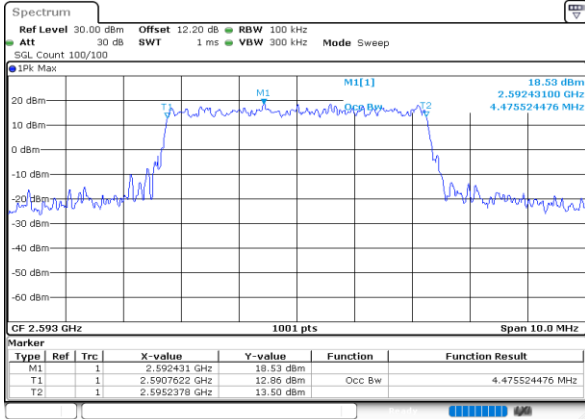




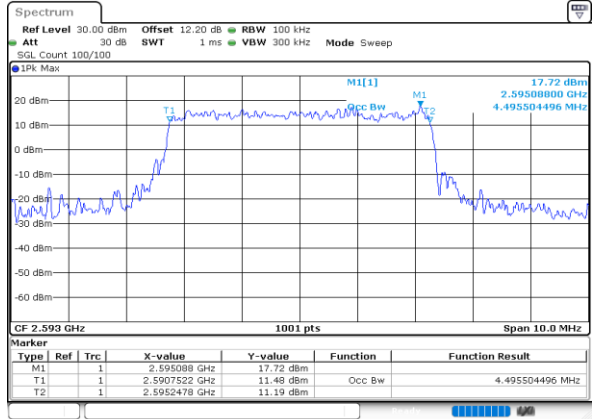
LTE Band 41

Middle Channel / 5MHz / QPSK



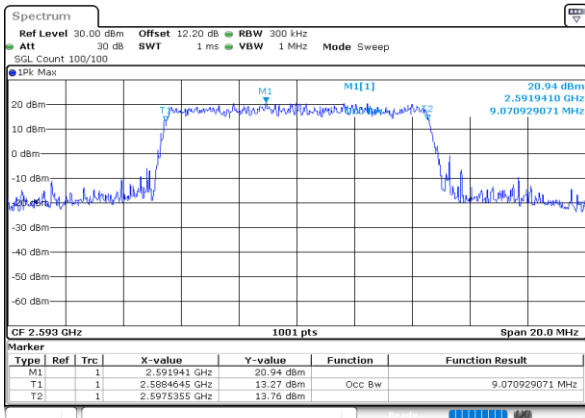
Date: 27.DEC.2023 13:45:57

Middle Channel / 5MHz / 16QAM



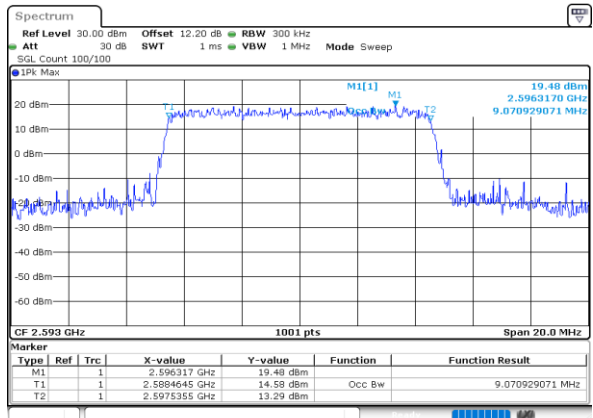
Date: 27.DEC.2023 13:46:41

Middle Channel / 10MHz / QPSK



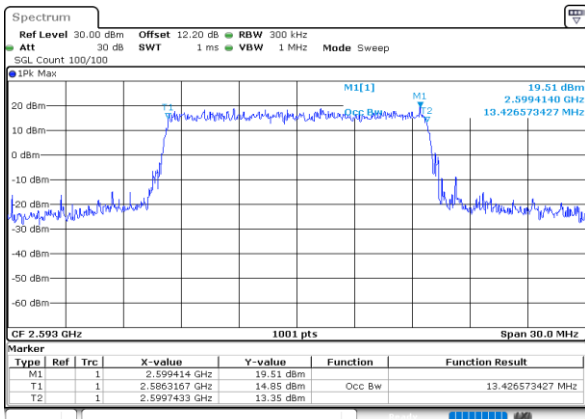
Date: 27.DEC.2023 14:04:12

Middle Channel / 10MHz / 16QAM



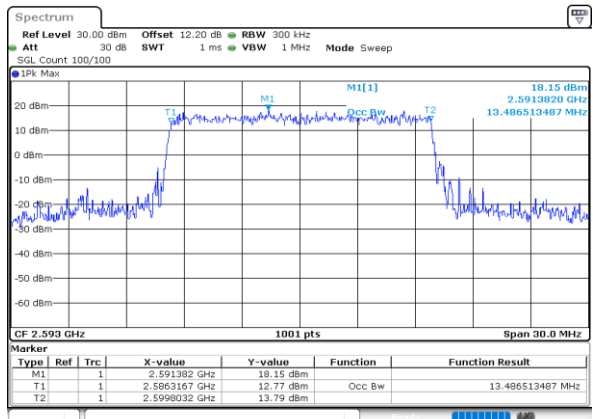
Date: 27.DEC.2023 14:04:56

Middle Channel / 15MHz / QPSK



Date: 27.DEC.2023 14:25:30

Middle Channel / 15MHz / 16QAM

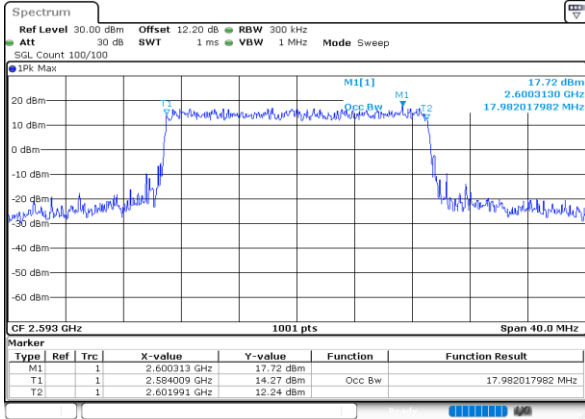


Date: 27.DEC.2023 14:26:14



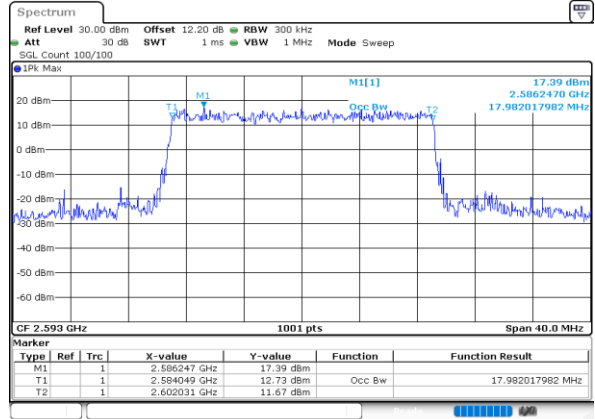
LTE Band 41

Middle Channel / 20MHz / QPSK



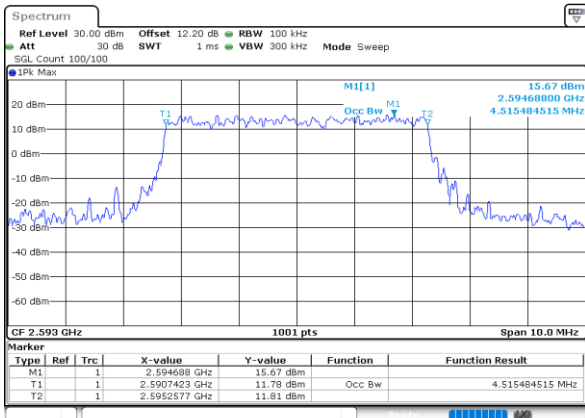
Date: 27 DEC.2023 14:37:43

Middle Channel / 20MHz / 16QAM



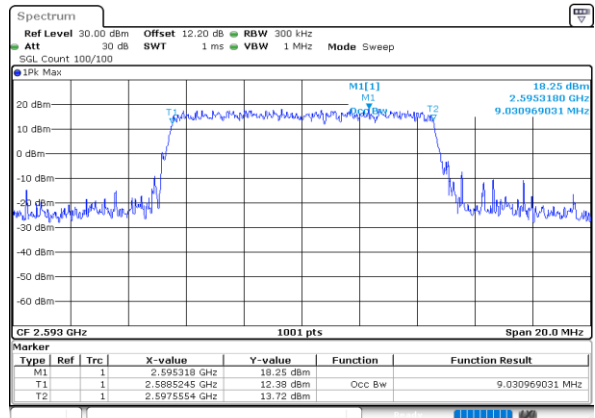
Date: 27 DEC.2023 14:39:14

Middle Channel / 5MHz / 64QAM



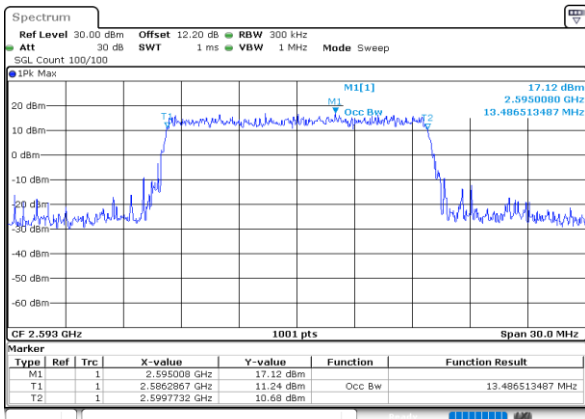
Date: 27 DEC.2023 13:47:26

Middle Channel / 10MHz / 64QAM



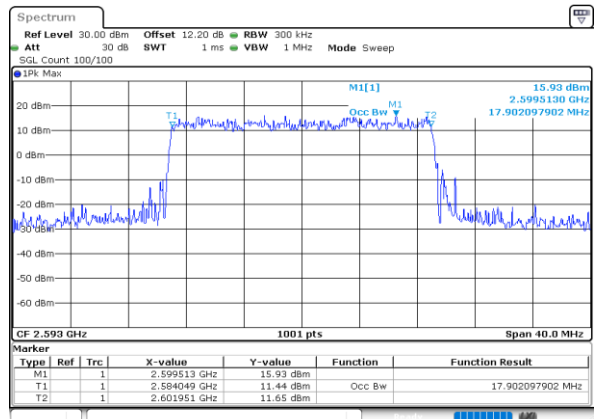
Date: 27 DEC.2023 14:05:41

Middle Channel / 15MHz / 64QAM



Date: 27 DEC.2023 14:26:59

Middle Channel / 20MHz / 64QAM

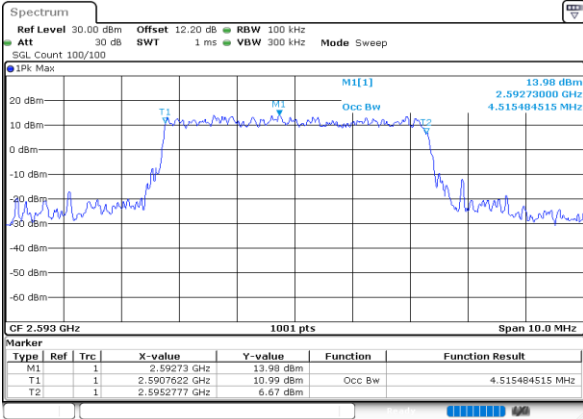


Date: 27 DEC.2023 14:40:22



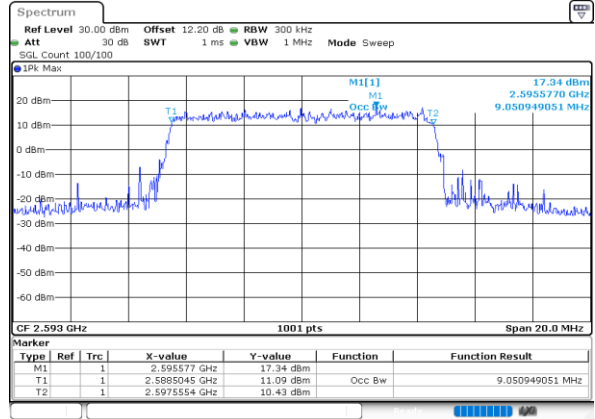
LTE Band 41

Middle Channel / 5MHz / 256QAM



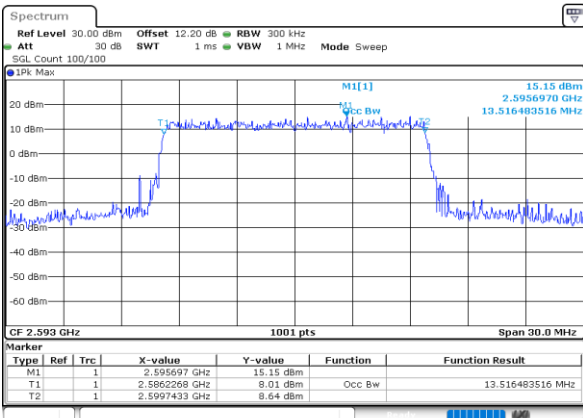
Date: 27.DEC.2023 13:48:11

Middle Channel / 10MHz / 256QAM



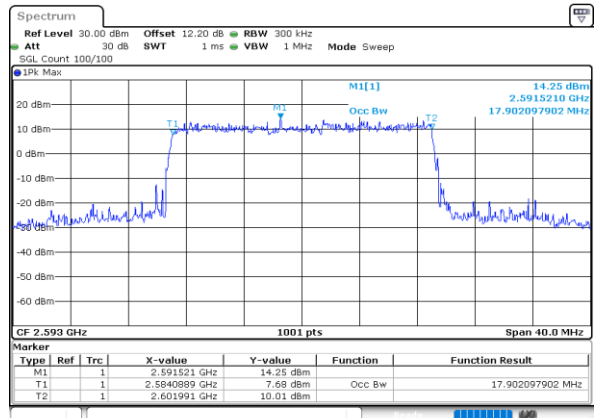
Date: 27.DEC.2023 14:06:26

Middle Channel / 15MHz / 256QAM



Date: 27.DEC.2023 14:27:44

Middle Channel / 20MHz / 256QAM



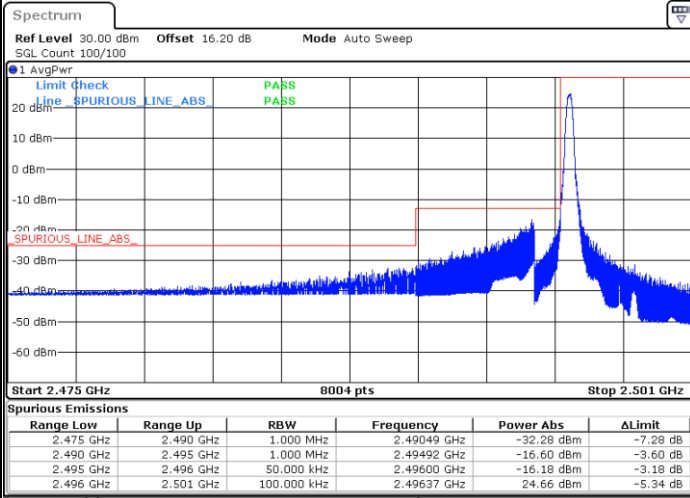
Date: 27.DEC.2023 14:41:30



# Conducted Band Edge

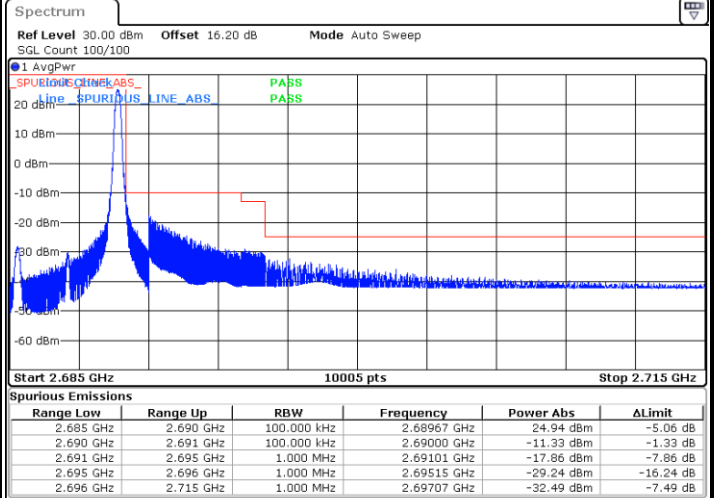
## LTE Band 41 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



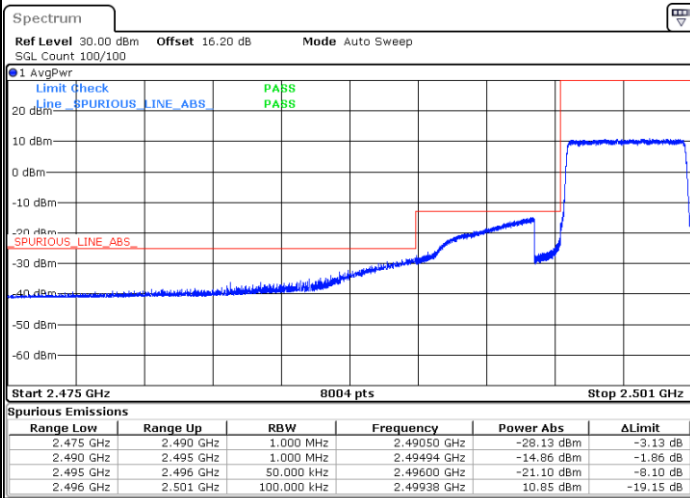
Date: 27.DEC.2023 13:36:22

### Highest Band Edge / 1 RB



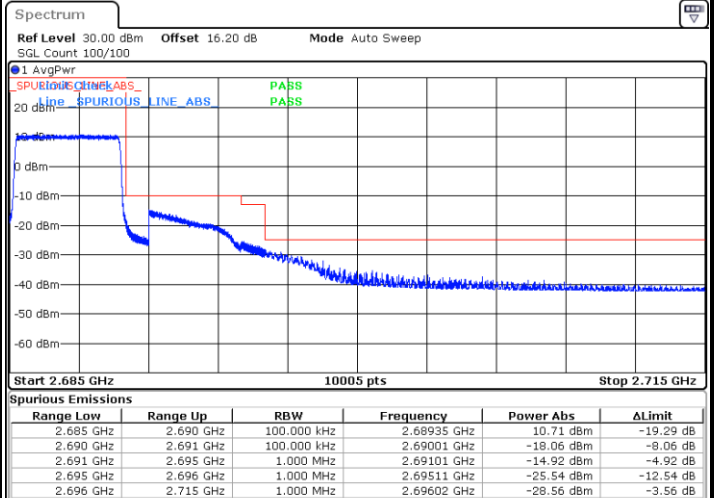
Date: 27.DEC.2023 13:54:56

### Lowest Band Edge / Full RB



Date: 27.DEC.2023 13:40:57

### Highest Band Edge / Full RB

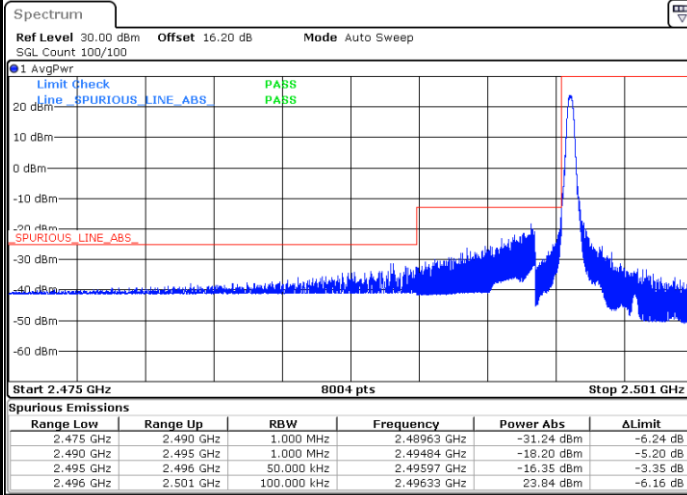


Date: 27.DEC.2023 13:49:37



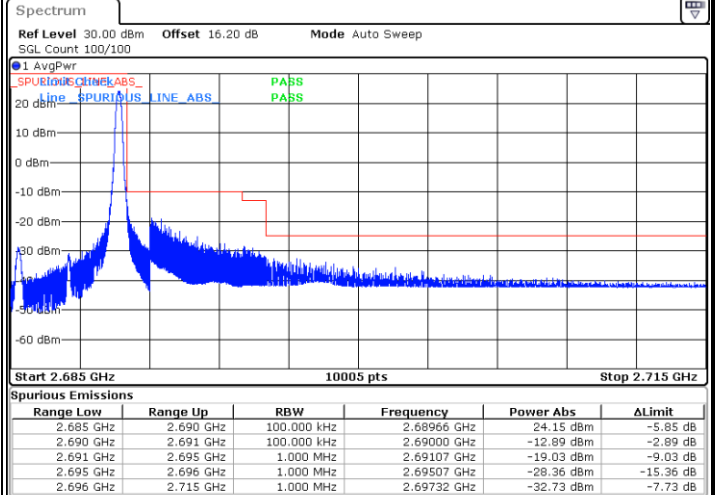
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



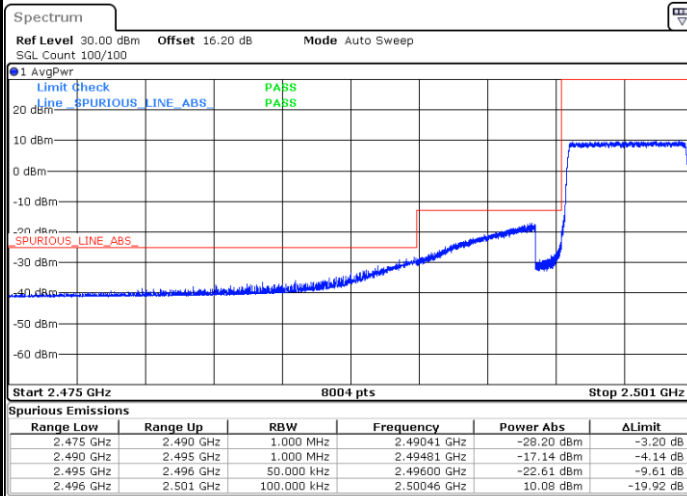
Date: 27.DEC.2023 13:37:14

Highest Band Edge / 1 RB



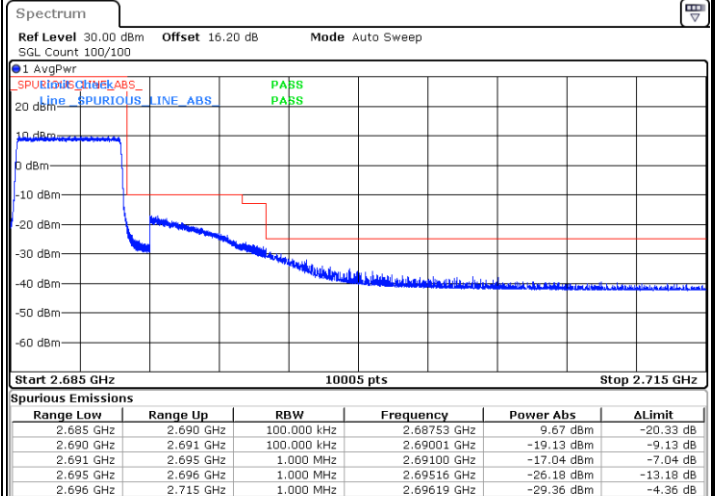
Date: 27.DEC.2023 13:56:01

Lowest Band Edge / Full RB



Date: 27.DEC.2023 13:41:49

Highest Band Edge / Full RB

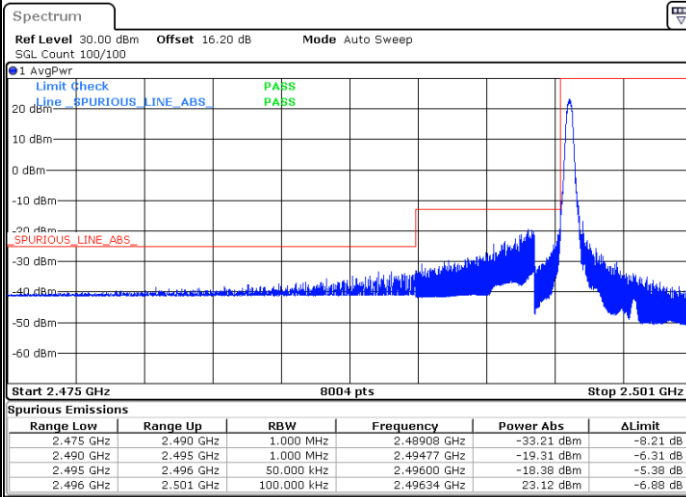


Date: 27.DEC.2023 13:50:42



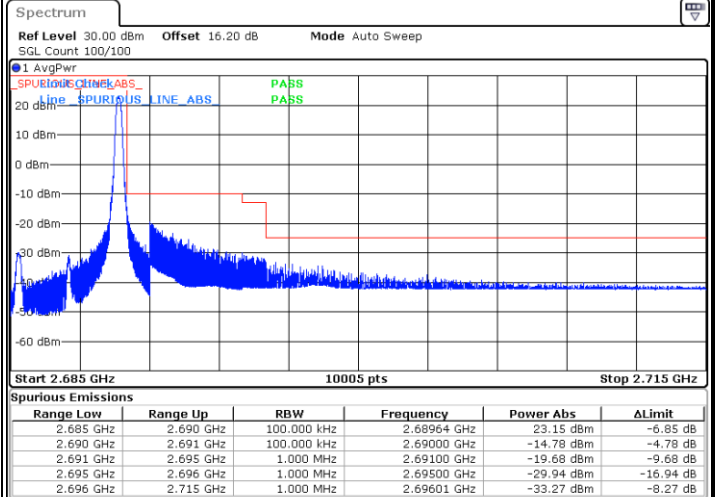
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



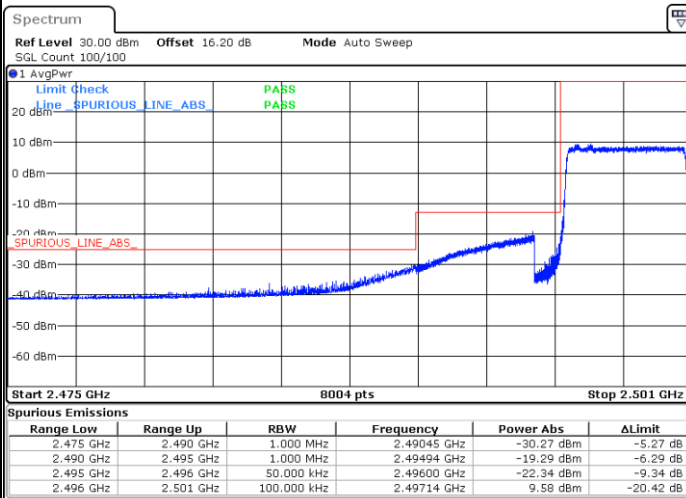
Date: 27.DEC.2023 13:38:06

Highest Band Edge / 1 RB



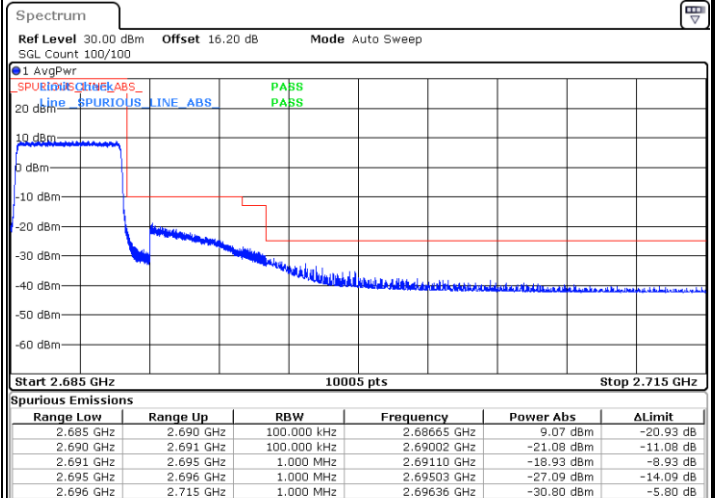
Date: 27.DEC.2023 13:57:06

Lowest Band Edge / Full RB



Date: 27.DEC.2023 13:42:41

Highest Band Edge / Full RB

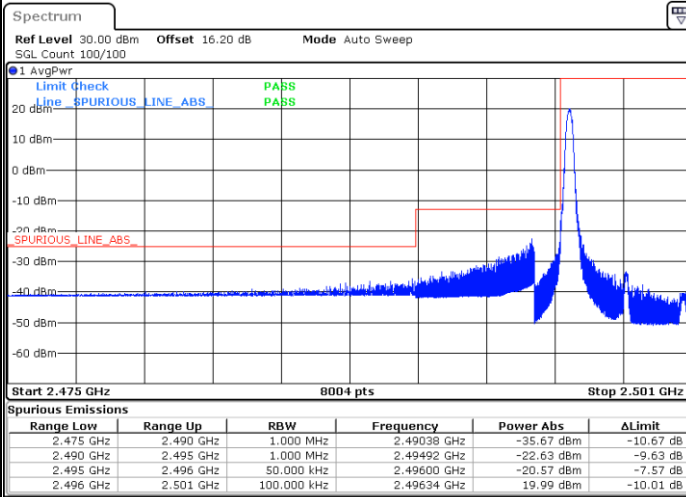


Date: 27.DEC.2023 13:51:47



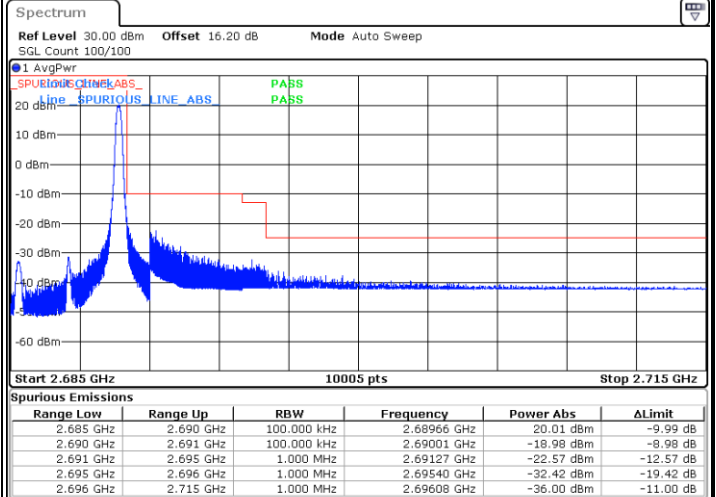
LTE Band 41 / 5MHz / 256QAM

Lowest Band Edge / 1RB



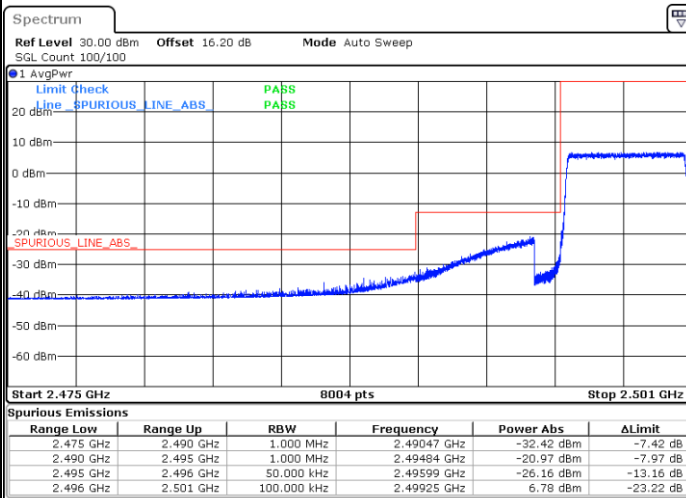
Date: 27.DEC.2023 13:38:58

Highest Band Edge / 1 RB



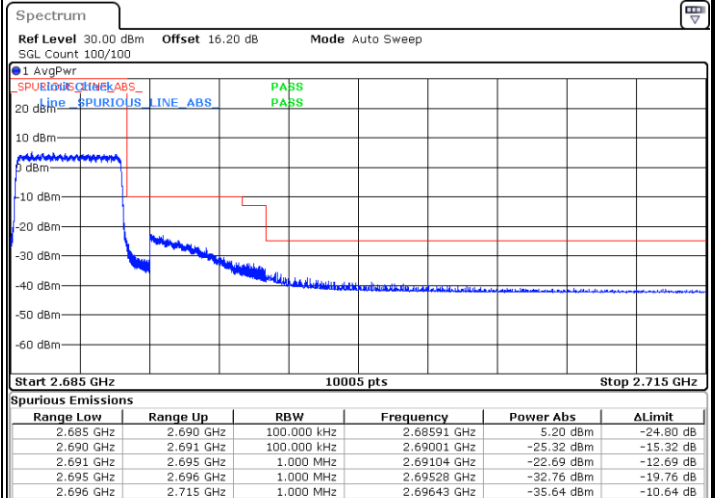
Date: 27.DEC.2023 13:58:11

Lowest Band Edge / Full RB



Date: 27.DEC.2023 13:43:34

Highest Band Edge / Full RB

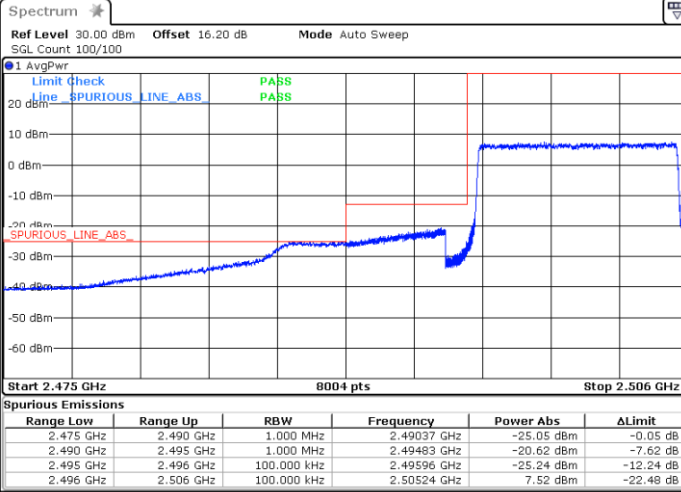


Date: 27.DEC.2023 13:53:48



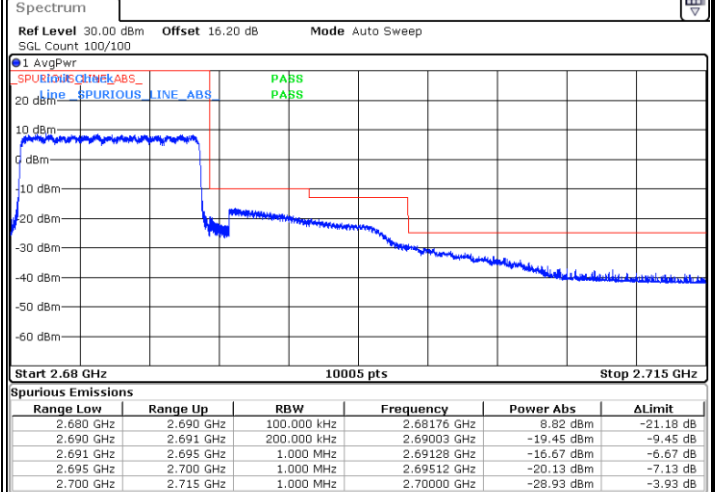
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / Full RB



Date: 27.DEC.2023 15:16:34

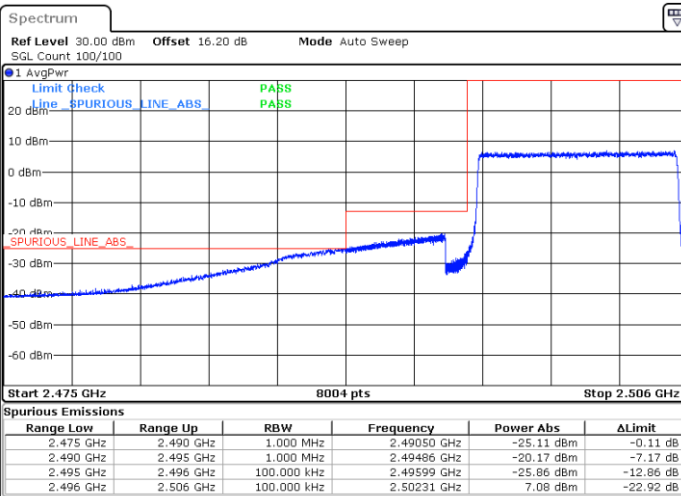
Highest Band Edge / Full RB



Date: 27.DEC.2023 14:07:39

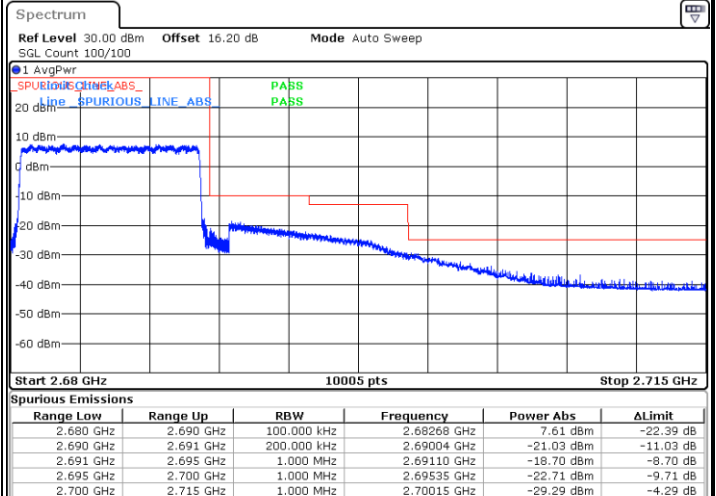
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / Full RB



Date: 27.DEC.2023 14:58:13

Highest Band Edge / Full RB



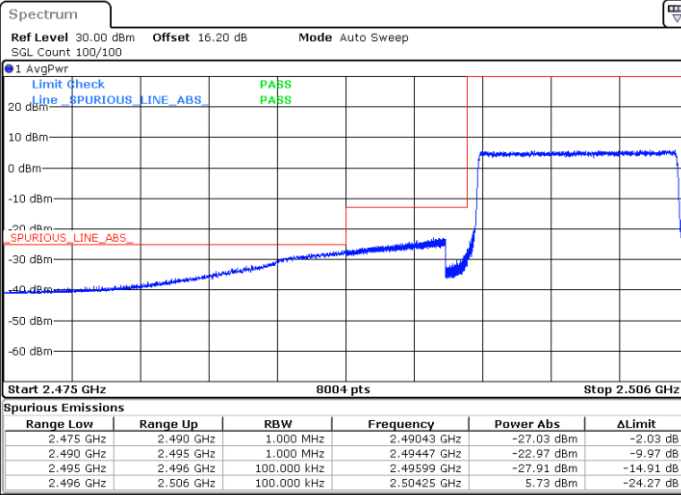
Date: 27.DEC.2023 14:08:31





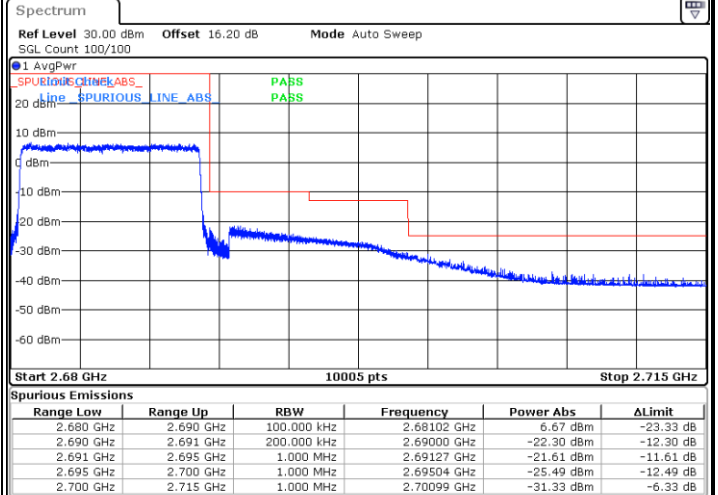
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / Full RB



Date: 27.DEC.2023 14:01:55

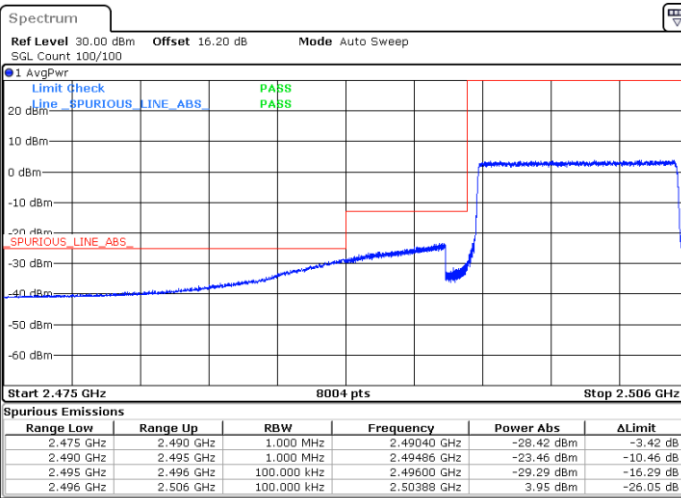
Highest Band Edge / Full RB



Date: 27.DEC.2023 14:09:23

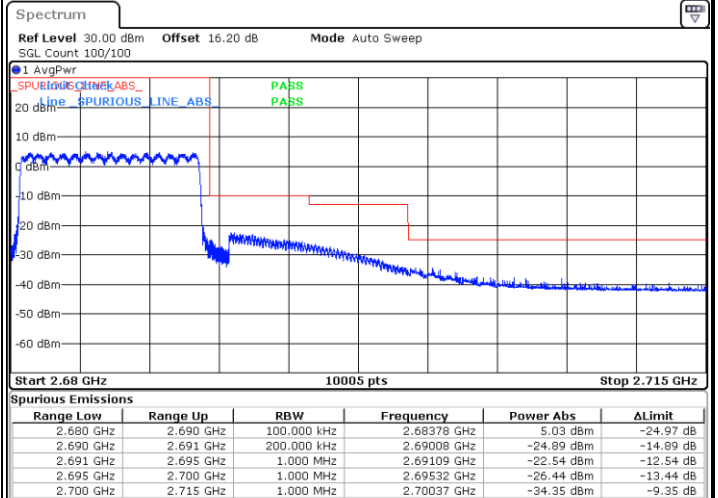
LTE Band 41 / 10MHz / 256QAM

Lowest Band Edge / Full RB



Date: 27.DEC.2023 14:02:47

Highest Band Edge / Full RB

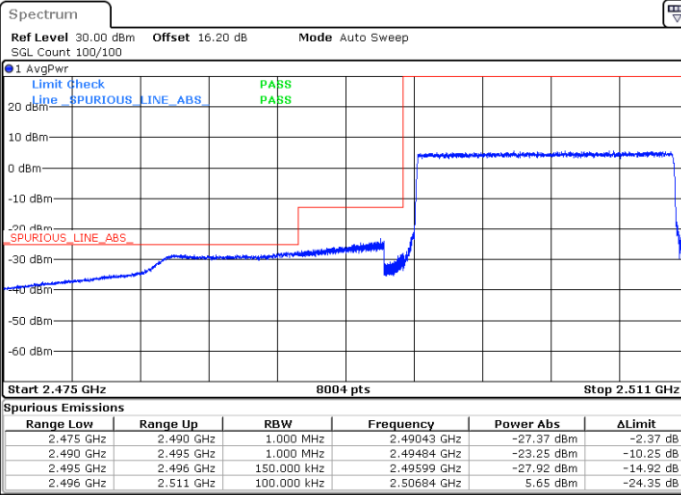


Date: 27.DEC.2023 14:10:15



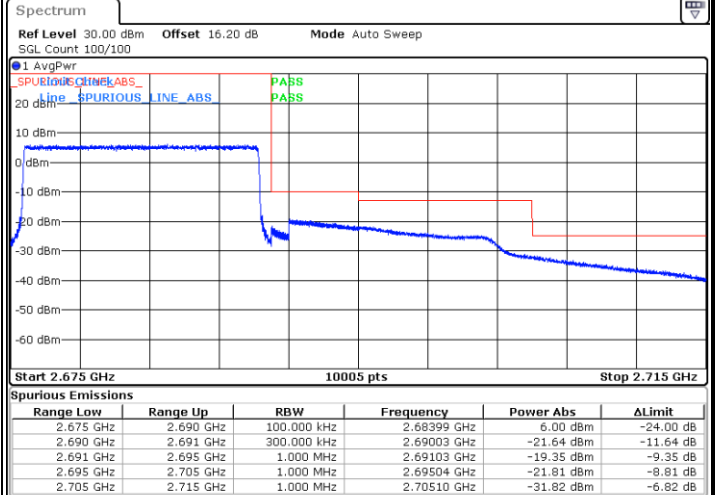
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / Full RB



Date: 27.DEC.2023 15:19:43

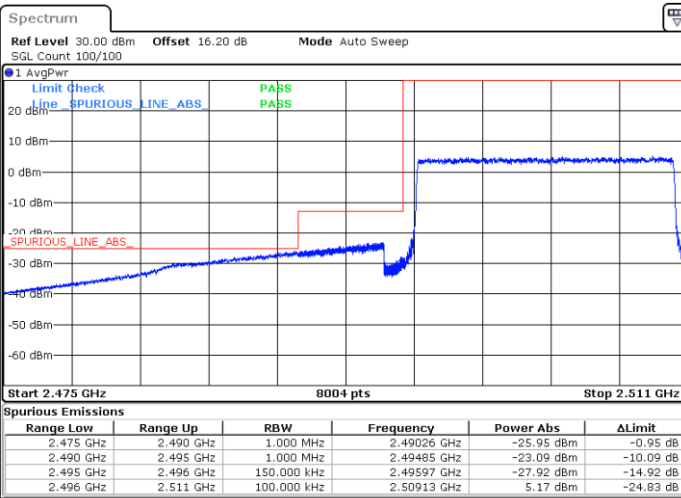
Highest Band Edge / Full RB



Date: 27.DEC.2023 14:28:57

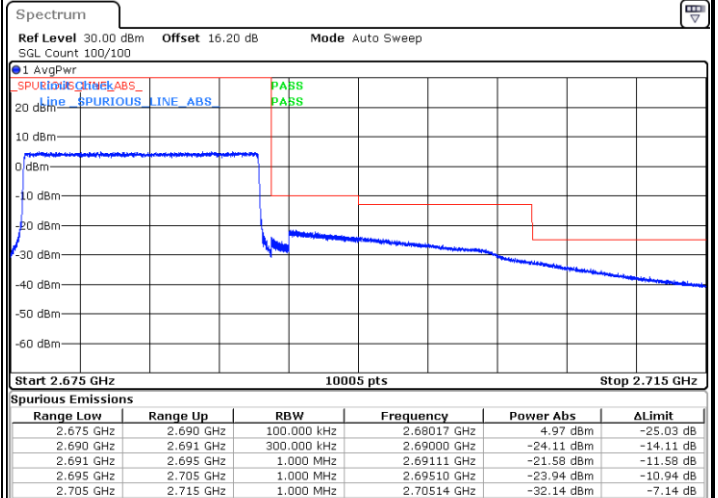
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / Full RB



Date: 27.DEC.2023 14:23:05

Highest Band Edge / Full RB

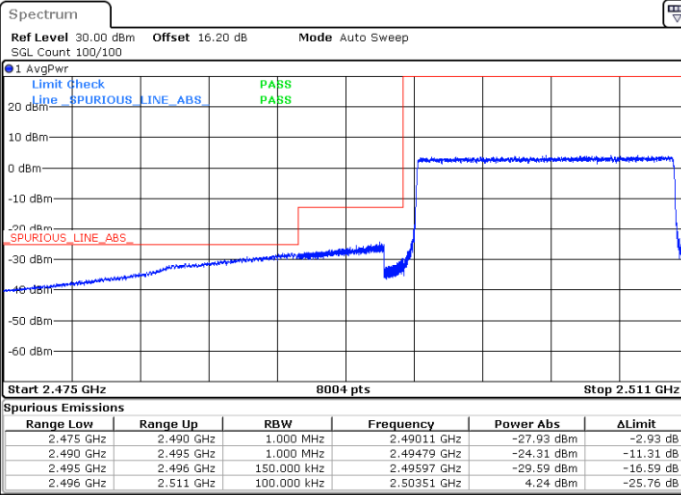


Date: 27.DEC.2023 14:29:49



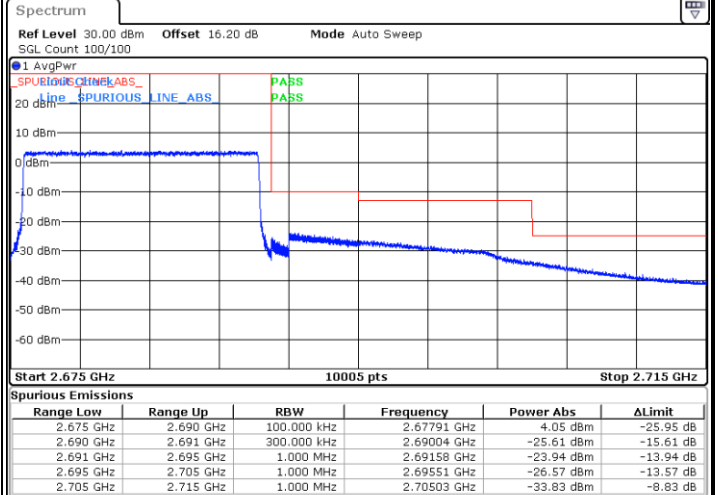
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / Full RB



Date: 27.DEC.2023 14:23:57

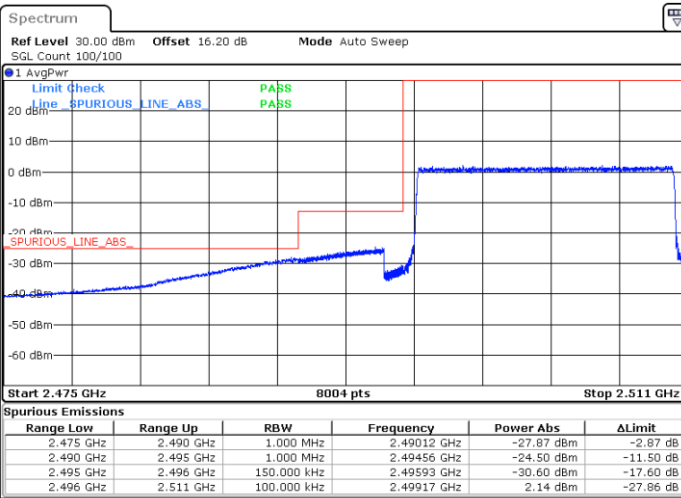
Highest Band Edge / Full RB



Date: 27.DEC.2023 14:30:41

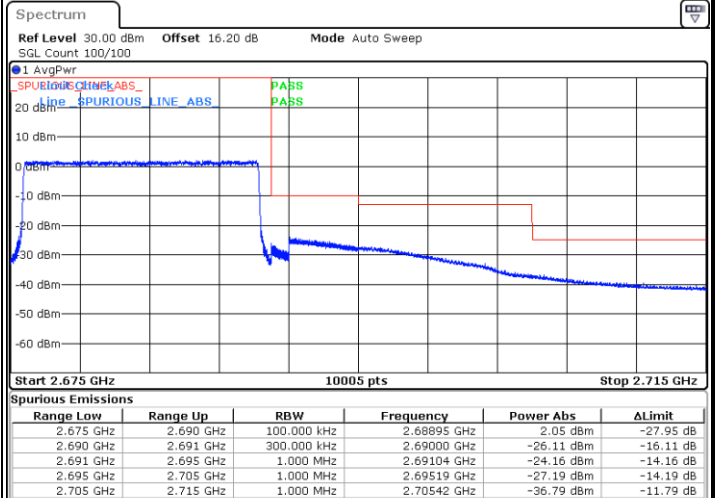
LTE Band 41 / 15MHz / 256QAM

Lowest Band Edge / Full RB



Date: 27.DEC.2023 14:24:49

Highest Band Edge / Full RB

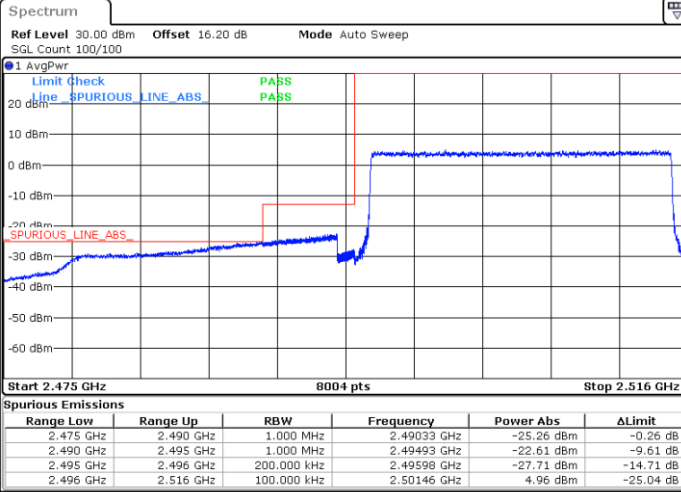


Date: 27.DEC.2023 14:31:33



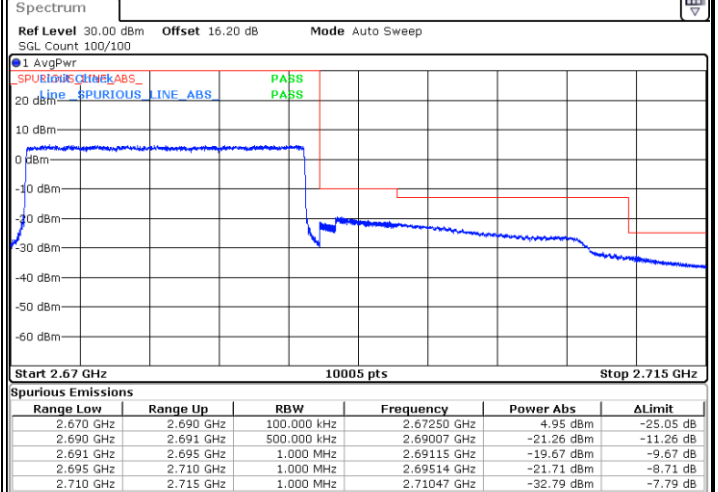
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / Full RB



Date: 27.DEC.2023 14:34:26

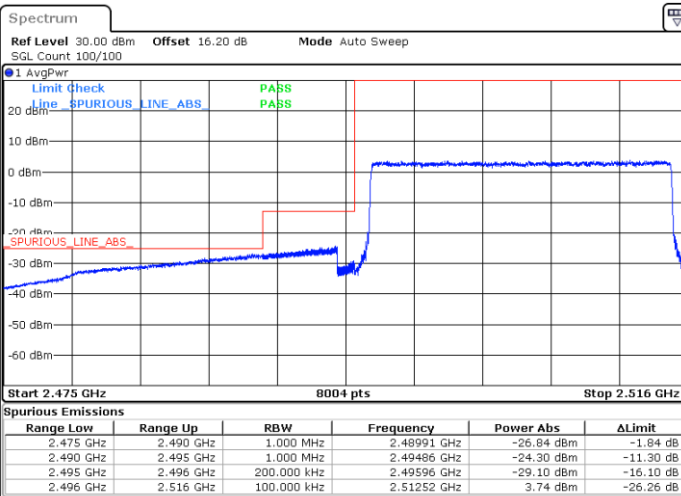
Highest Band Edge / Full RB



Date: 27.DEC.2023 14:42:44

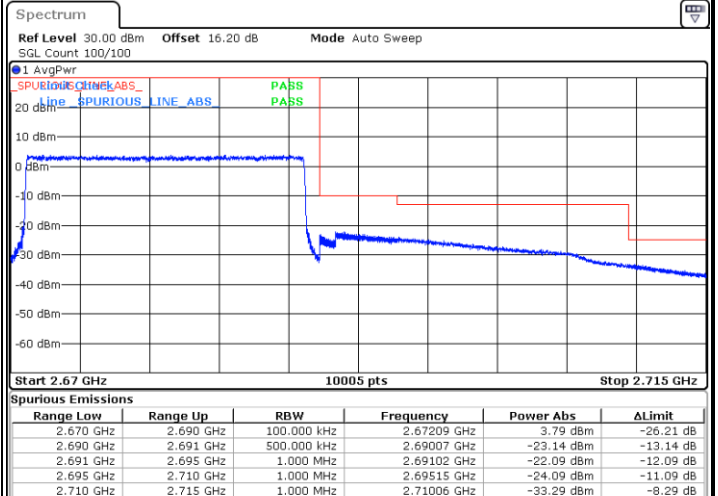
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / Full RB



Date: 27.DEC.2023 14:35:18

Highest Band Edge / Full RB

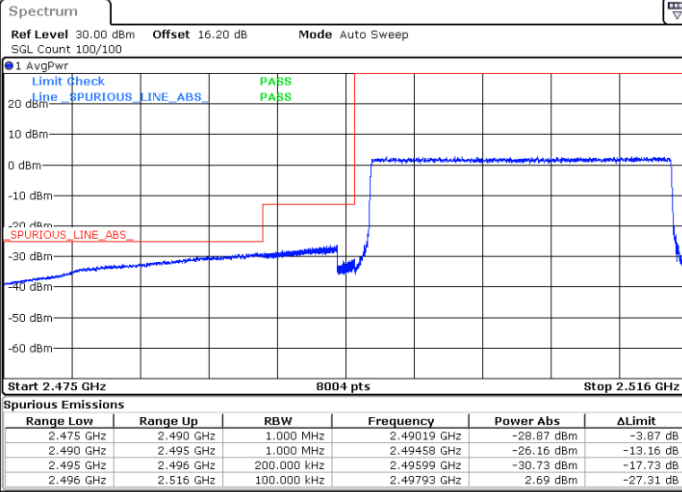


Date: 27.DEC.2023 14:43:36



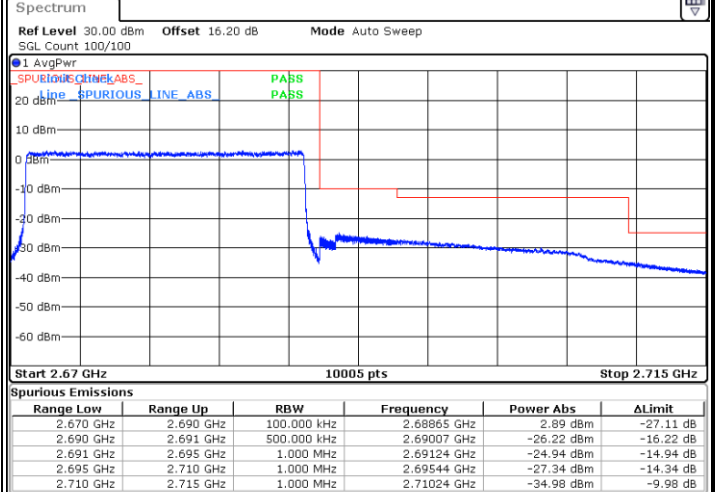
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / Full RB



Date: 27.DEC.2023 14:36:10

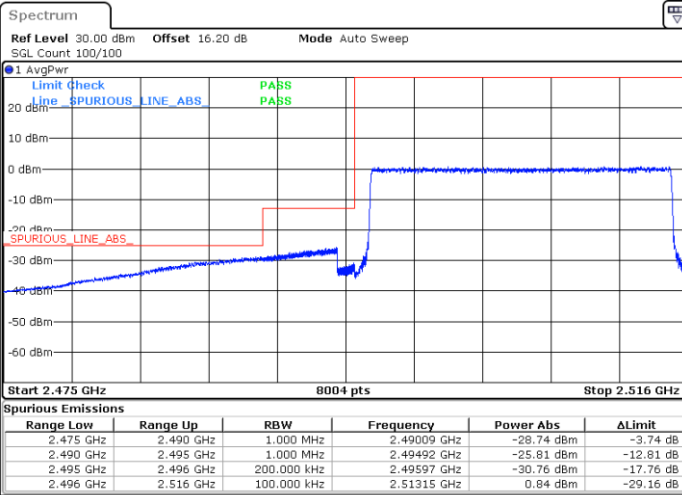
Highest Band Edge / Full RB



Date: 27.DEC.2023 14:44:28

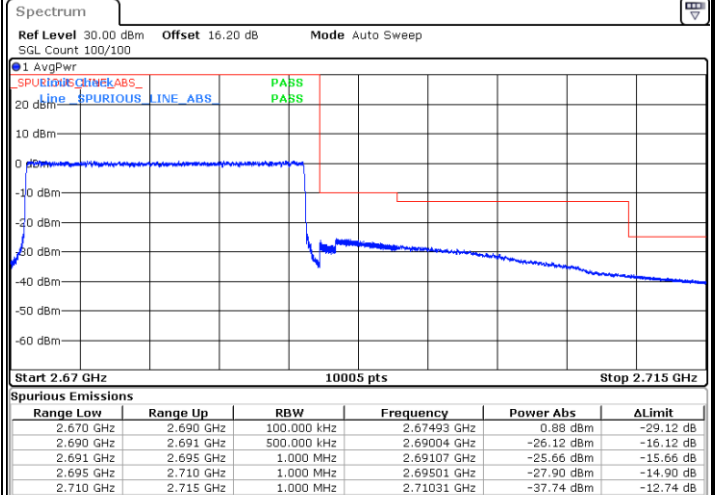
LTE Band 41 / 20MHz / 256QAM

Lowest Band Edge / Full RB



Date: 27.DEC.2023 14:37:02

Highest Band Edge / Full RB



Date: 27.DEC.2023 14:45:20

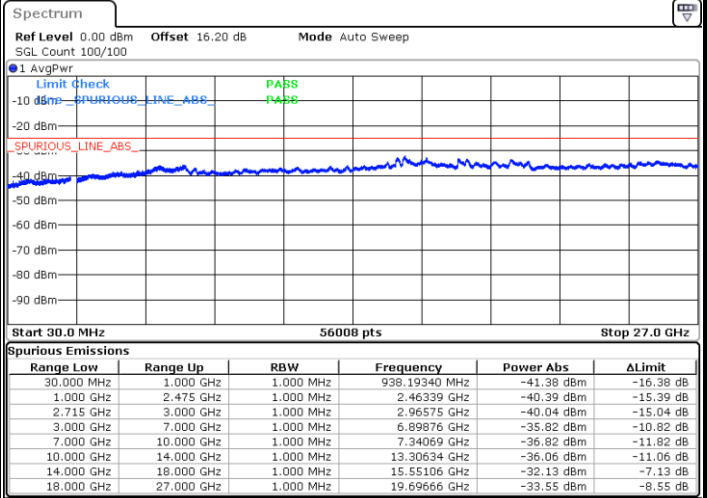
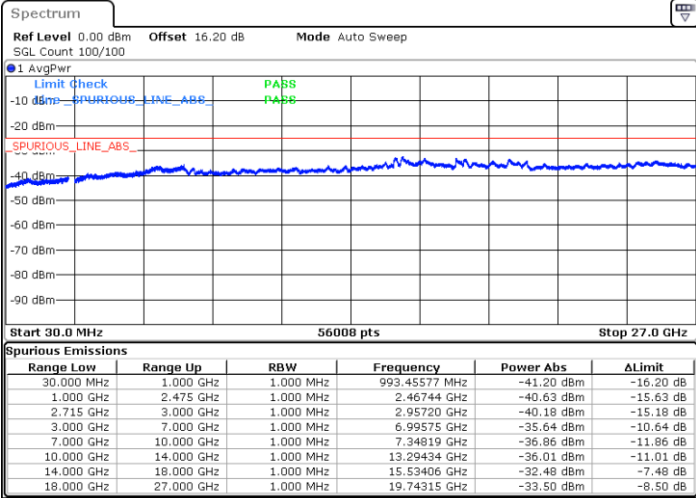


# Conducted Spurious Emission

## LTE Band 41 / 5MHz

### Lowest Channel / QPSK

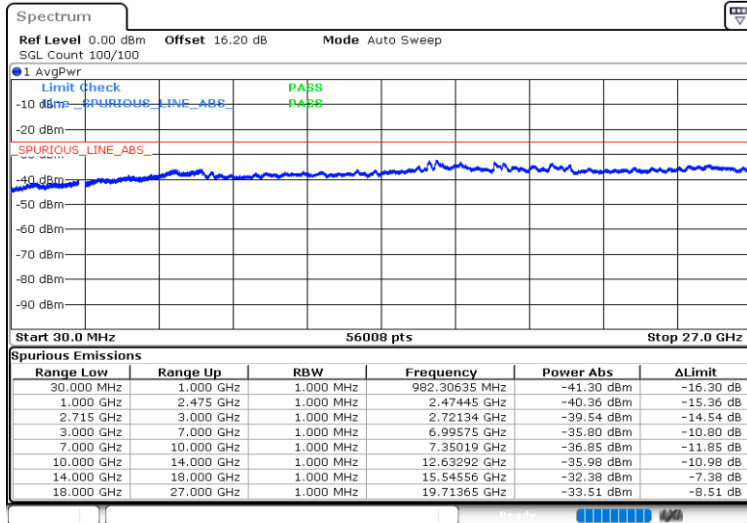
### Middle Channel / QPSK



Date: 27.DEC.2023 13:40:05

Date: 27.DEC.2023 13:45:34

### Highest Channel / QPSK



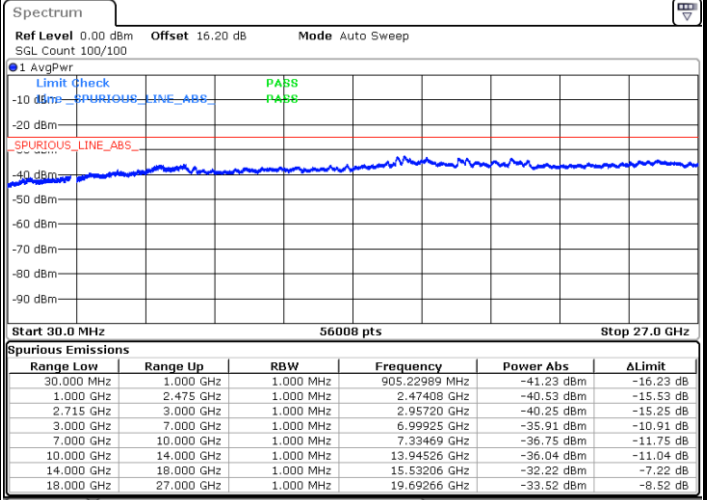
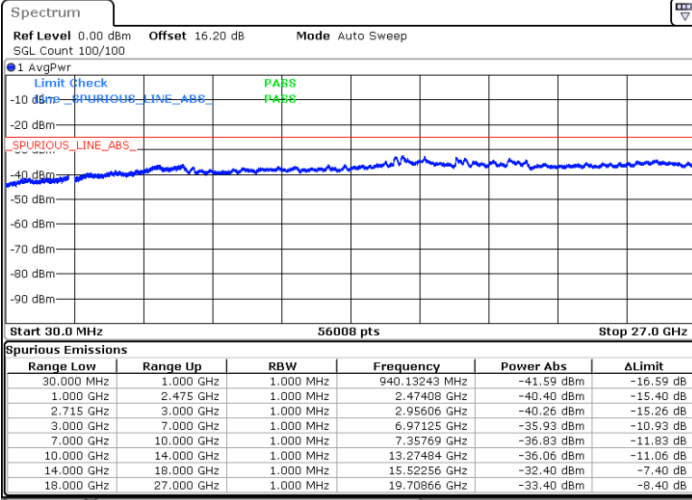
Date: 27.DEC.2023 13:59:19



LTE Band 41 / 10MHz

Lowest Channel / QPSK

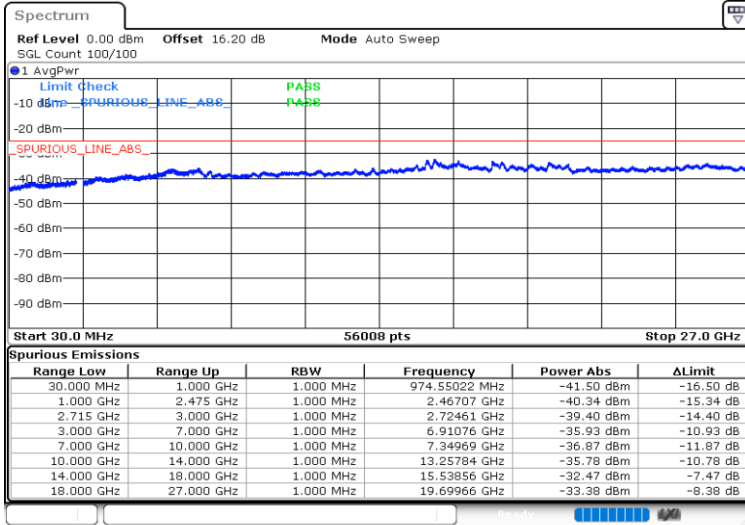
Middle Channel / QPSK



Date: 27.DEC.2023 14:46:49

Date: 27.DEC.2023 14:47:53

Highest Channel / QPSK



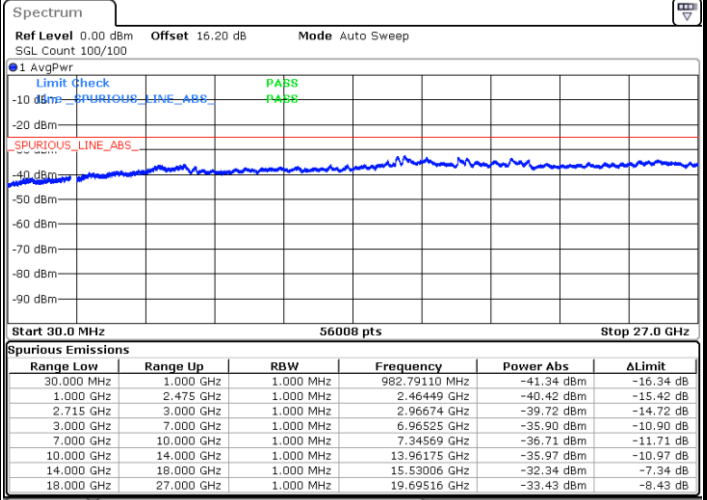
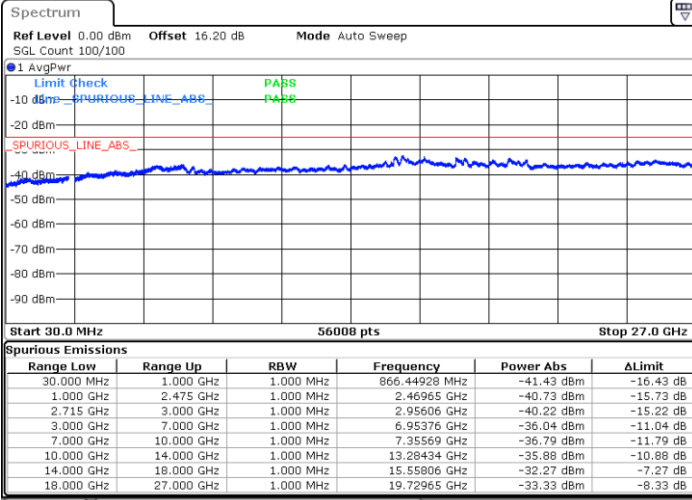
Date: 27.DEC.2023 14:48:56



LTE Band 41 / 15MHz

Lowest Channel / QPSK

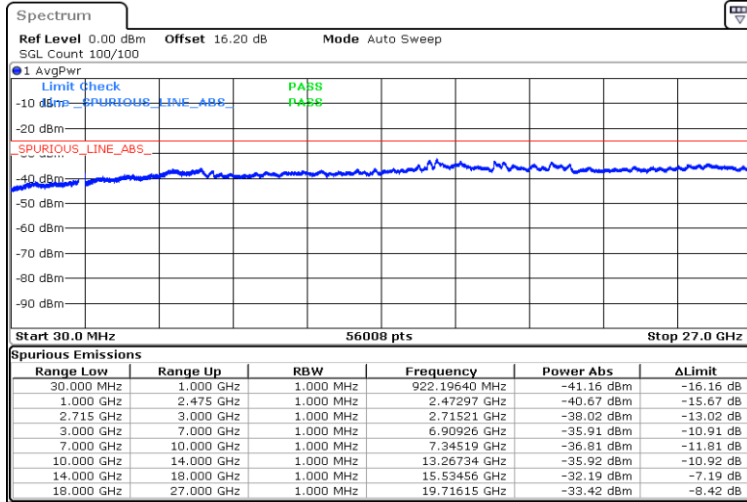
Middle Channel / QPSK



Date: 27.DEC.2023 14:50:01

Date: 27.DEC.2023 14:51:05

Highest Channel / QPSK



Date: 27.DEC.2023 14:52:08

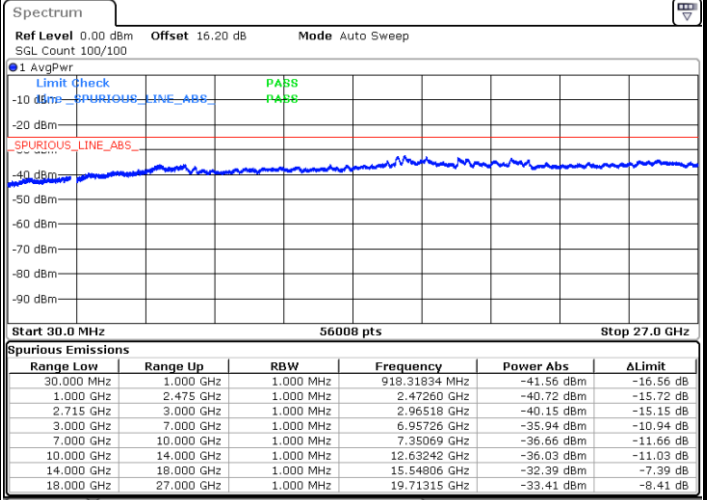
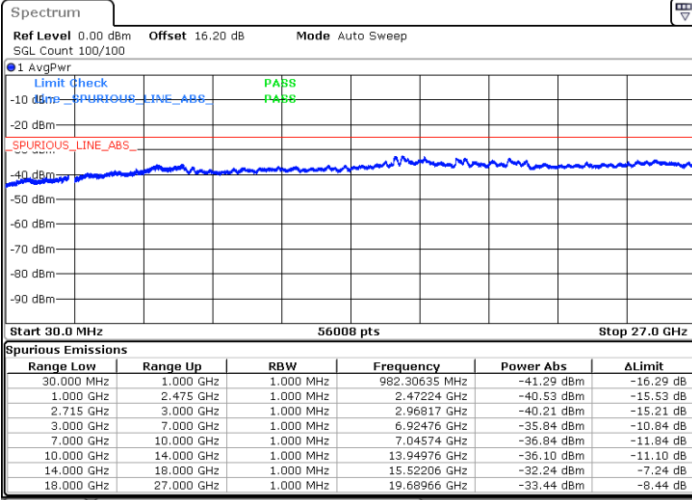




LTE Band 41 / 20MHz

Lowest Channel / QPSK

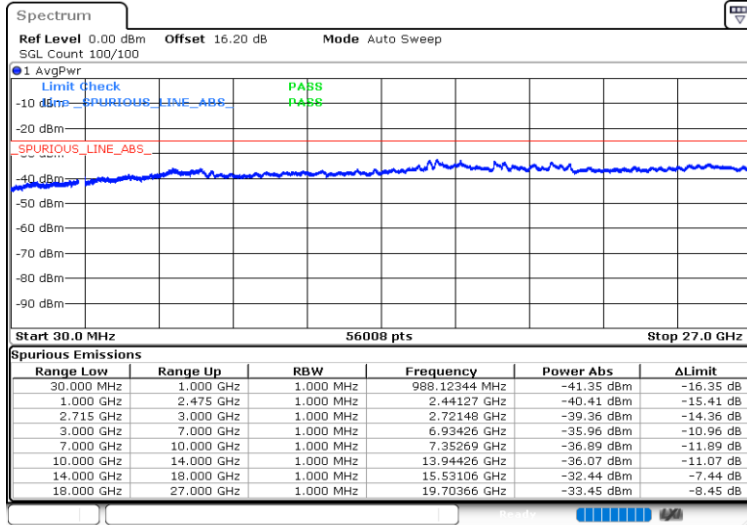
Middle Channel / QPSK



Date: 27.DEC.2023 14:53:13

Date: 27.DEC.2023 14:54:16

Highest Channel / QPSK



Date: 27.DEC.2023 14:55:20



### 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	0.0029	PASS
40	Normal Voltage	0.0029	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0029	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0020	
-20	Normal Voltage	0.0036	
-30	Normal Voltage	0.0022	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0024	

**Note:**

- 1. Normal Voltage = 3.8 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.2 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	24.92	25.32	29.96	25.42	30.74
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.89	25.17	30.21	35.03	39.88

Mode	LTE Band 41C : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.97	25.42	29.85	25.37	30.86
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.82	24.97	30.08	34.96	39.96

Mode	LTE Band 41C : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.87	25.37	29.96	25.42	30.62
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.89	25.02	30.08	35.03	39.88

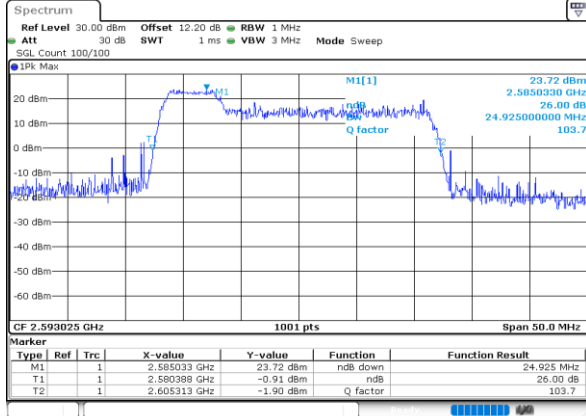
Mode	LTE Band 41C : 26dB BW(MHz)				
256QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.87	25.32	29.78	25.42	30.62
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.96	25.07	30.14	35.03	39.88



LTE Band 41C

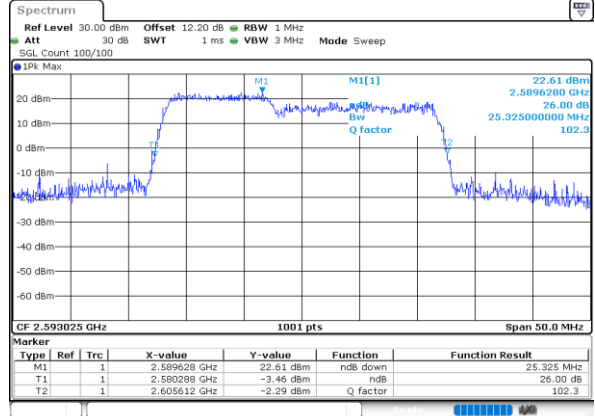
QPSK

Middle Channel / 5MHz+20MHz



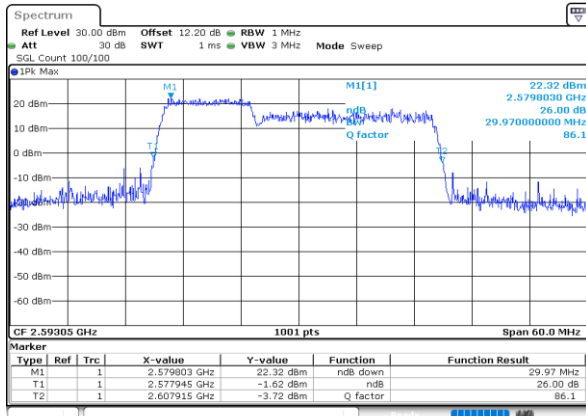
Date: 27\_DEC.2023 22:49:23

Middle Channel / 10MHz+15MHz



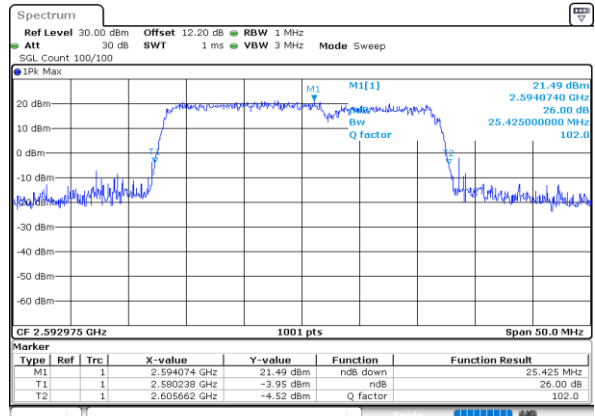
Date: 27\_DEC.2023 22:56:56

Middle Channel / 10MHz+20MHz



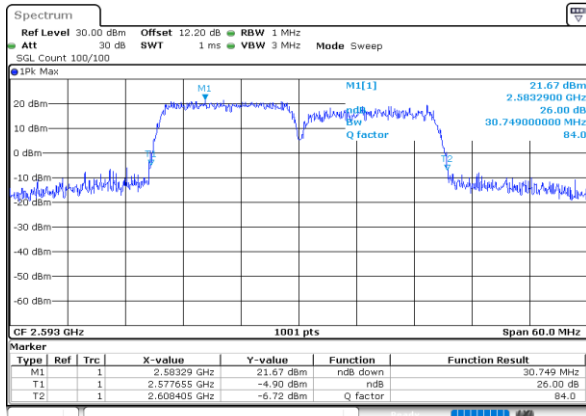
Date: 27\_DEC.2023 23:03:57

Middle Channel / 15MHz+10MHz



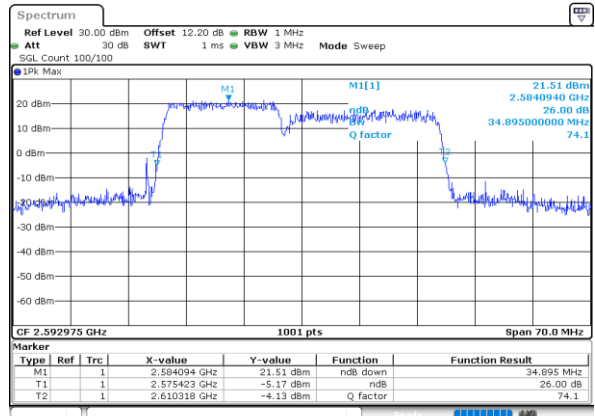
Date: 27\_DEC.2023 23:00:25

Middle Channel / 15MHz+15MHz



Date: 27\_DEC.2023 23:11:46

Middle Channel / 15MHz+20MHz

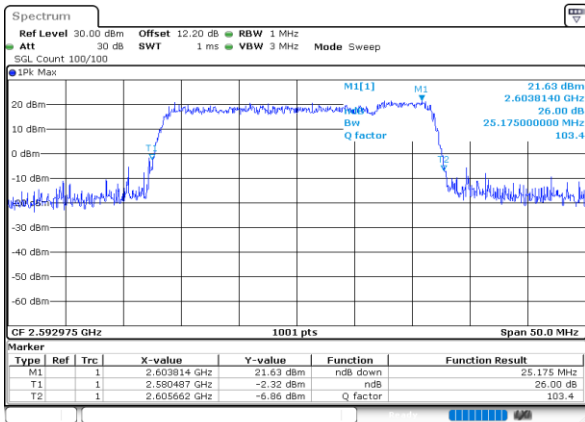


Date: 27\_DEC.2023 23:15:14



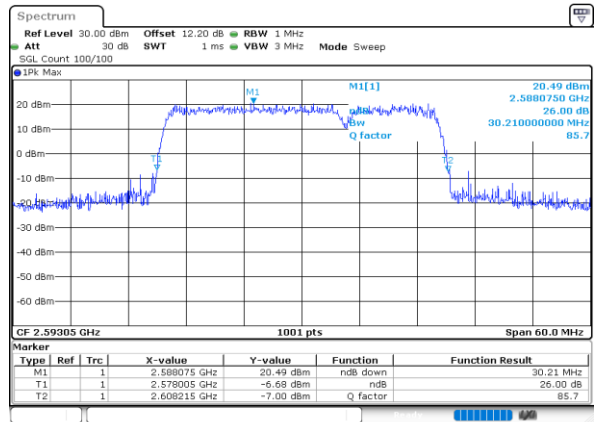
LTE Band 41C

Middle Channel / 20MHz+5MHz



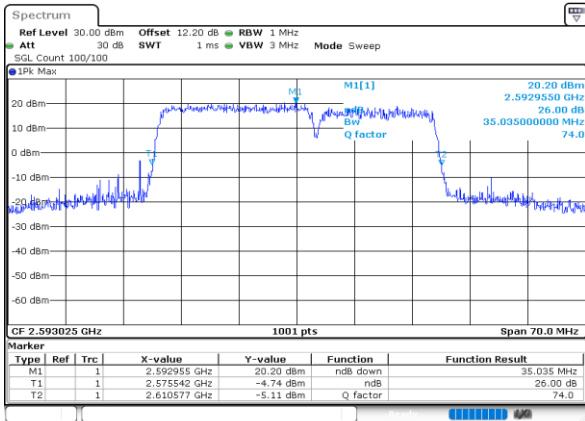
Date: 27.DEC.2023 22:52:53

Middle Channel / 20MHz+10MHz



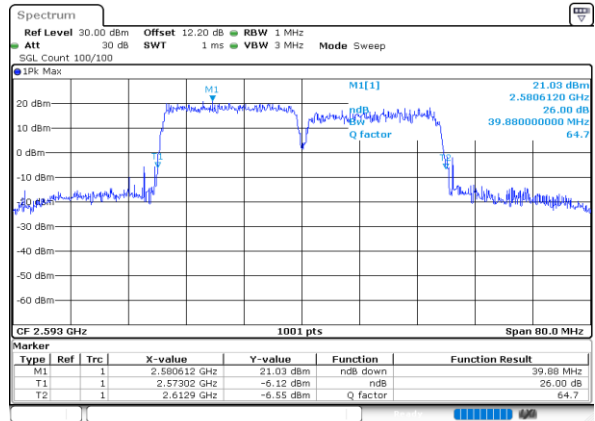
Date: 27.DEC.2023 23:07:57

Middle Channel / 20MHz+15MHz



Date: 27.DEC.2023 23:18:43

Middle Channel / 20MHz+20MHz

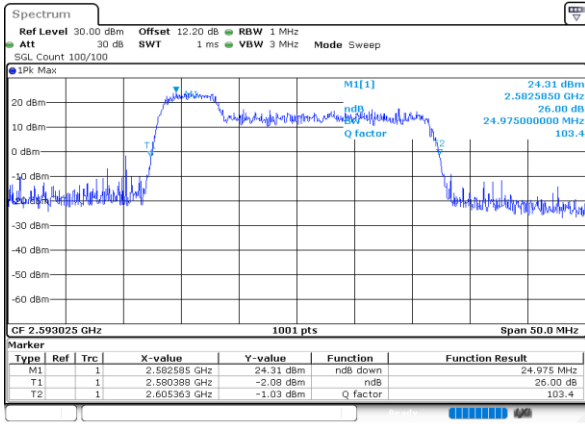


Date: 27.DEC.2023 23:22:08



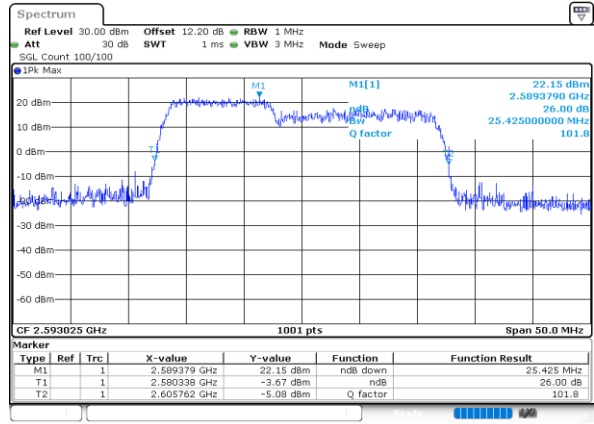
LTE Band 41C

Middle Channel / 5MHz+20MHz



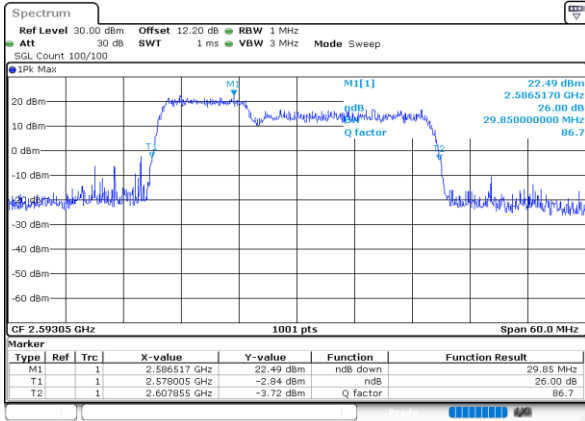
Date: 27 DEC 2023 22:48:50

Middle Channel / 10MHz+15MHz



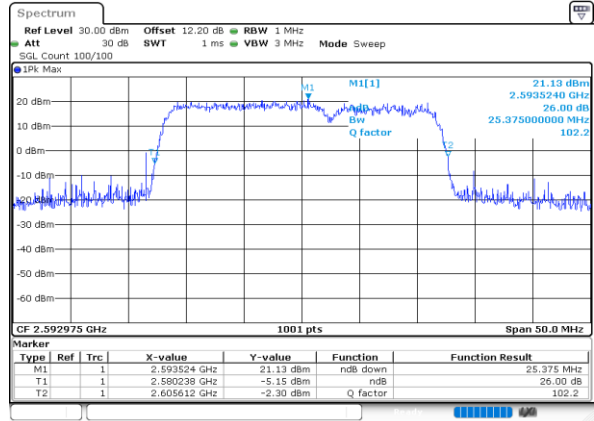
Date: 27 DEC 2023 22:56:31

Middle Channel / 10MHz+20MHz



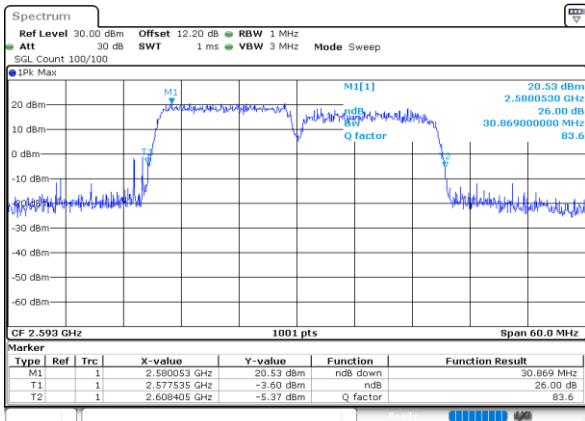
Date: 27 DEC 2023 23:03:32

Middle Channel / 15MHz+10MHz



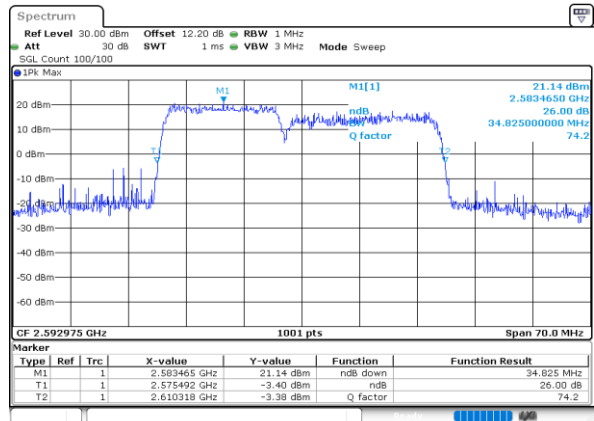
Date: 27 DEC 2023 23:10:00

Middle Channel / 15MHz+15MHz



Date: 27 DEC 2023 23:11:23

Middle Channel / 15MHz+20MHz



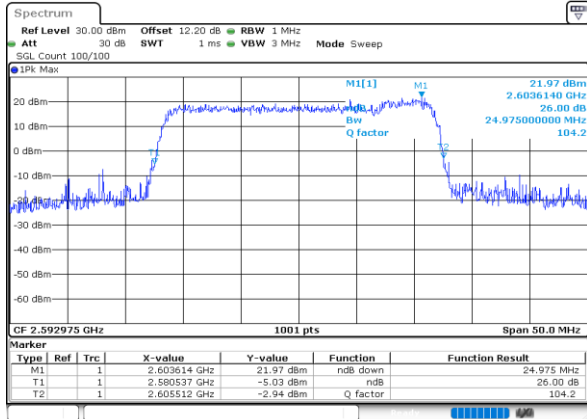
Date: 27 DEC 2023 23:14:48



LTE Band 41C

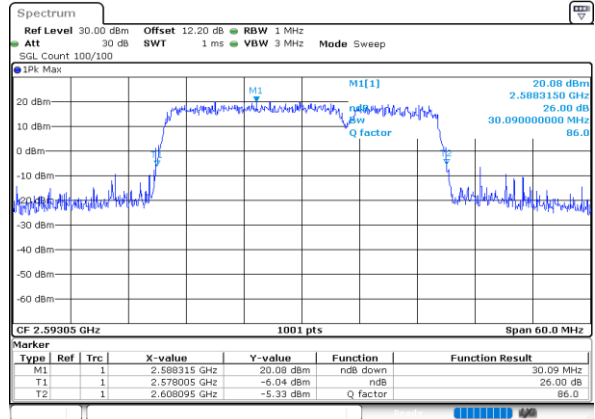
16QAM

Middle Channel / 20MHz+5MHz



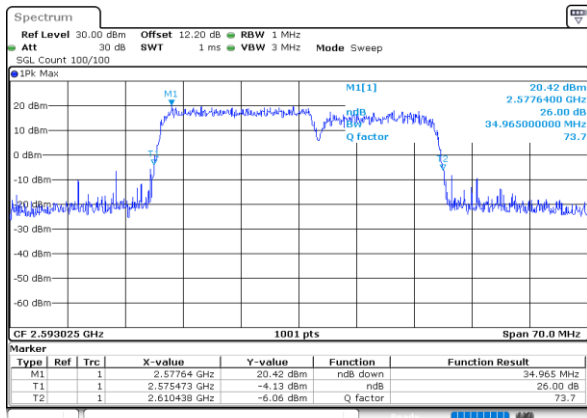
Date: 27. DEC. 2023 22:52:27

Middle Channel / 20MHz+10MHz



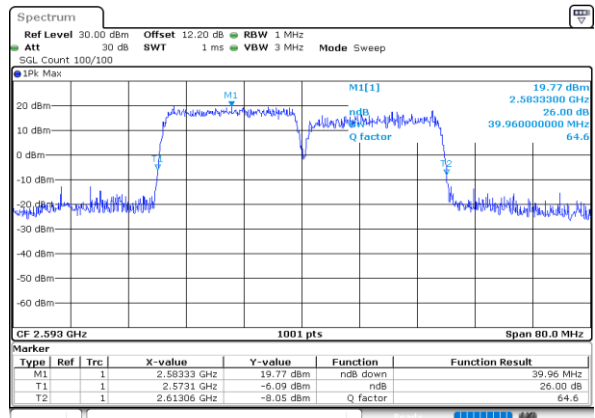
Date: 27. DEC. 2023 23:07:32

Middle Channel / 20MHz+15MHz



Date: 27. DEC. 2023 23:18:17

Middle Channel / 20MHz+20MHz



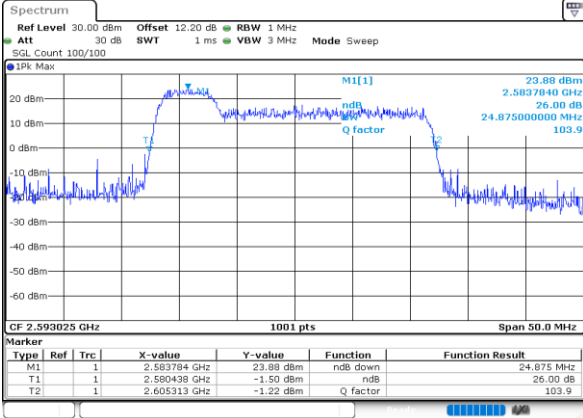
Date: 27. DEC. 2023 23:21:43



LTE Band 41C

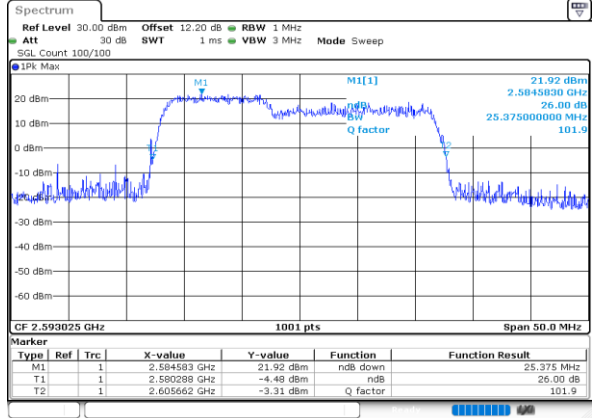
64QAM

Middle Channel / 5MHz+20MHz



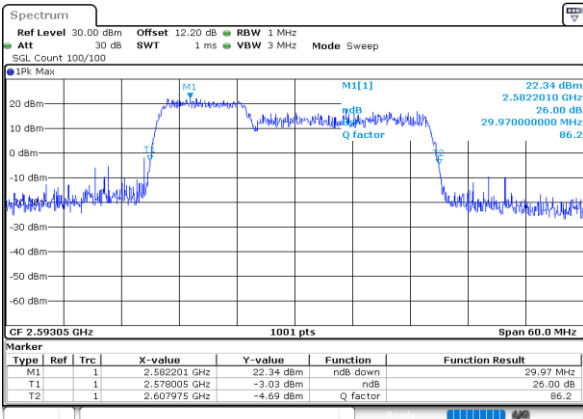
Date: 27. DEC. 2023 22:48:33

Middle Channel / 10MHz+15MHz



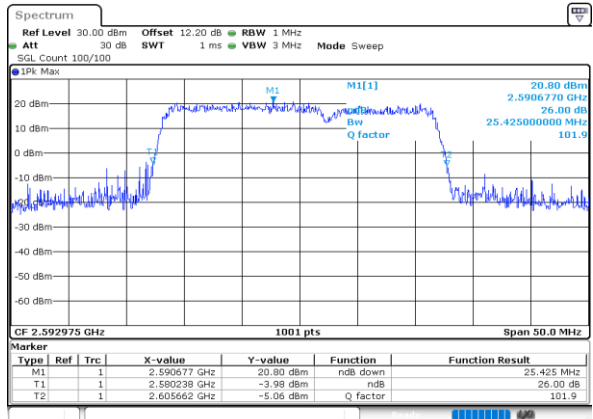
Date: 27. DEC. 2023 22:56:05

Middle Channel / 10MHz+20MHz



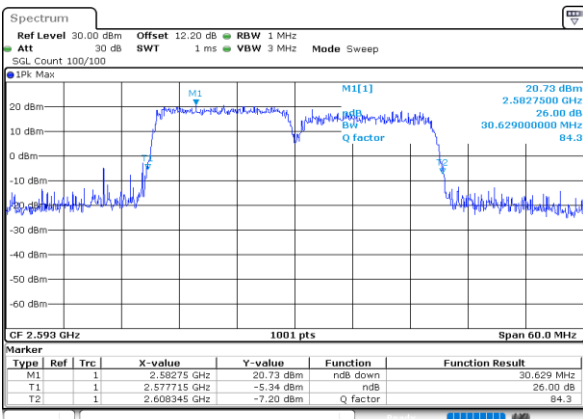
Date: 27. DEC. 2023 23:03:07

Middle Channel / 15MHz+10MHz



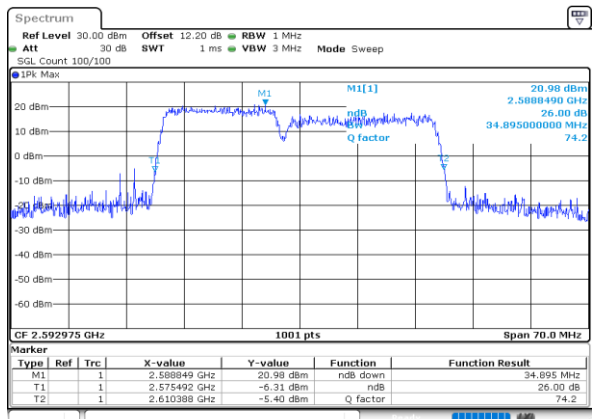
Date: 27. DEC. 2023 22:59:34

Middle Channel / 15MHz+15MHz



Date: 27. DEC. 2023 23:10:57

Middle Channel / 15MHz+20MHz



Date: 27. DEC. 2023 23:14:23

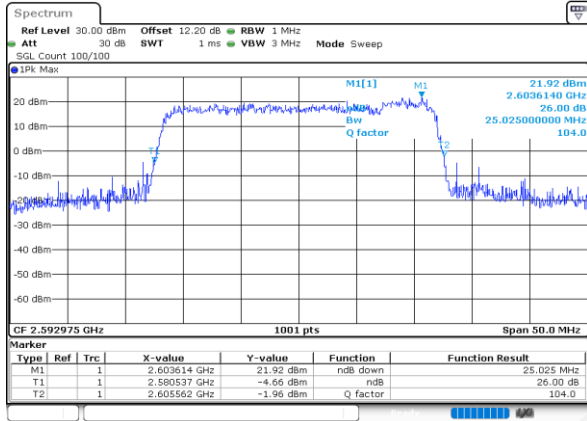




LTE Band 41C

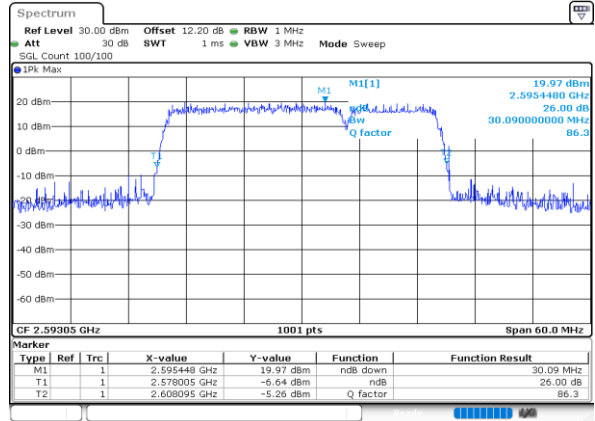
64QAM

Middle Channel / 20MHz+5MHz



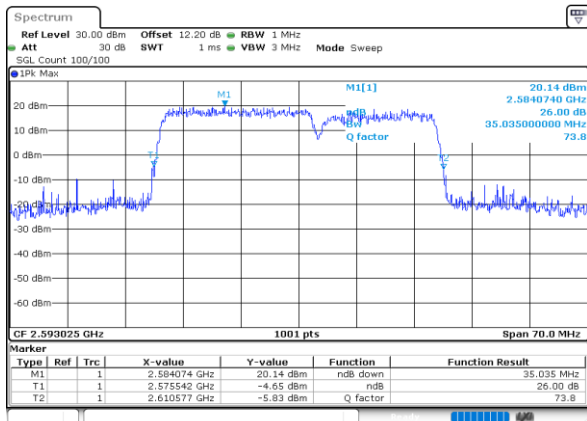
Date: 27 DEC 2023 22:52:02

Middle Channel / 20MHz+10MHz



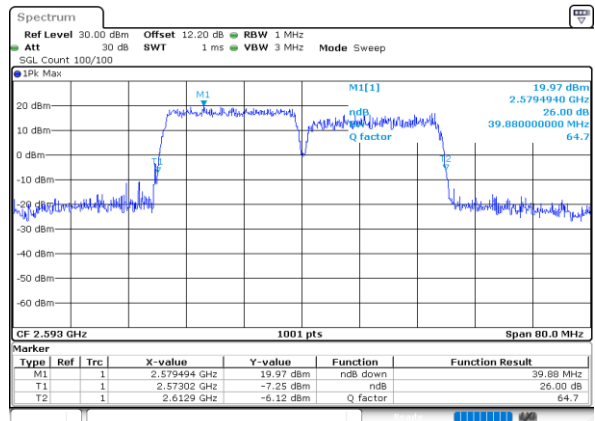
Date: 27 DEC 2023 23:07:06

Middle Channel / 20MHz+15MHz



Date: 27 DEC 2023 23:17:52

Middle Channel / 20MHz+20MHz



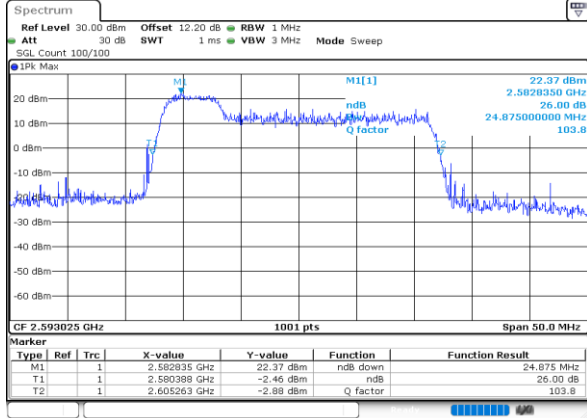
Date: 27 DEC 2023 23:21:17



LTE Band 41C

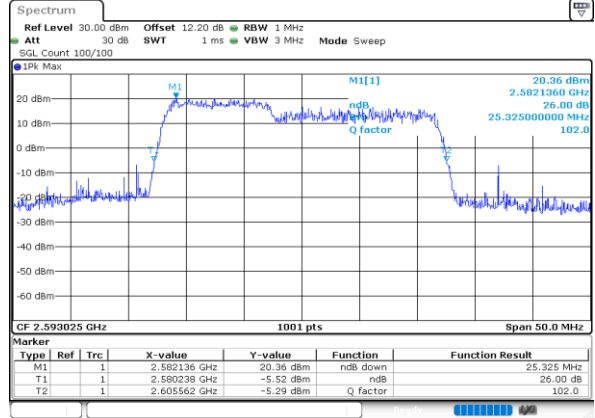
256QAM

Middle Channel / 5MHz+20MHz



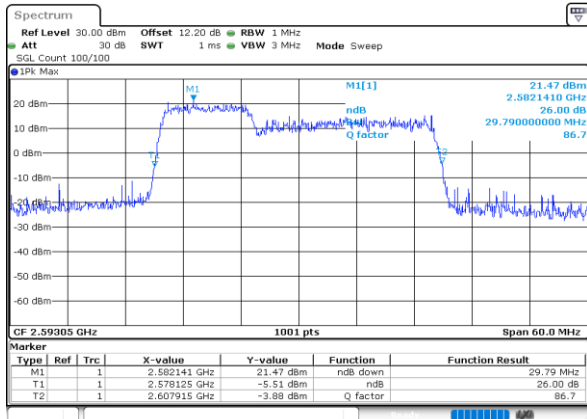
Date: 27 DEC 2023 22:48:07

Middle Channel / 10MHz+15MHz



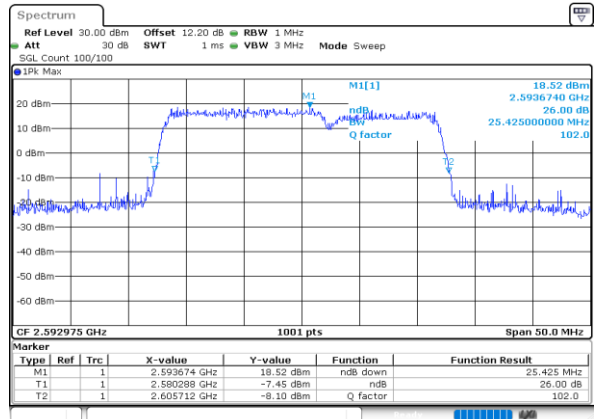
Date: 27 DEC 2023 22:55:40

Middle Channel / 10MHz+20MHz



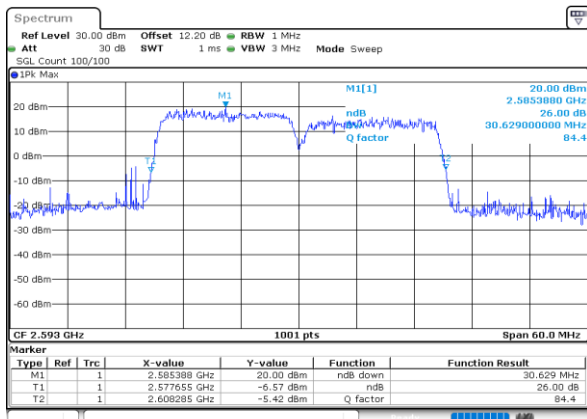
Date: 27 DEC 2023 23:02:41

Middle Channel / 15MHz+10MHz



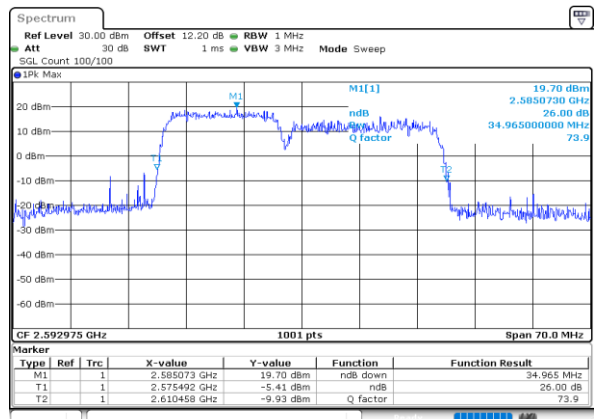
Date: 27 DEC 2023 22:59:09

Middle Channel / 15MHz+15MHz



Date: 27 DEC 2023 23:10:32

Middle Channel / 15MHz+20MHz



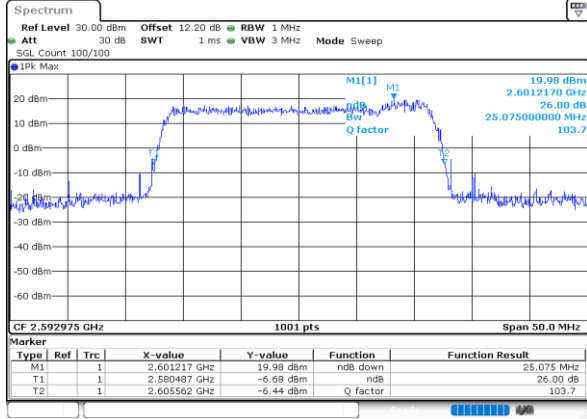
Date: 27 DEC 2023 23:13:58



LTE Band 41C

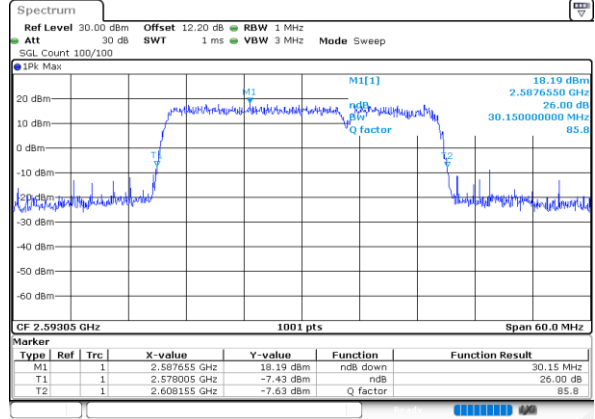
256QAM

Middle Channel / 20MHz+5MHz



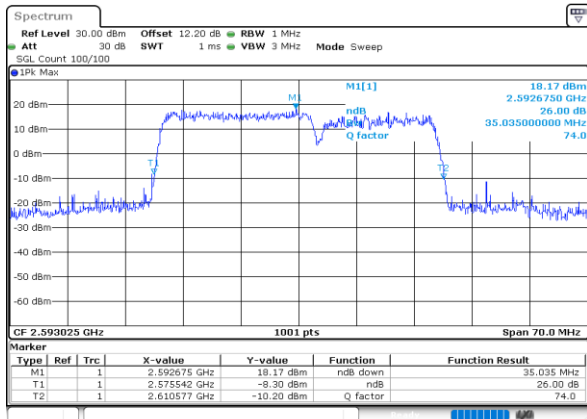
Date: 27.DEC.2023 22:51:36

Middle Channel / 20MHz+10MHz



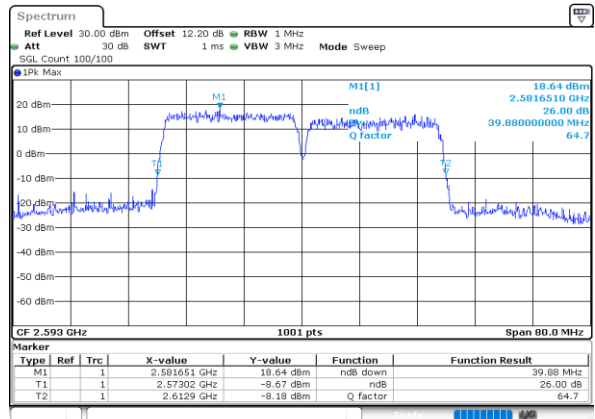
Date: 27.DEC.2023 23:06:41

Middle Channel / 20MHz+15MHz



Date: 27.DEC.2023 23:17:26

Middle Channel / 20MHz+20MHz



Date: 27.DEC.2023 23:20:52



Occupied Bandwidth

Mode	LTE Band 41C : 99%OBW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	23.37	23.52	28.11	23.47	28.59
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	32.93	23.17	28.05	32.79	37.80

Mode	LTE Band 41C : 99%OBW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	23.27	23.62	27.99	23.47	28.47
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	32.86	23.32	27.99	32.86	37.88

Mode	LTE Band 41C : 99%OBW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	23.22	23.47	28.05	23.52	28.47
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	32.86	23.32	28.11	32.93	37.72

Mode	LTE Band 41C : 99%OBW(MHz)				
256QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	23.32	23.52	27.93	23.37	28.59
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	32.93	23.17	28.11	32.79	37.72