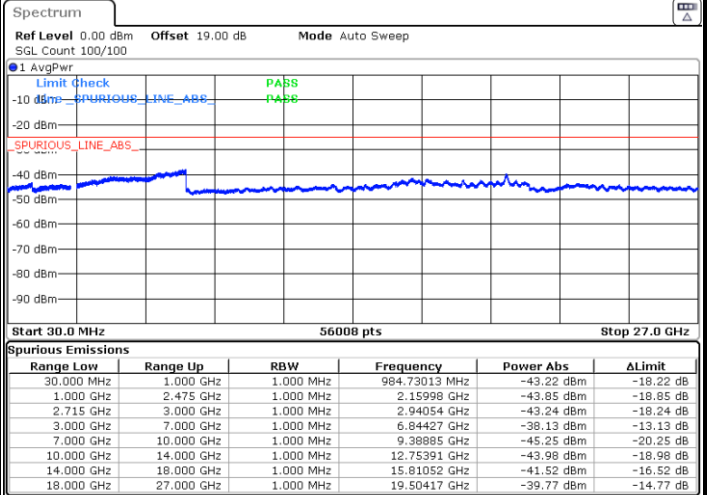
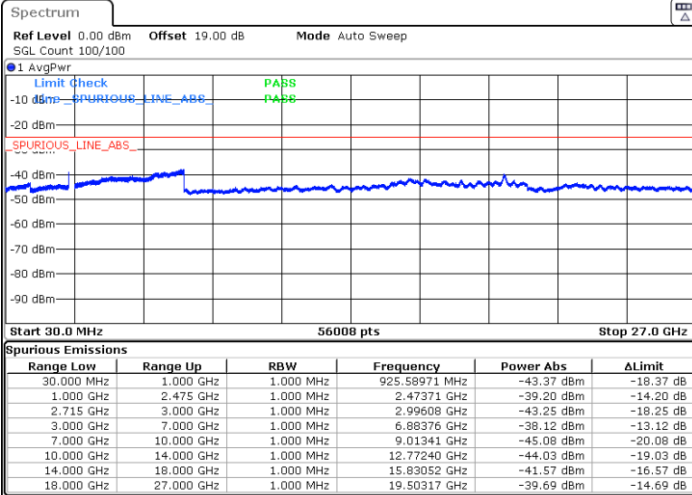




LTE Band 41 / 10MHz

Lowest Channel / QPSK

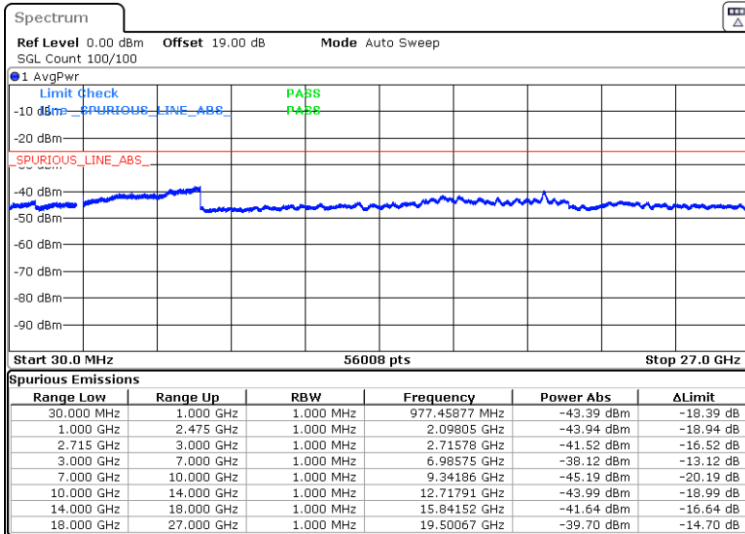
Middle Channel / QPSK



Date: 4 MAR 2025 13:39:56

Date: 4 MAR 2025 13:41:10

Highest Channel / QPSK



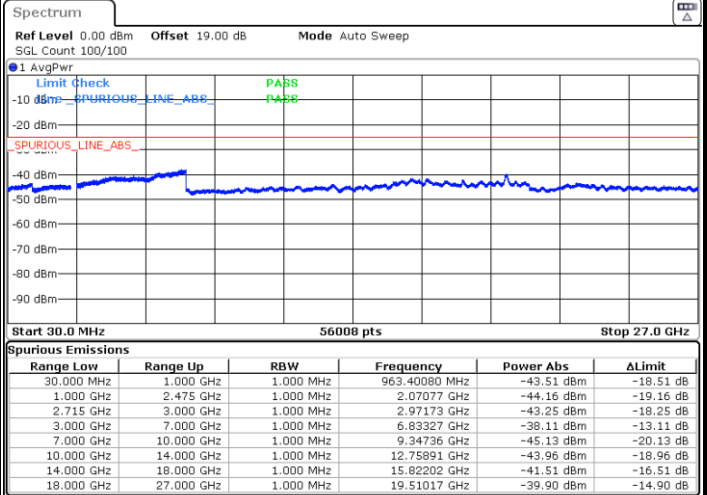
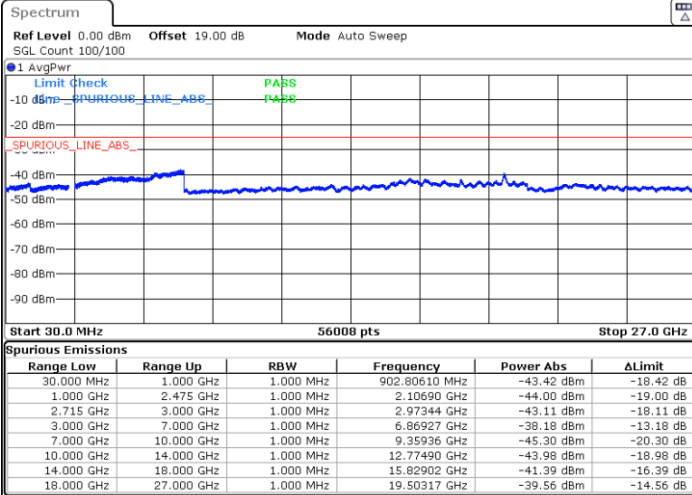
Date: 4 MAR 2025 13:49:34



LTE Band 41 / 15MHz

Lowest Channel / QPSK

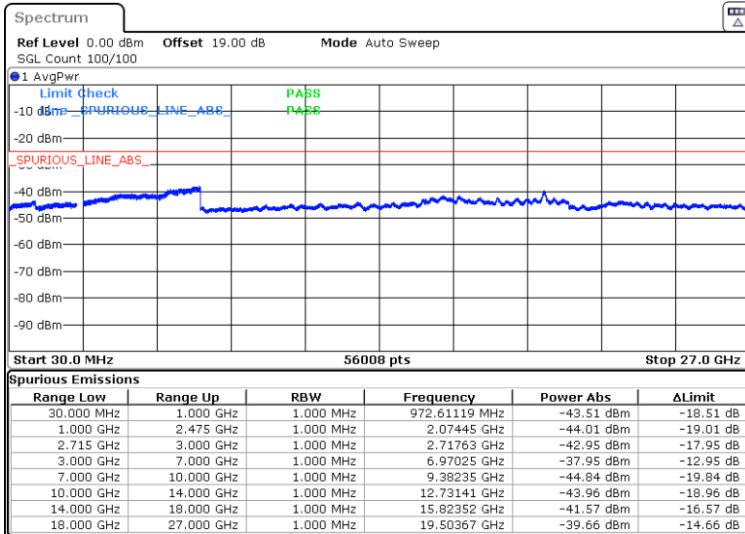
Middle Channel / QPSK



Date: 4 MAR 2025 13:57:33

Date: 4 MAR 2025 13:58:47

Highest Channel / QPSK



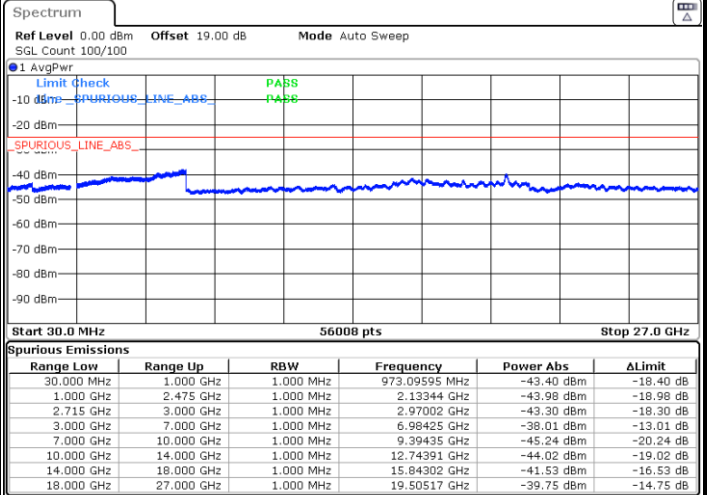
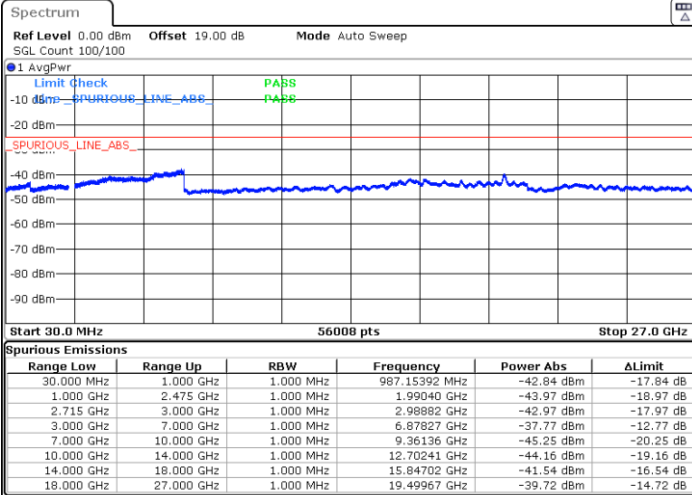
Date: 4 MAR 2025 14:07:30



LTE Band 41 / 20MHz

Lowest Channel / QPSK

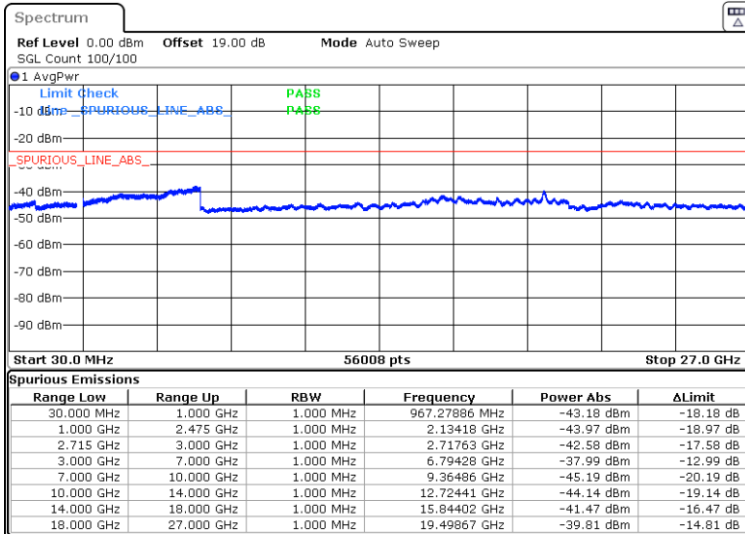
Middle Channel / QPSK



Date: 4 MAR 2025 14:15:22

Date: 4 MAR 2025 14:16:36

Highest Channel / QPSK



Date: 4 MAR 2025 14:26:51



### 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:**

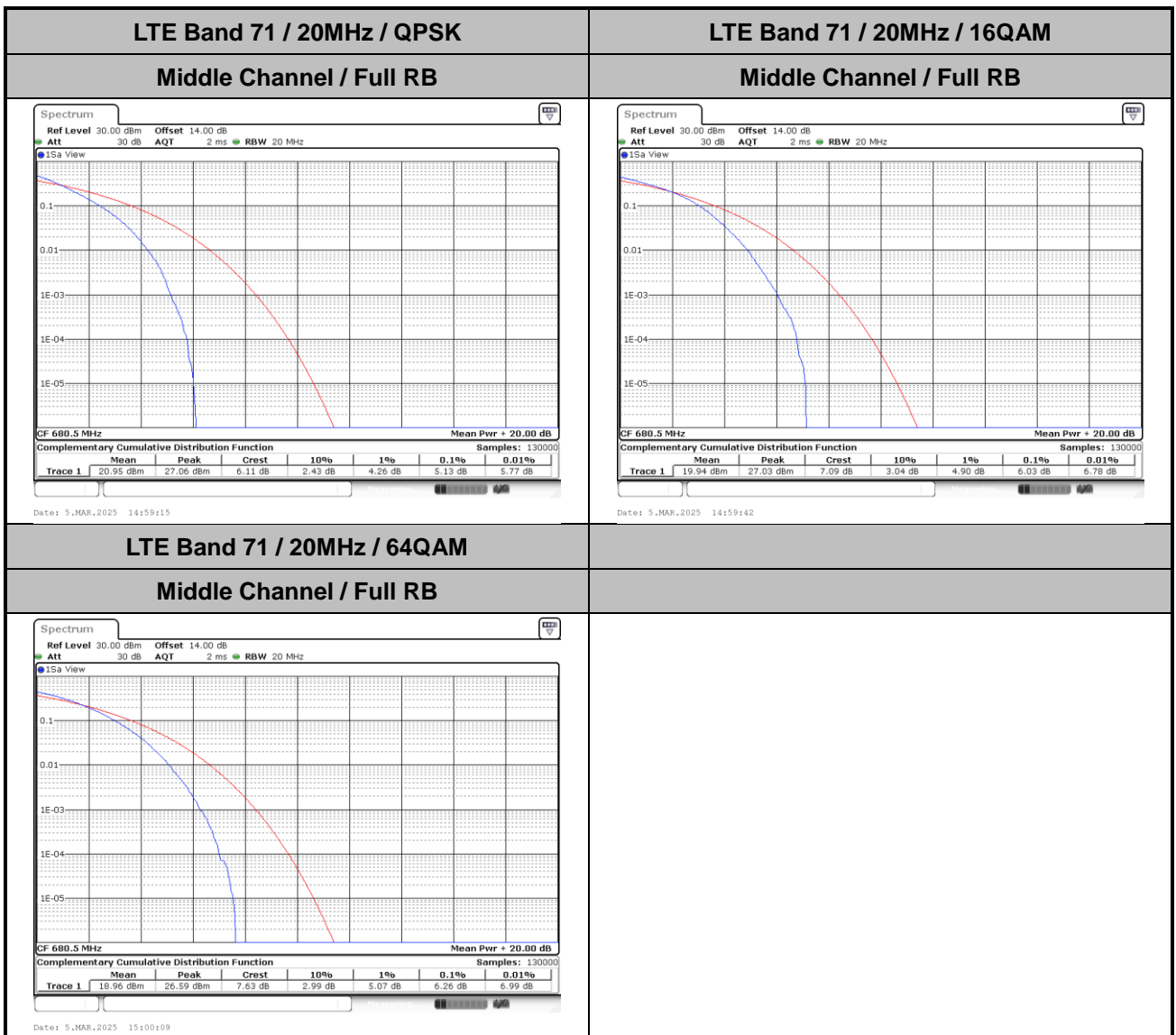
1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.45 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 71

## Peak-to-Average Ratio

Mode	LTE Band 71 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.13	6.03	6.26	PASS





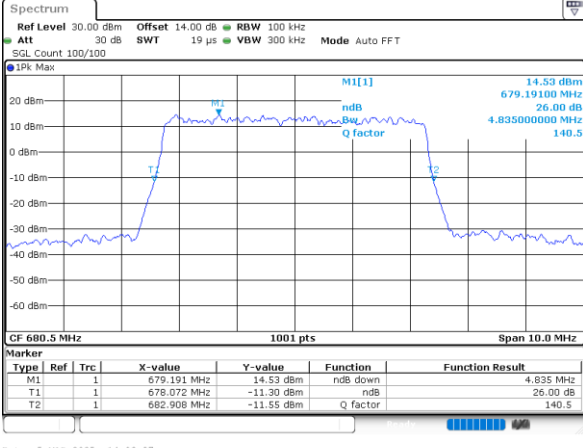
## 26dB Bandwidth

Mode	LTE Band 71 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.84	4.82	9.79	9.69	14.36	14.42	18.98	19.34



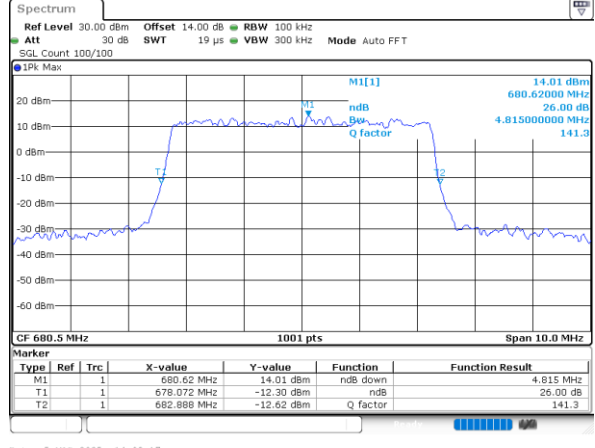
LTE Band 71

Middle Channel / 5MHz / QPSK



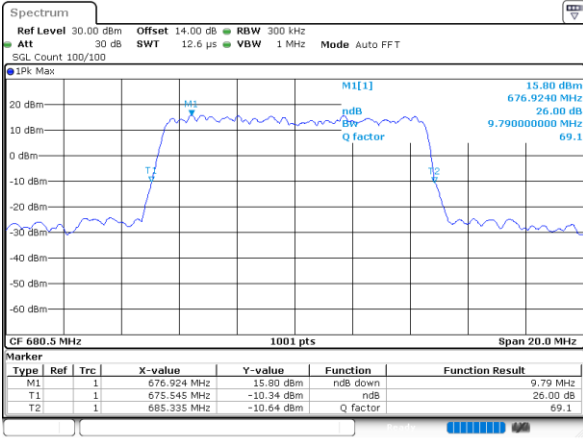
Date: 5\_MAR.2025 14:08:37

Middle Channel / 5MHz / 16QAM



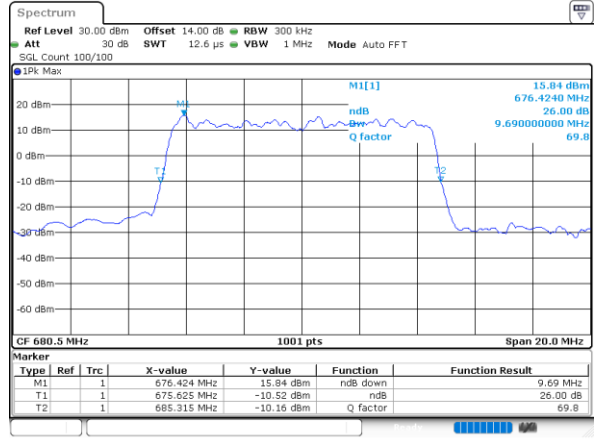
Date: 5\_MAR.2025 14:09:17

Middle Channel / 10MHz / QPSK



Date: 5\_MAR.2025 14:25:12

Middle Channel / 10MHz / 16QAM

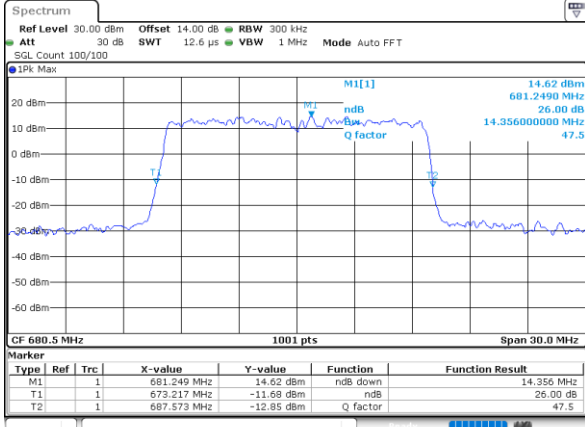


Date: 5\_MAR.2025 14:25:52



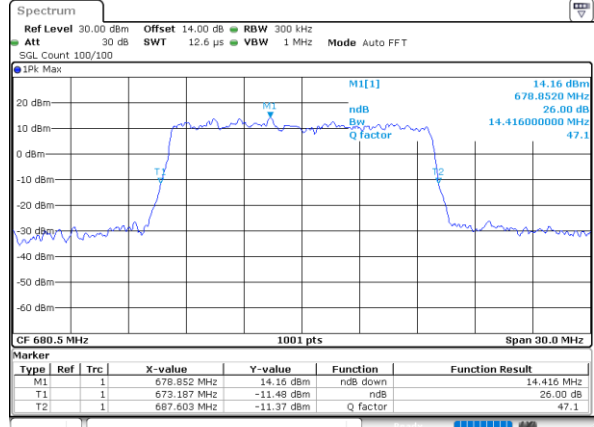
LTE Band 71

Middle Channel / 15MHz / QPSK



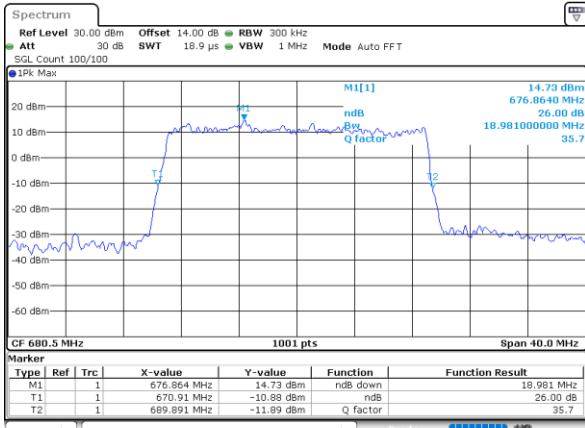
Date: 5.MAR.2025 14:41:44

Middle Channel / 15MHz / 16QAM



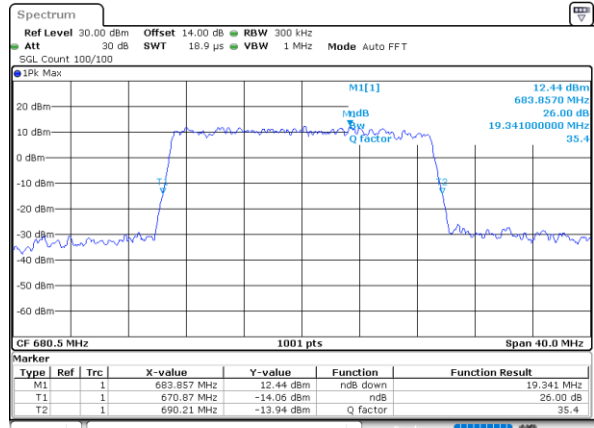
Date: 5.MAR.2025 14:42:24

Middle Channel / 20MHz / QPSK



Date: 5.MAR.2025 14:58:08

Middle Channel / 20MHz / 16QAM



Date: 5.MAR.2025 14:58:48



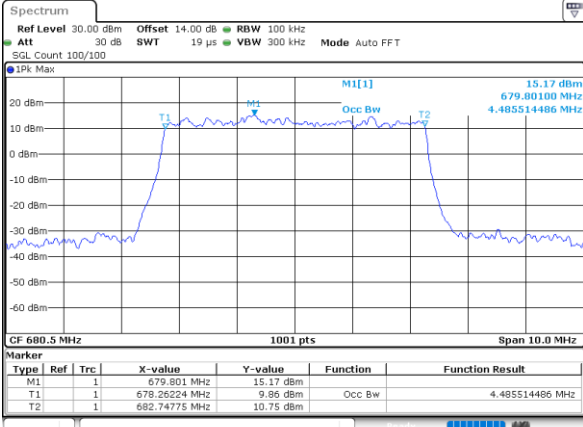
## Occupied Bandwidth

Mode	LTE Band 71 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.49	4.49	9.05	9.01	13.43	13.46	17.82	17.82



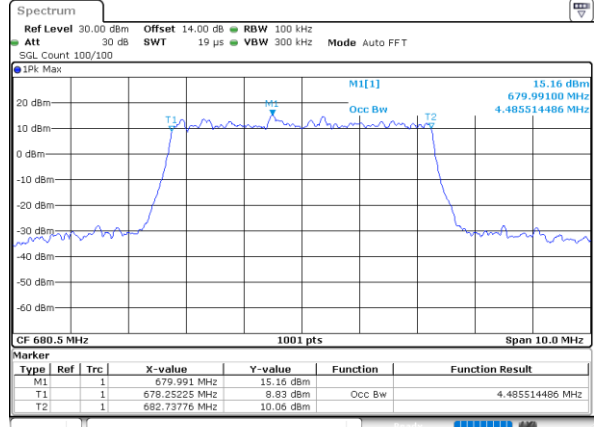
LTE Band 71

Middle Channel / 5MHz / QPSK



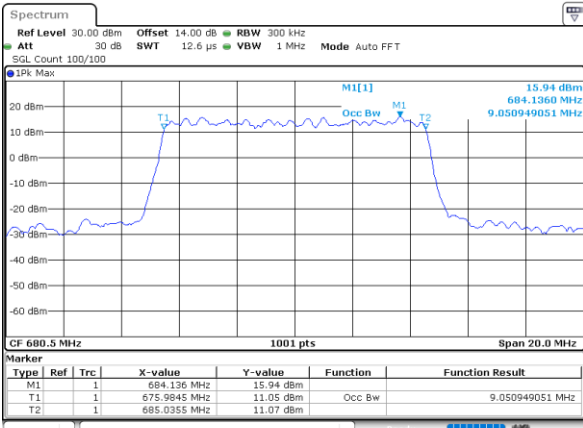
Date: 5, MAR, 2025 14:08:23

Middle Channel / 5MHz / 16QAM



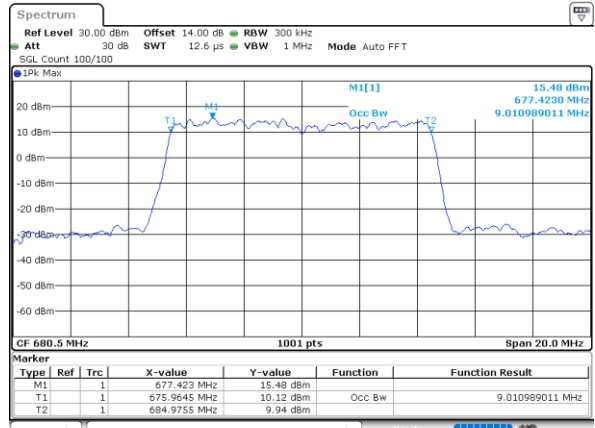
Date: 5, MAR, 2025 14:09:03

Middle Channel / 10MHz / QPSK



Date: 5, MAR, 2025 14:24:58

Middle Channel / 10MHz / 16QAM

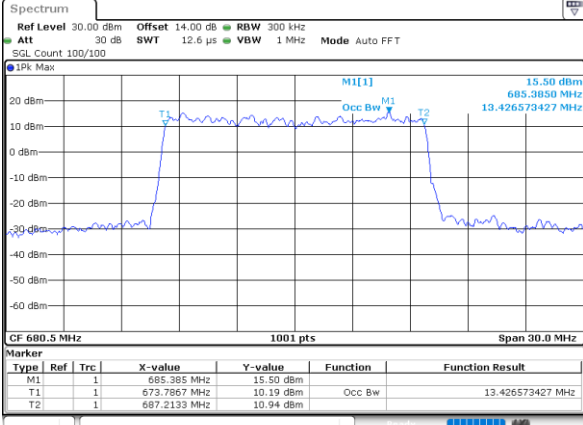


Date: 5, MAR, 2025 14:25:38



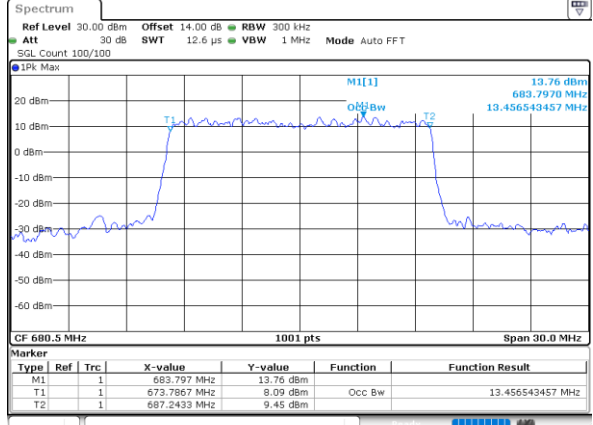
LTE Band 71

Middle Channel / 15MHz / QPSK



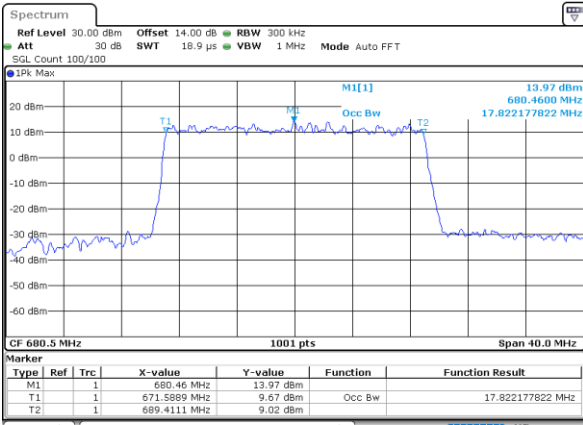
Date: 5.MAR.2025 14:41:30

Middle Channel / 15MHz / 16QAM



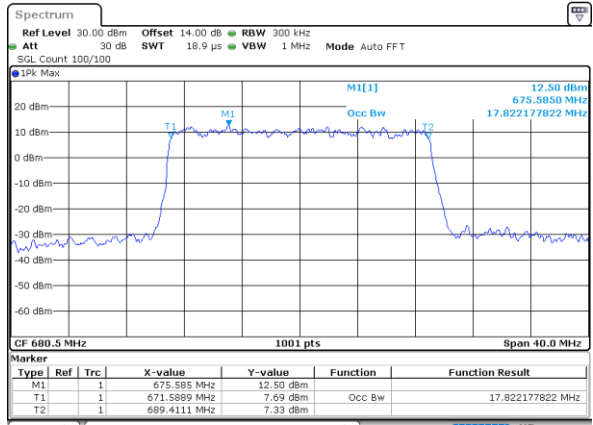
Date: 5.MAR.2025 14:42:10

Middle Channel / 20MHz / QPSK



Date: 5.MAR.2025 14:57:54

Middle Channel / 20MHz / 16QAM



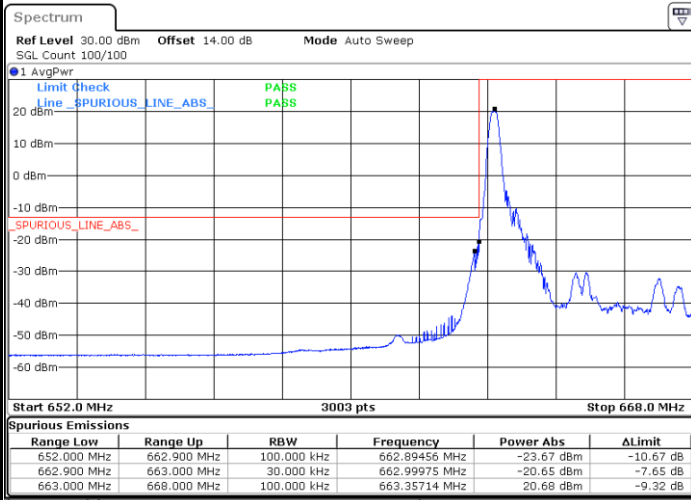
Date: 5.MAR.2025 14:58:34



# Conducted Band Edge

## LTE Band 71 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



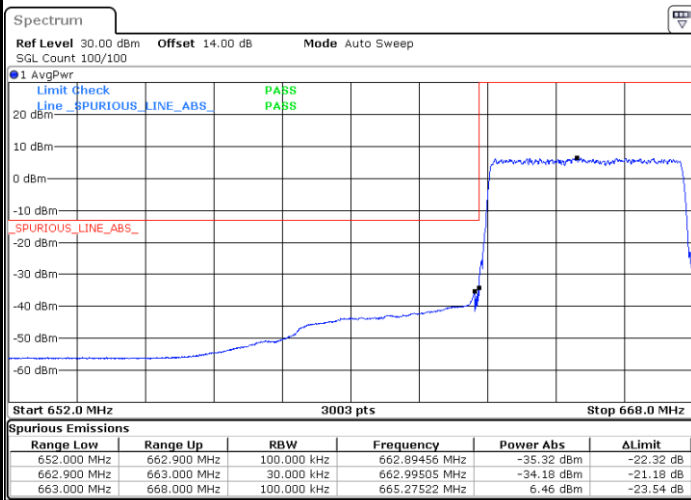
Date: 5.MAR.2025 14:02:03

### Highest Band Edge / 1 RB



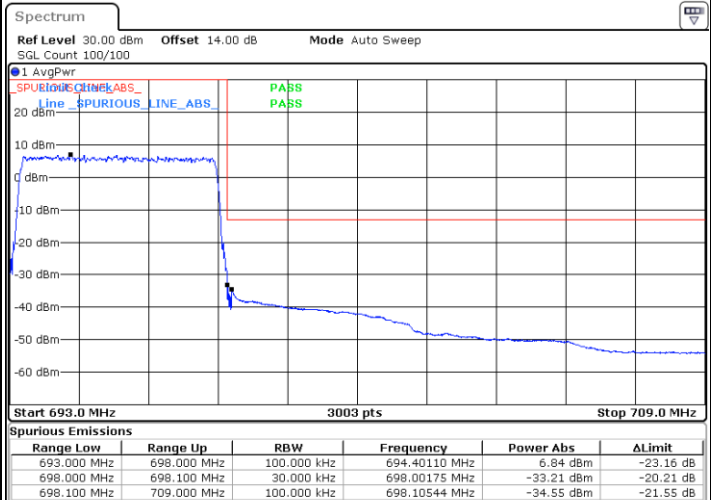
Date: 5.MAR.2025 14:10:09

### Lowest Band Edge / Full RB



Date: 5.MAR.2025 14:04:40

### Highest Band Edge / Full RB

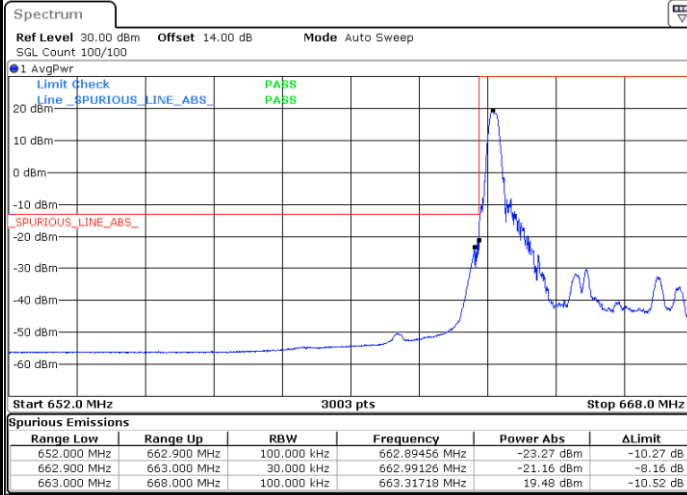


Date: 5.MAR.2025 14:12:53



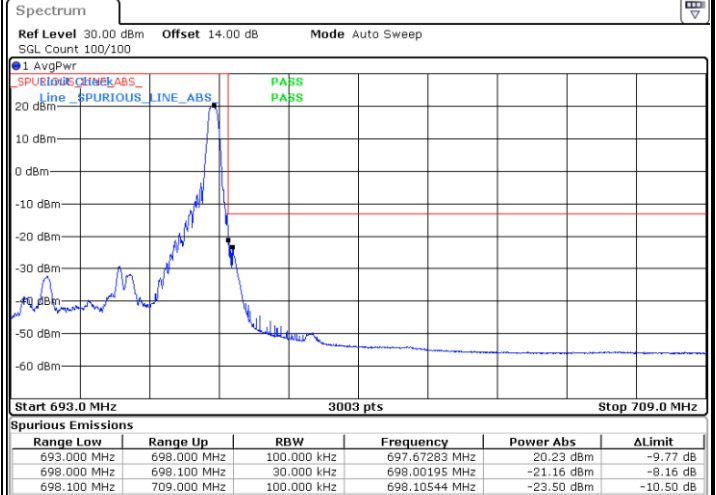
LTE Band 71 / 5MHz / 16QAM

Lowest Band Edge / 1RB



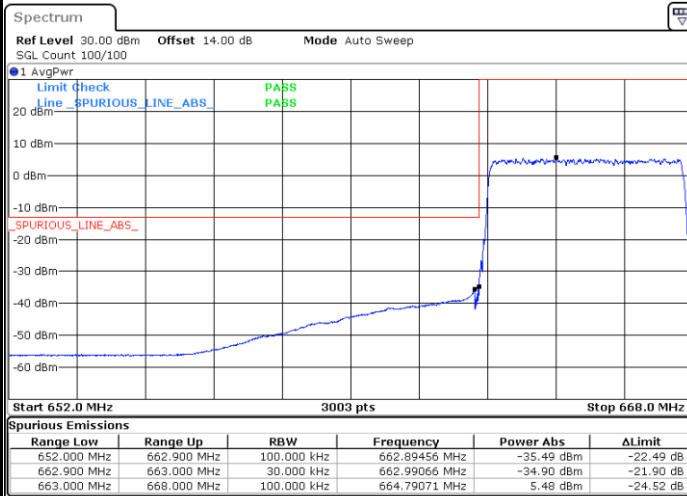
Date: 5.MAR.2025 14:02:55

Highest Band Edge / 1 RB



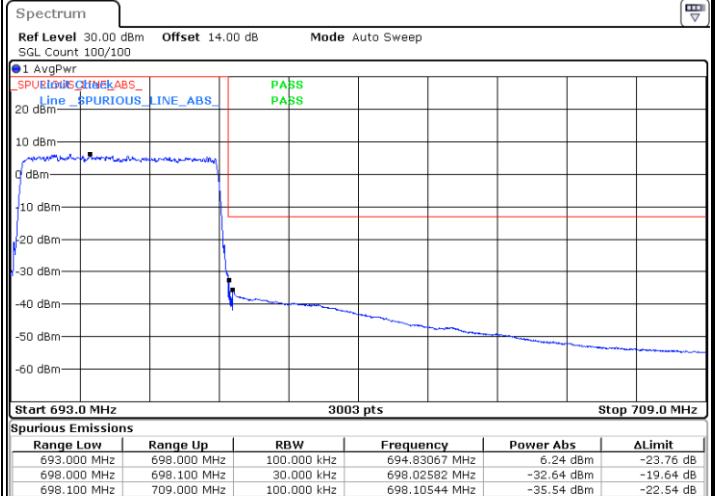
Date: 5.MAR.2025 14:11:04

Lowest Band Edge / Full RB



Date: 5.MAR.2025 14:00:31

Highest Band Edge / Full RB

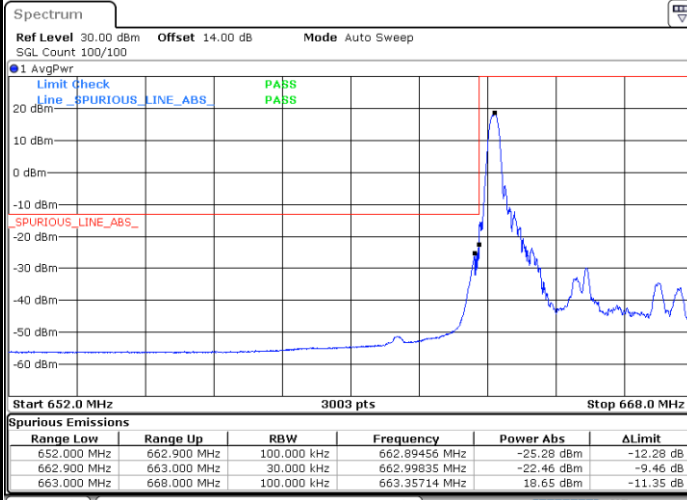


Date: 5.MAR.2025 14:13:48



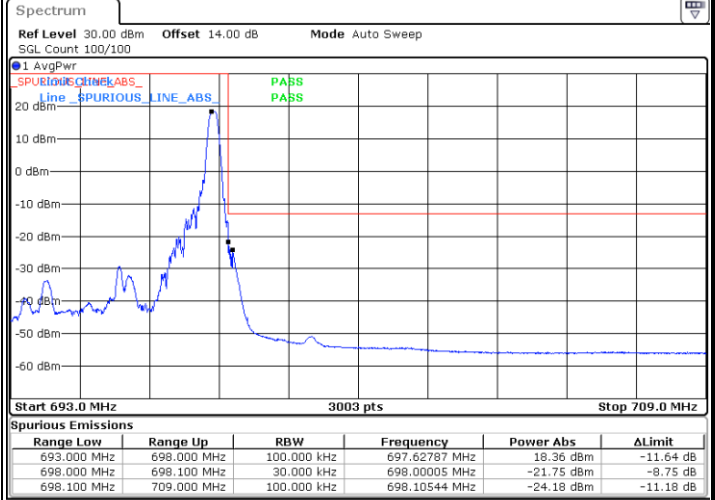
LTE Band 71 / 5MHz / 64QAM

Lowest Band Edge / 1RB



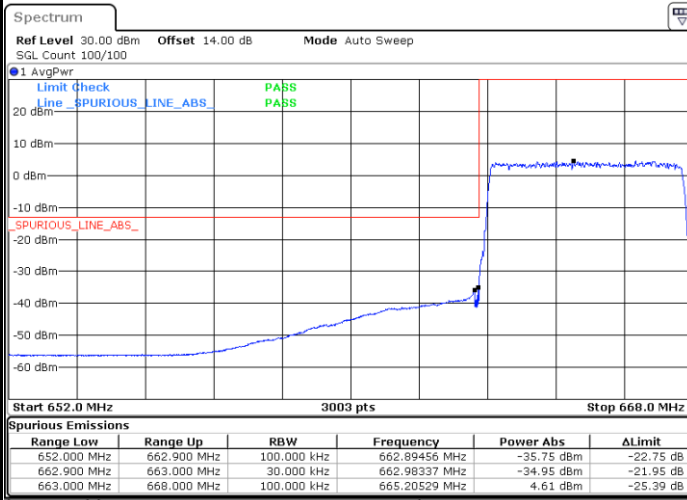
Date: 5.MAR.2025 14:03:47

Highest Band Edge / 1 RB



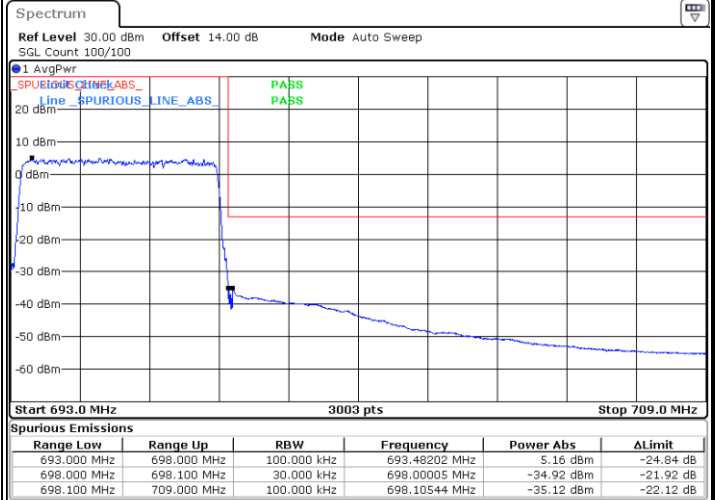
Date: 5.MAR.2025 14:11:59

Lowest Band Edge / Full RB



Date: 5.MAR.2025 14:05:33

Highest Band Edge / Full RB

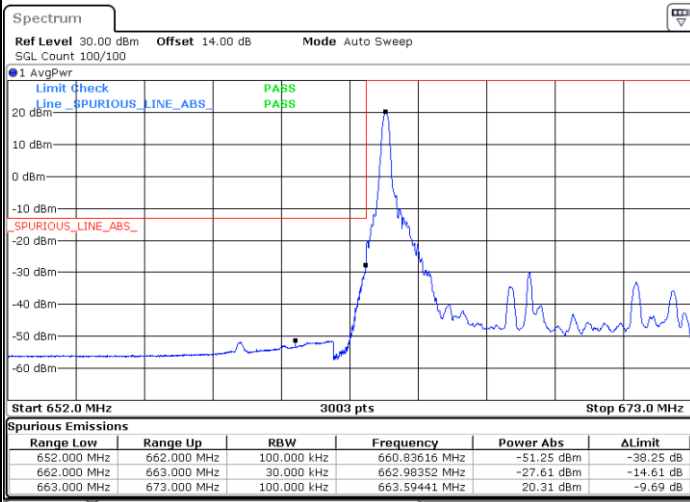


Date: 5.MAR.2025 14:14:43



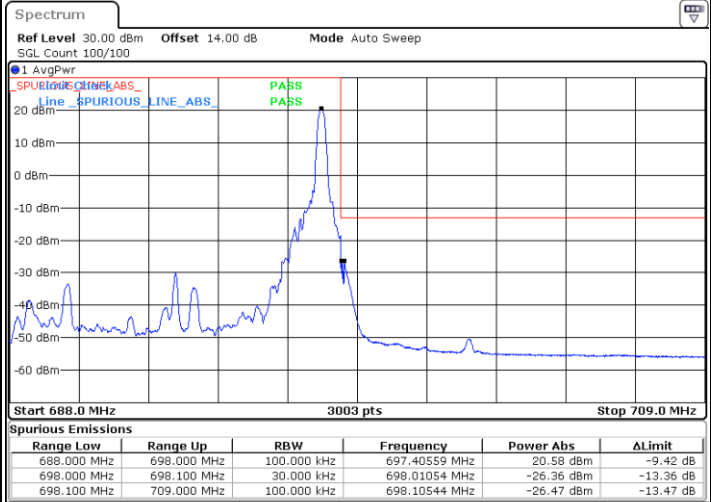
LTE Band 71 / 10MHz / QPSK

Lowest Band Edge / 1 RB



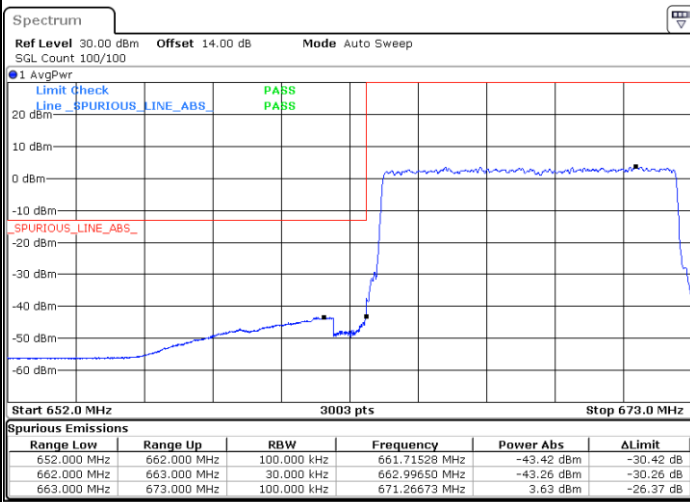
Date: 5.MAR.2025 14:17:37

Highest Band Edge / 1 RB



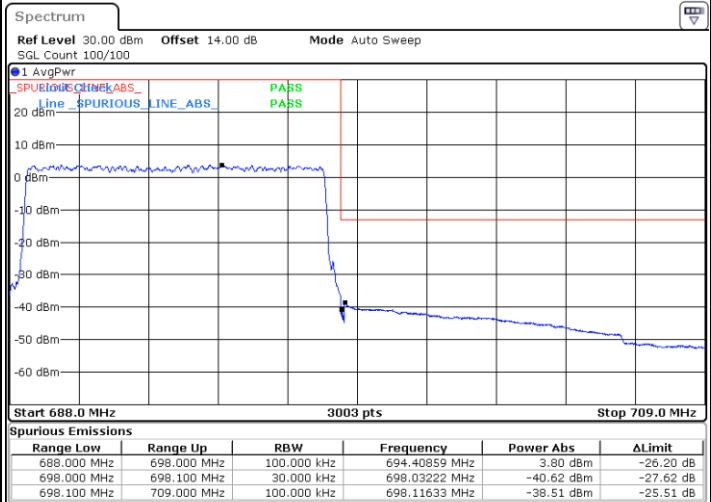
Date: 5.MAR.2025 14:26:45

Lowest Band Edge / Full RB



Date: 5.MAR.2025 14:20:18

Highest Band Edge / Full RB

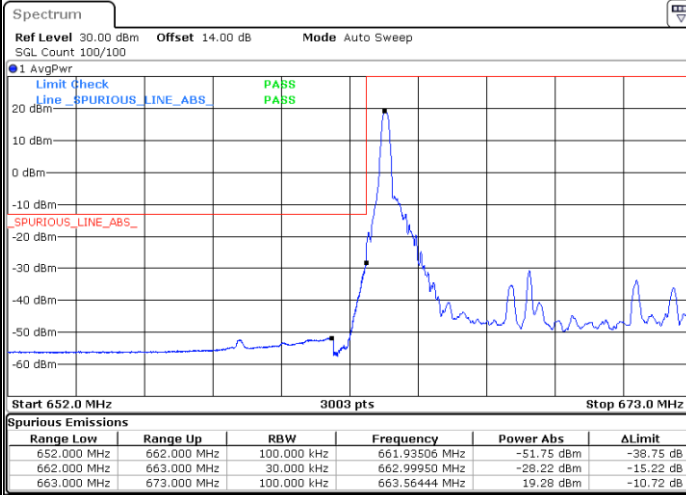


Date: 5.MAR.2025 14:29:25



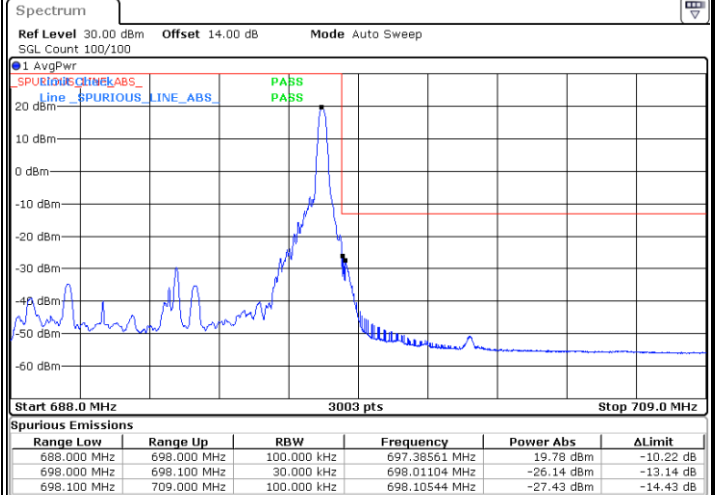
LTE Band 71 / 10MHz / 16QAM

Lowest Band Edge / 1RB



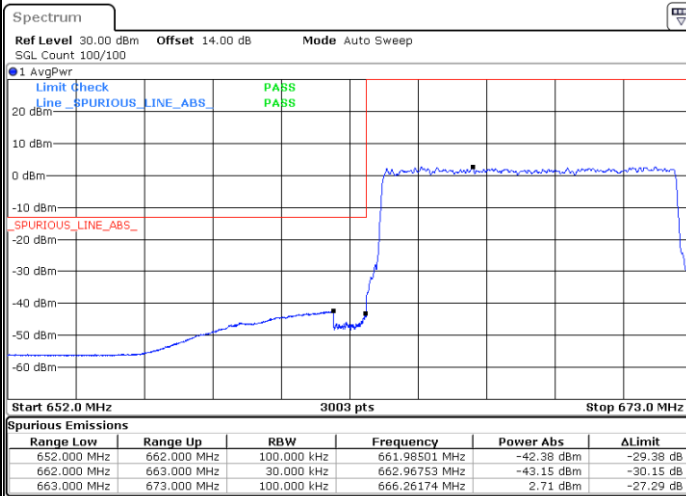
Date: 5.MAR.2025 14:18:29

Highest Band Edge / 1 RB



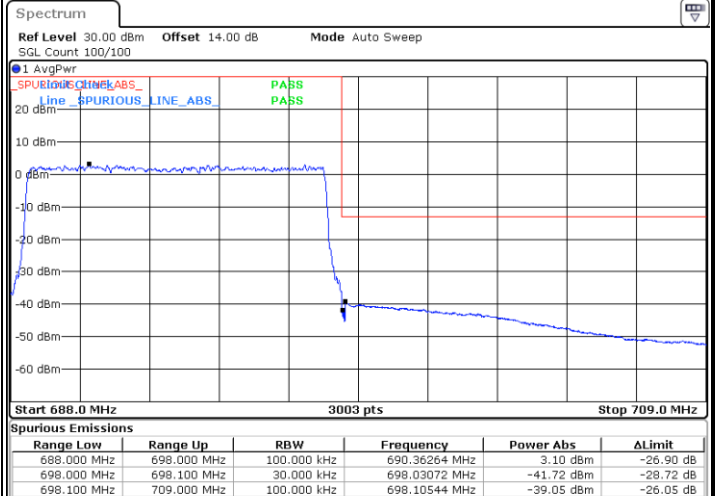
Date: 5.MAR.2025 14:27:38

Lowest Band Edge / Full RB



Date: 5.MAR.2025 14:21:11

Highest Band Edge / Full RB

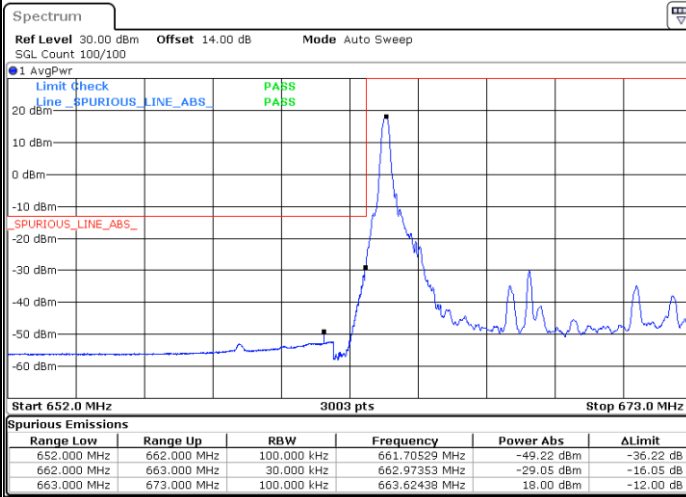


Date: 5.MAR.2025 14:30:19



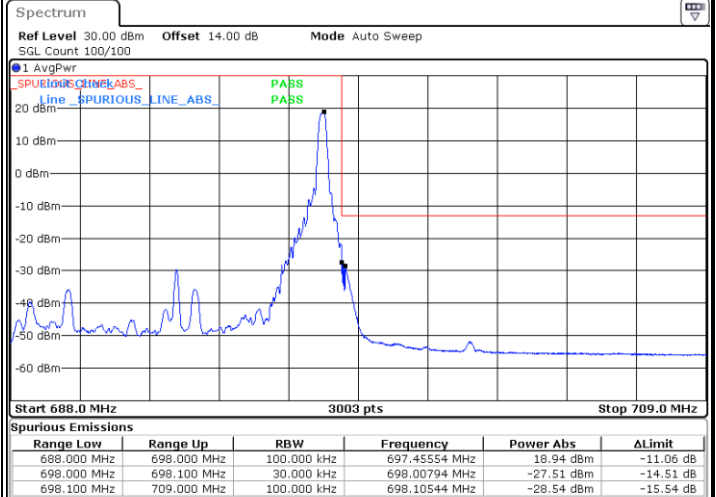
LTE Band 71 / 10MHz / 64QAM

Lowest Band Edge / 1RB



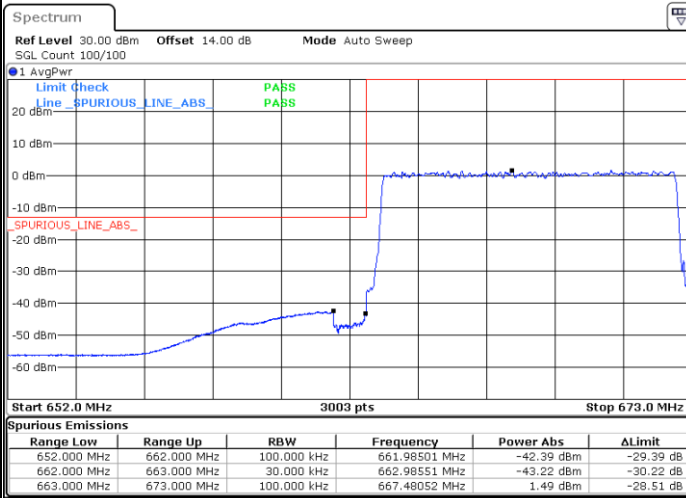
Date: 5.MAR.2025 14:19:23

Highest Band Edge / 1 RB



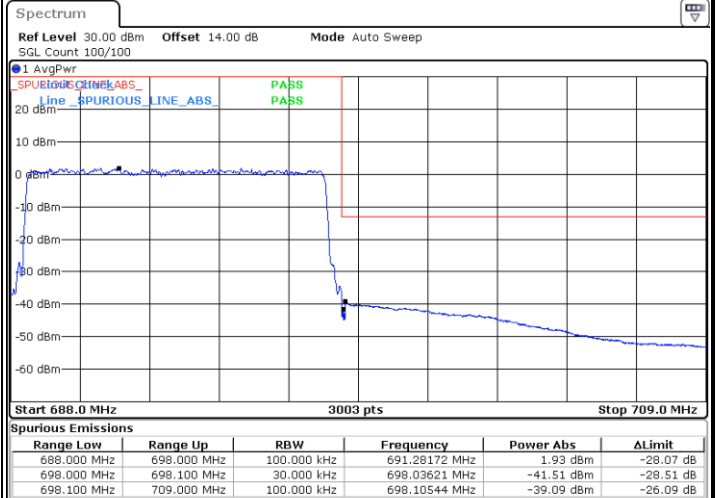
Date: 5.MAR.2025 14:28:32

Lowest Band Edge / Full RB



Date: 5.MAR.2025 14:22:06

Highest Band Edge / Full RB

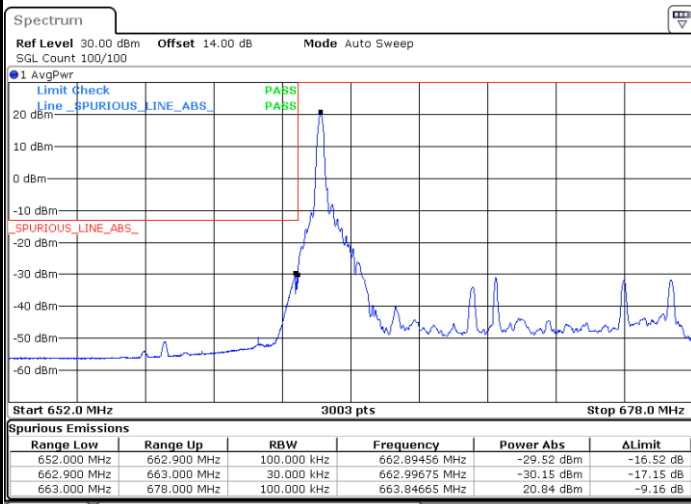


Date: 5.MAR.2025 14:31:12



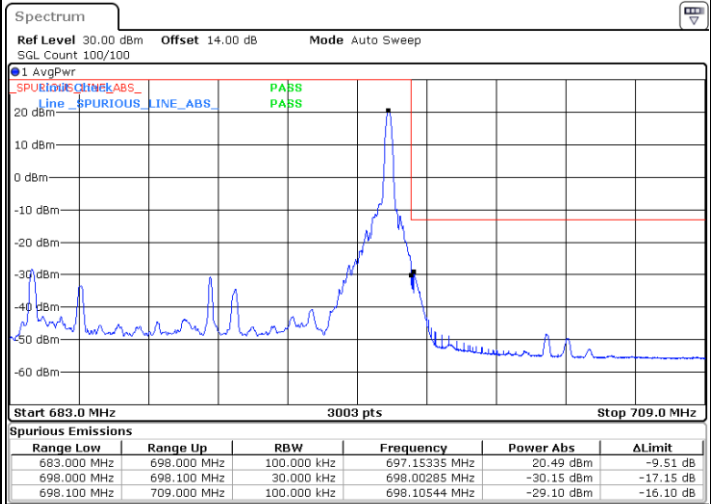
LTE Band 71 / 15MHz / QPSK

Lowest Band Edge / 1 RB



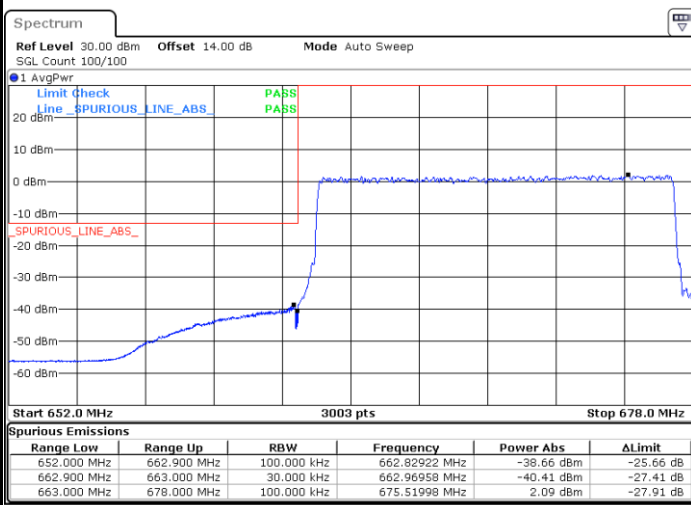
Date: 5.MAR.2025 14:34:05

Highest Band Edge / 1 RB



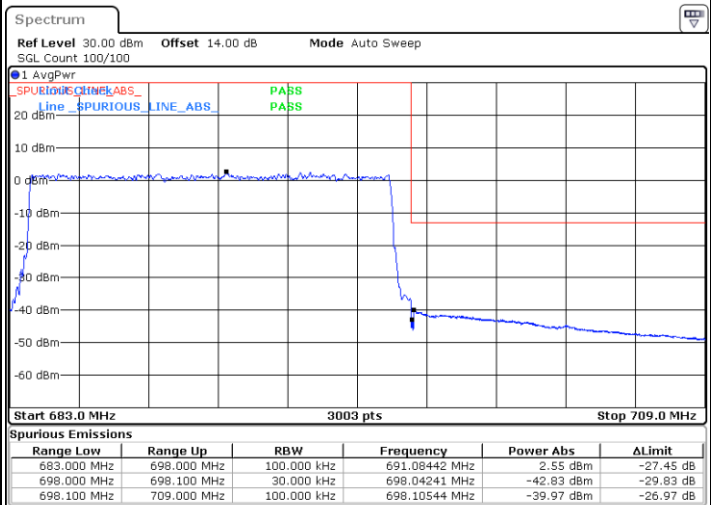
Date: 5.MAR.2025 14:43:17

Lowest Band Edge / Full RB



Date: 5.MAR.2025 14:36:48

Highest Band Edge / Full RB

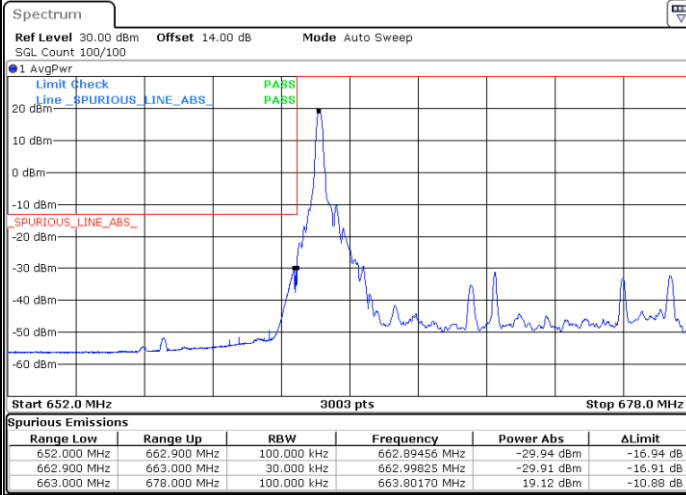


Date: 5.MAR.2025 14:45:55



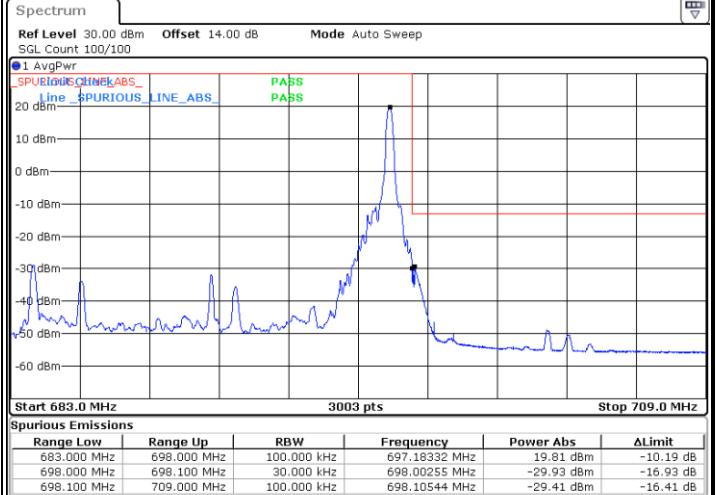
LTE Band 71 / 15MHz / 16QAM

Lowest Band Edge / 1RB



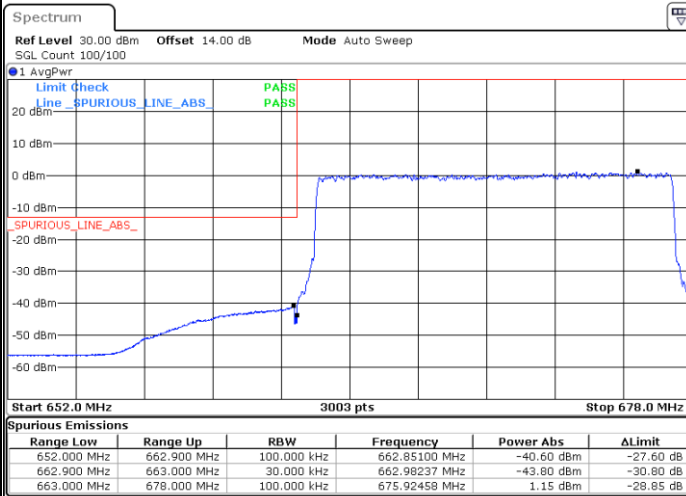
Date: 5.MAR.2025 14:34:59

Highest Band Edge / 1 RB



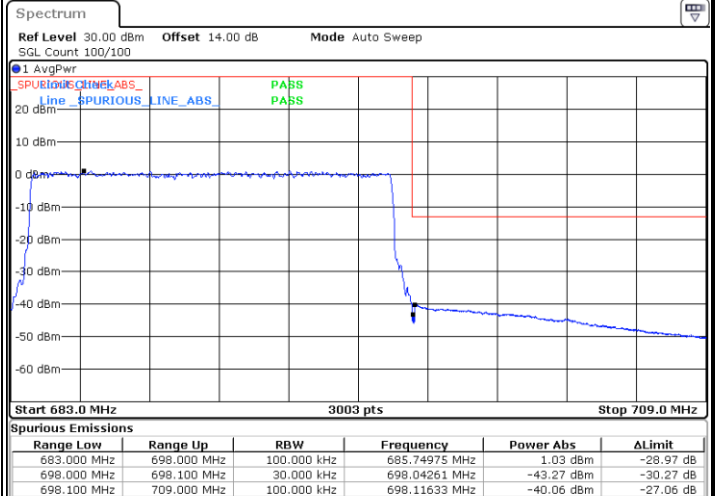
Date: 5.MAR.2025 15:24:31

Lowest Band Edge / Full RB



Date: 5.MAR.2025 14:37:42

Highest Band Edge / Full RB

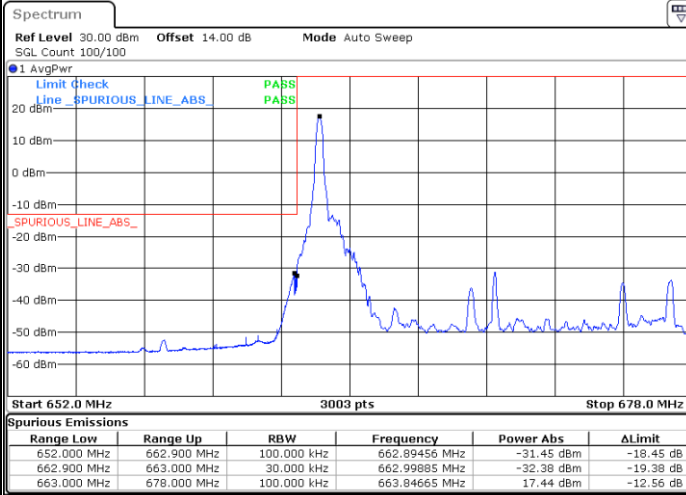


Date: 5.MAR.2025 14:46:49



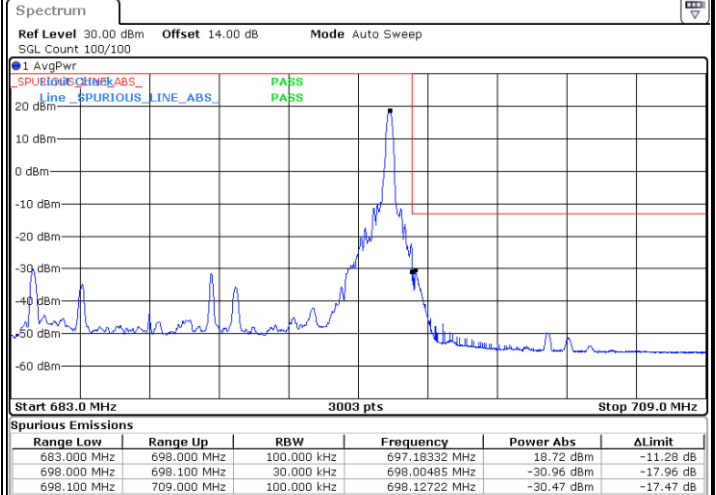
LTE Band 71 / 15MHz / 64QAM

Lowest Band Edge / 1RB



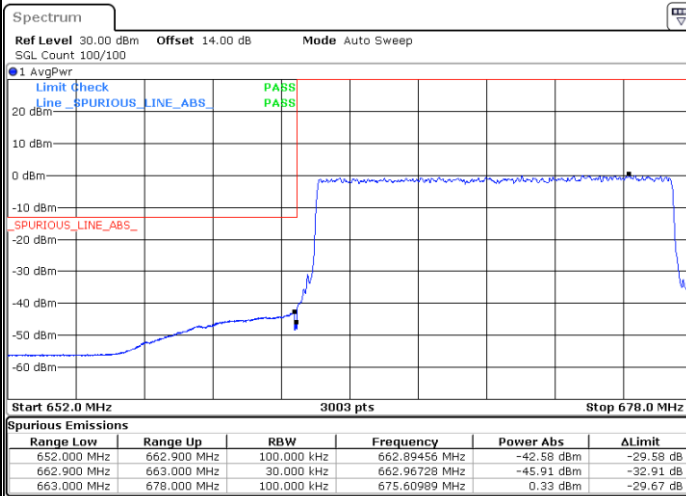
Date: 5.MAR.2025 14:35:54

Highest Band Edge / 1 RB



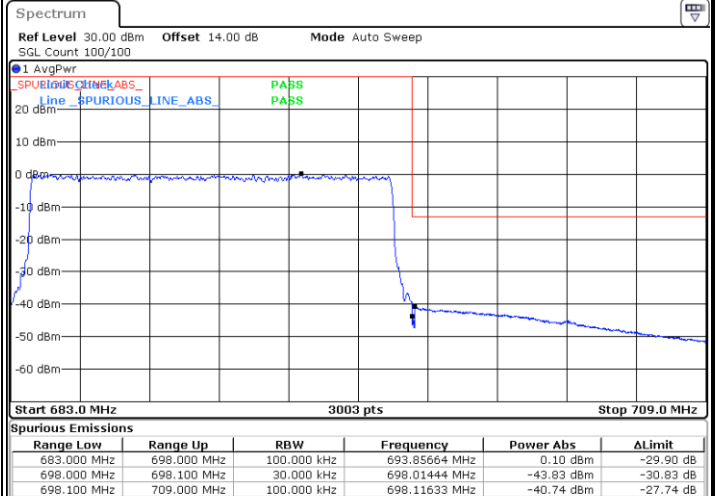
Date: 5.MAR.2025 14:45:01

Lowest Band Edge / Full RB



Date: 5.MAR.2025 14:38:35

Highest Band Edge / Full RB

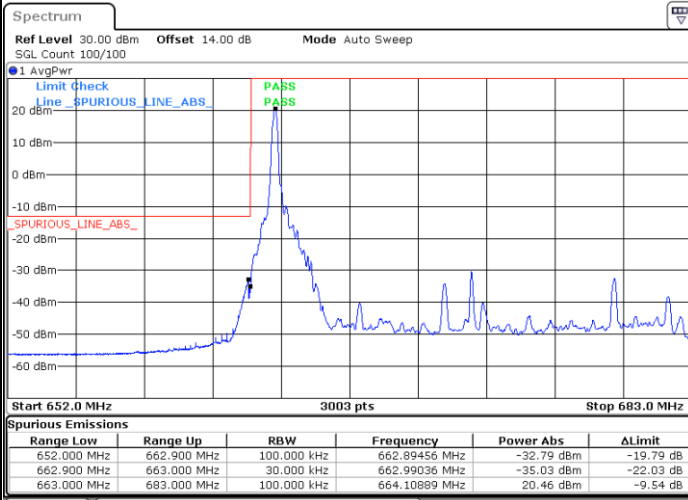


Date: 5.MAR.2025 14:47:43



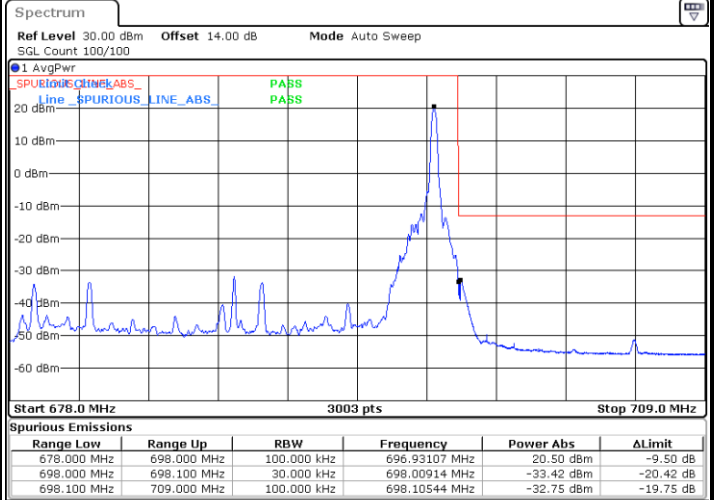
LTE Band 71 / 20MHz / QPSK

Lowest Band Edge / 1 RB



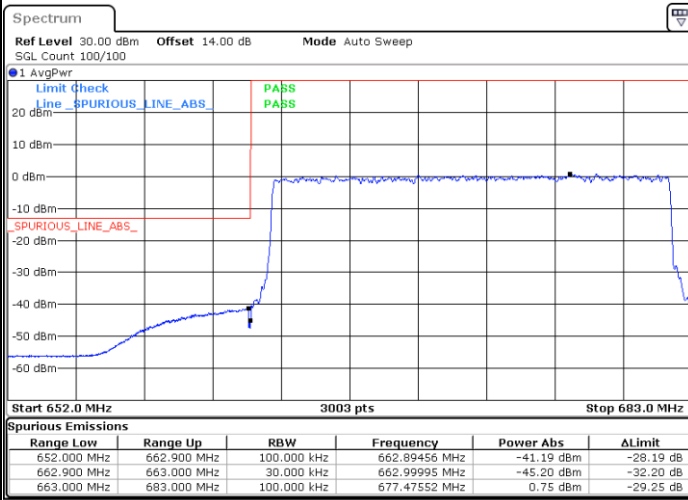
Date: 5.MAR.2025 15:09:04

Highest Band Edge / 1 RB



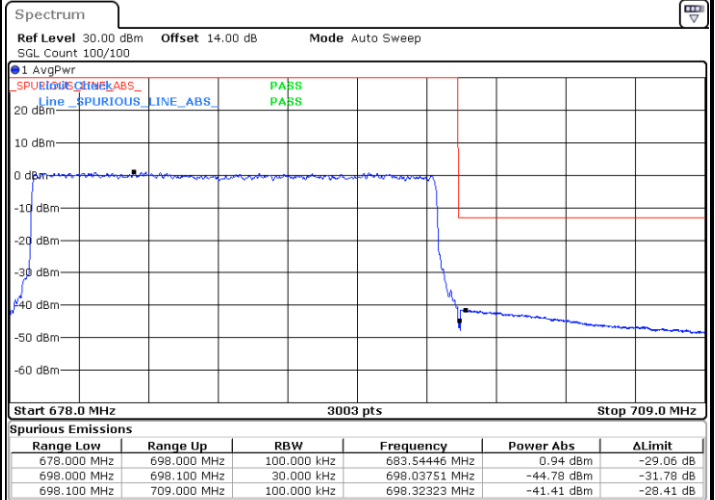
Date: 5.MAR.2025 15:01:03

Lowest Band Edge / Full RB



Date: 5.MAR.2025 14:53:14

Highest Band Edge / Full RB

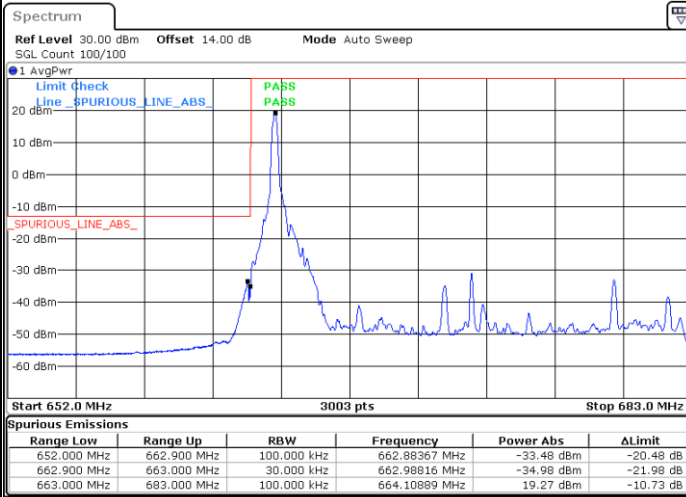


Date: 5.MAR.2025 15:03:46



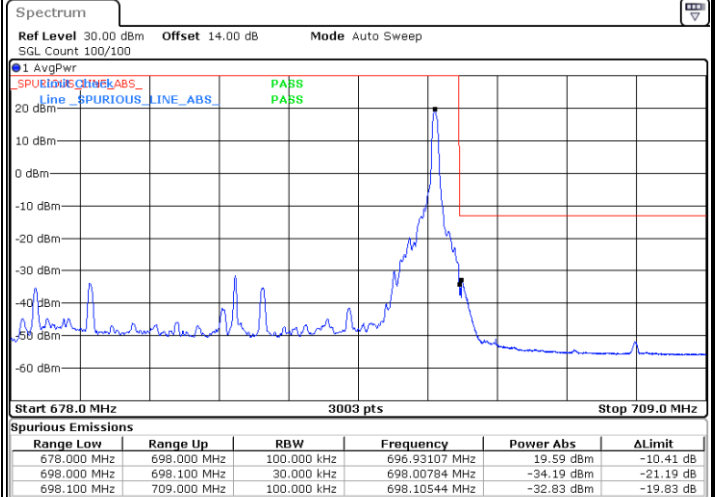
LTE Band 71 / 20MHz / 16QAM

Lowest Band Edge / 1RB



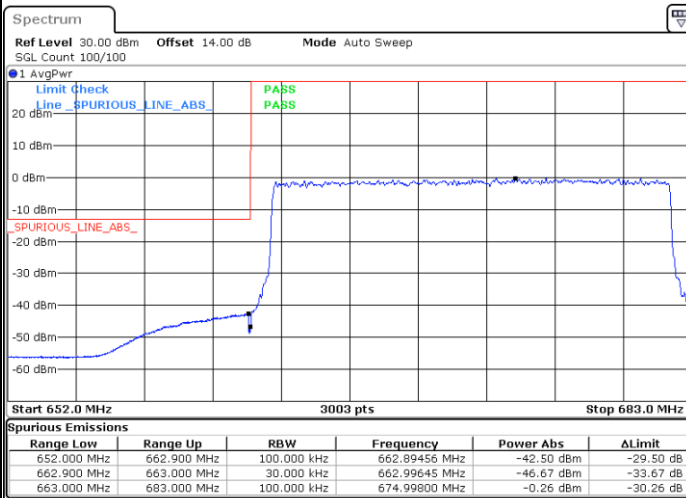
Date: 5.MAR.2025 14:51:26

Highest Band Edge / 1 RB



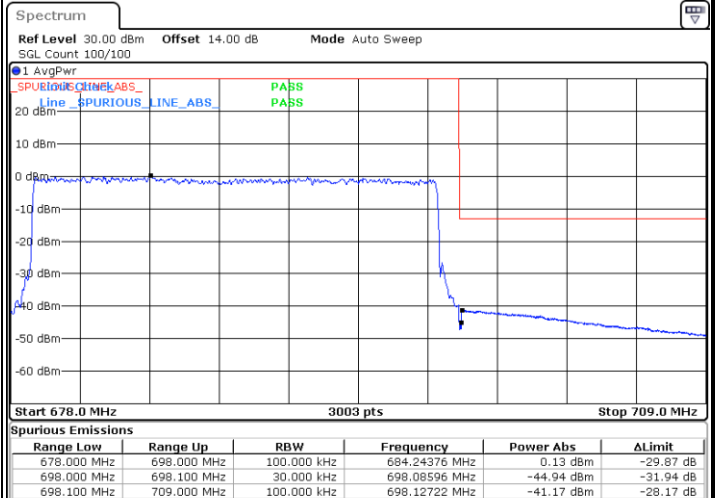
Date: 5.MAR.2025 15:01:57

Lowest Band Edge / Full RB



Date: 5.MAR.2025 14:54:08

Highest Band Edge / Full RB

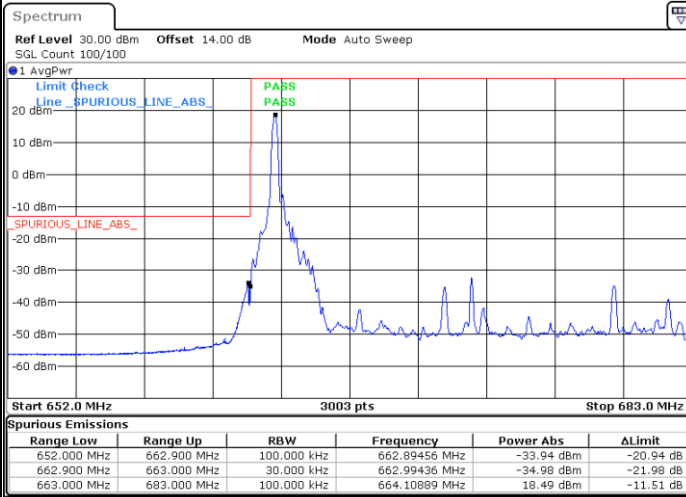


Date: 5.MAR.2025 15:04:40



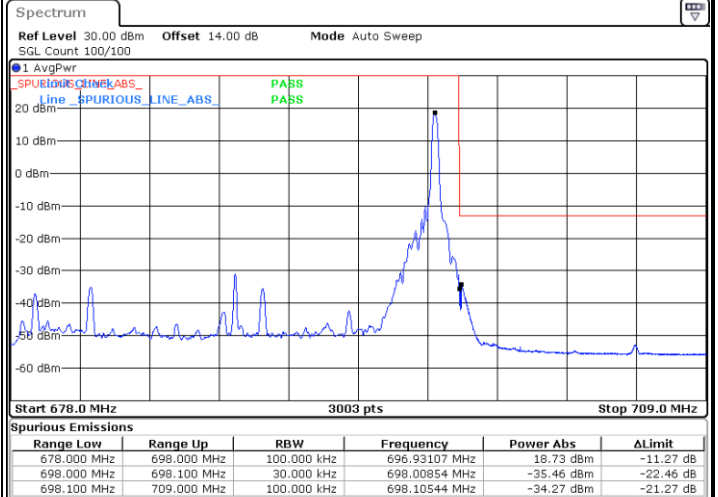
LTE Band 71 / 20MHz / 64QAM

Lowest Band Edge / 1RB



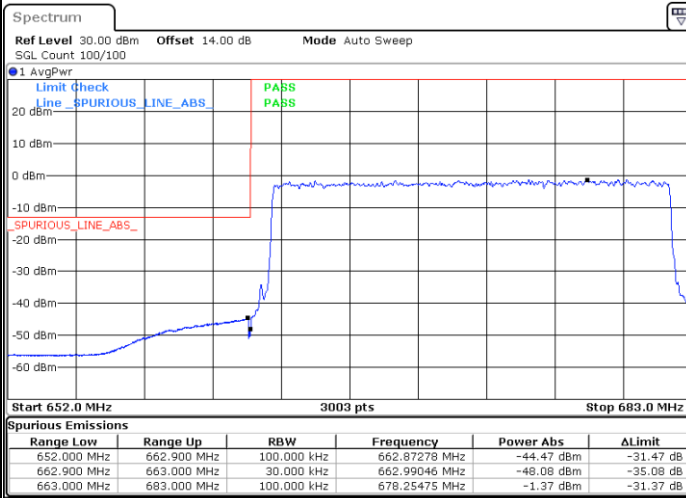
Date: 5.MAR.2025 14:52:20

Highest Band Edge / 1 RB



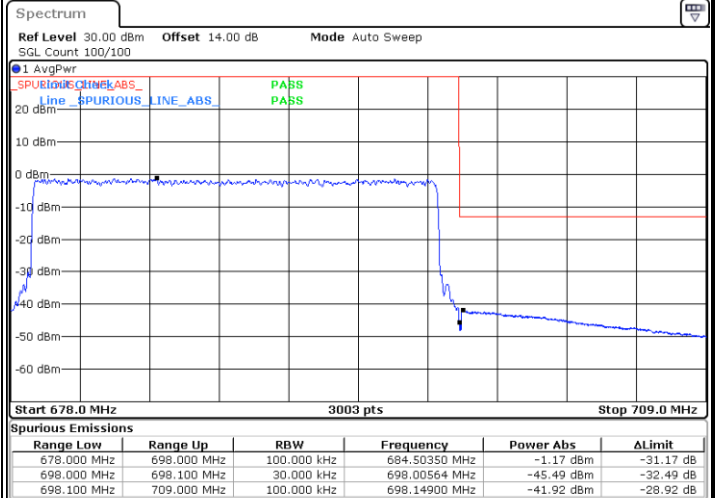
Date: 5.MAR.2025 15:02:52

Lowest Band Edge / Full RB



Date: 5.MAR.2025 14:55:01

Highest Band Edge / Full RB



Date: 5.MAR.2025 15:05:36

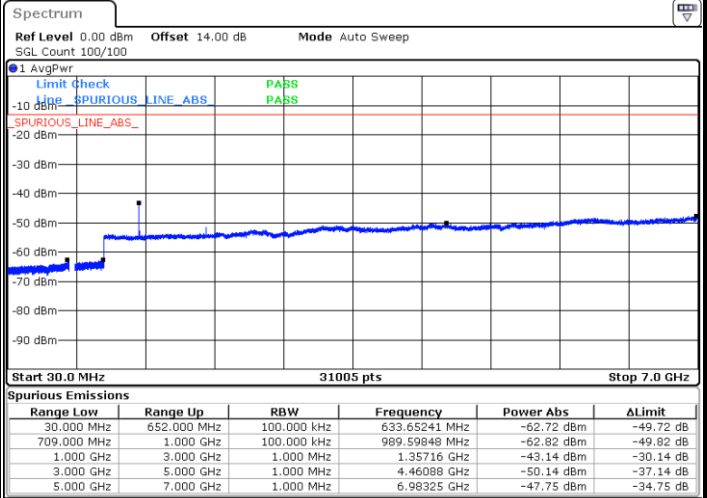
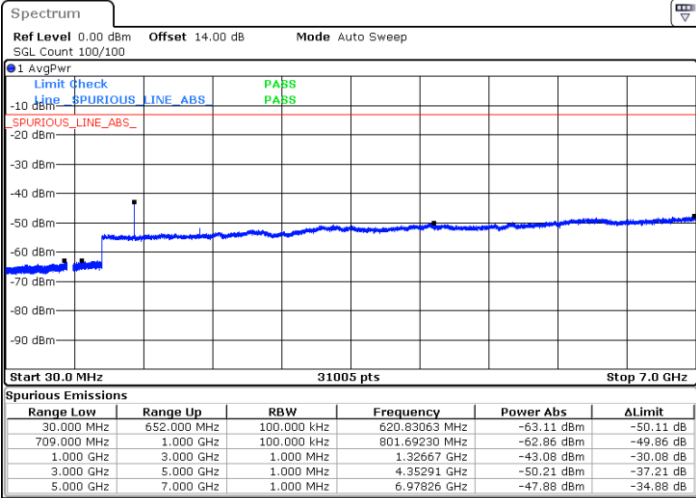


# Conducted Spurious Emission

## LTE Band 71 / 5MHz

### Lowest Channel / QPSK

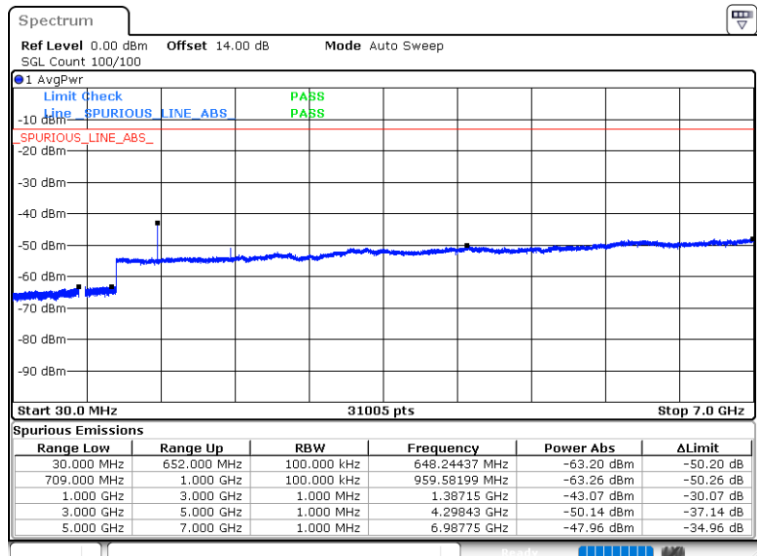
### Middle Channel / QPSK



Date: 5.MAR.2025 14:06:44

Date: 5.MAR.2025 14:07:56

### Highest Channel / QPSK



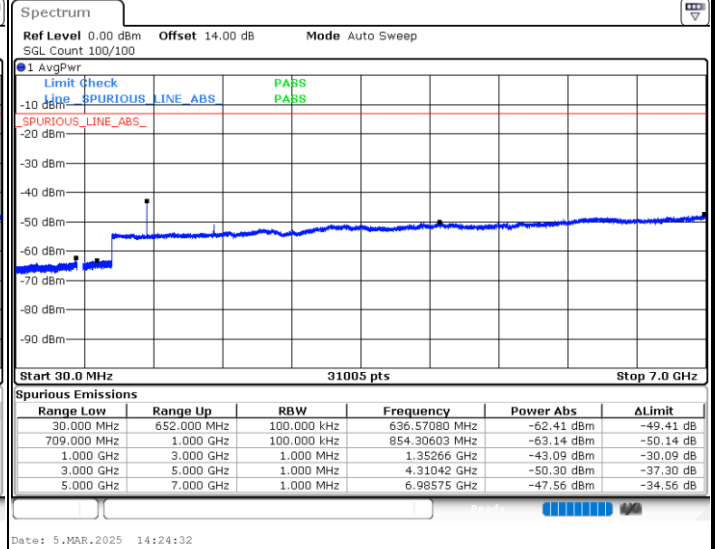
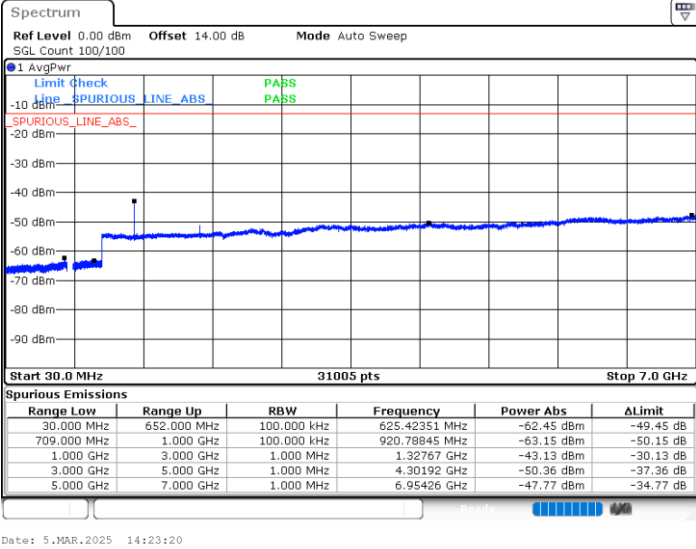
Date: 5.MAR.2025 15:43:09



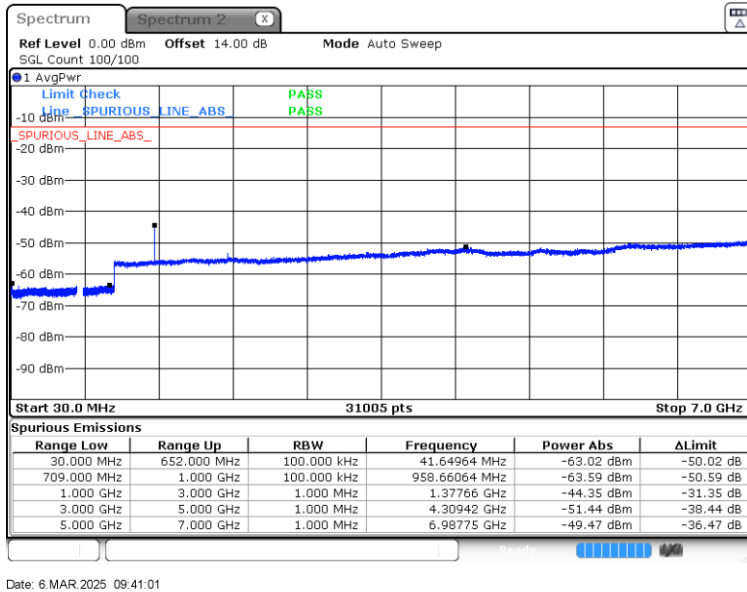
LTE Band 71 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

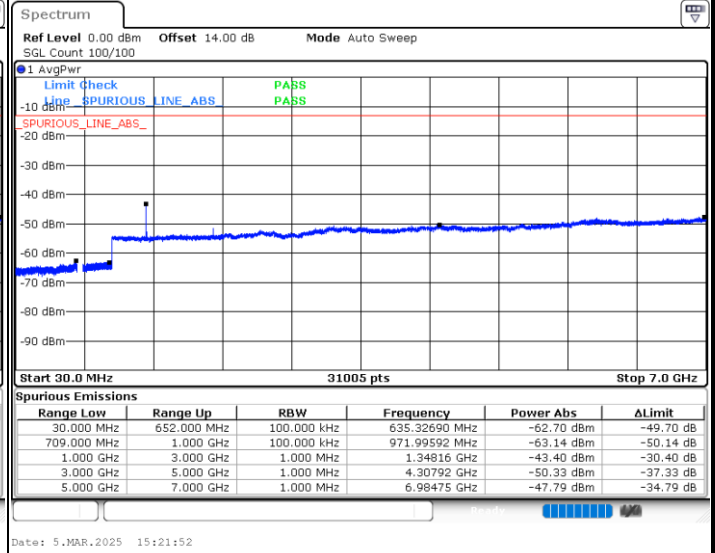
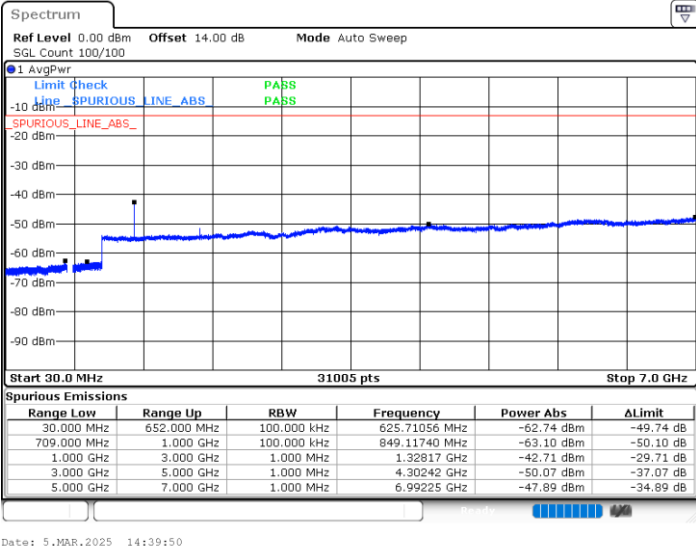




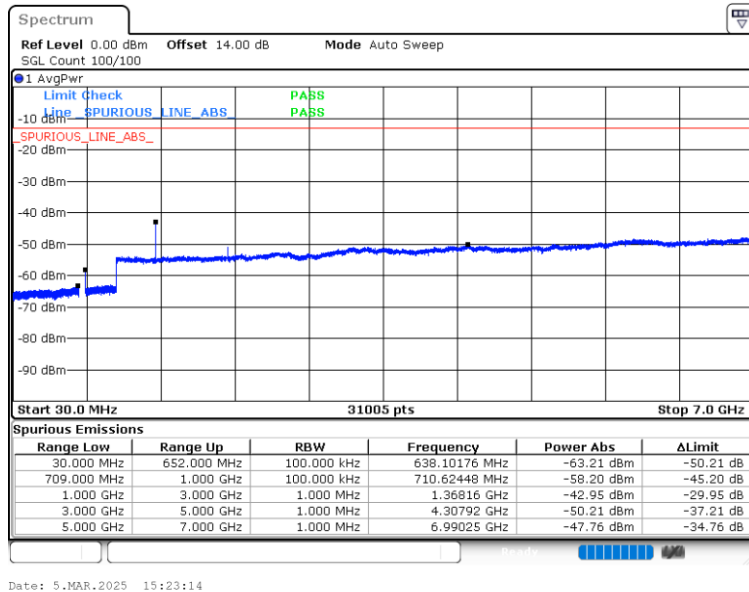
LTE Band 71 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

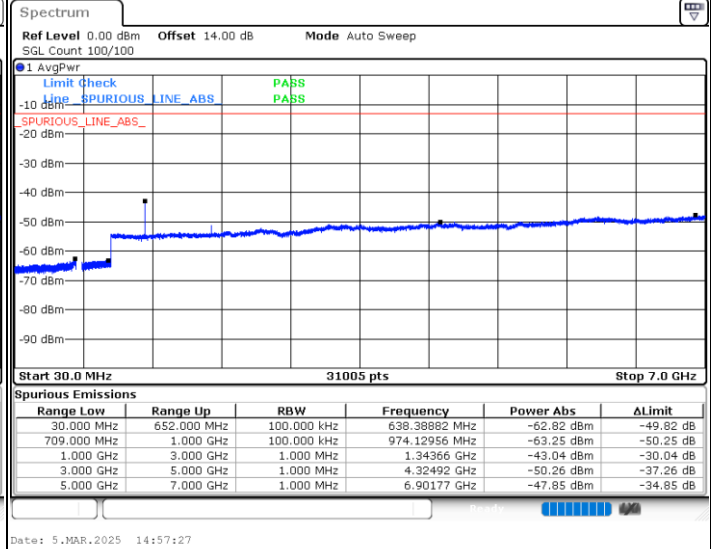
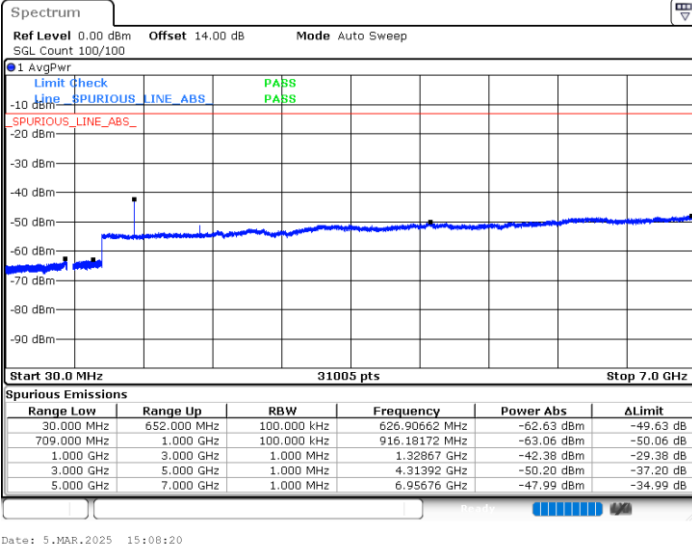




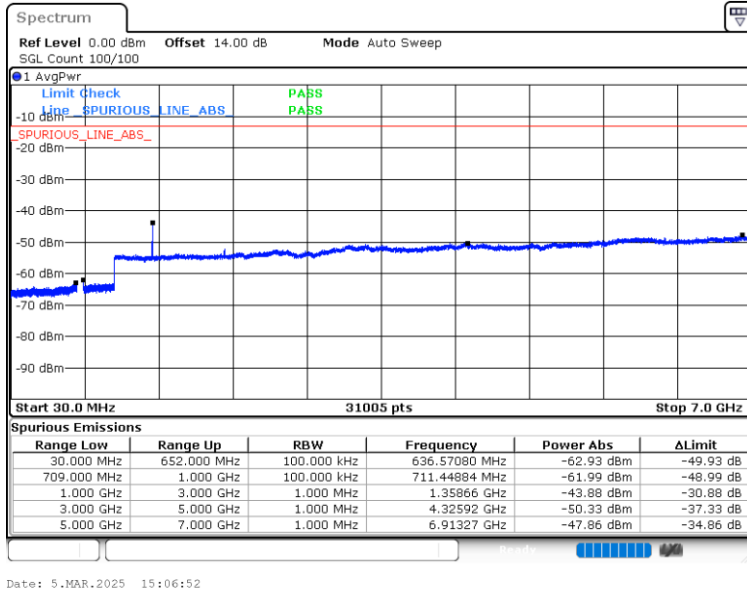
LTE Band 71 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





### Frequency Stability

Test Conditions		LTE Band 71 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0000	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

**Note:**

1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.45 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	24.73	24.98	29.73	25.18	30.51
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.83	24.83	29.91	34.90	39.64

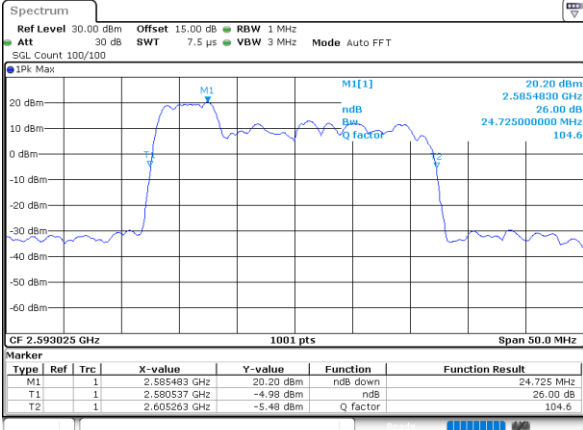
Mode	LTE Band 41C : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.63	25.03	29.79	25.18	30.51
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.69	24.88	29.97	34.83	39.72



LTE Band 41C

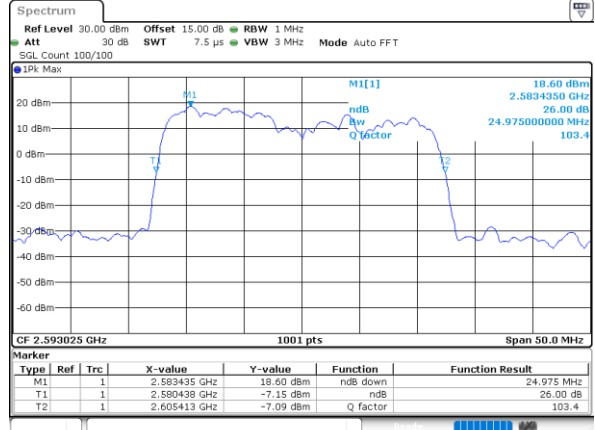
QPSK

Middle Channel / 5MHz+20MHz



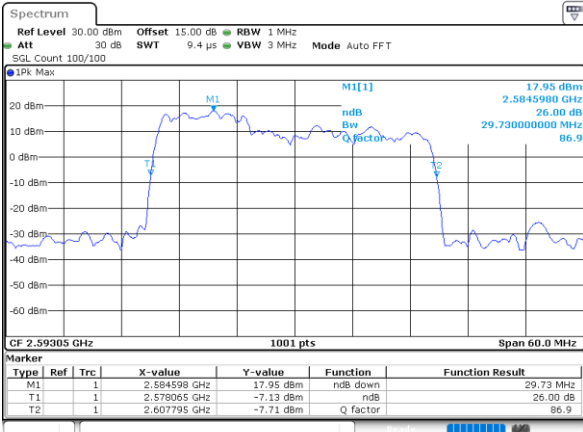
Date: 5.MAR.2025 08:05:17

Middle Channel / 10MHz+15MHz



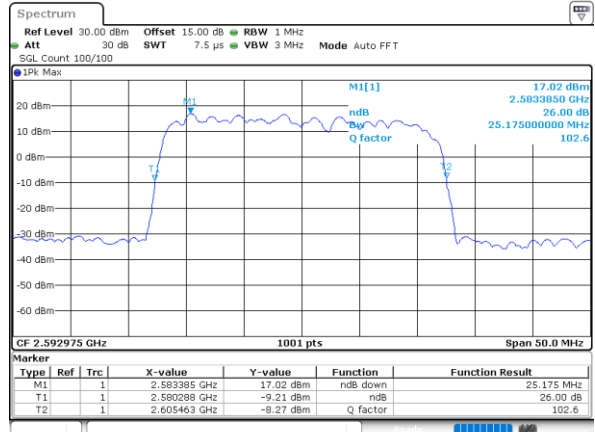
Date: 5.MAR.2025 08:10:04

Middle Channel / 10MHz+20MHz



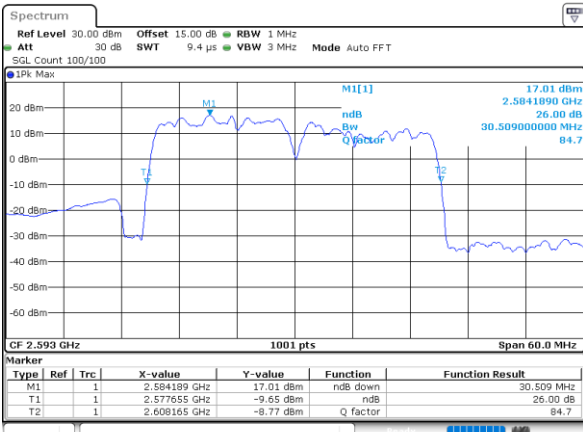
Date: 5.MAR.2025 08:11:32

Middle Channel / 15MHz+10MHz



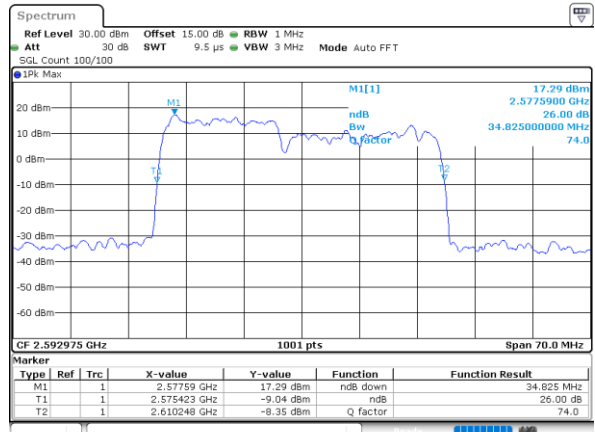
Date: 5.MAR.2025 08:12:22

Middle Channel / 15MHz+15MHz



Date: 5.MAR.2025 08:21:24

Middle Channel / 15MHz+20MHz



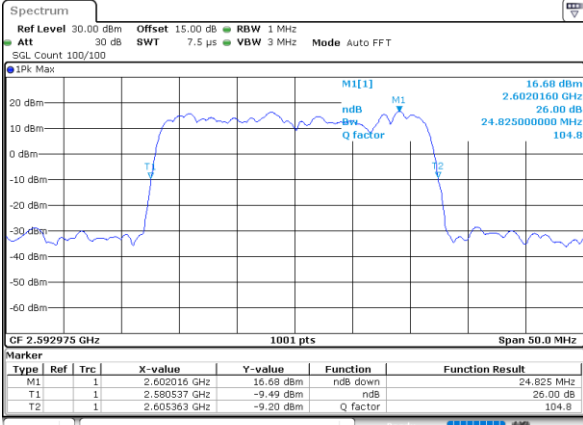
Date: 5.MAR.2025 08:24:46



LTE Band 41C

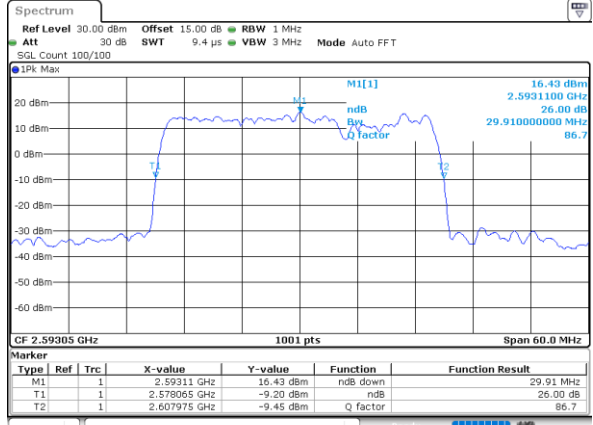
QPSK

Middle Channel / 20MHz+5MHz



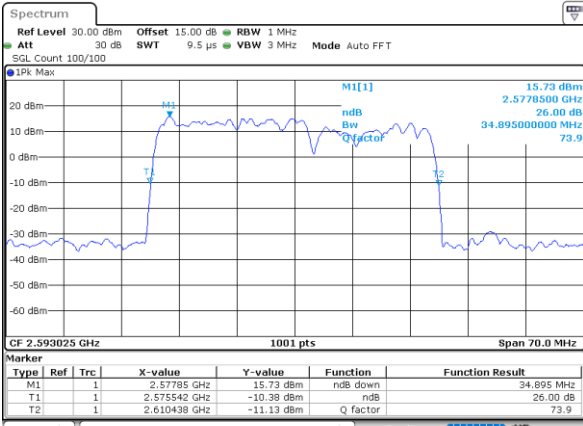
Date: 5.MAR.2025 08:07:58

Middle Channel / 20MHz+10MHz



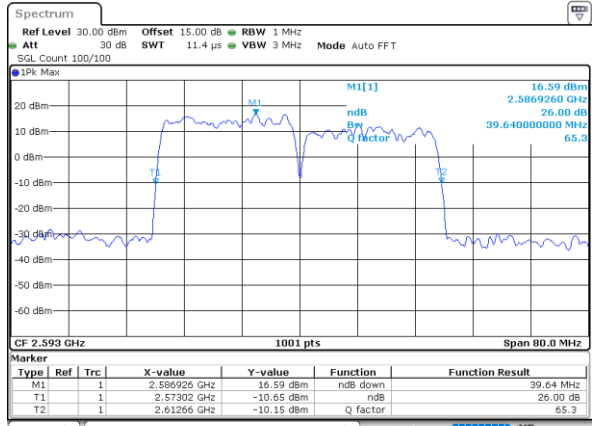
Date: 5.MAR.2025 08:18:00

Middle Channel / 20MHz+15MHz



Date: 5.MAR.2025 08:27:01

Middle Channel / 20MHz+20MHz



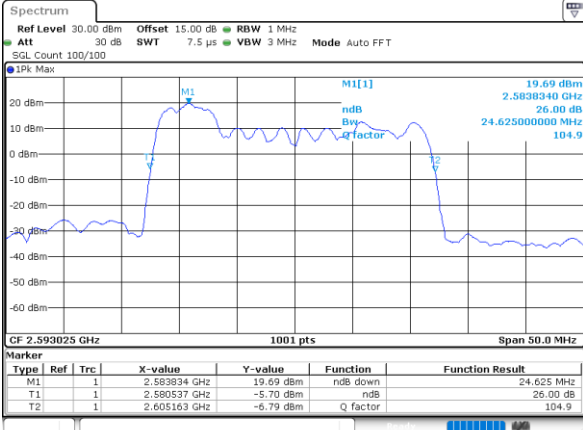
Date: 5.MAR.2025 08:29:04



LTE Band 41C

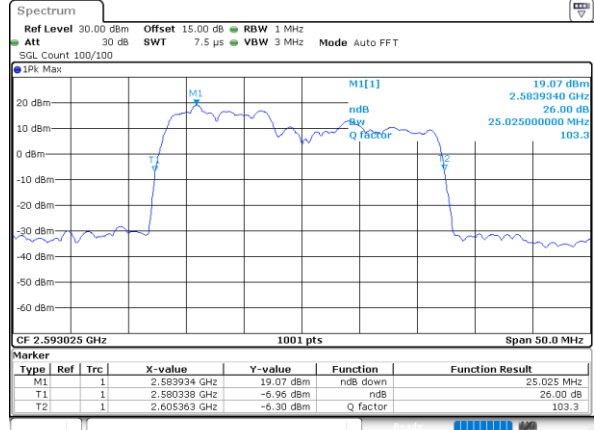
16QAM

Middle Channel / 5MHz+20MHz



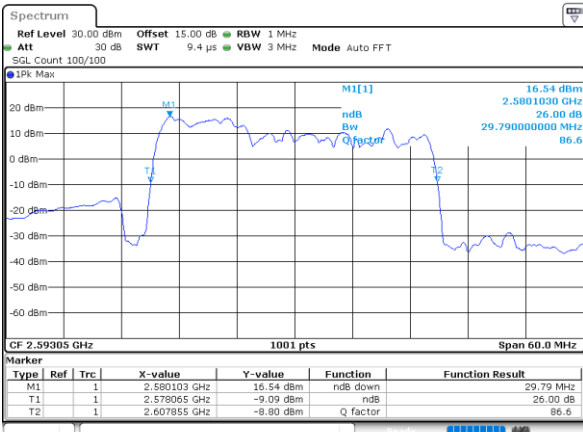
Date: 5.MAR.2025 08:10:19

Middle Channel / 10MHz+15MHz



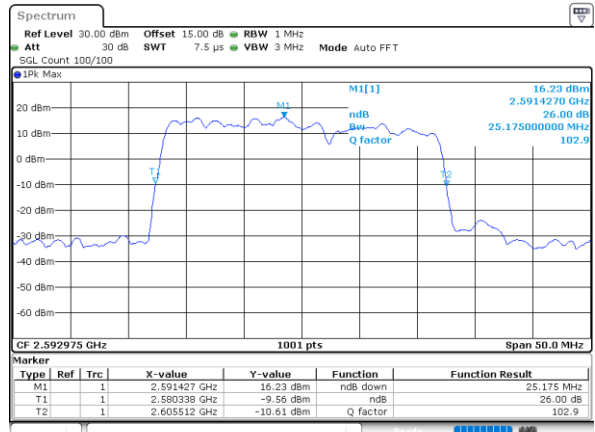
Date: 5.MAR.2025 08:10:34

Middle Channel / 10MHz+20MHz



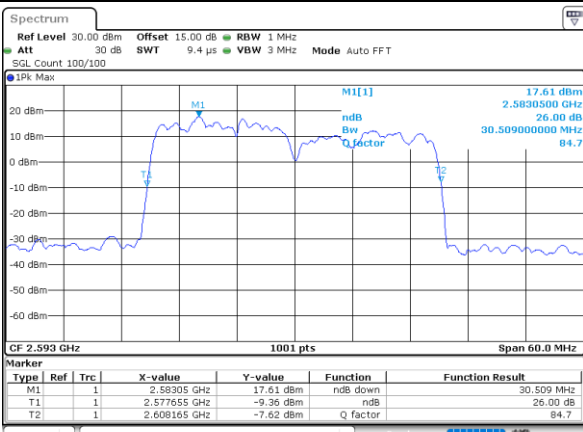
Date: 5.MAR.2025 08:15:01

Middle Channel / 15MHz+10MHz



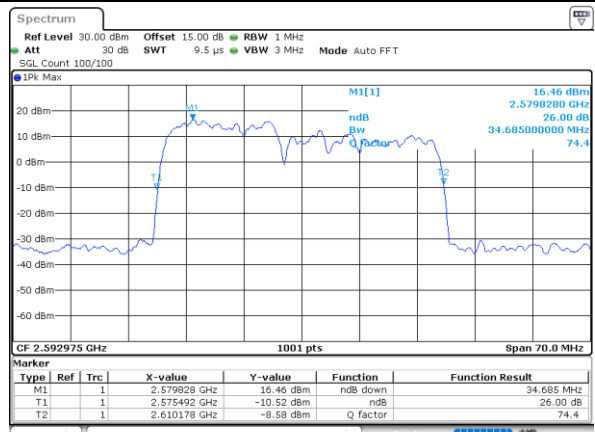
Date: 5.MAR.2025 08:12:53

Middle Channel / 15MHz+15MHz



Date: 5.MAR.2025 08:21:52

Middle Channel / 15MHz+20MHz



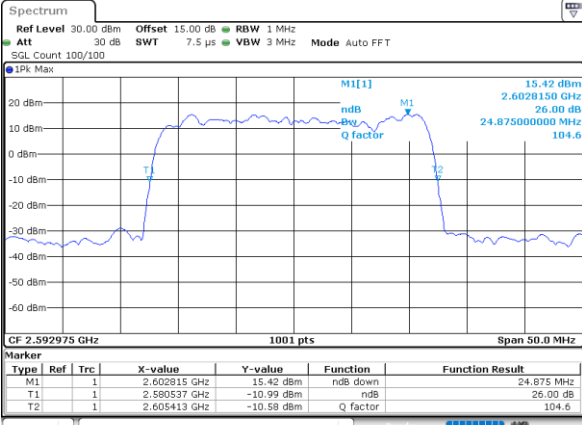
Date: 5.MAR.2025 08:25:16



LTE Band 41C

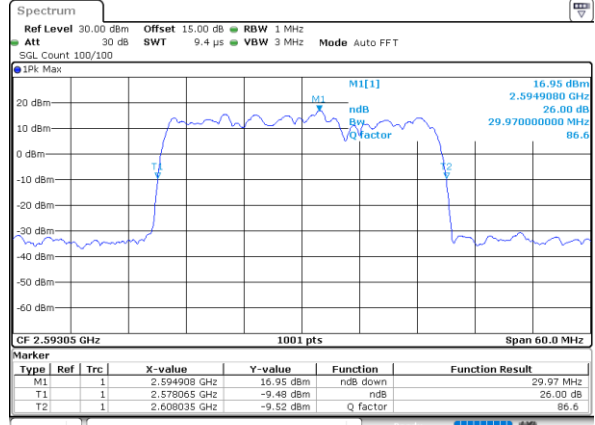
16QAM

Middle Channel / 20MHz+5MHz



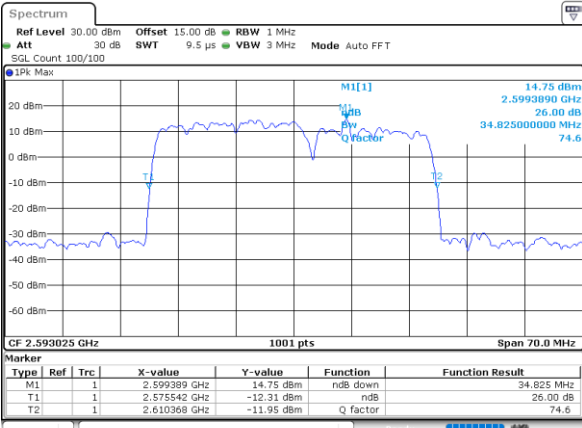
Date: 5.MAR.2025 08:08:28

Middle Channel / 20MHz+10MHz



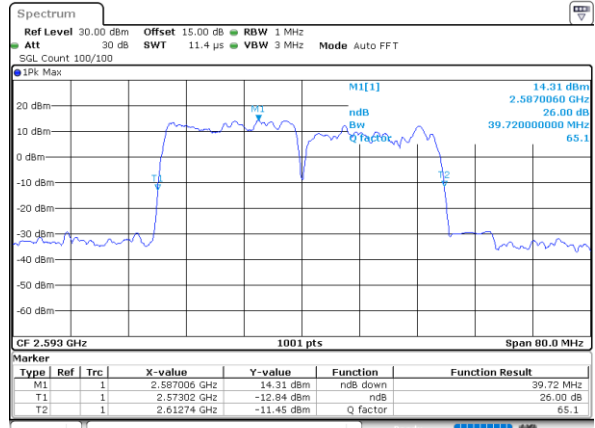
Date: 5.MAR.2025 08:18:30

Middle Channel / 20MHz+15MHz



Date: 5.MAR.2025 08:27:31

Middle Channel / 20MHz+20MHz



Date: 5.MAR.2025 08:29:32



### Occupied Bandwidth

Mode	LTE Band 41C : 99%OBW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	23.08	23.33	27.63	23.53	28.47
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	32.66	23.13	27.69	32.73	37.56

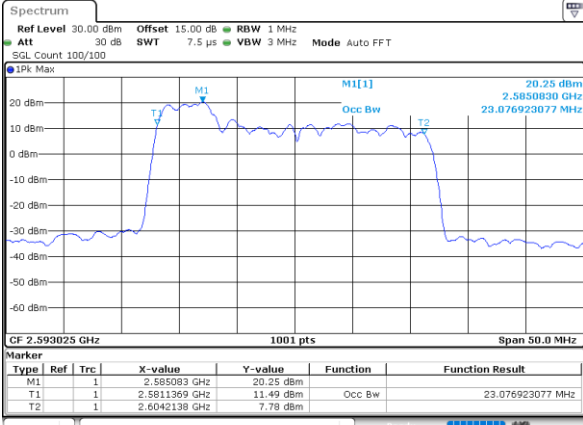
Mode	LTE Band 41C : 99%OBW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	22.93	23.13	27.69	23.08	28.59
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	32.80	23.28	27.87	32.87	37.56



LTE Band 41C

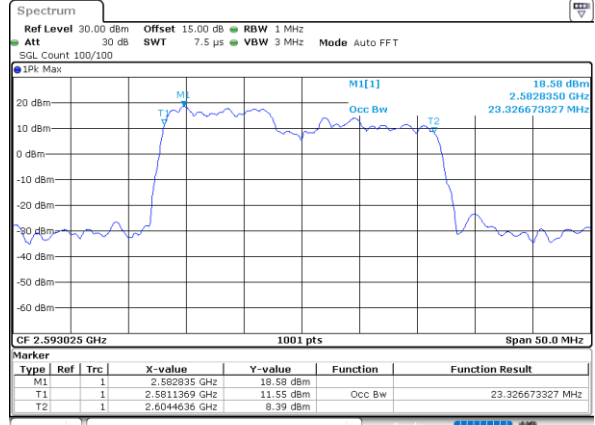
QPSK

Middle Channel / 5MHz+20MHz



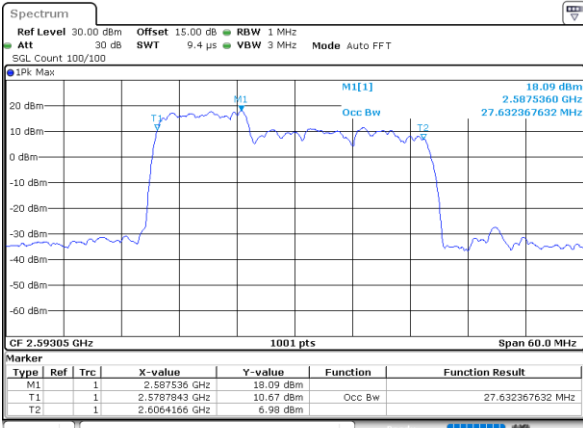
Date: 5.MAR.2025 08:04:48

Middle Channel / 10MHz+15MHz



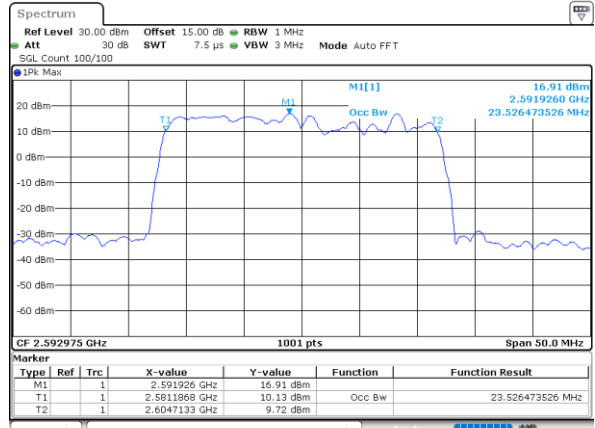
Date: 5.MAR.2025 08:09:34

Middle Channel / 10MHz+20MHz



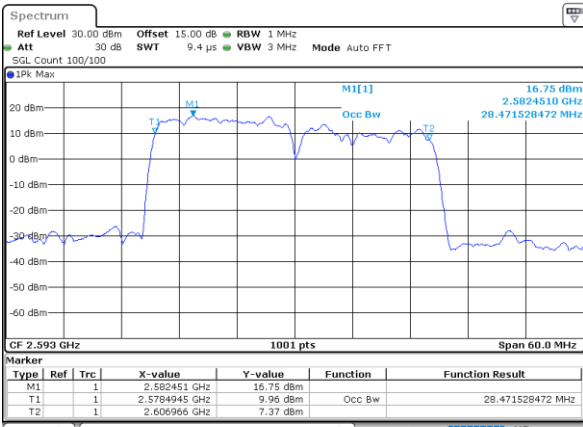
Date: 5.MAR.2025 08:14:02

Middle Channel / 15MHz+10MHz



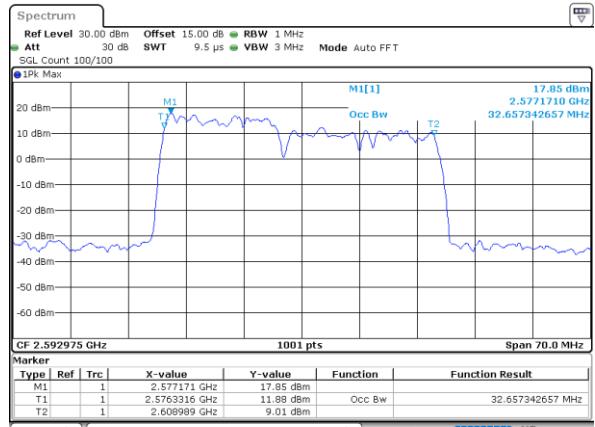
Date: 5.MAR.2025 08:11:53

Middle Channel / 15MHz+15MHz



Date: 5.MAR.2025 08:20:56

Middle Channel / 15MHz+20MHz



Date: 5.MAR.2025 08:24:16