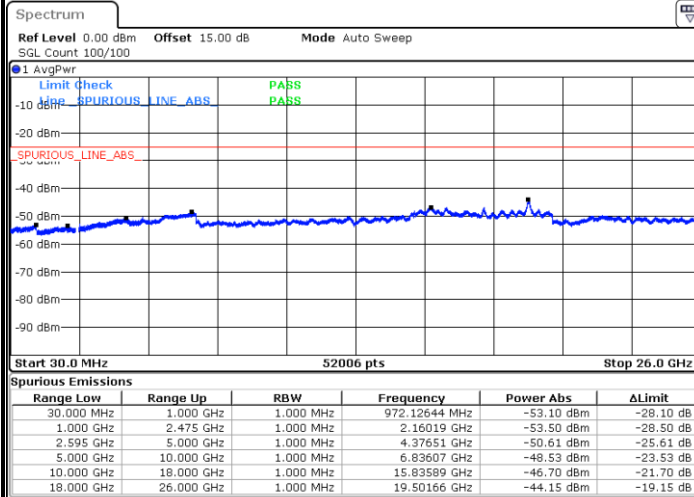




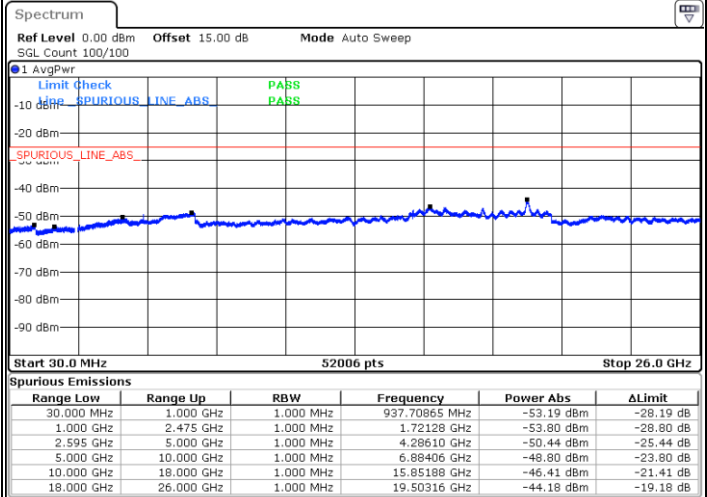
LTE Band 7 / 20MHz

Lowest Channel / QPSK



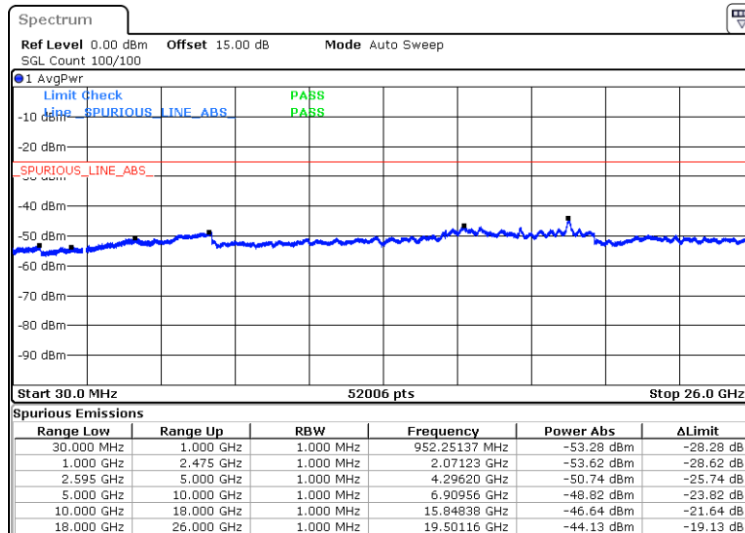
Date: 11.MAR.2025 11:37:33

Middle Channel / QPSK



Date: 11.MAR.2025 11:38:37

Highest Channel / QPSK



Date: 11.MAR.2025 11:45:49

**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	0.0016	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage = 3.92V. ; Minimum Voltage = 3.6V. ; Maximum Voltage =4.53 V
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

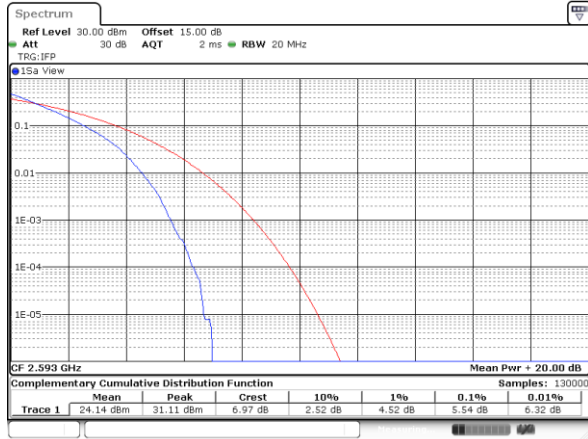
Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.54	6.41	6.61	PASS



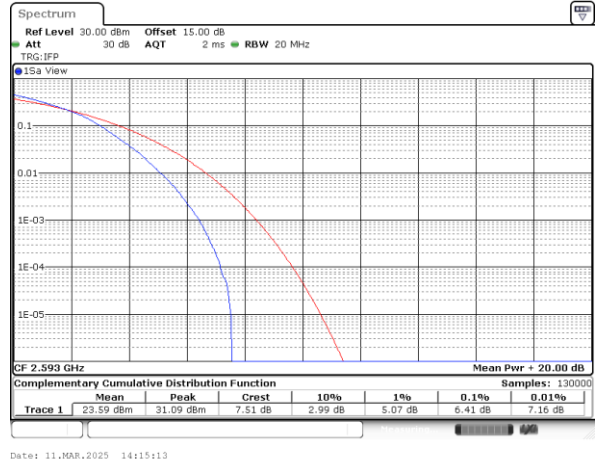
LTE Band 41 / 20MHz / QPSK

Middle Channel / Full RB



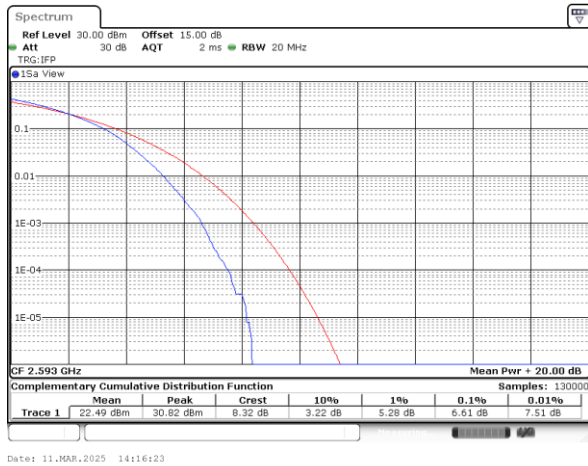
LTE Band 41 / 20MHz / 16QAM

Middle Channel / Full RB



LTE Band 41 / 20MHz / 64QAM

Middle Channel / Full RB





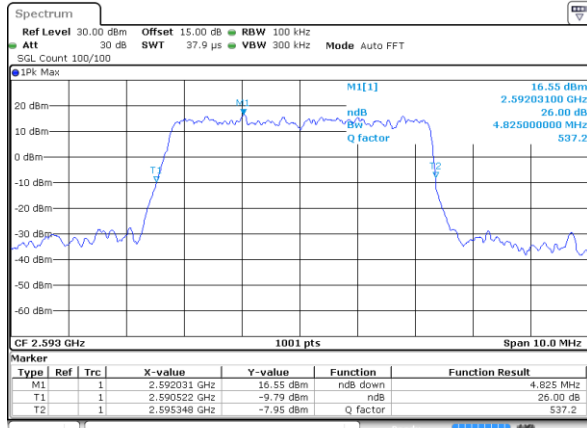
26dB Bandwidth

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	-	-	-	-	4.83	4.97	9.75	9.63	14.57	14.39	18.94	18.62



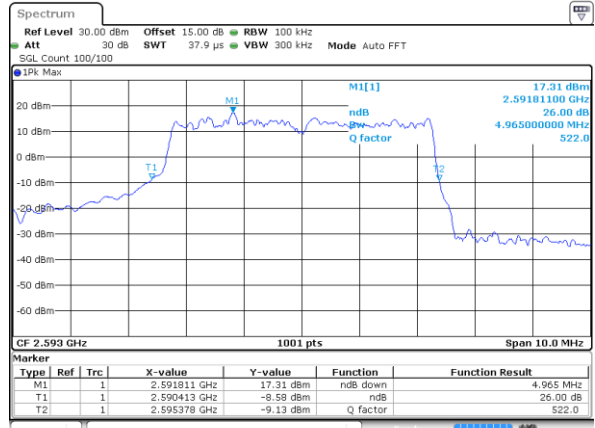
LTE Band 41

Middle Channel / 5MHz / QPSK



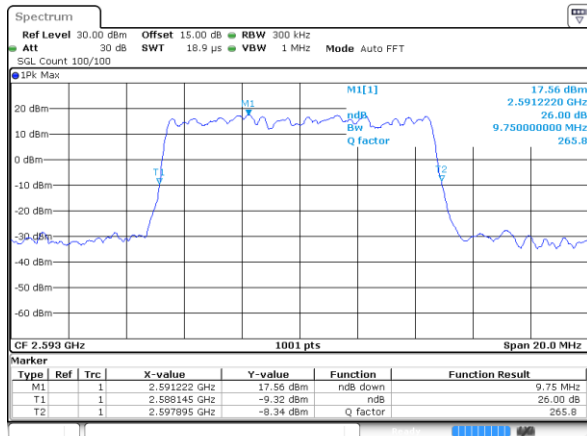
Date: 11 MAR 2025 12:04:04

Middle Channel / 5MHz / 16QAM



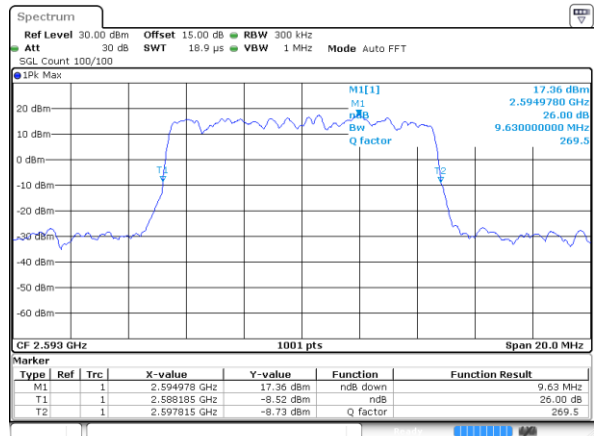
Date: 11 MAR 2025 12:04:46

Middle Channel / 10MHz / QPSK



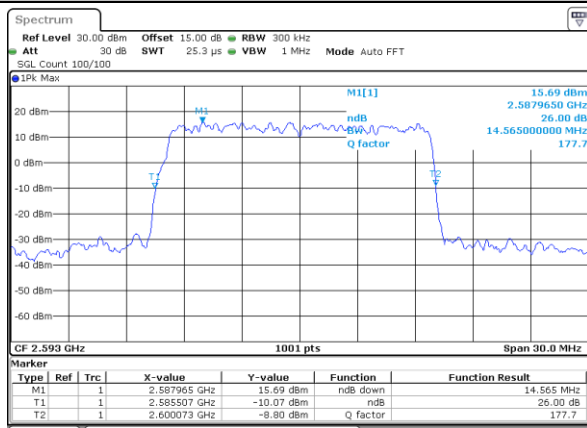
Date: 11 MAR 2025 13:13:58

Middle Channel / 10MHz / 16QAM



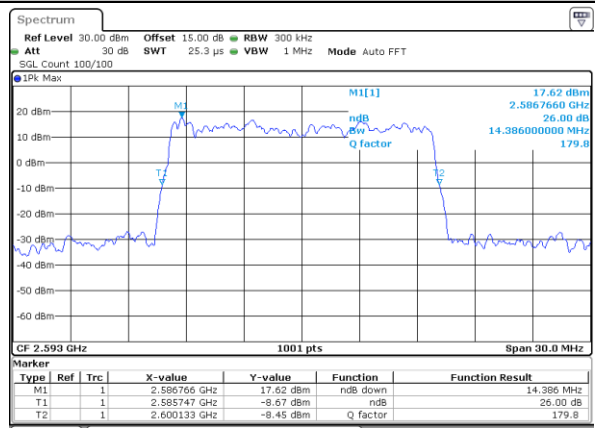
Date: 11 MAR 2025 13:14:38

Middle Channel / 15MHz / QPSK



Date: 11 MAR 2025 14:10:40

Middle Channel / 15MHz / 16QAM

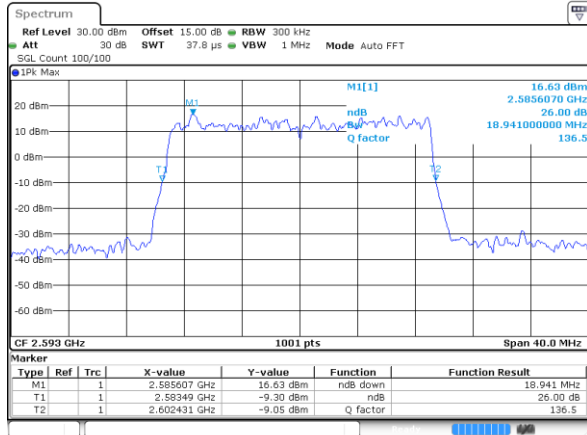


Date: 11 MAR 2025 14:11:19



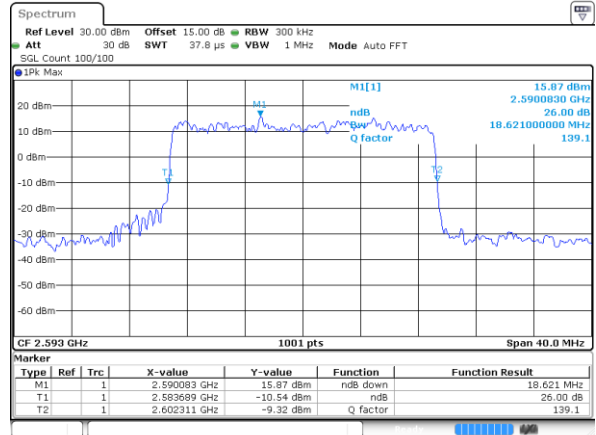
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 11 MAR 2025 14:36:58

Middle Channel / 20MHz / 16QAM



Date: 11 MAR 2025 14:37:38



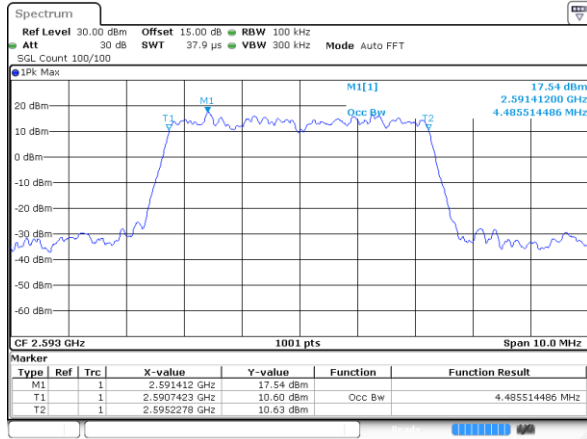
Occupied Bandwidth

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	-	-	-	-	4.49	4.51	9.01	9.05	13.43	13.40	17.82	17.94

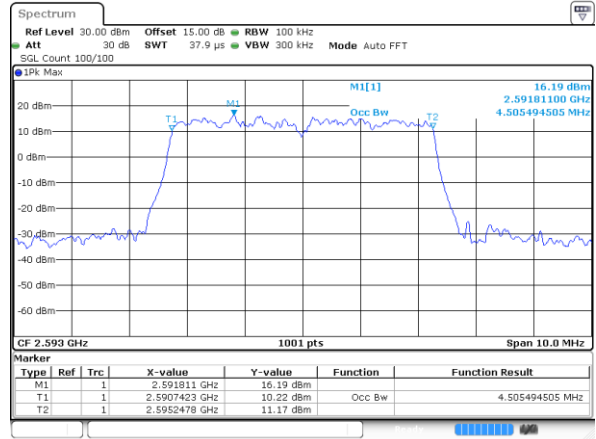


LTE Band 41

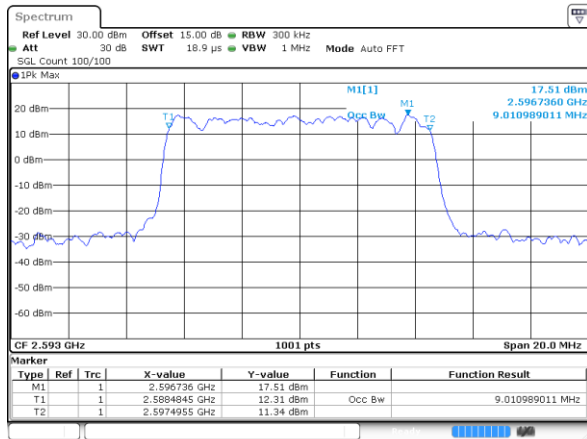
Middle Channel / 5MHz / QPSK



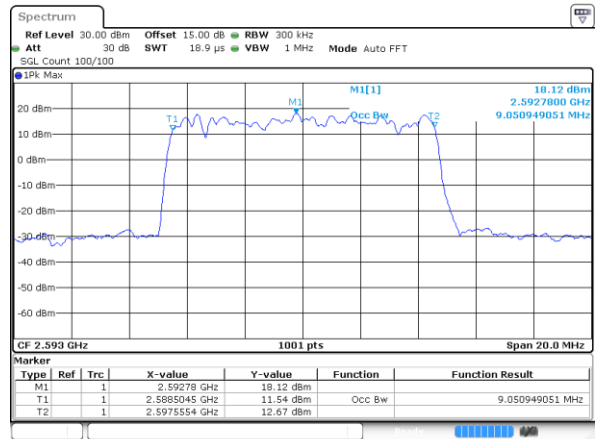
Middle Channel / 5MHz / 16QAM



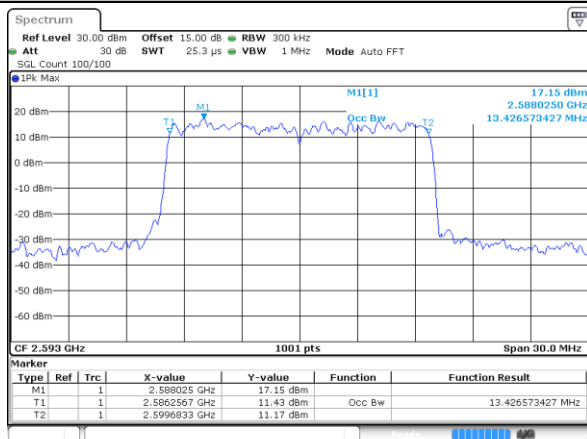
Middle Channel / 10MHz / QPSK



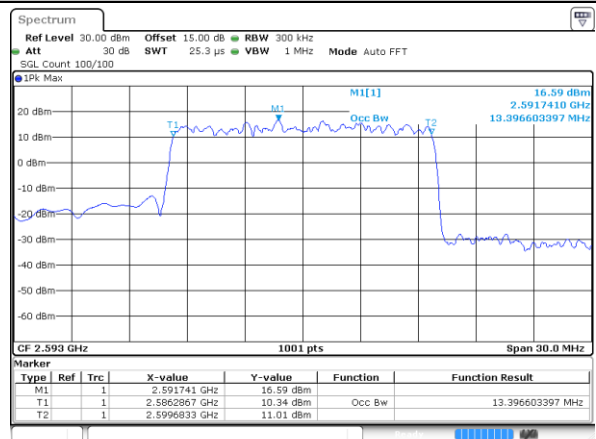
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



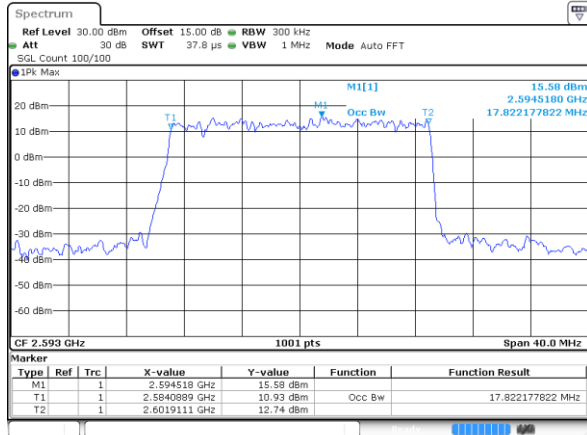
Middle Channel / 15MHz / 16QAM





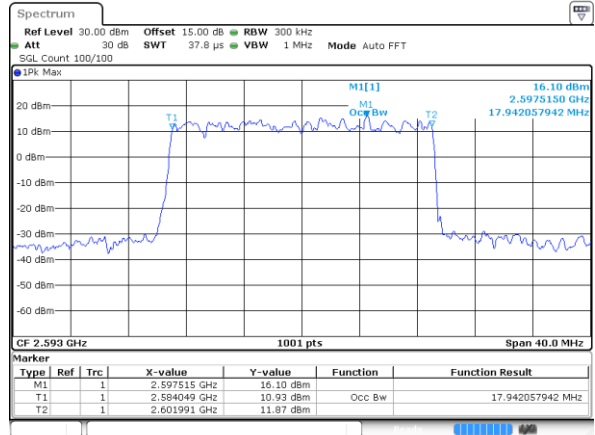
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 11 MAR 2025 14:36:45

Middle Channel / 20MHz / 16QAM



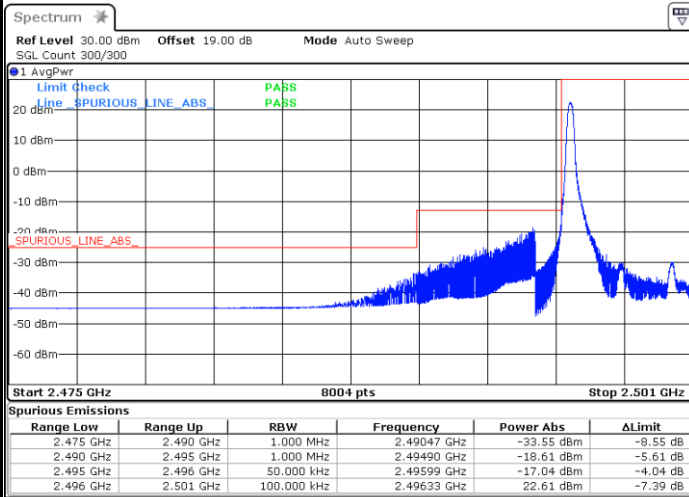
Date: 11 MAR 2025 14:37:24



Conducted Band Edge

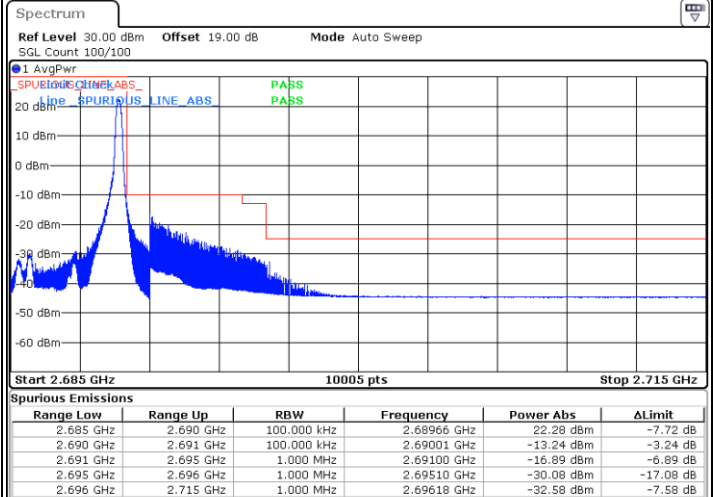
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



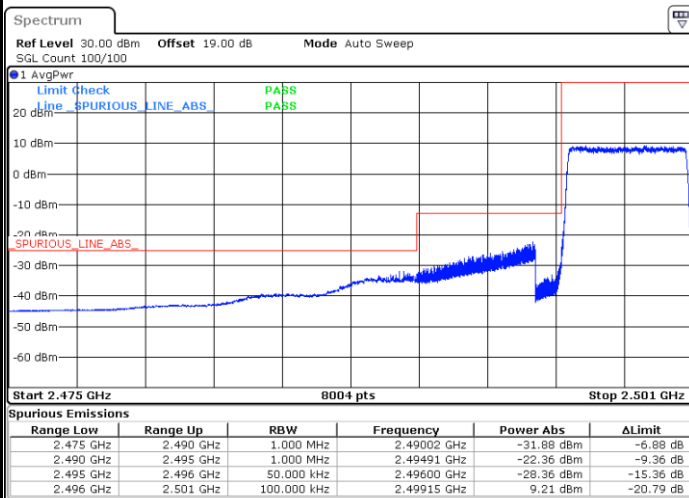
Date: 11.MAR.2025 13:33:09

Highest Band Edge / 1 RB



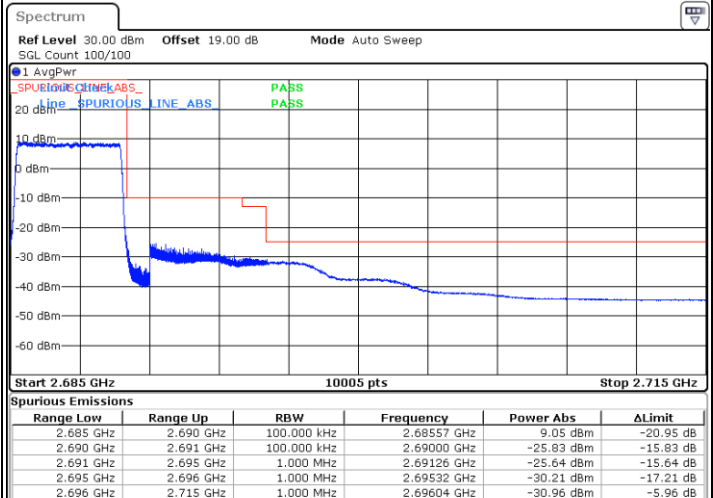
Date: 11.MAR.2025 13:42:36

Lowest Band Edge / Full RB



Date: 11.MAR.2025 12:00:56

Highest Band Edge / Full RB

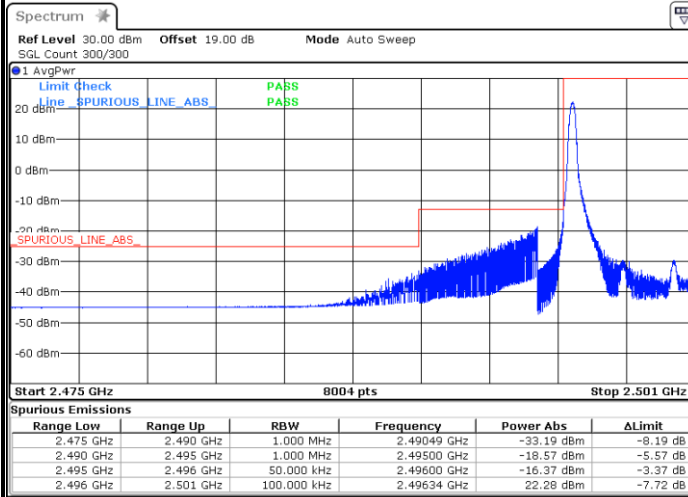


Date: 11.MAR.2025 14:01:43



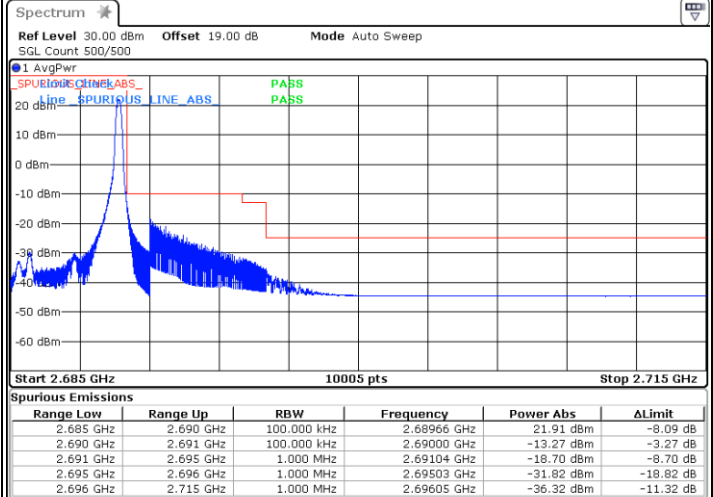
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



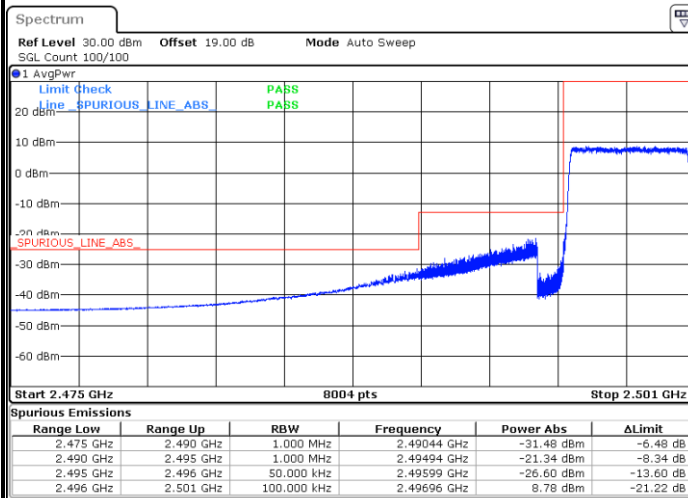
Date: 11.MAR.2025 13:35:29

Highest Band Edge / 1 RB



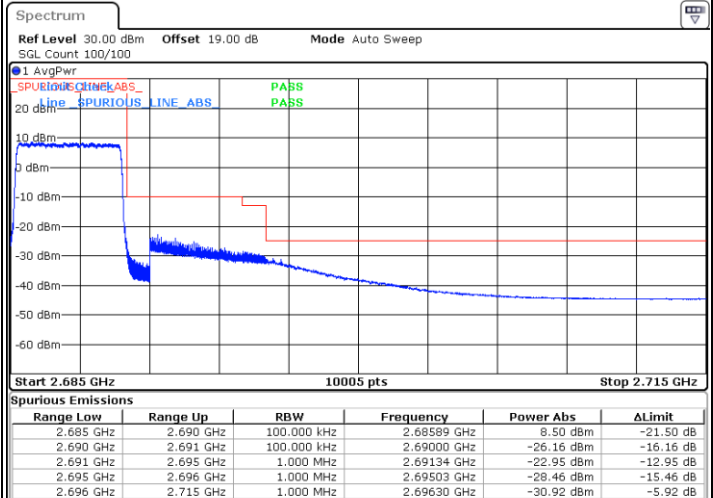
Date: 11.MAR.2025 13:55:25

Lowest Band Edge / Full RB



Date: 11.MAR.2025 12:00:02

Highest Band Edge / Full RB

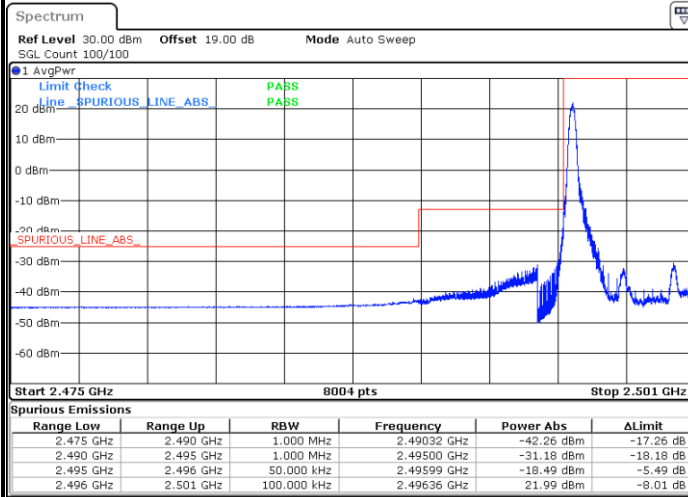


Date: 11.MAR.2025 14:00:21



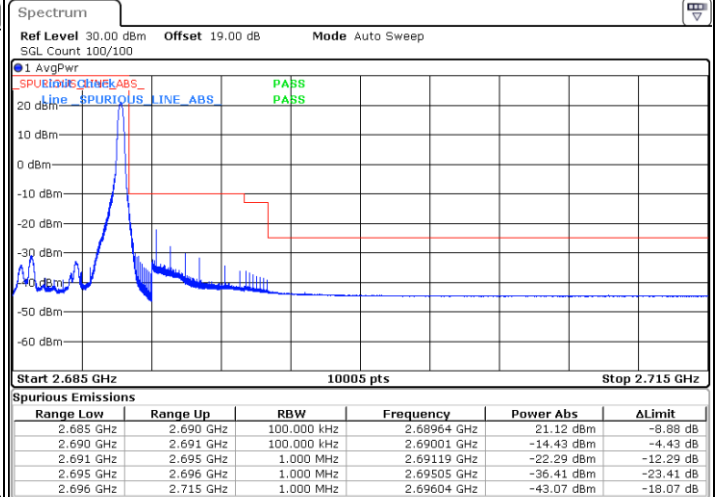
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



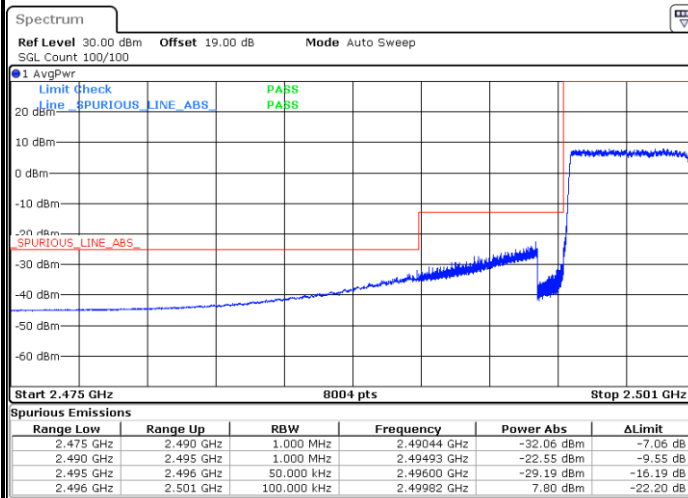
Date: 11.MAR.2025 11:58:14

Highest Band Edge / 1 RB



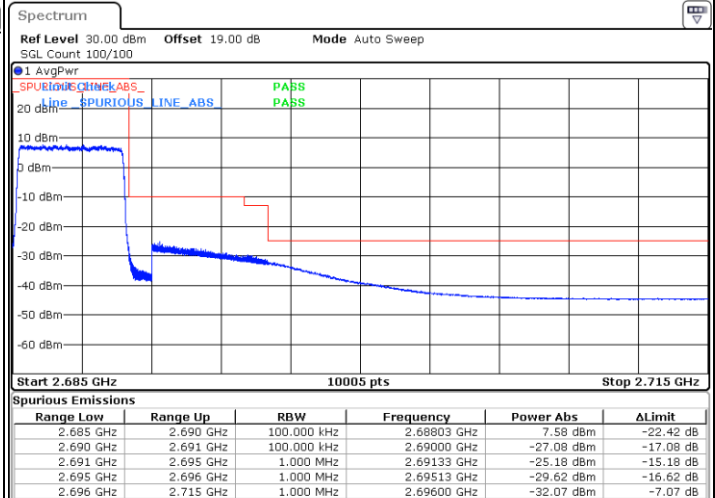
Date: 11.MAR.2025 13:57:04

Lowest Band Edge / Full RB



Date: 11.MAR.2025 11:58:08

Highest Band Edge / Full RB

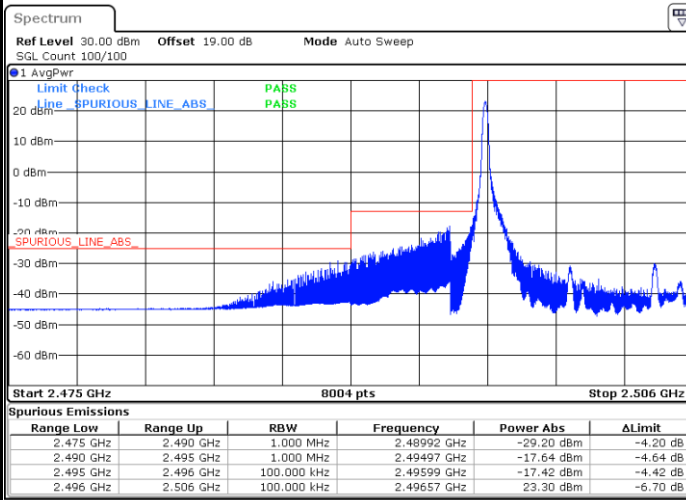


Date: 11.MAR.2025 13:58:24

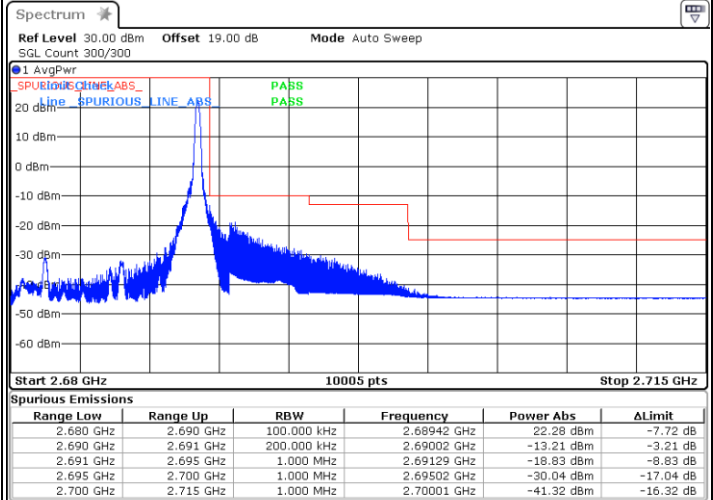


LTE Band 41 / 10MHz / QPSK

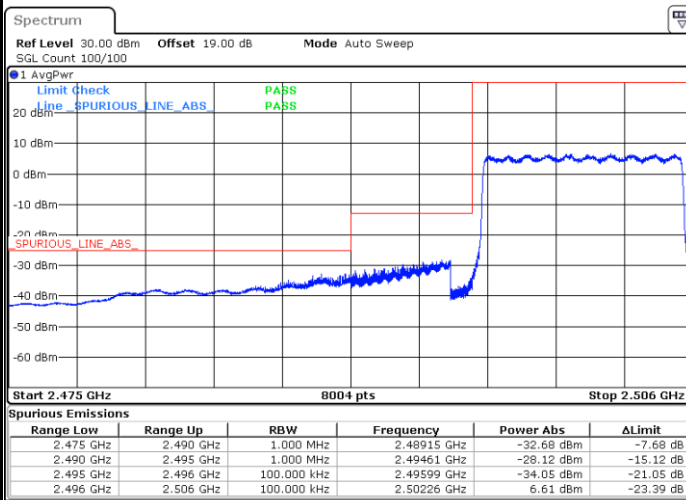
Lowest Band Edge / 1 RB



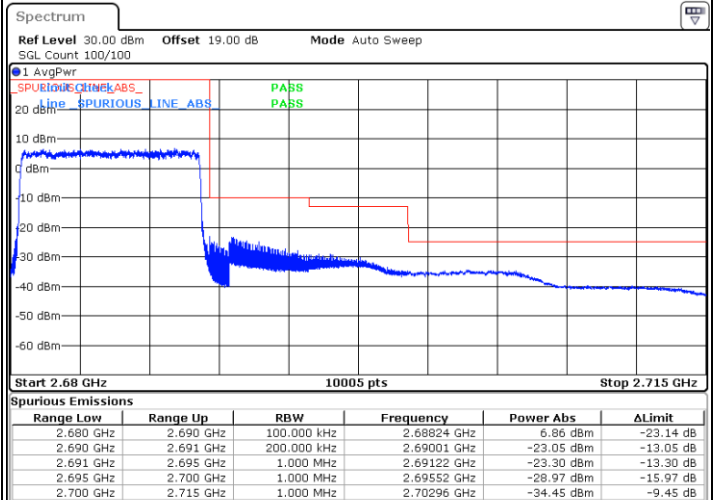
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



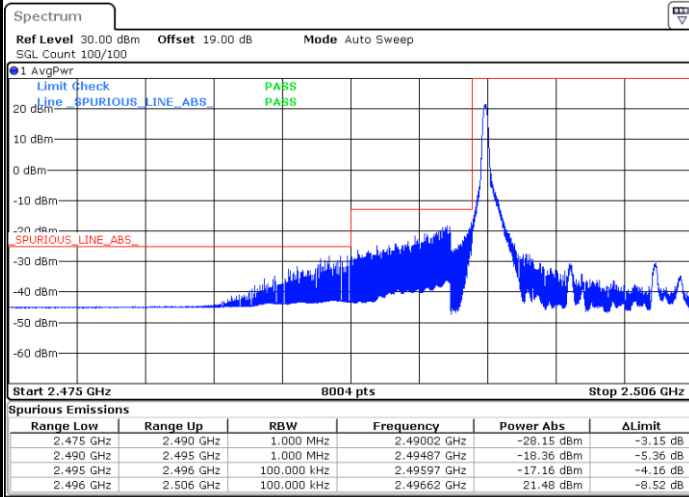
Highest Band Edge / Full RB





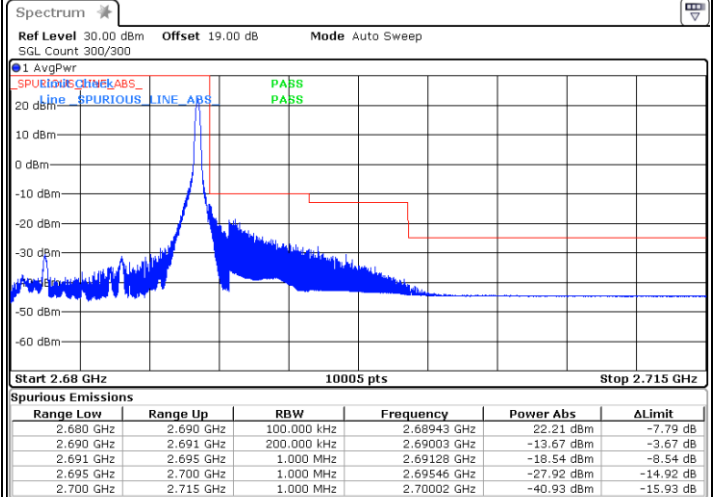
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1RB



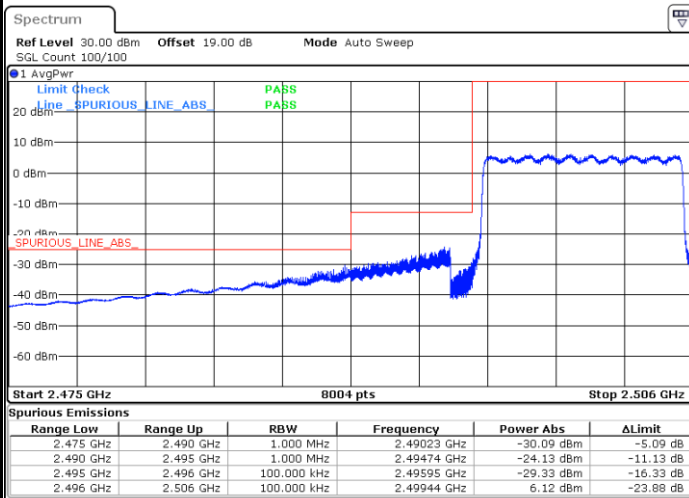
Date: 11.MAR.2025 13:07:38

Highest Band Edge / 1 RB



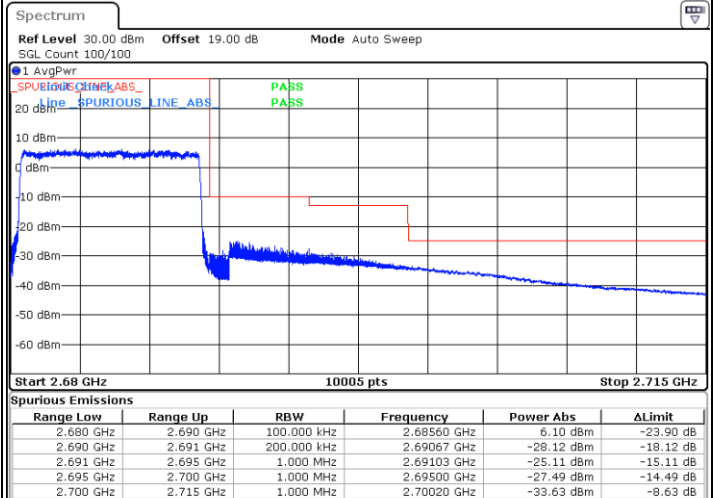
Date: 11.MAR.2025 13:27:43

Lowest Band Edge / Full RB



Date: 11.MAR.2025 13:10:09

Highest Band Edge / Full RB

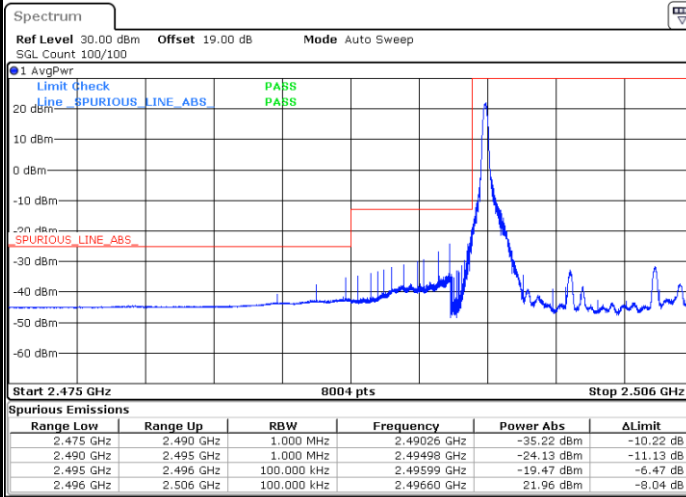


Date: 11.MAR.2025 13:24:32



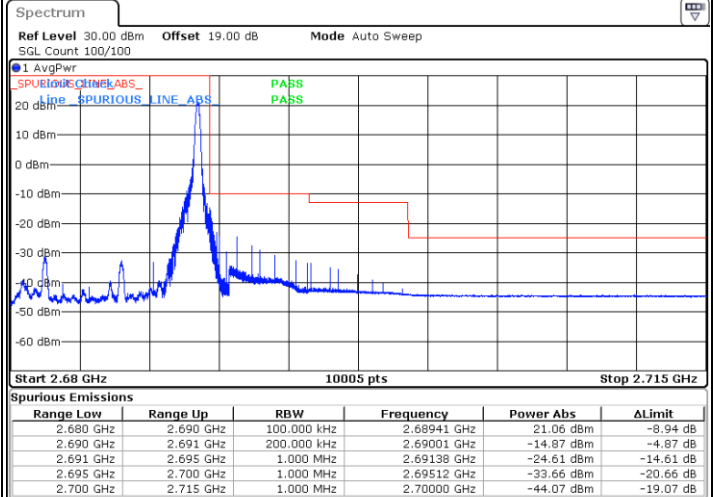
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1RB



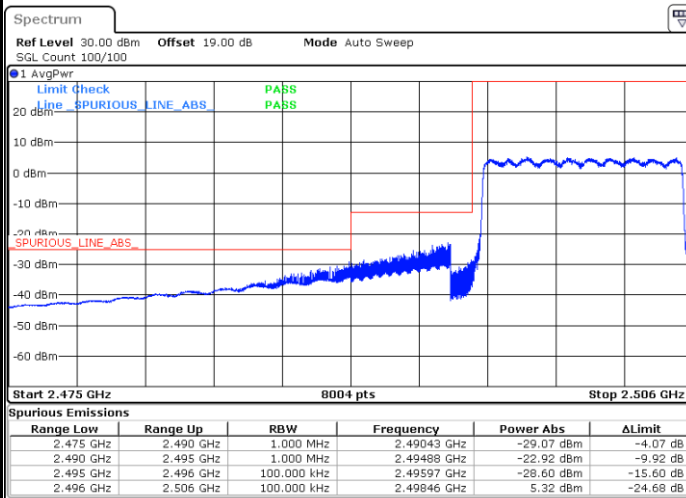
Date: 11.MAR.2025 13:08:28

Highest Band Edge / 1 RB



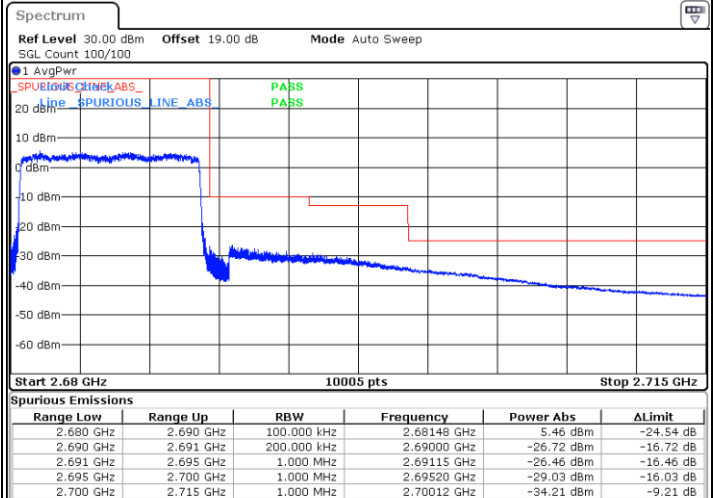
Date: 11.MAR.2025 13:17:08

Lowest Band Edge / Full RB



Date: 11.MAR.2025 13:09:19

Highest Band Edge / Full RB

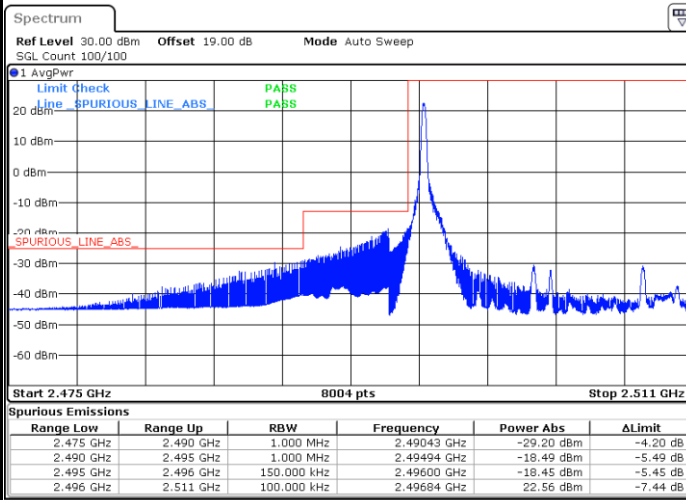


Date: 11.MAR.2025 13:17:58

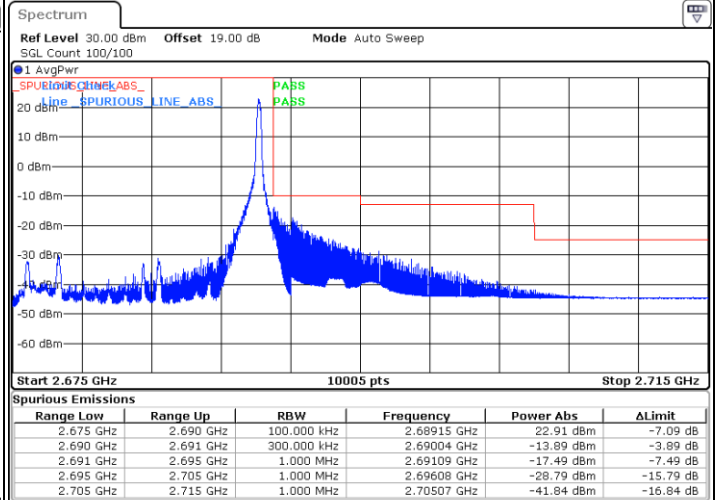


LTE Band 41 / 15MHz / QPSK

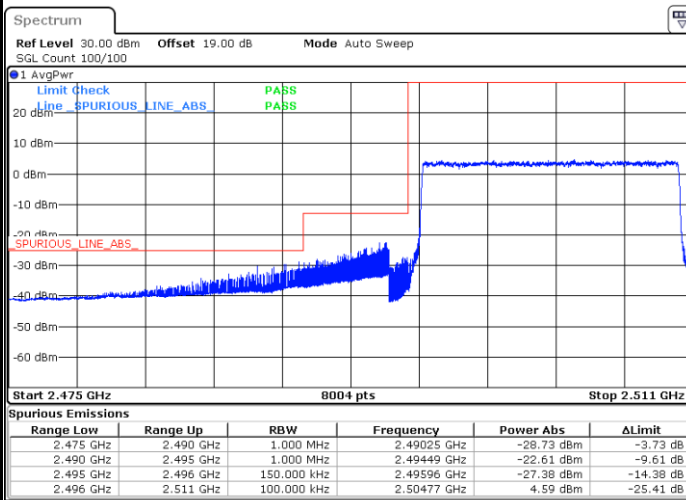
Lowest Band Edge / 1 RB



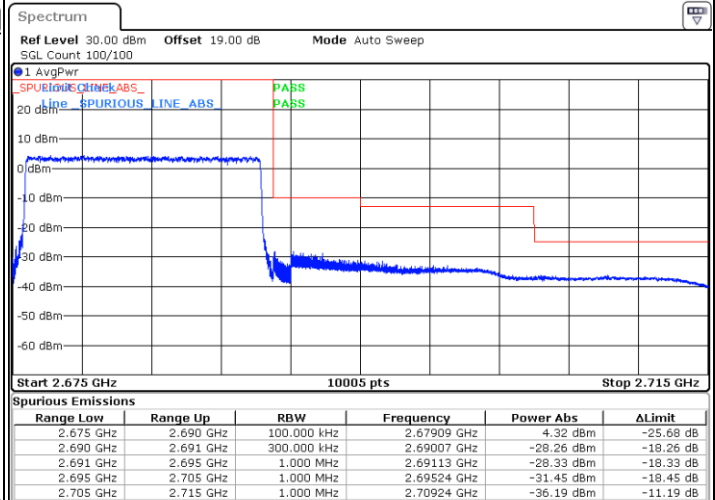
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



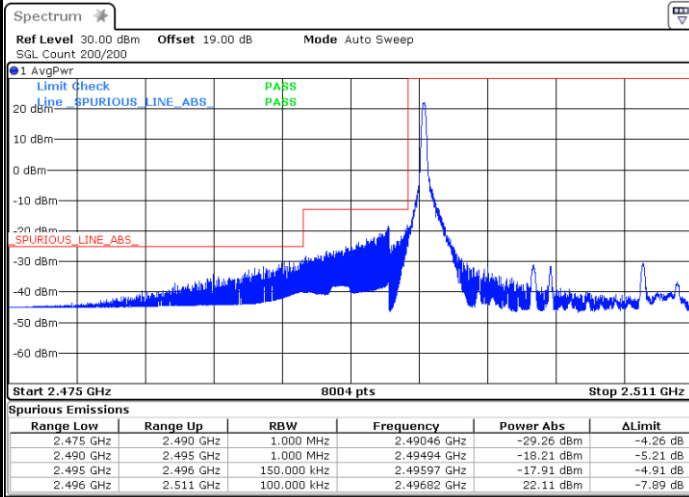
Highest Band Edge / Full RB





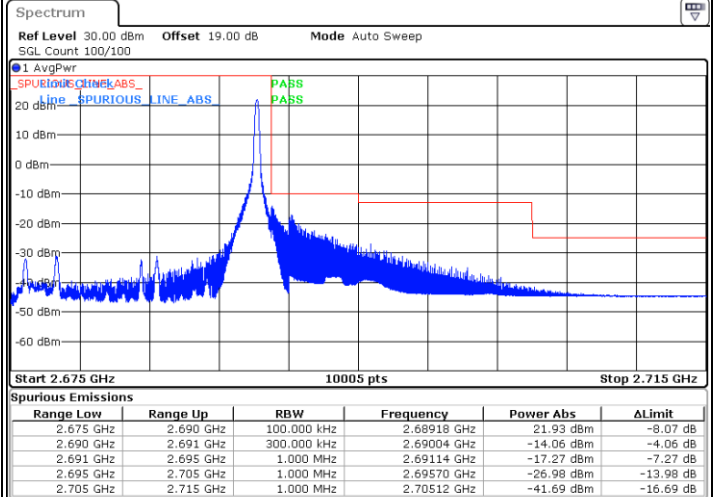
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1RB



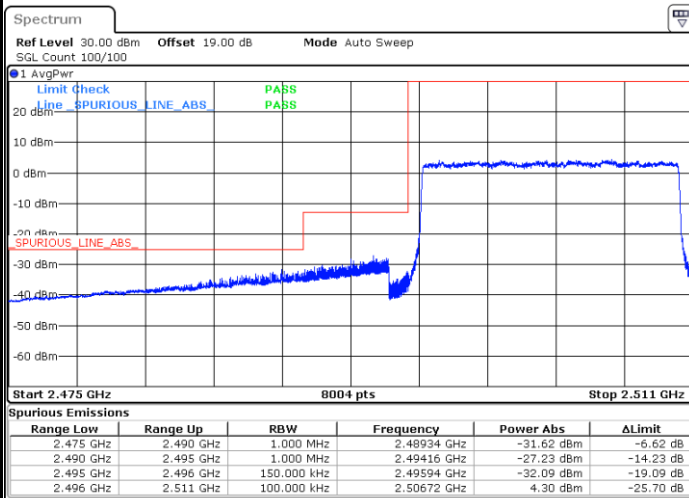
Date: 11.MAR.2025 14:56:31

Highest Band Edge / 1 RB



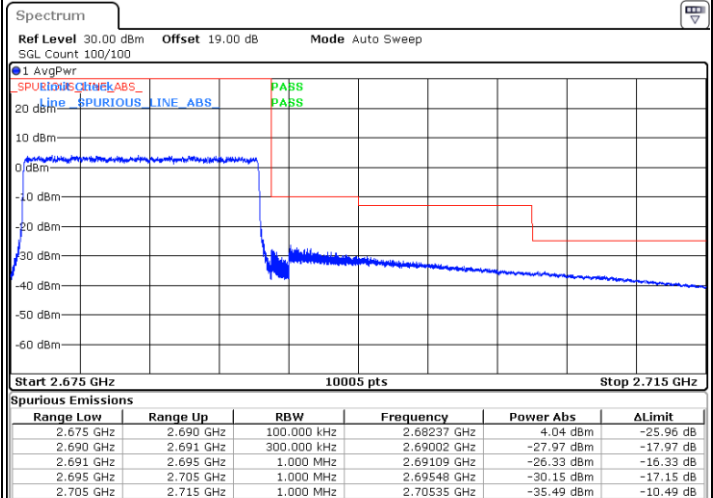
Date: 11.MAR.2025 14:13:05

Lowest Band Edge / Full RB



Date: 11.MAR.2025 14:06:51

Highest Band Edge / Full RB

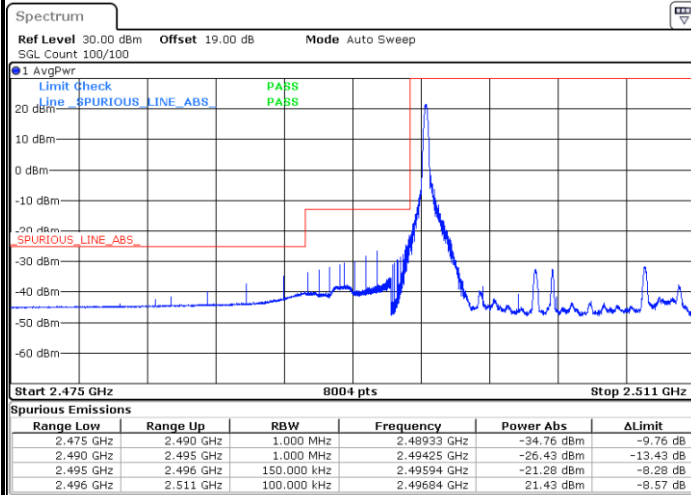


Date: 11.MAR.2025 14:15:44



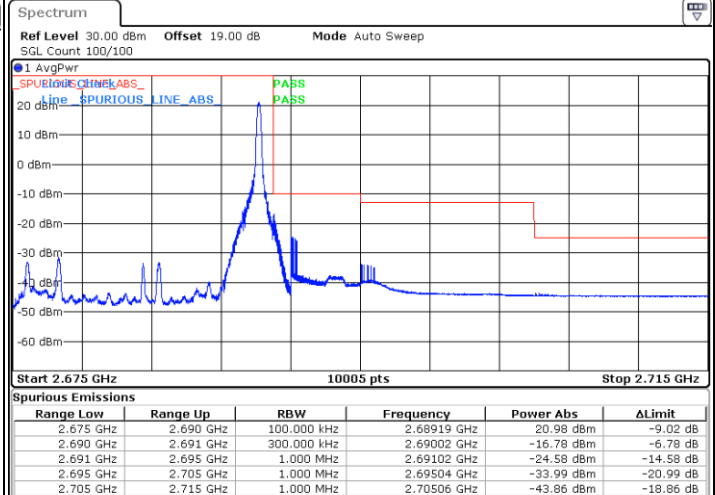
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1RB



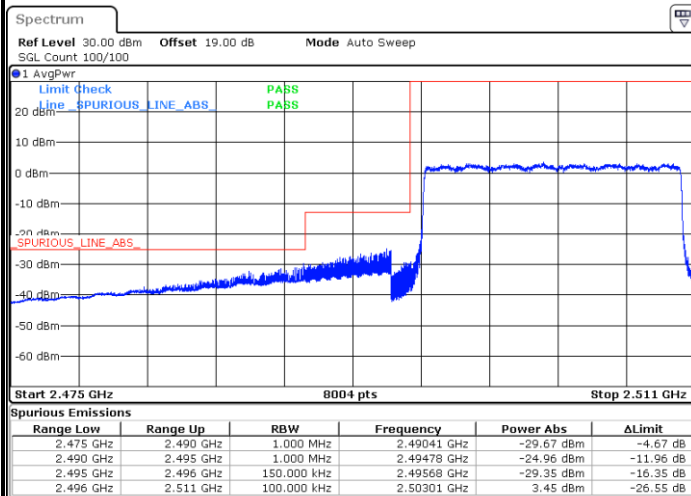
Date: 11.MAR.2025 14:05:10

Highest Band Edge / 1 RB



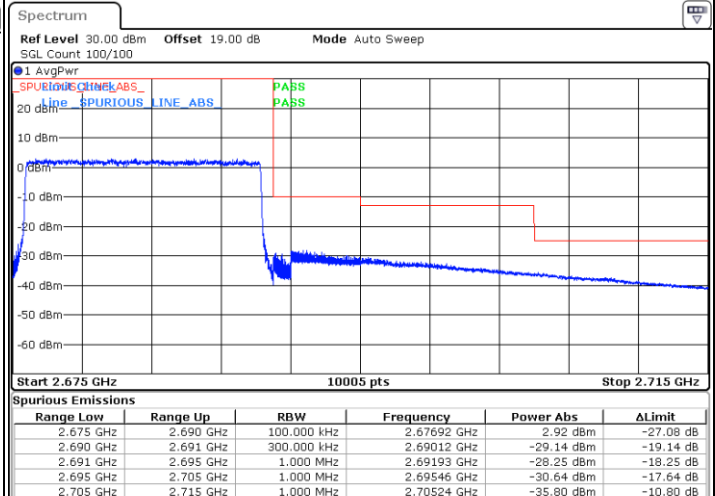
Date: 11.MAR.2025 14:13:58

Lowest Band Edge / Full RB



Date: 11.MAR.2025 14:06:01

Highest Band Edge / Full RB

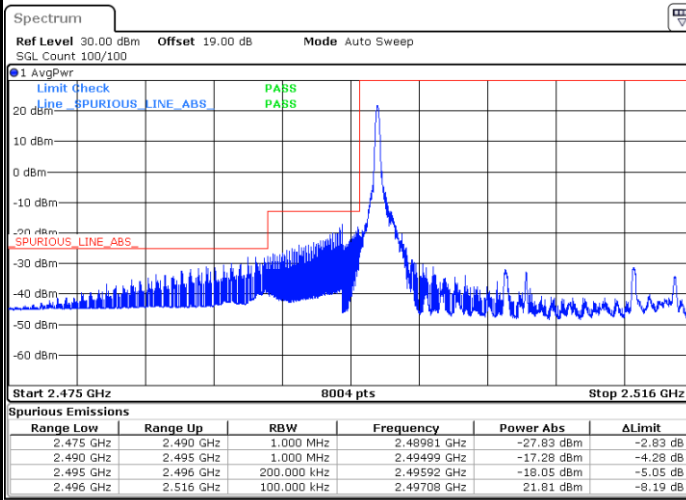


Date: 11.MAR.2025 14:14:51

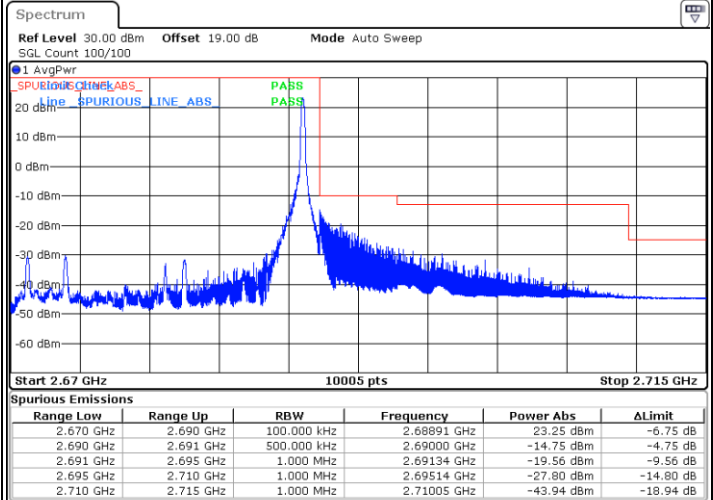


LTE Band 41 / 20MHz / QPSK

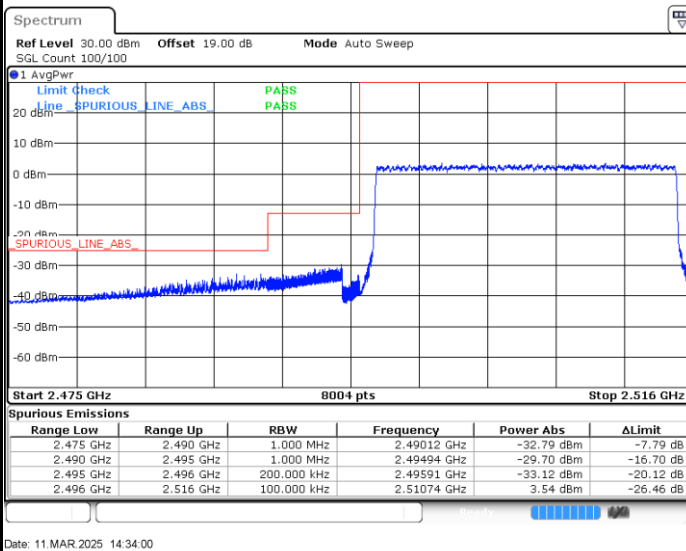
Lowest Band Edge / 1 RB



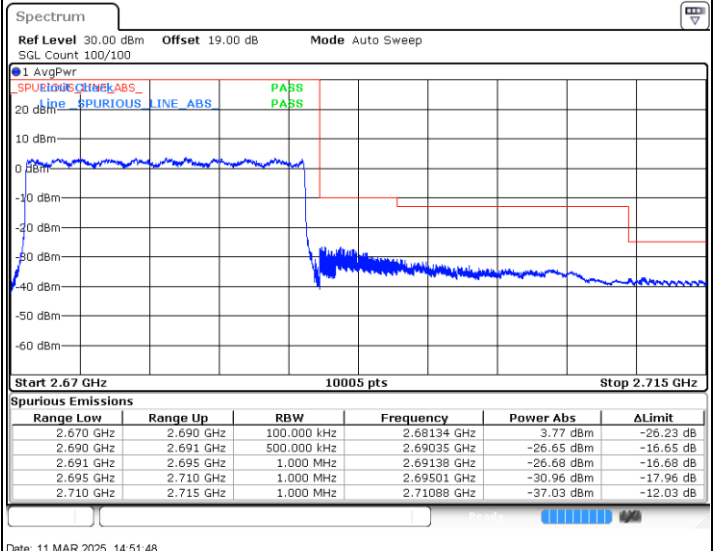
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



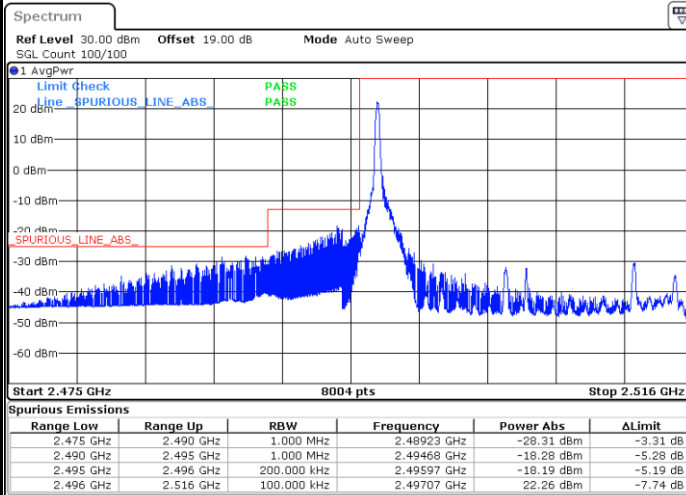
Highest Band Edge / Full RB





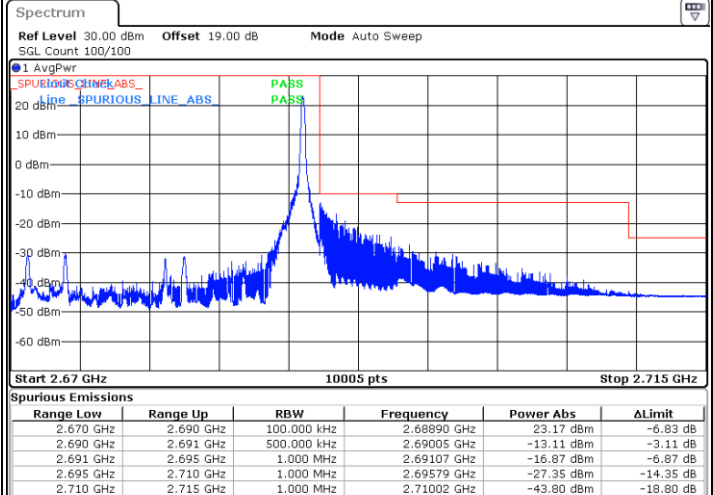
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1RB



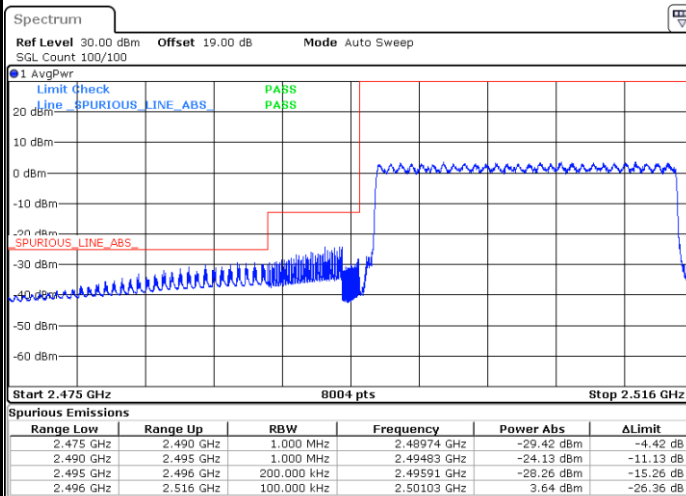
Date: 11.MAR.2025 14:53:30

Highest Band Edge / 1 RB



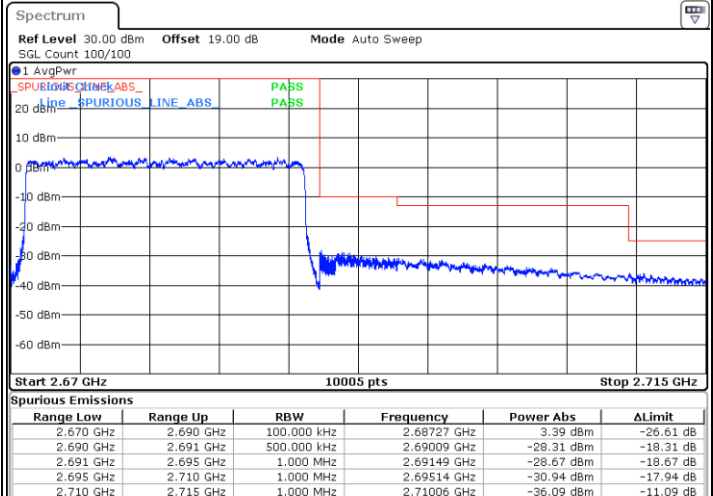
Date: 11.MAR.2025 14:39:24

Lowest Band Edge / Full RB



Date: 11.MAR.2025 14:33:09

Highest Band Edge / Full RB

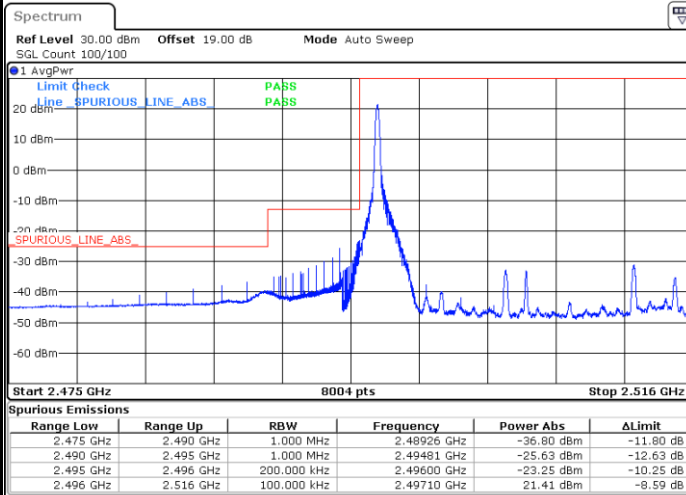


Date: 11.MAR.2025 14:50:43



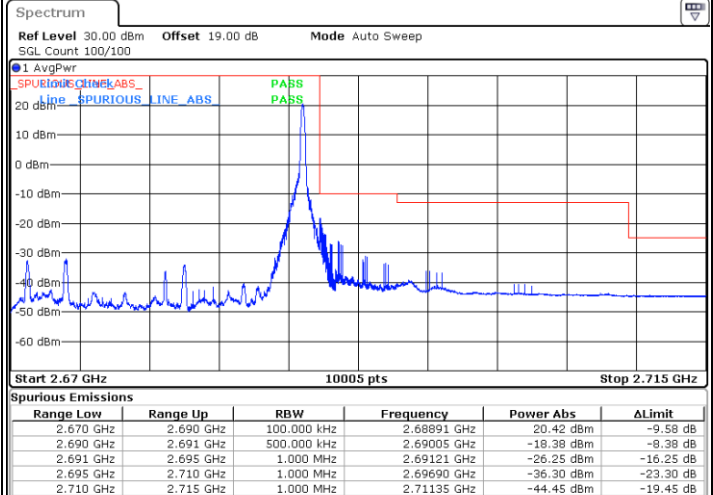
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1RB



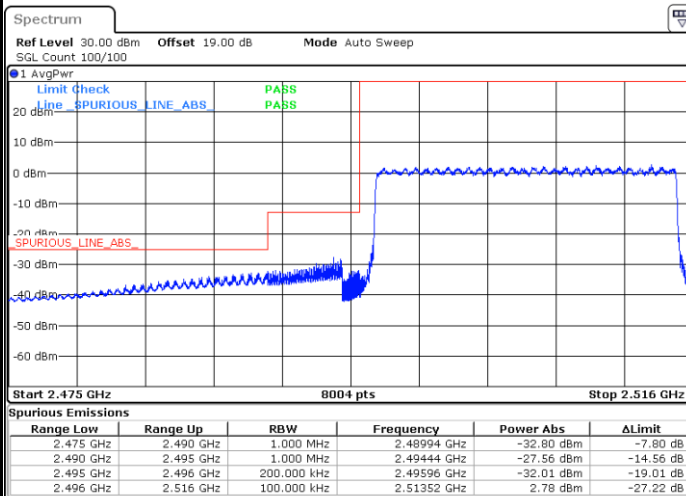
Date: 11.MAR.2025 14:31:29

Highest Band Edge / 1 RB



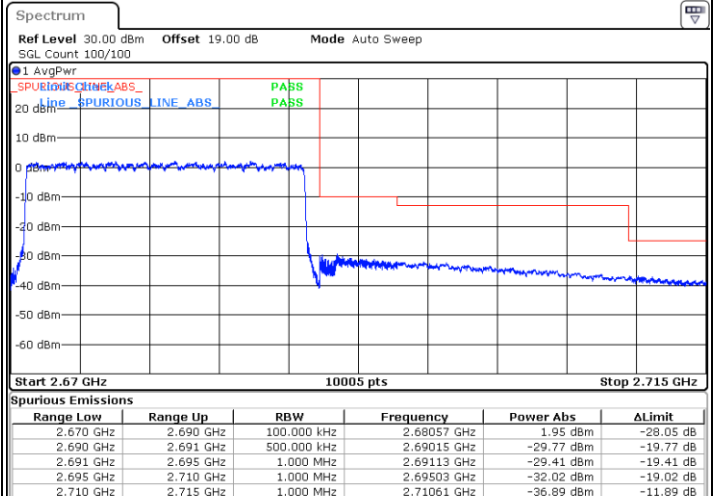
Date: 11.MAR.2025 14:40:17

Lowest Band Edge / Full RB



Date: 11.MAR.2025 14:32:19

Highest Band Edge / Full RB



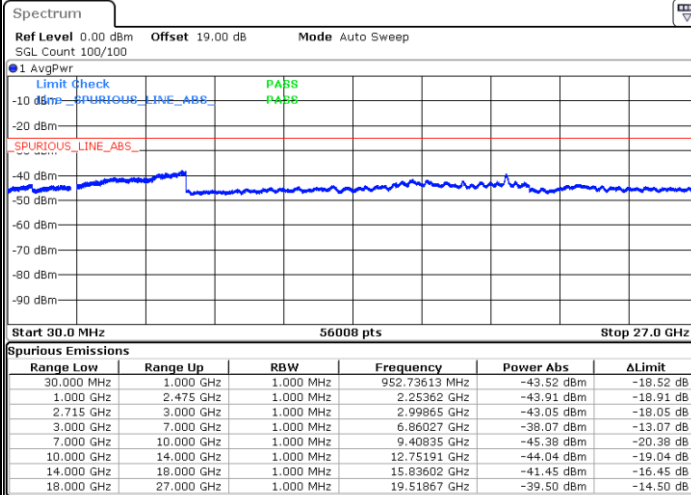
Date: 11.MAR.2025 14:41:10



Conducted Spurious Emission

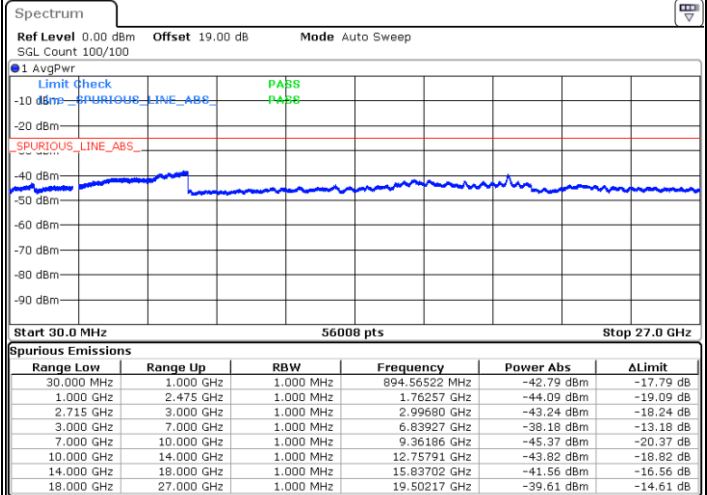
LTE Band 41 / 5MHz

Lowest Channel / QPSK



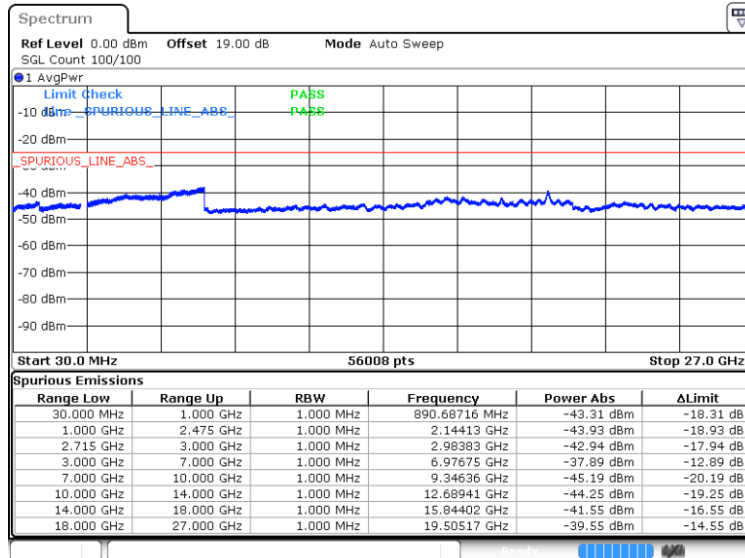
Date: 11.MAR.2025 12:02:08

Middle Channel / QPSK



Date: 11.MAR.2025 12:03:21

Highest Channel / QPSK

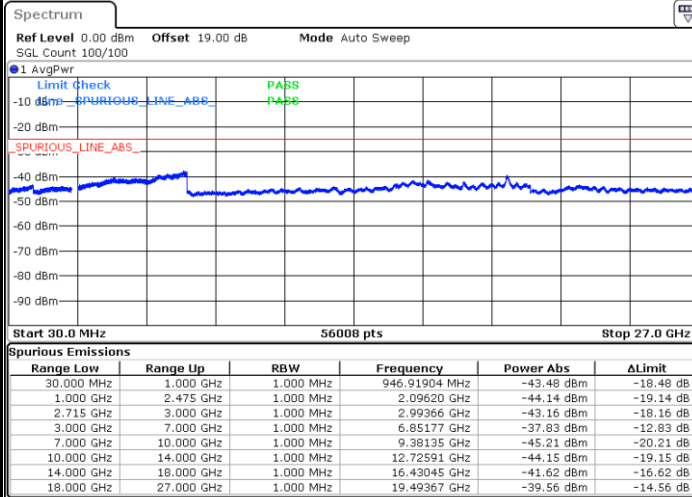


Date: 11.MAR.2025 12:12:31



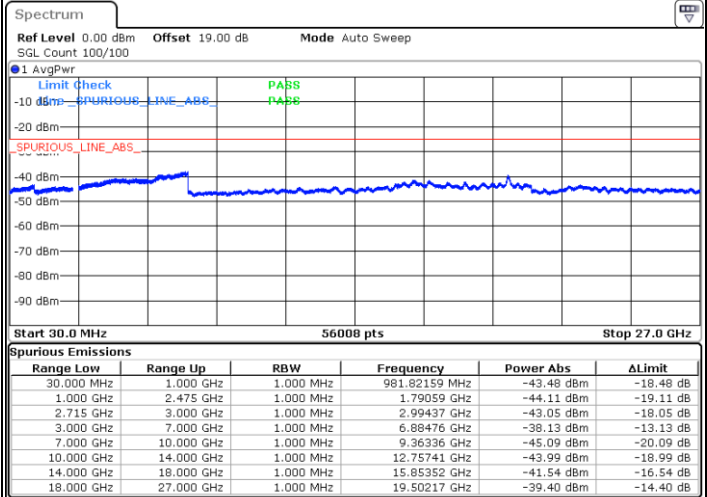
LTE Band 41 / 10MHz

Lowest Channel / QPSK



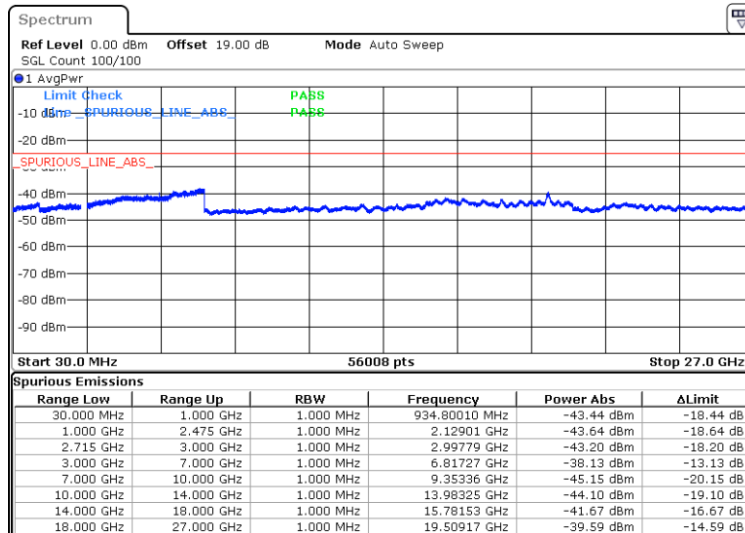
Date: 11.MAR.2025 13:12:09

Middle Channel / QPSK



Date: 11.MAR.2025 13:13:18

Highest Channel / QPSK

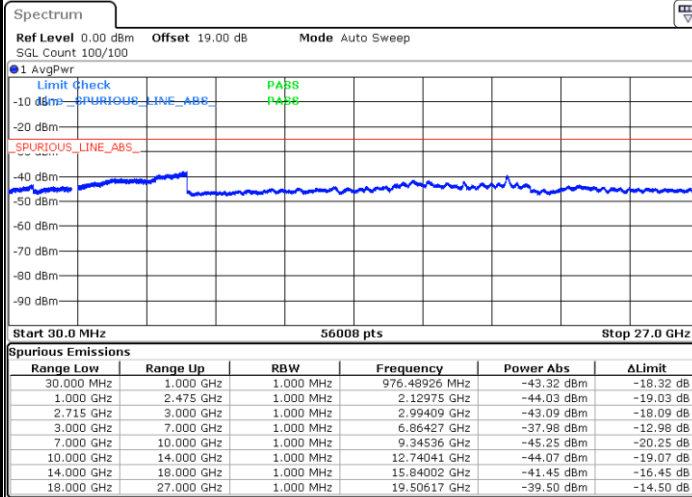


Date: 11.MAR.2025 13:20:49



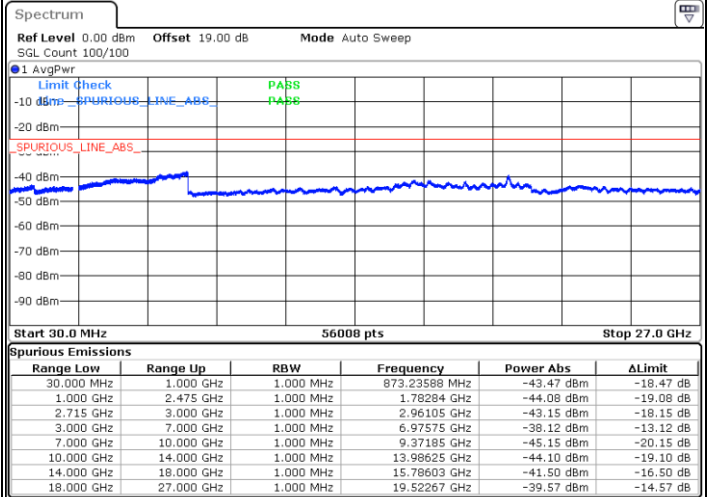
LTE Band 41 / 15MHz

Lowest Channel / QPSK



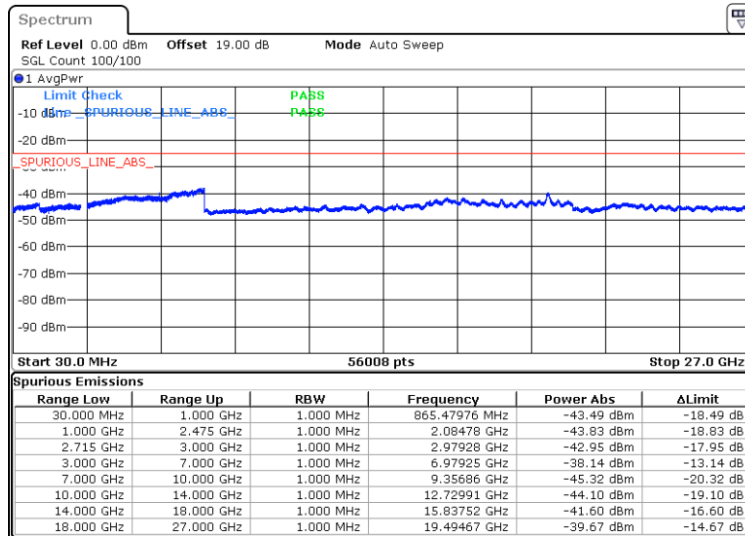
Date: 11.MAR.2025 14:08:51

Middle Channel / QPSK



Date: 11.MAR.2025 14:10:01

Highest Channel / QPSK

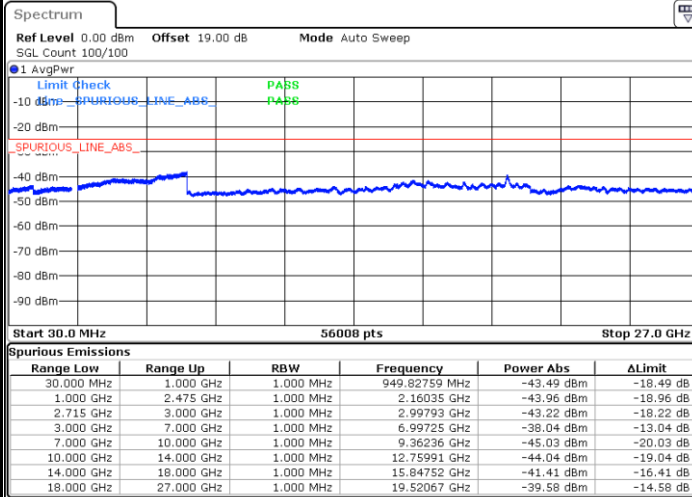


Date: 11.MAR.2025 14:17:46



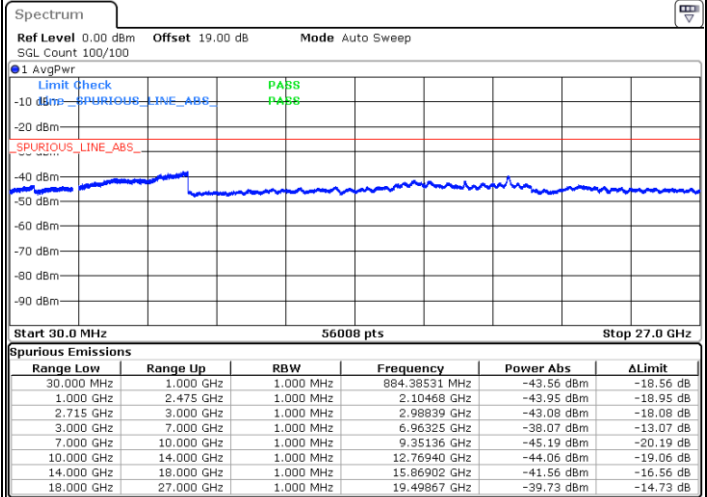
LTE Band 41 / 20MHz

Lowest Channel / QPSK



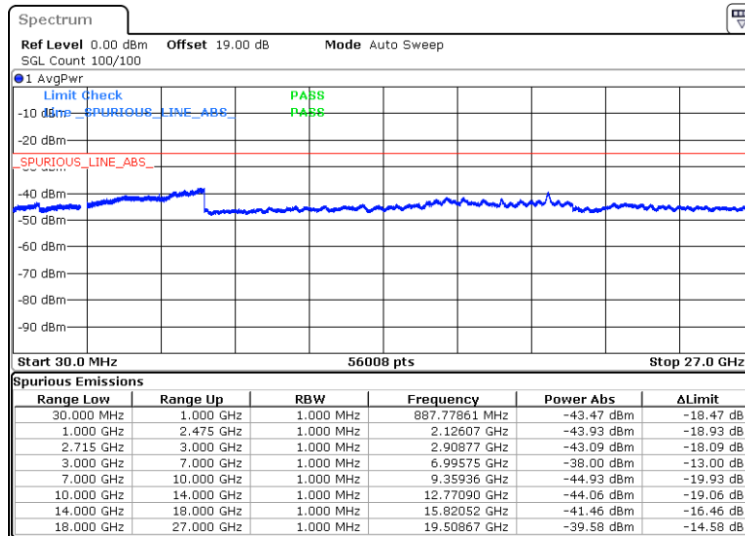
Date: 11.MAR.2025 14:35:09

Middle Channel / QPSK



Date: 11.MAR.2025 14:36:19

Highest Channel / QPSK



Date: 11.MAR.2025 14:44:06

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	0.0000	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0000	
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0019	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0015	

Note:

1. Normal Voltage = 3.92V. ; Minimum Voltage = 3.6V. ; 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	29.97	25.38	30.75	34.97
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.09	34.97	40.04	

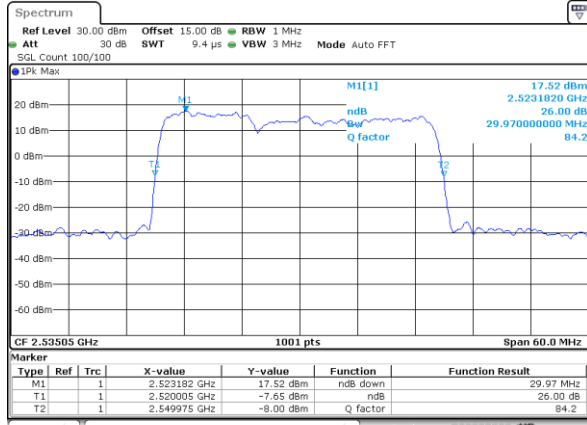
Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.97	25.33	30.69	34.76
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.09	34.90	39.96	



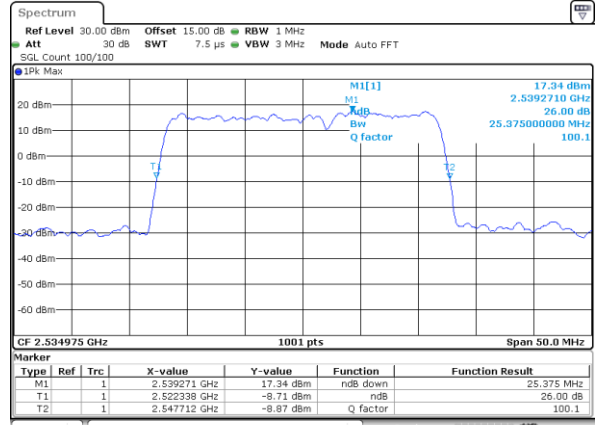
LTE Band 7C

QPSK

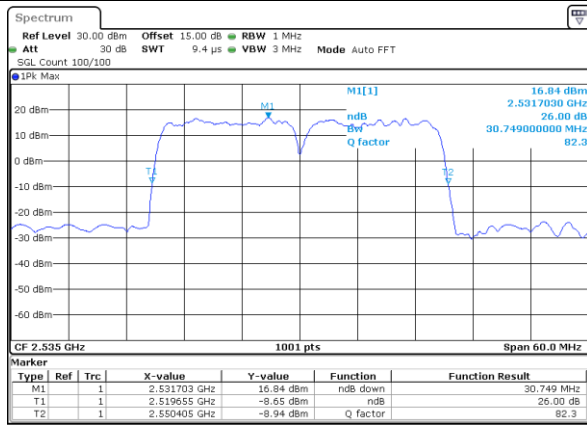
Middle Channel / 10MHz+20MHz



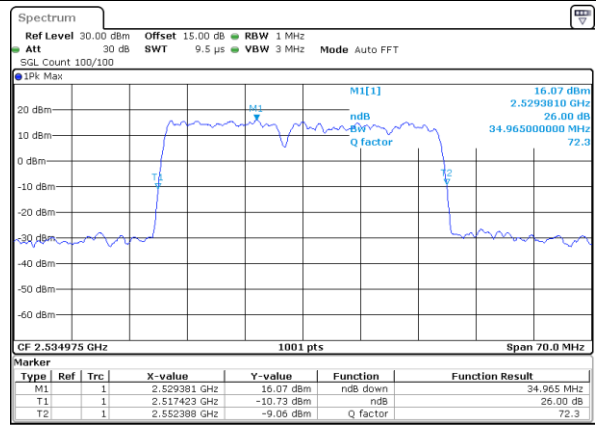
Middle Channel / 15MHz+10MHz



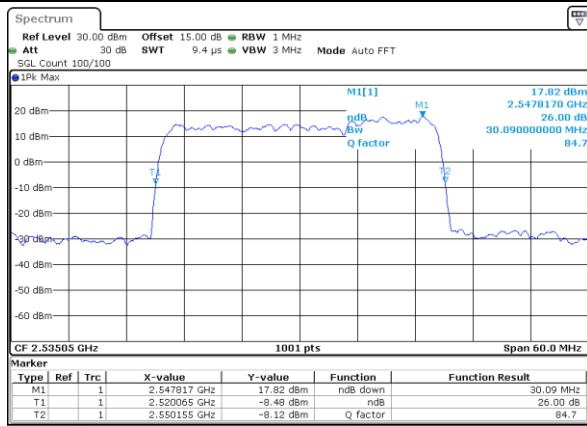
Middle Channel / 15MHz+15MHz



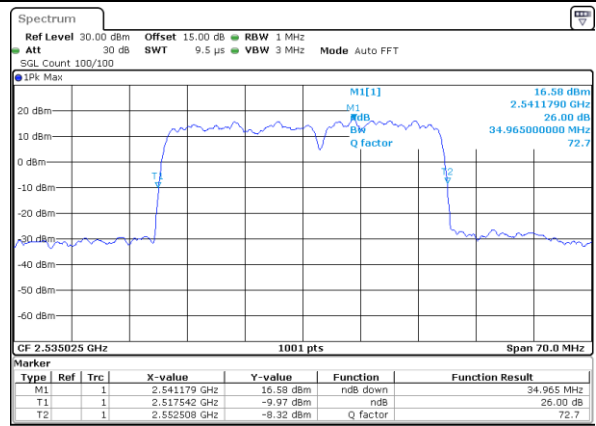
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



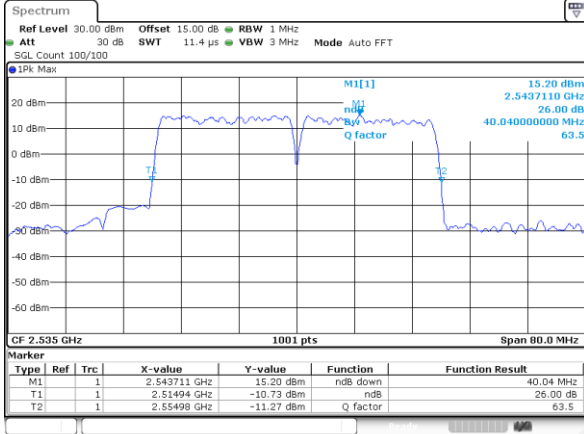


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A



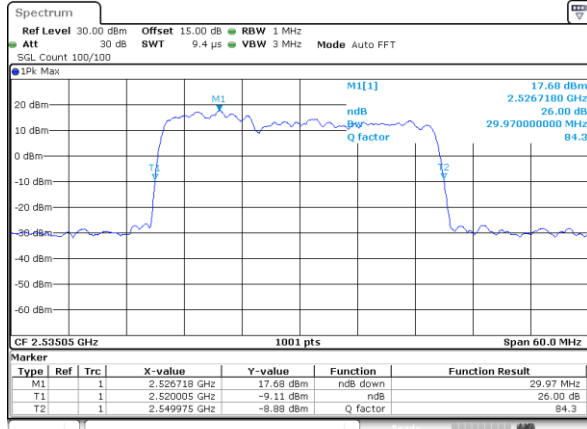
Date: 12_MAR_2025 09:15:29



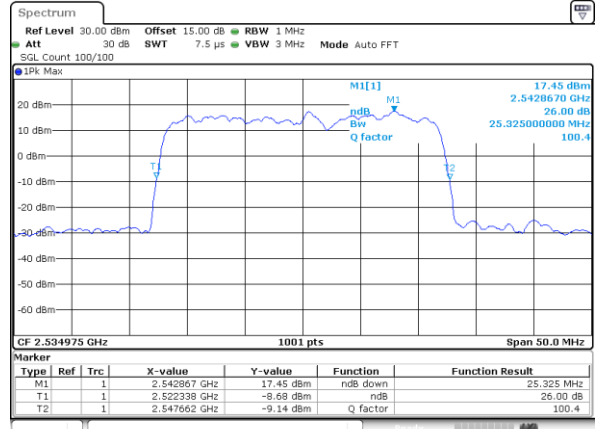
LTE Band 7C

16QAM

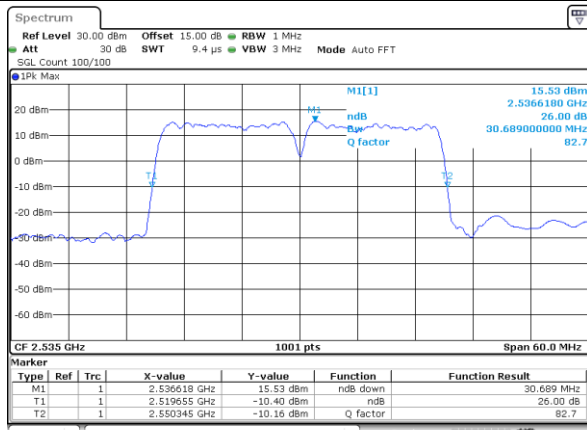
Middle Channel / 10MHz+20MHz



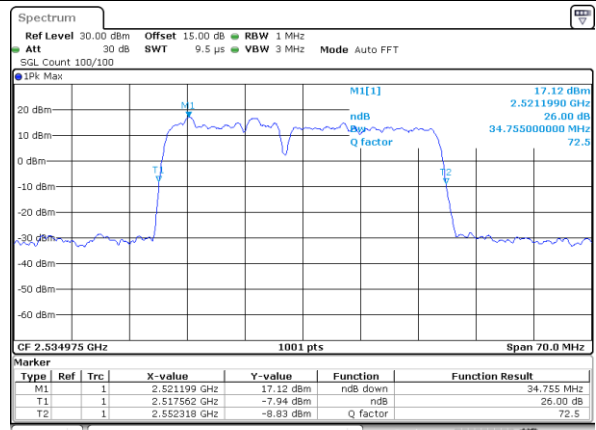
Middle Channel / 15MHz+10MHz



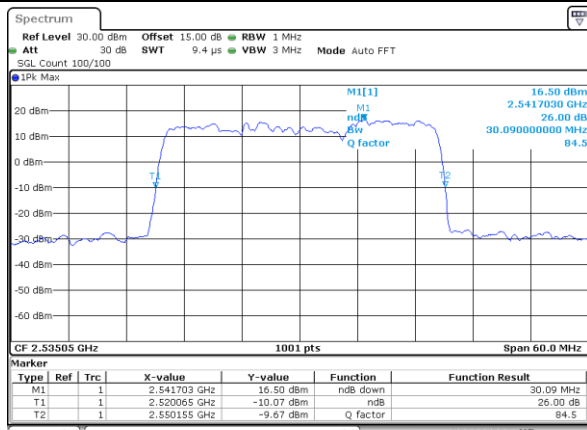
Middle Channel / 15MHz+15MHz



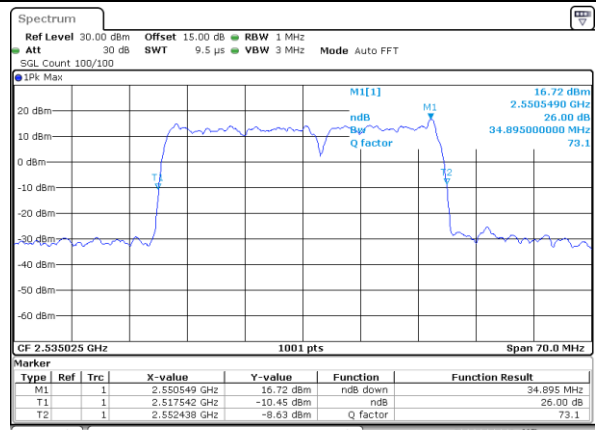
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



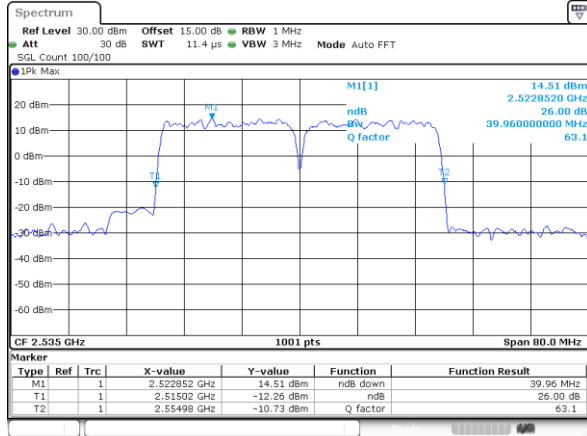


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A



Date: 12_MAR_2025 09:15:58

**Occupied Bandwidth**

Mode	LTE Band 7C : 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	28.05	23.48	28.65	32.87
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.17	32.87	37.72	

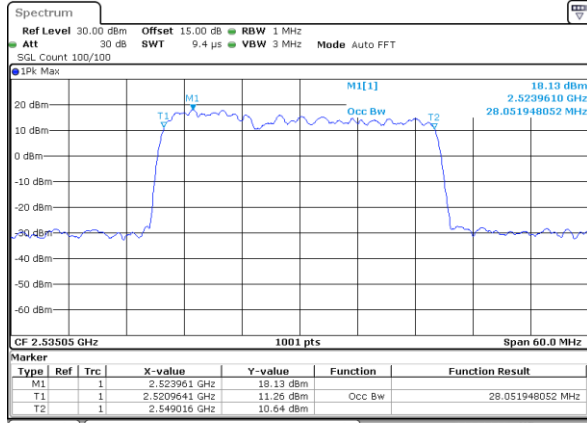
Mode	LTE Band 7C : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	28.11	23.43	28.59	32.94
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.99	32.94	37.88	



LTE Band 7C

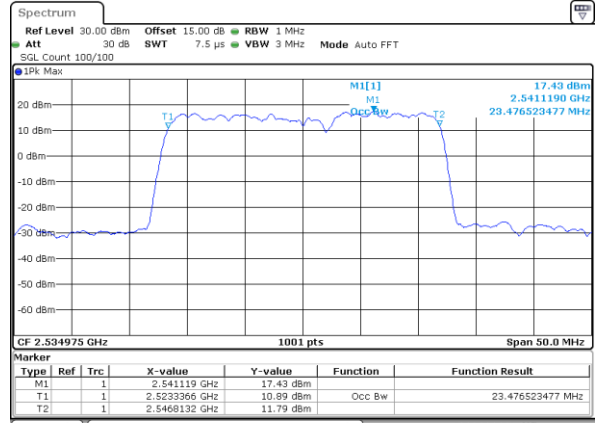
QPSK

Middle Channel / 10MHz+20MHz



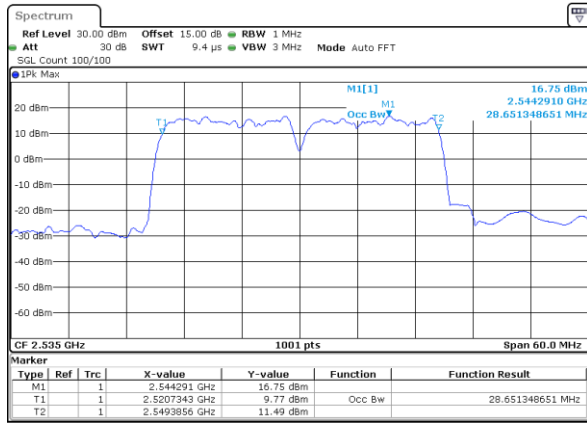
Date: 12.MAR.2025 09:01:54

Middle Channel / 15MHz+10MHz



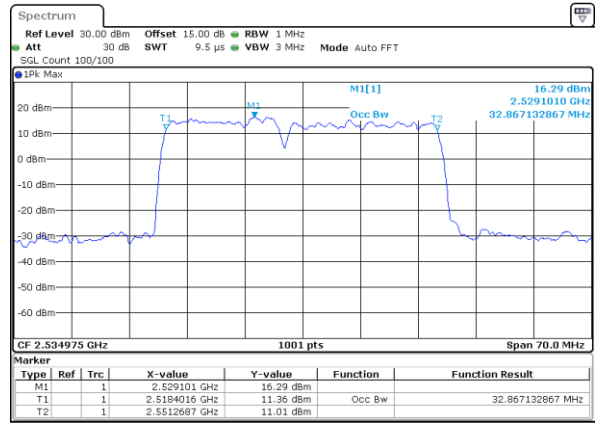
Date: 12.MAR.2025 09:17:16

Middle Channel / 15MHz+15MHz



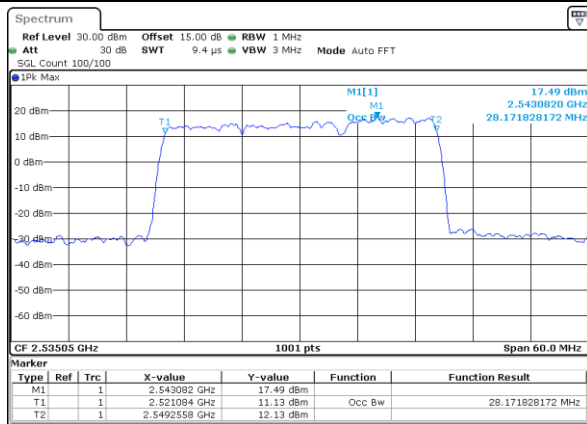
Date: 12.MAR.2025 09:06:54

Middle Channel / 15MHz+20MHz



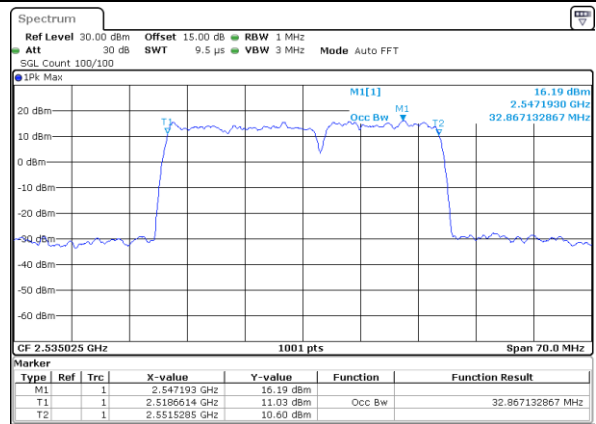
Date: 12.MAR.2025 09:08:59

Middle Channel / 20MHz+10MHz



Date: 12.MAR.2025 09:04:12

Middle Channel / 20MHz+15MHz



Date: 12.MAR.2025 09:12:39

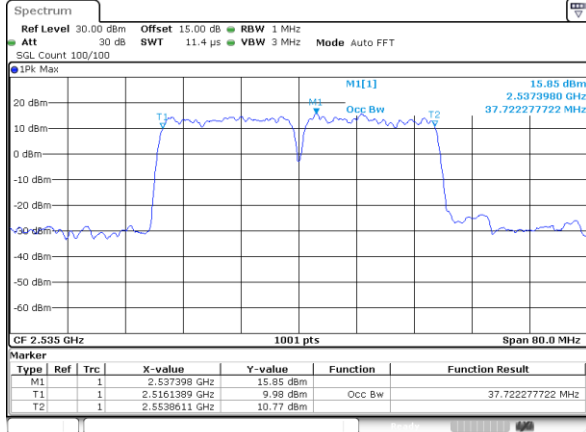


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A



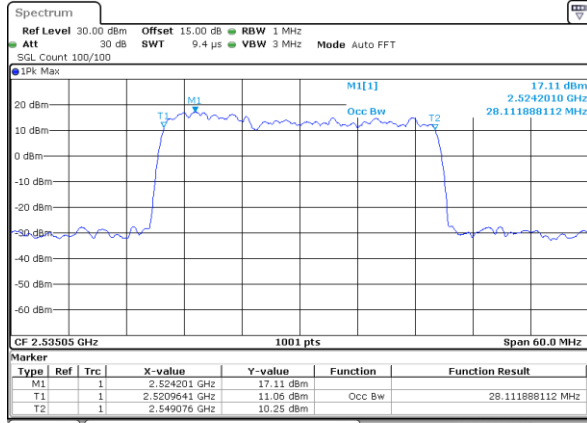
Date: 12, MAR, 2025 09:15:01



LTE Band 7C

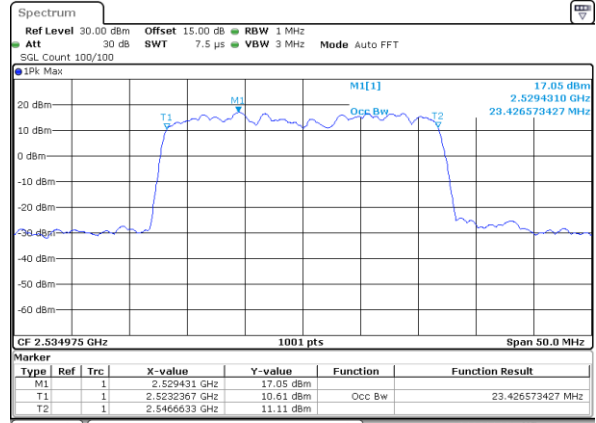
16QAM

Middle Channel / 10MHz+20MHz



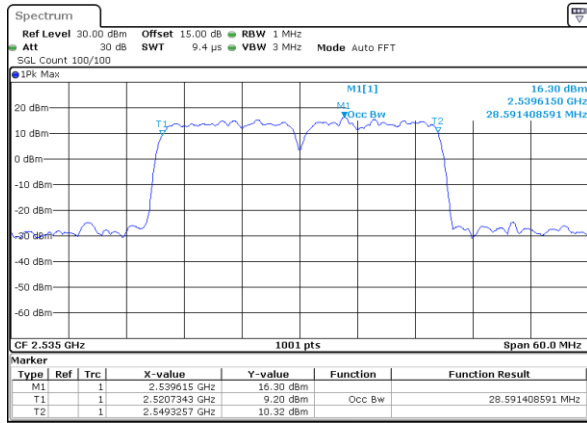
Date: 12.MAR.2025 09:03:27

Middle Channel / 15MHz+10MHz



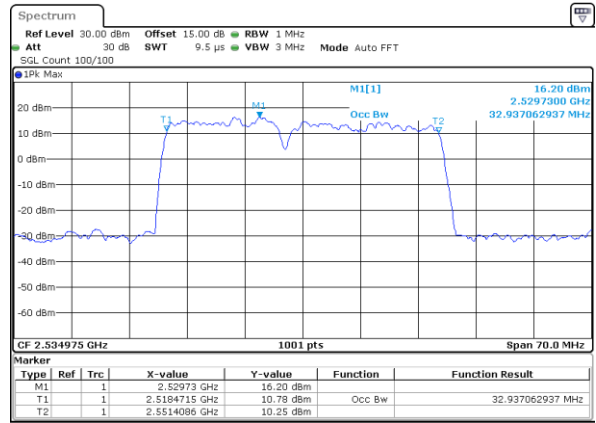
Date: 12.MAR.2025 09:18:53

Middle Channel / 15MHz+15MHz



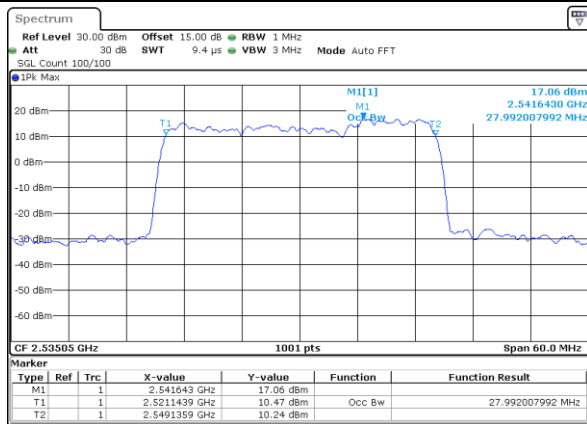
Date: 12.MAR.2025 09:08:23

Middle Channel / 15MHz+20MHz



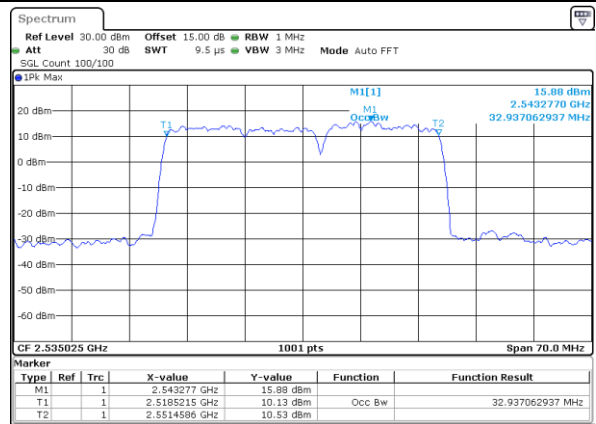
Date: 12.MAR.2025 09:10:32

Middle Channel / 20MHz+10MHz



Date: 12.MAR.2025 09:05:45

Middle Channel / 20MHz+15MHz



Date: 12.MAR.2025 09:14:20

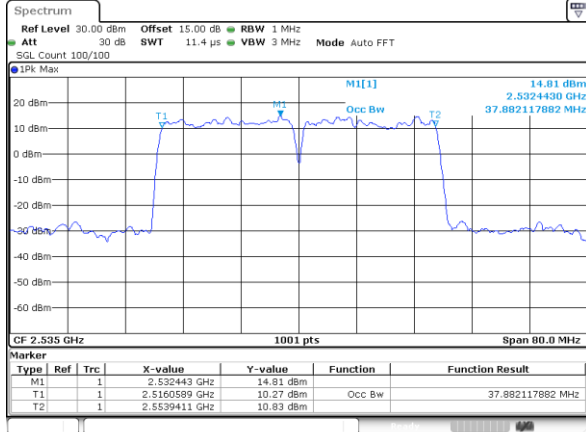


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A



Date: 12, MAR, 2025 09:16:28