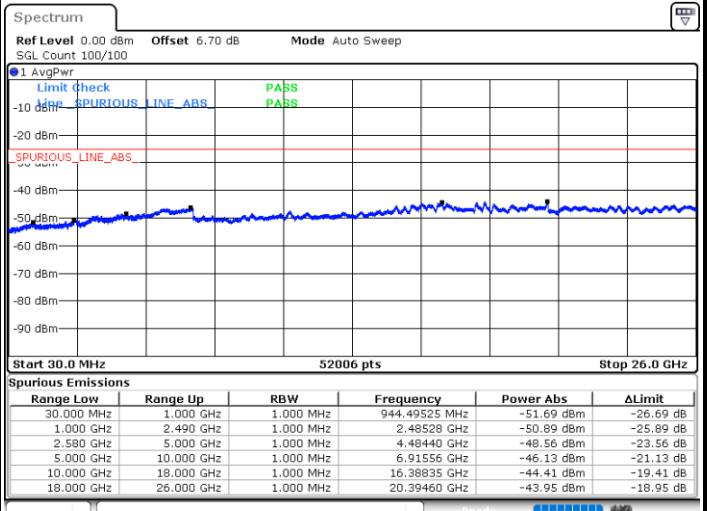
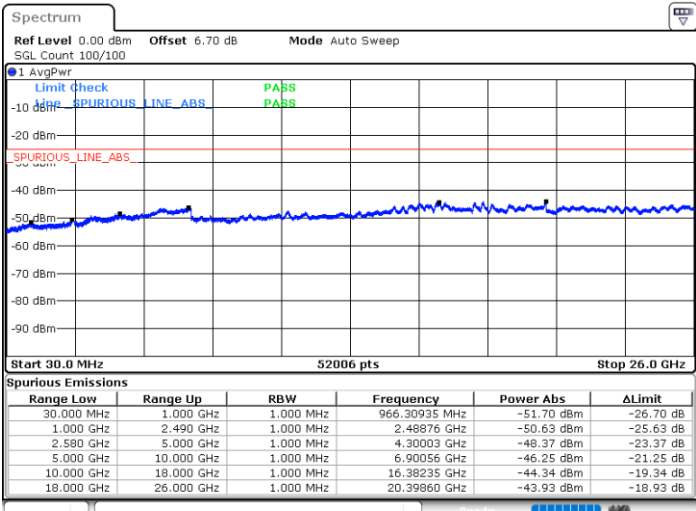




LTE Band 7 / 10MHz

Lowest Channel / QPSK

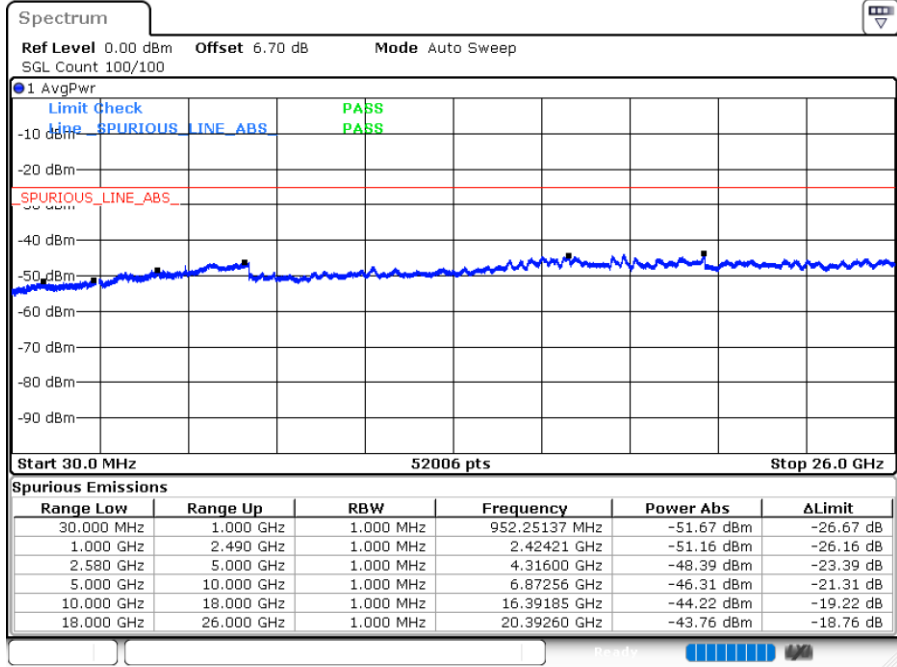
Middle Channel / QPSK



Date: 26.AUG.2024 09:19:13

Date: 26.AUG.2024 09:37:58

Highest Channel / QPSK



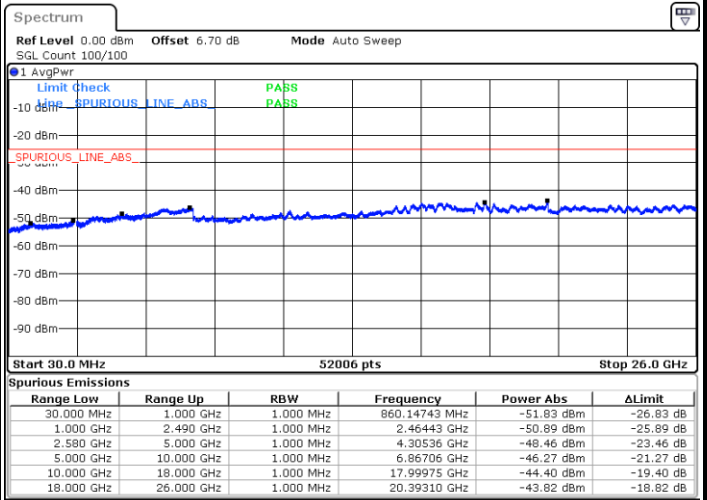
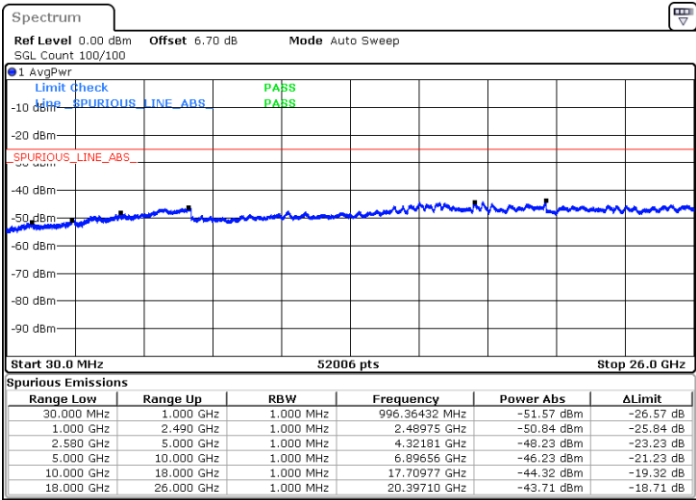
Date: 26.AUG.2024 09:27:32



LTE Band 7 / 15MHz

Lowest Channel / QPSK

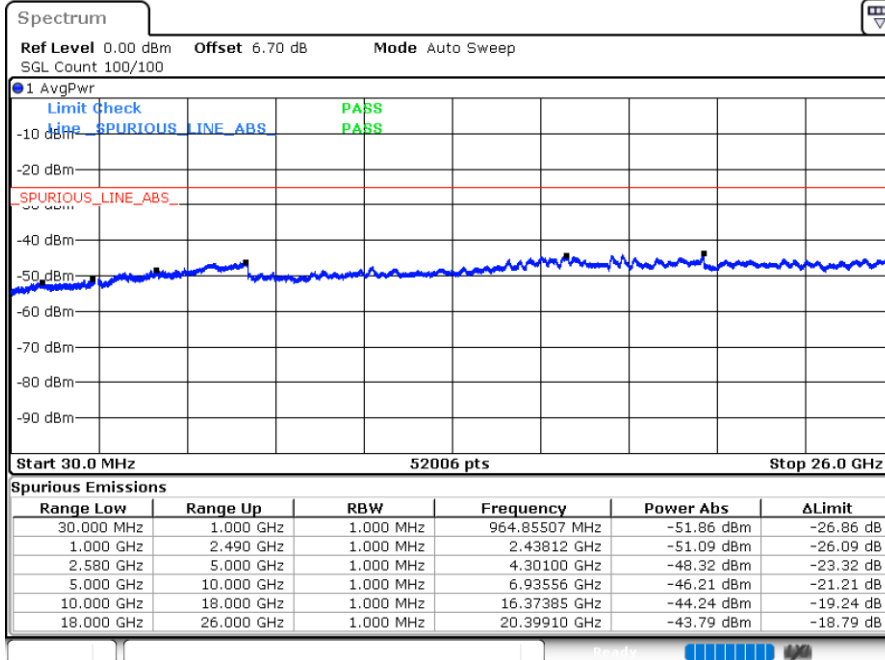
Middle Channel / QPSK



Date: 26.AUG.2024 09:40:49

Date: 26.AUG.2024 09:46:40

Highest Channel / QPSK



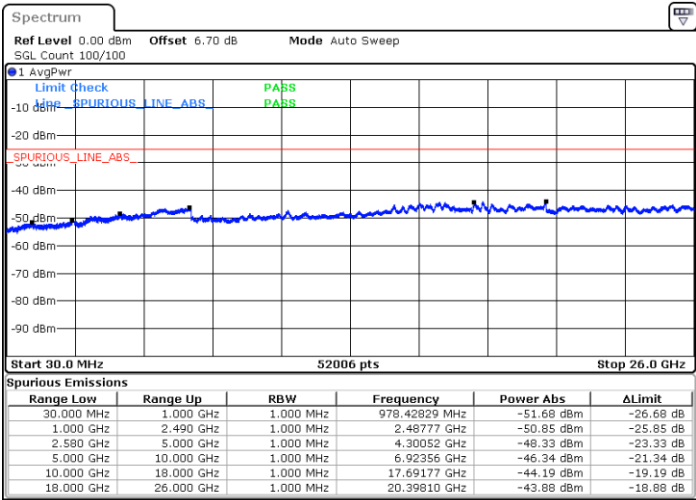
Date: 26.AUG.2024 09:50:22



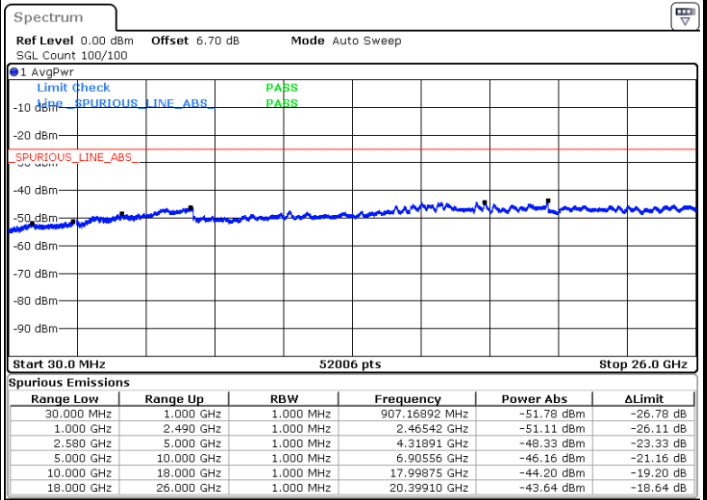
LTE Band 7 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

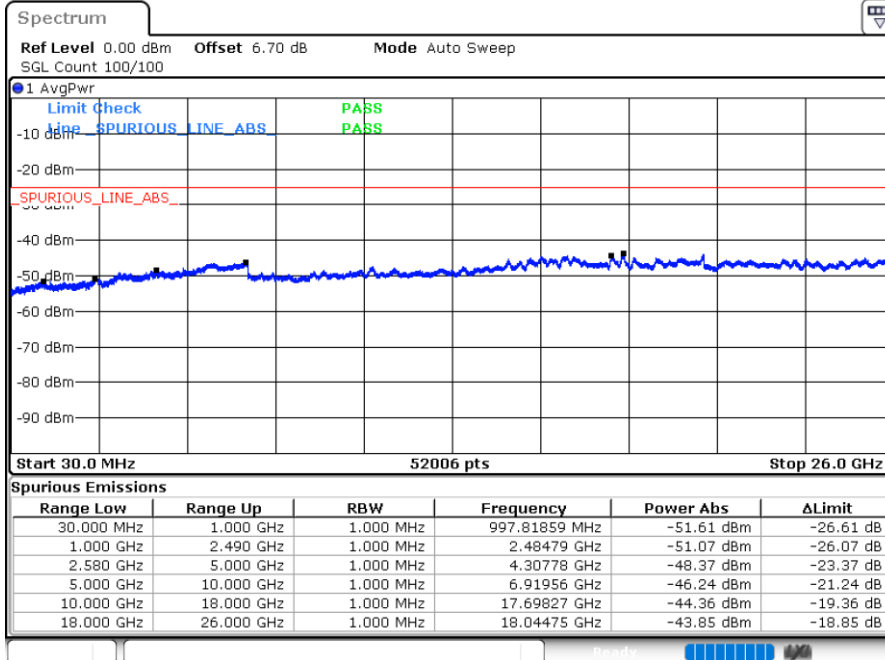


Date: 26.AUG.2024 09:56:20



Date: 26.AUG.2024 10:04:25

Highest Channel / QPSK



Date: 26.AUG.2024 10:07:38



### Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0016	PASS
40	Normal Voltage	0.0022	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0037	
0	Normal Voltage	0.0031	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0027	
-30	Normal Voltage	0.0019	
20	Maximum Voltage	0.0032	
20	Normal Voltage	0.0016	
20	Battery End Point	0.0024	

**Note:**

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 7C

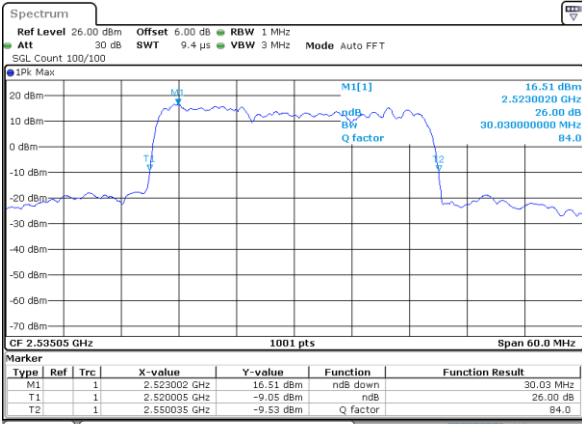
## 26dB Bandwidth

Mode	LTE Band 7C : 26dB BW(MHz)	
BW	10MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	30.03	29.85
BW	15MHz+10MHz	
Mod.	QPSK	16QAM
Middle CH	25.38	25.38
BW	15MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	30.75	30.87
BW	15MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	35.04	35.04
BW	20MHz+10MHz	
Mod.	QPSK	16QAM
Middle CH	30.15	29.91
BW	20MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	34.97	35.04
BW	20MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	40.28	40.04



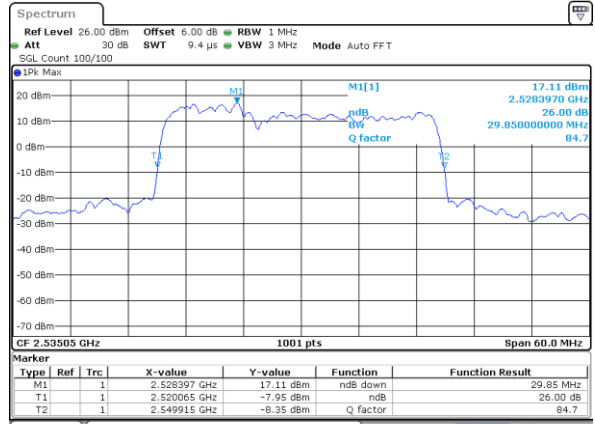
LTE Band 7C

Middle Channel / 10MHz+20MHz / QPSK



Date: 29\_JUL\_2024 08:52:02

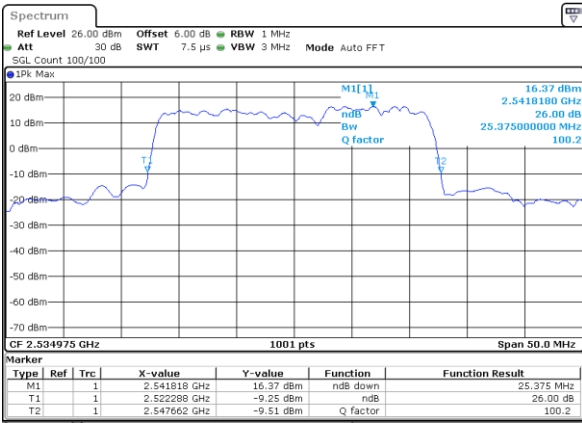
Middle Channel / 10MHz+20MHz / 16QAM



Date: 29\_JUL\_2024 08:53:30

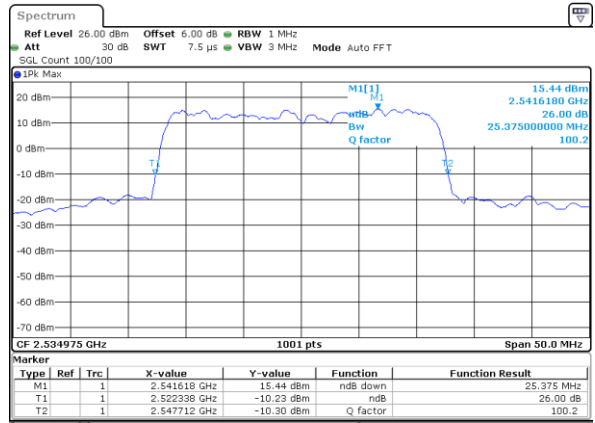
LTE Band 7C

Middle Channel / 15MHz+10MHz / QPSK



Date: 29\_JUL\_2024 09:24:54

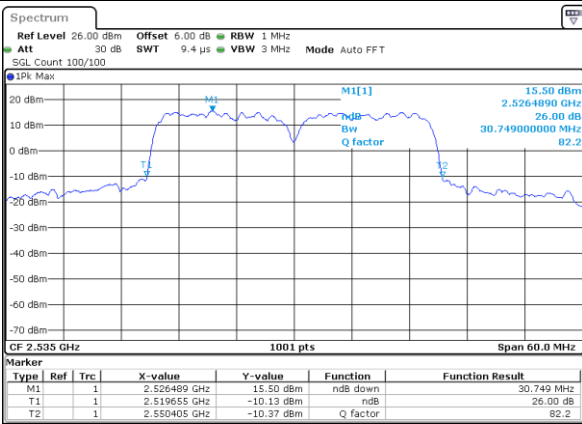
Middle Channel / 15MHz+10MHz / 16QAM



Date: 29\_JUL\_2024 09:26:23

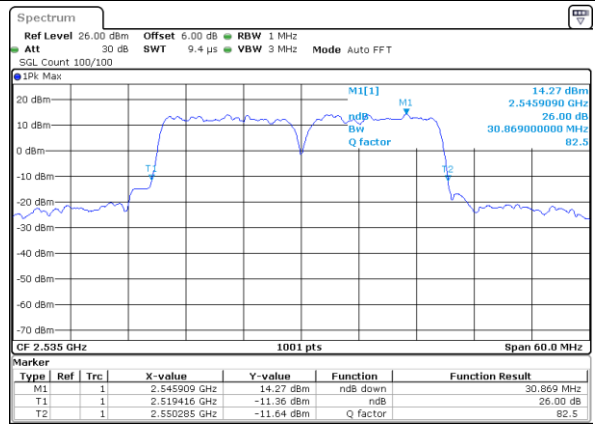
LTE Band 7C

Middle Channel / 15MHz+15MHz / QPSK



Date: 29\_JUL\_2024 09:57:55

Middle Channel / 15MHz+15MHz / 16QAM

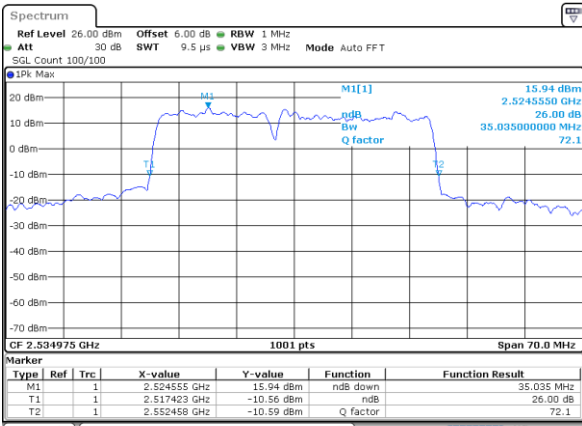


Date: 29\_JUL\_2024 09:59:17



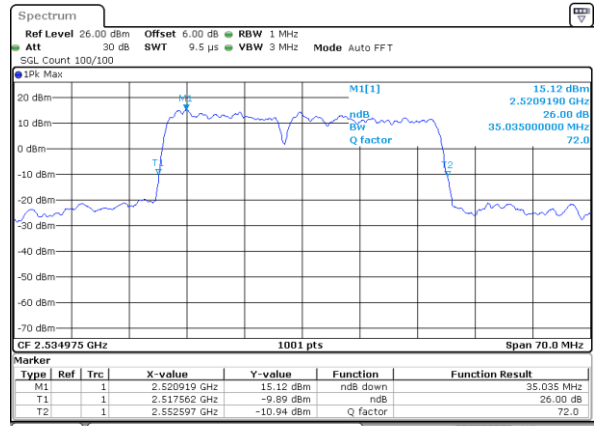
LTE Band 7C

Middle Channel / 15MHz+20MHz / QPSK



Date: 29\_JUL\_2024 10:32:19

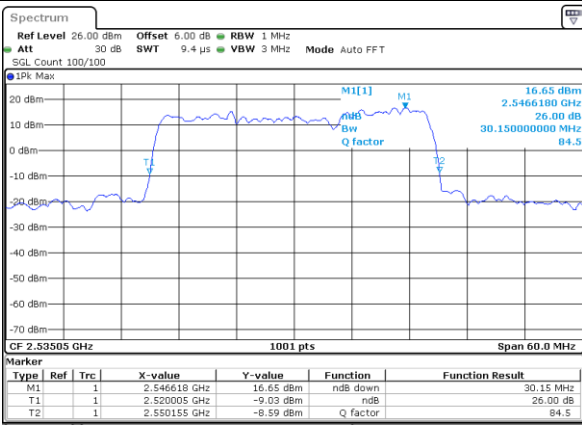
Middle Channel / 15MHz+20MHz / 16QAM



Date: 29\_JUL\_2024 10:33:47

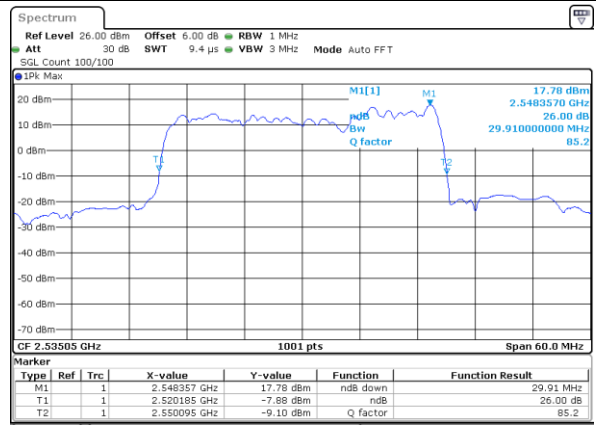
LTE Band 7C

Middle Channel / 20MHz+10MHz / QPSK



Date: 29\_JUL\_2024 11:05:50

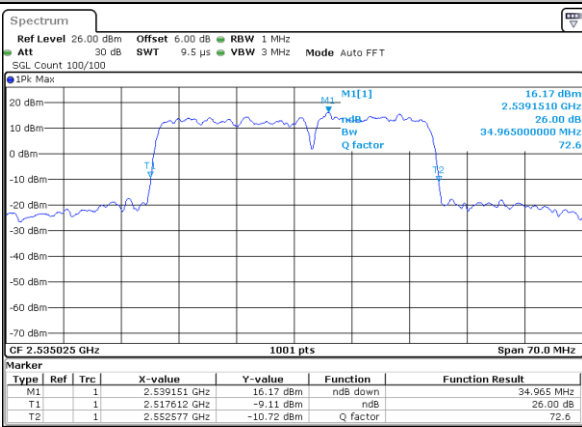
Middle Channel / 20MHz+10MHz / 16QAM



Date: 29\_JUL\_2024 11:07:19

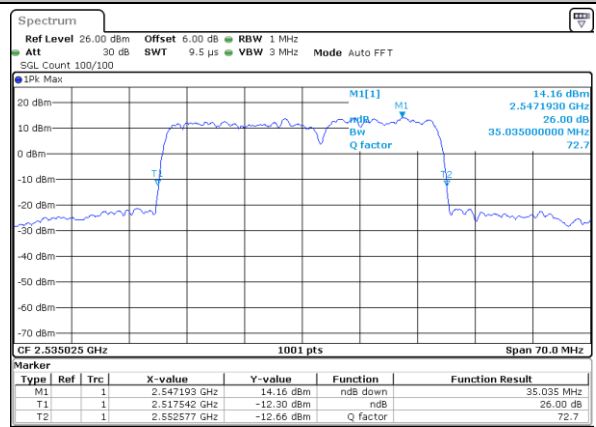
LTE Band 7C

Middle Channel / 20MHz+15MHz / QPSK



Date: 29\_JUL\_2024 11:40:03

Middle Channel / 20MHz+15MHz / 16QAM

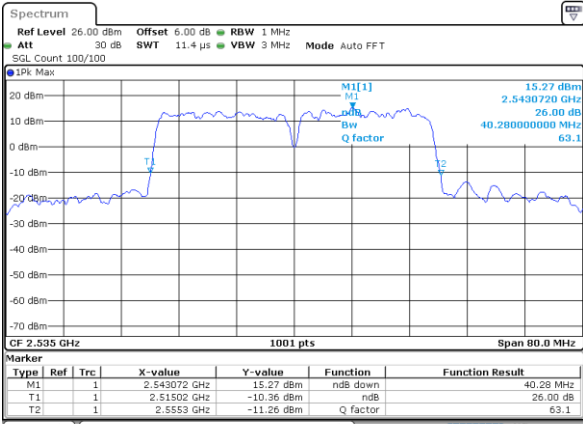


Date: 29\_JUL\_2024 11:41:32

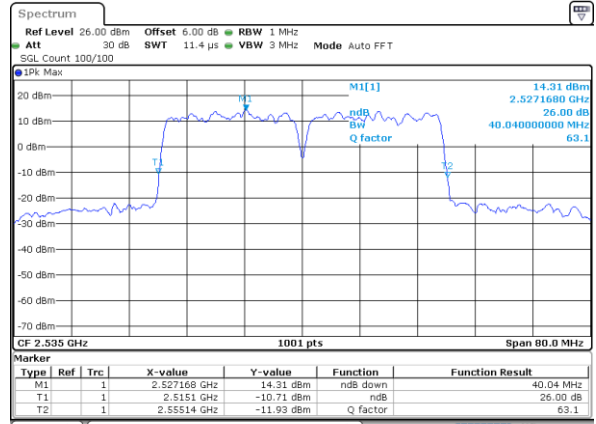


LTE Band 7C

Middle Channel / 20MHz+20MHz / QPSK



Middle Channel / 20MHz+20MHz / 16QAM





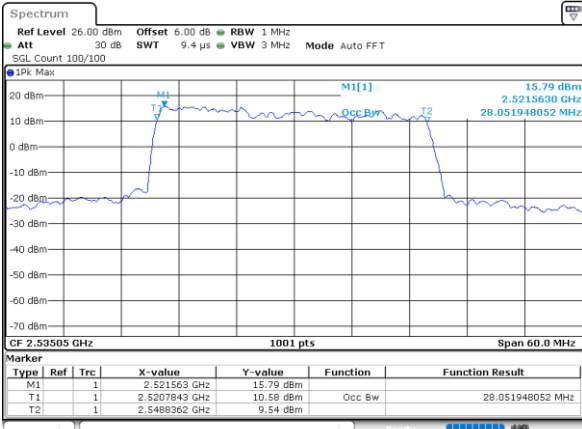
Occupied Bandwidth

Mode	LTE Band 7C : 99%OBW(MHz)	
BW	10MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	28.05	28.17
BW	15MHz+10MHz	
Mod.	QPSK	16QAM
Middle CH	23.48	23.43
BW	15MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	28.71	28.59
BW	15MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	32.80	33.01
BW	20MHz+10MHz	
Mod.	QPSK	16QAM
Middle CH	28.17	28.05
BW	20MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	33.01	32.80
BW	20MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	37.80	37.80



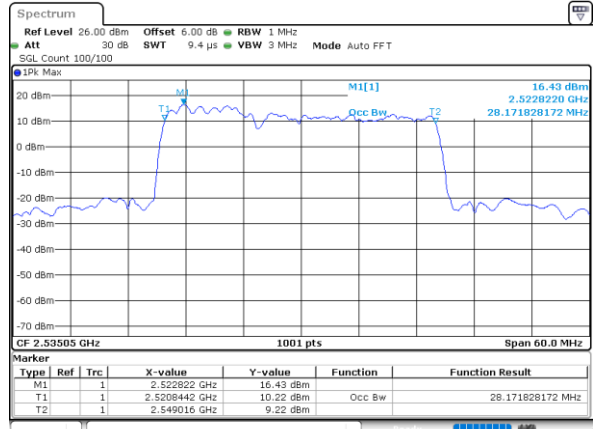
LTE Band 7C

Middle Channel / 10MHz+20MHz / QPSK



Date: 29\_JUL\_2024 08:52:33

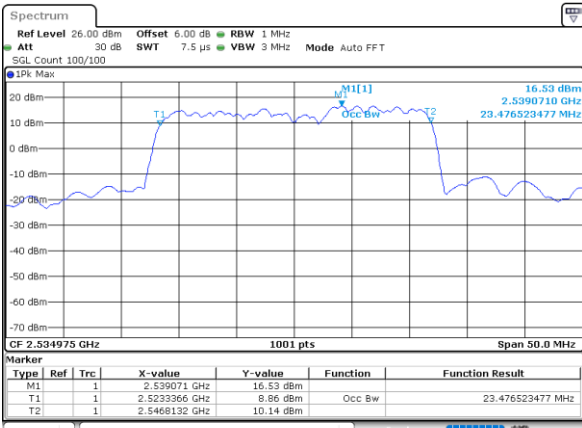
Middle Channel / 10MHz+20MHz / 16QAM



Date: 29\_JUL\_2024 08:53:01

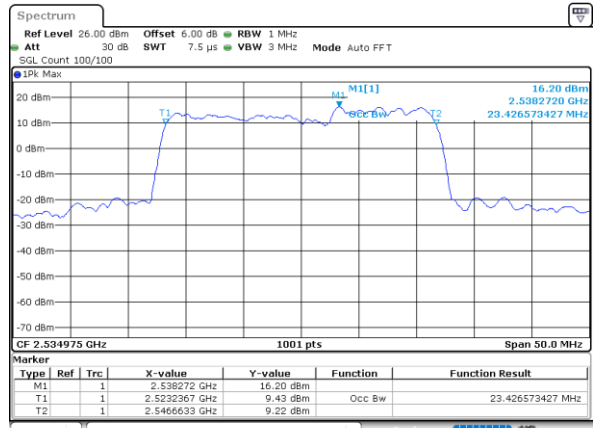
LTE Band 7C

Middle Channel / 15MHz+10MHz / QPSK



Date: 29\_JUL\_2024 09:25:24

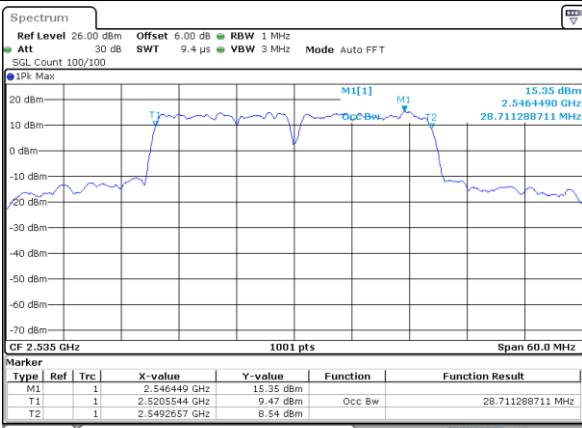
Middle Channel / 15MHz+10MHz / 16QAM



Date: 29\_JUL\_2024 09:25:53

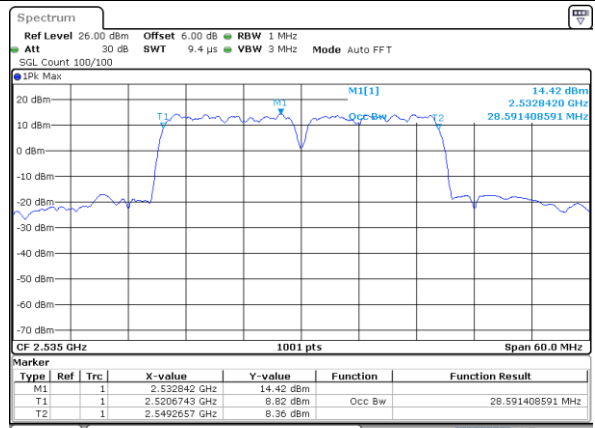
LTE Band 7C

Middle Channel / 15MHz+15MHz / QPSK



Date: 29\_JUL\_2024 09:58:22

Middle Channel / 15MHz+15MHz / 16QAM

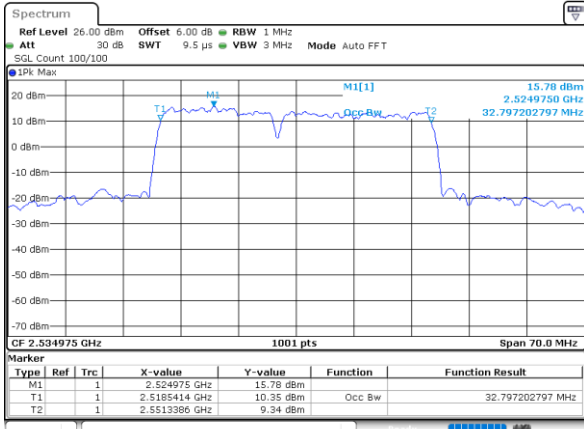


Date: 29\_JUL\_2024 09:58:50



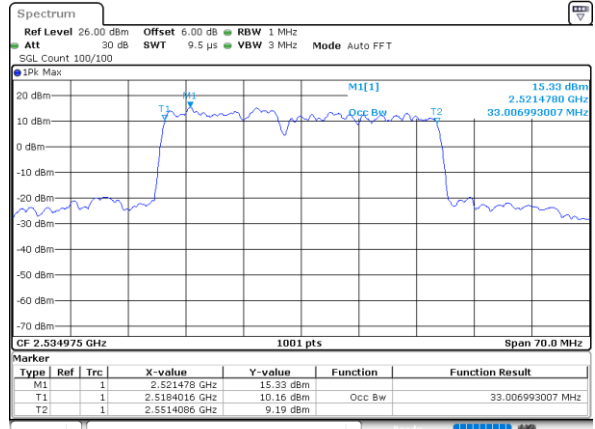
LTE Band 7C

Middle Channel / 15MHz+20MHz / QPSK



Date: 29\_JUL\_2024 10:32:48

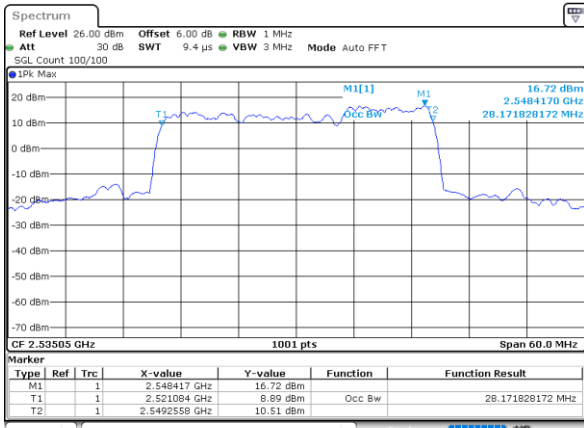
Middle Channel / 15MHz+20MHz / 16QAM



Date: 29\_JUL\_2024 10:33:18

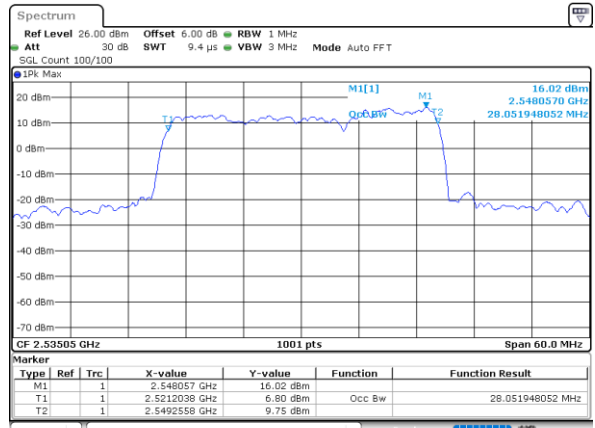
LTE Band 7C

Middle Channel / 20MHz+10MHz / QPSK



Date: 29\_JUL\_2024 11:06:20

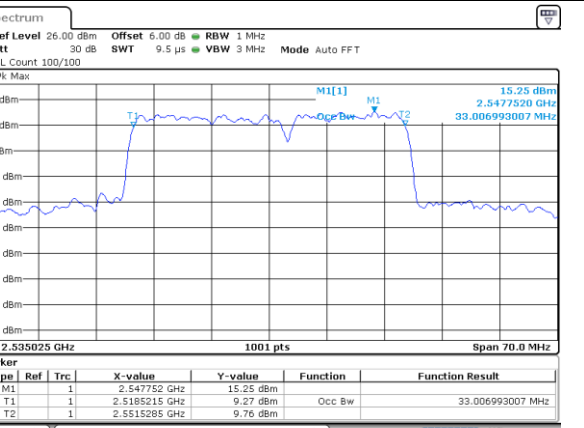
Middle Channel / 20MHz+10MHz / 16QAM



Date: 29\_JUL\_2024 11:06:50

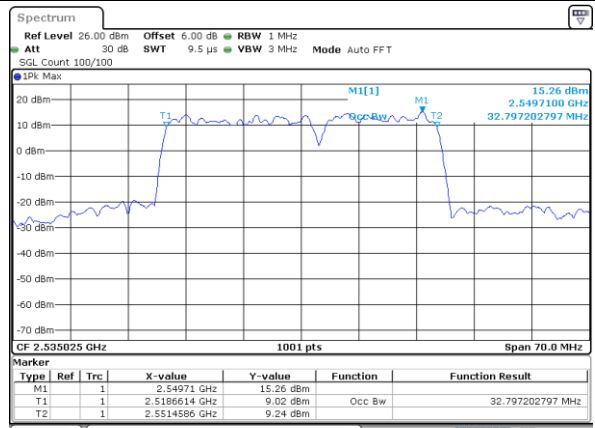
LTE Band 7C

Middle Channel / 20MHz+15MHz / QPSK



Date: 29\_JUL\_2024 11:40:33

Middle Channel / 20MHz+15MHz / 16QAM

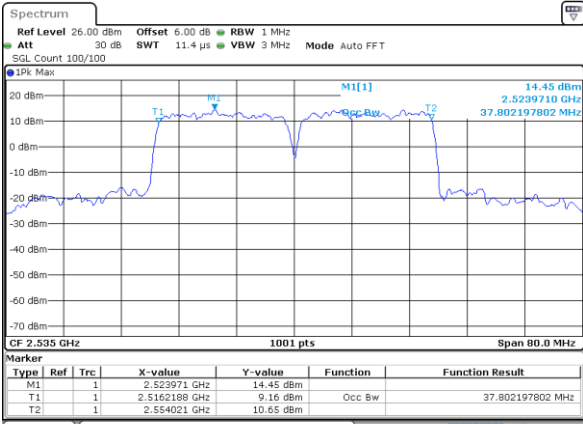


Date: 29\_JUL\_2024 11:41:02



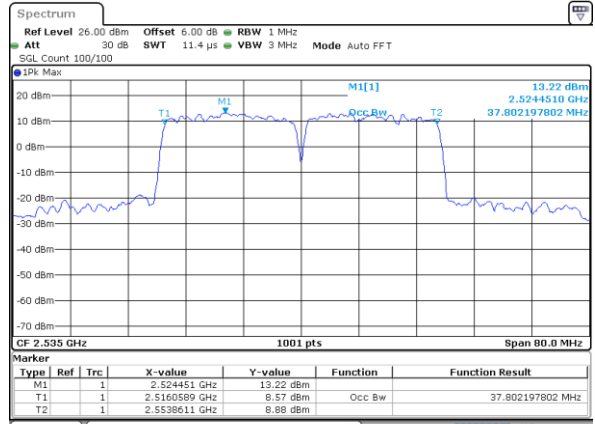
LTE Band 7C

Middle Channel / 20MHz+20MHz / QPSK



Date: 29\_JUL\_2024 12:13:05

Middle Channel / 20MHz+20MHz / 16QAM



Date: 29\_JUL\_2024 12:14:27

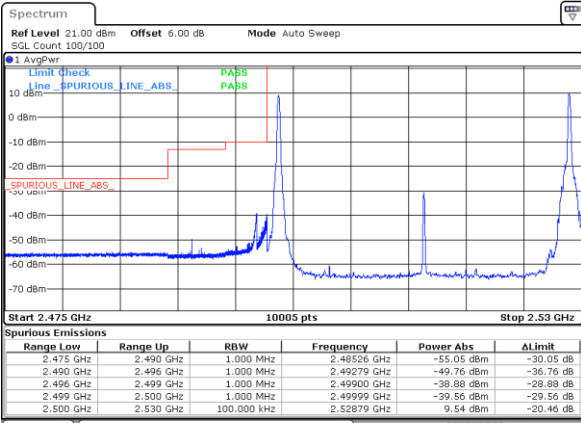


# Conducted Band Edge

## LTE Band 7C / 10MHz+20MHz

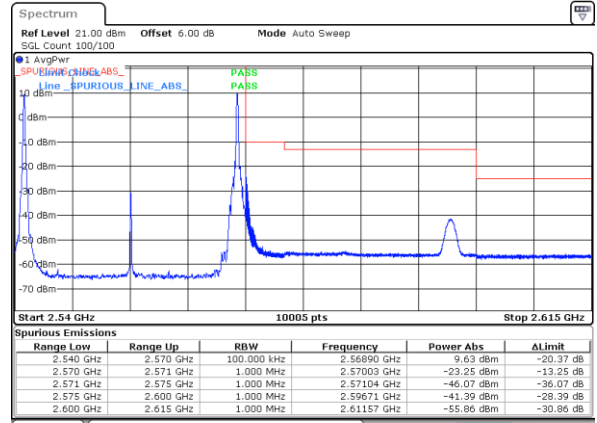
### QPSK

#### Lowest Band Edge / 1RB0 and 1RB9



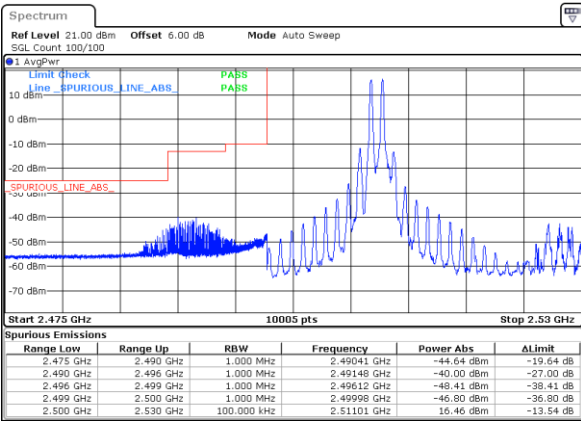
Date: 29\_JUL\_2024 08:37:29

#### Highest Band Edge / 1RB0 and 1RB9



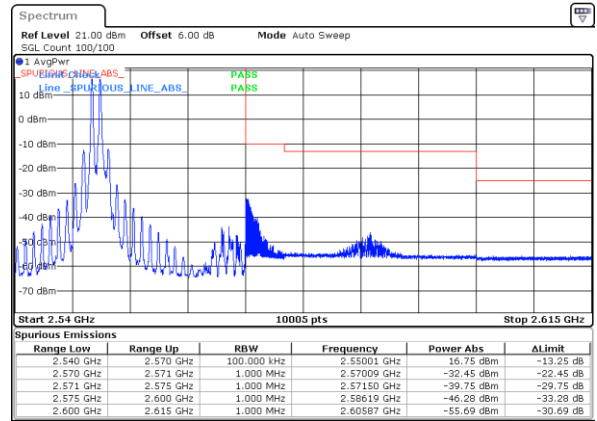
Date: 29\_JUL\_2024 08:57:29

#### Lowest Band Edge / 1RB49 and 1RB0

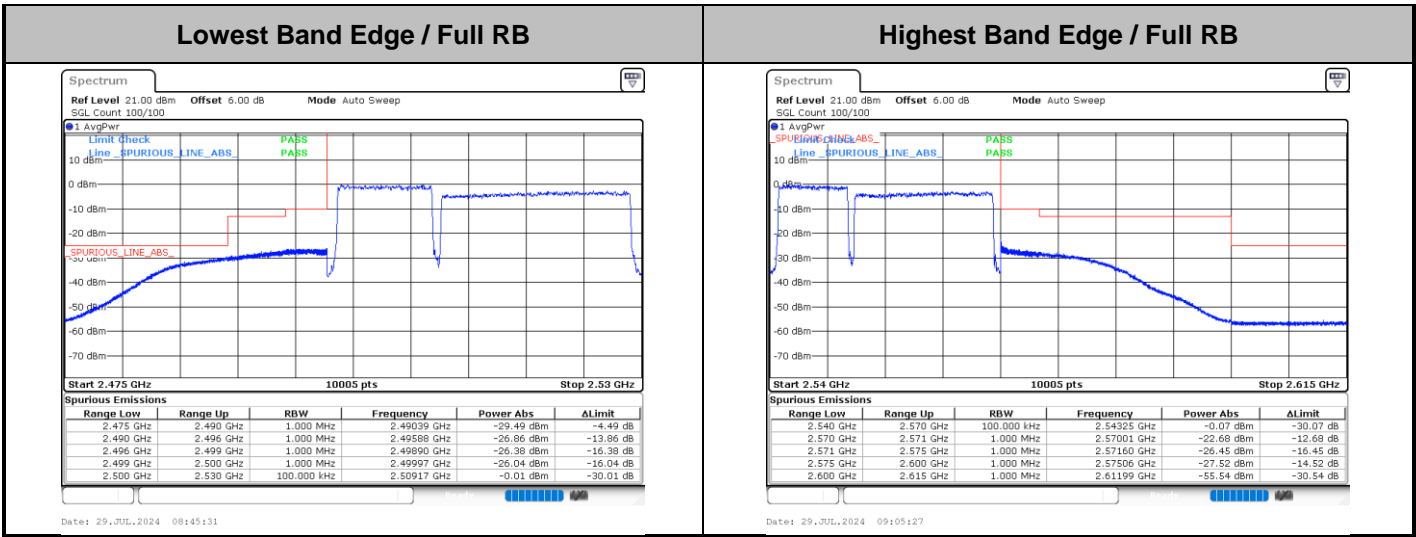


Date: 29\_JUL\_2024 08:41:30

#### Highest Band Edge / 1RB49 and 1RB0



Date: 29\_JUL\_2024 09:01:28



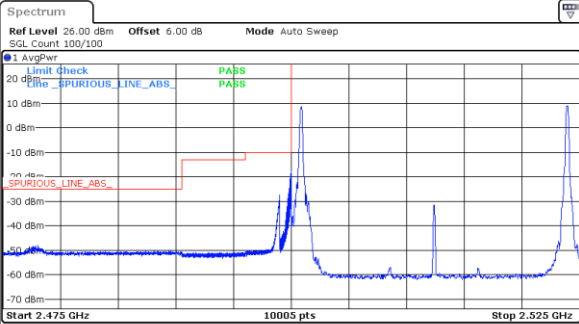


LTE Band 7C / 15MHz+10MHz

QPSK

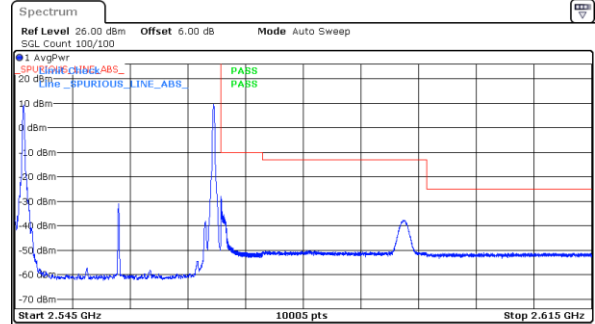
Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.47804 GHz	-47.89 dBm	-22.89 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49171 GHz	-50.91 dBm	-37.91 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49900 GHz	-27.49 dBm	-17.49 dB
2.499 GHz	2.500 GHz	1.000 MHz	2.49998 GHz	-17.68 dBm	-7.68 dB
2.500 GHz	2.525 GHz	100.000 kHz	2.52389 GHz	9.87 dBm	+21.13 dB

Date: 29\_JUL\_2024 09:11:47

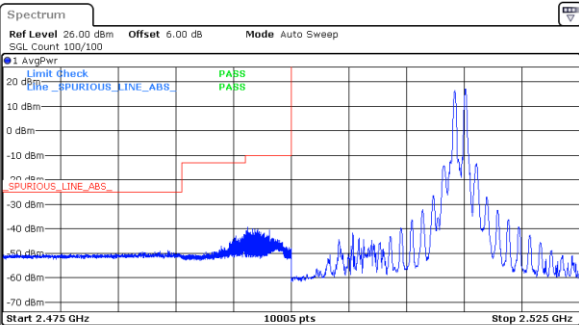


Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.570 GHz	100.000 kHz	2.56913 GHz	9.63 dBm	-20.47 dB
2.570 GHz	2.571 GHz	1.000 MHz	2.57001 GHz	-28.05 dBm	-18.05 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57116 GHz	-48.32 dBm	-38.32 dB
2.575 GHz	2.595 GHz	1.000 MHz	2.59210 GHz	-37.77 dBm	-24.77 dB
2.595 GHz	2.615 GHz	1.000 MHz	2.60186 GHz	-51.09 dBm	-26.09 dB

Date: 29\_JUL\_2024 09:13:22

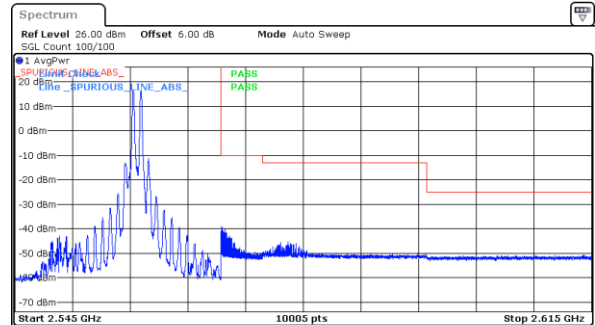
Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48932 GHz	-48.94 dBm	-23.94 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49587 GHz	-42.49 dBm	-29.49 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49623 GHz	-39.33 dBm	-29.33 dB
2.499 GHz	2.500 GHz	1.000 MHz	2.49918 GHz	-45.51 dBm	-35.51 dB
2.500 GHz	2.525 GHz	100.000 kHz	2.51510 GHz	17.01 dBm	-12.99 dB

Date: 29\_JUL\_2024 09:15:47

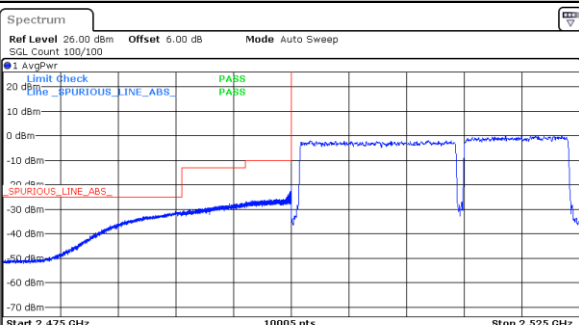


Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.570 GHz	100.000 kHz	2.55935 GHz	16.83 dBm	-13.17 dB
2.570 GHz	2.571 GHz	1.000 MHz	2.57005 GHz	-39.18 dBm	-29.18 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57104 GHz	-42.85 dBm	-32.85 dB
2.575 GHz	2.595 GHz	1.000 MHz	2.57818 GHz	-45.40 dBm	-32.40 dB
2.595 GHz	2.615 GHz	1.000 MHz	2.61399 GHz	-50.85 dBm	-25.85 dB

Date: 29\_JUL\_2024 09:34:20

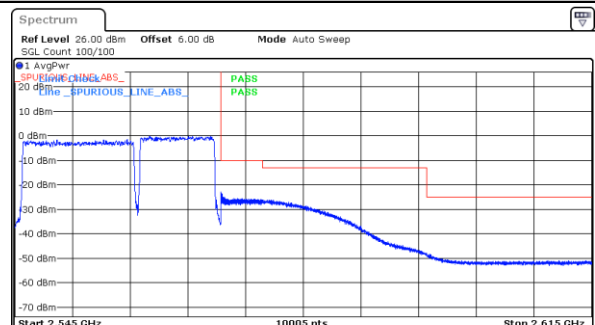
Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49039 GHz	-31.04 dBm	-6.04 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49572 GHz	-27.52 dBm	-14.52 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49899 GHz	-25.90 dBm	-15.90 dB
2.499 GHz	2.500 GHz	1.000 MHz	2.49998 GHz	-20.55 dBm	-10.55 dB
2.500 GHz	2.525 GHz	100.000 kHz	2.52190 GHz	-0.16 dBm	-30.16 dB

Date: 29\_JUL\_2024 09:19:47



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.570 GHz	100.000 kHz	2.56656 GHz	-0.17 dBm	-30.17 dB
2.570 GHz	2.571 GHz	1.000 MHz	2.57002 GHz	-22.85 dBm	-12.85 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57155 GHz	-25.64 dBm	-15.64 dB
2.575 GHz	2.595 GHz	1.000 MHz	2.57511 GHz	-26.10 dBm	-13.10 dB
2.595 GHz	2.615 GHz	1.000 MHz	2.59531 GHz	-48.48 dBm	-23.48 dB

Date: 29\_JUL\_2024 09:38:19

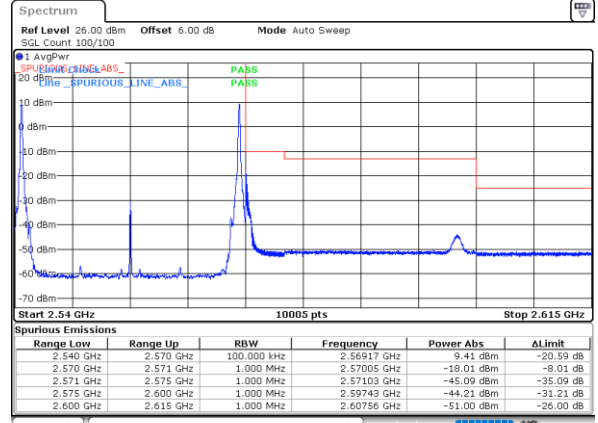
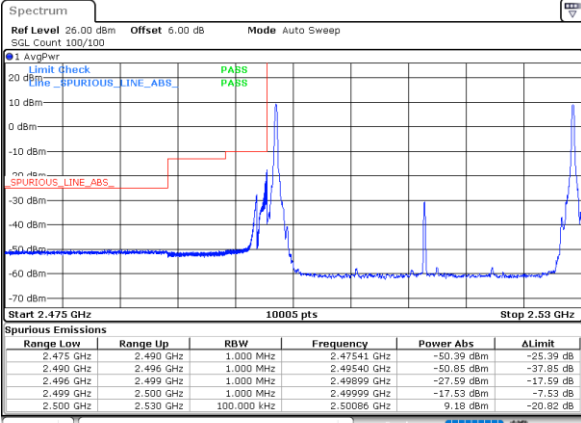


LTE Band 7C / 15MHz+15MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

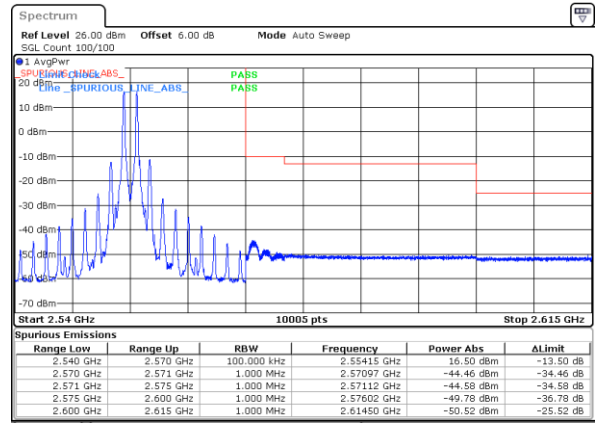
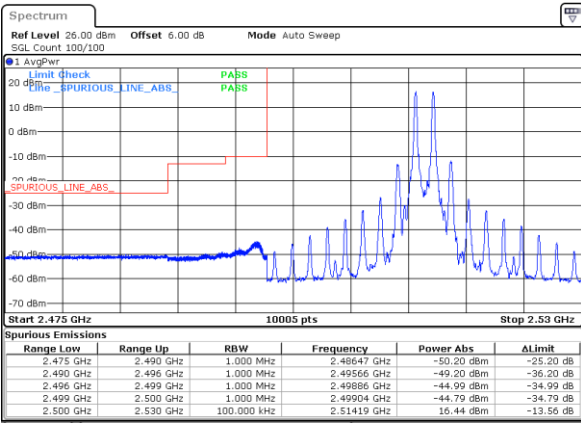


Date: 29\_JUL\_2024 09:43:49

Date: 29\_JUL\_2024 10:03:12

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

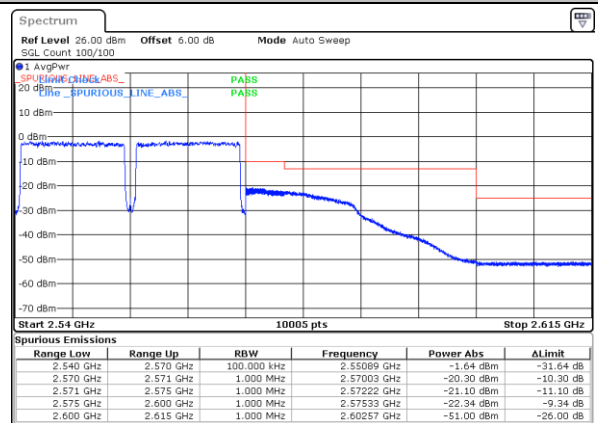
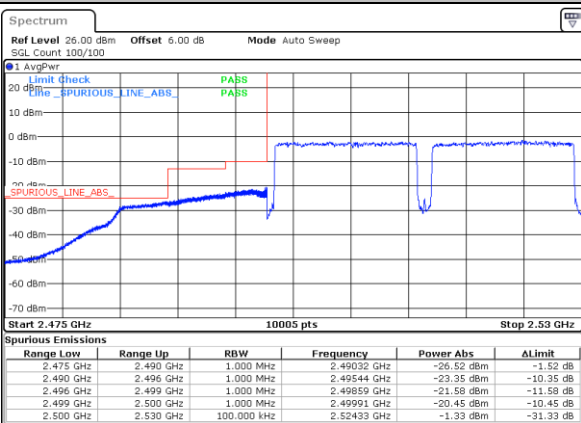


Date: 29\_JUL\_2024 09:47:41

Date: 29\_JUL\_2024 10:07:03

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29\_JUL\_2024 09:51:33

Date: 29\_JUL\_2024 10:10:54

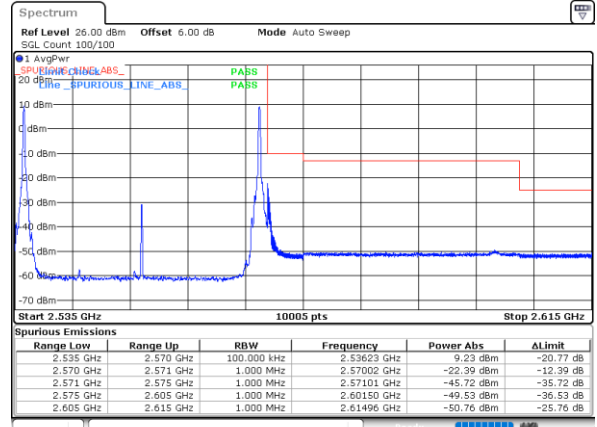
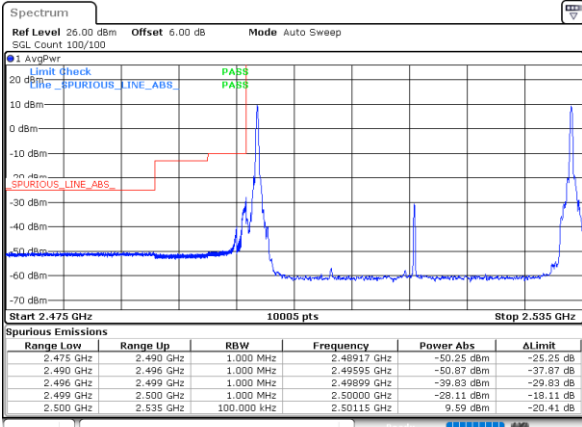


LTE Band 7C / 15MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

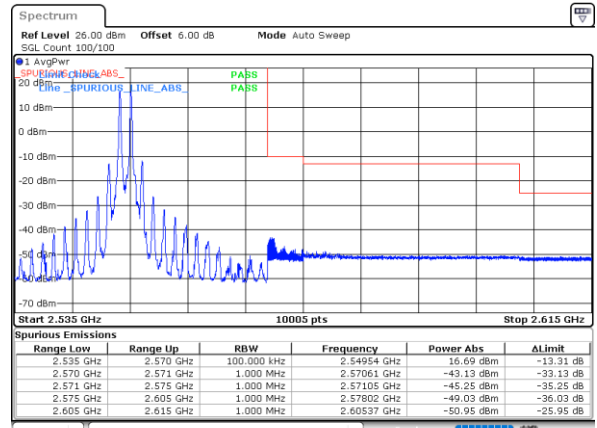
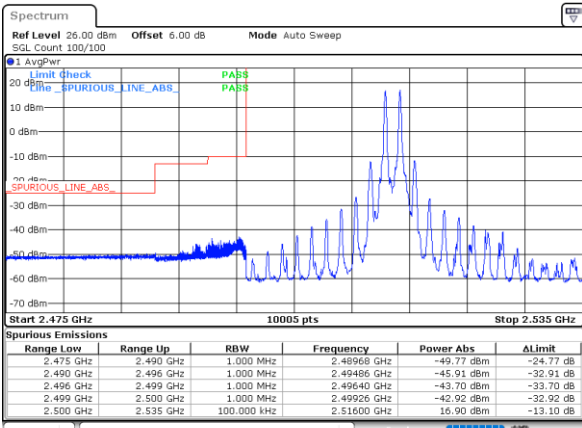


Date: 29\_JUL\_2024 10:17:47

Date: 29\_JUL\_2024 10:37:47

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

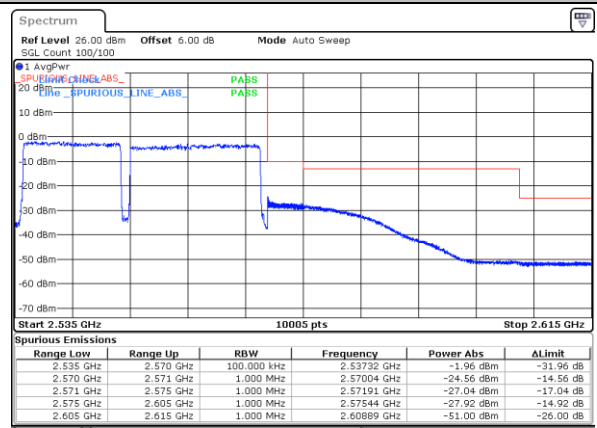
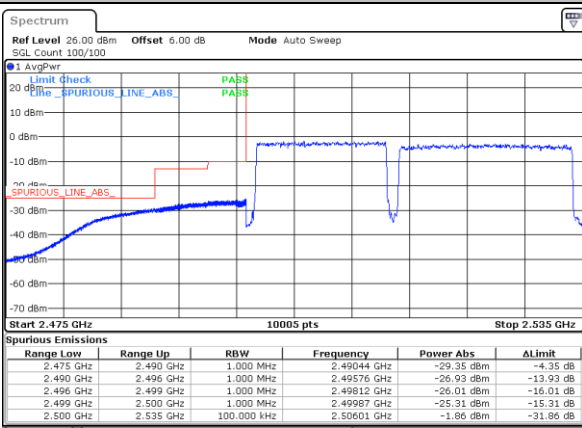


Date: 29\_JUL\_2024 10:21:47

Date: 29\_JUL\_2024 10:41:45

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29\_JUL\_2024 10:25:47

Date: 29\_JUL\_2024 10:45:43

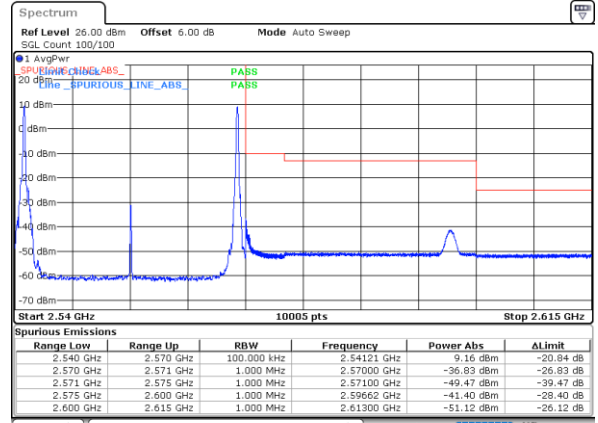
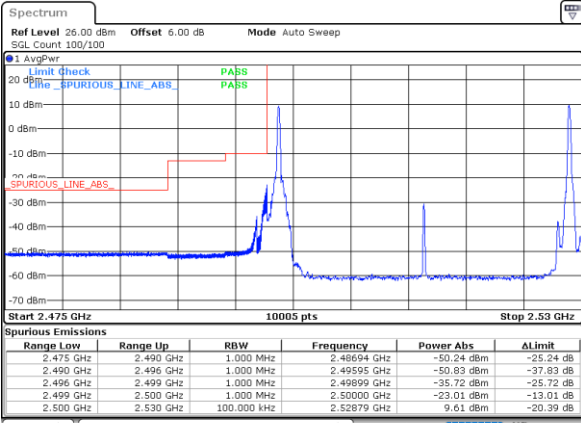


LTE Band 7C / 20MHz+10MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

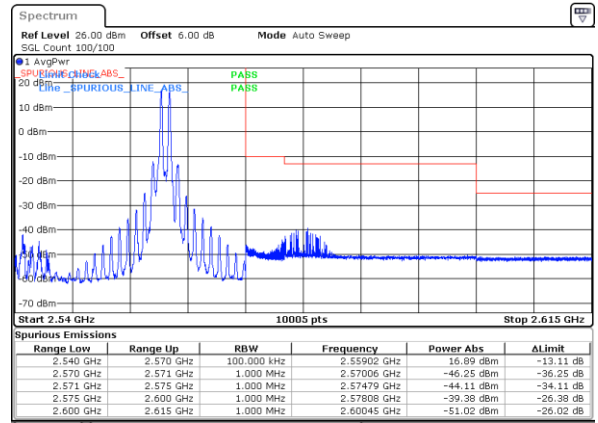
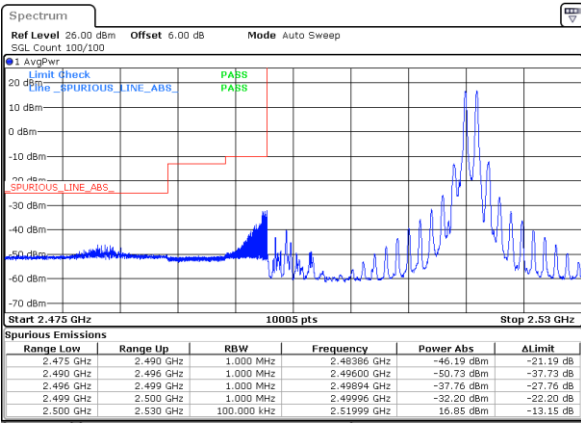


Date: 29\_JUL\_2024 10:52:45

Date: 29\_JUL\_2024 11:11:10

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

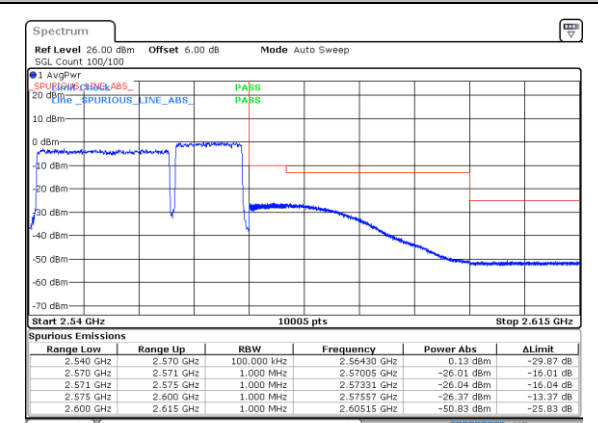
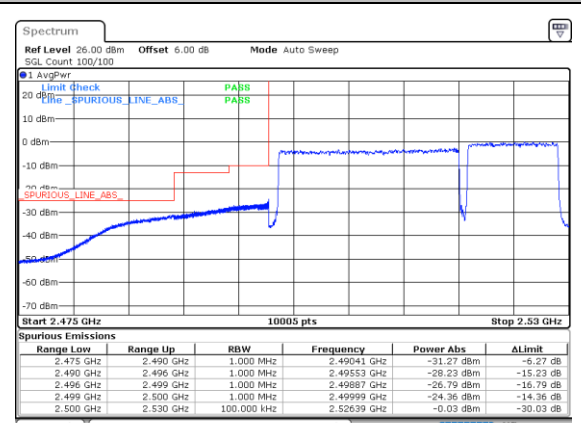


Date: 29\_JUL\_2024 10:56:45

Date: 29\_JUL\_2024 11:15:16

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



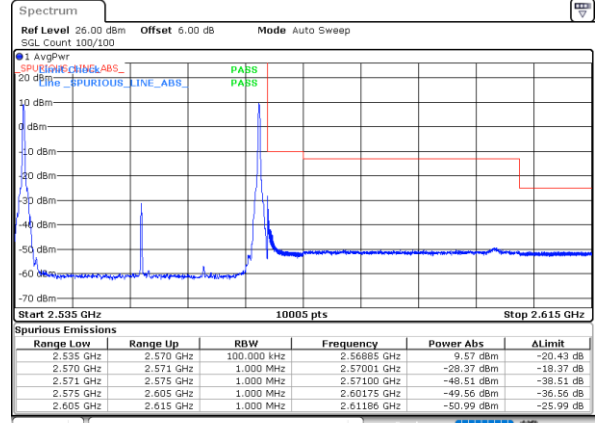
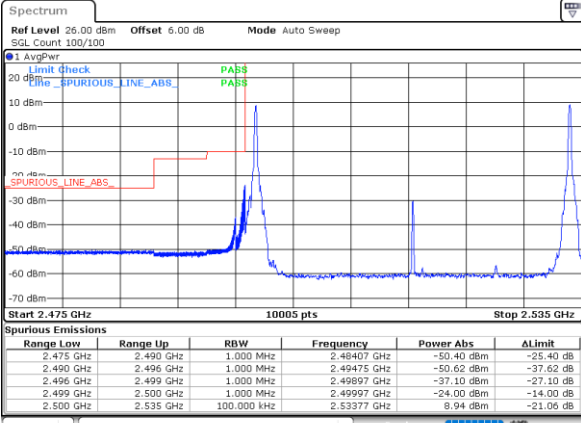


LTE Band 7C / 20MHz+15MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

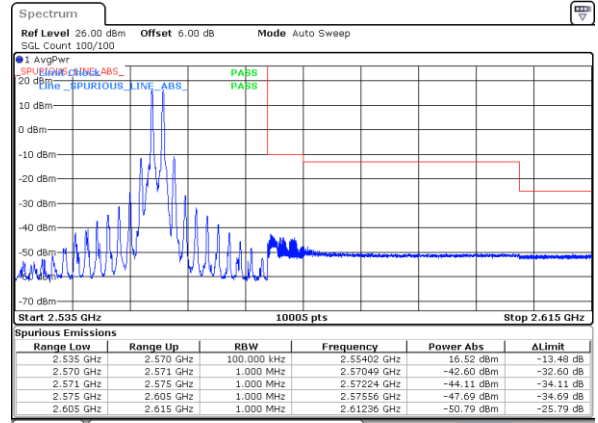
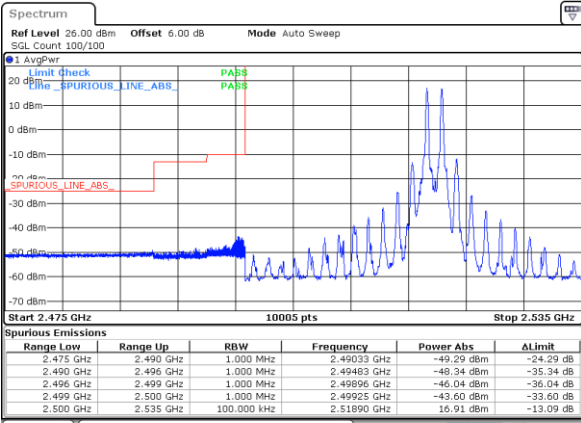


Date: 29\_JUL\_2024 11:24:49

Date: 29\_JUL\_2024 11:45:31

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

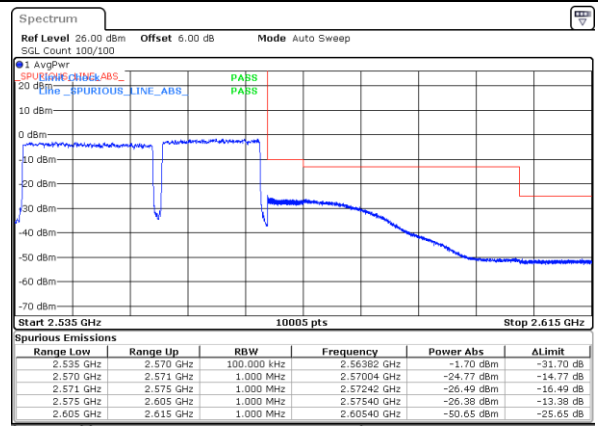
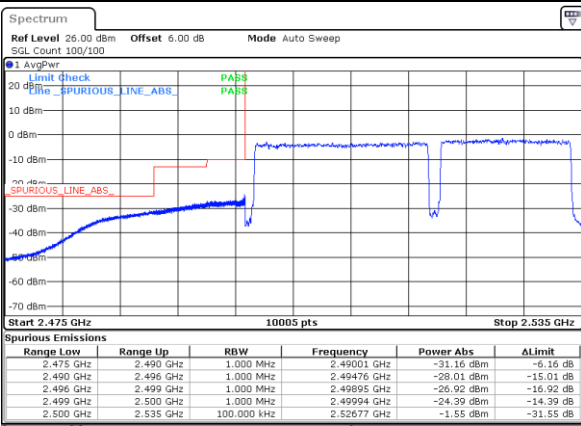


Date: 29\_JUL\_2024 11:28:49

Date: 29\_JUL\_2024 11:49:30

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29\_JUL\_2024 11:32:49

Date: 29\_JUL\_2024 11:53:29

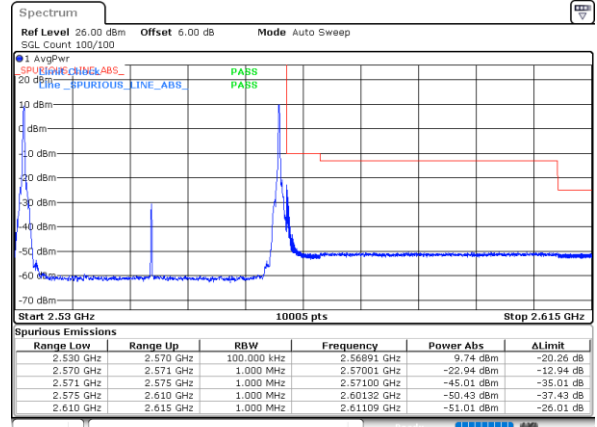
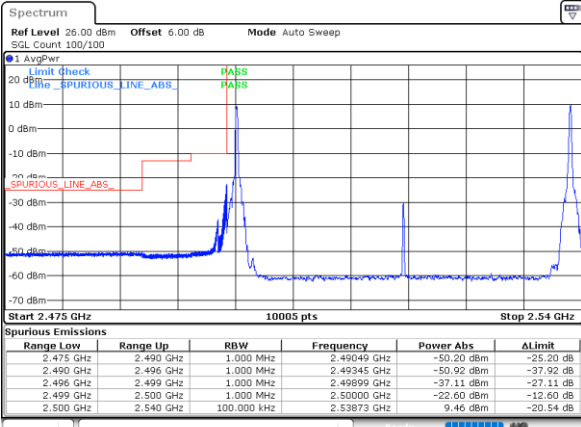


LTE Band 7C / 20MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

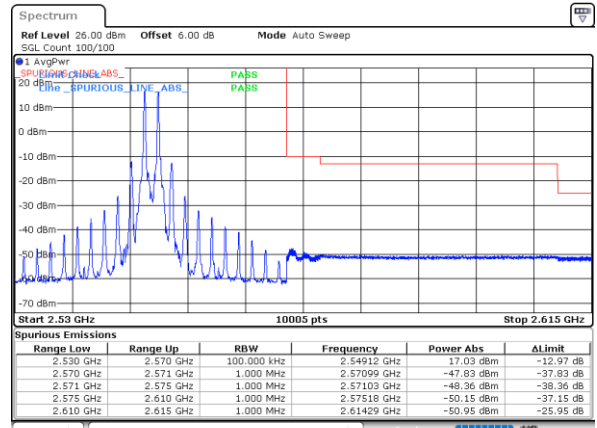
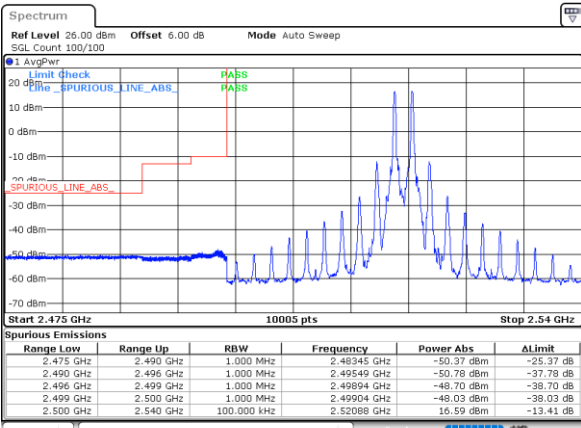


Date: 29\_JUL\_2024 11:58:59

Date: 29\_JUL\_2024 12:18:23

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

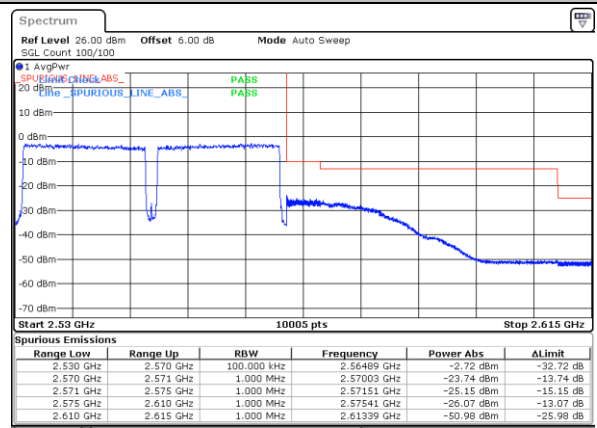
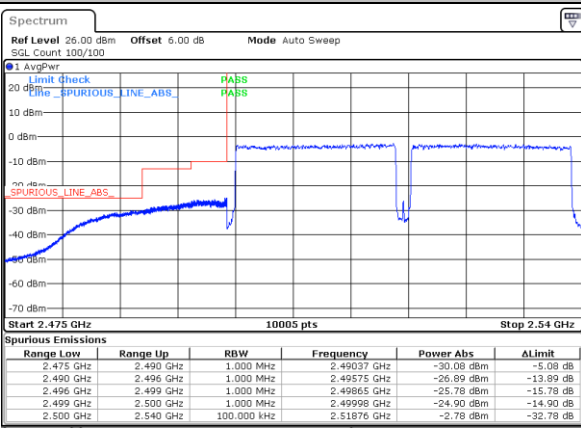


Date: 29\_JUL\_2024 12:02:51

Date: 29\_JUL\_2024 12:22:13

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29\_JUL\_2024 12:06:43

Date: 29\_JUL\_2024 12:26:04

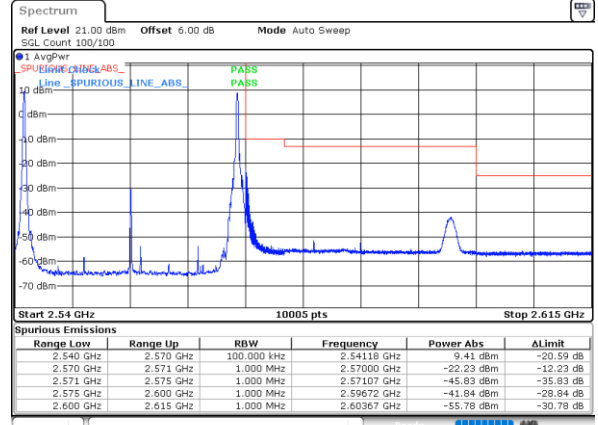
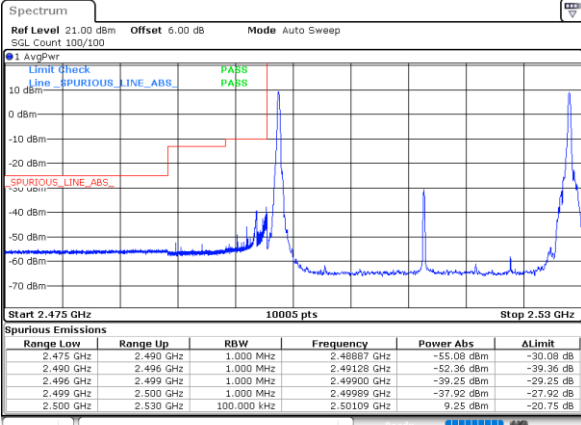


LTE Band 7C / 10MHz+20MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

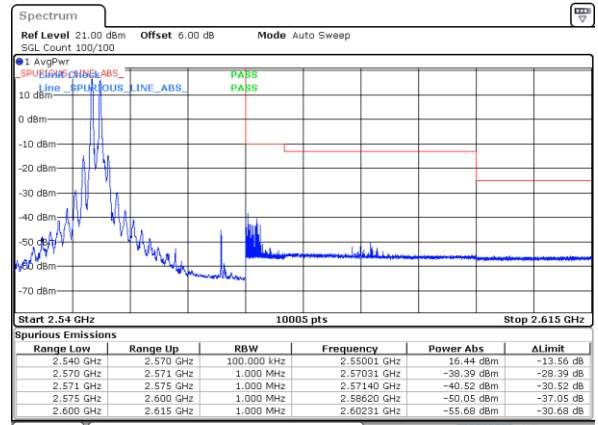
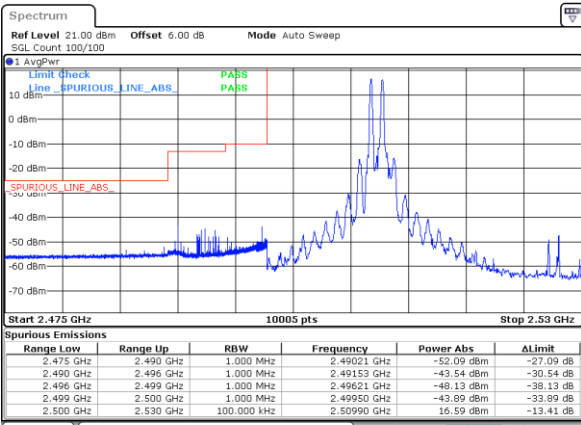


Date: 29\_JUL\_2024 08:38:29

Date: 29\_JUL\_2024 08:58:29

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

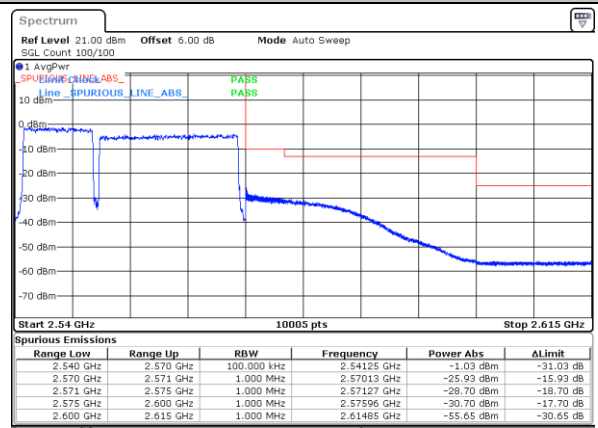
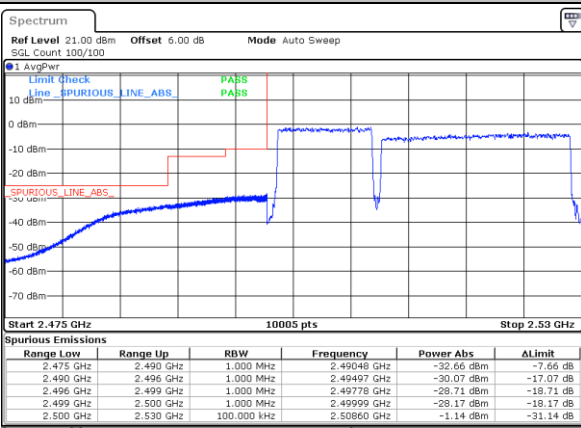


Date: 29\_JUL\_2024 08:42:30

Date: 29\_JUL\_2024 09:02:27

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29\_JUL\_2024 08:46:30

Date: 29\_JUL\_2024 09:06:26

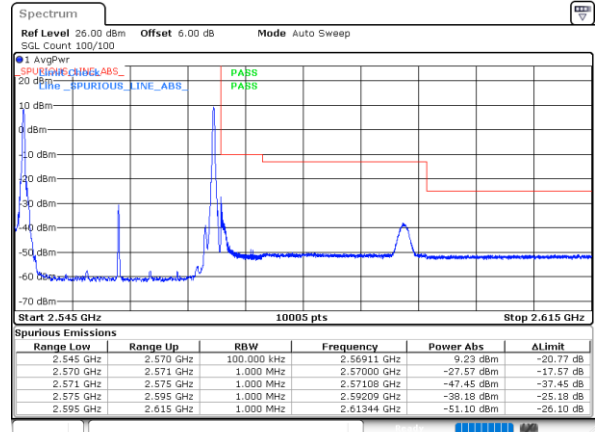
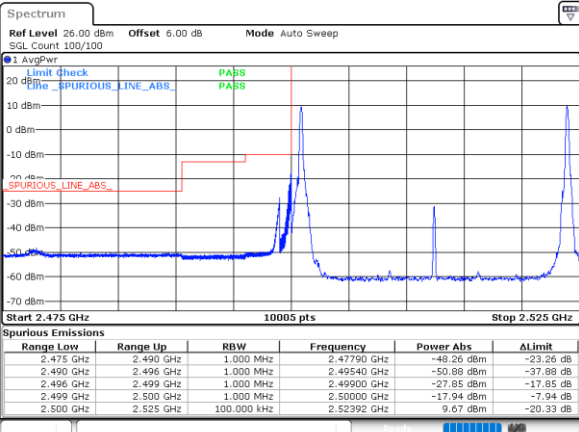


LTE Band 7C / 15MHz+10MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

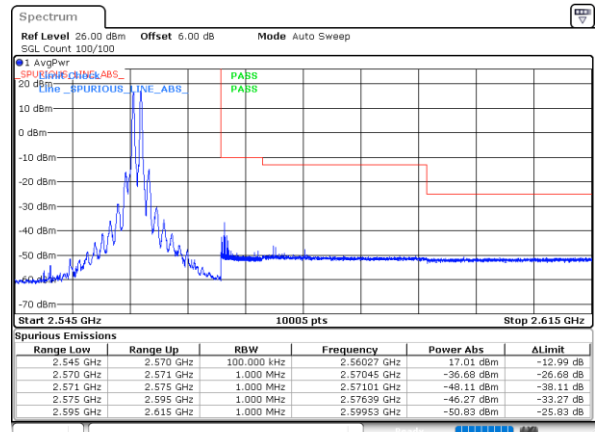
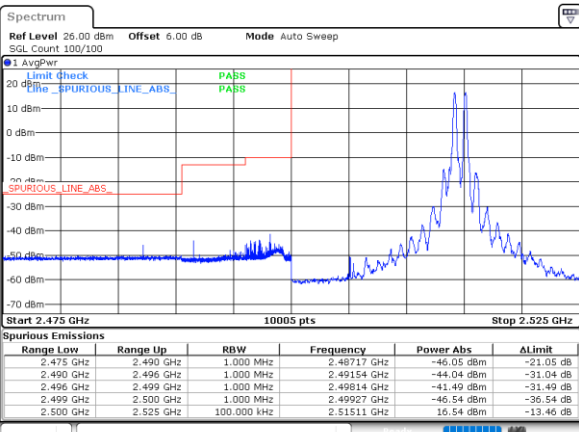


Date: 29\_JUL\_2024 09:12:47

Date: 29\_JUL\_2024 09:13:22

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

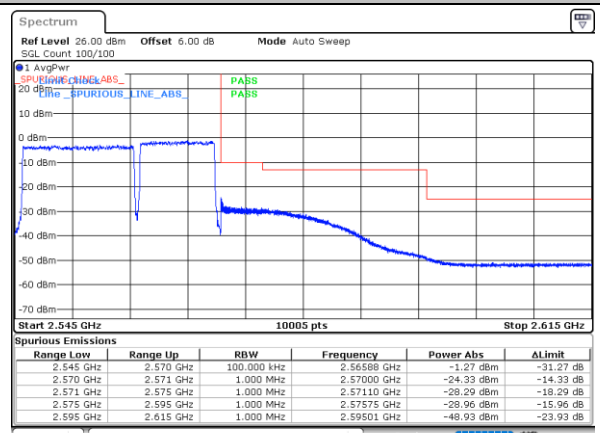
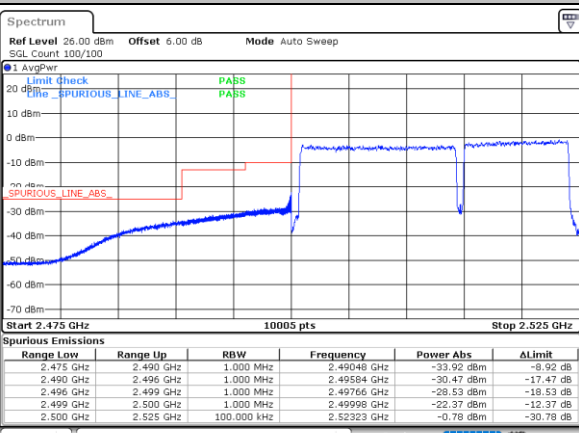


Date: 29\_JUL\_2024 09:16:47

Date: 29\_JUL\_2024 09:35:20

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29\_JUL\_2024 09:20:47

Date: 29\_JUL\_2024 09:39:18

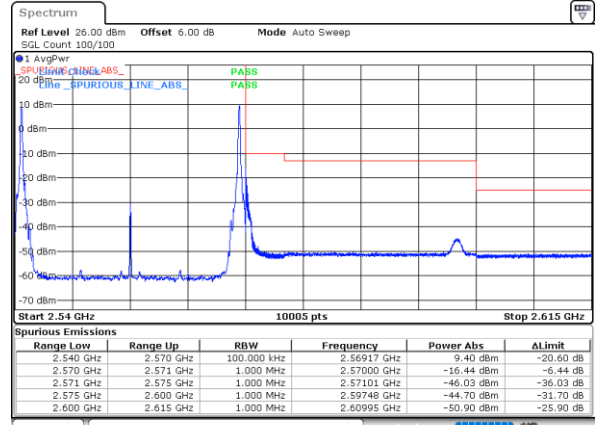
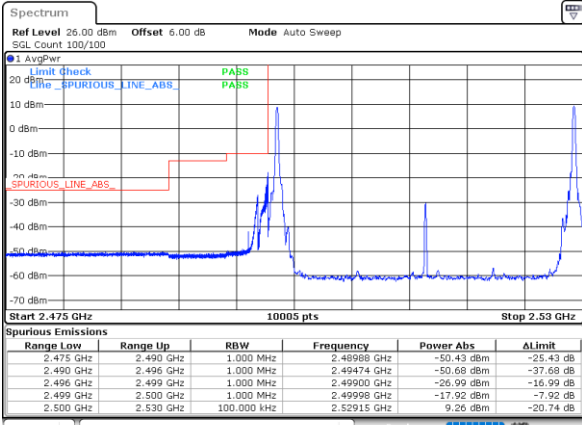


LTE Band 7C / 15MHz+15MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

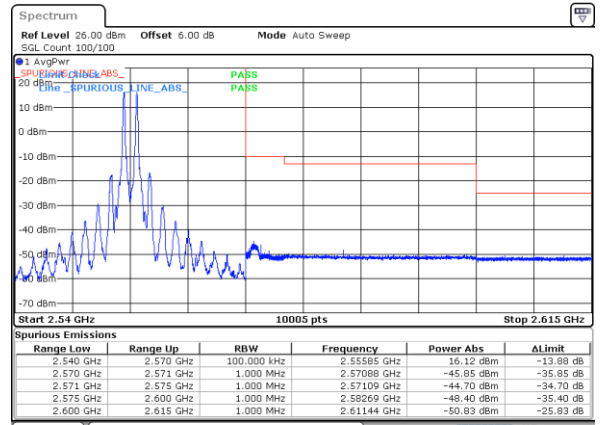
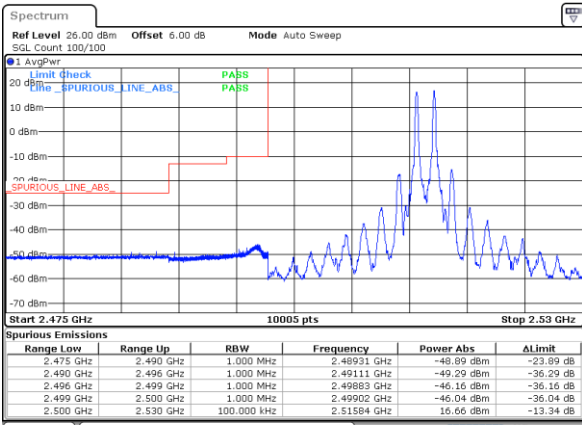


Date: 29\_JUL\_2024 09:44:47

Date: 29\_JUL\_2024 10:04:10

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

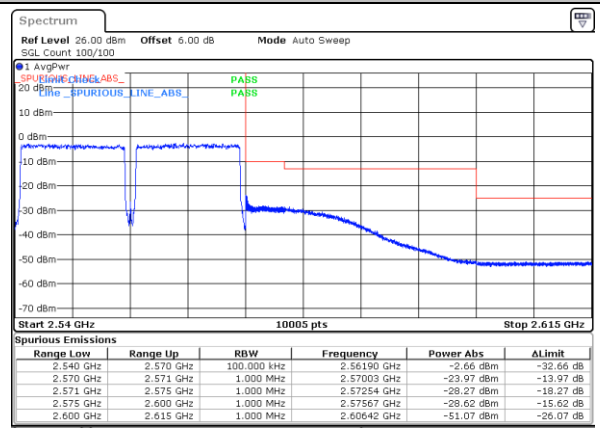
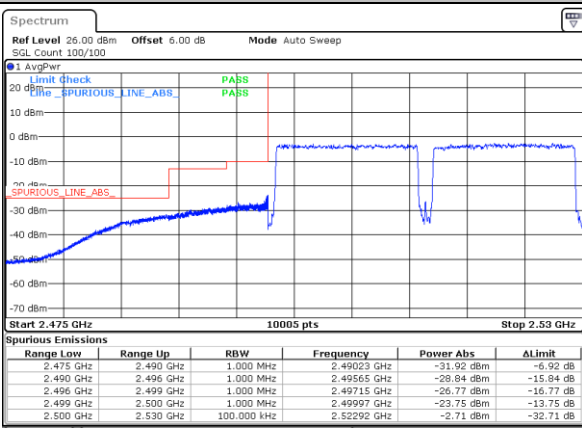


Date: 29\_JUL\_2024 09:48:39

Date: 29\_JUL\_2024 10:08:00

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29\_JUL\_2024 09:52:31

Date: 29\_JUL\_2024 10:11:51

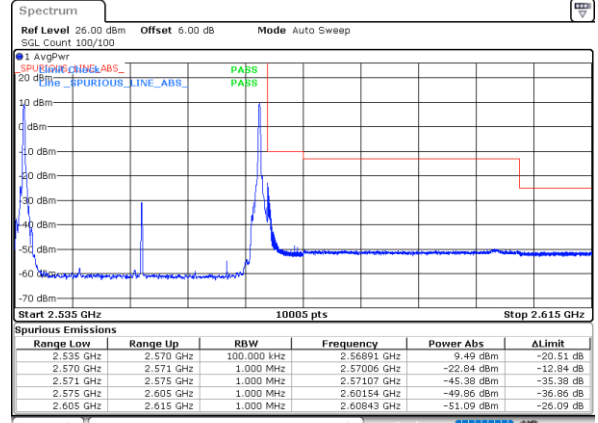
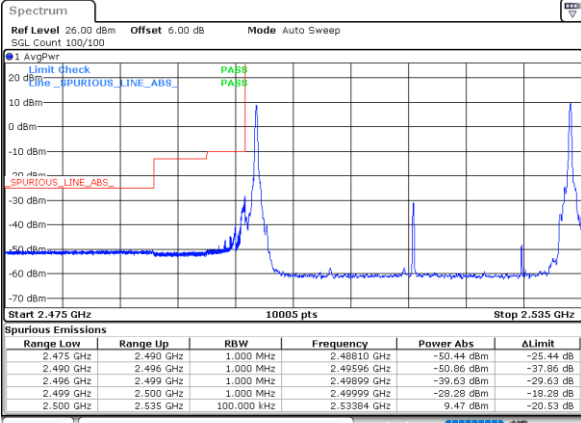


LTE Band 7C / 15MHz+20MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

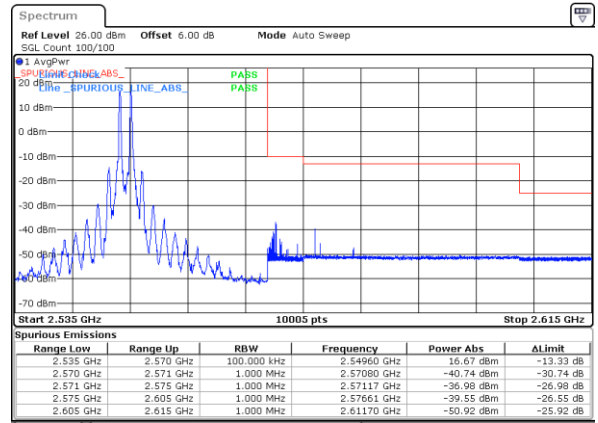
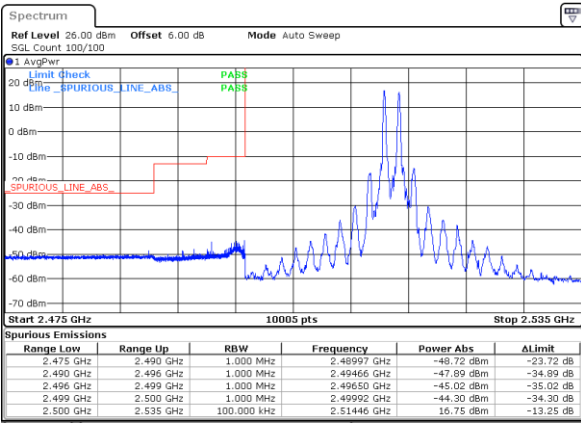


Date: 29\_JUL\_2024 10:18:47

Date: 29\_JUL\_2024 10:38:46

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

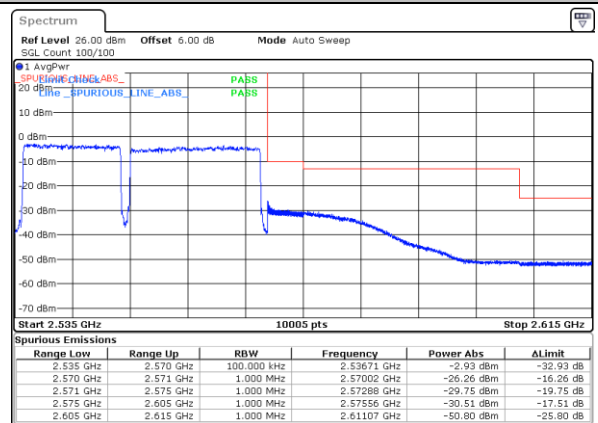
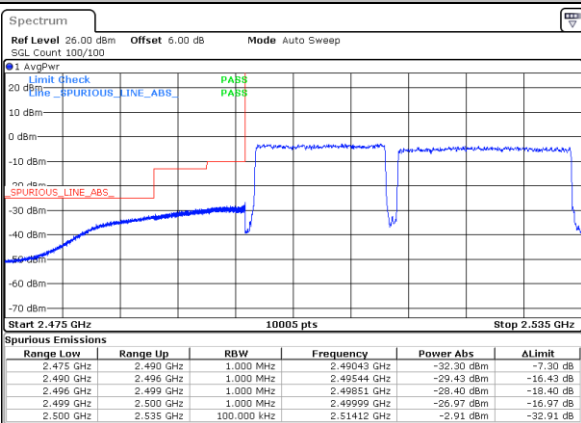


Date: 29\_JUL\_2024 10:22:47

Date: 29\_JUL\_2024 10:42:44

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29\_JUL\_2024 10:26:47

Date: 29\_JUL\_2024 10:46:43

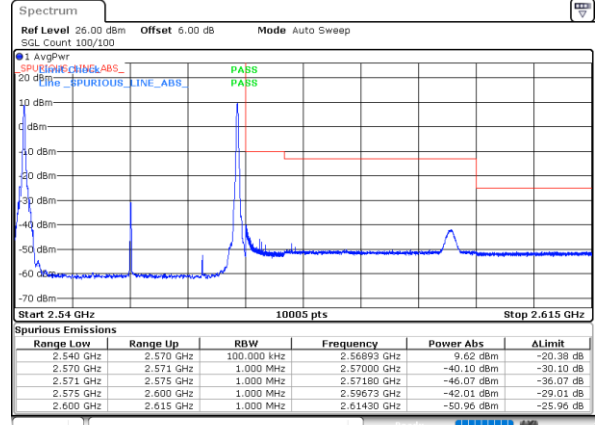
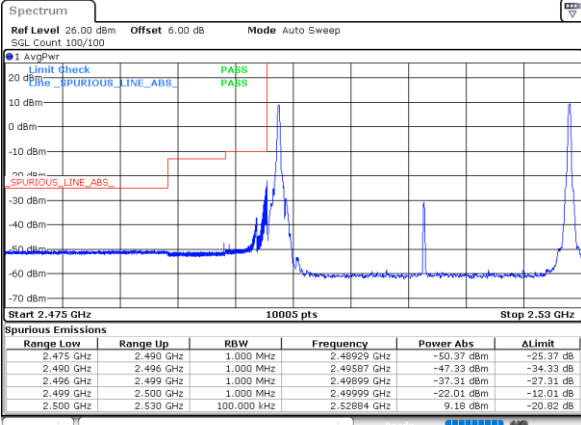


LTE Band 7C / 20MHz+10MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

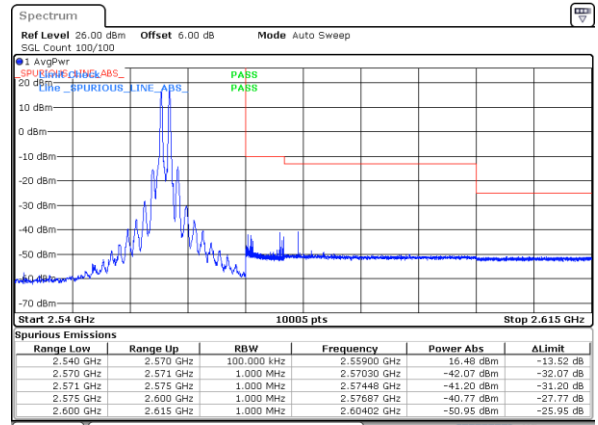
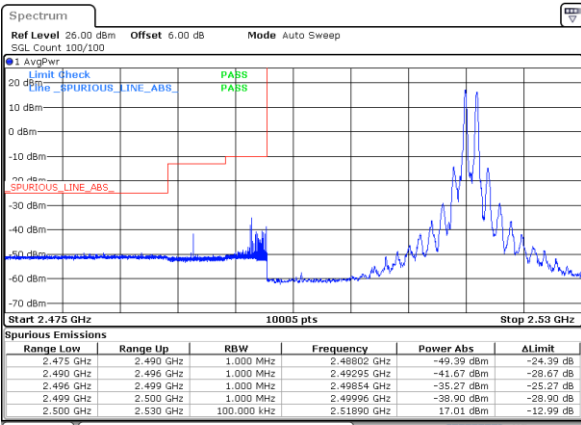


Date: 29\_JUL\_2024 10:53:45

Date: 29\_JUL\_2024 11:12:18

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

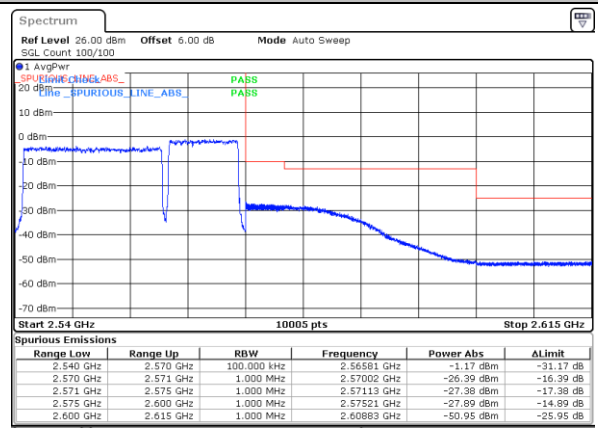
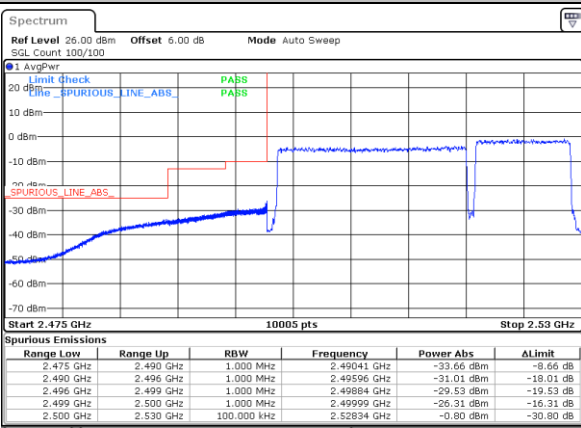


Date: 29\_JUL\_2024 10:57:45

Date: 29\_JUL\_2024 11:16:16

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29\_JUL\_2024 11:01:45

Date: 29\_JUL\_2024 11:20:15

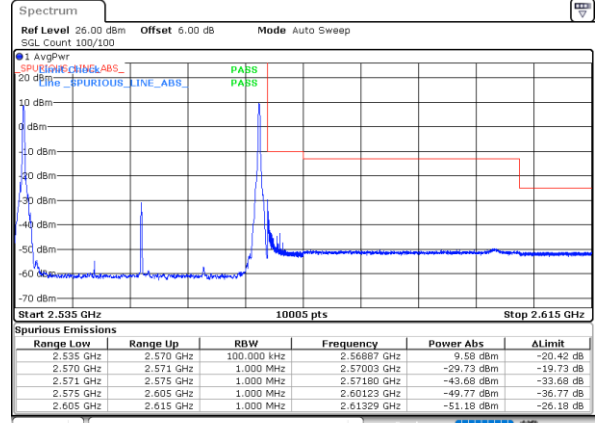
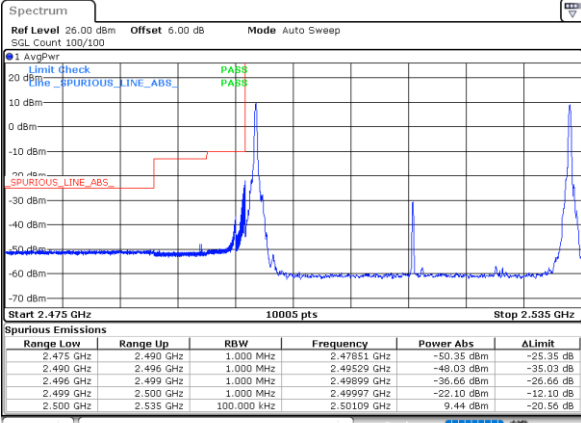


LTE Band 7C / 20MHz+15MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

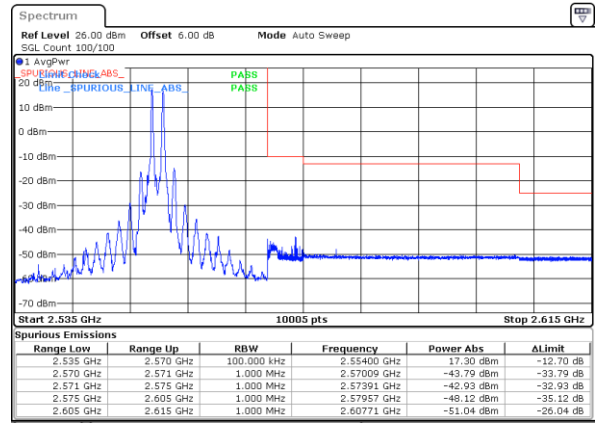
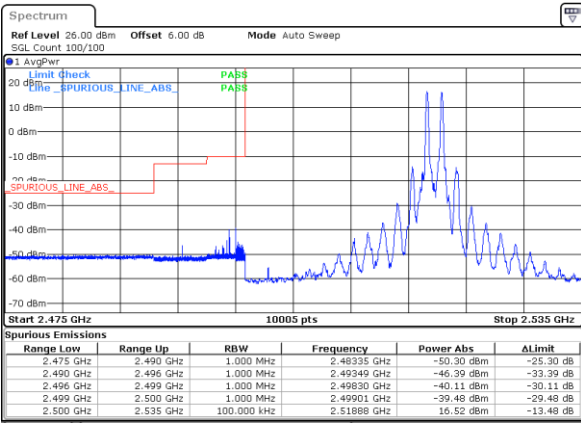


Date: 29\_JUL\_2024 11:25:49

Date: 29\_JUL\_2024 11:46:31

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

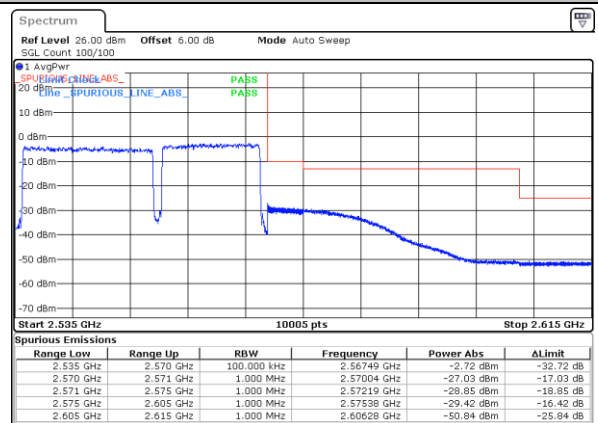
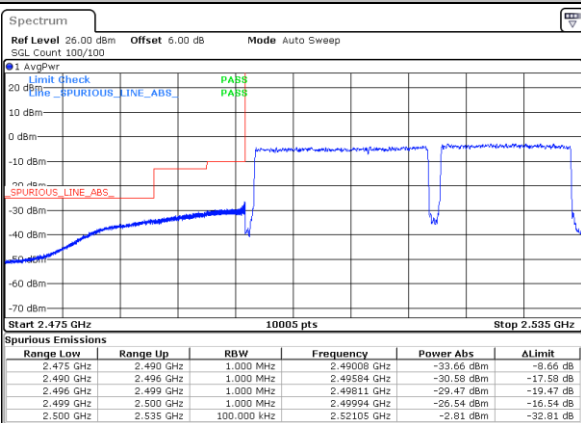


Date: 29\_JUL\_2024 11:29:49

Date: 29\_JUL\_2024 11:50:29

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29\_JUL\_2024 11:33:49

Date: 29\_JUL\_2024 11:54:28