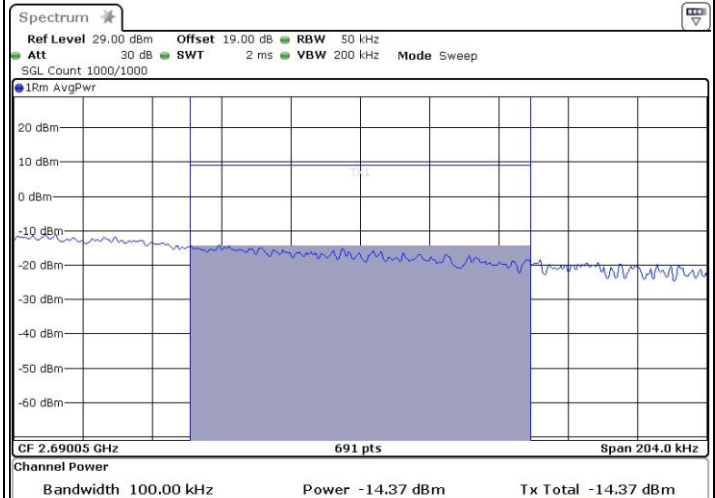
Date: 30.MAY.2025 10:12:51

Lowest Band Edge / 1RB -CP

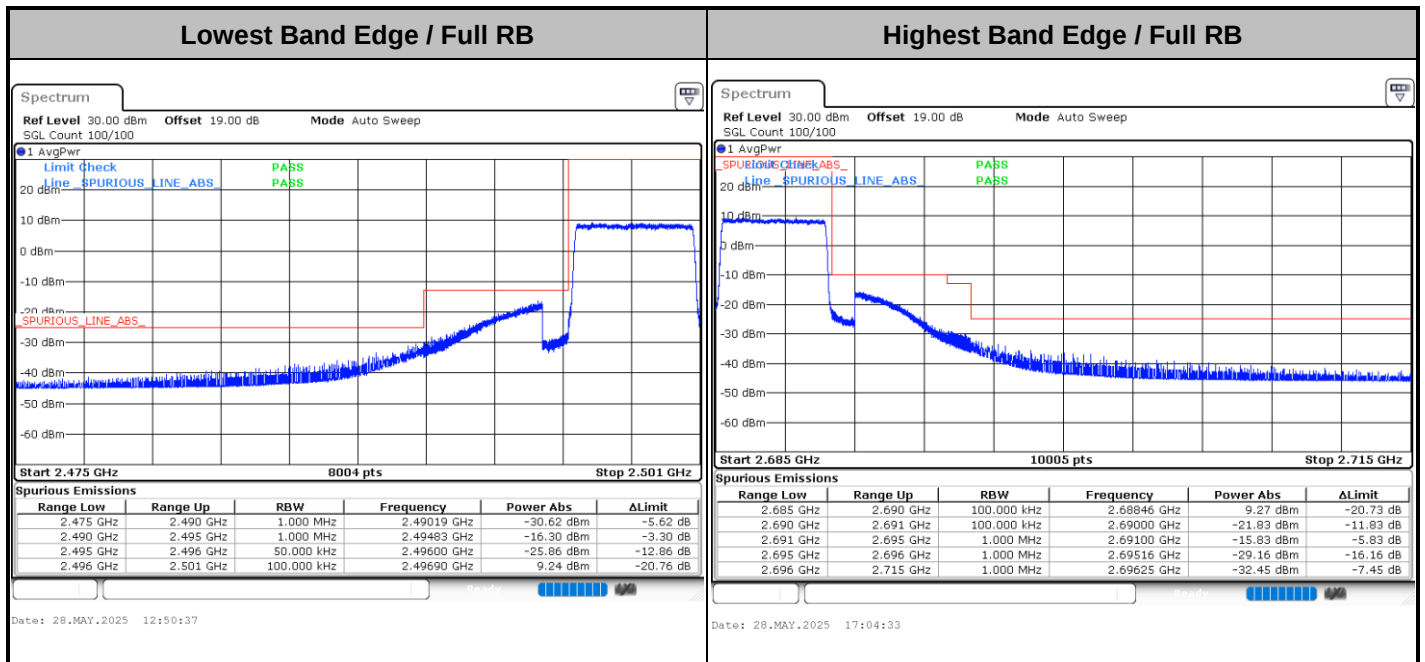


Date: 30.MAY.2025 10:31:48

Highest Band Edge / 1 RB -CP



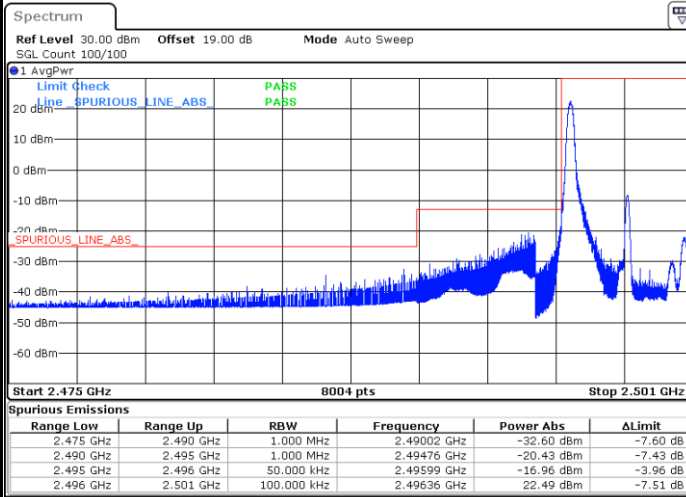
Date: 30.MAY.2025 10:19:19





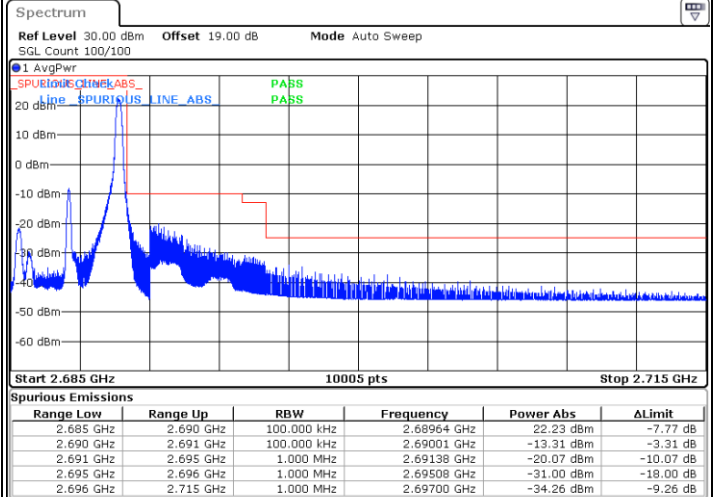
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



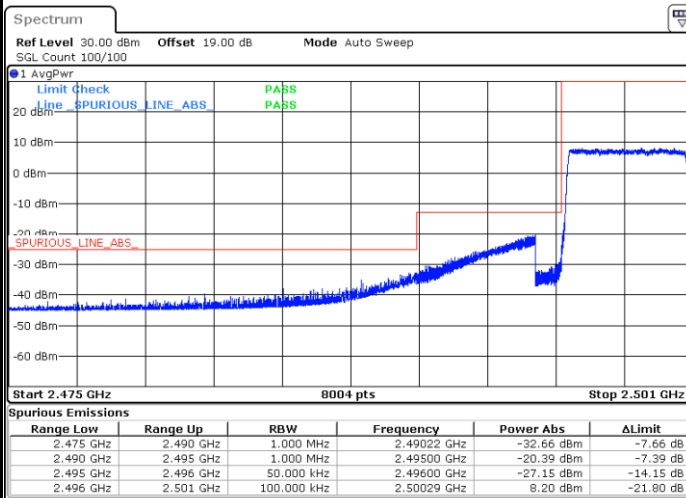
Date: 30.MAY.2025 10:38:38

Highest Band Edge / 1 RB



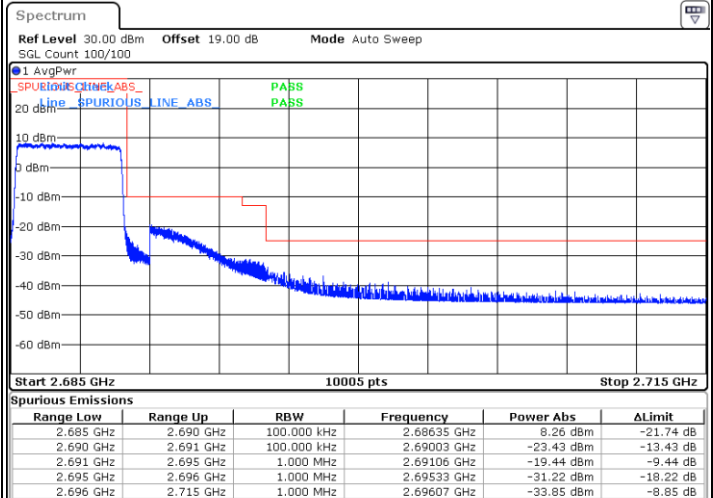
Date: 28.MAY.2025 17:02:21

Lowest Band Edge / Full RB



Date: 28.MAY.2025 12:49:45

Highest Band Edge / Full RB

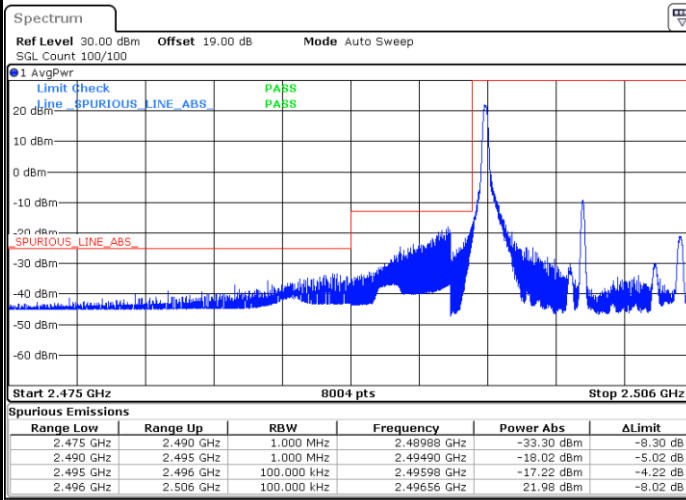


Date: 28.MAY.2025 17:03:27

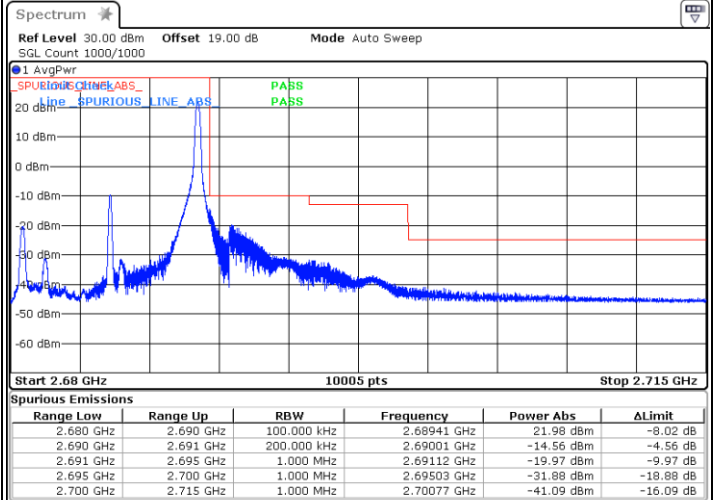


LTE Band 41 / 10MHz / QPSK

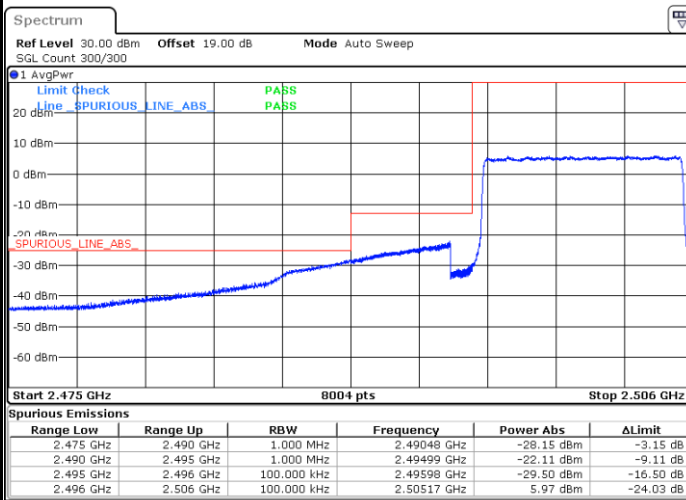
Lowest Band Edge / 1 RB



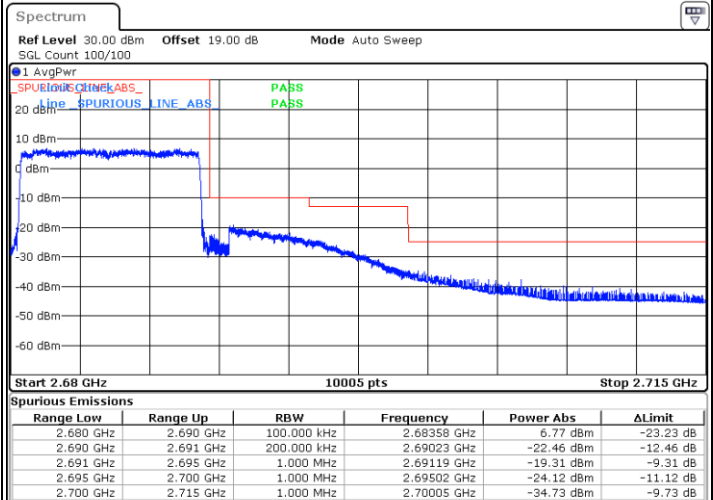
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



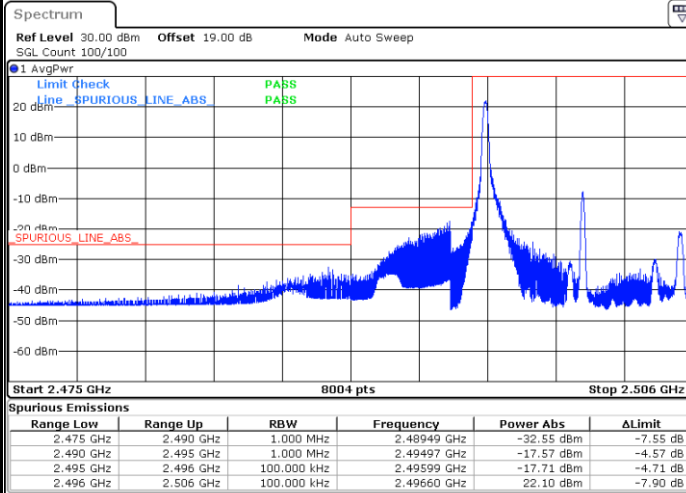
Highest Band Edge / Full RB





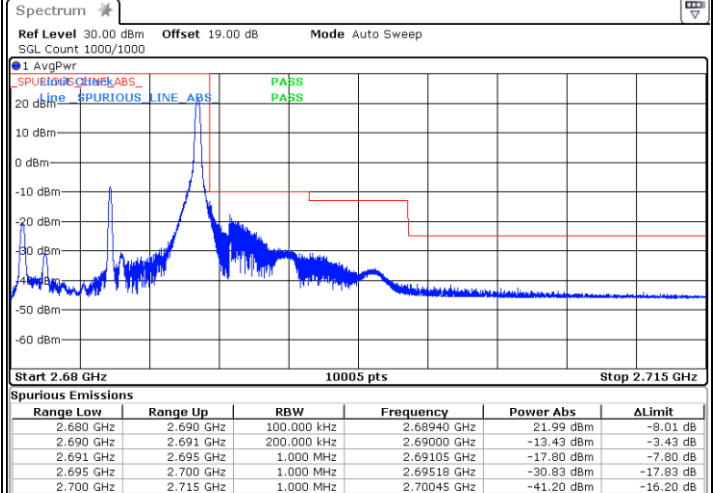
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1RB



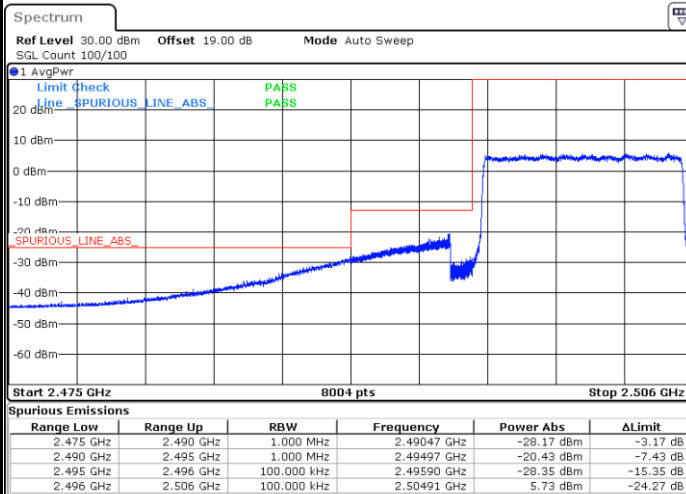
Date: 28.MAY.2025 13:05:28

Highest Band Edge / 1 RB



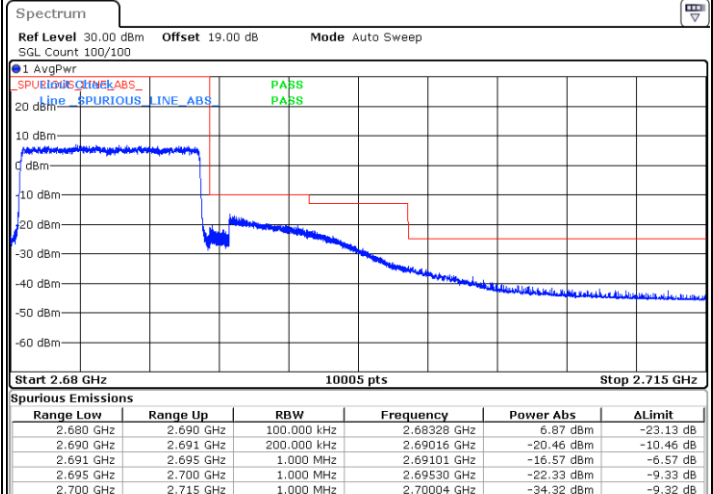
Date: 28.MAY.2025 16:40:50

Lowest Band Edge / Full RB



Date: 4.JUN.2025 09:42:41

Highest Band Edge / Full RB

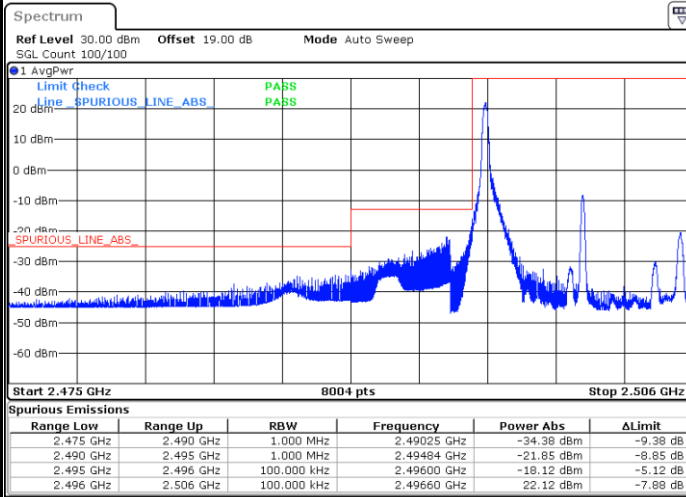


Date: 28.MAY.2025 13:16:36



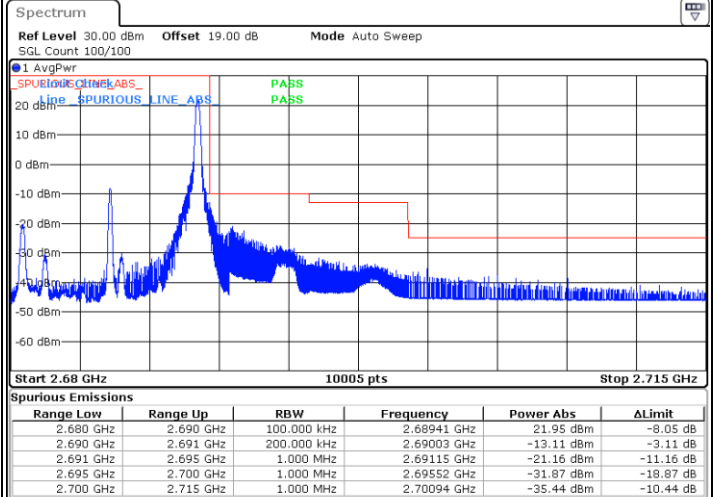
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1RB



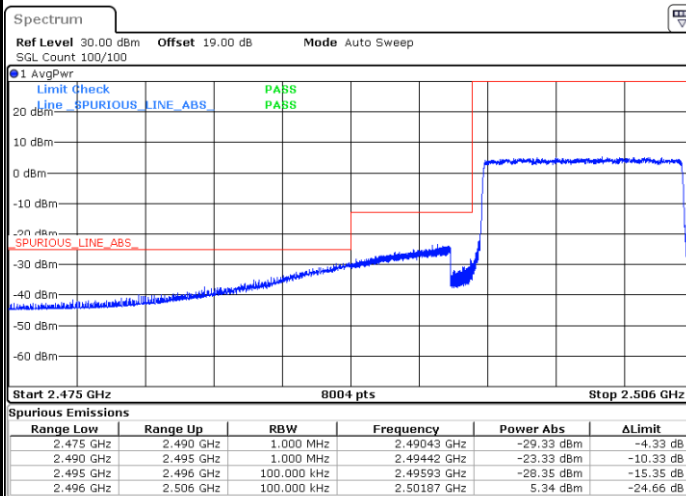
Date: 28.MAY.2025 13:06:19

Highest Band Edge / 1 RB



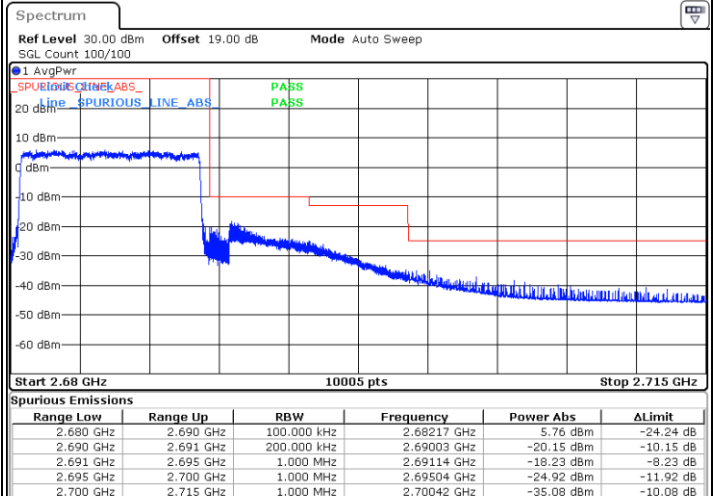
Date: 28.MAY.2025 16:41:58

Lowest Band Edge / Full RB



Date: 28.MAY.2025 13:07:10

Highest Band Edge / Full RB

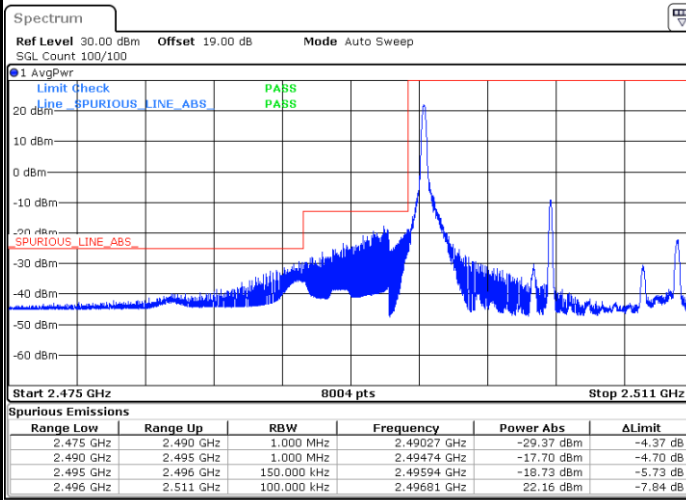


Date: 28.MAY.2025 13:15:45

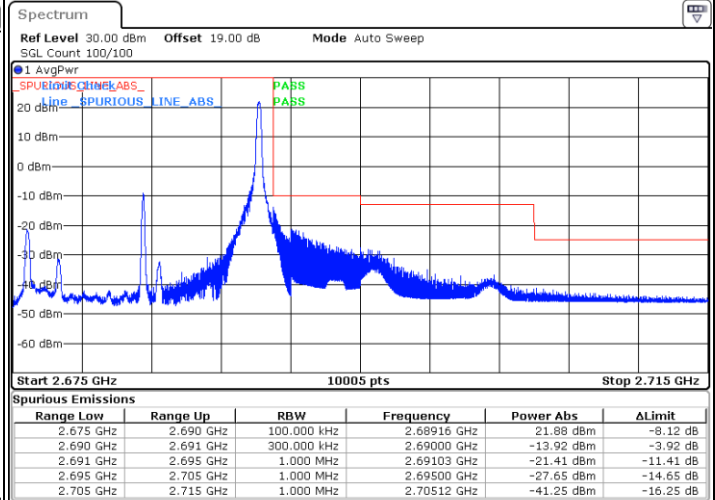


LTE Band 41 / 15MHz / QPSK

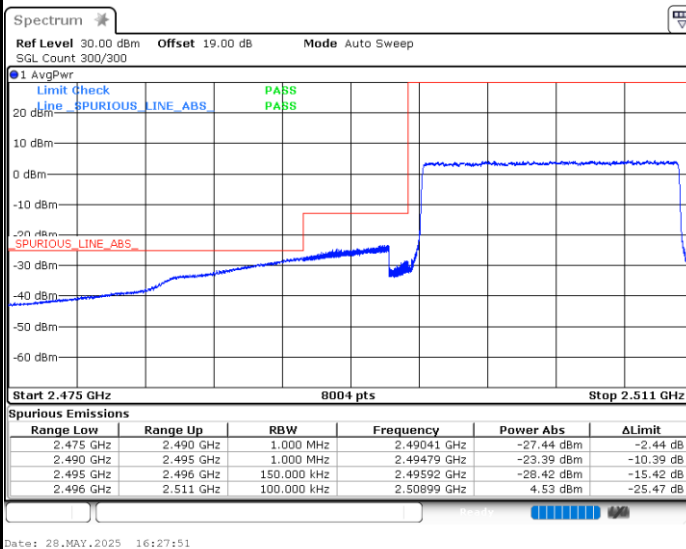
Lowest Band Edge / 1 RB



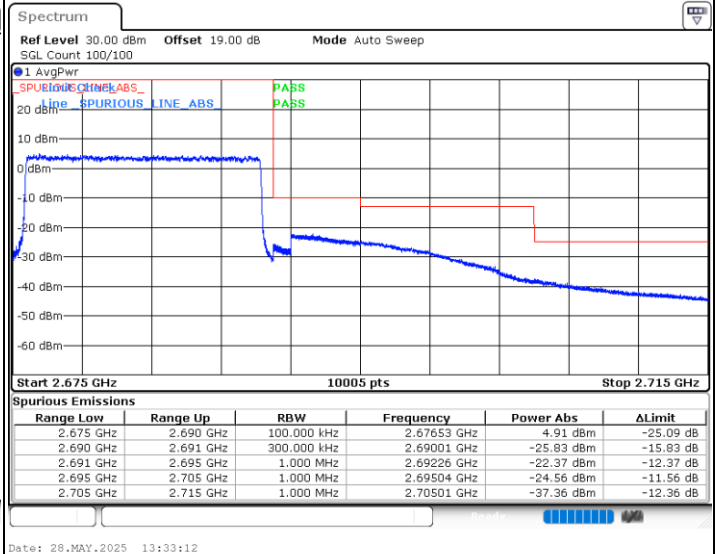
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



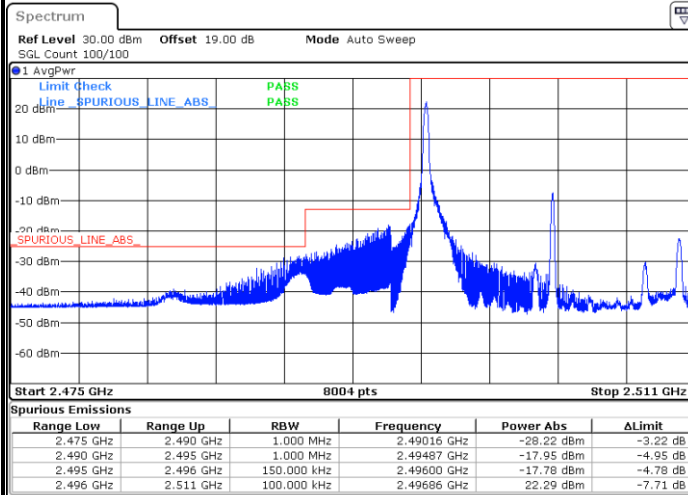
Highest Band Edge / Full RB





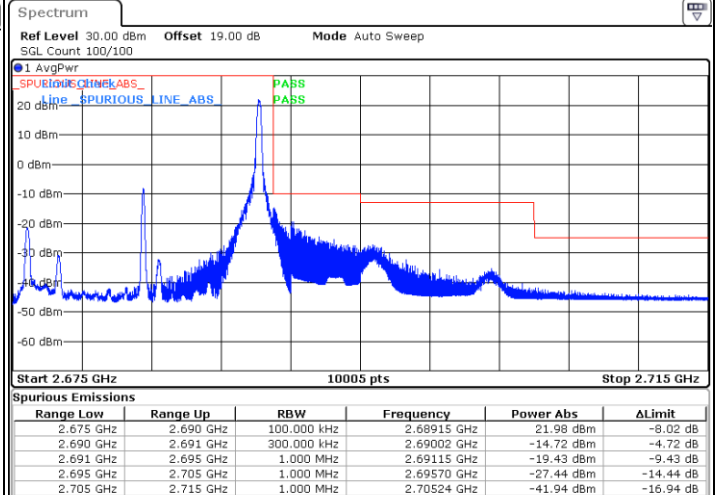
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1RB



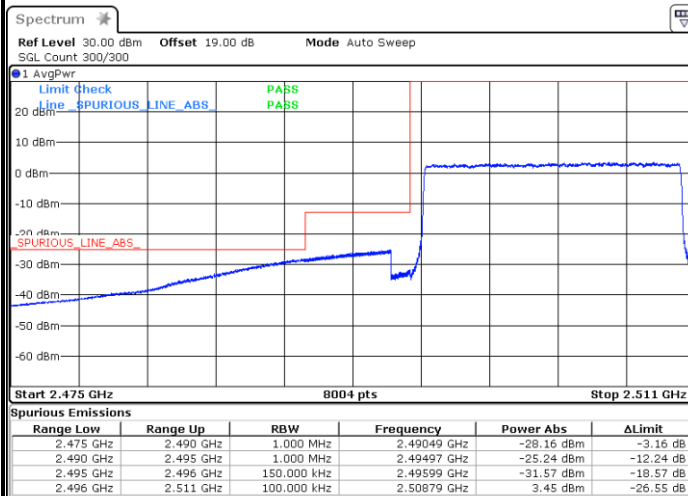
Date: 28.MAY.2025 13:20:57

Highest Band Edge / 1 RB



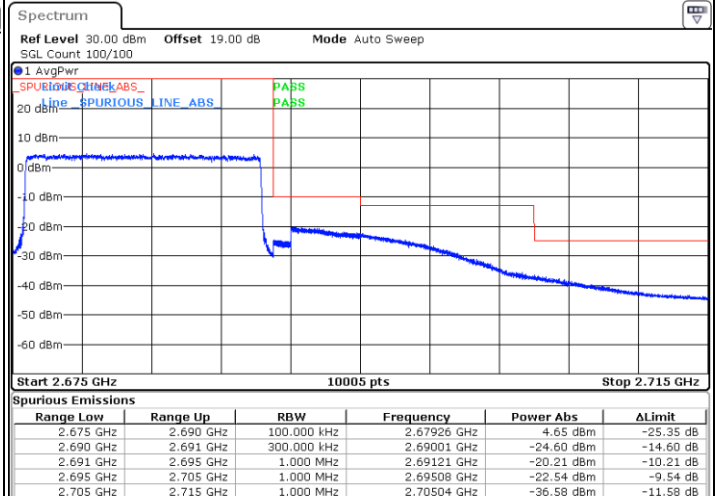
Date: 28.MAY.2025 13:29:38

Lowest Band Edge / Full RB



Date: 4.JUN.2025 09:46:19

Highest Band Edge / Full RB

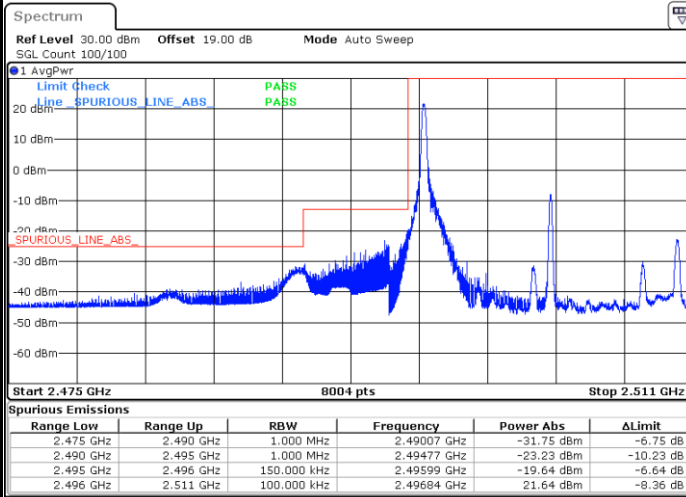


Date: 28.MAY.2025 13:32:19



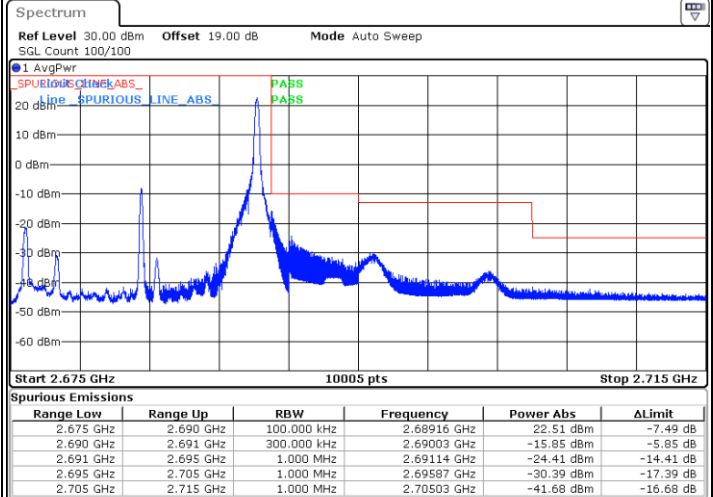
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1RB



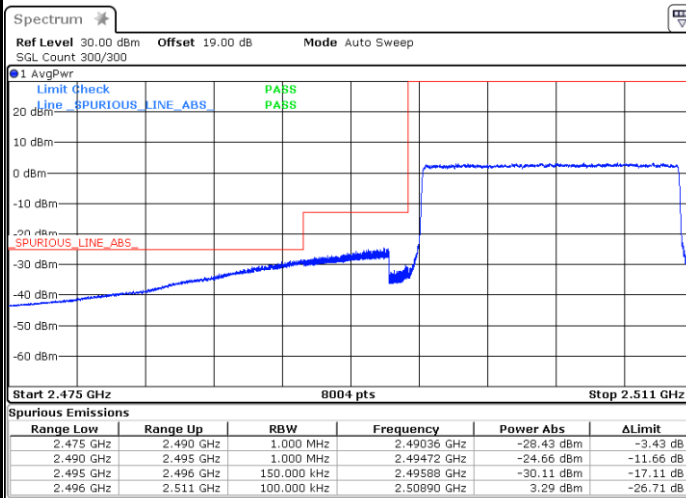
Date: 28.MAY.2025 13:21:49

Highest Band Edge / 1 RB



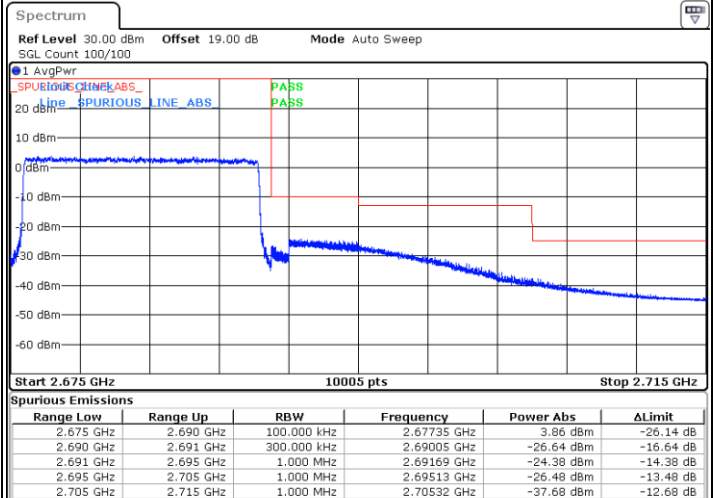
Date: 28.MAY.2025 13:30:32

Lowest Band Edge / Full RB



Date: 28.MAY.2025 16:25:12

Highest Band Edge / Full RB

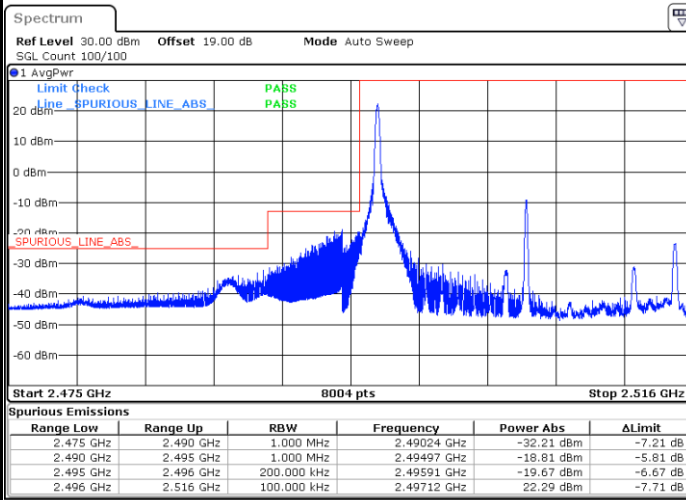


Date: 28.MAY.2025 13:31:25

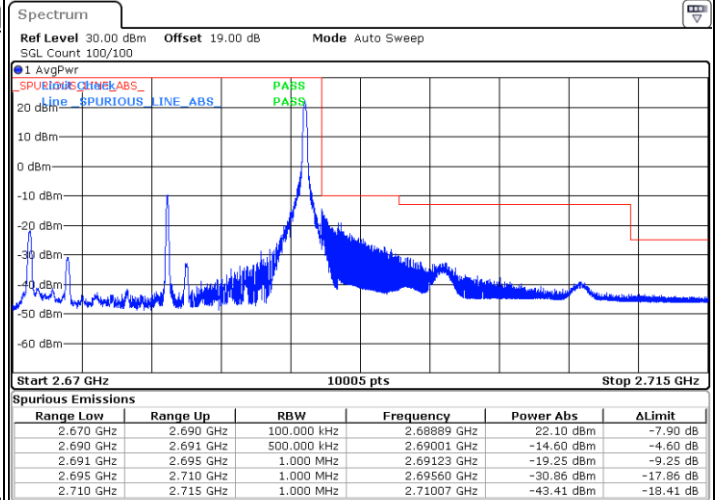


LTE Band 41 / 20MHz / QPSK

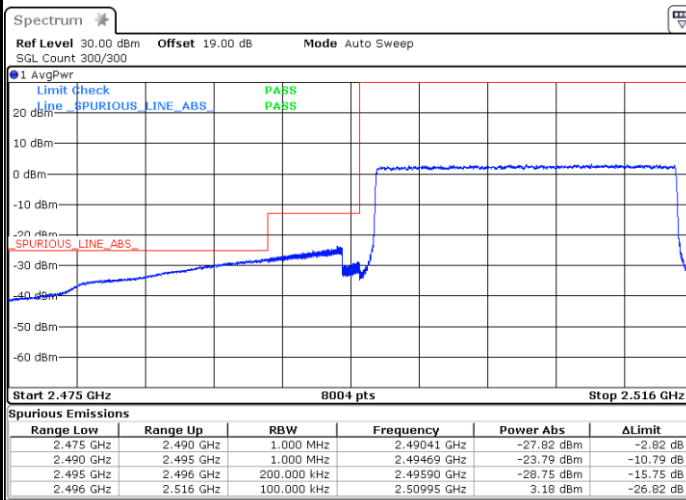
Lowest Band Edge / 1 RB



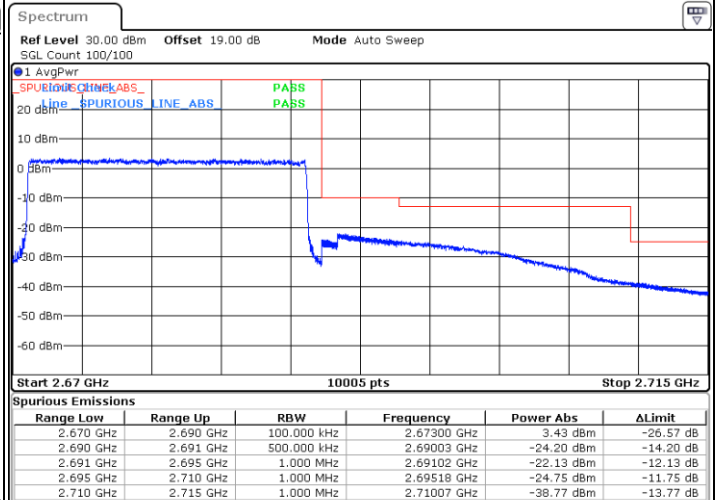
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



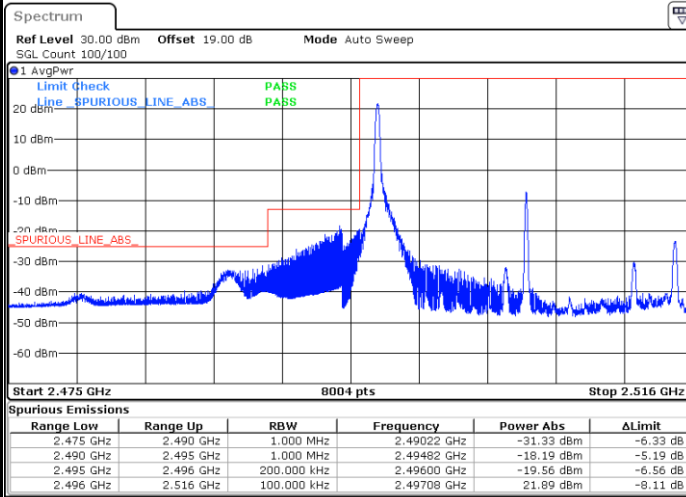
Highest Band Edge / Full RB





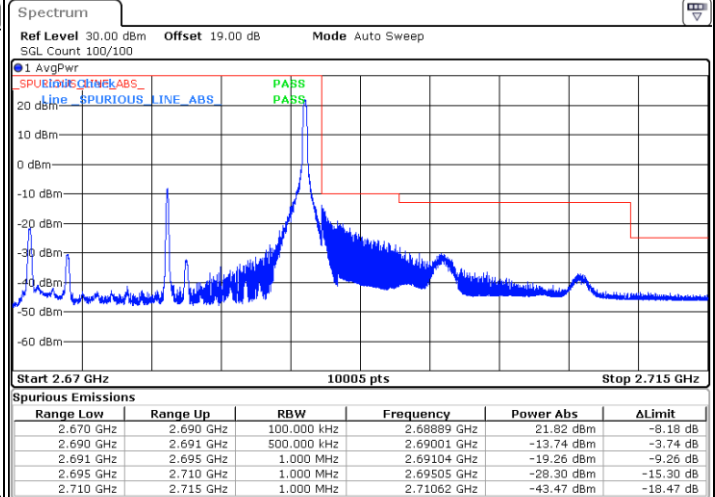
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1RB



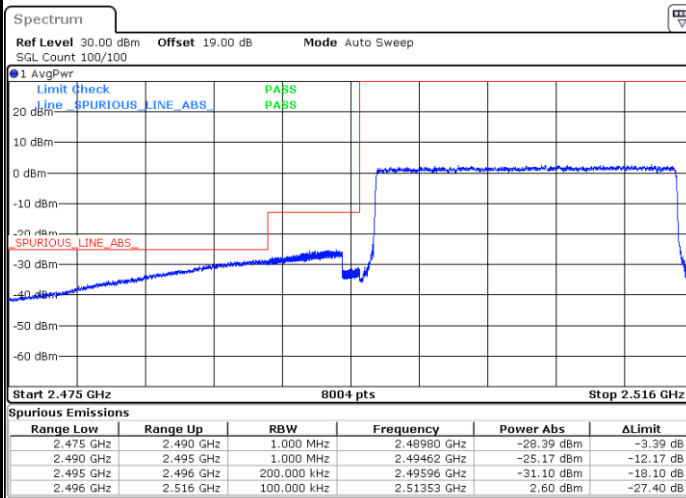
Date: 28.MAY.2025 13:37:47

Highest Band Edge / 1 RB



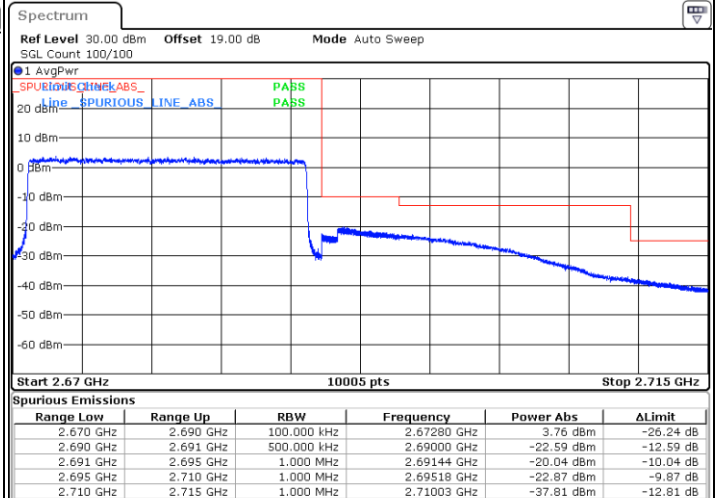
Date: 28.MAY.2025 13:47:49

Lowest Band Edge / Full RB



Date: 4.JUN.2025 09:47:55

Highest Band Edge / Full RB

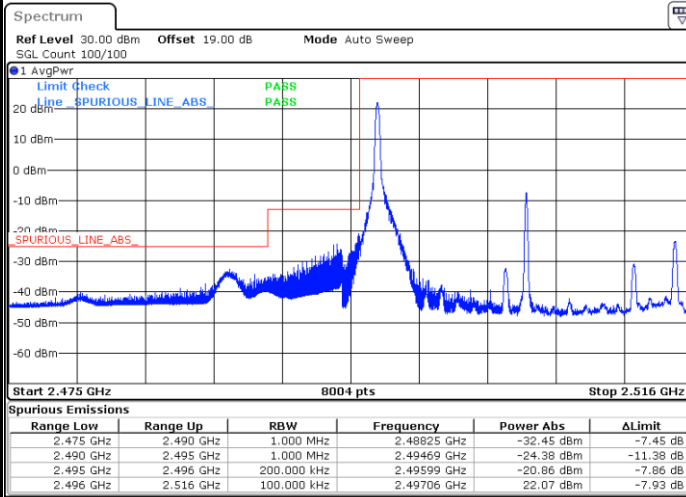


Date: 28.MAY.2025 13:50:30



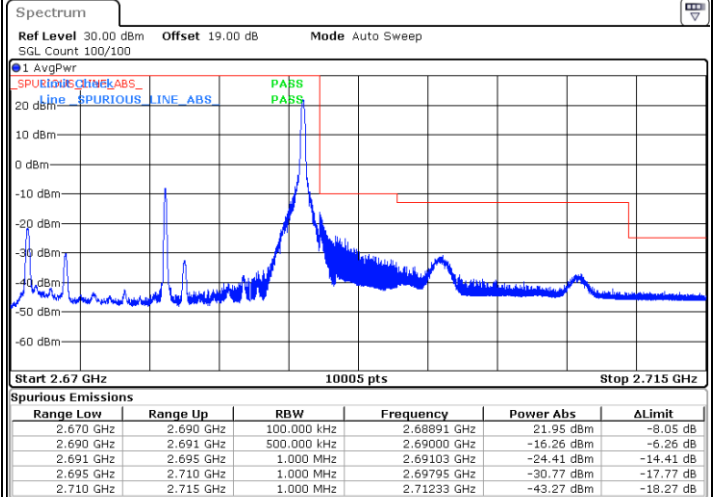
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1RB



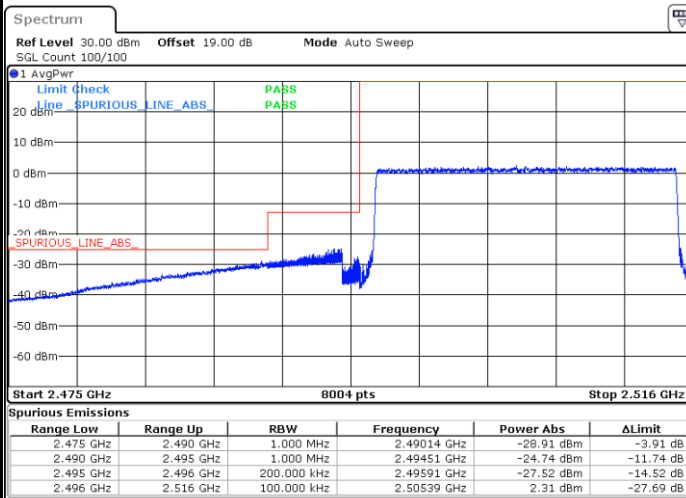
Date: 28.MAY.2025 13:38:38

Highest Band Edge / 1 RB



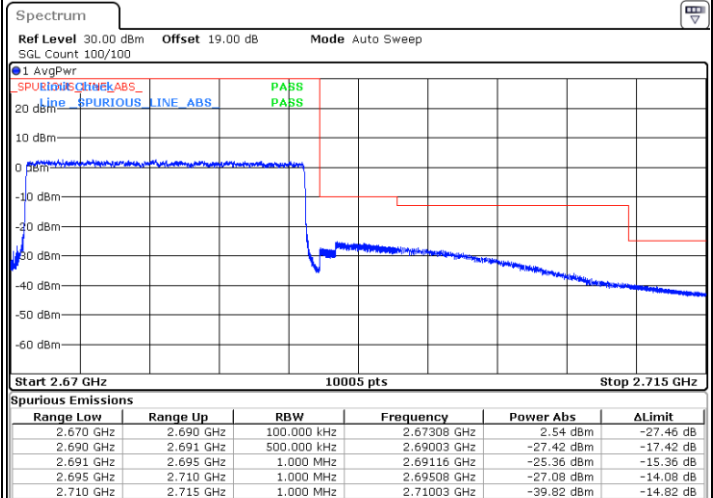
Date: 28.MAY.2025 13:48:42

Lowest Band Edge / Full RB



Date: 28.MAY.2025 13:39:30

Highest Band Edge / Full RB



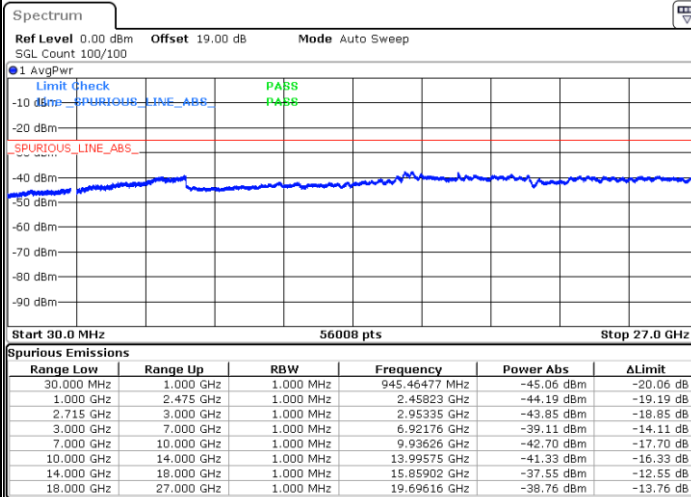
Date: 28.MAY.2025 13:49:36



Conducted Spurious Emission

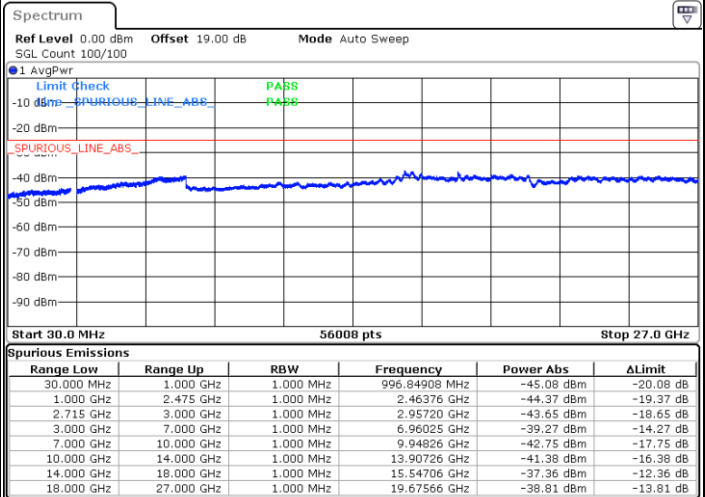
LTE Band 41 / 5MHz

Lowest Channel / QPSK



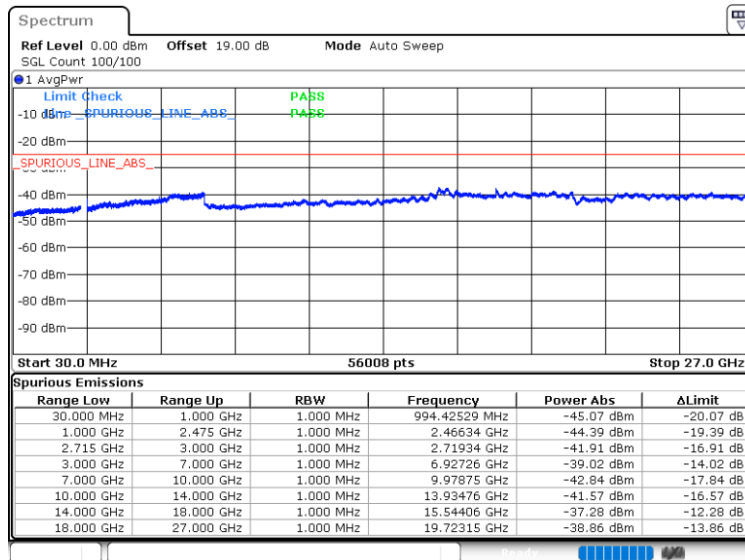
Date: 28.MAY.2025 12:52:34

Middle Channel / QPSK



Date: 28.MAY.2025 12:53:39

Highest Channel / QPSK

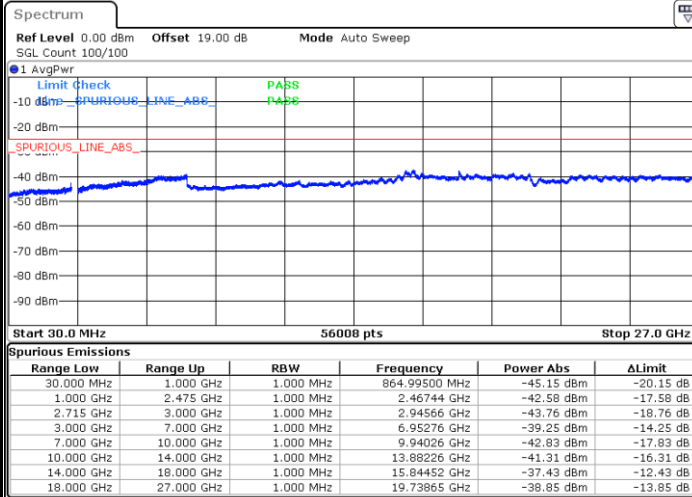


Date: 28.MAY.2025 13:02:24



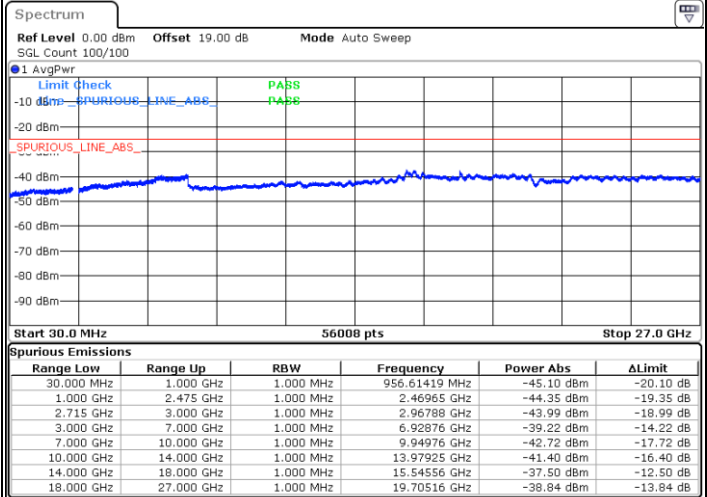
LTE Band 41 / 10MHz

Lowest Channel / QPSK



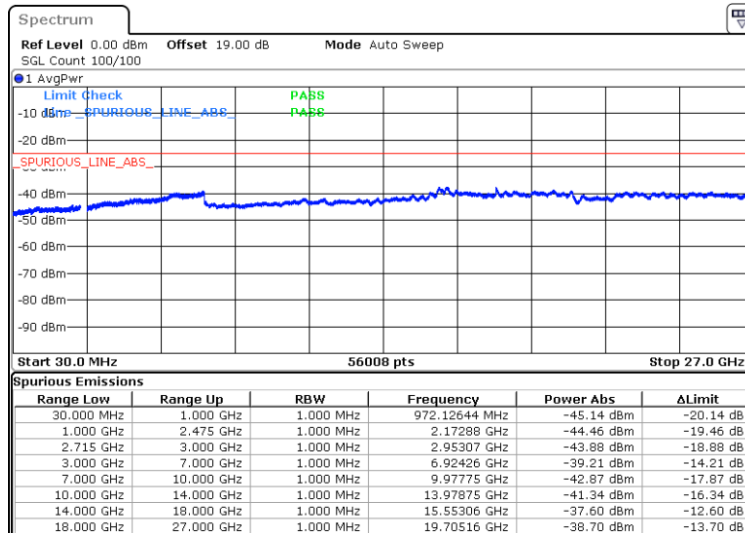
Date: 28.MAY.2025 13:09:58

Middle Channel / QPSK



Date: 28.MAY.2025 13:11:03

Highest Channel / QPSK

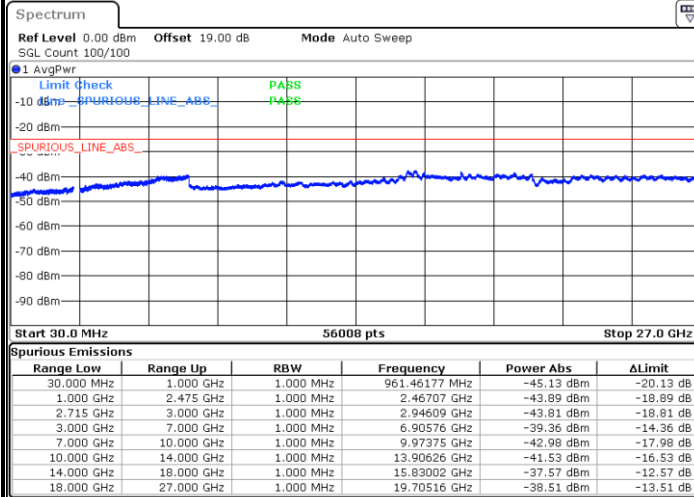


Date: 28.MAY.2025 13:18:33



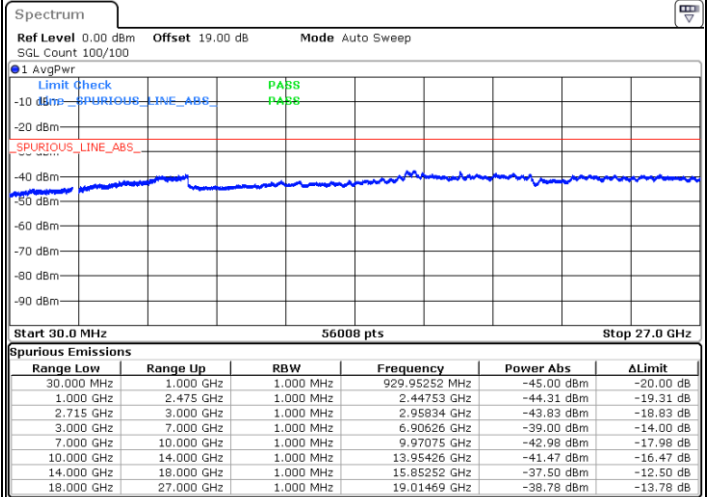
LTE Band 41 / 15MHz

Lowest Channel / QPSK



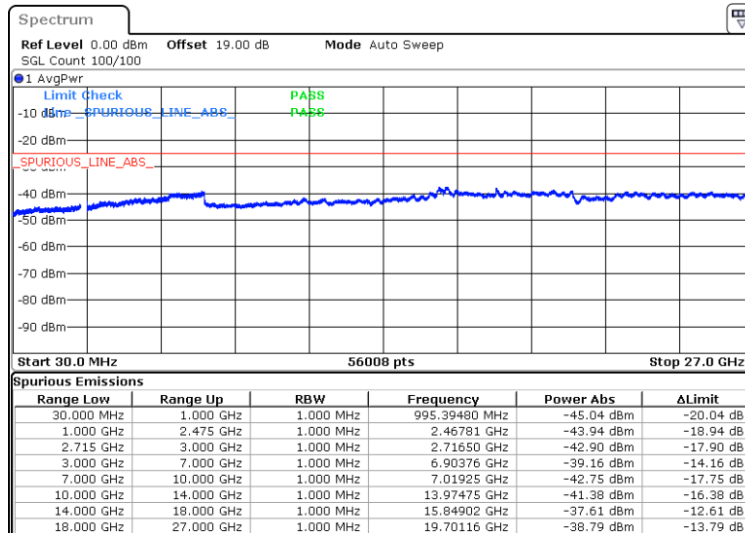
Date: 28.MAY.2025 13:25:28

Middle Channel / QPSK



Date: 28.MAY.2025 13:26:33

Highest Channel / QPSK

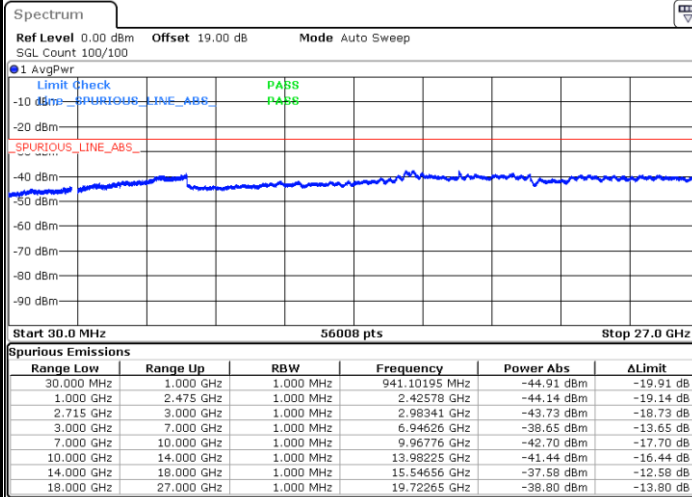


Date: 28.MAY.2025 13:34:18



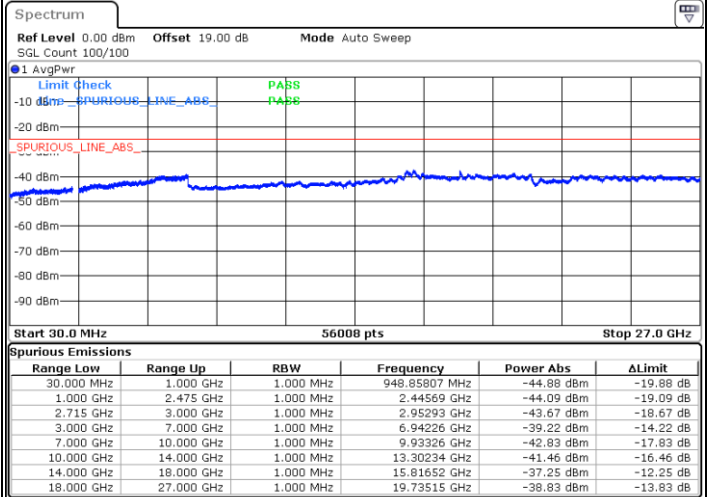
LTE Band 41 / 20MHz

Lowest Channel / QPSK



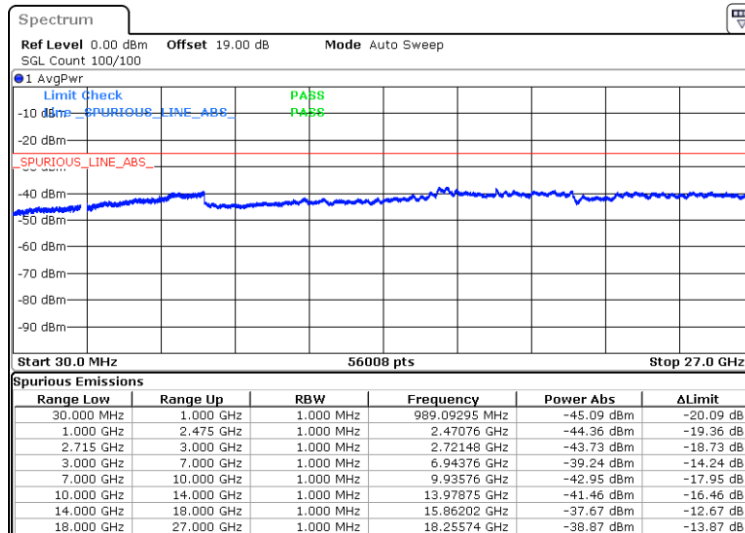
Date: 28.MAY.2025 13:42:18

Middle Channel / QPSK



Date: 28.MAY.2025 13:43:23

Highest Channel / QPSK



Date: 28.MAY.2025 14:17:23

**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	30.09	25.33	30.69	34.97
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.15	34.97	39.96	

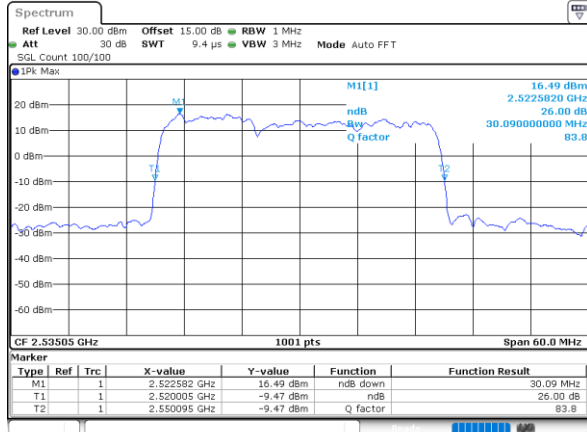
Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	30.03	25.28	30.69	34.90
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.03	34.97	39.80	



LTE Band 7C

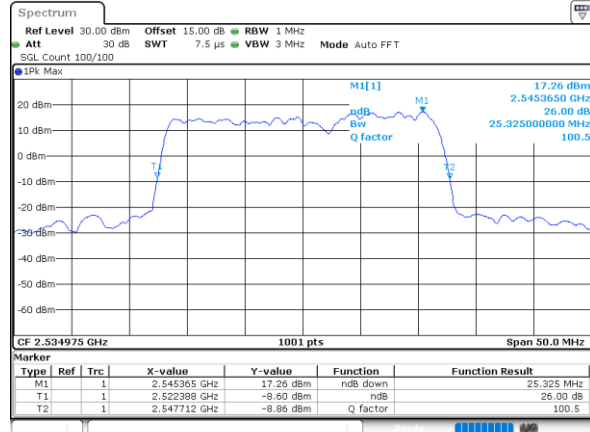
QPSK

Middle Channel / 10MHz+20MHz



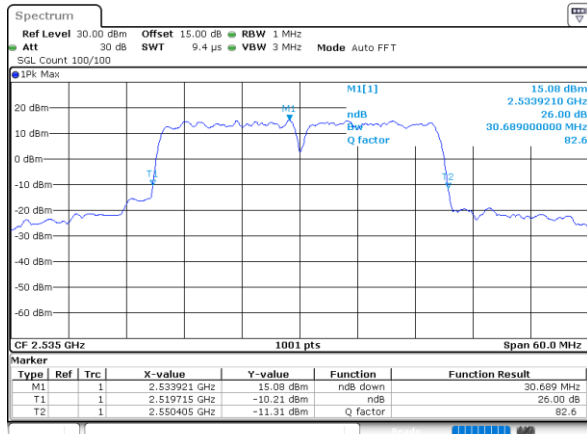
Date: 30.MAY.2025 16:37:09

Middle Channel / 15MHz+10MHz



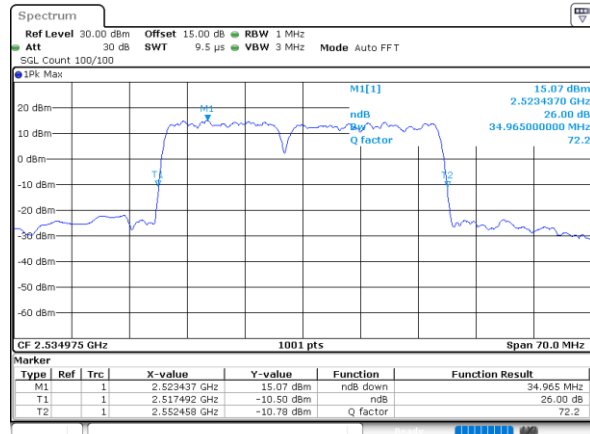
Date: 30.MAY.2025 18:29:15

Middle Channel / 15MHz+15MHz



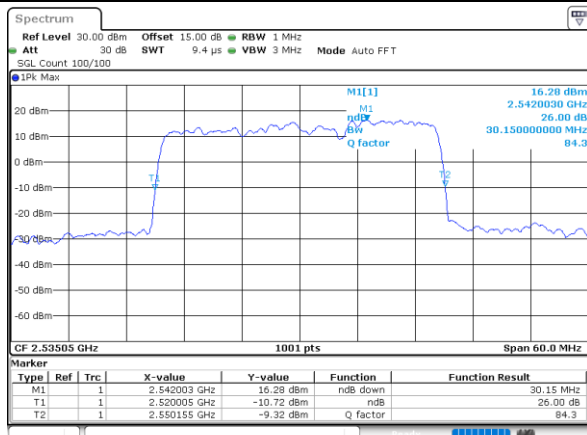
Date: 30.MAY.2025 17:15:31

Middle Channel / 15MHz+20MHz



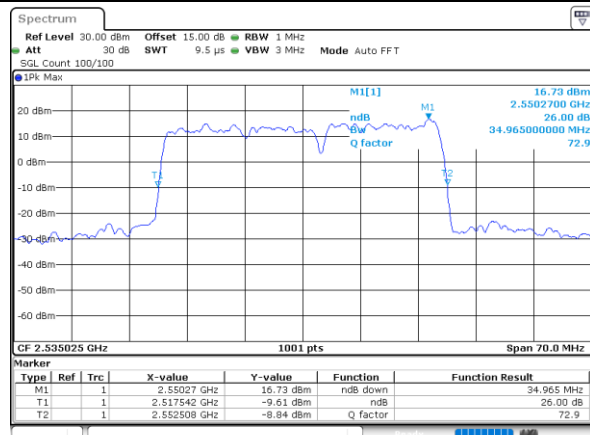
Date: 30.MAY.2025 17:33:40

Middle Channel / 20MHz+10MHz



Date: 30.MAY.2025 16:56:10

Middle Channel / 20MHz+15MHz



Date: 30.MAY.2025 17:52:34

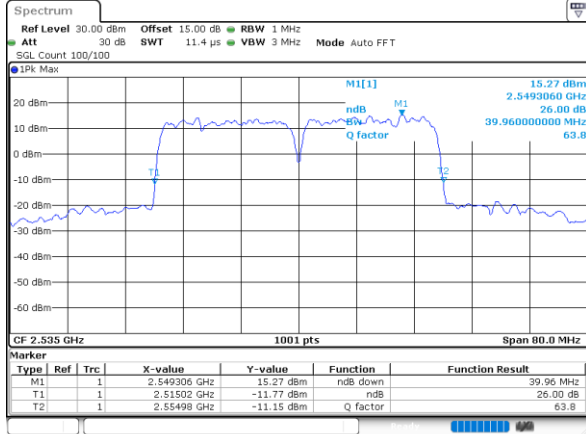


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A



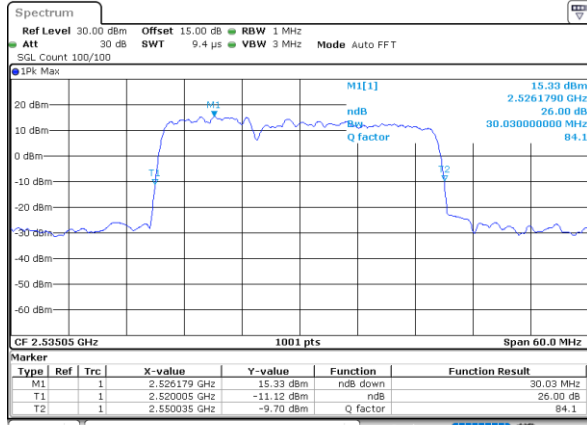
Date: 30.MAY.2025 18:11:11



LTE Band 7C

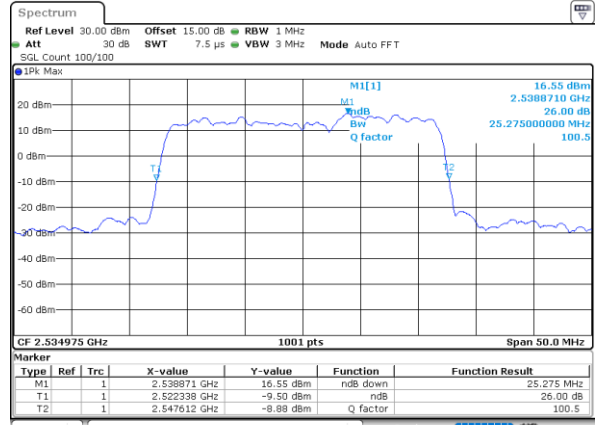
16QAM

Middle Channel / 10MHz+20MHz



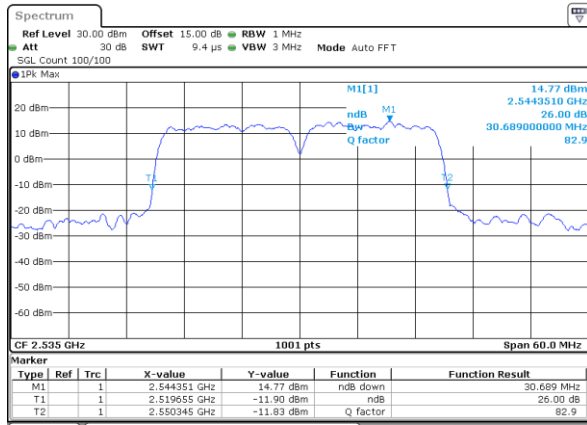
Date: 30.MAY.2025 16:37:39

Middle Channel / 15MHz+10MHz



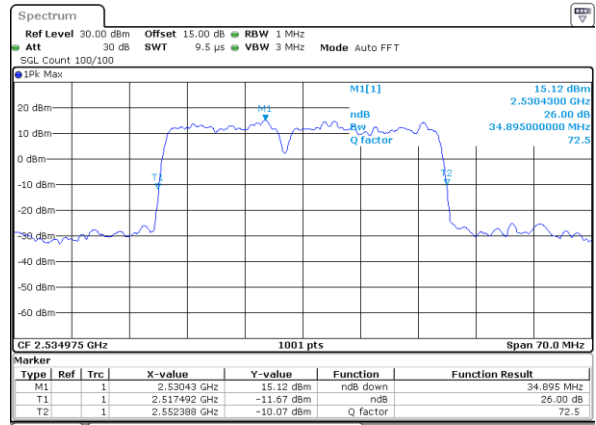
Date: 30.MAY.2025 18:29:44

Middle Channel / 15MHz+15MHz



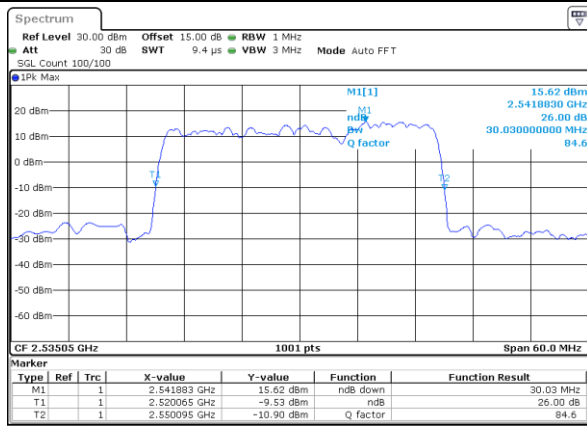
Date: 30.MAY.2025 17:15:58

Middle Channel / 15MHz+20MHz



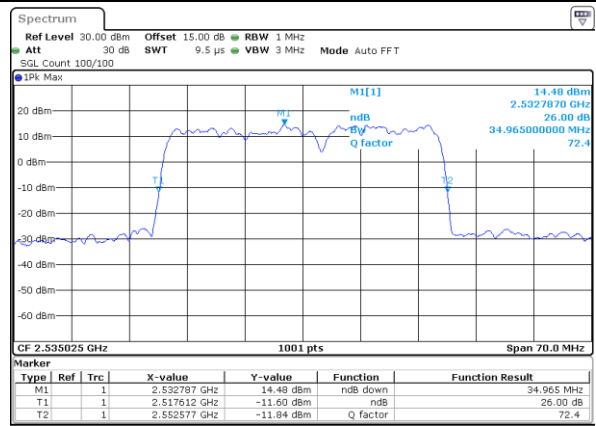
Date: 30.MAY.2025 17:34:10

Middle Channel / 20MHz+10MHz



Date: 30.MAY.2025 16:56:40

Middle Channel / 20MHz+15MHz



Date: 30.MAY.2025 17:53:04

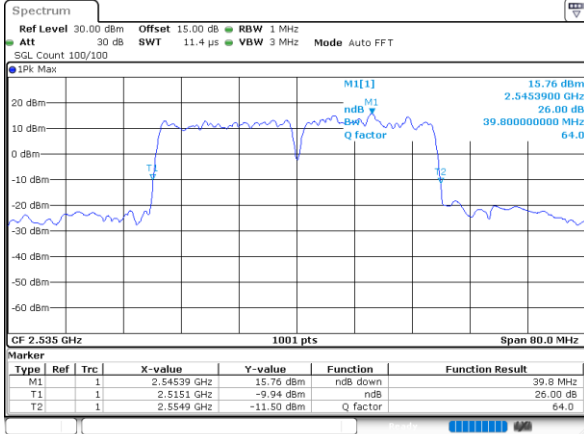


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A



Date: 30.MAY.2025 18:11:39

**Occupied Bandwidth**

Mode	LTE Band 7C : 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	28.11	23.48	28.71	32.87
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.05	33.01	37.64	

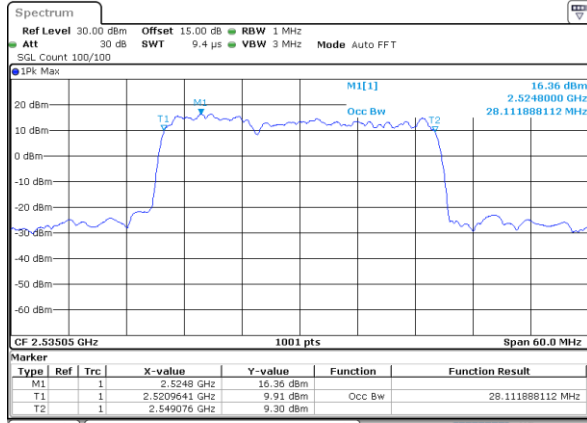
Mode	LTE Band 7C : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	28.05	23.38	28.71	33.01
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.99	32.80	37.80	



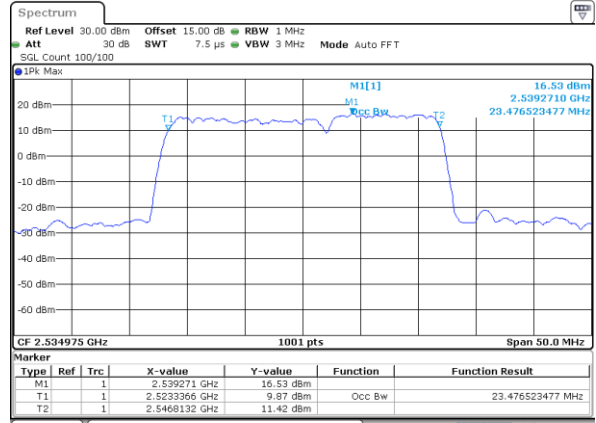
LTE Band 7C

QPSK

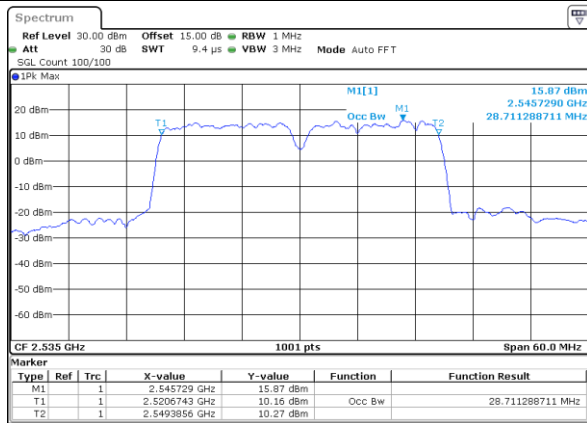
Middle Channel / 10MHz+20MHz



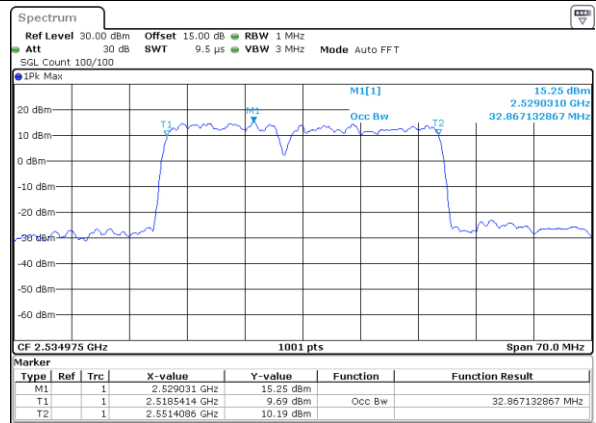
Middle Channel / 15MHz+10MHz



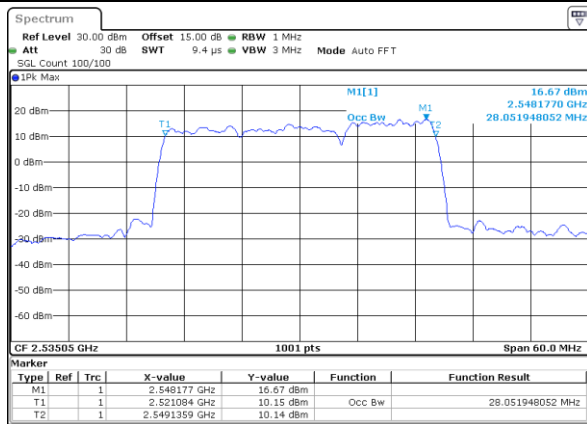
Middle Channel / 15MHz+15MHz



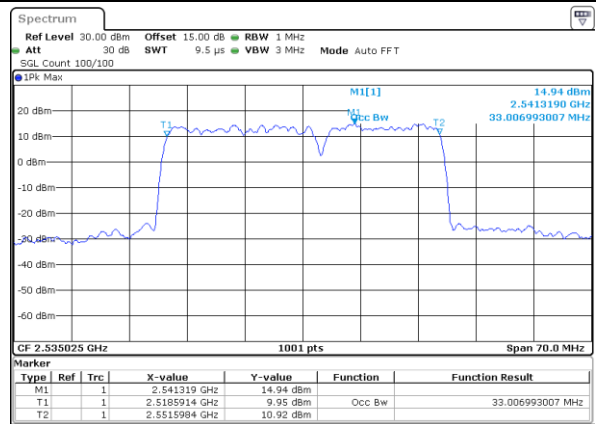
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



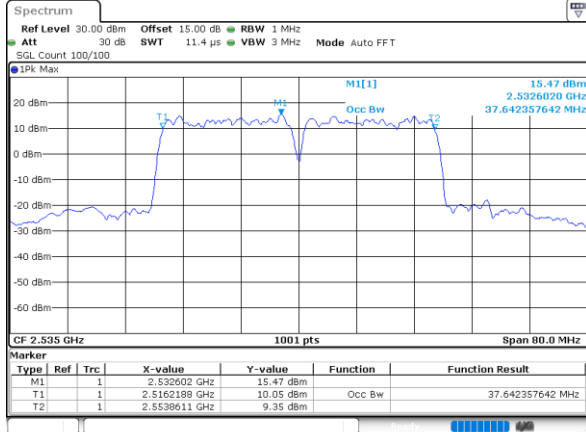


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A



Date: 30.MAY.2025 18:10:44