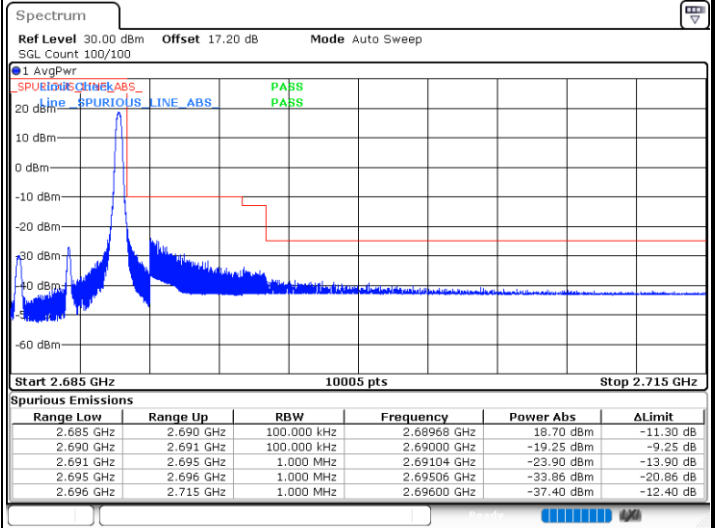
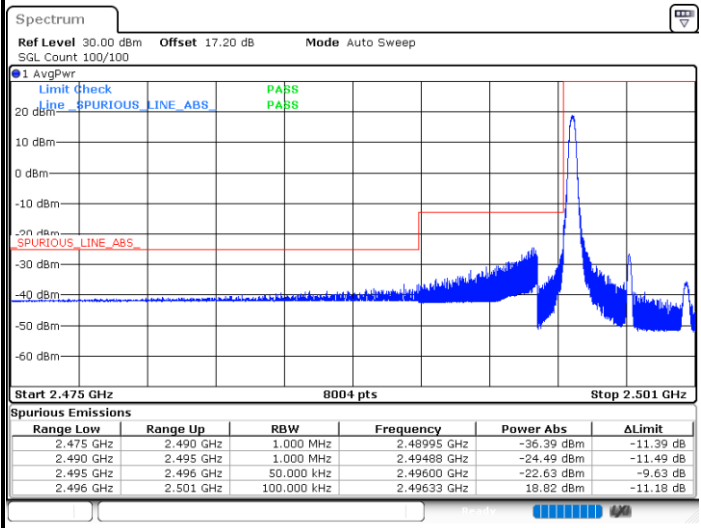




LTE Band 41 / 5MHz / 256QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

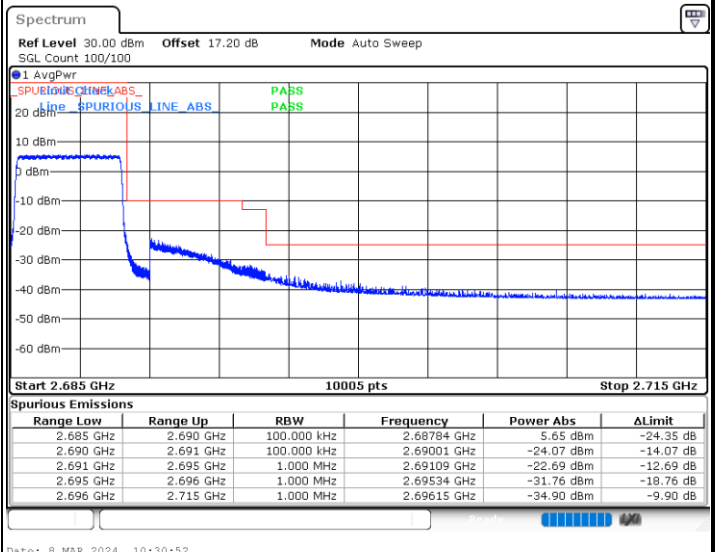
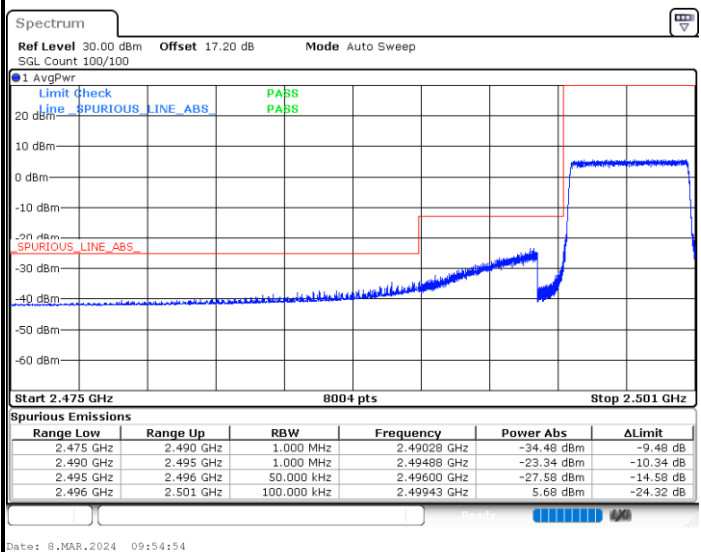


Date: 8.MAR.2024 09:50:10

Date: 8.MAR.2024 11:31:41

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



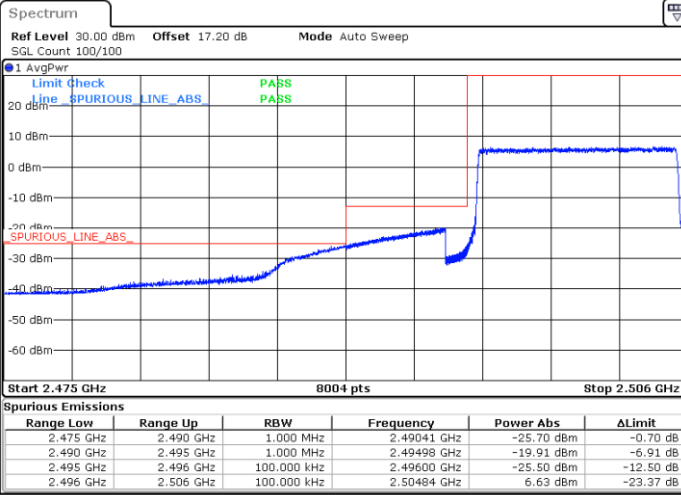
Date: 8.MAR.2024 09:54:54

Date: 8.MAR.2024 10:30:52



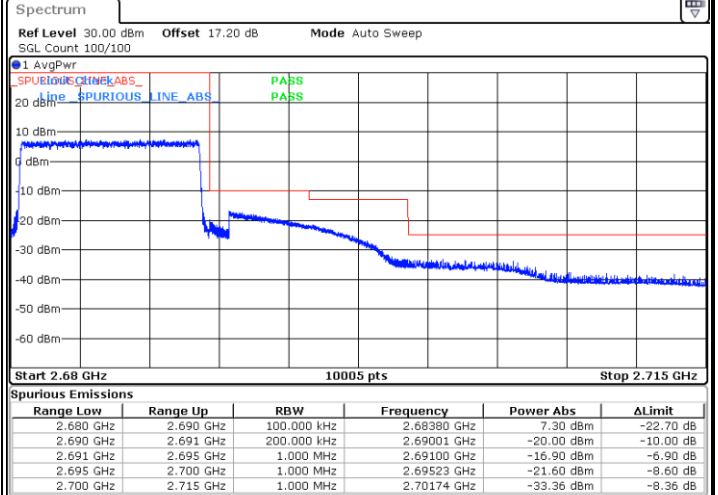
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / Full RB



Date: 8.MAR.2024 10:42:43

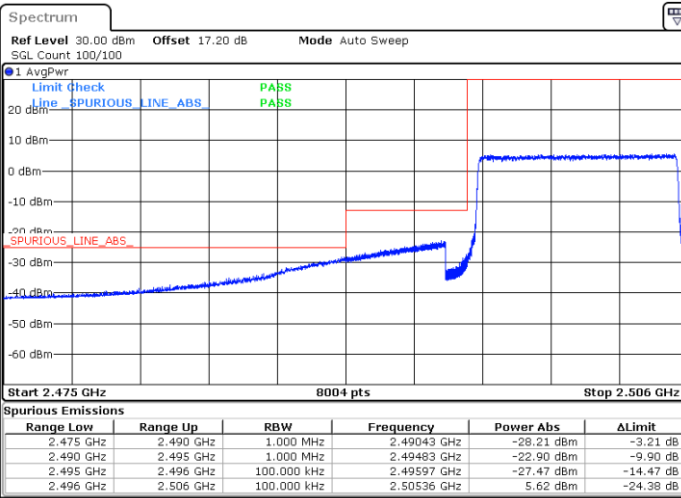
Highest Band Edge / Full RB



Date: 8.MAR.2024 10:52:38

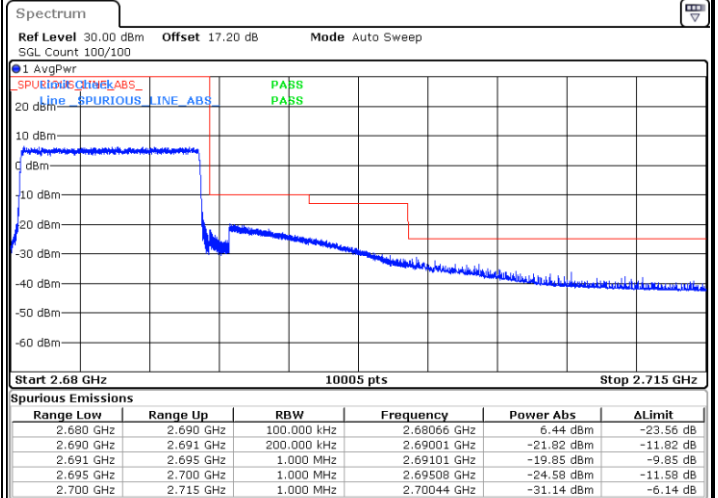
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / Full RB



Date: 8.MAR.2024 10:43:35

Highest Band Edge / Full RB

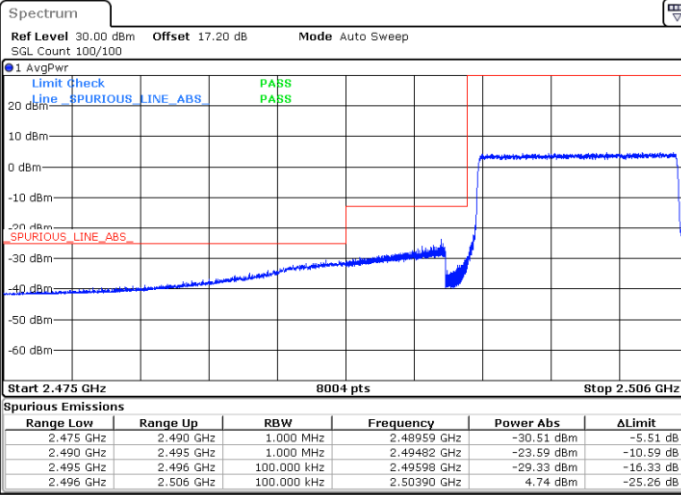


Date: 8.MAR.2024 10:53:30



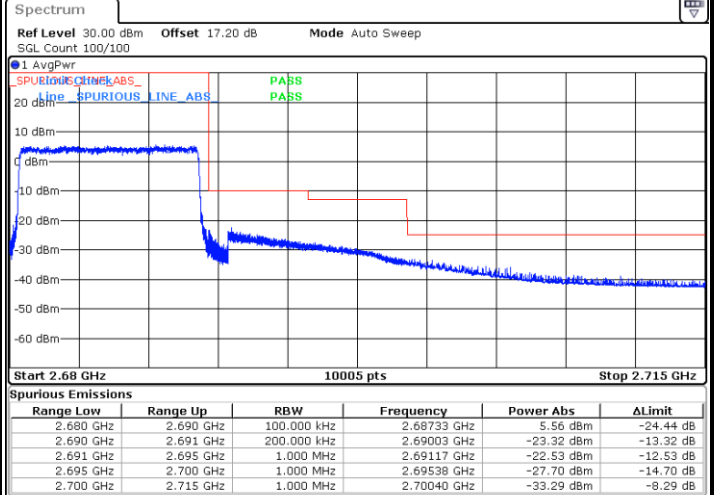
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / Full RB



Date: 8.MAR.2024 10:44:27

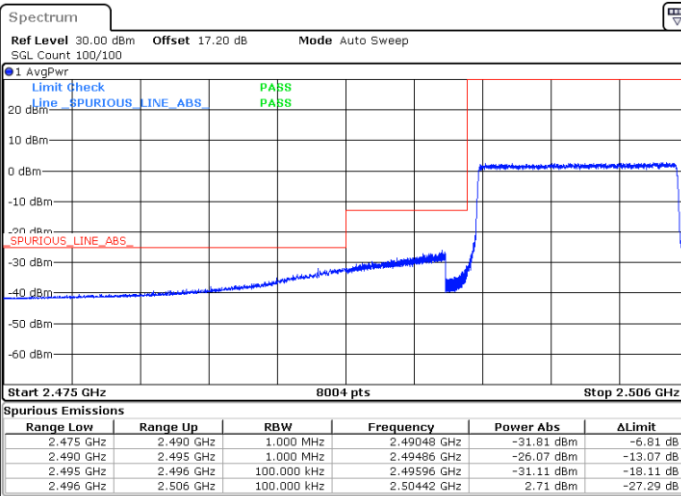
Highest Band Edge / Full RB



Date: 8.MAR.2024 10:54:22

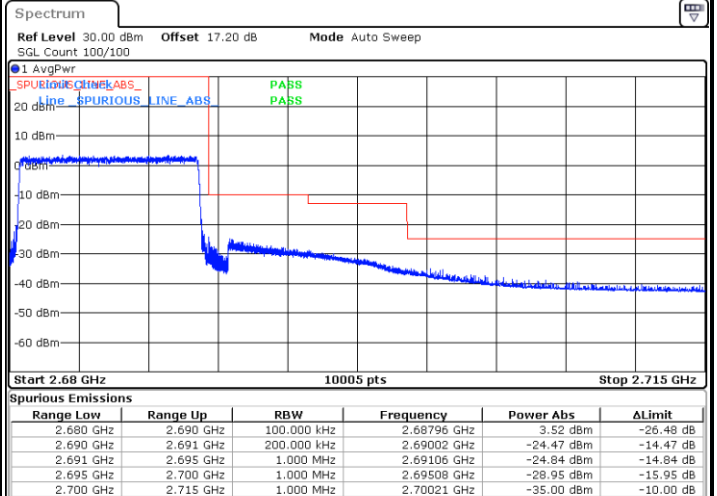
LTE Band 41 / 10MHz / 256QAM

Lowest Band Edge / Full RB



Date: 8.MAR.2024 10:45:20

Highest Band Edge / Full RB

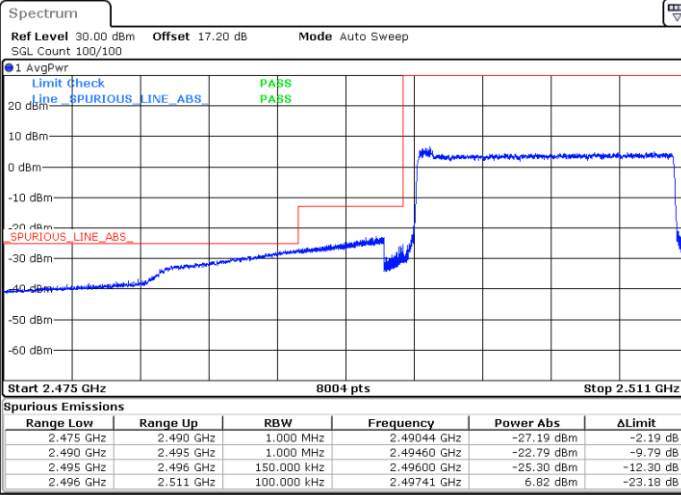


Date: 8.MAR.2024 10:55:14



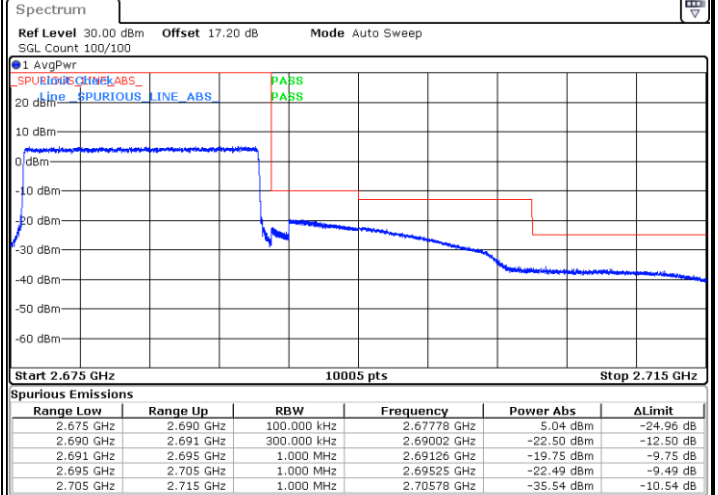
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / Full RB



Date: 8.MAR.2024 10:57:12

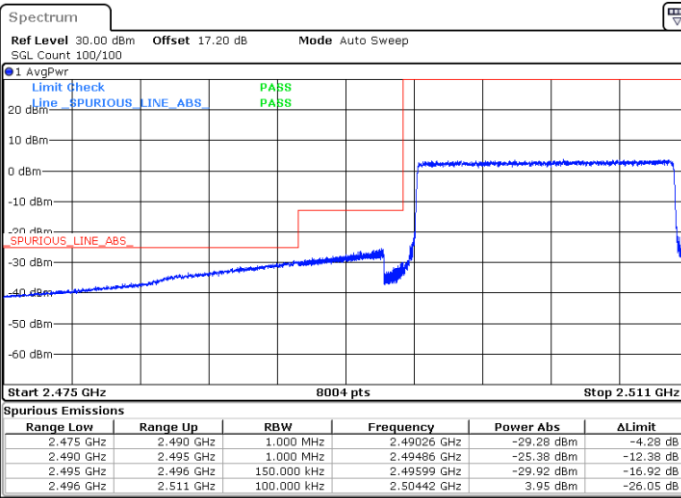
Highest Band Edge / Full RB



Date: 8.MAR.2024 11:03:57

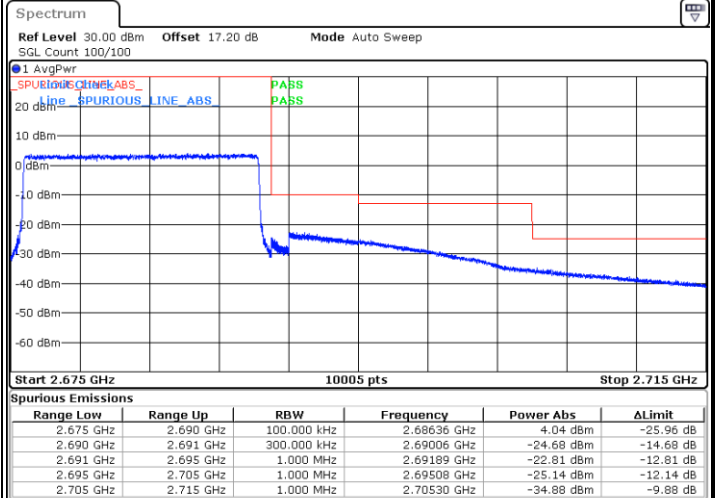
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / Full RB



Date: 8.MAR.2024 10:58:04

Highest Band Edge / Full RB

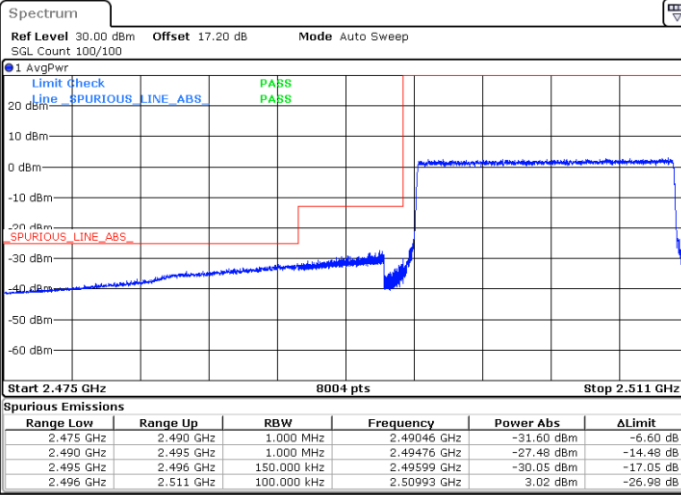


Date: 8.MAR.2024 11:04:49



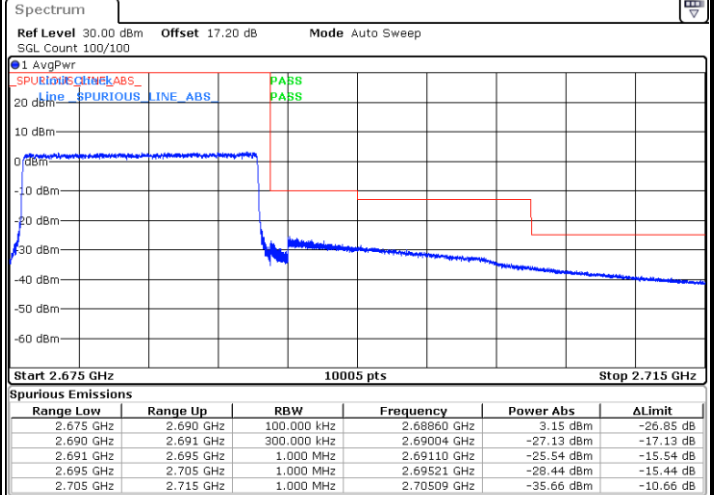
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / Full RB



Date: 8.MAR.2024 10:58:56

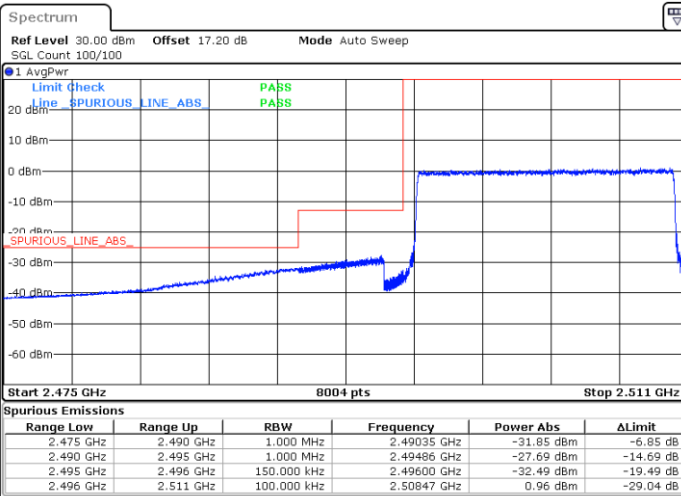
Highest Band Edge / Full RB



Date: 8.MAR.2024 11:05:41

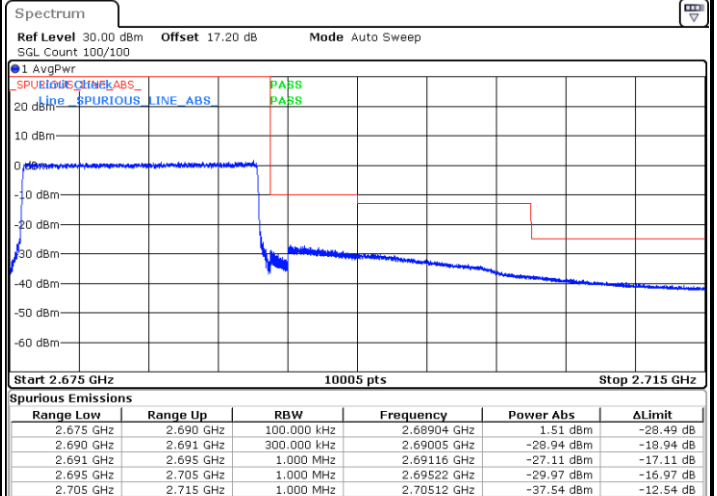
LTE Band 41 / 15MHz / 256QAM

Lowest Band Edge / Full RB



Date: 8.MAR.2024 10:59:48

Highest Band Edge / Full RB

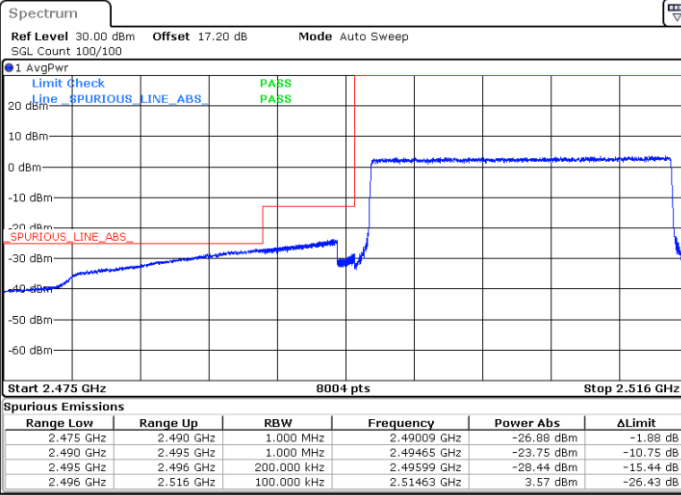


Date: 8.MAR.2024 11:06:33



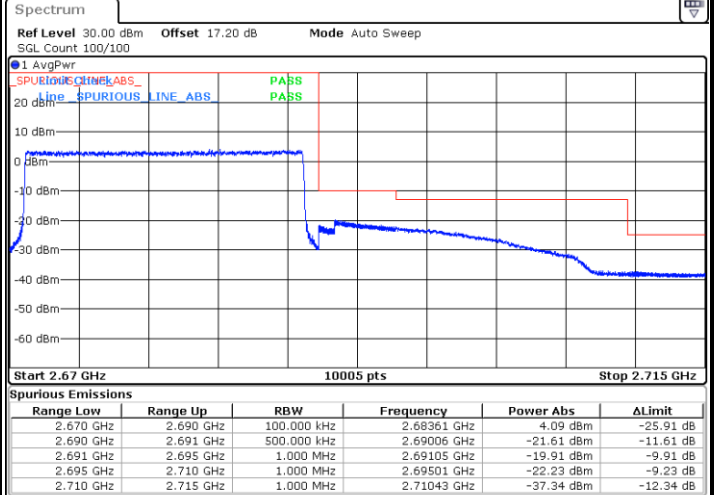
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / Full RB



Date: 8.MAR.2024 11:07:43

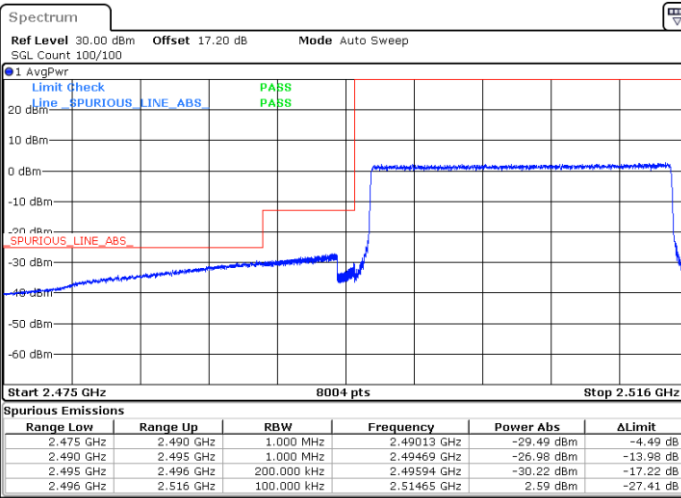
Highest Band Edge / Full RB



Date: 8.MAR.2024 11:16:03

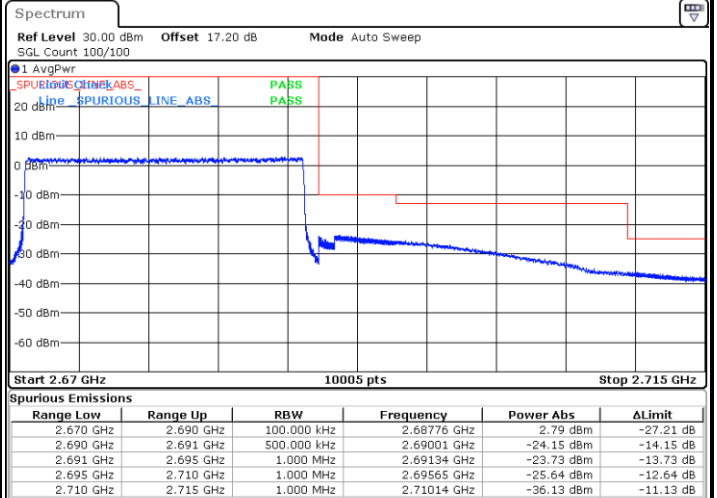
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / Full RB



Date: 8.MAR.2024 11:08:36

Highest Band Edge / Full RB

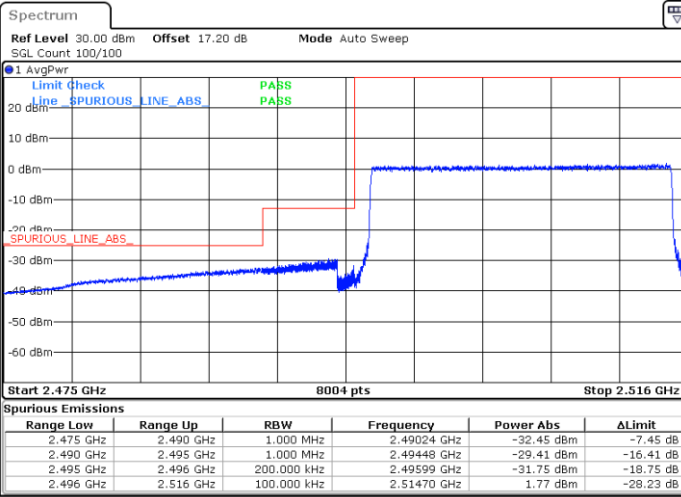


Date: 8.MAR.2024 11:16:55



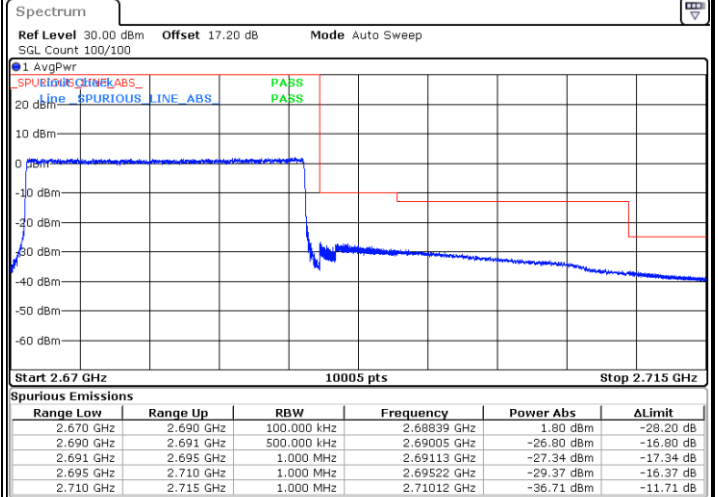
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / Full RB



Date: 8.MAR.2024 11:09:28

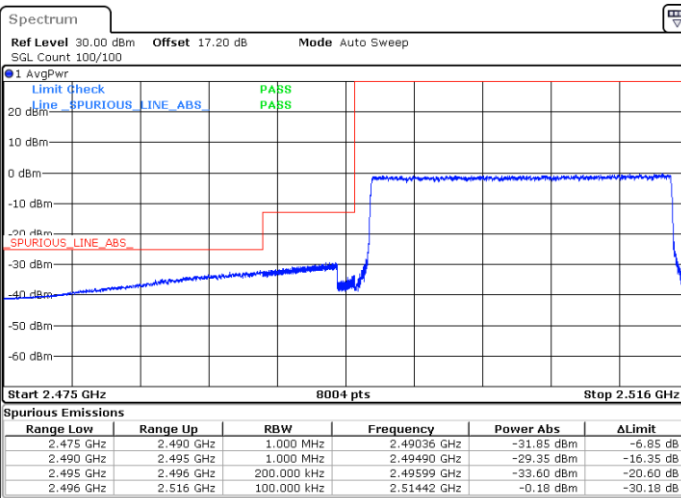
Highest Band Edge / Full RB



Date: 8.MAR.2024 11:17:47

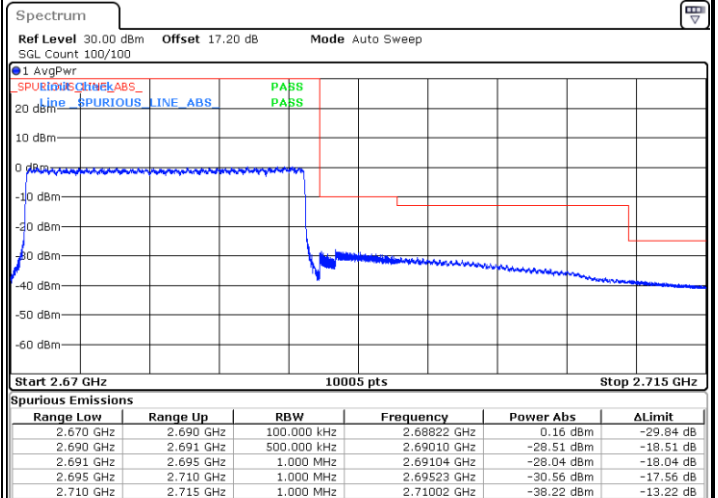
LTE Band 41 / 20MHz / 256QAM

Lowest Band Edge / Full RB



Date: 8.MAR.2024 11:10:20

Highest Band Edge / Full RB



Date: 8.MAR.2024 11:18:39

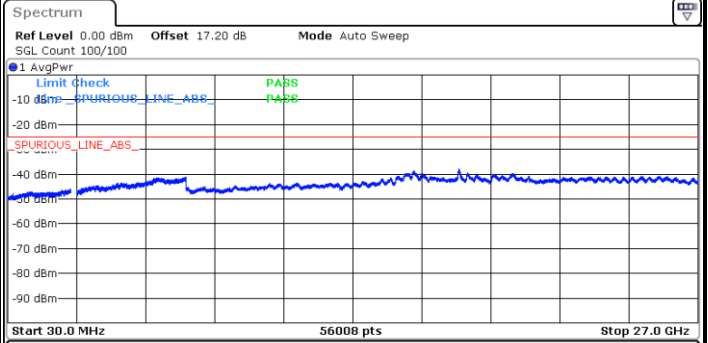
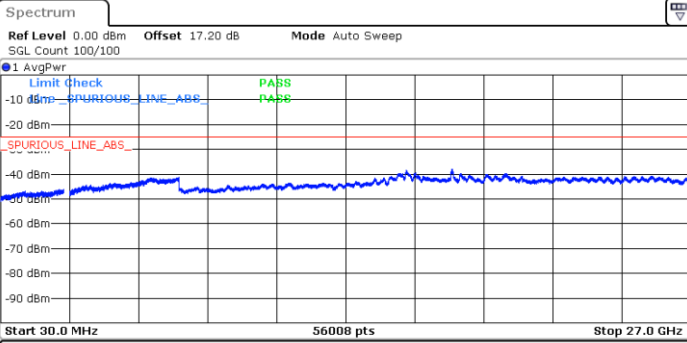


# Conducted Spurious Emission

## LTE Band 41 / 5MHz

### Lowest Channel / QPSK

### Middle Channel / QPSK



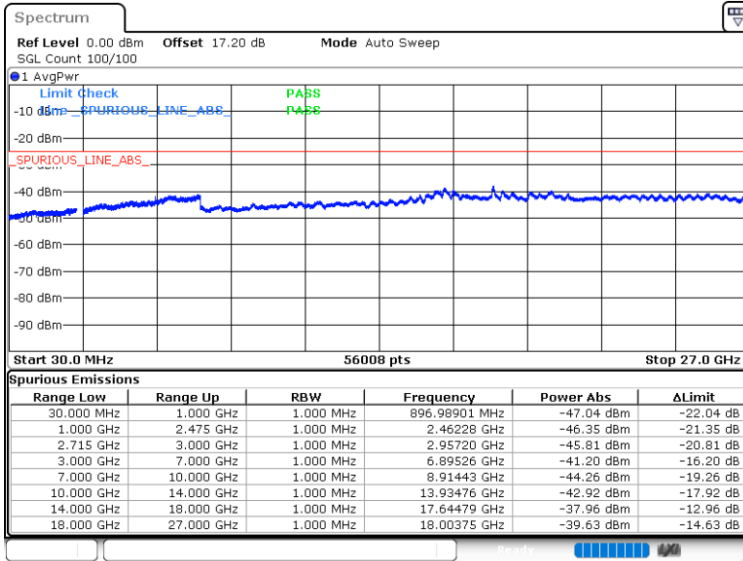
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	986.66917 MHz	-46.95 dBm	-21.95 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47260 GHz	-46.19 dBm	-21.19 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.97895 GHz	-45.66 dBm	-20.66 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99575 GHz	-41.35 dBm	-16.35 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.91793 GHz	-44.35 dBm	-19.35 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.91076 GHz	-42.88 dBm	-17.88 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.65779 GHz	-38.00 dBm	-13.00 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.75715 GHz	-39.62 dBm	-14.62 dB

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	912.98601 MHz	-47.18 dBm	-22.18 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47039 GHz	-46.08 dBm	-21.08 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.96632 GHz	-45.74 dBm	-20.74 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98675 GHz	-41.17 dBm	-16.17 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.94793 GHz	-44.67 dBm	-19.67 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.91226 GHz	-42.91 dBm	-17.91 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.64779 GHz	-37.88 dBm	-12.88 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.76265 GHz	-39.69 dBm	-14.69 dB

Date: 8.MAR.2024 09:51:25

Date: 8.MAR.2024 10:23:33

### Highest Channel / QPSK



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	896.98901 MHz	-47.04 dBm	-22.04 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46228 GHz	-46.35 dBm	-21.35 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.95720 GHz	-45.81 dBm	-20.81 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.89526 GHz	-41.20 dBm	-16.20 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.91443 GHz	-44.26 dBm	-19.26 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.93476 GHz	-42.92 dBm	-17.92 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.64479 GHz	-37.96 dBm	-12.96 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.00375 GHz	-39.63 dBm	-14.63 dB

Date: 8.MAR.2024 10:41:50

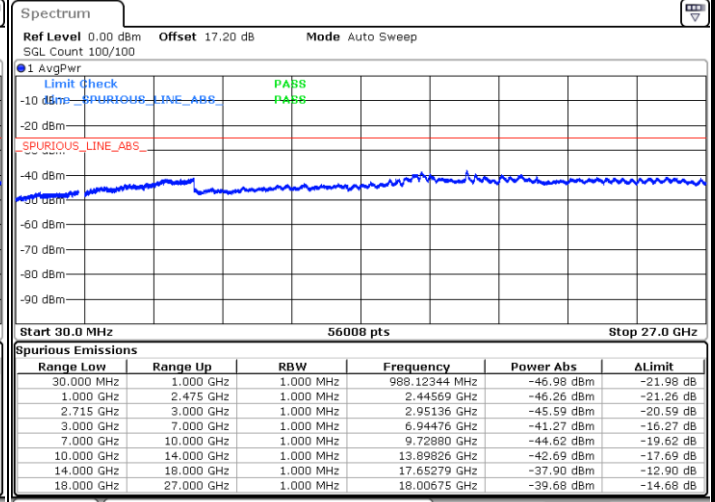
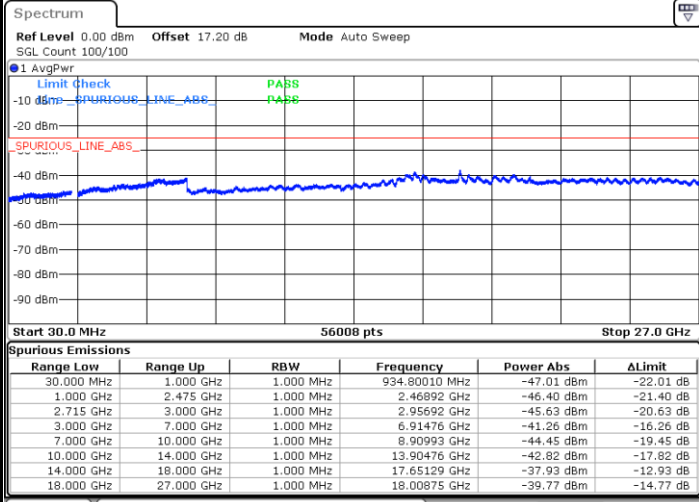




LTE Band 41 / 10MHz

Lowest Channel / QPSK

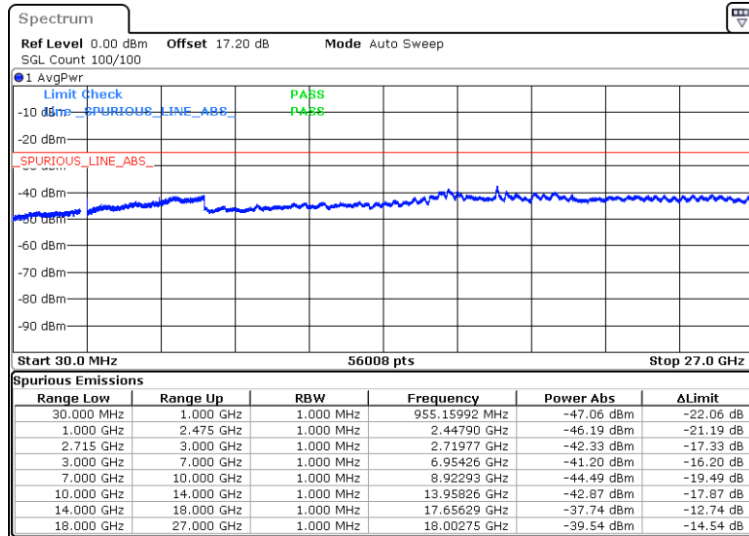
Middle Channel / QPSK



Date: 8.MAR.2024 11:20:46

Date: 8.MAR.2024 11:21:57

Highest Channel / QPSK



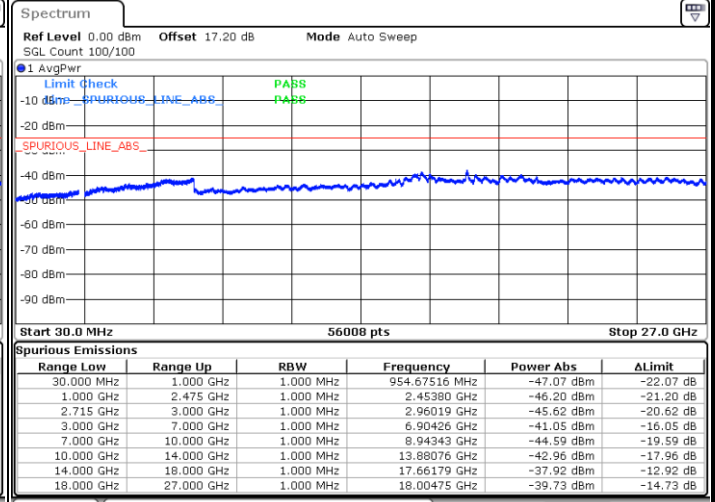
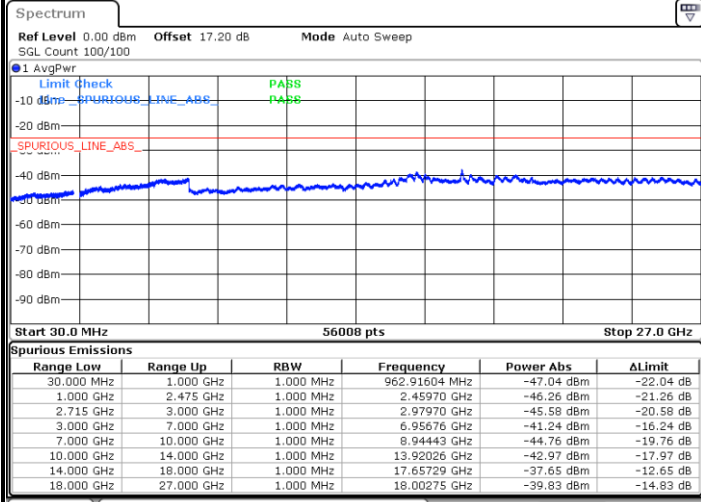
Date: 8.MAR.2024 11:23:08



LTE Band 41 / 15MHz

Lowest Channel / QPSK

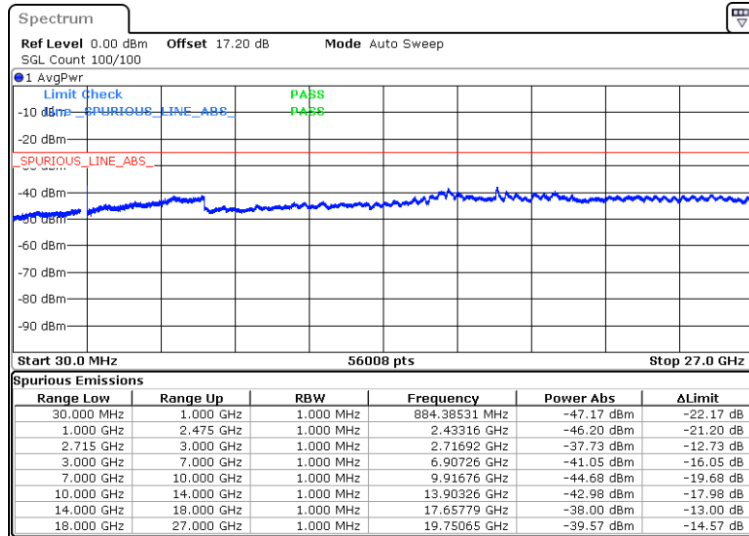
Middle Channel / QPSK



Date: 8.MAR.2024 11:24:20

Date: 8.MAR.2024 11:25:31

Highest Channel / QPSK



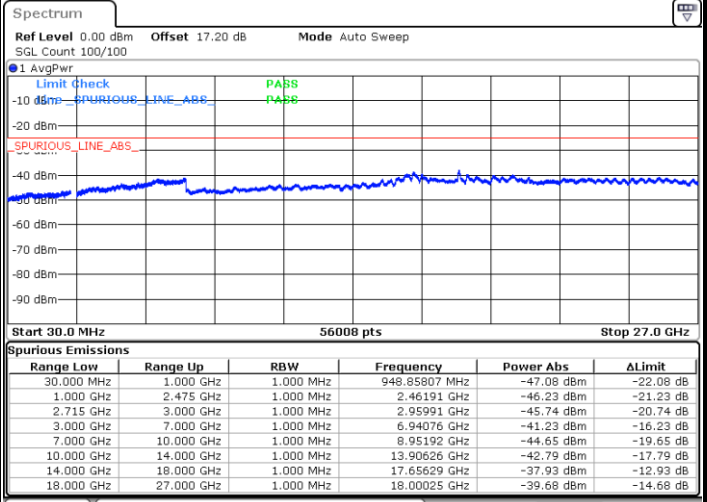
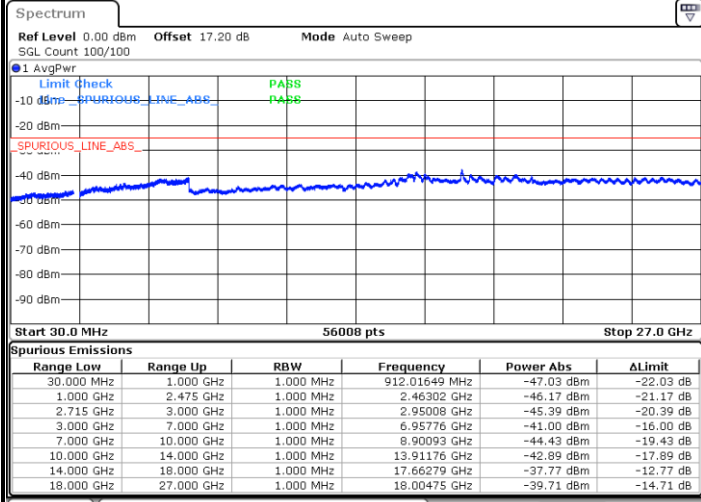
Date: 8.MAR.2024 11:26:42



LTE Band 41 / 20MHz

Lowest Channel / QPSK

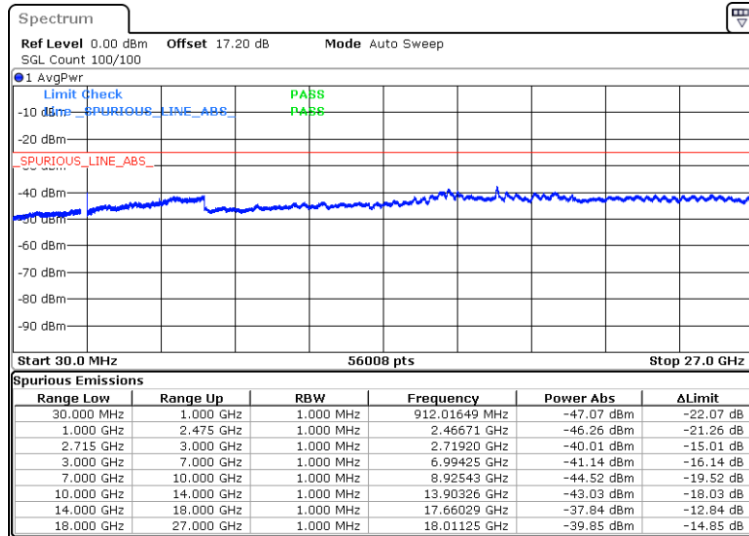
Middle Channel / QPSK



Date: 8.MAR.2024 11:27:54

Date: 8.MAR.2024 11:29:05

Highest Channel / QPSK



Date: 8.MAR.2024 11:30:16



### 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	0.0011	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0000	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0028	
-20	Normal Voltage	0.0016	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0019	

**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 (HPUE)

## 26dB Bandwidth

Mode	LTE Band 41C : 26dB BW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	25.02	25.42	29.96	25.27	30.62
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.96	25.22	30.14	34.96	40.03

Mode	LTE Band 41C : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.92	25.27	29.85	25.42	30.62
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.96	25.12	30.08	35.03	40.20

Mode	LTE Band 41C : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.97	25.42	29.96	25.47	30.62
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.96	25.12	30.26	35.24	39.96

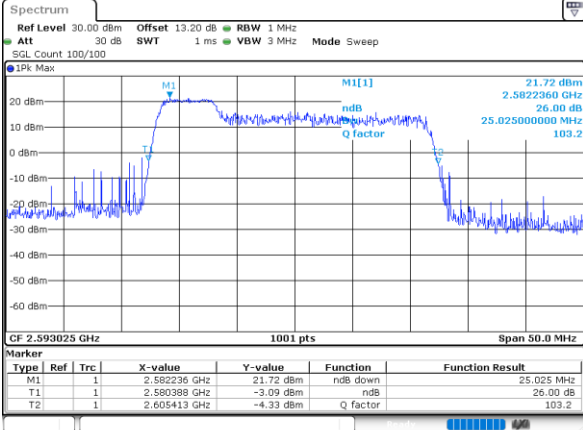
Mode	LTE Band 41C : 26dB BW(MHz)				
256QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.87	25.27	29.91	25.37	30.62
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.96	25.27	30.03	34.96	40.03



LTE Band 41C

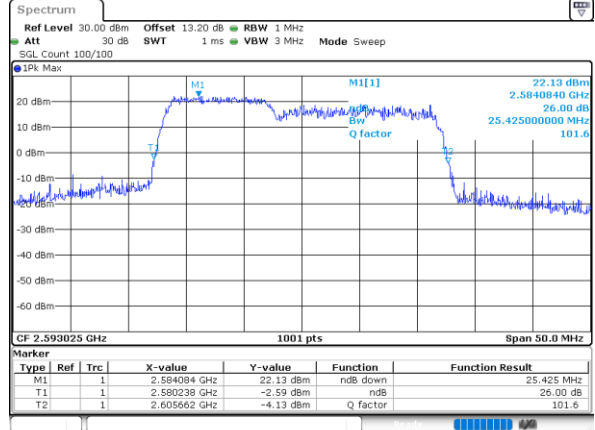
QPSK

Middle Channel / 5MHz+20MHz



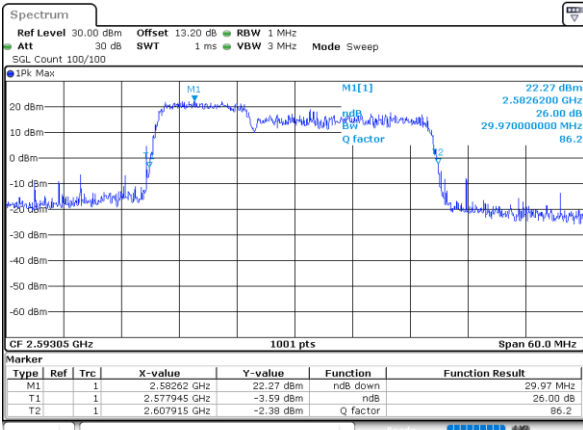
Date: 11.MAR.2024 23:45:50

Middle Channel / 10MHz+15MHz



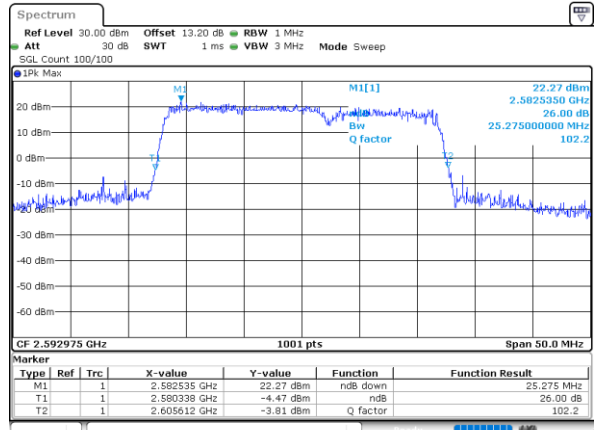
Date: 11.MAR.2024 23:53:13

Middle Channel / 10MHz+20MHz



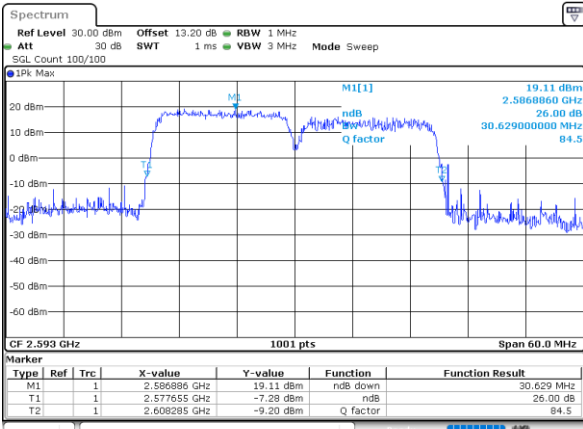
Date: 12.MAR.2024 00:00:35

Middle Channel / 15MHz+10MHz



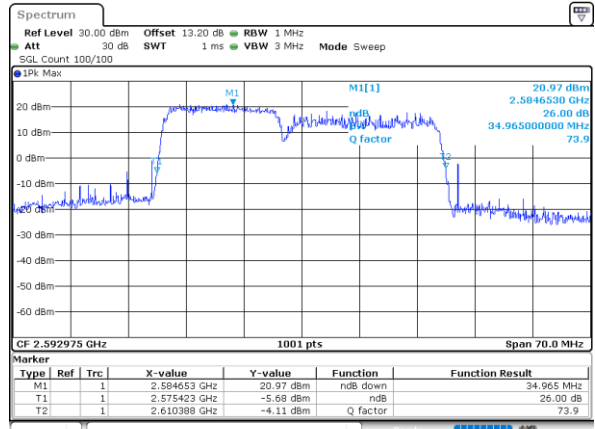
Date: 11.MAR.2024 23:56:52

Middle Channel / 15MHz+15MHz



Date: 12.MAR.2024 00:08:15

Middle Channel / 15MHz+20MHz

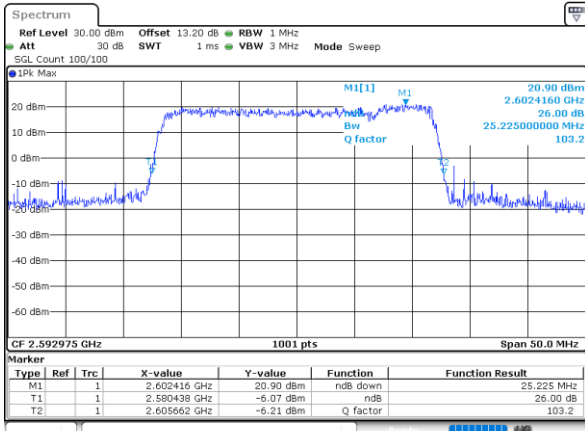


Date: 12.MAR.2024 00:11:42

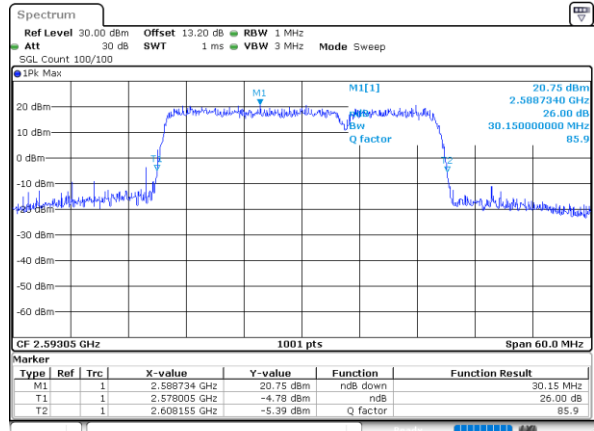


LTE Band 41C

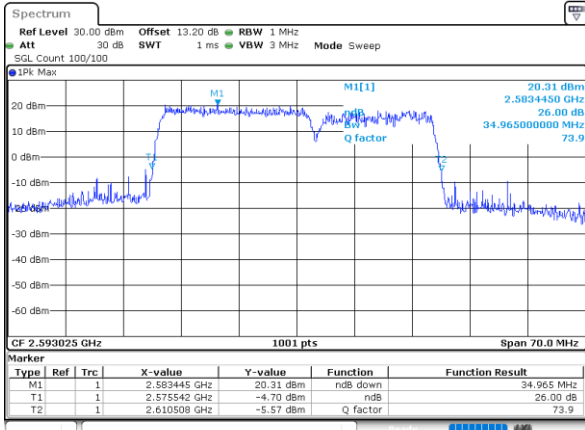
Middle Channel / 20MHz+5MHz



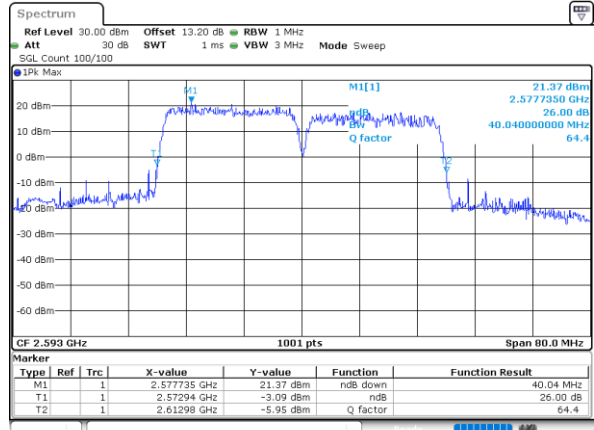
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



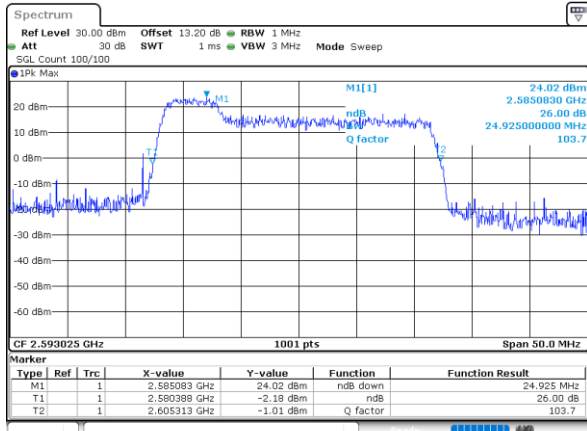
Middle Channel / 20MHz+20MHz





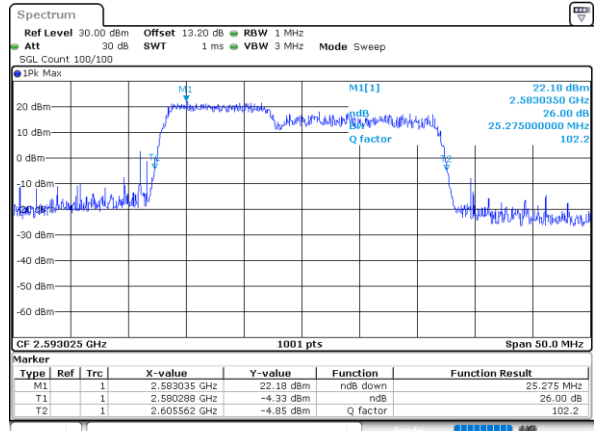
LTE Band 41C

Middle Channel / 5MHz+20MHz



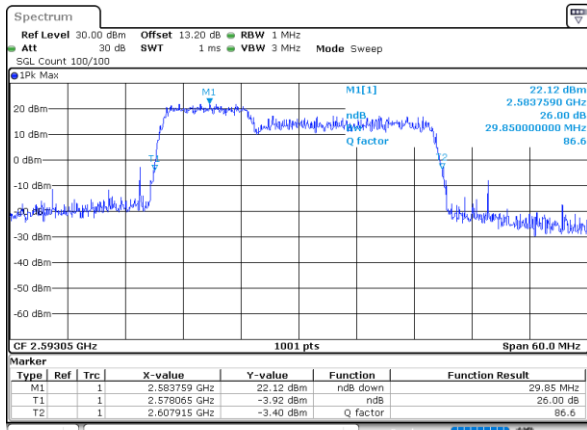
Date: 11.MAR.2024 23:45:25

Middle Channel / 10MHz+15MHz



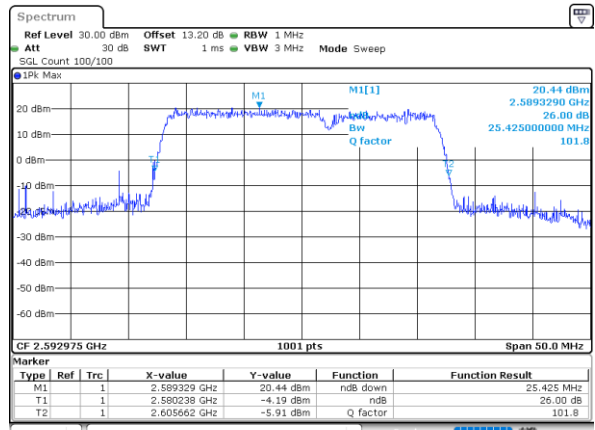
Date: 11.MAR.2024 23:52:47

Middle Channel / 10MHz+20MHz



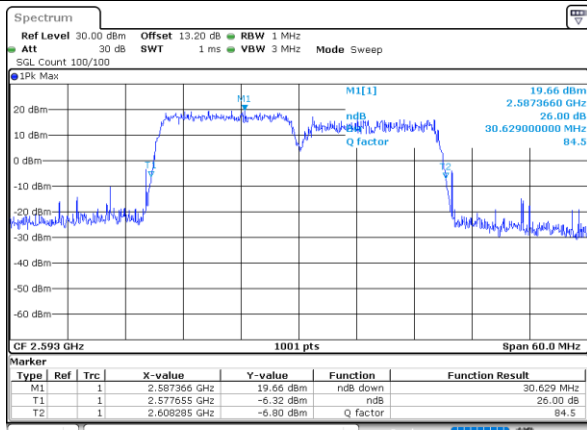
Date: 12.MAR.2024 00:00:09

Middle Channel / 15MHz+10MHz



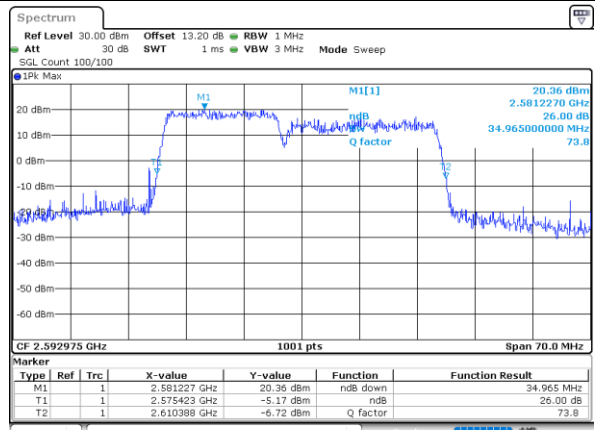
Date: 11.MAR.2024 23:56:27

Middle Channel / 15MHz+15MHz



Date: 12.MAR.2024 00:07:50

Middle Channel / 15MHz+20MHz



Date: 12.MAR.2024 00:11:16

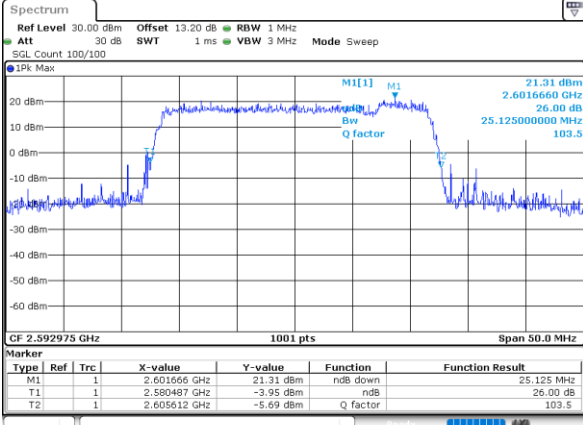




LTE Band 41C

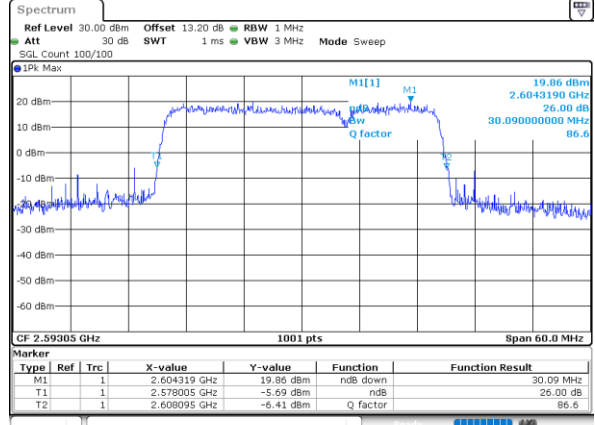
16QAM

Middle Channel / 20MHz+5MHz



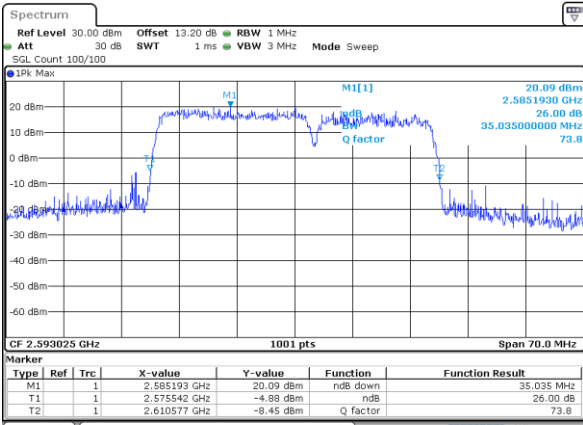
Date: 11.MAR.2024 23:48:55

Middle Channel / 20MHz+10MHz



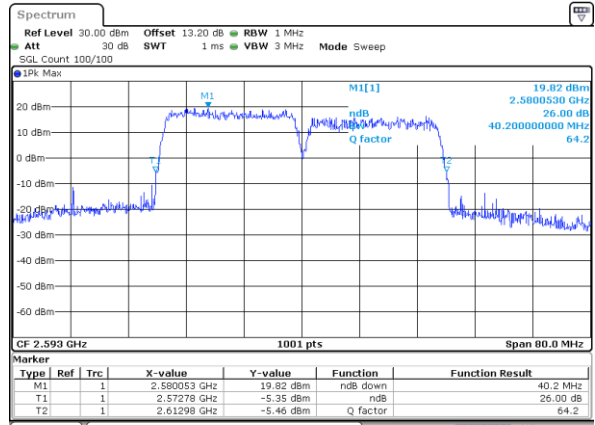
Date: 12.MAR.2024 00:04:11

Middle Channel / 20MHz+15MHz



Date: 12.MAR.2024 00:14:49

Middle Channel / 20MHz+20MHz



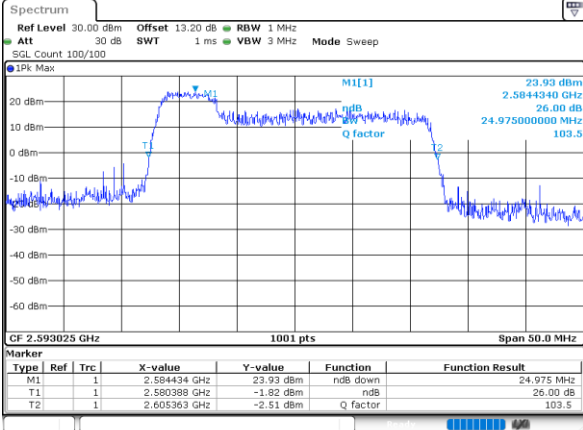
Date: 12.MAR.2024 00:18:16



LTE Band 41C

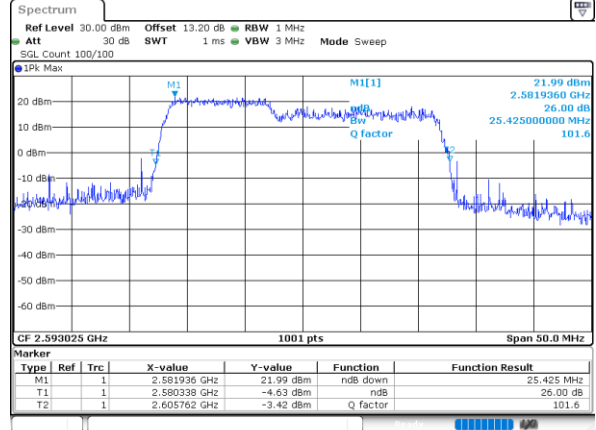
64QAM

Middle Channel / 5MHz+20MHz



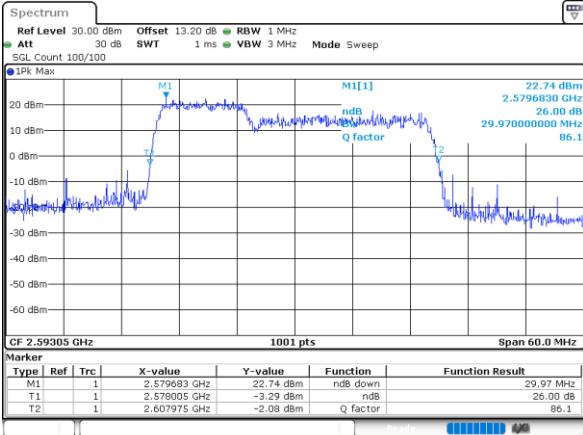
Date: 11.MAR.2024 23:44:59

Middle Channel / 10MHz+15MHz



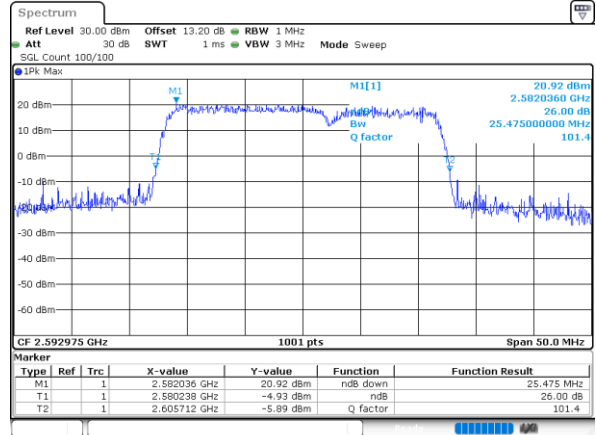
Date: 11.MAR.2024 23:52:22

Middle Channel / 10MHz+20MHz



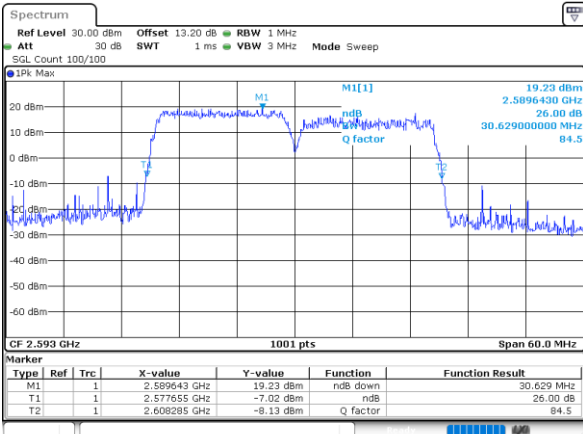
Date: 11.MAR.2024 23:59:44

Middle Channel / 15MHz+10MHz



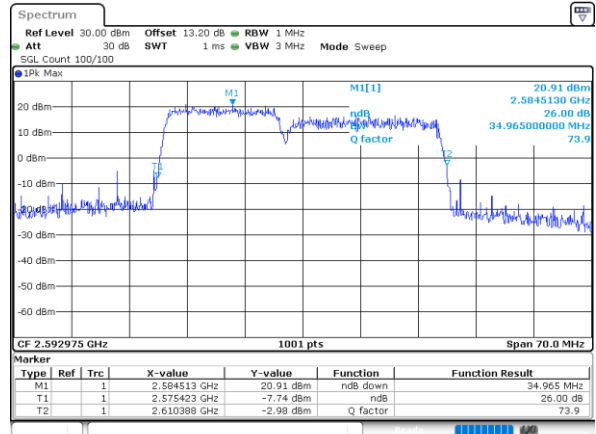
Date: 11.MAR.2024 23:56:01

Middle Channel / 15MHz+15MHz



Date: 12.MAR.2024 00:07:25

Middle Channel / 15MHz+20MHz



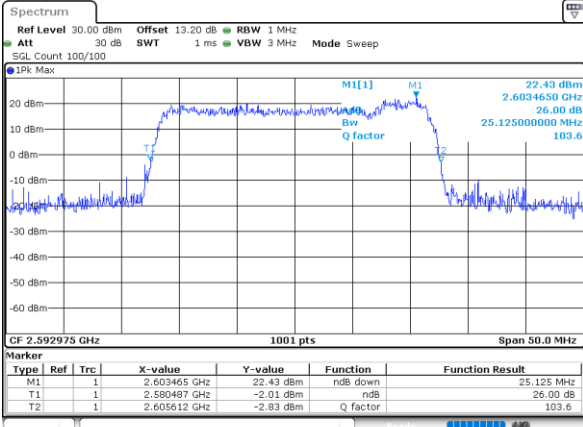
Date: 12.MAR.2024 00:10:51



LTE Band 41C

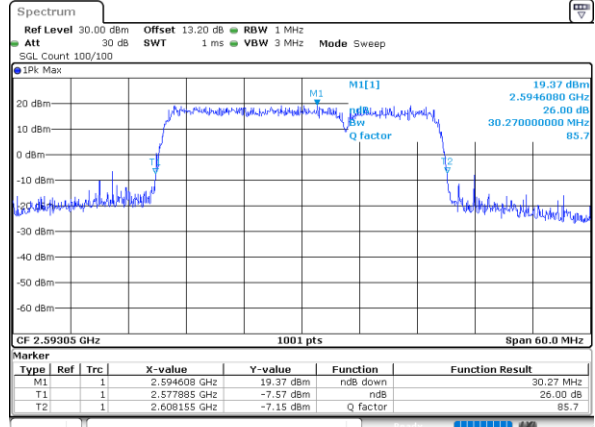
64QAM

Middle Channel / 20MHz+5MHz



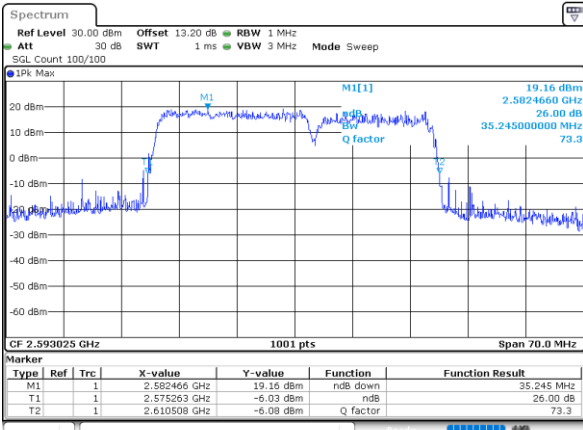
Date: 11.MAR.2024 23:48:29

Middle Channel / 20MHz+10MHz



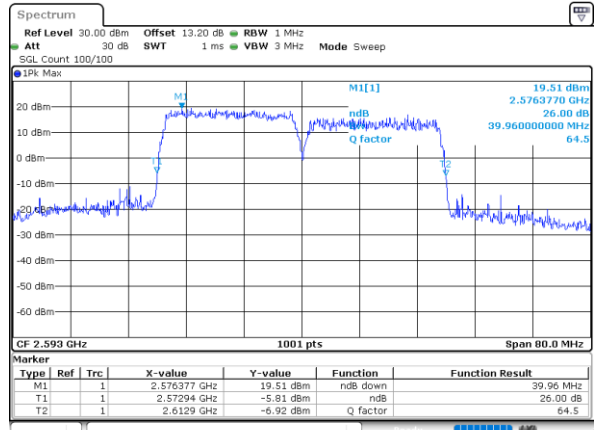
Date: 12.MAR.2024 00:03:45

Middle Channel / 20MHz+15MHz



Date: 12.MAR.2024 00:14:24

Middle Channel / 20MHz+20MHz



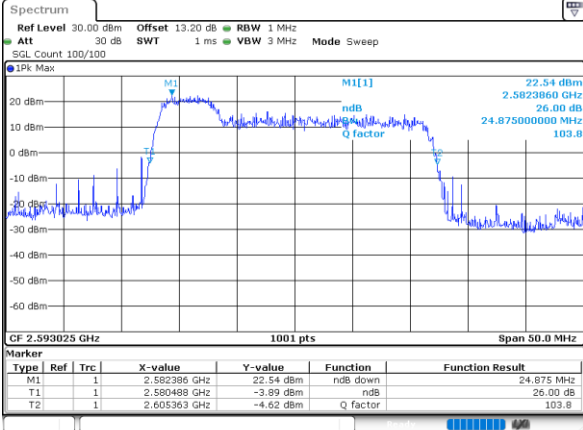
Date: 12.MAR.2024 00:17:50



LTE Band 41C

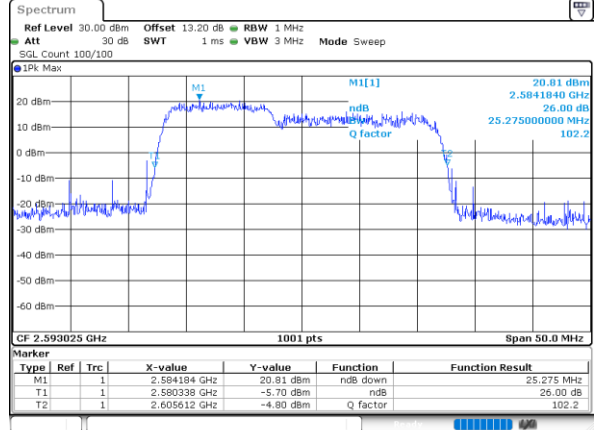
256QAM

Middle Channel / 5MHz+20MHz



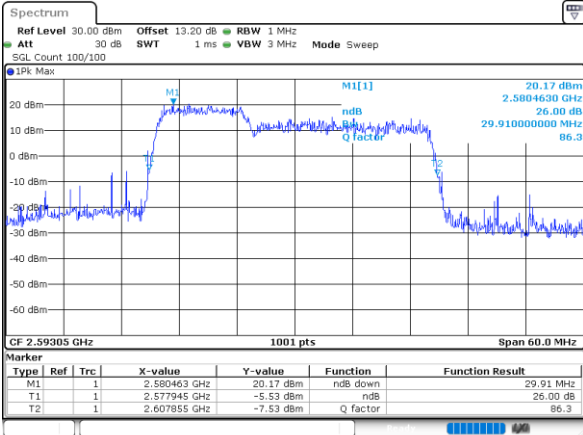
Date: 11.MAR.2024 23:44:34

Middle Channel / 10MHz+15MHz



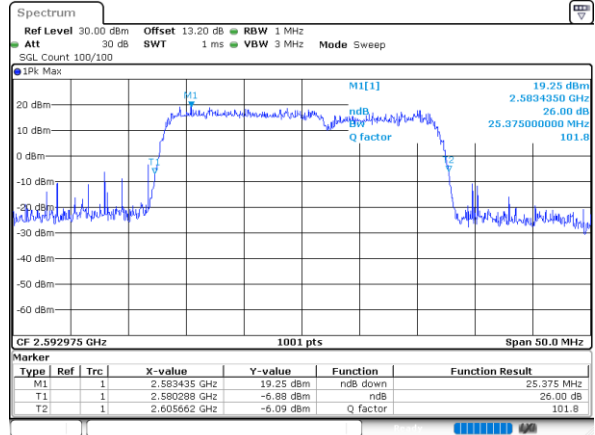
Date: 11.MAR.2024 23:51:56

Middle Channel / 10MHz+20MHz



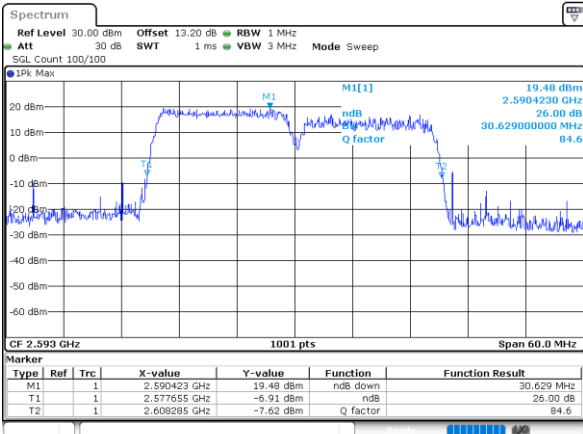
Date: 11.MAR.2024 23:59:19

Middle Channel / 15MHz+10MHz



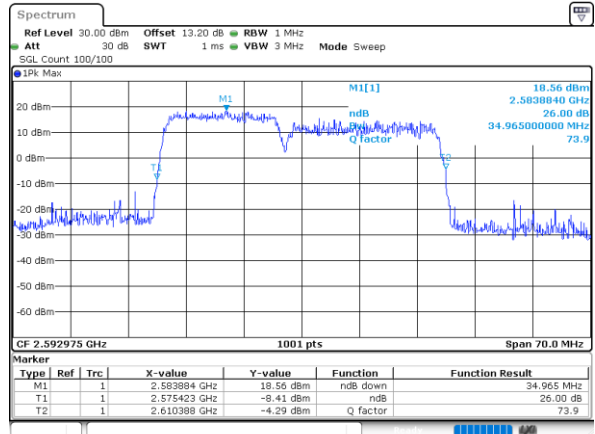
Date: 11.MAR.2024 23:55:36

Middle Channel / 15MHz+15MHz



Date: 12.MAR.2024 00:06:59

Middle Channel / 15MHz+20MHz



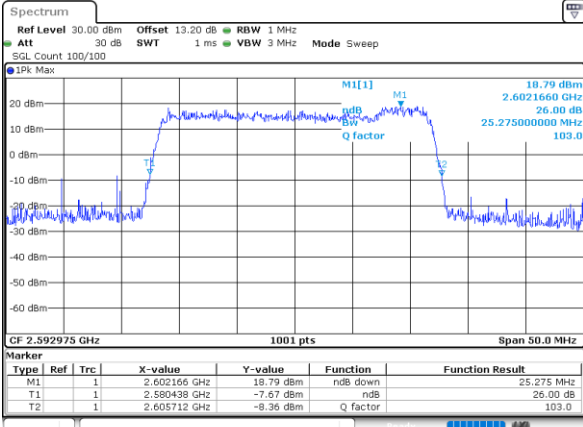
Date: 12.MAR.2024 00:10:26



LTE Band 41C

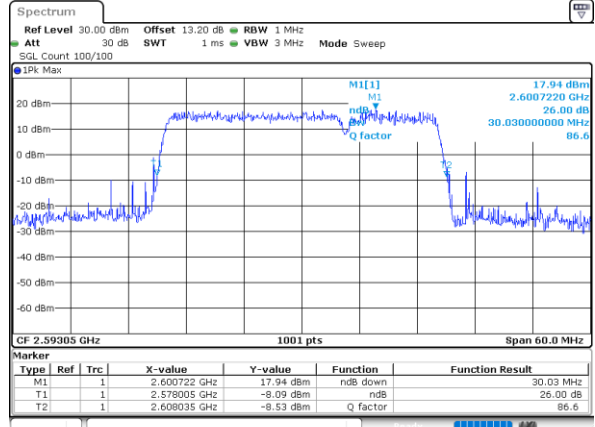
256QAM

Middle Channel / 20MHz+5MHz



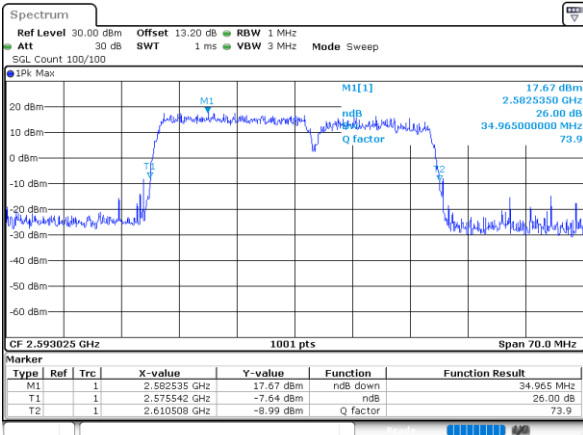
Date: 11.MAR.2024 23:48:04

Middle Channel / 20MHz+10MHz



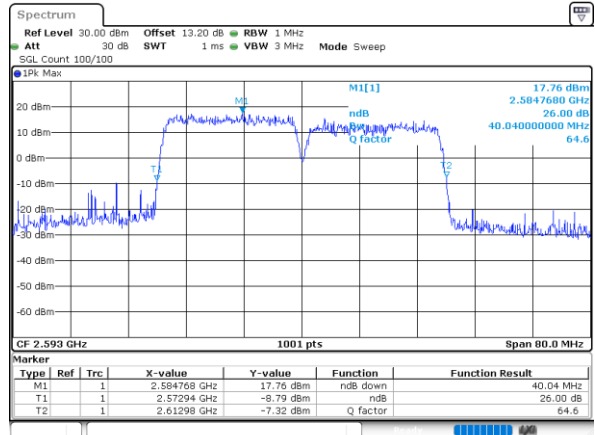
Date: 12.MAR.2024 00:03:20

Middle Channel / 20MHz+15MHz



Date: 12.MAR.2024 00:13:58

Middle Channel / 20MHz+20MHz



Date: 12.MAR.2024 00:17:25



Occupied Bandwidth

Mode	LTE Band 41C : 99%OBW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	23.27	23.47	28.05	23.57	28.65
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	32.86	23.32	27.99	33.00	37.64

Mode	LTE Band 41C : 99%OBW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	23.27	23.47	27.99	23.52	28.59
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	32.86	23.22	27.99	32.93	37.80

Mode	LTE Band 41C : 99%OBW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	23.27	23.42	28.11	23.42	28.53
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	32.79	23.22	27.93	32.93	37.80

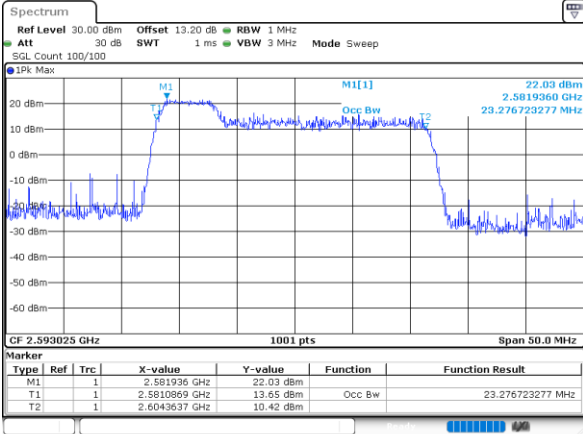
Mode	LTE Band 41C : 99%OBW(MHz)				
256QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	23.27	23.47	27.87	23.42	28.65
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	32.79	23.32	27.93	32.86	37.72



LTE Band 41C

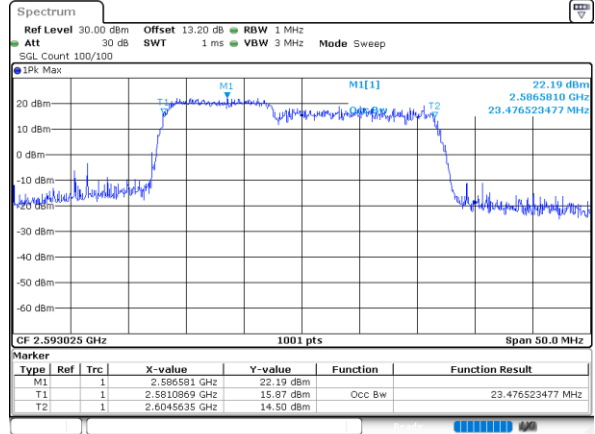
QPSK

Middle Channel / 5MHz+20MHz



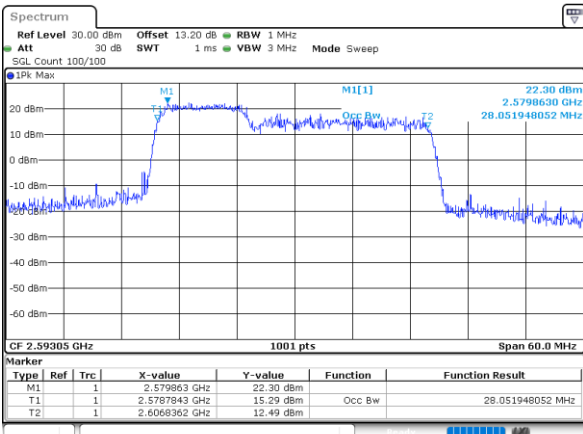
Date: 11.MAR.2024 23:42:53

Middle Channel / 10MHz+15MHz



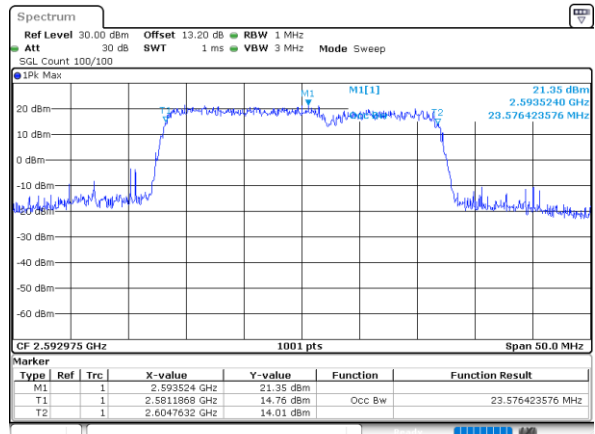
Date: 11.MAR.2024 23:50:15

Middle Channel / 10MHz+20MHz



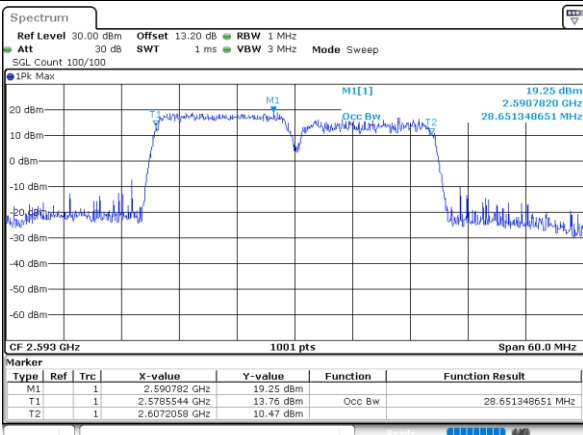
Date: 11.MAR.2024 23:57:38

Middle Channel / 15MHz+10MHz



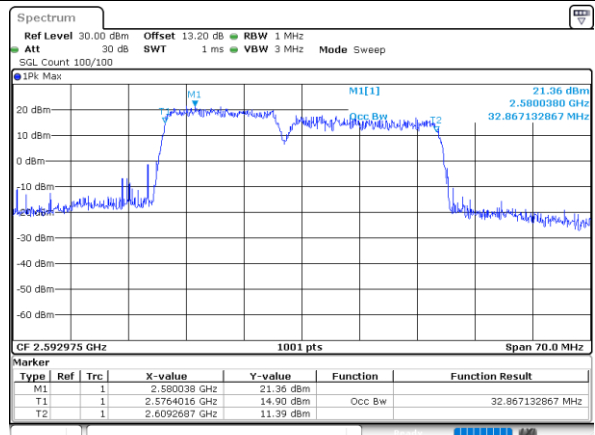
Date: 11.MAR.2024 23:53:55

Middle Channel / 15MHz+15MHz



Date: 12.MAR.2024 00:05:18

Middle Channel / 15MHz+20MHz



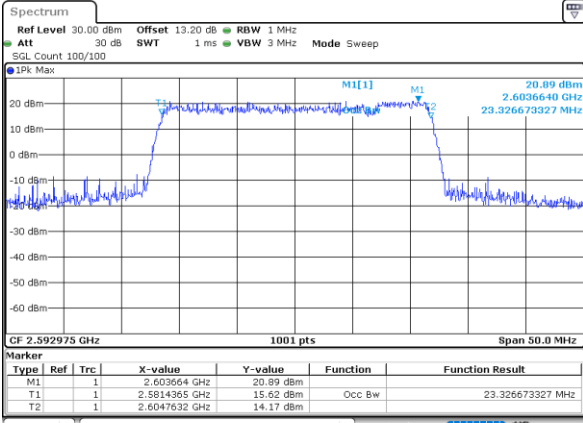
Date: 12.MAR.2024 00:08:45



LTE Band 41C

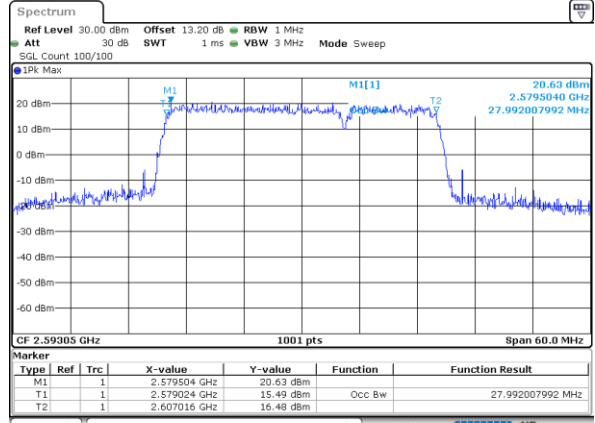
QPSK

Middle Channel / 20MHz+5MHz



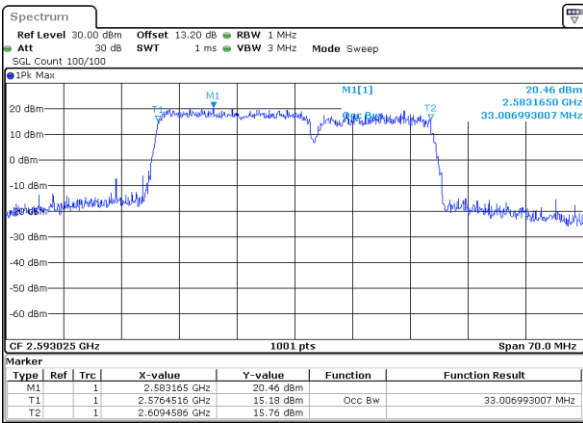
Date: 11.MAR.2024 23:46:23

Middle Channel / 20MHz+10MHz



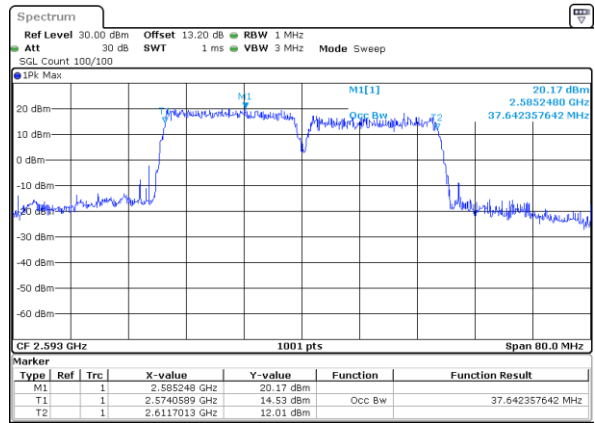
Date: 12.MAR.2024 00:01:39

Middle Channel / 20MHz+15MHz



Date: 12.MAR.2024 00:12:18

Middle Channel / 20MHz+20MHz



Date: 12.MAR.2024 00:15:44

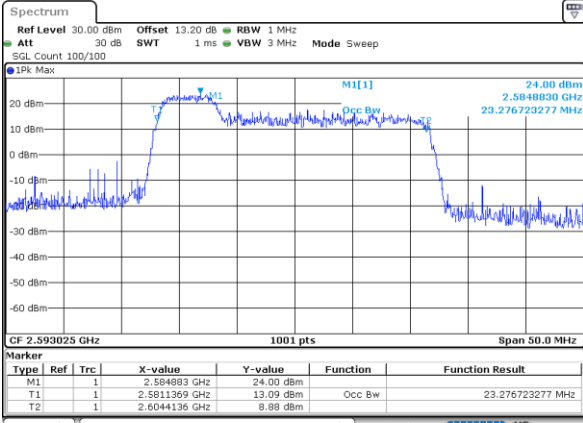




LTE Band 41C

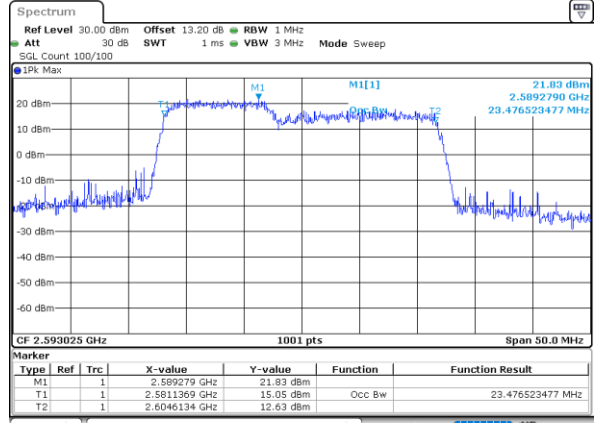
16QAM

Middle Channel / 5MHz+20MHz



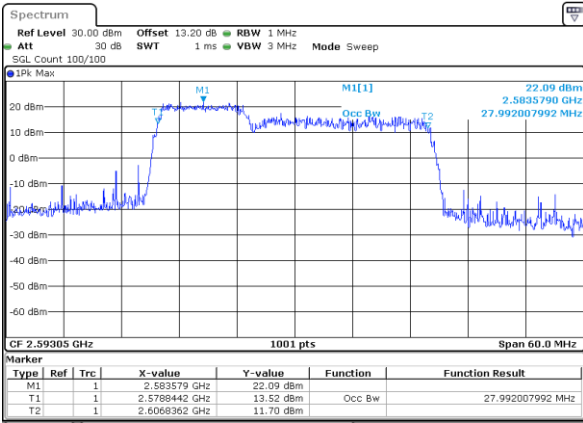
Date: 11.MAR.2024 23:43:10

Middle Channel / 10MHz+15MHz



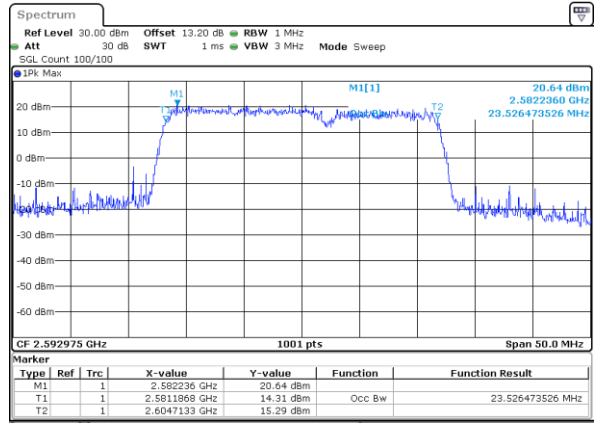
Date: 11.MAR.2024 23:50:41

Middle Channel / 10MHz+20MHz



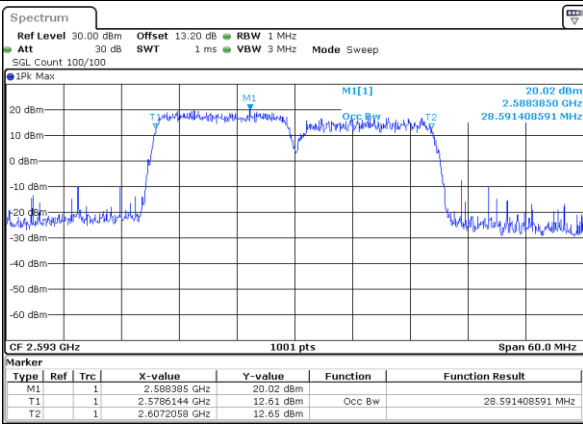
Date: 11.MAR.2024 23:58:03

Middle Channel / 15MHz+10MHz



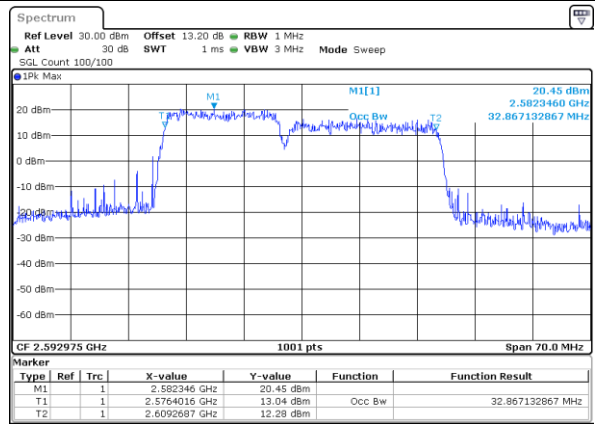
Date: 11.MAR.2024 23:54:20

Middle Channel / 15MHz+15MHz



Date: 12.MAR.2024 00:05:44

Middle Channel / 15MHz+20MHz



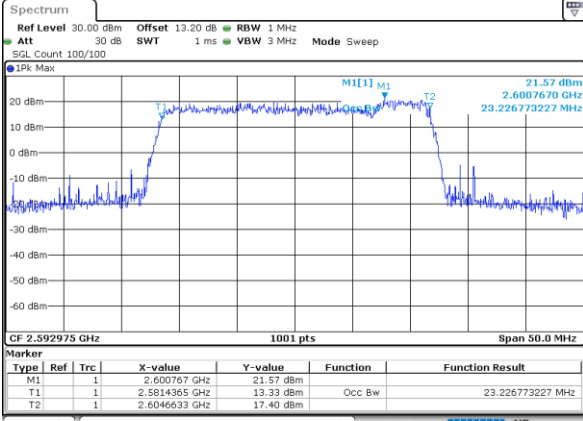
Date: 12.MAR.2024 00:09:10



LTE Band 41C

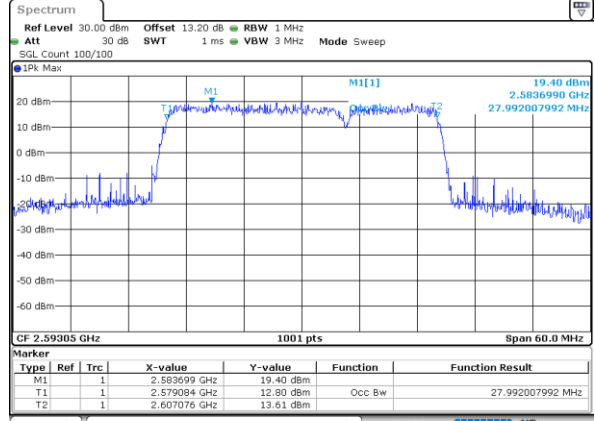
16QAM

Middle Channel / 20MHz+5MHz



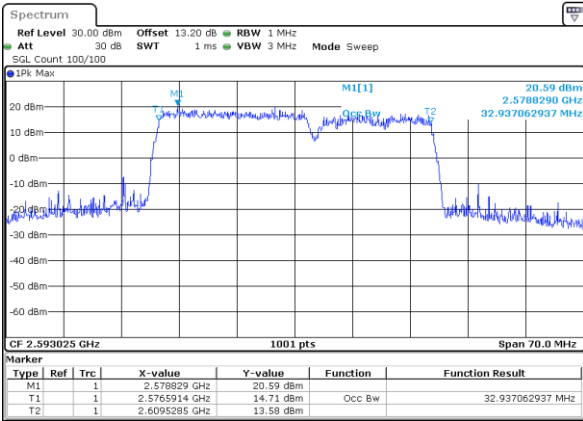
Date: 11.MAR.2024 23:46:49

Middle Channel / 20MHz+10MHz



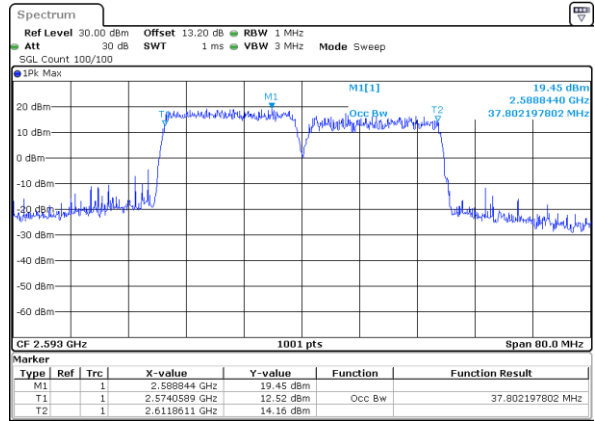
Date: 12.MAR.2024 00:02:04

Middle Channel / 20MHz+15MHz



Date: 12.MAR.2024 00:12:43

Middle Channel / 20MHz+20MHz



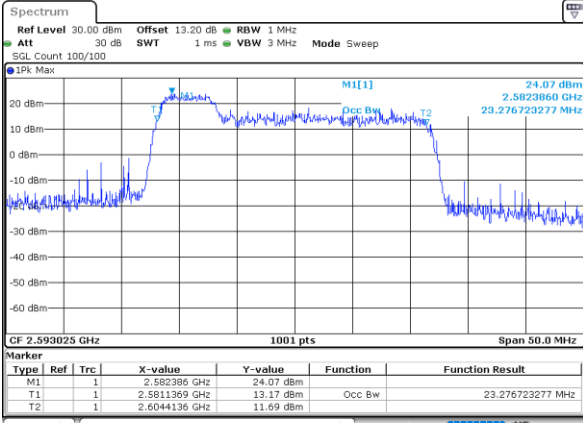
Date: 12.MAR.2024 00:16:10



LTE Band 41C

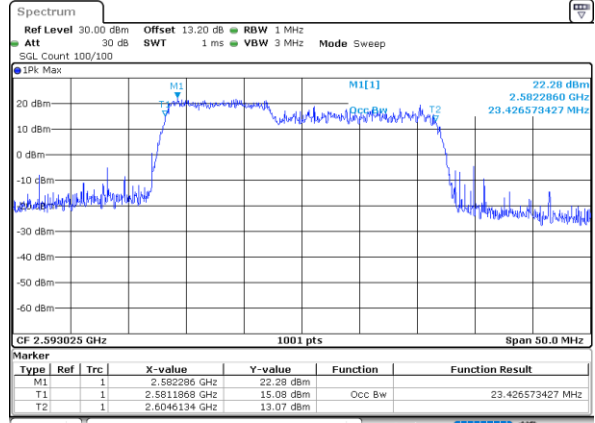
64QAM

Middle Channel / 5MHz+20MHz



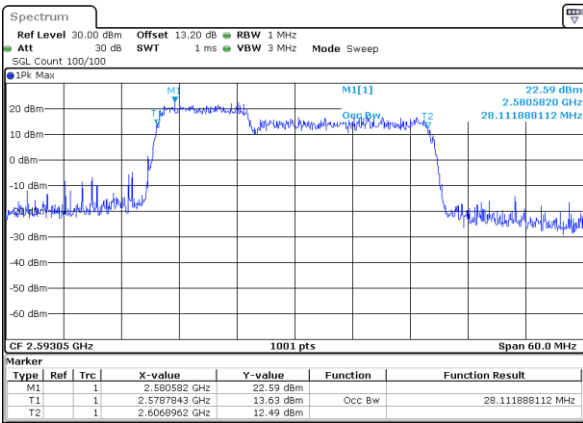
Date: 11.MAR.2024 23:43:44

Middle Channel / 10MHz+15MHz



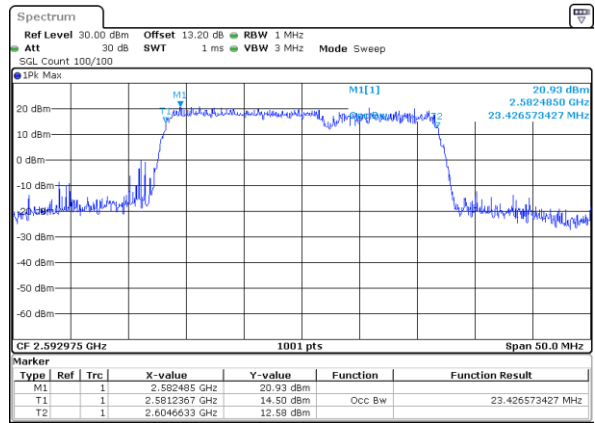
Date: 11.MAR.2024 23:51:06

Middle Channel / 10MHz+20MHz



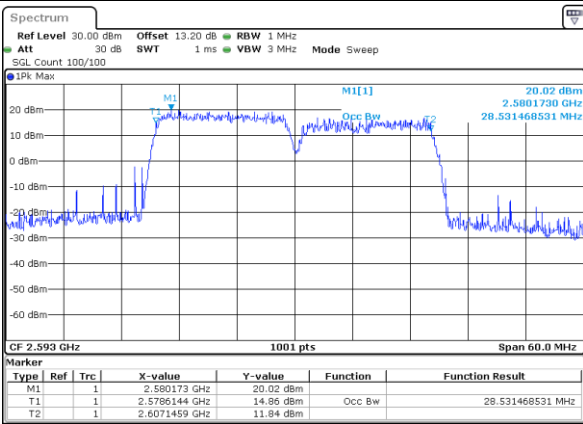
Date: 11.MAR.2024 23:58:29

Middle Channel / 15MHz+10MHz



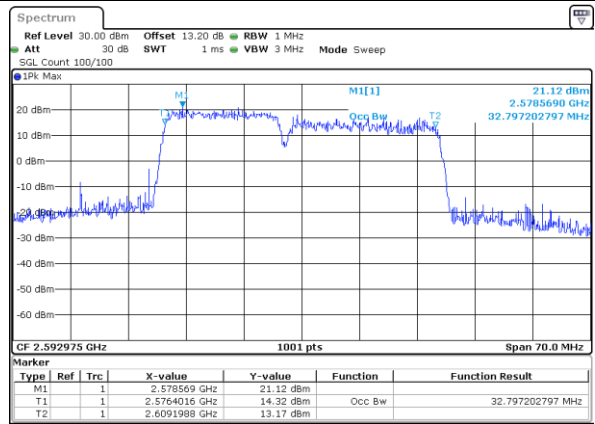
Date: 11.MAR.2024 23:54:46

Middle Channel / 15MHz+15MHz



Date: 12.MAR.2024 00:06:09

Middle Channel / 15MHz+20MHz



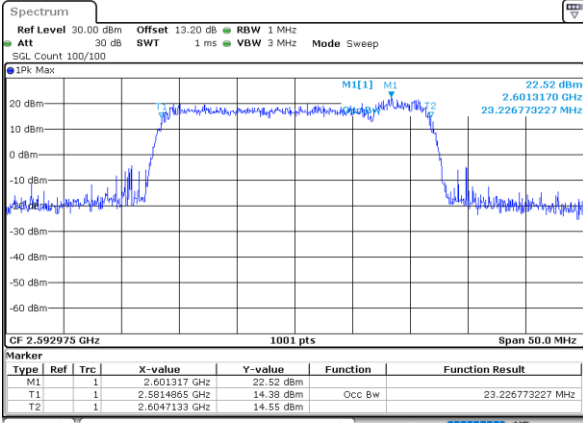
Date: 12.MAR.2024 00:09:36



LTE Band 41C

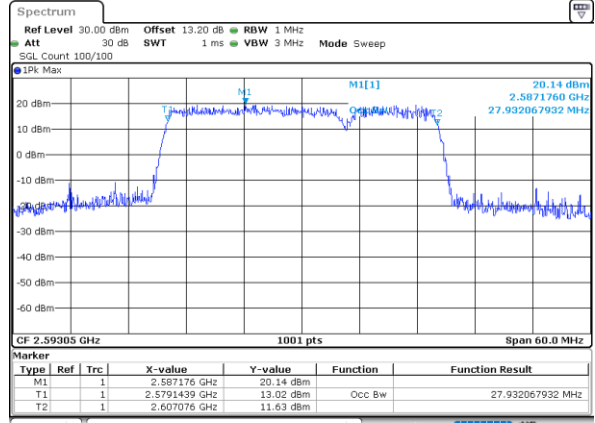
64QAM

Middle Channel / 20MHz+5MHz



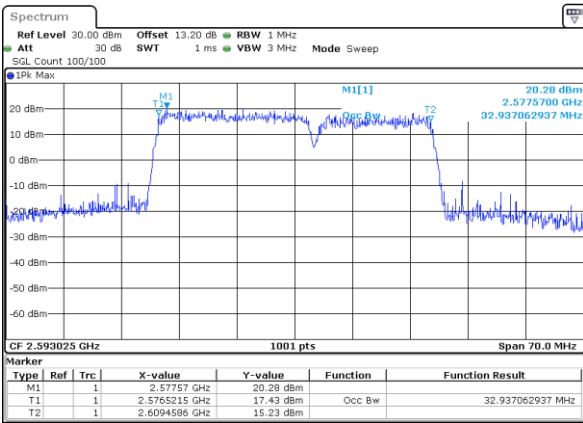
Date: 11.MAR.2024 23:47:14

Middle Channel / 20MHz+10MHz



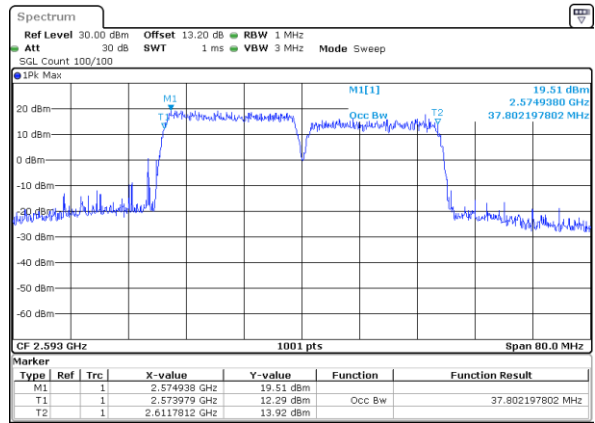
Date: 12.MAR.2024 00:02:30

Middle Channel / 20MHz+15MHz



Date: 12.MAR.2024 00:13:09

Middle Channel / 20MHz+20MHz



Date: 12.MAR.2024 00:16:35