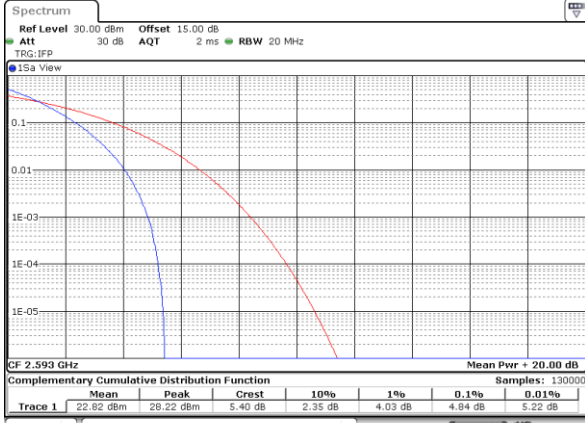




LTE Band 41 / 20MHz / QPSK

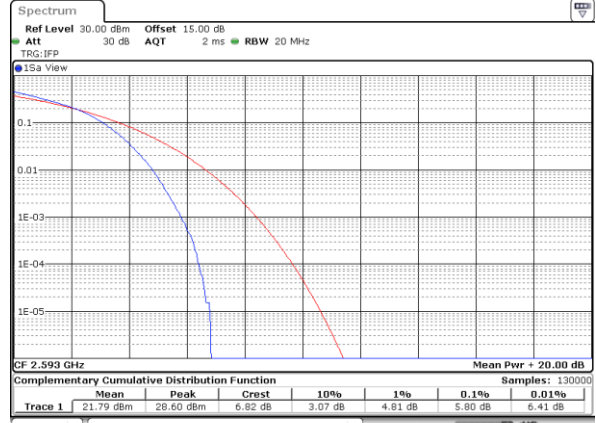
Middle Channel / Full RB



Date: 20\_MAR\_2024 02:139:17

LTE Band 41 / 20MHz / 16QAM

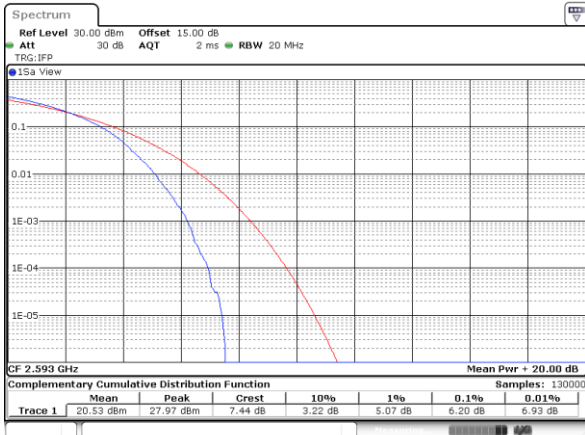
Middle Channel / Full RB



Date: 20\_MAR\_2024 02:139:44

LTE Band 41 / 20MHz / 64QAM

Middle Channel / Full RB



Date: 20\_MAR\_2024 02:140:12



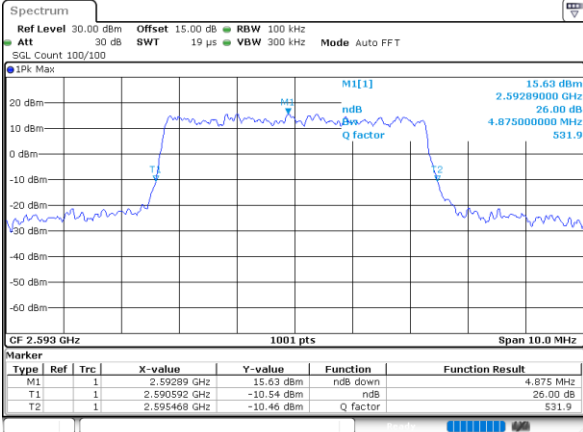
**26dB Bandwidth**

Mode	LTE Band 41 : 26dB BW(MHz)							
	5MHz		10MHz		15MHz		20MHz	
BW								
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.88	4.72	9.83	9.59	14.18	14.48	18.86	18.74



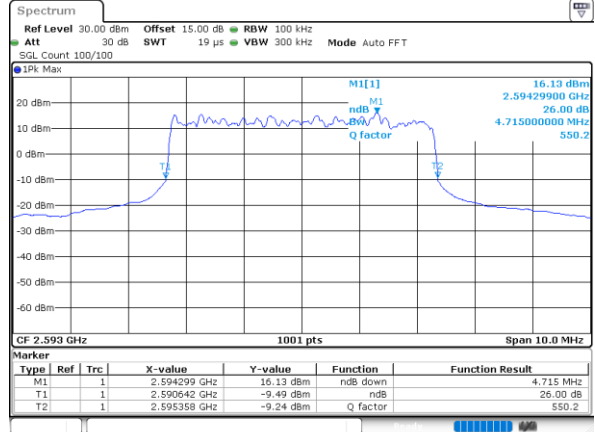
LTE Band 41

Middle Channel / 5MHz / QPSK



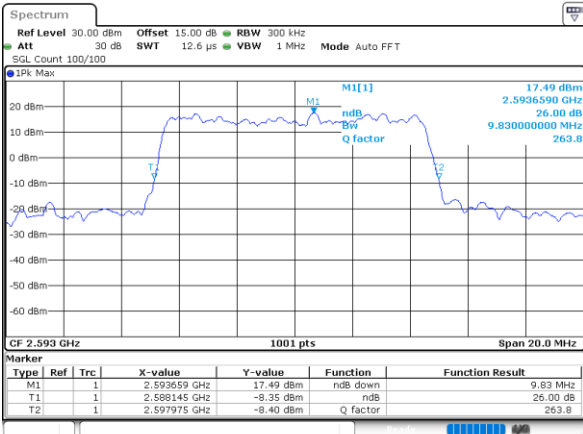
Date: 20\_MAR\_2024 01:48:38

Middle Channel / 5MHz / 16QAM



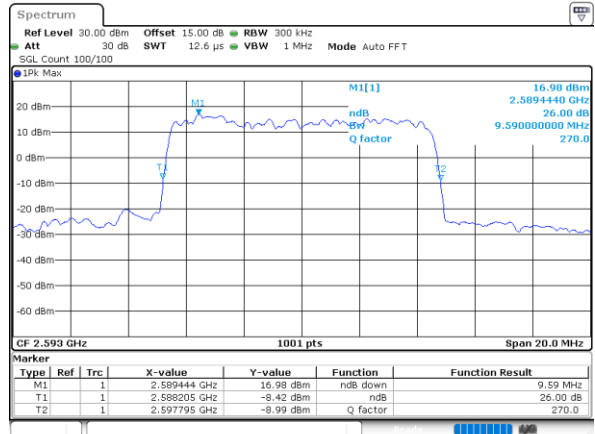
Date: 20\_MAR\_2024 01:49:18

Middle Channel / 10MHz / QPSK



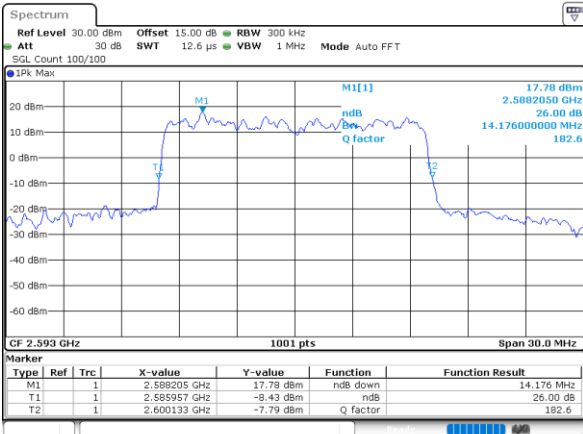
Date: 20\_MAR\_2024 02:05:51

Middle Channel / 10MHz / 16QAM



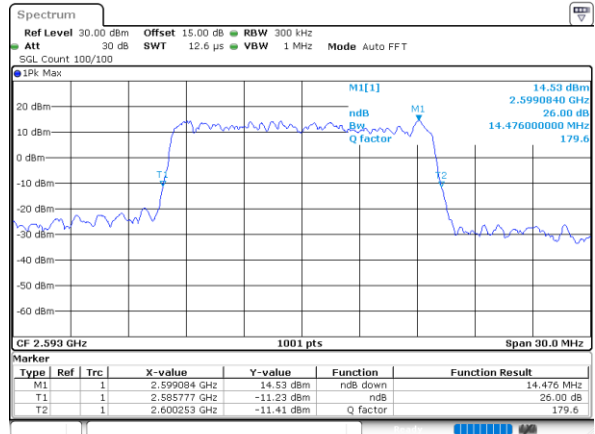
Date: 20\_MAR\_2024 02:06:31

Middle Channel / 15MHz / QPSK



Date: 20\_MAR\_2024 02:21:52

Middle Channel / 15MHz / 16QAM

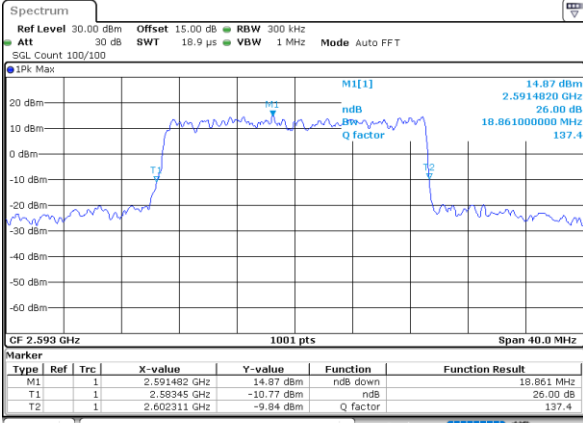


Date: 20\_MAR\_2024 02:22:32



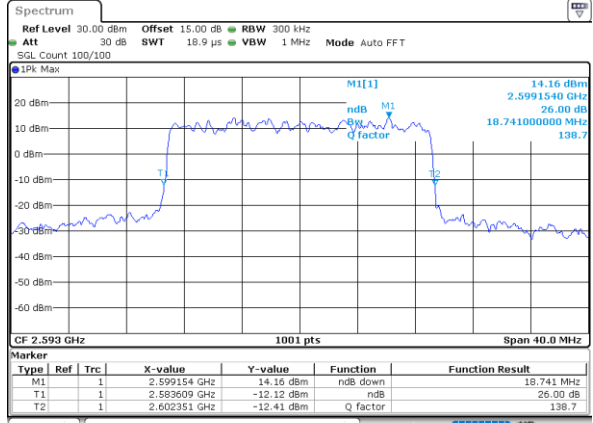
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 20.MAR.2024 02:138:09

Middle Channel / 20MHz / 16QAM



Date: 20.MAR.2024 02:138:49



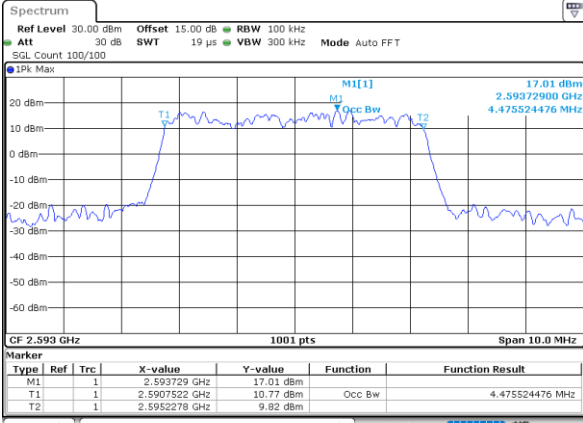
### Occupied Bandwidth

Mode	LTE Band 41 : 99%OBW(MHz)							
	5MHz		10MHz		15MHz		20MHz	
BW								
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.48	4.44	9.01	9.13	13.49	13.43	17.82	17.86



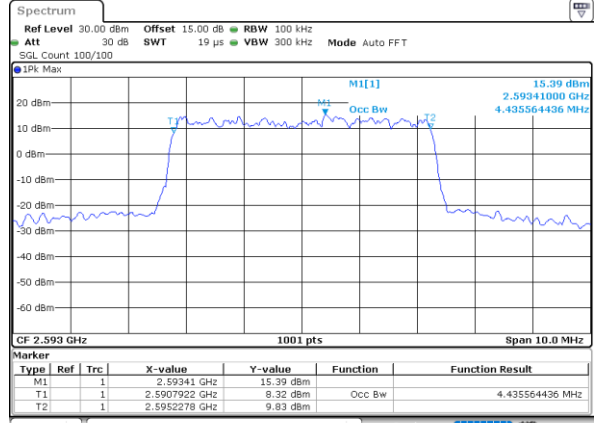
LTE Band 41

Middle Channel / 5MHz / QPSK



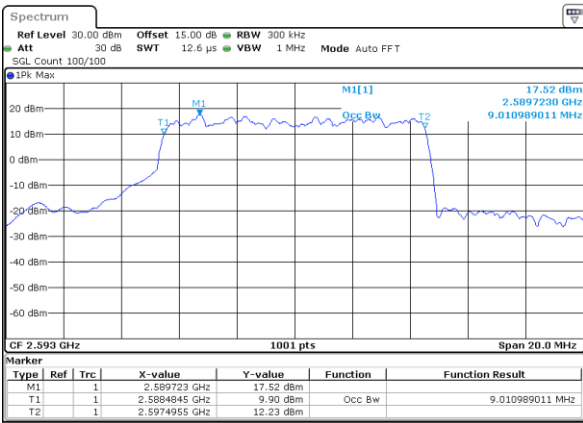
Date: 20\_MAR\_2024 01:48:24

Middle Channel / 5MHz / 16QAM



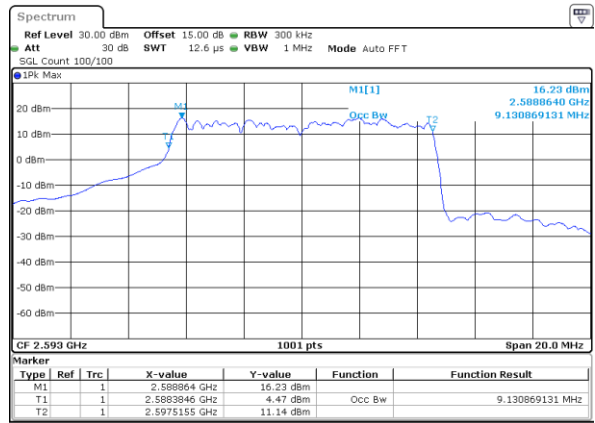
Date: 20\_MAR\_2024 01:49:04

Middle Channel / 10MHz / QPSK



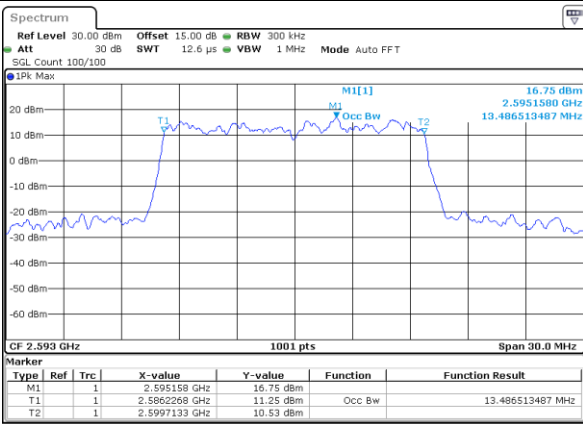
Date: 20\_MAR\_2024 02:05:37

Middle Channel / 10MHz / 16QAM



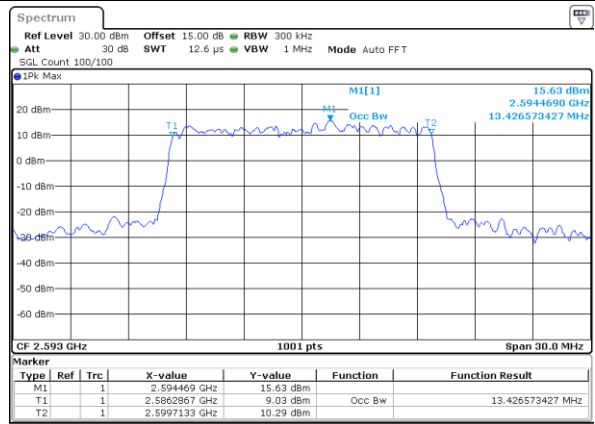
Date: 20\_MAR\_2024 02:06:17

Middle Channel / 15MHz / QPSK



Date: 20\_MAR\_2024 02:21:38

Middle Channel / 15MHz / 16QAM

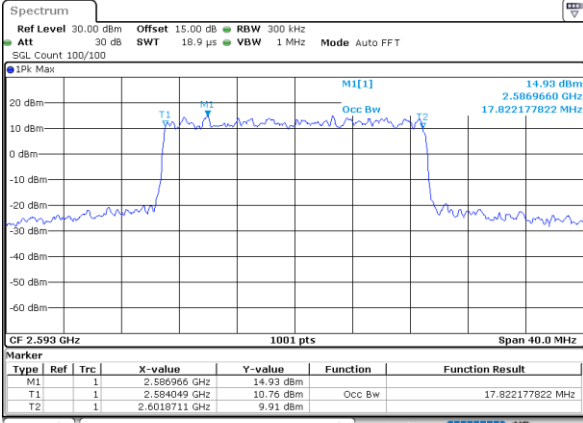


Date: 20\_MAR\_2024 02:22:18



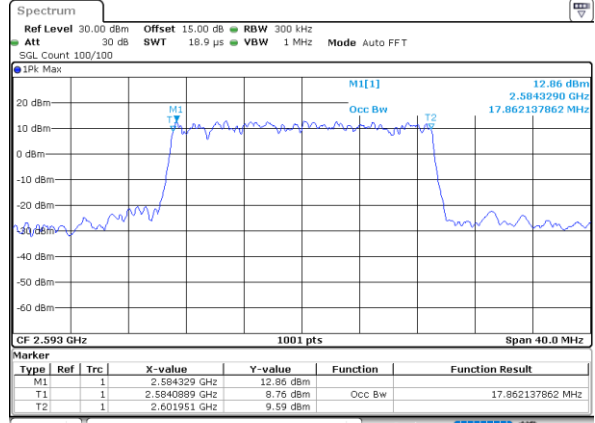
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 20\_MAR\_2024 02:37:55

Middle Channel / 20MHz / 16QAM



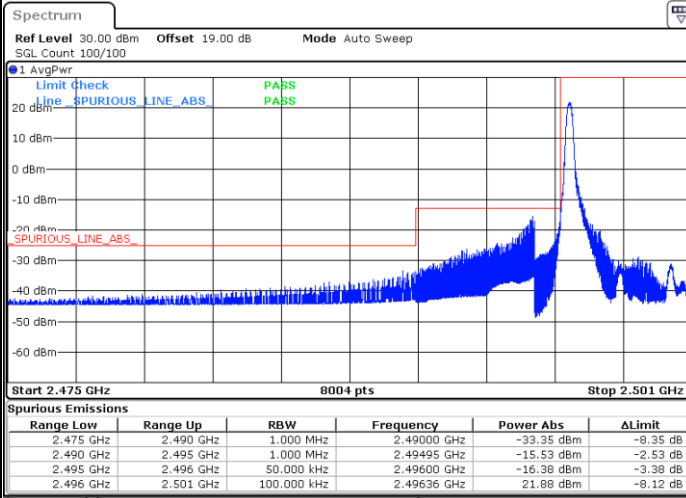
Date: 20\_MAR\_2024 02:38:35



# Conducted Band Edge

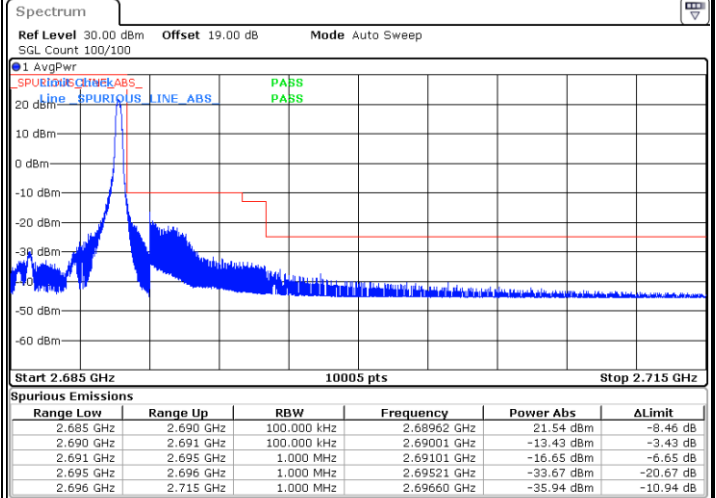
## LTE Band 41 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



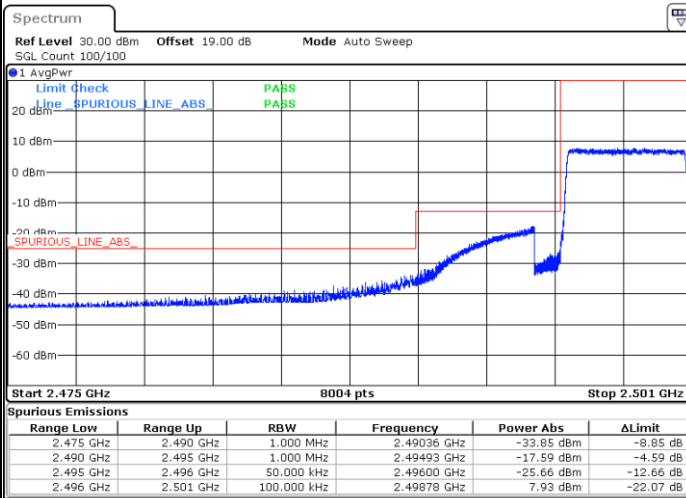
Date: 20.MAR.2024 01:41:14

### Highest Band Edge / 1 RB



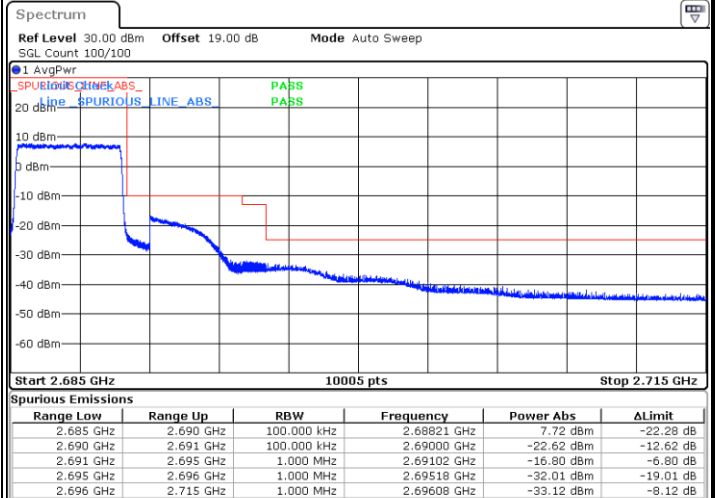
Date: 20.MAR.2024 22:00:10

### Lowest Band Edge / Full RB



Date: 20.MAR.2024 01:45:35

### Highest Band Edge / Full RB



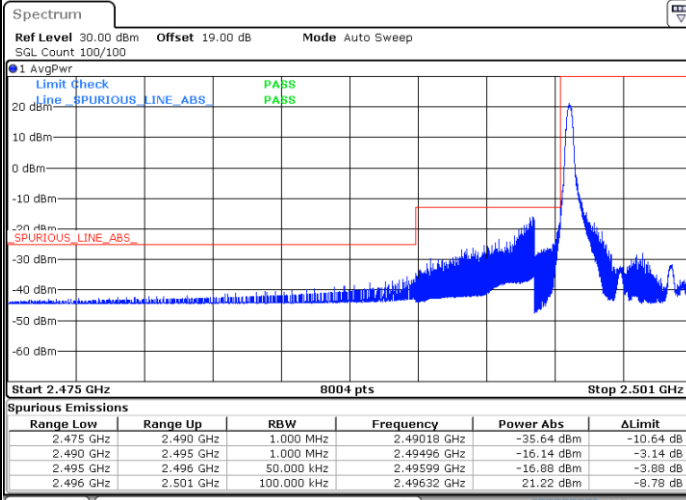
Date: 20.MAR.2024 22:07:47





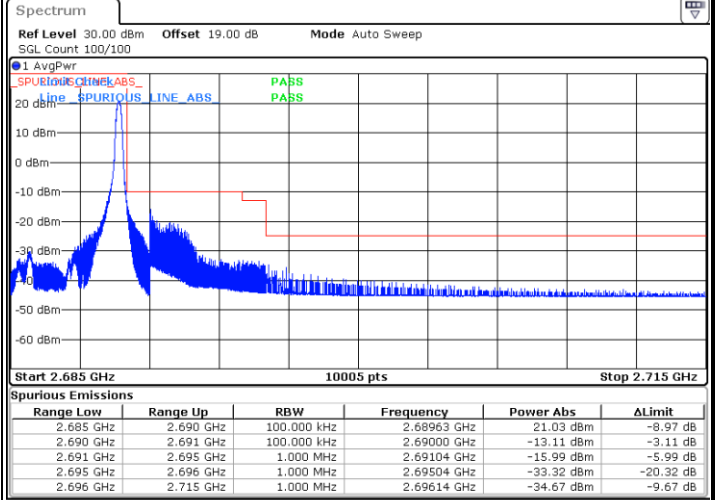
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



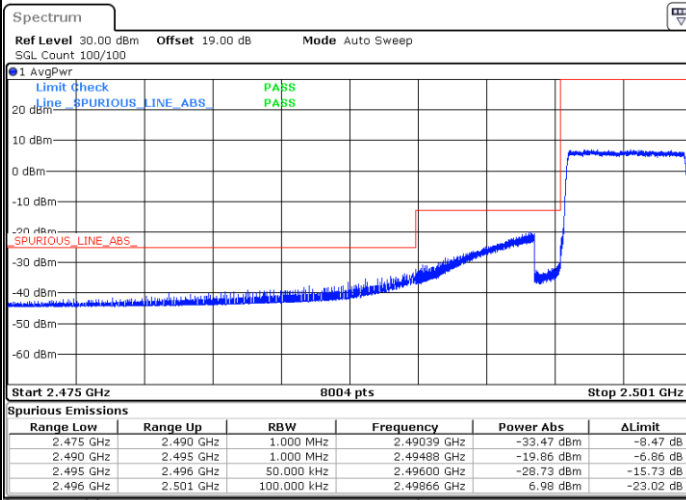
Date: 20.MAR.2024 01:42:06

Highest Band Edge / 1 RB



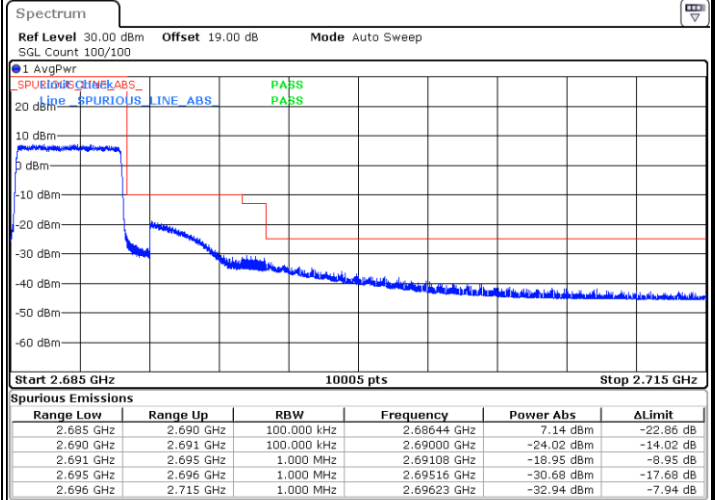
Date: 20.MAR.2024 22:01:41

Lowest Band Edge / Full RB



Date: 20.MAR.2024 01:44:43

Highest Band Edge / Full RB

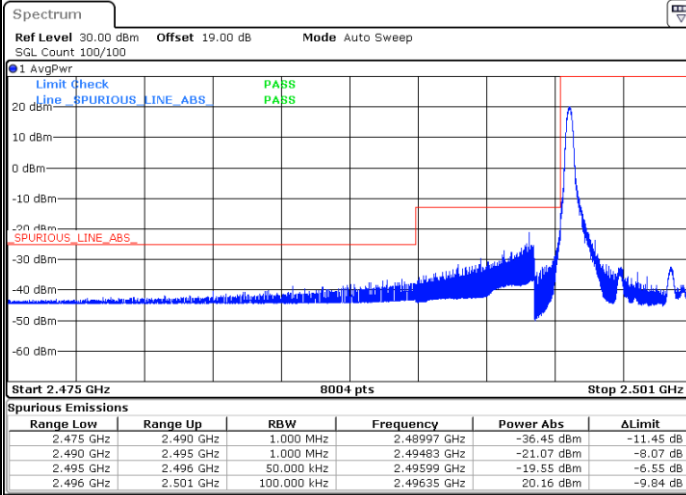


Date: 20.MAR.2024 22:06:16



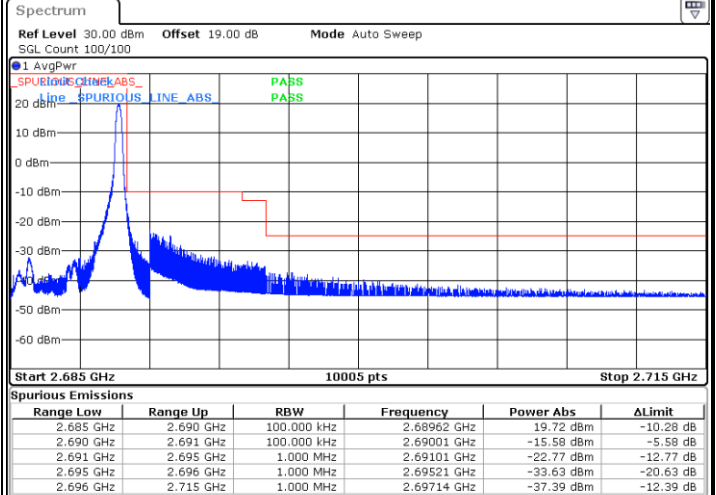
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



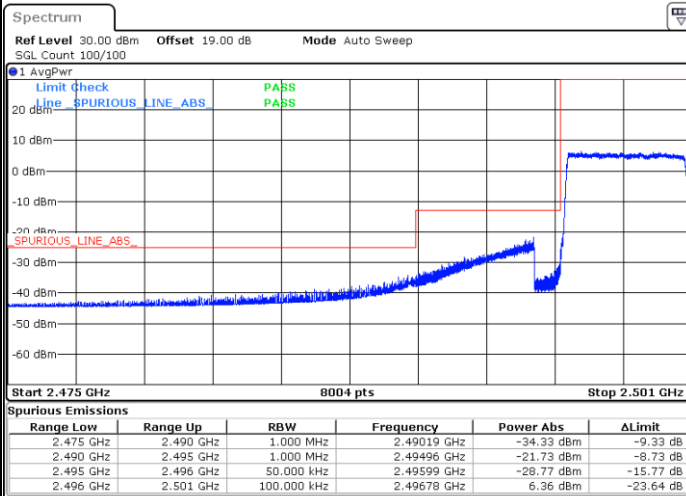
Date: 20.MAR.2024 01:42:58

Highest Band Edge / 1 RB



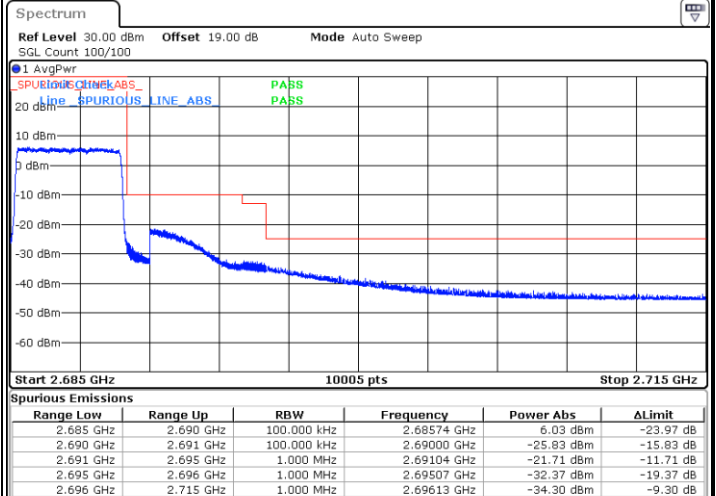
Date: 20.MAR.2024 22:03:13

Lowest Band Edge / Full RB



Date: 20.MAR.2024 01:43:50

Highest Band Edge / Full RB

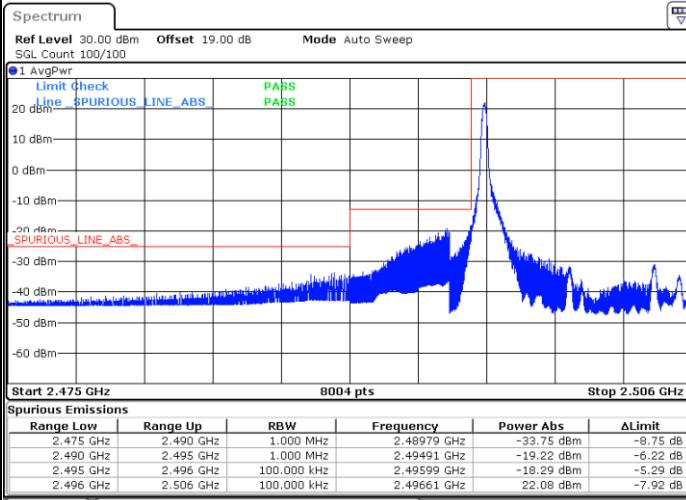


Date: 20.MAR.2024 22:04:45



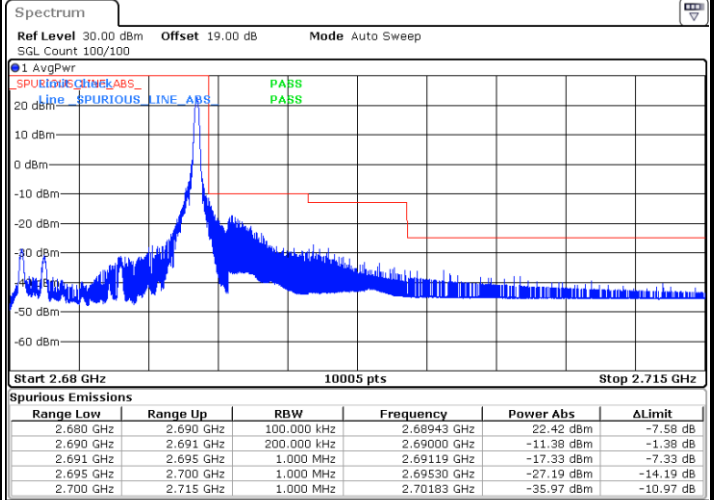
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



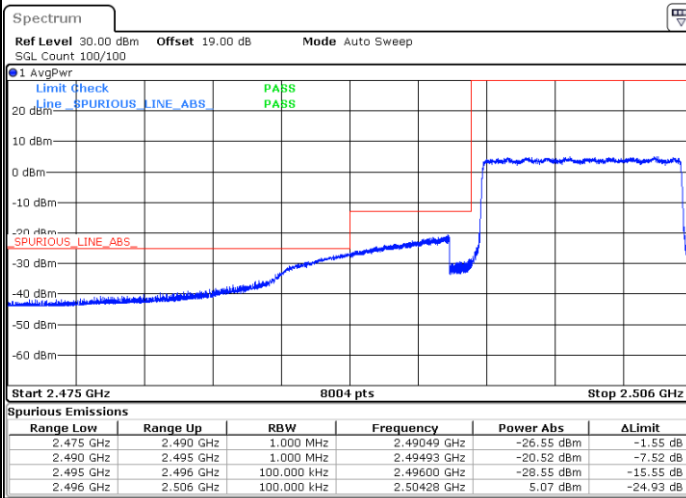
Date: 20.MAR.2024 01:58:29

Highest Band Edge / 1 RB



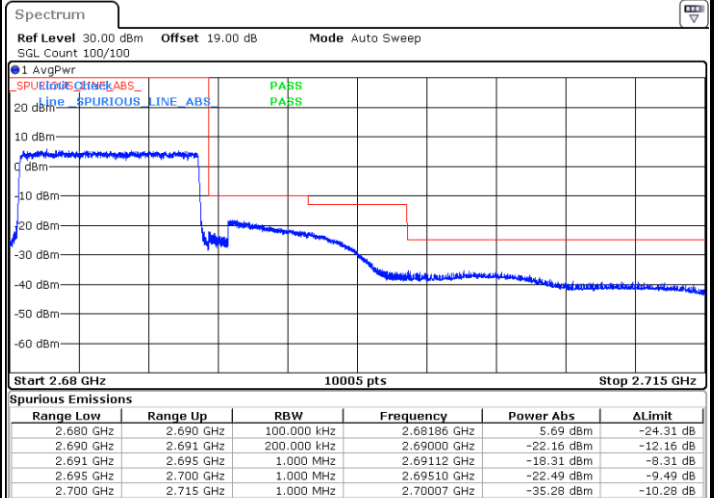
Date: 20.MAR.2024 02:07:22

Lowest Band Edge / Full RB



Date: 20.MAR.2024 02:02:48

Highest Band Edge / Full RB

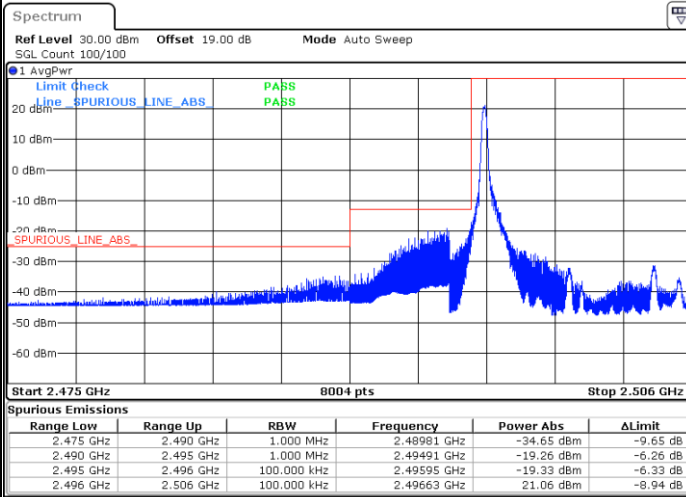


Date: 20.MAR.2024 02:11:39



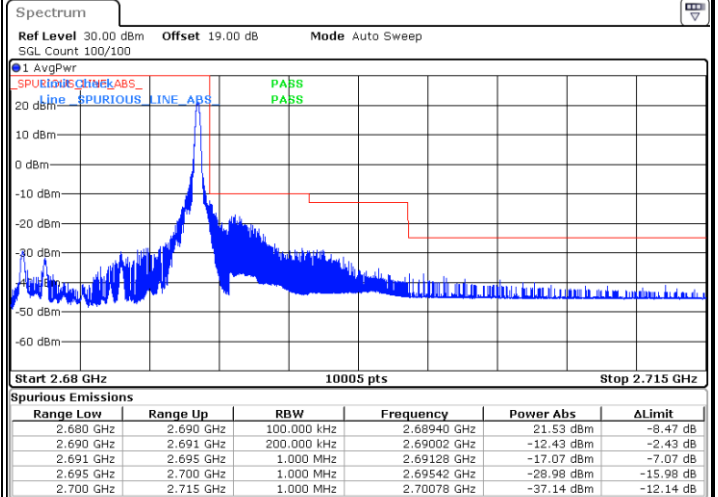
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1RB



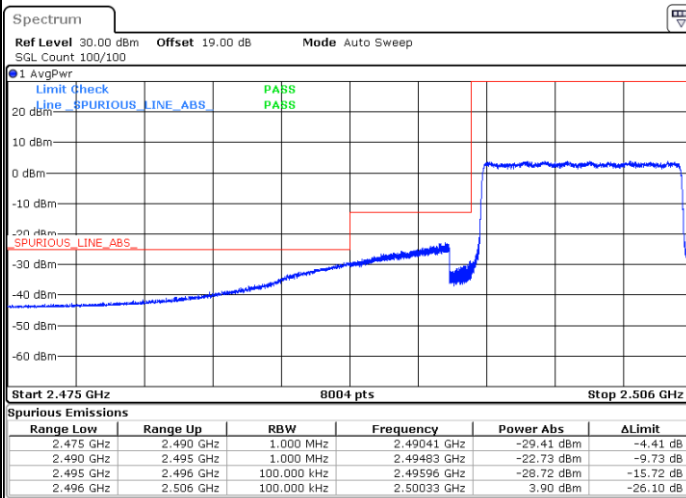
Date: 20.MAR.2024 01:59:21

Highest Band Edge / 1 RB



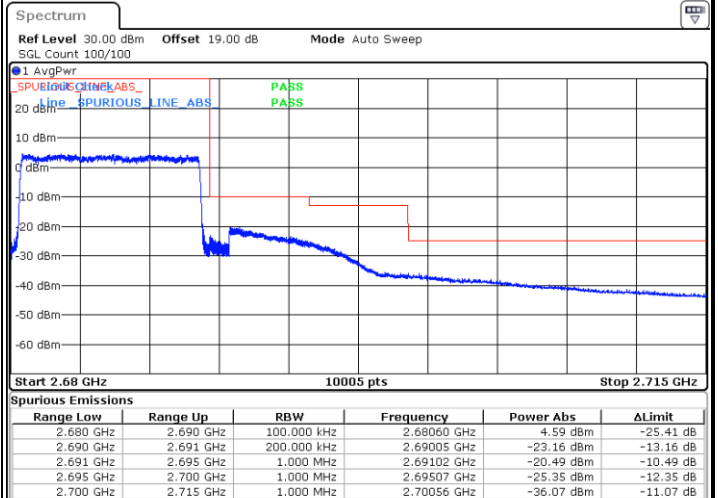
Date: 20.MAR.2024 02:08:14

Lowest Band Edge / Full RB



Date: 20.MAR.2024 02:01:57

Highest Band Edge / Full RB

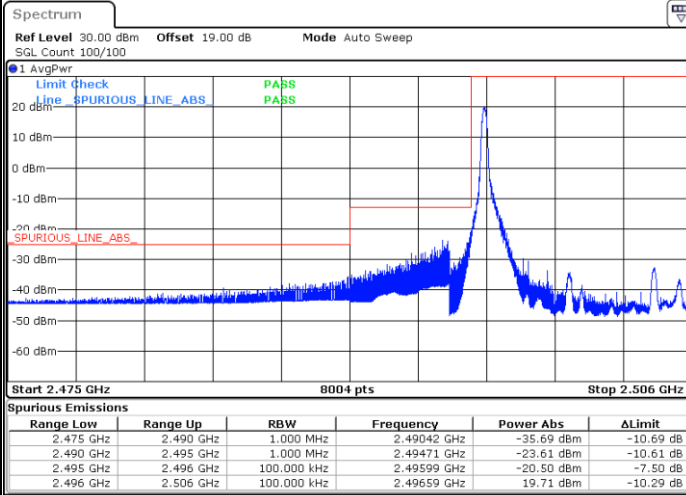


Date: 20.MAR.2024 02:10:48



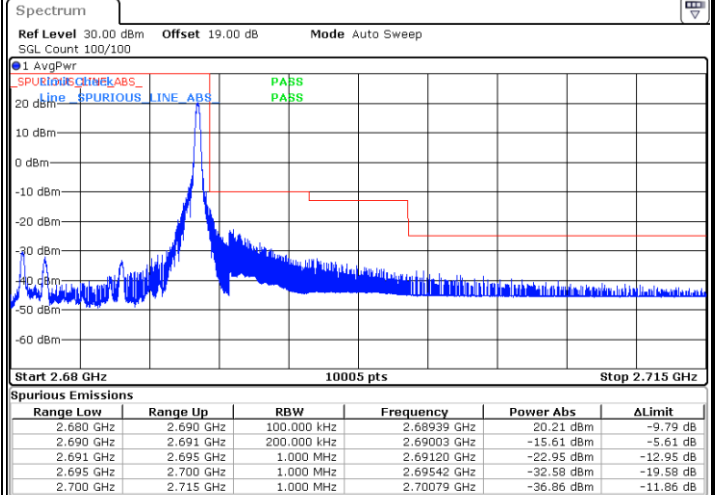
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1RB



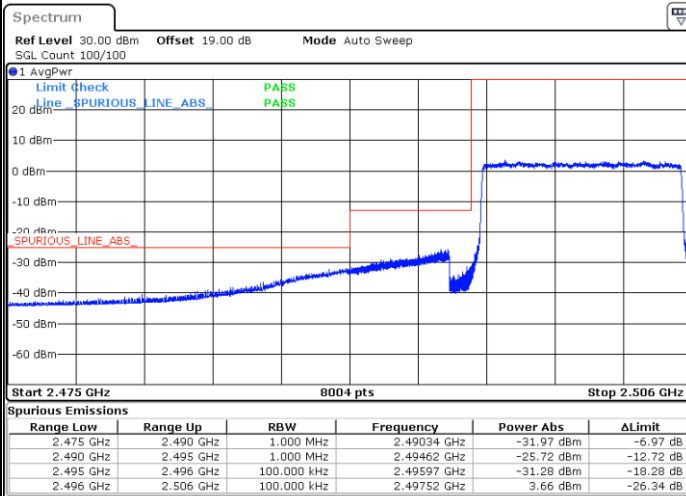
Date: 20.MAR.2024 02:00:13

Highest Band Edge / 1 RB



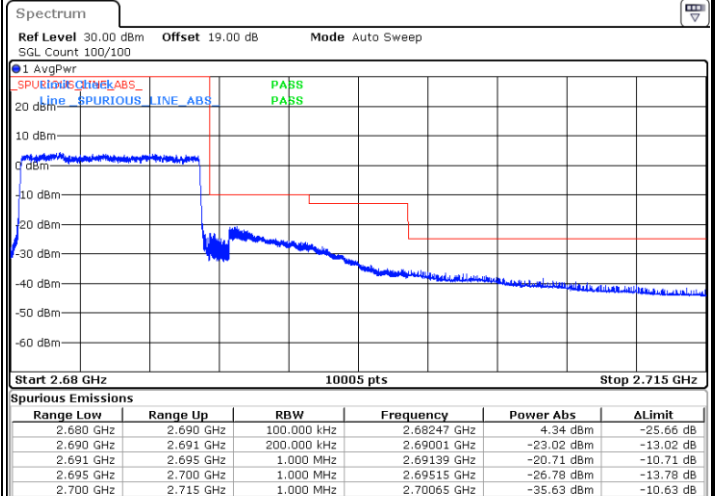
Date: 20.MAR.2024 02:09:05

Lowest Band Edge / Full RB



Date: 20.MAR.2024 02:01:05

Highest Band Edge / Full RB

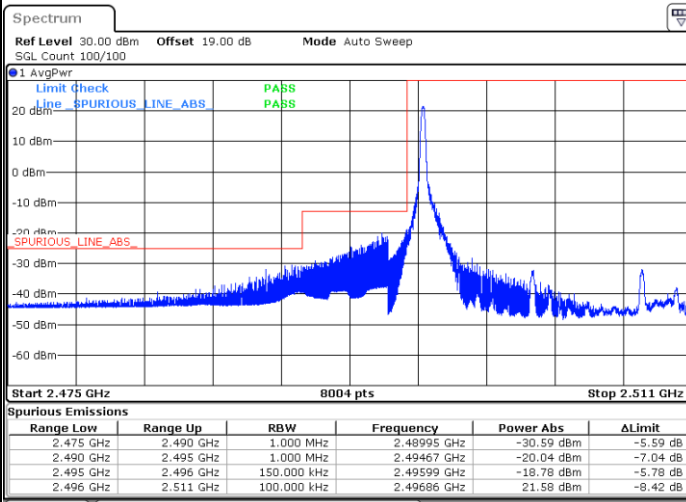


Date: 20.MAR.2024 02:09:57



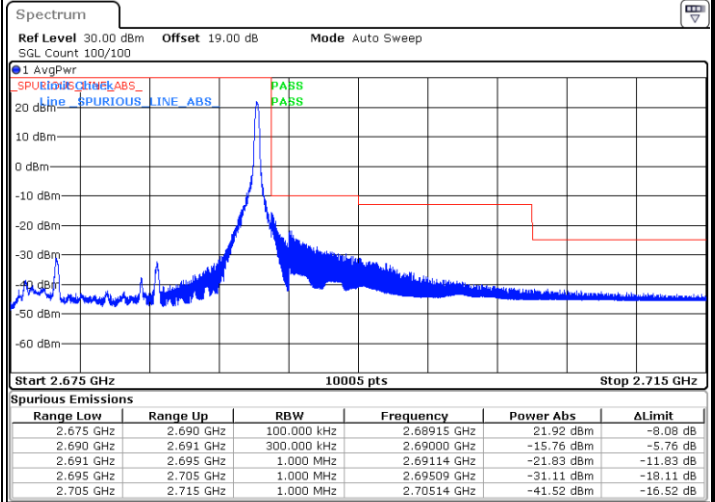
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



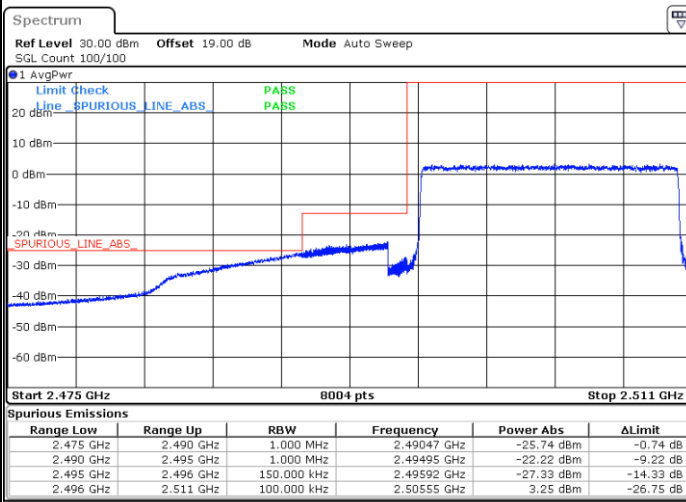
Date: 20.MAR.2024 02:14:30

Highest Band Edge / 1 RB



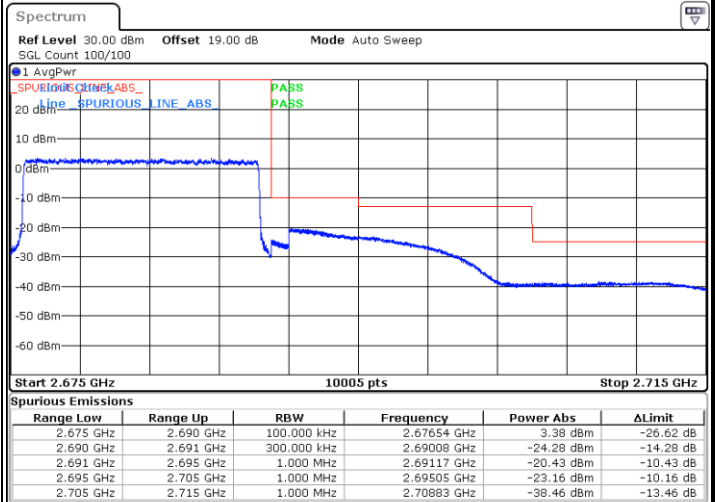
Date: 20.MAR.2024 02:23:25

Lowest Band Edge / Full RB



Date: 20.MAR.2024 02:18:49

Highest Band Edge / Full RB



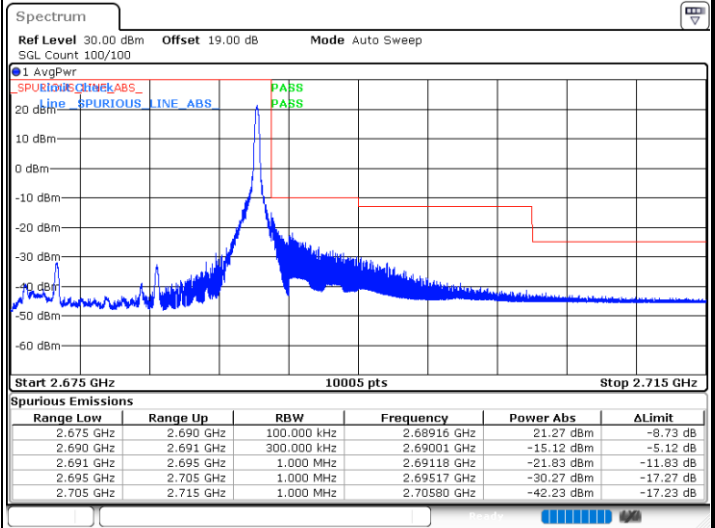
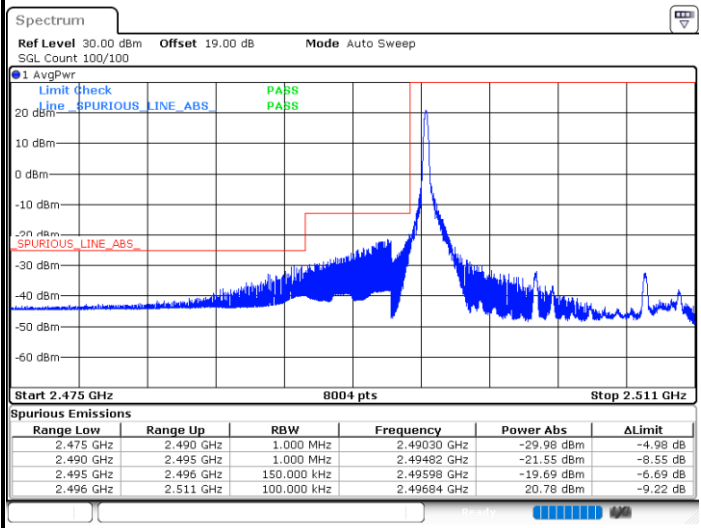
Date: 20.MAR.2024 02:27:56



LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

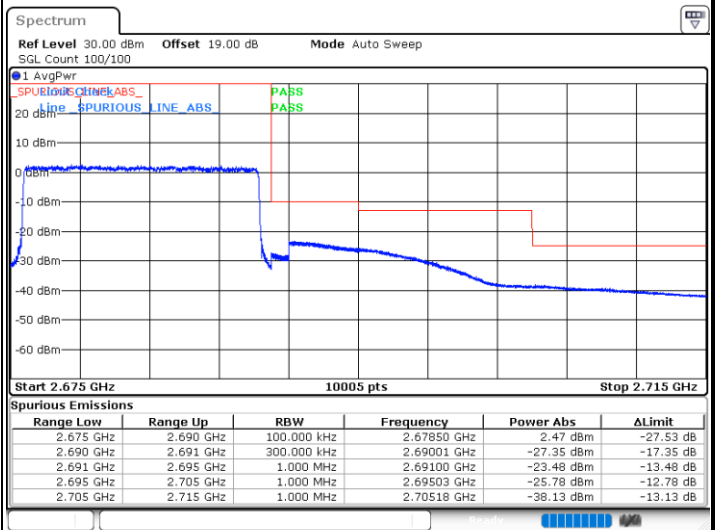
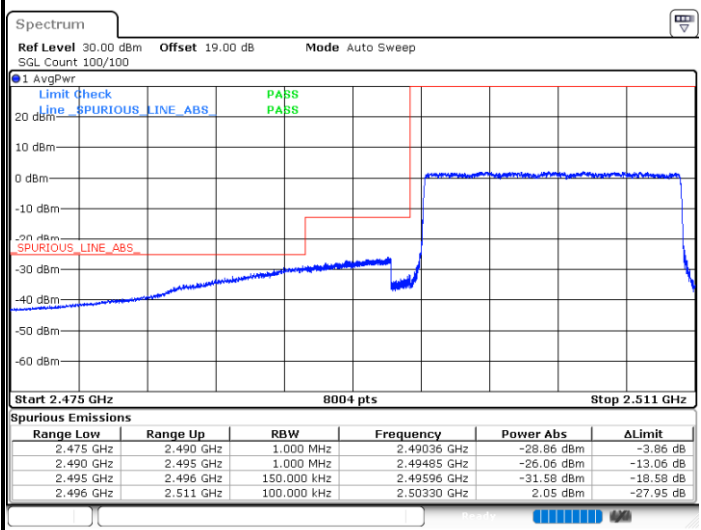


Date: 20.MAR.2024 02:15:22

Date: 20.MAR.2024 02:24:19

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 20.MAR.2024 02:17:57

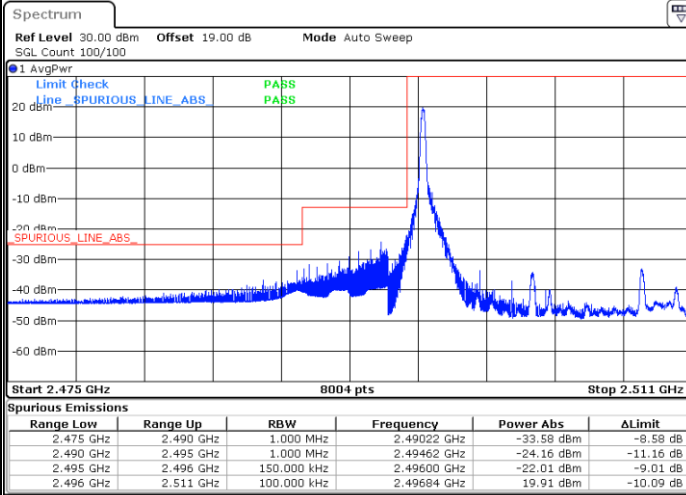
Date: 20.MAR.2024 02:27:02





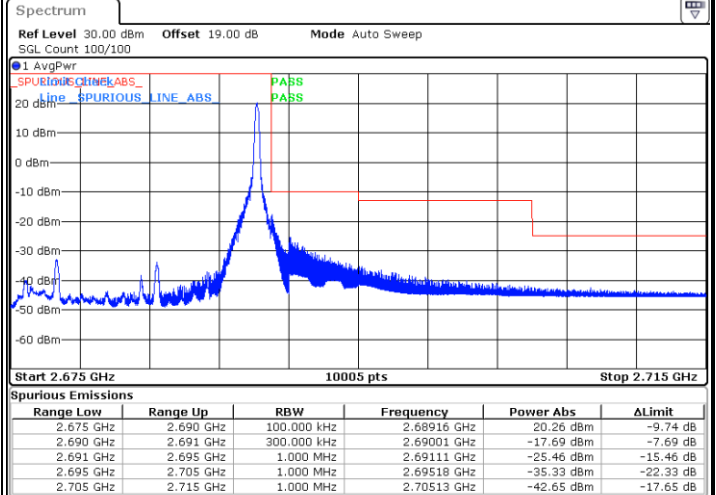
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1RB



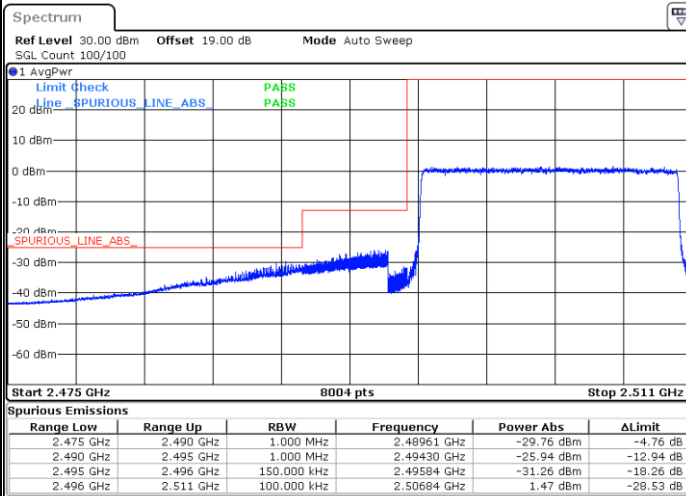
Date: 20.MAR.2024 02:16:13

Highest Band Edge / 1 RB



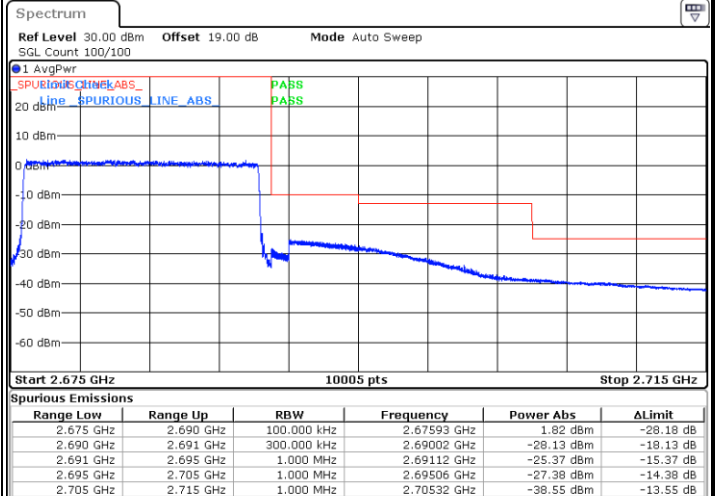
Date: 20.MAR.2024 02:25:14

Lowest Band Edge / Full RB



Date: 20.MAR.2024 02:17:05

Highest Band Edge / Full RB



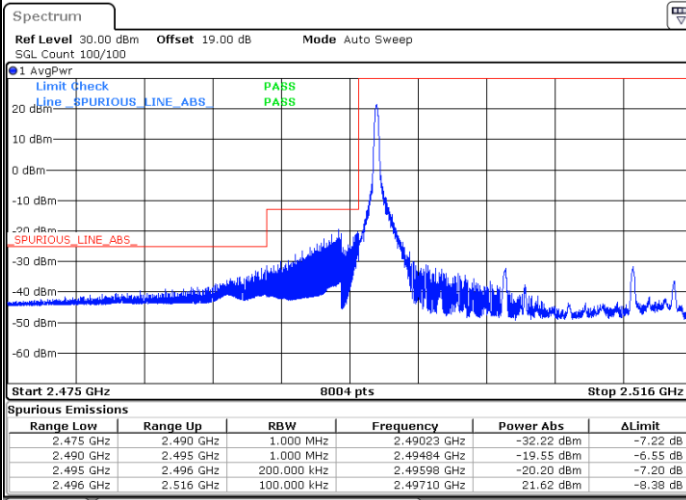
Date: 20.MAR.2024 02:26:08





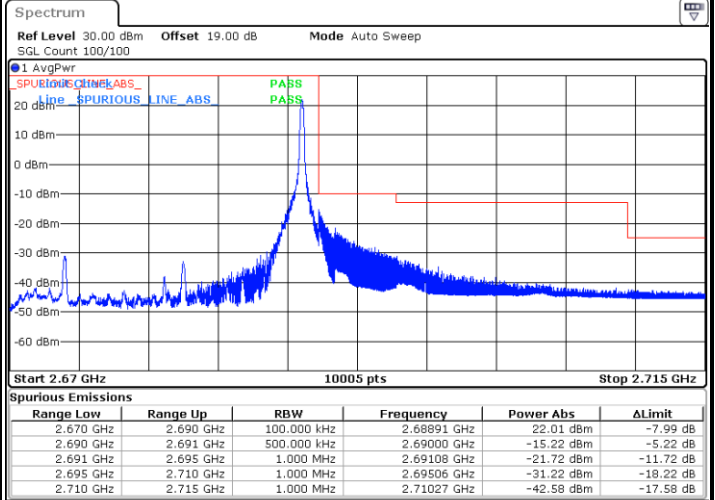
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



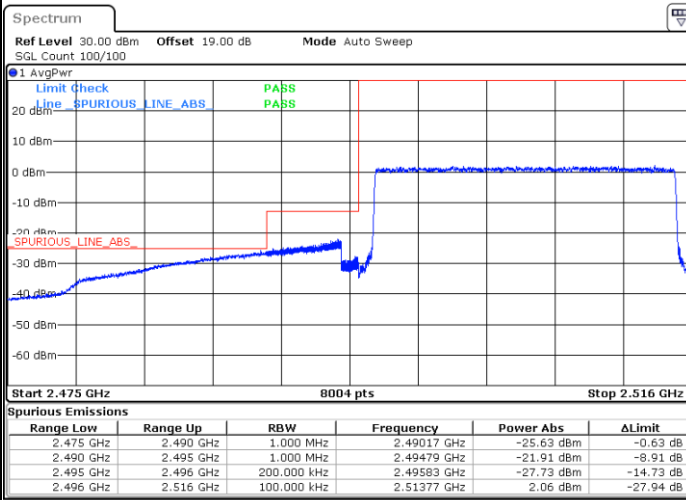
Date: 20.MAR.2024 02:30:47

Highest Band Edge / 1 RB



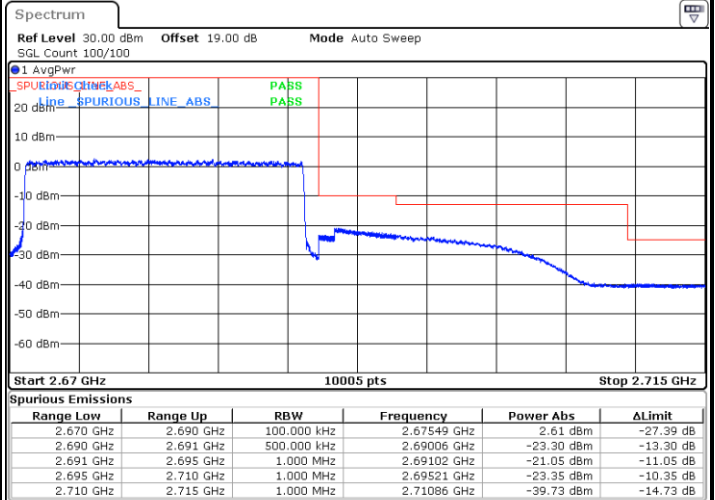
Date: 20.MAR.2024 02:41:06

Lowest Band Edge / Full RB



Date: 20.MAR.2024 02:35:06

Highest Band Edge / Full RB

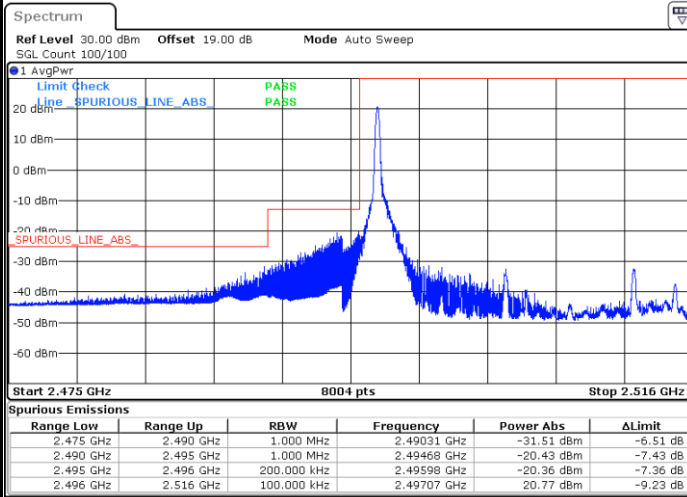


Date: 20.MAR.2024 02:45:38



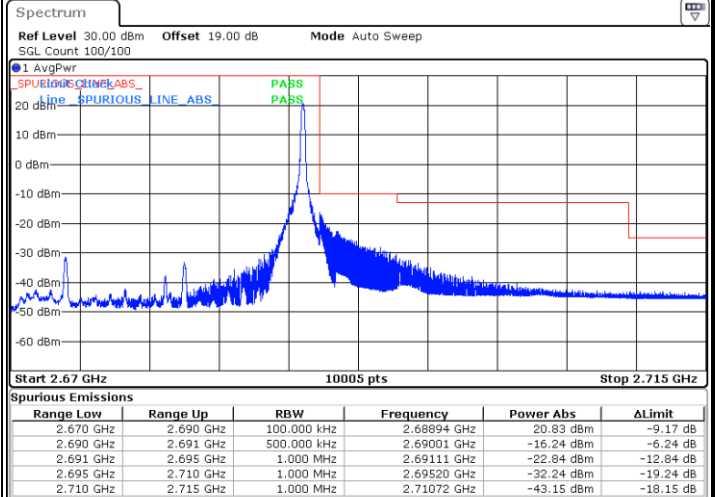
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1RB



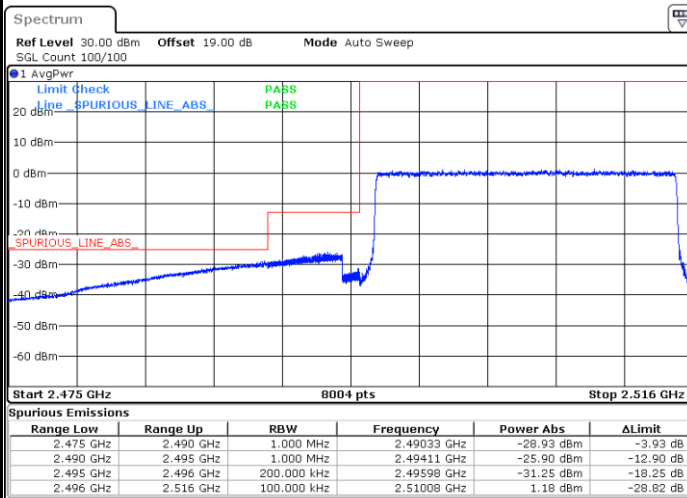
Date: 20.MAR.2024 02:31:39

Highest Band Edge / 1 RB



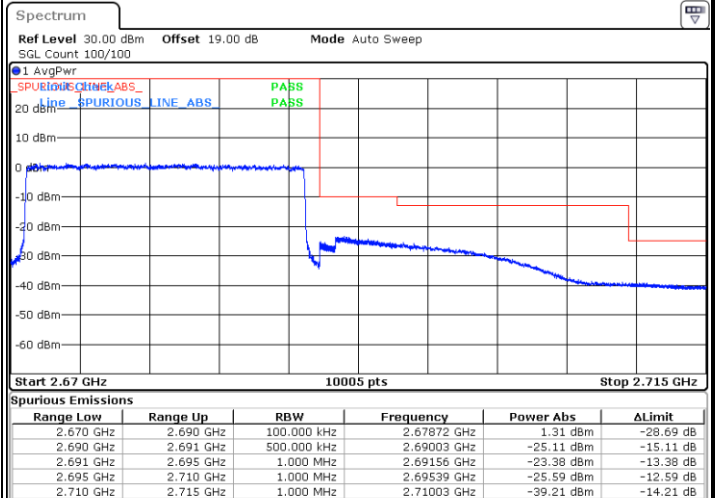
Date: 20.MAR.2024 02:42:00

Lowest Band Edge / Full RB



Date: 20.MAR.2024 02:34:14

Highest Band Edge / Full RB

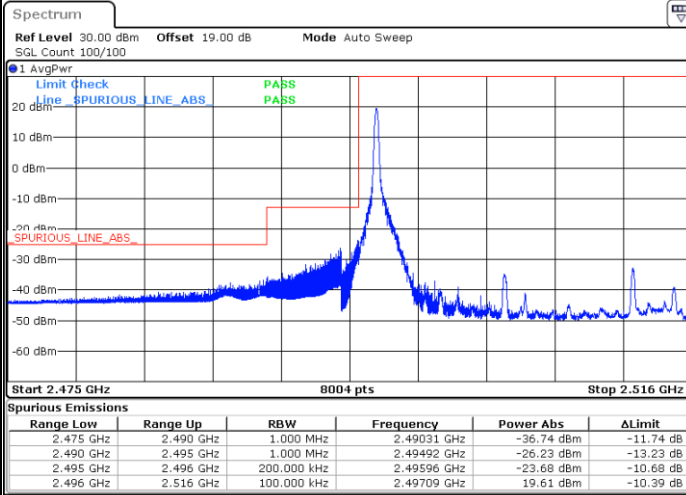


Date: 20.MAR.2024 02:44:44



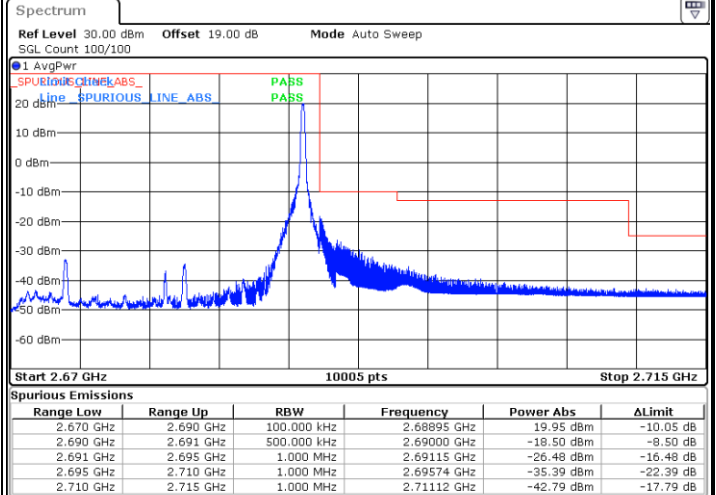
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1RB



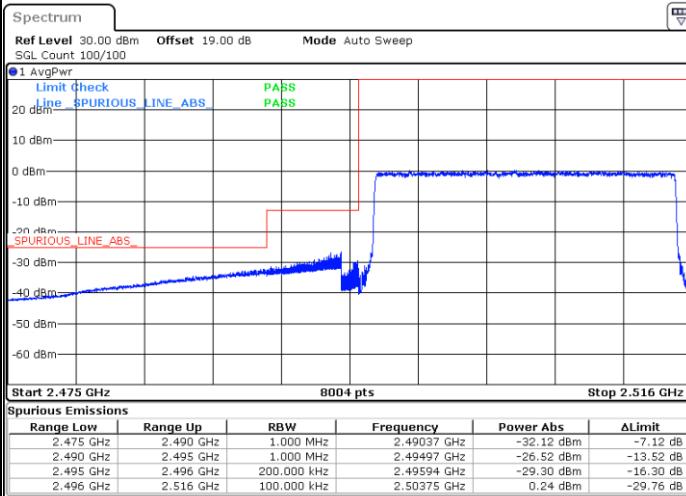
Date: 20.MAR.2024 02:32:31

Highest Band Edge / 1 RB



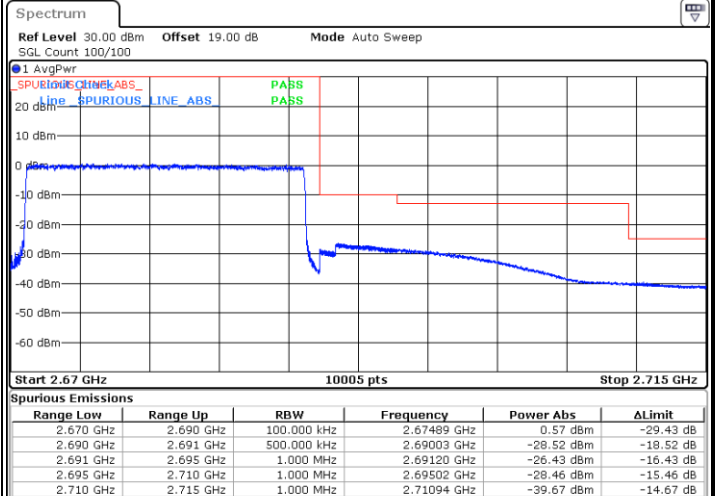
Date: 20.MAR.2024 02:42:55

Lowest Band Edge / Full RB



Date: 20.MAR.2024 02:33:22

Highest Band Edge / Full RB



Date: 20.MAR.2024 02:43:49

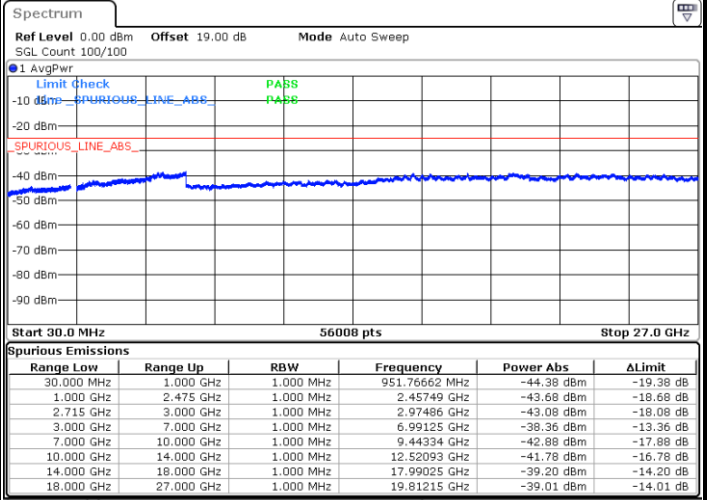
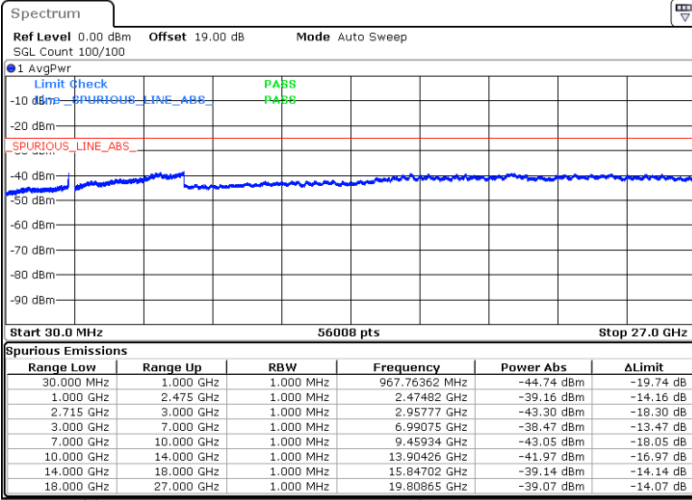


# Conducted Spurious Emission

## LTE Band 41 / 5MHz

### Lowest Channel / QPSK

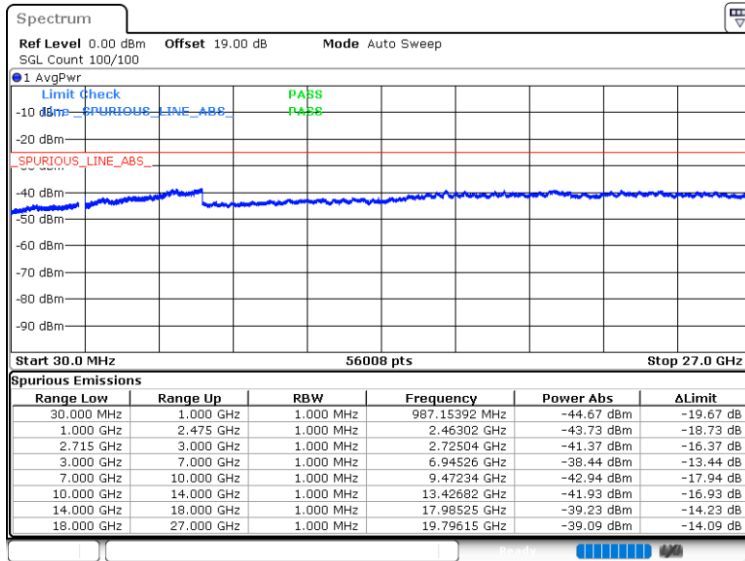
### Middle Channel / QPSK



Date: 20.MAR.2024 01:46:46

Date: 20.MAR.2024 01:47:56

### Highest Channel / QPSK



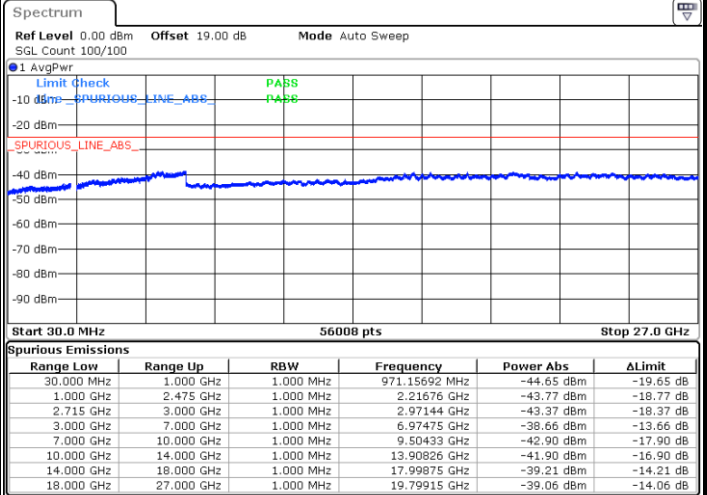
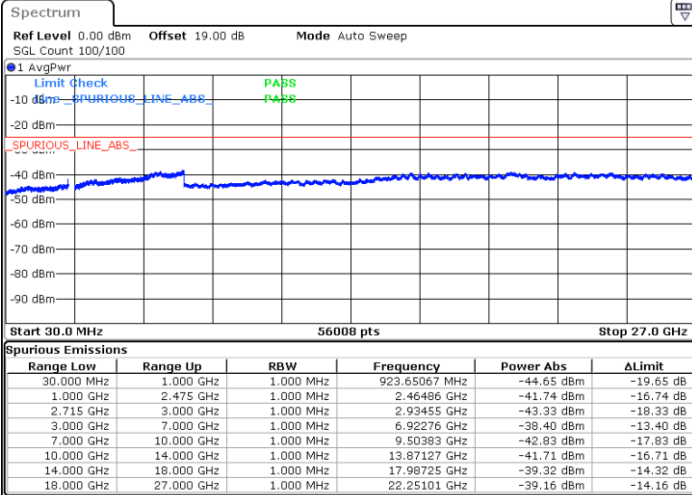
Date: 20.MAR.2024 01:56:49



LTE Band 41 / 10MHz

Lowest Channel / QPSK

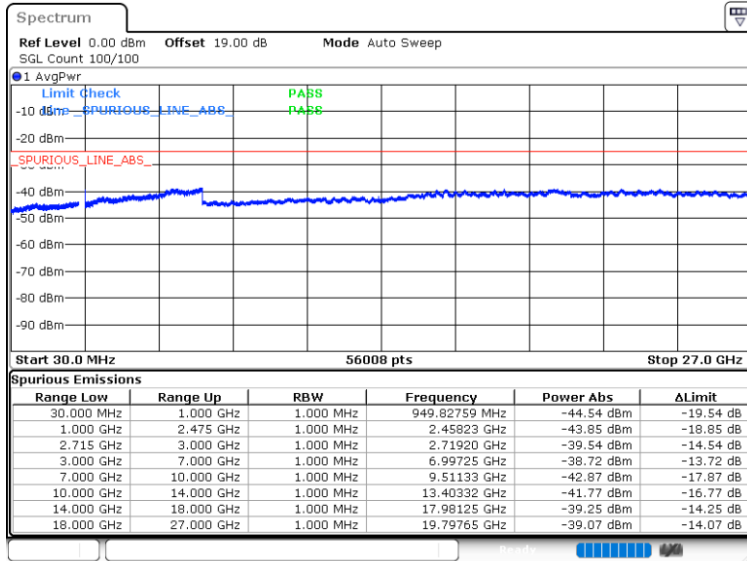
Middle Channel / QPSK



Date: 20.MAR.2024 02:03:59

Date: 20.MAR.2024 02:05:10

Highest Channel / QPSK



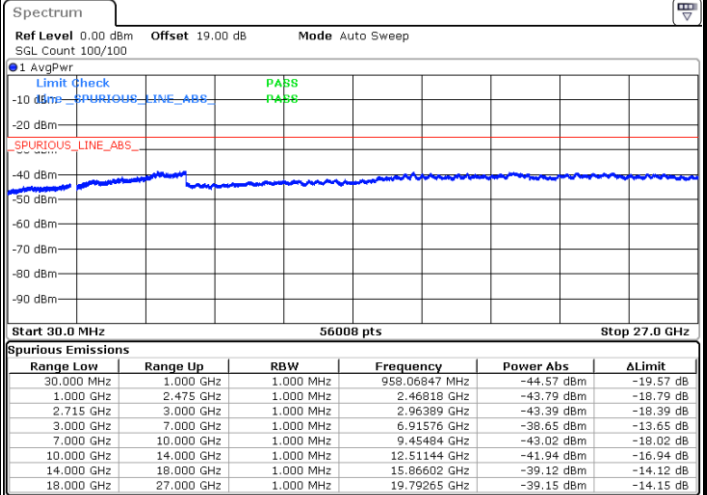
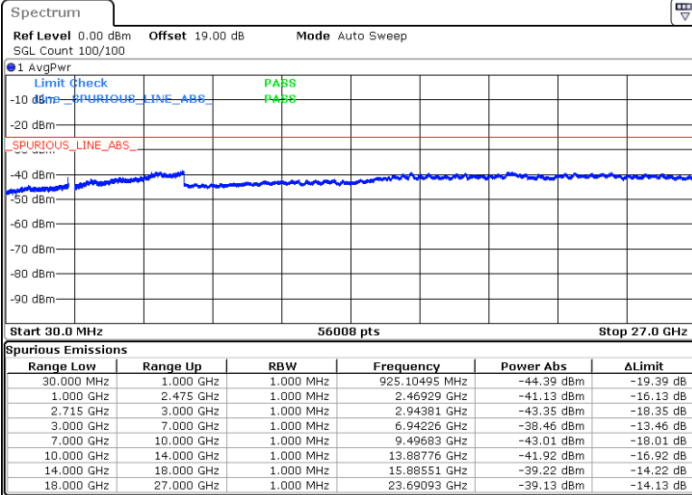
Date: 20.MAR.2024 02:12:50



LTE Band 41 / 15MHz

Lowest Channel / QPSK

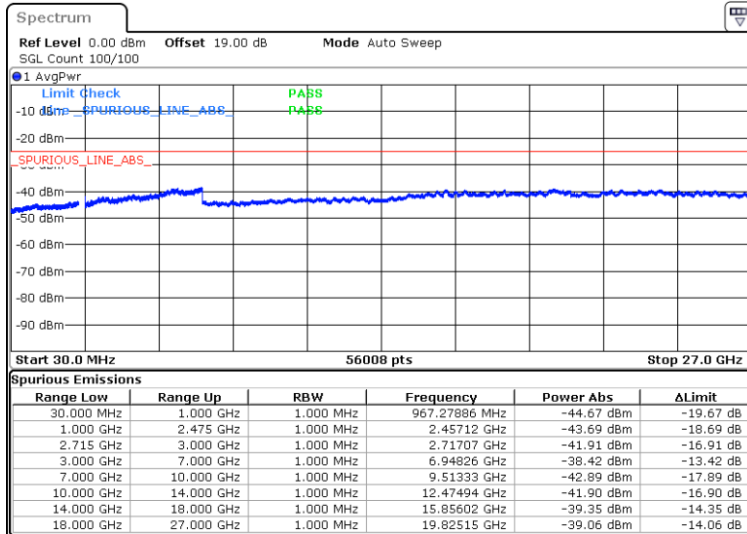
Middle Channel / QPSK



Date: 20.MAR.2024 02:20:00

Date: 20.MAR.2024 02:21:10

Highest Channel / QPSK



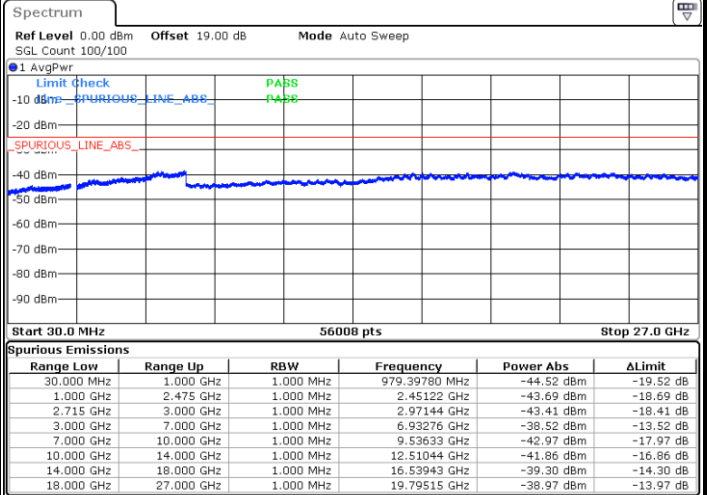
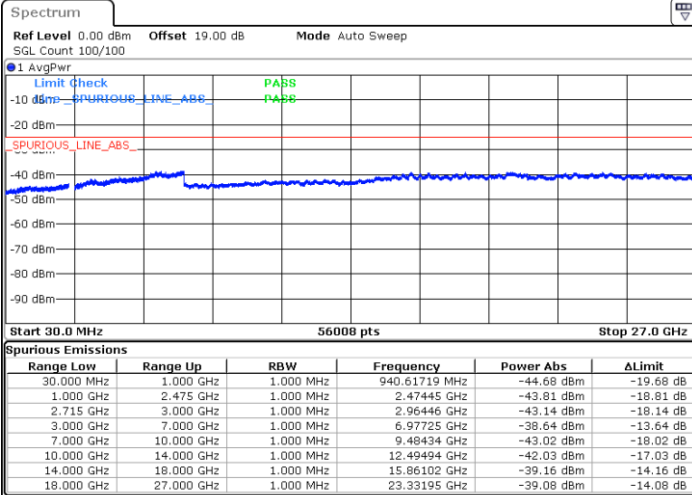
Date: 20.MAR.2024 02:29:08



LTE Band 41 / 20MHz

Lowest Channel / QPSK

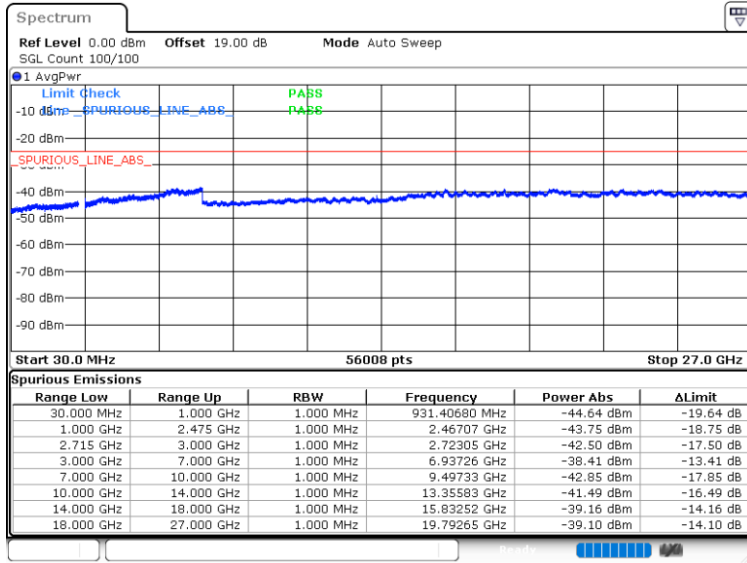
Middle Channel / QPSK



Date: 20.MAR.2024 02:36:17

Date: 20.MAR.2024 02:37:27

Highest Channel / QPSK



Date: 20.MAR.2024 02:46:49



### 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	0.0008	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0024	

**Note:**

1. Normal Voltage = 3.85 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.4 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	30.21	25.48	30.87	35.11
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.03	35.18	40.12	

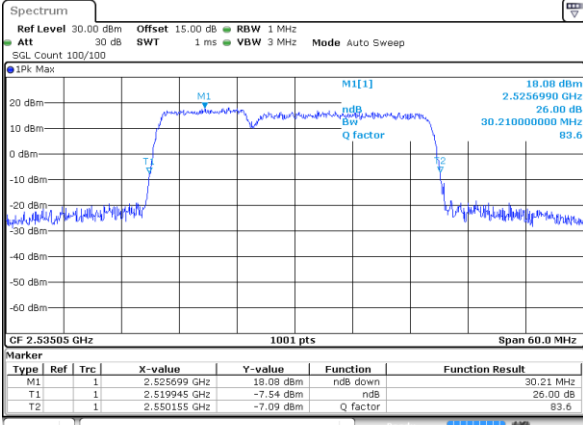
Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	30.09	25.43	30.75	35.18
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.03	35.04	40.04	



LTE Band 7C

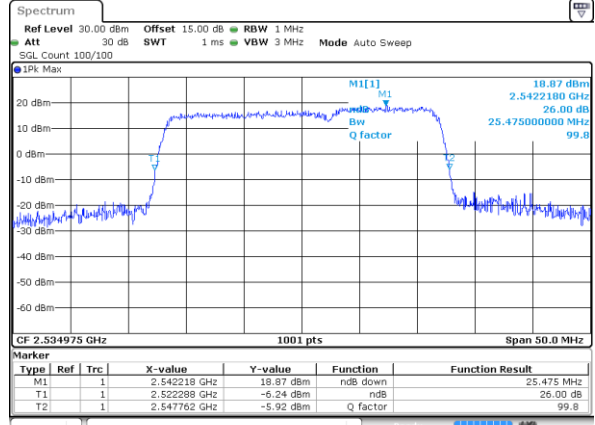
QPSK

Middle Channel / 10MHz+20MHz



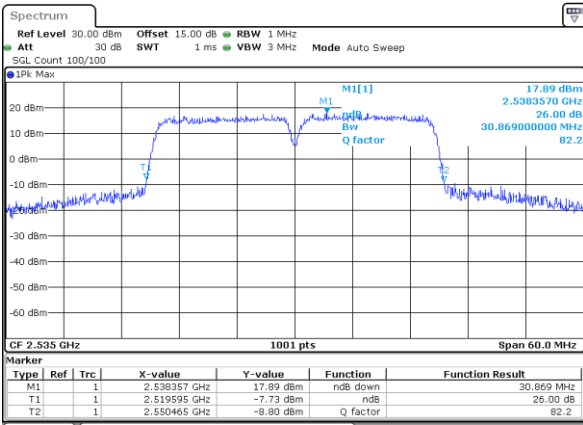
Date: 25 MAR 2024 17:21:56

Middle Channel / 15MHz+10MHz



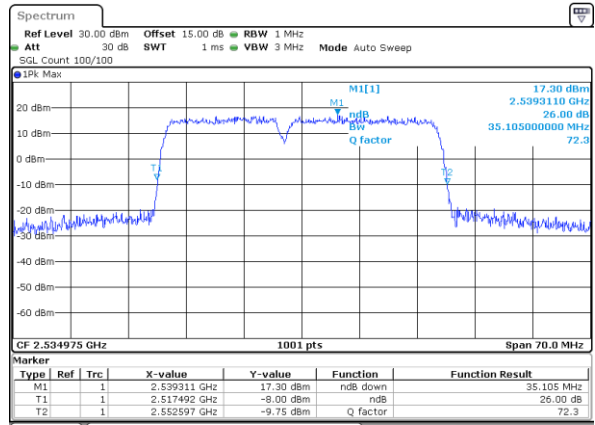
Date: 25 MAR 2024 20:42:04

Middle Channel / 15MHz+15MHz



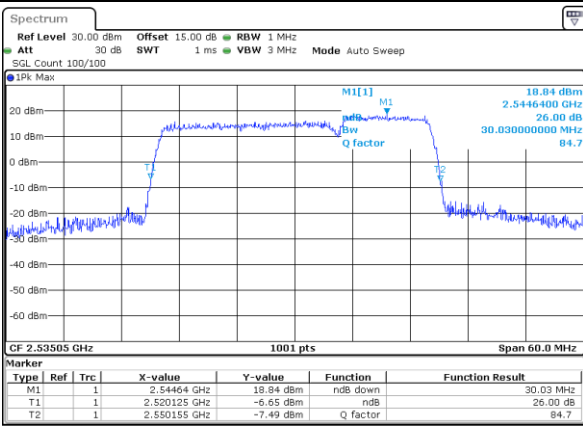
Date: 25 MAR 2024 18:43:52

Middle Channel / 15MHz+20MHz



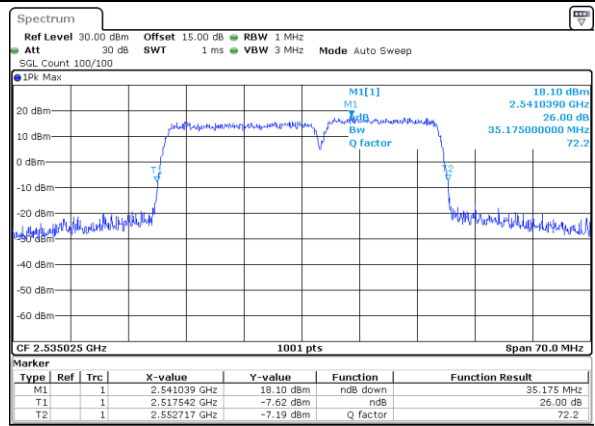
Date: 25 MAR 2024 19:11:04

Middle Channel / 20MHz+10MHz



Date: 25 MAR 2024 18:02:52

Middle Channel / 20MHz+15MHz



Date: 25 MAR 2024 19:34:19

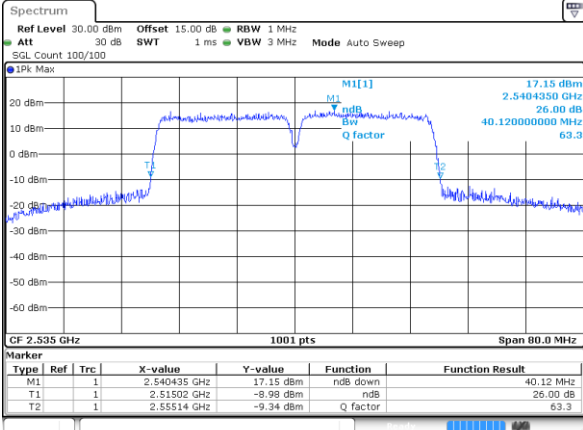


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A



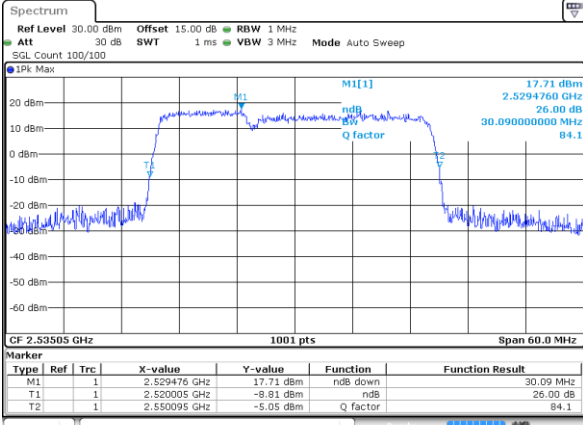
Date: 25 MAR 2024 19:55:30



LTE Band 7C

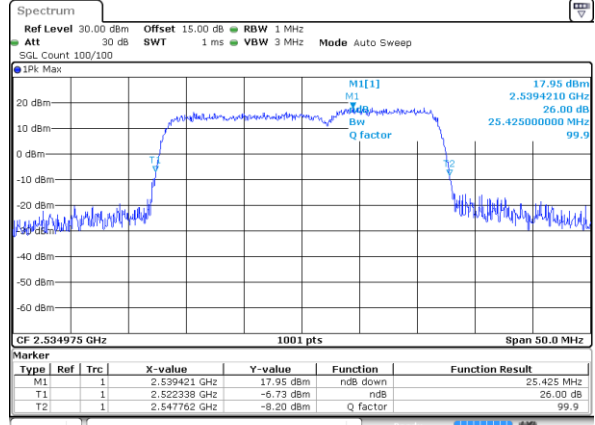
16QAM

Middle Channel / 10MHz+20MHz



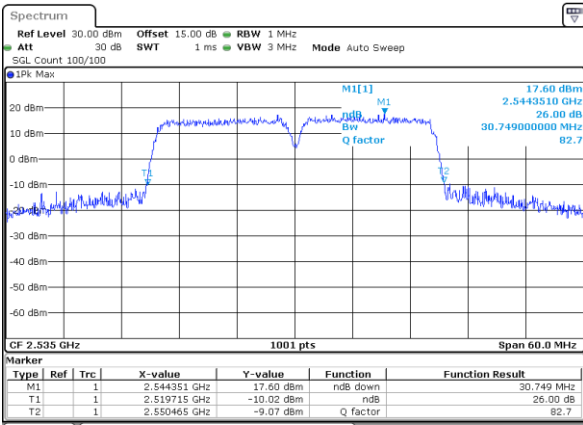
Date: 25 MAR 2024 17:22:33

Middle Channel / 15MHz+10MHz



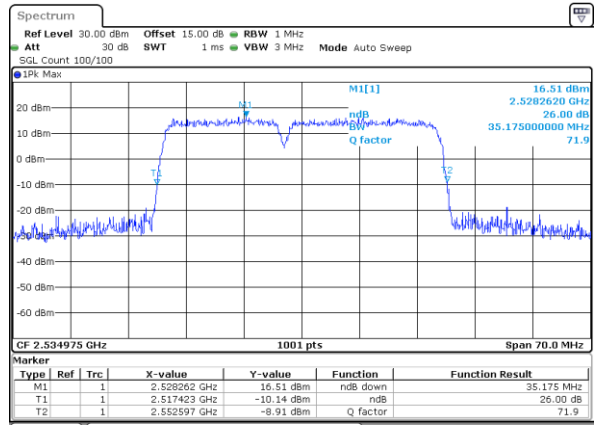
Date: 25 MAR 2024 20:42:40

Middle Channel / 15MHz+15MHz



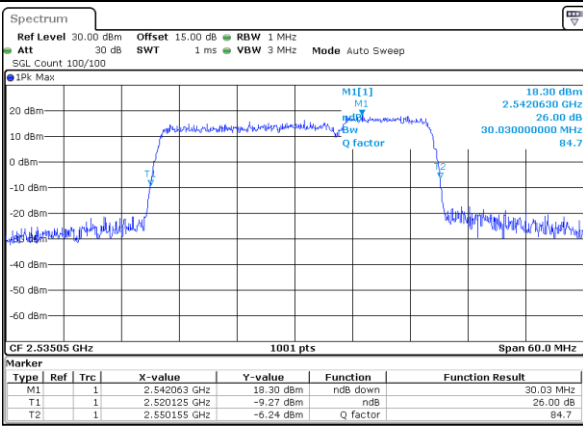
Date: 25 MAR 2024 18:44:25

Middle Channel / 15MHz+20MHz



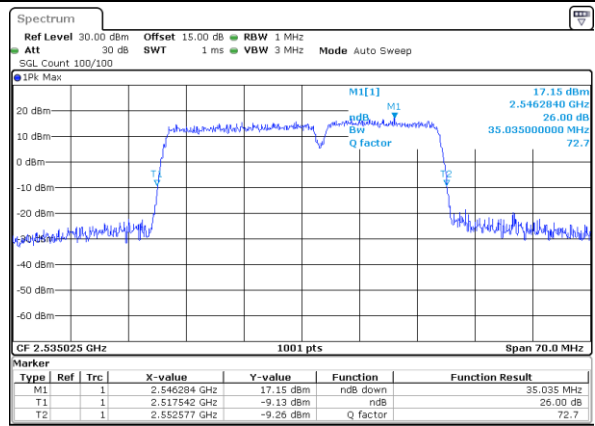
Date: 25 MAR 2024 19:11:41

Middle Channel / 20MHz+10MHz



Date: 25 MAR 2024 18:03:27

Middle Channel / 20MHz+15MHz



Date: 25 MAR 2024 19:34:55

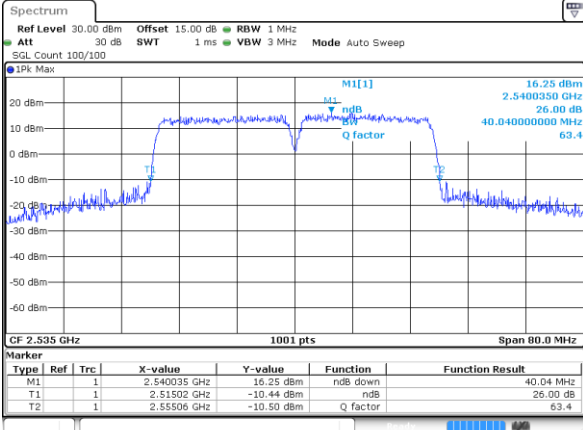


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A



Date: 25 MAR 2024 19:56:03



### Occupied Bandwidth

Mode	LTE Band 7C : 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	28.17	23.53	28.65	32.87
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.11	32.80	37.72	

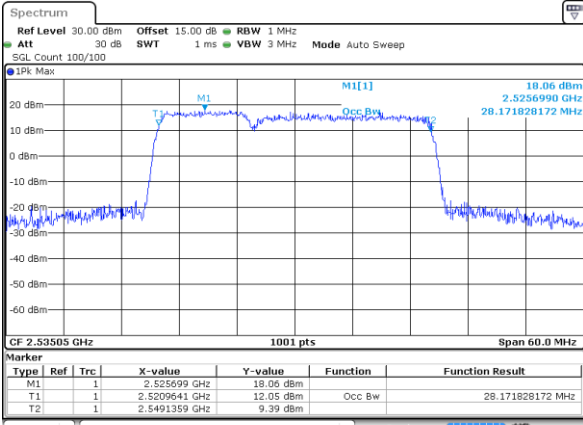
Mode	LTE Band 7C : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	28.05	23.48	28.71	32.73
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.99	32.80	37.72	



LTE Band 7C

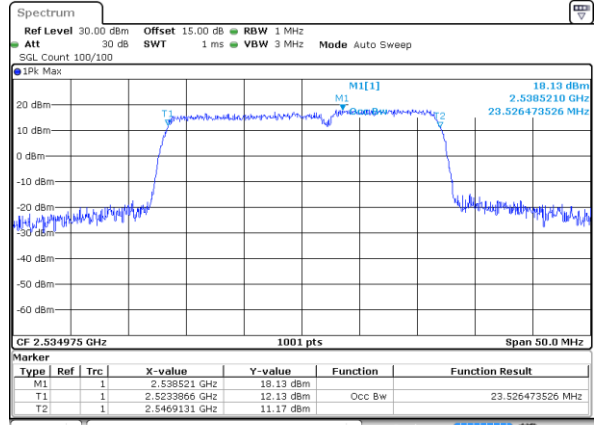
QPSK

Middle Channel / 10MHz+20MHz



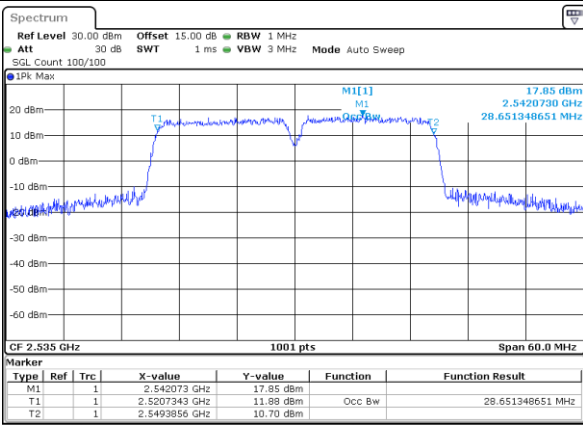
Date: 25 MAR 2024 17:21:21

Middle Channel / 15MHz+10MHz



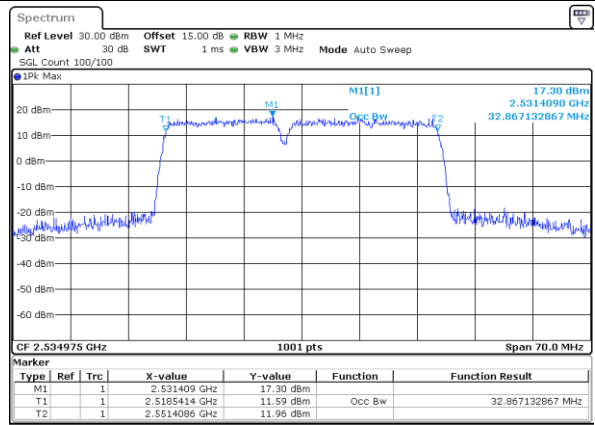
Date: 25 MAR 2024 20:41:29

Middle Channel / 15MHz+15MHz



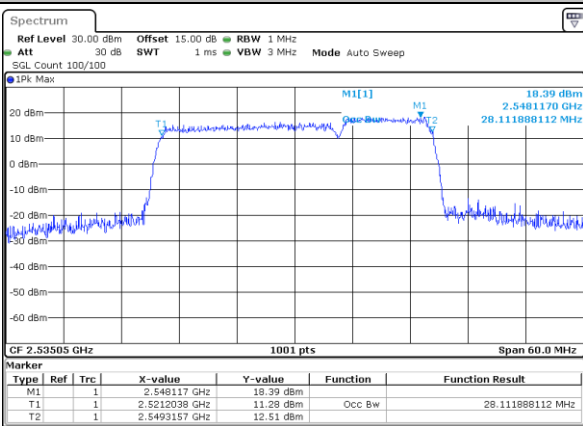
Date: 25 MAR 2024 18:43:19

Middle Channel / 15MHz+20MHz



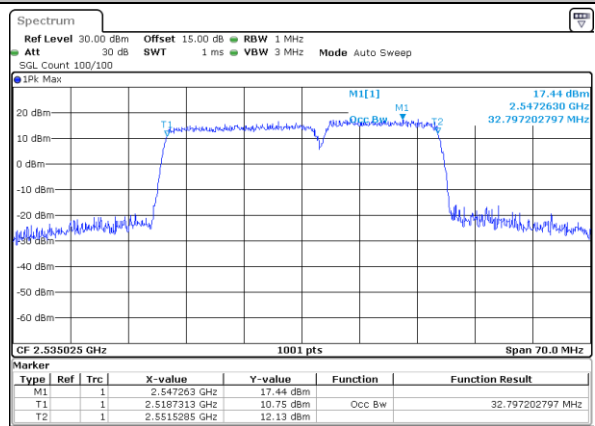
Date: 25 MAR 2024 19:10:29

Middle Channel / 20MHz+10MHz



Date: 25 MAR 2024 18:02:16

Middle Channel / 20MHz+15MHz



Date: 25 MAR 2024 19:33:43

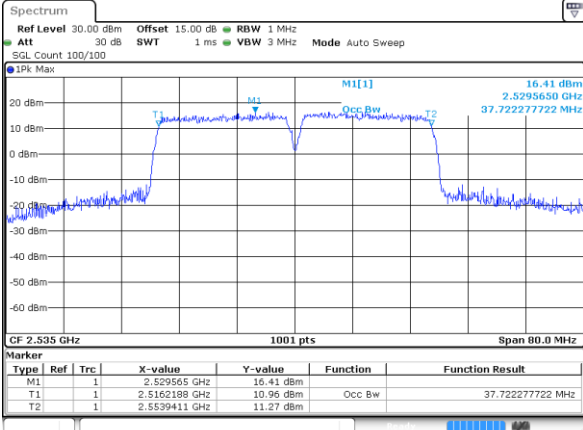


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A



Date: 25 MAR 2024 19:54:57

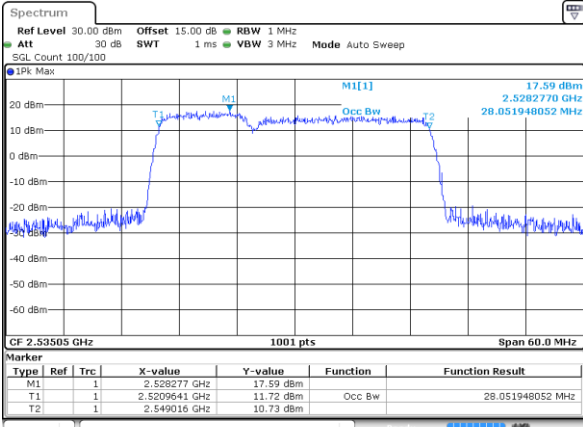




LTE Band 7C

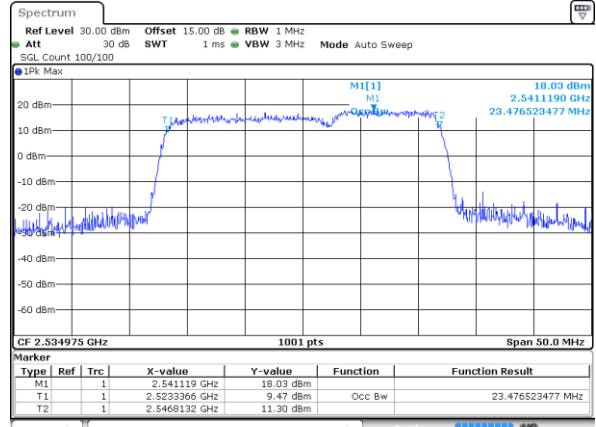
16QAM

Middle Channel / 10MHz+20MHz



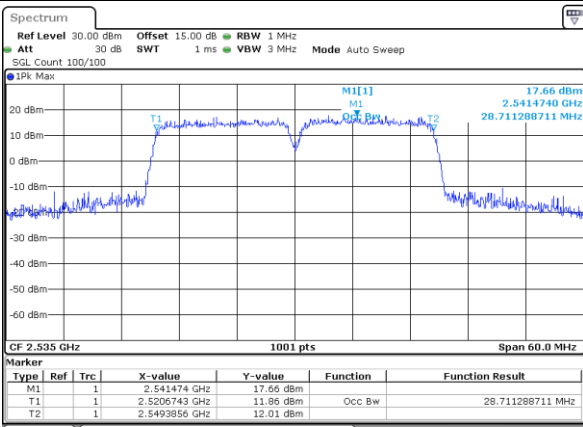
Date: 25 MAR 2024 17:23:08

Middle Channel / 15MHz+10MHz



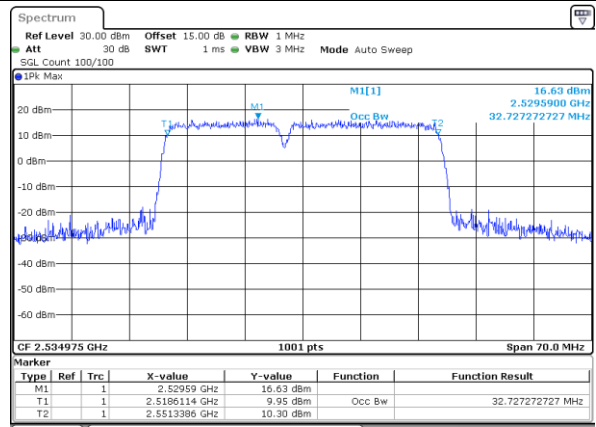
Date: 25 MAR 2024 20:43:15

Middle Channel / 15MHz+15MHz



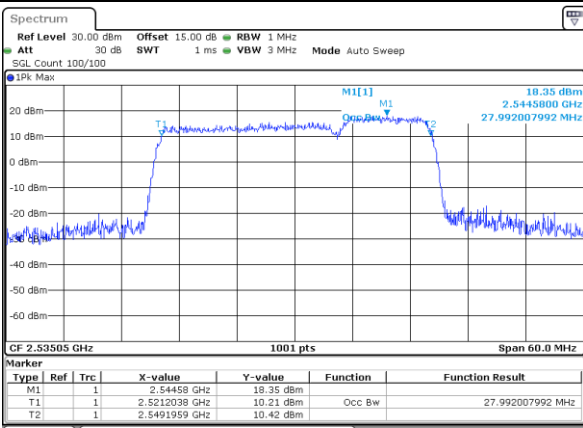
Date: 25 MAR 2024 18:44:58

Middle Channel / 15MHz+20MHz



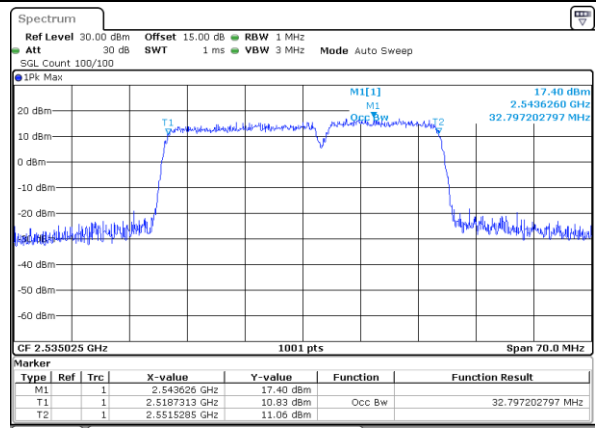
Date: 25 MAR 2024 19:12:16

Middle Channel / 20MHz+10MHz



Date: 25 MAR 2024 18:04:03

Middle Channel / 20MHz+15MHz



Date: 25 MAR 2024 19:35:30

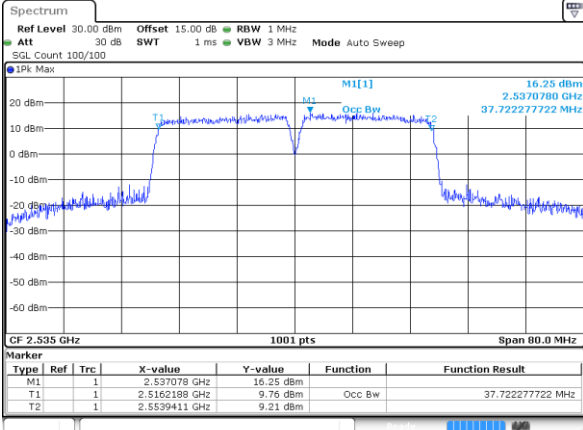


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A



Date: 25 MAR 2024 19:56:36