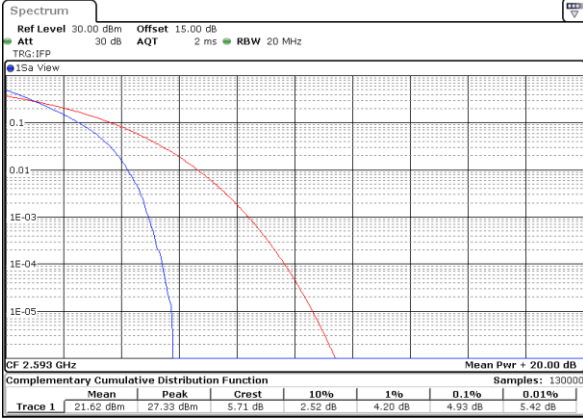




LTE Band 41 / 20MHz / QPSK

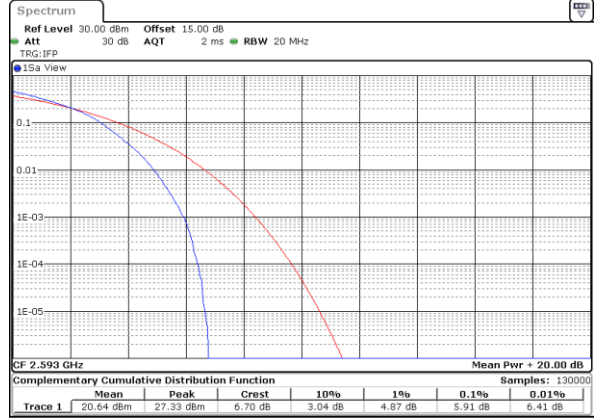
Middle Channel / Full RB



Date: 28 JUN 2024 16:17:35

LTE Band 41 / 20MHz / 16QAM

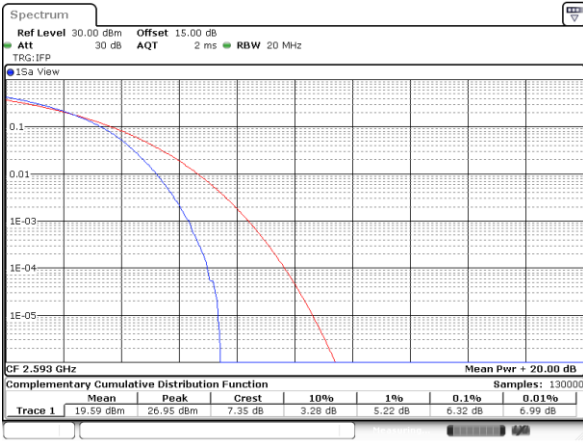
Middle Channel / Full RB



Date: 28 JUN 2024 16:18:02

LTE Band 41 / 20MHz / 64QAM

Middle Channel / Full RB



Date: 28 JUN 2024 16:18:29



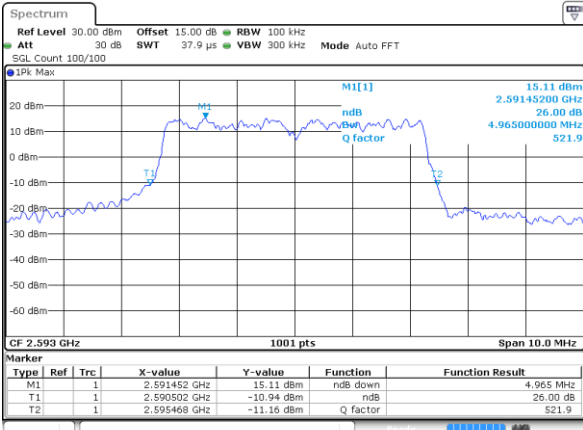
26dB Bandwidth

Mode	LTE Band 41 : 26dB BW(MHz)											
	BW				5MHz		10MHz		15MHz		20MHz	
Mod.					QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH					4.97	4.83	9.73	9.79	14.30	14.63	18.82	18.66



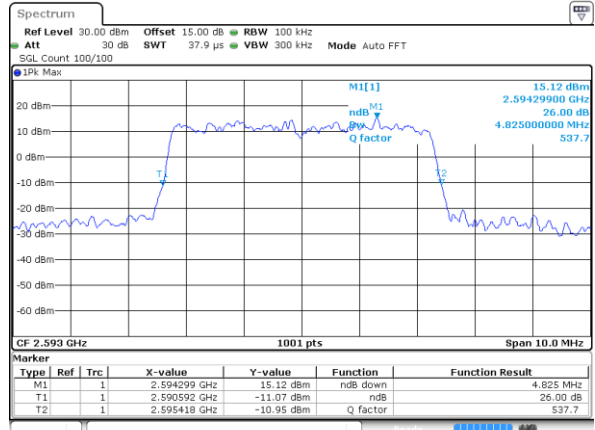
LTE Band 41

Middle Channel / 5MHz / QPSK



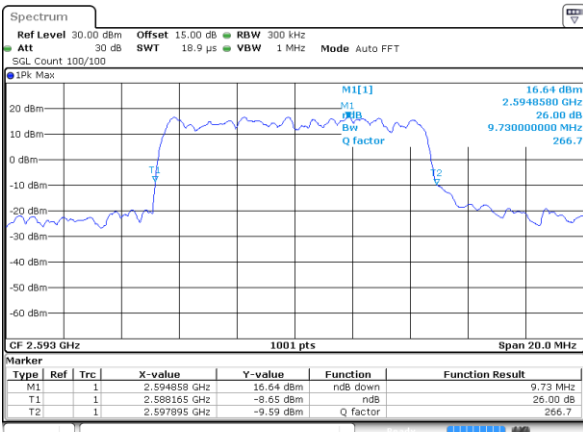
Date: 28 JUN 2024 14:09:45

Middle Channel / 5MHz / 16QAM



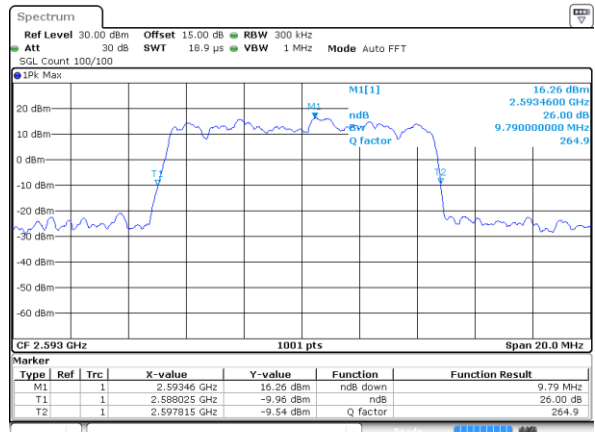
Date: 28 JUN 2024 14:10:24

Middle Channel / 10MHz / QPSK



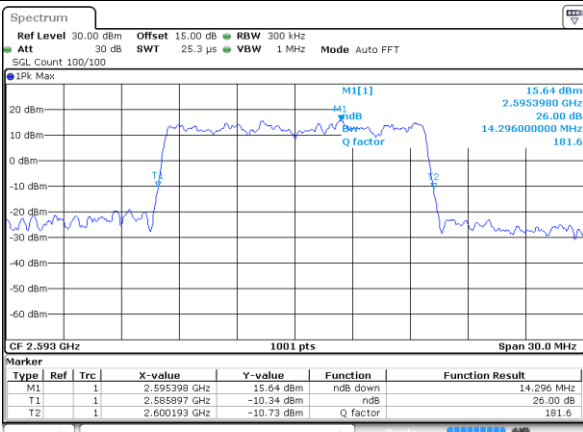
Date: 28 JUN 2024 14:27:11

Middle Channel / 10MHz / 16QAM



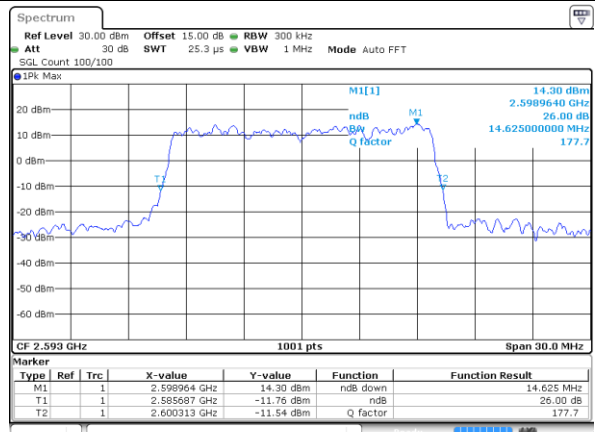
Date: 28 JUN 2024 14:27:51

Middle Channel / 15MHz / QPSK



Date: 28 JUN 2024 14:43:50

Middle Channel / 15MHz / 16QAM

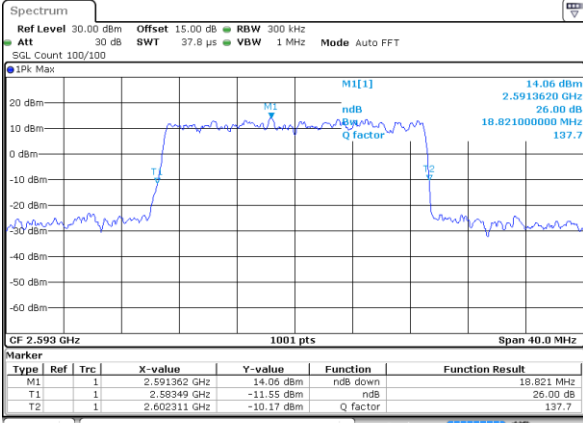


Date: 28 JUN 2024 14:44:29



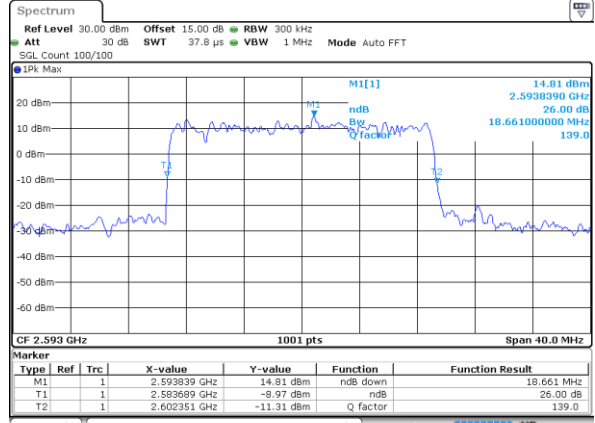
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 28 JUN 2024 15:01:19

Middle Channel / 20MHz / 16QAM



Date: 28 JUN 2024 15:01:58



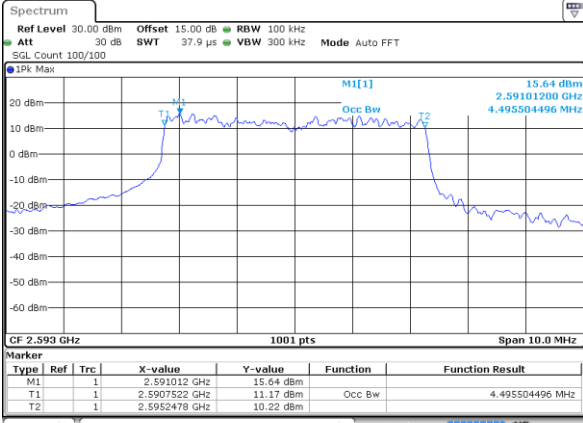
Occupied Bandwidth

Mode	LTE Band 41 : 99%OBW(MHz)											
	BW				5MHz		10MHz		15MHz		20MHz	
Mod.					QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH					4.50	4.49	9.11	8.99	13.46	13.43	17.98	17.78



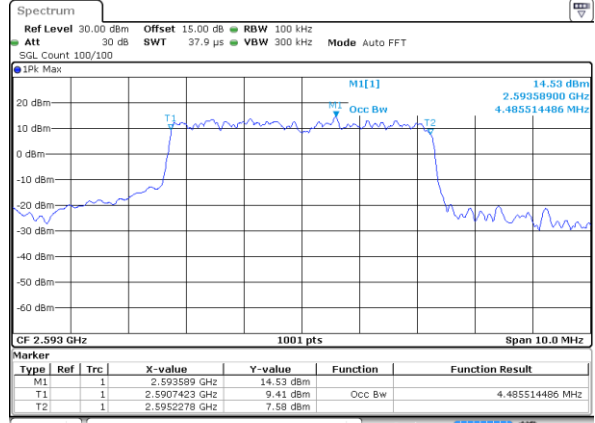
LTE Band 41

Middle Channel / 5MHz / QPSK



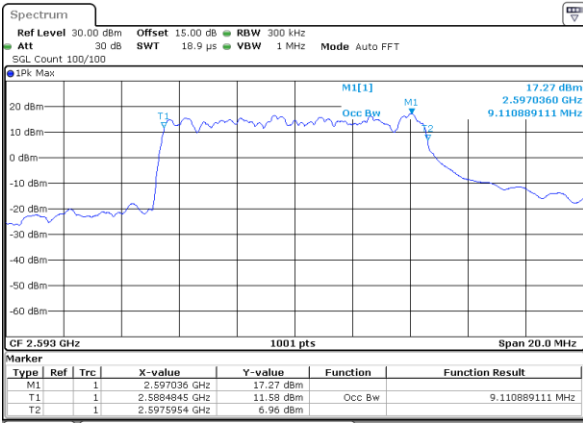
Date: 28 JUN 2024 14:09:30

Middle Channel / 5MHz / 16QAM



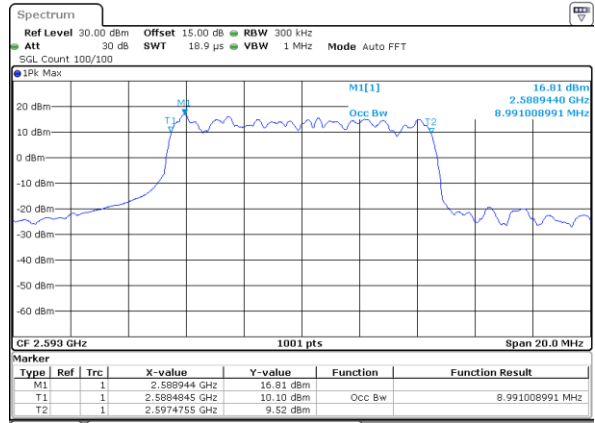
Date: 28 JUN 2024 14:10:10

Middle Channel / 10MHz / QPSK



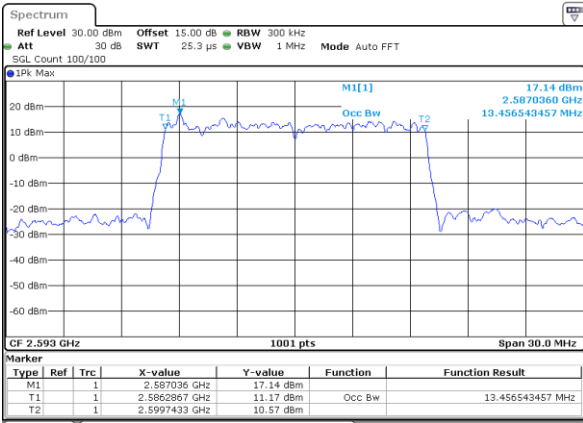
Date: 28 JUN 2024 14:26:58

Middle Channel / 10MHz / 16QAM



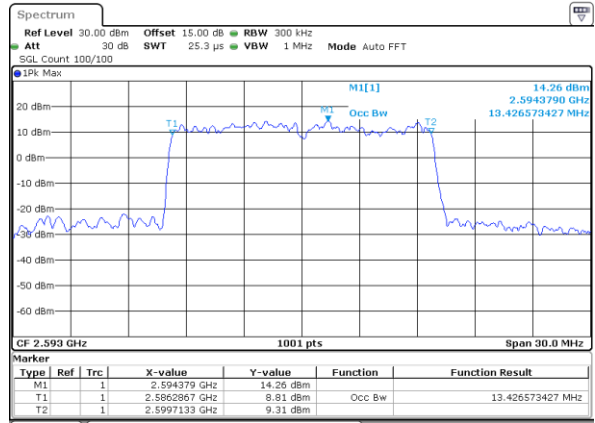
Date: 28 JUN 2024 14:27:37

Middle Channel / 15MHz / QPSK



Date: 28 JUN 2024 14:43:36

Middle Channel / 15MHz / 16QAM

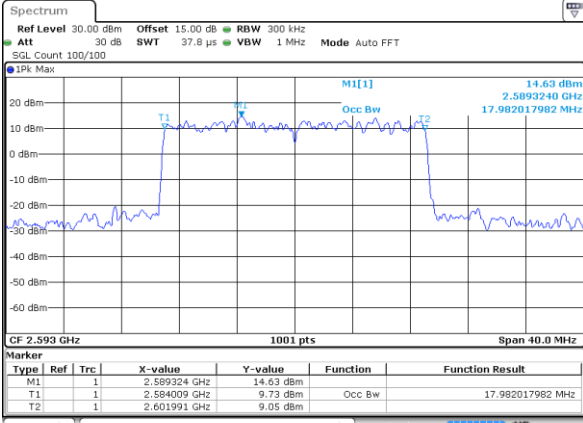


Date: 28 JUN 2024 14:44:16



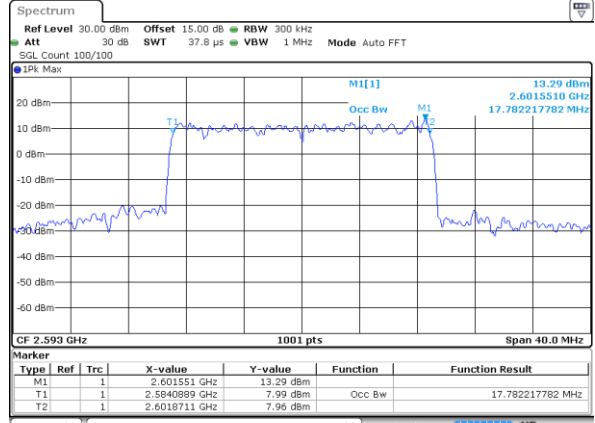
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 28 JUN 2024 15:01:05

Middle Channel / 20MHz / 16QAM



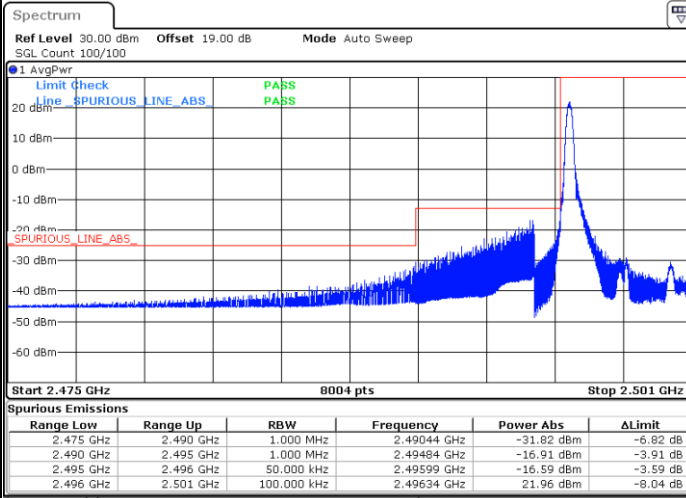
Date: 28 JUN 2024 15:01:44



Conducted Band Edge

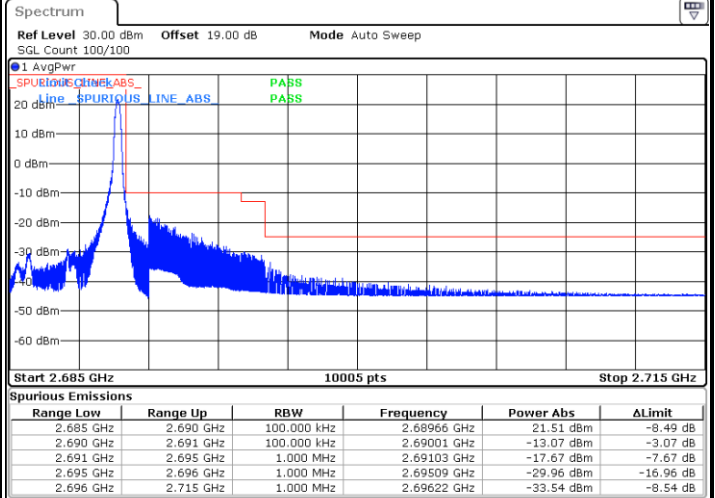
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



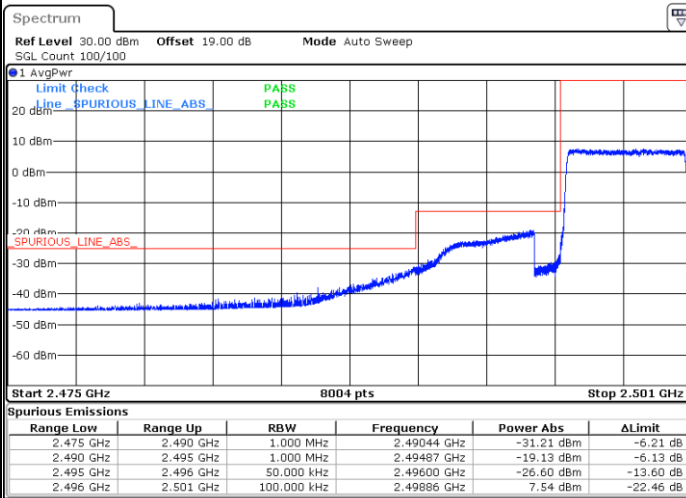
Date: 28 JUN 2024 14:02:04

Highest Band Edge / 1 RB



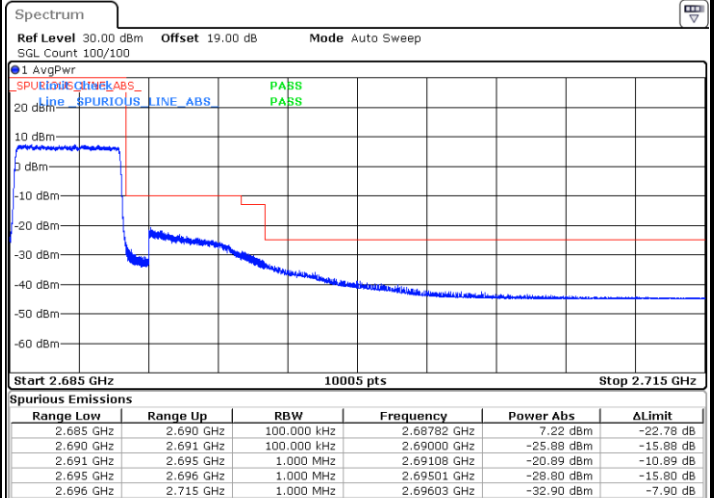
Date: 28 JUN 2024 15:36:40

Lowest Band Edge / Full RB



Date: 28 JUN 2024 14:06:45

Highest Band Edge / Full RB

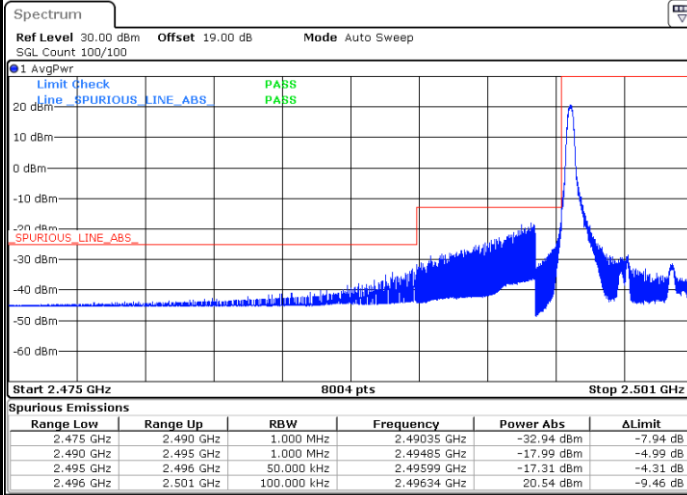


Date: 28 JUN 2024 14:16:44



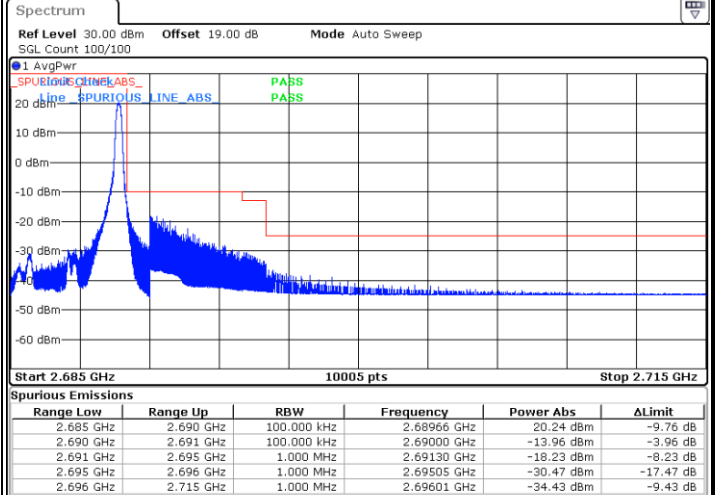
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



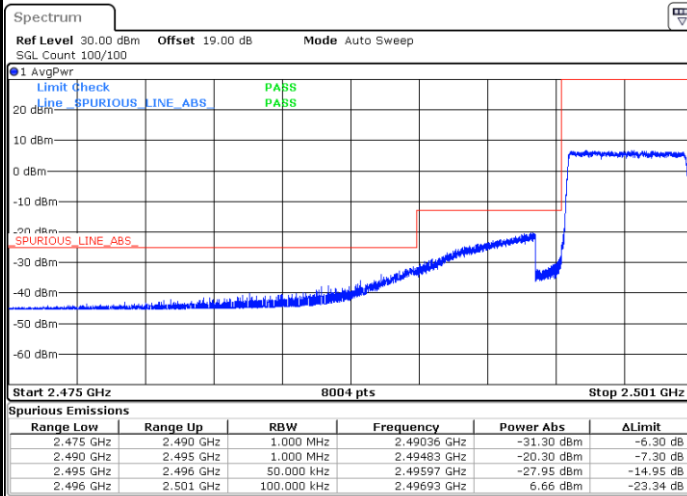
Date: 28 JUN 2024 14:03:00

Highest Band Edge / 1 RB



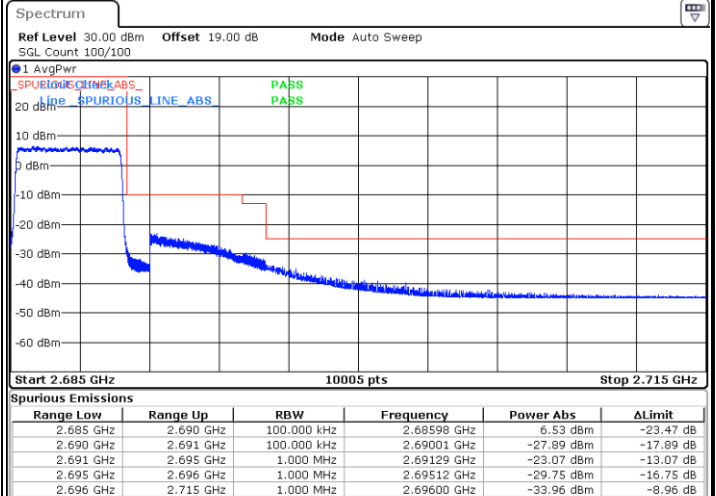
Date: 28 JUN 2024 14:12:30

Lowest Band Edge / Full RB



Date: 28 JUN 2024 14:05:49

Highest Band Edge / Full RB

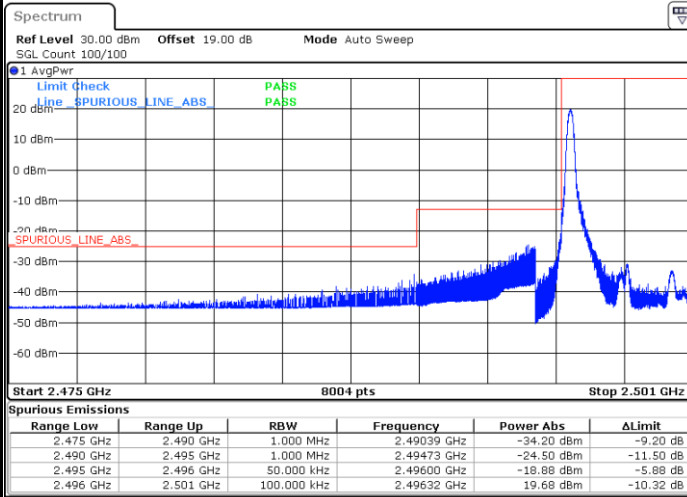


Date: 28 JUN 2024 14:15:41



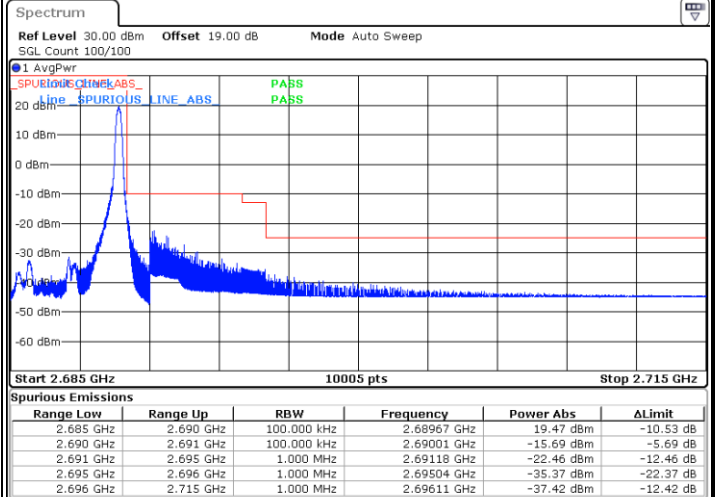
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



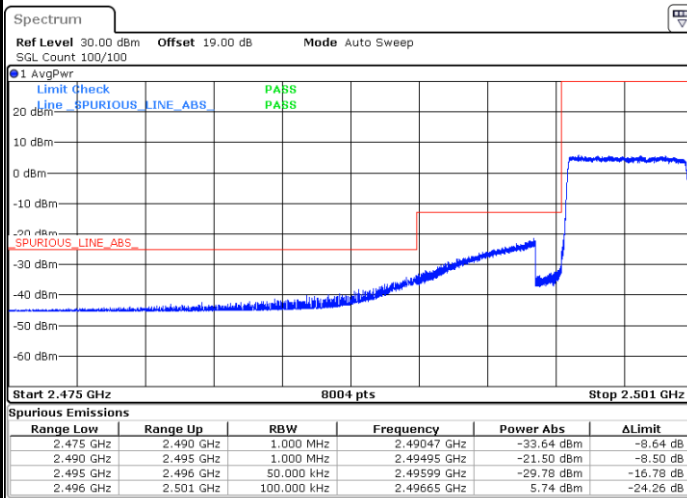
Date: 28 JUN 2024 14:03:56

Highest Band Edge / 1 RB



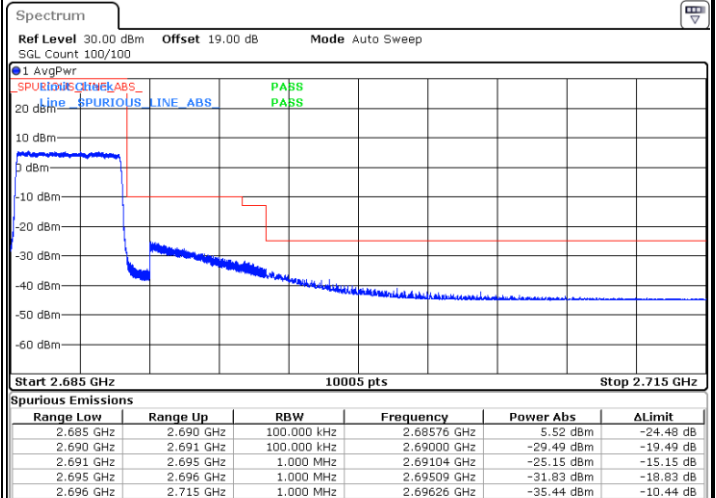
Date: 28 JUN 2024 14:13:34

Lowest Band Edge / Full RB



Date: 28 JUN 2024 14:04:52

Highest Band Edge / Full RB

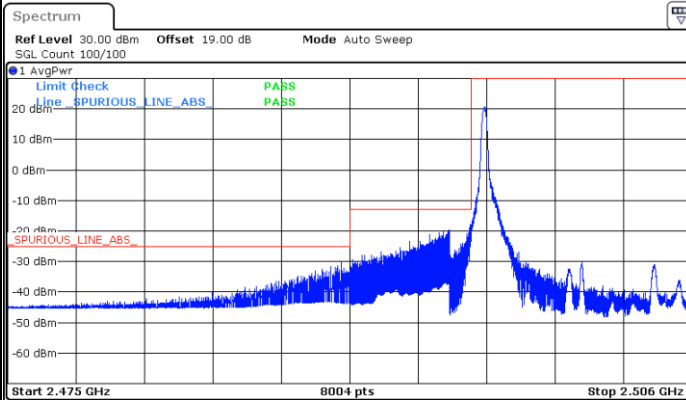


Date: 28 JUN 2024 14:14:37



LTE Band 41 / 10MHz / QPSK

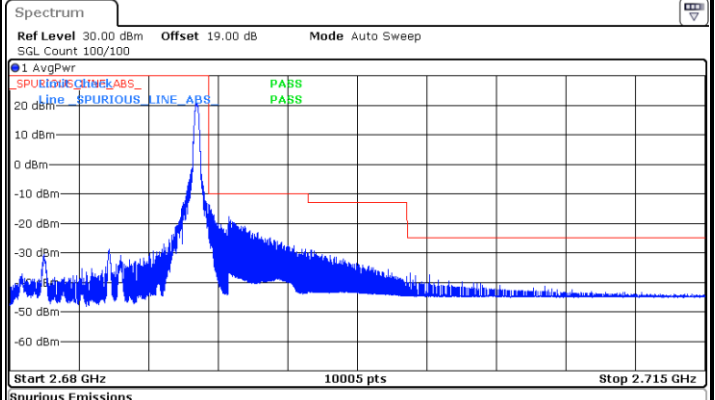
Lowest Band Edge / 1 RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49012 GHz	-29.85 dBm	-4.85 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49496 GHz	-19.61 dBm	-6.61 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49597 GHz	-17.61 dBm	-4.61 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.49659 GHz	20.57 dBm	-9.43 dB

Date: 28 JUN 2024 14:19:33

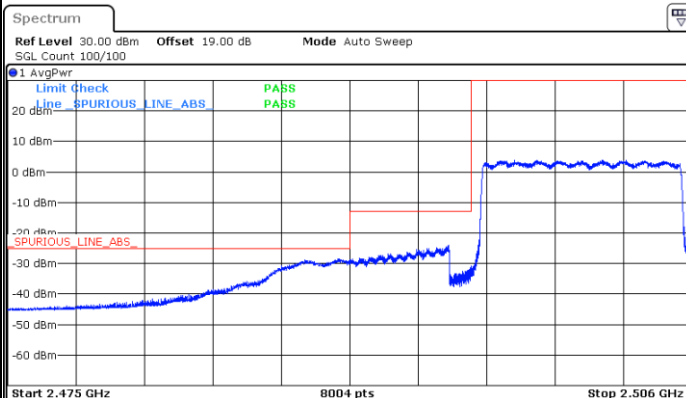
Highest Band Edge / 1 RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68941 GHz	21.19 dBm	-8.81 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69002 GHz	-13.62 dBm	-3.62 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69104 GHz	-17.77 dBm	-7.77 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69513 GHz	-29.12 dBm	-16.12 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70017 GHz	-36.96 dBm	-11.96 dB

Date: 28 JUN 2024 14:28:46

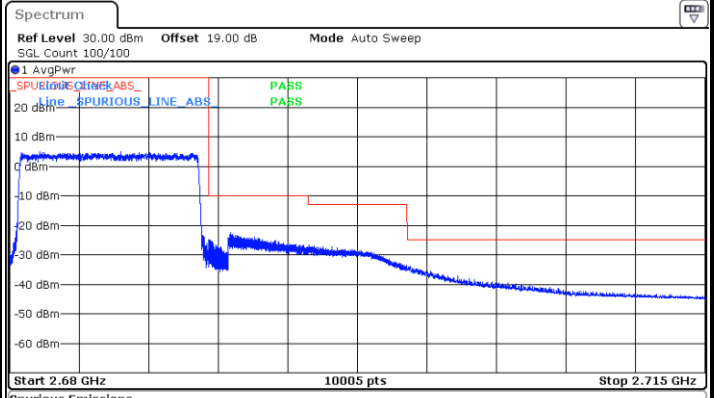
Lowest Band Edge / Full RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49004 GHz	-28.56 dBm	-3.56 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49495 GHz	-23.92 dBm	-10.92 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49598 GHz	-30.67 dBm	-17.67 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.49697 GHz	3.98 dBm	-26.02 dB

Date: 28 JUN 2024 16:00:47

Highest Band Edge / Full RB



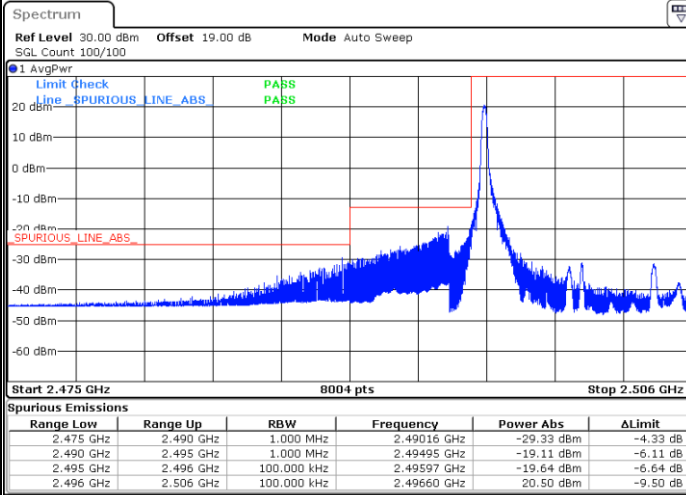
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68152 GHz	4.82 dBm	-25.18 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69006 GHz	-24.86 dBm	-14.86 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69111 GHz	-22.62 dBm	-12.62 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69506 GHz	-26.69 dBm	-13.69 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70015 GHz	-33.82 dBm	-8.82 dB

Date: 28 JUN 2024 14:33:23



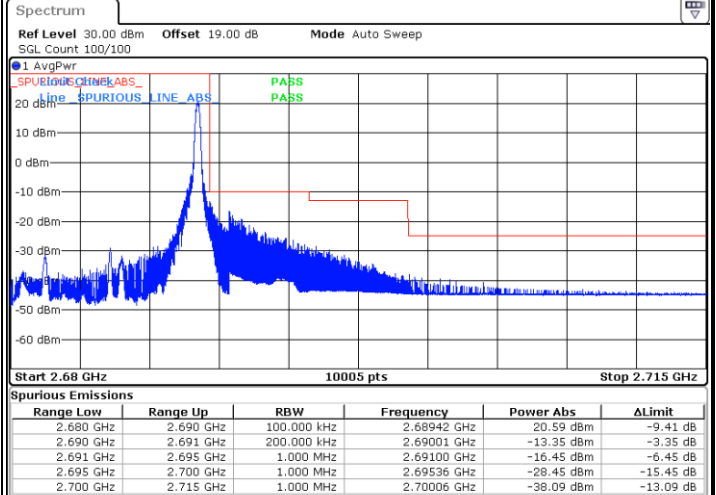
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1RB



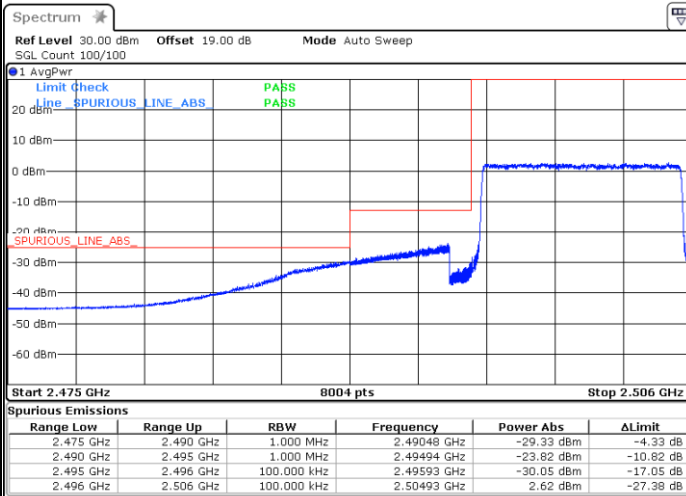
Date: 28 JUN 2024 14:20:29

Highest Band Edge / 1 RB



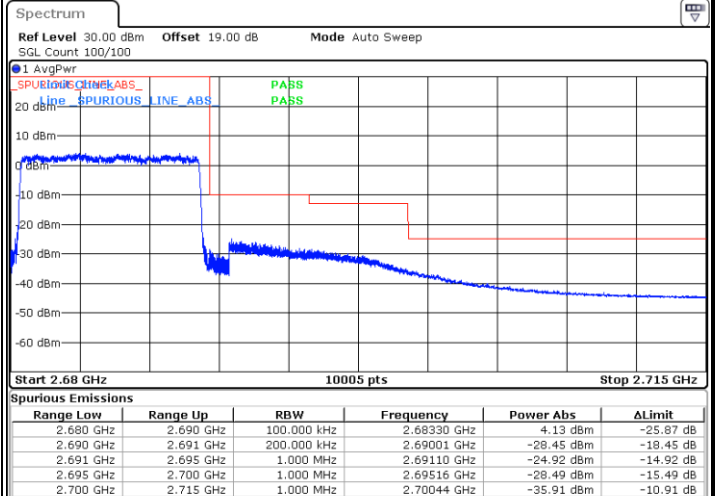
Date: 28 JUN 2024 15:34:01

Lowest Band Edge / Full RB



Date: 28 JUN 2024 15:59:09

Highest Band Edge / Full RB

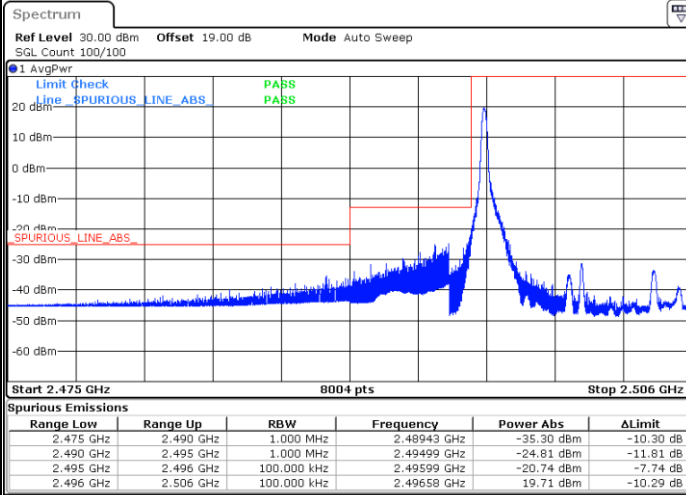


Date: 28 JUN 2024 14:32:28



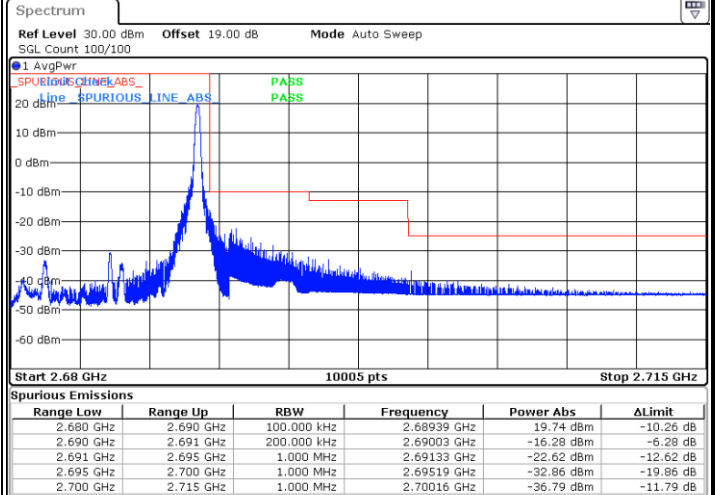
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1RB



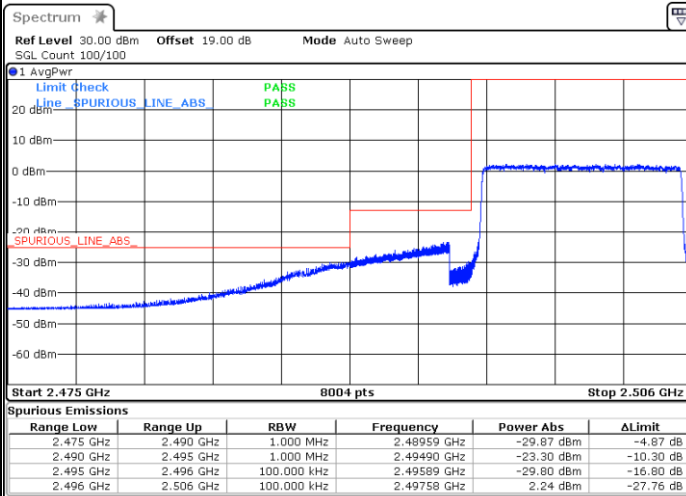
Date: 28 JUN 2024 14:21:25

Highest Band Edge / 1 RB



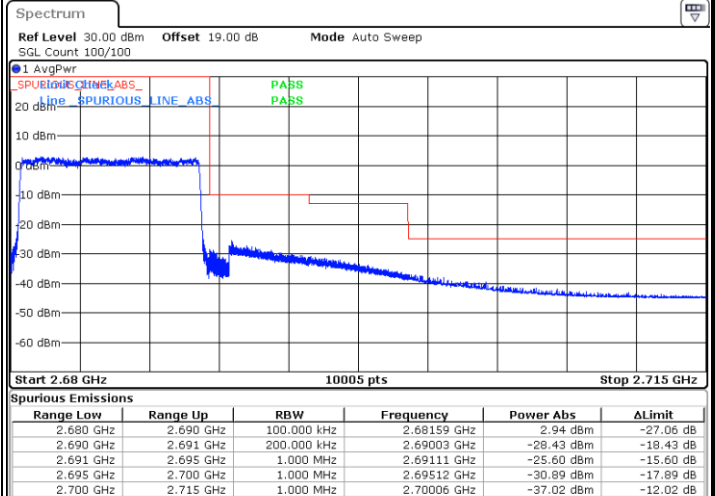
Date: 28 JUN 2024 14:30:37

Lowest Band Edge / Full RB



Date: 28 JUN 2024 16:04:24

Highest Band Edge / Full RB

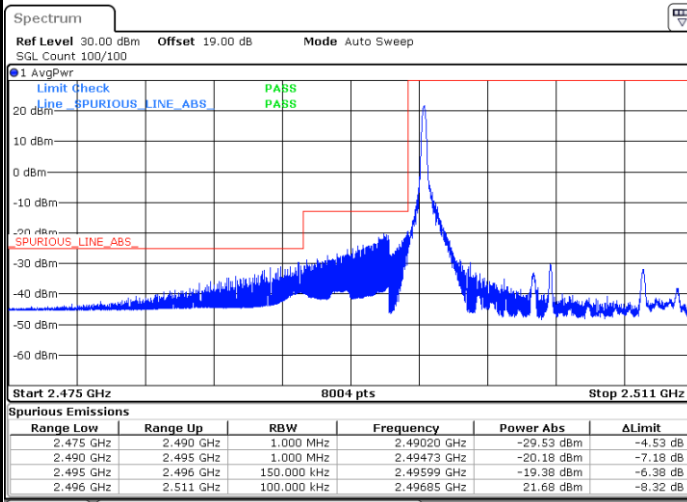


Date: 28 JUN 2024 14:31:32



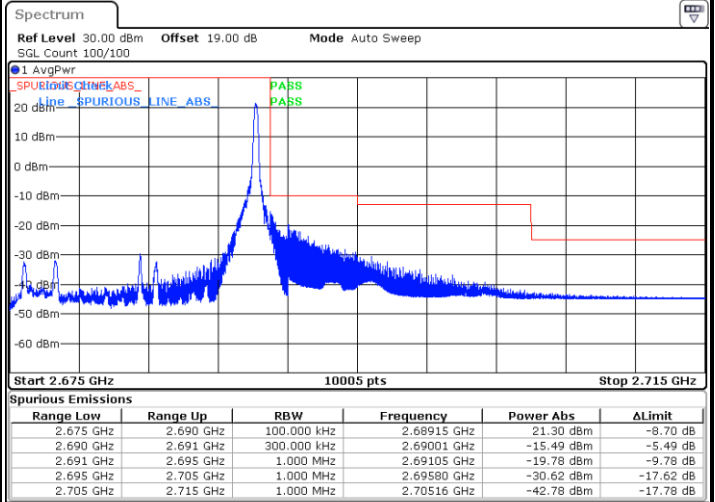
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



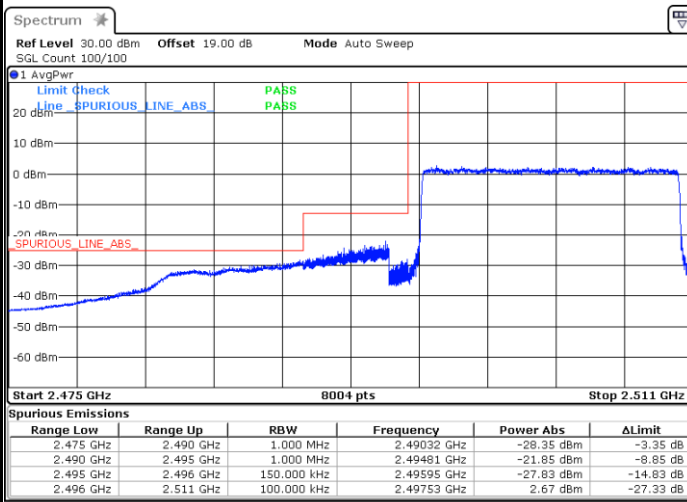
Date: 28 JUN 2024 14:36:12

Highest Band Edge / 1 RB



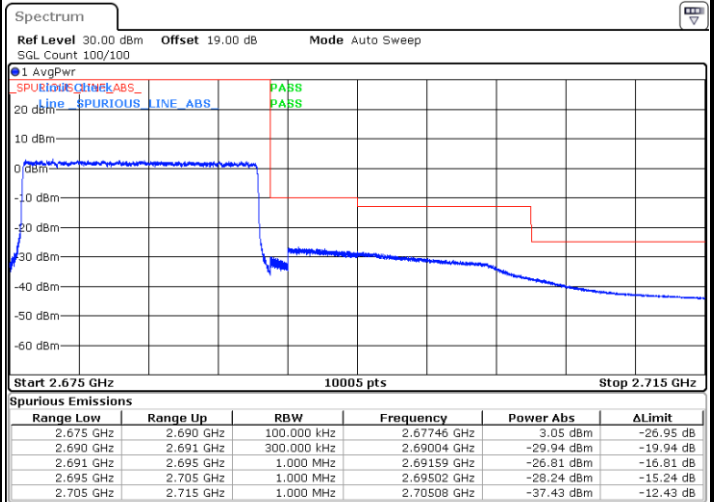
Date: 28 JUN 2024 14:45:24

Lowest Band Edge / Full RB



Date: 28 JUN 2024 16:11:58

Highest Band Edge / Full RB

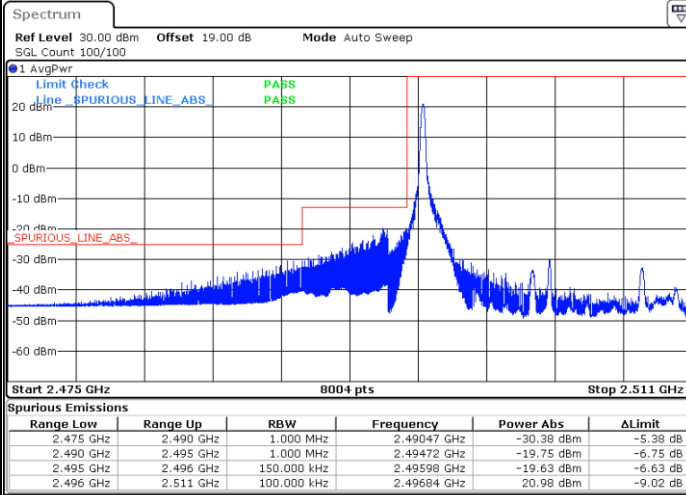


Date: 28 JUN 2024 14:50:02



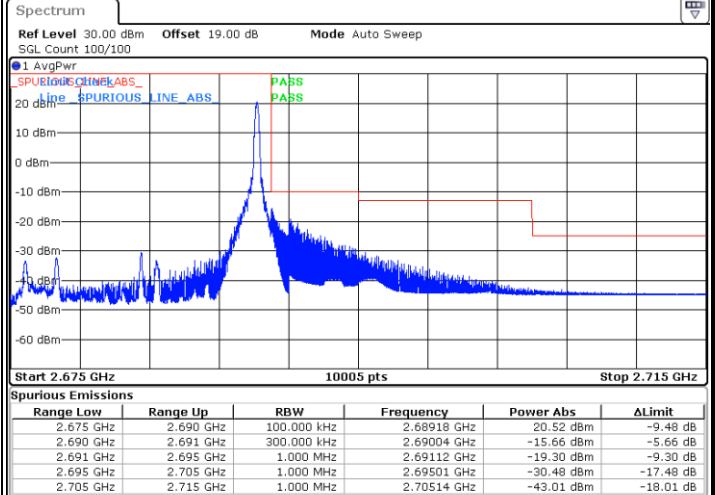
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1RB



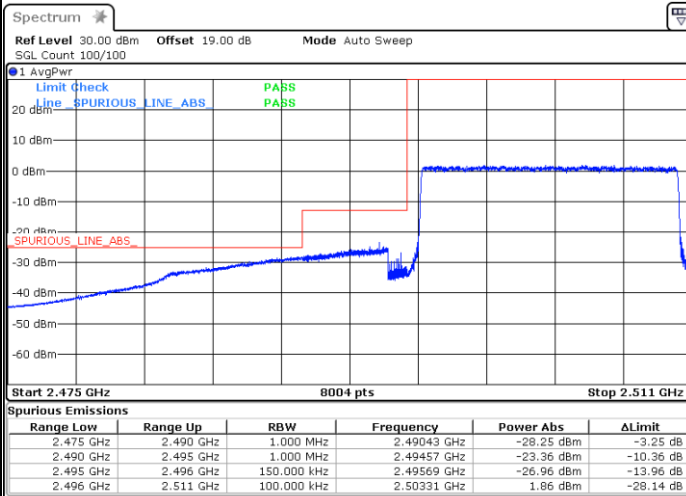
Date: 28 JUN 2024 14:37:08

Highest Band Edge / 1 RB



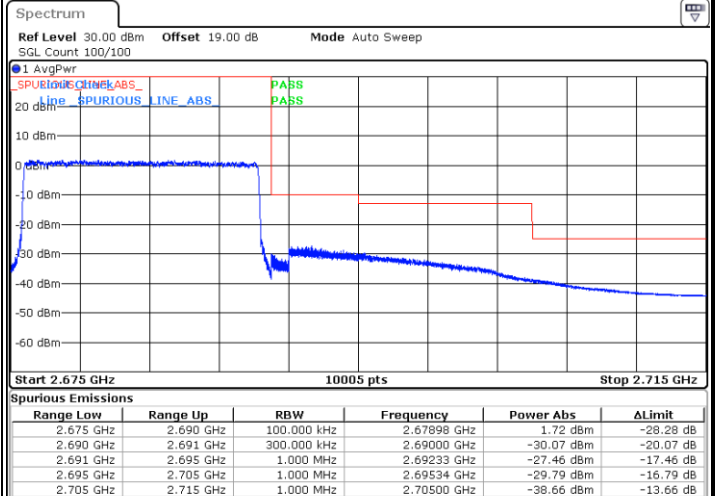
Date: 28 JUN 2024 14:46:20

Lowest Band Edge / Full RB



Date: 28 JUN 2024 15:24:10

Highest Band Edge / Full RB

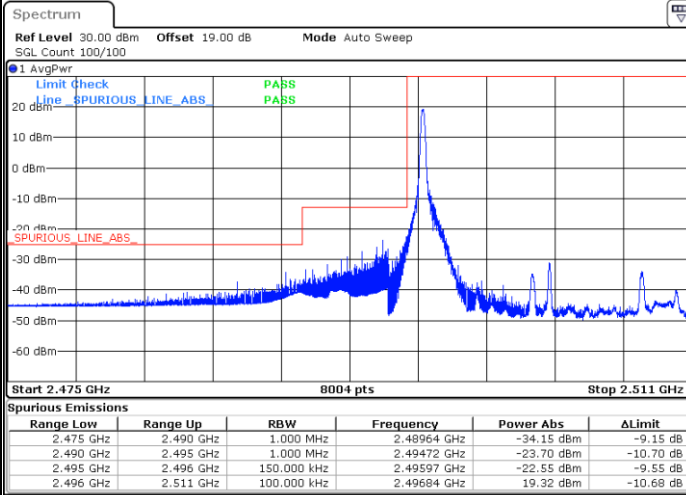


Date: 28 JUN 2024 14:49:07



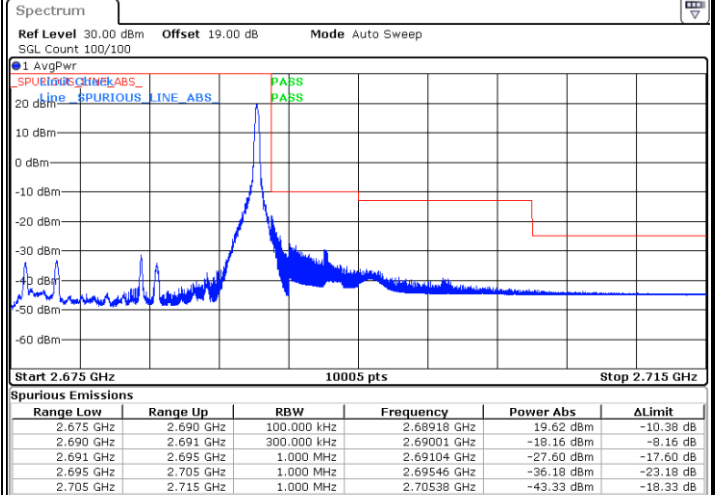
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1RB



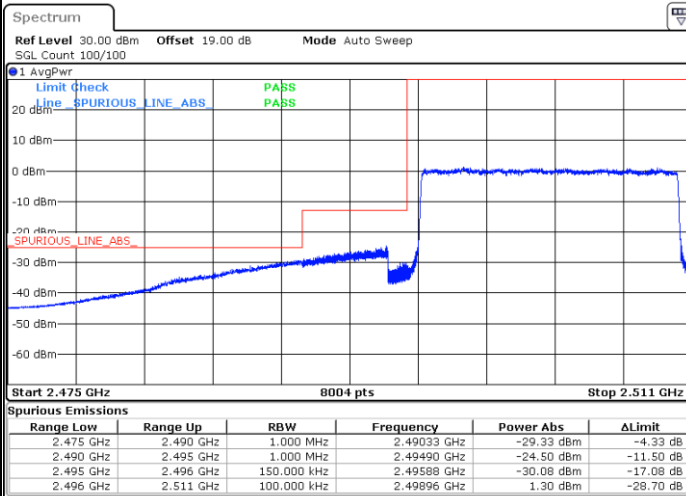
Date: 28 JUN 2024 14:38:03

Highest Band Edge / 1 RB



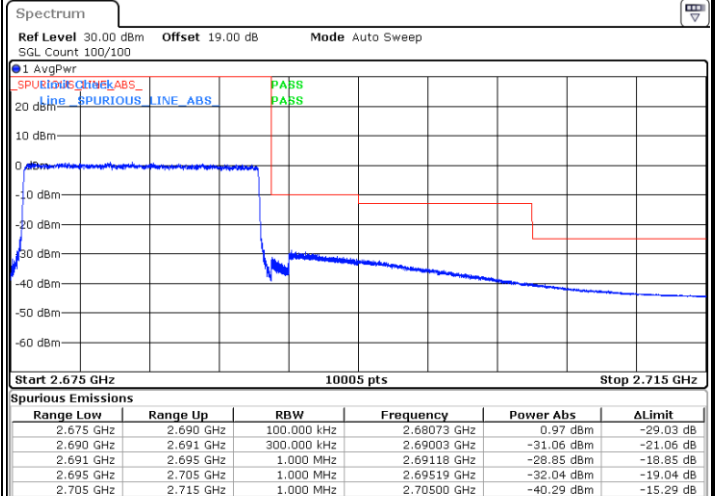
Date: 28 JUN 2024 14:47:15

Lowest Band Edge / Full RB



Date: 28 JUN 2024 14:38:59

Highest Band Edge / Full RB

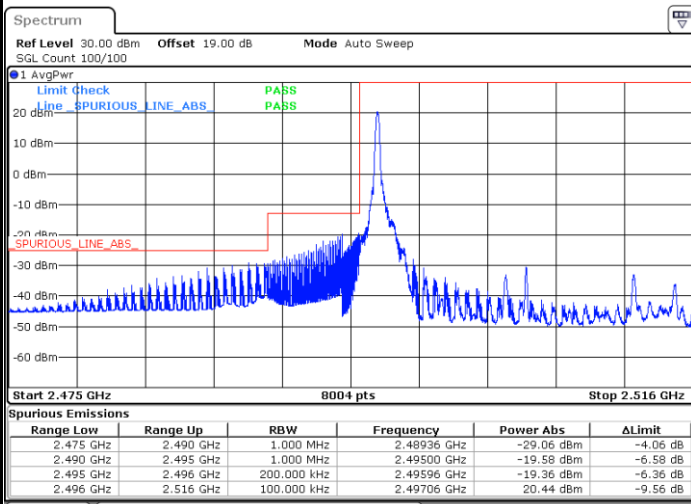


Date: 28 JUN 2024 14:48:11



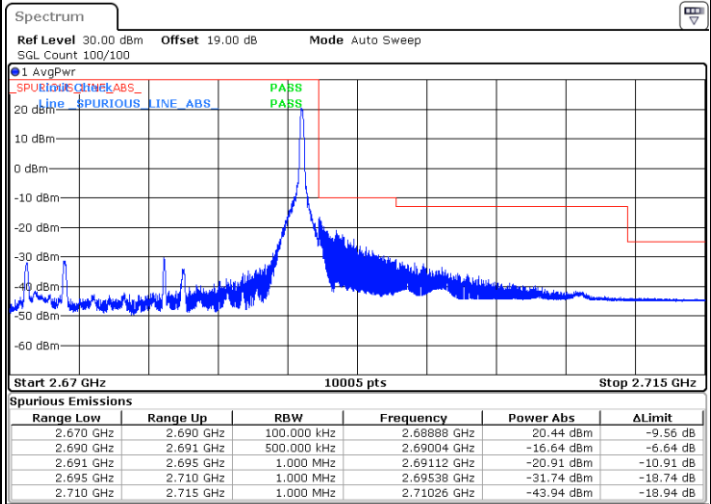
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



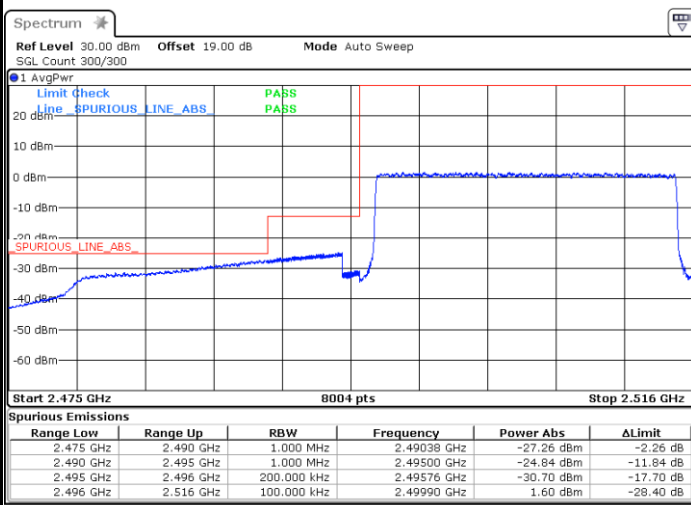
Date: 28 JUN 2024 14:53:41

Highest Band Edge / 1 RB



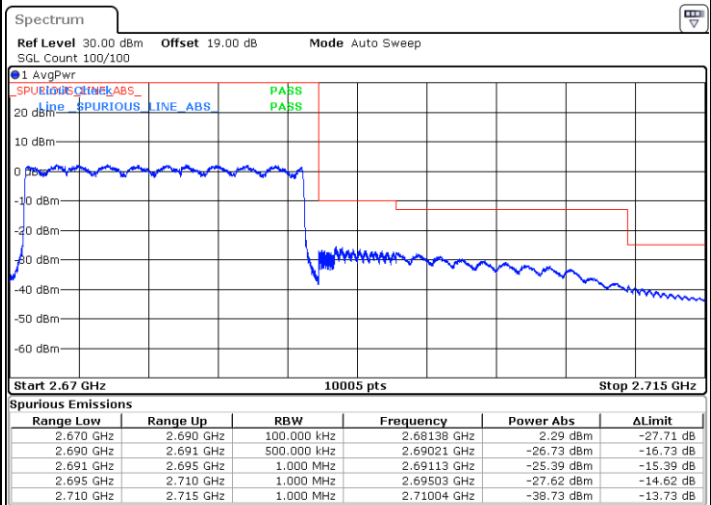
Date: 28 JUN 2024 15:04:13

Lowest Band Edge / Full RB



Date: 28 JUN 2024 15:15:33

Highest Band Edge / Full RB

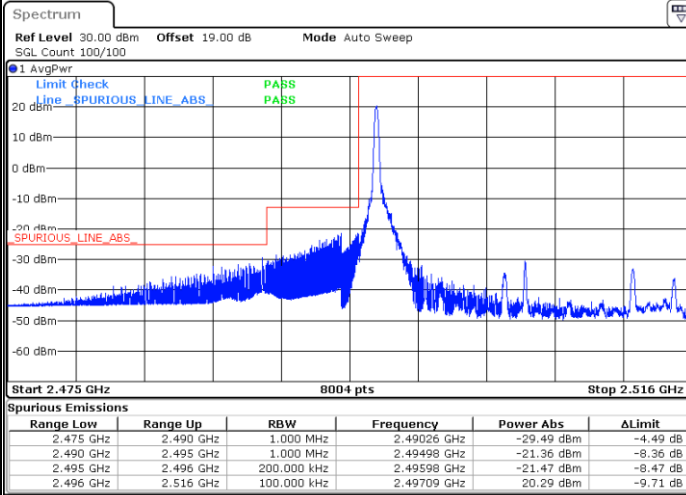


Date: 28 JUN 2024 15:08:51



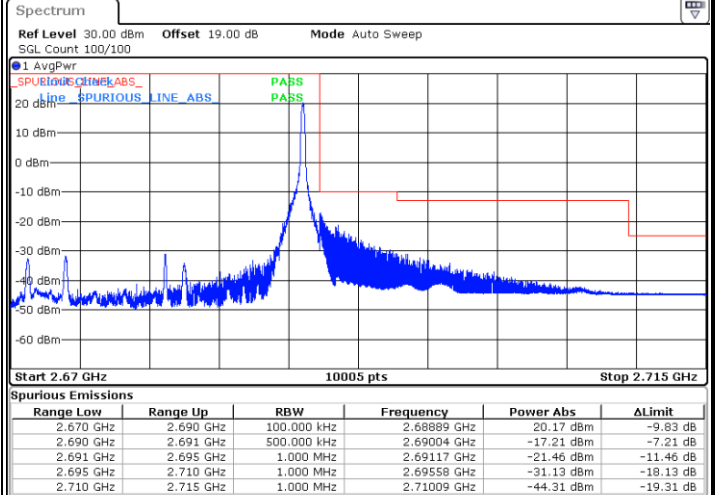
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1RB



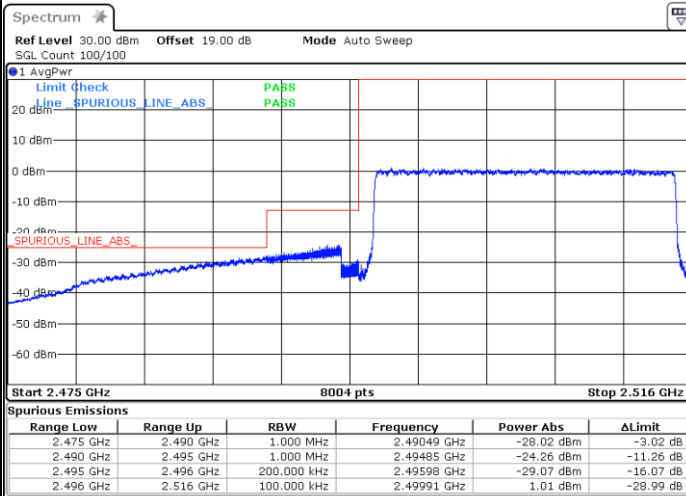
Date: 28 JUN 2024 14:54:37

Highest Band Edge / 1 RB



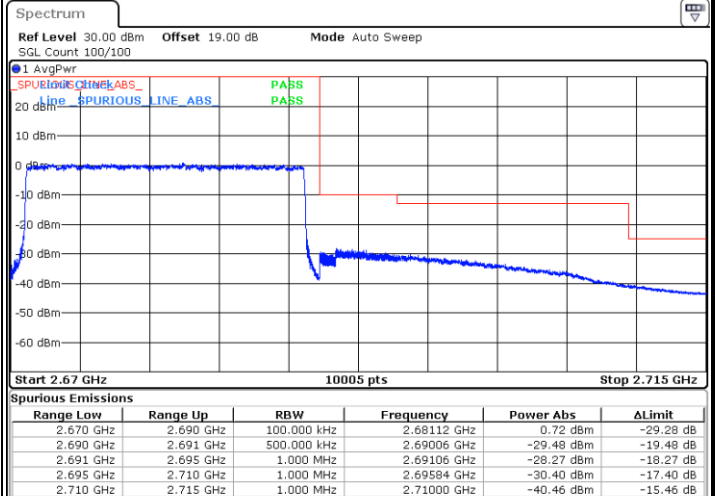
Date: 28 JUN 2024 15:05:08

Lowest Band Edge / Full RB



Date: 28 JUN 2024 15:13:13

Highest Band Edge / Full RB

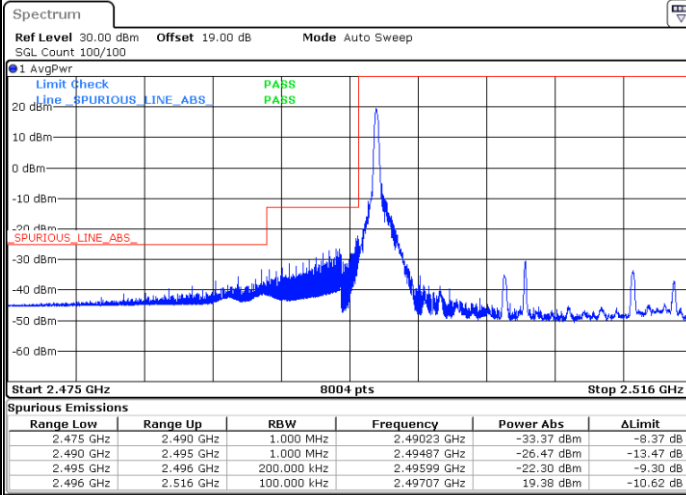


Date: 28 JUN 2024 15:07:55



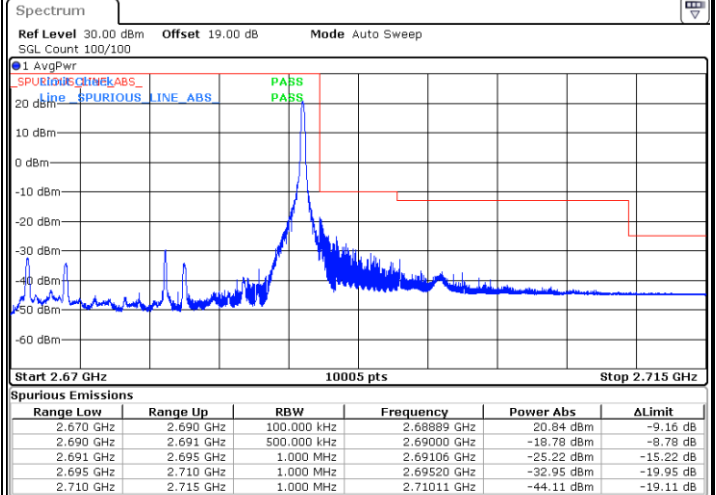
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1RB



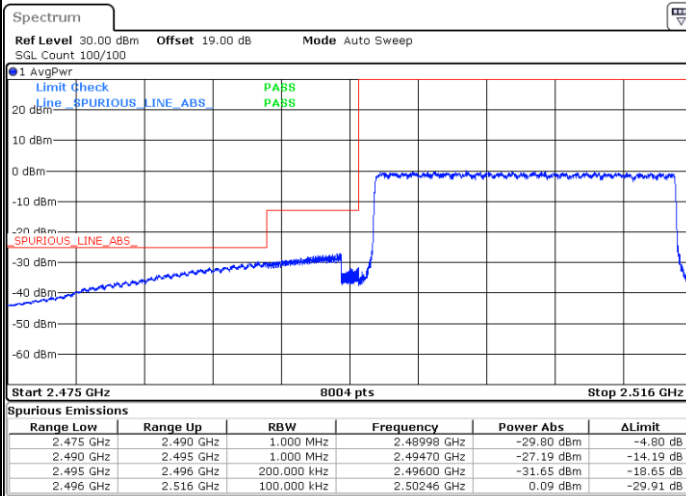
Date: 28 JUN 2024 14:55:33

Highest Band Edge / 1 RB



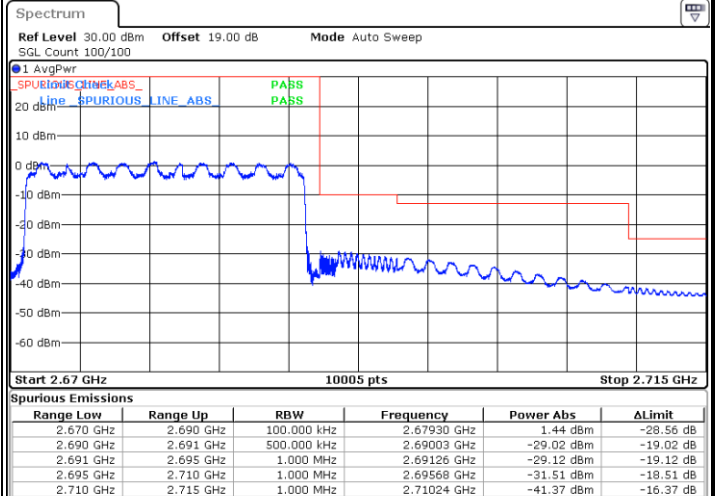
Date: 28 JUN 2024 15:06:04

Lowest Band Edge / Full RB



Date: 28 JUN 2024 14:56:28

Highest Band Edge / Full RB



Date: 28 JUN 2024 15:07:00

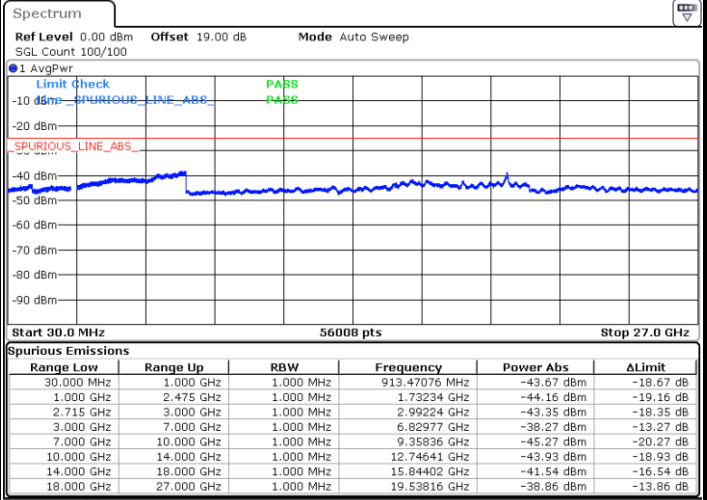
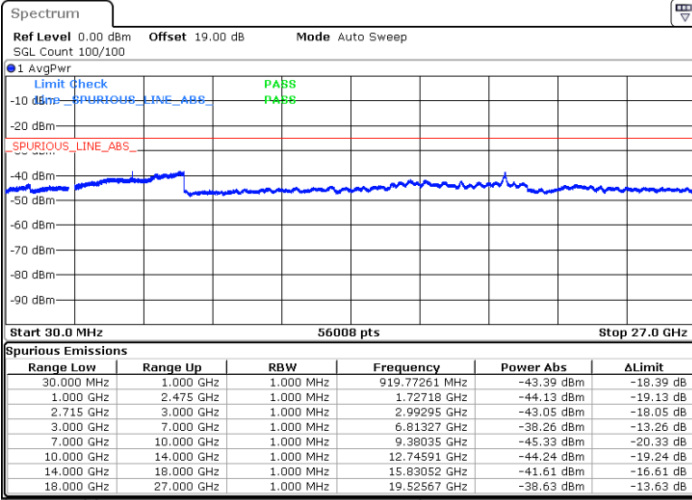


Conducted Spurious Emission

LTE Band 41 / 5MHz

Lowest Channel / QPSK

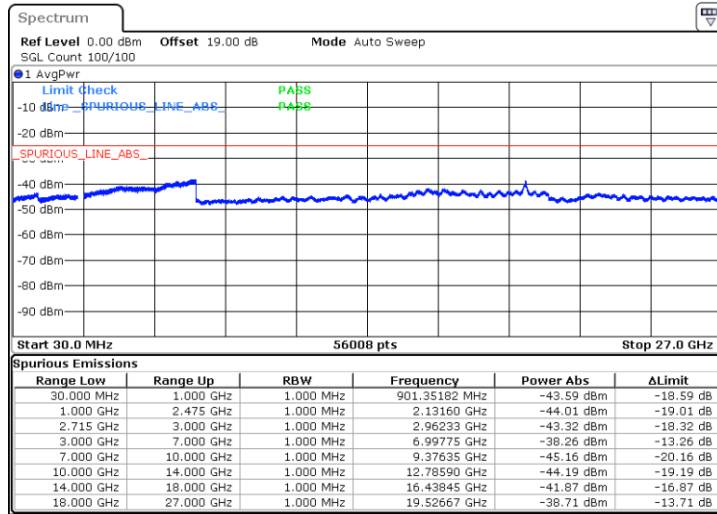
Middle Channel / QPSK



Date: 28 JUN 2024 14:07:55

Date: 28 JUN 2024 14:09:04

Highest Channel / QPSK



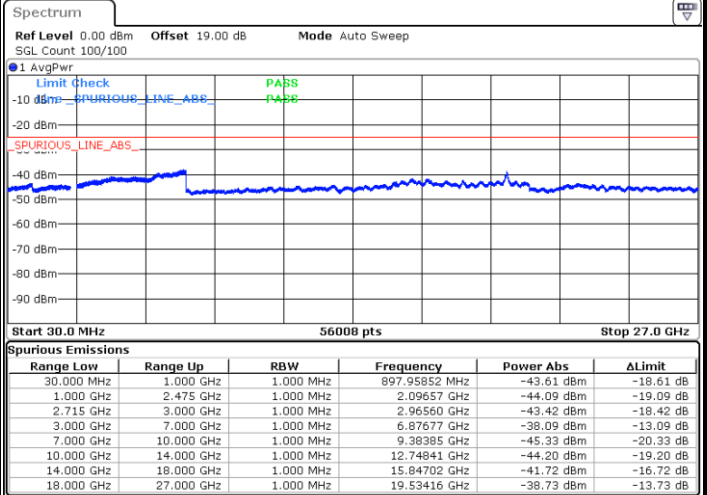
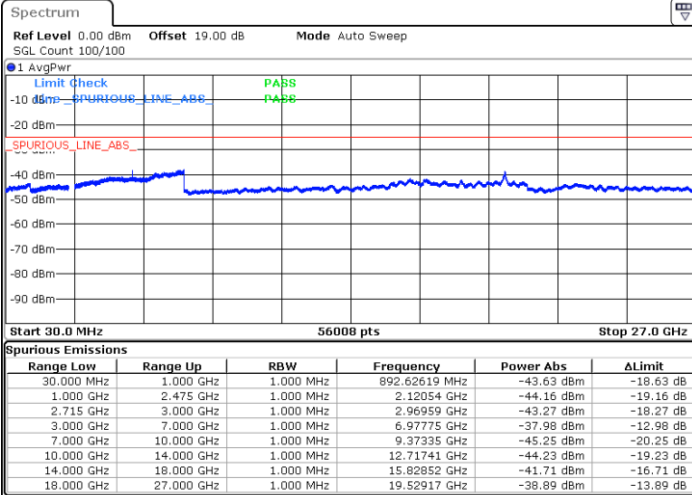
Date: 28 JUN 2024 14:17:54



LTE Band 41 / 10MHz

Lowest Channel / QPSK

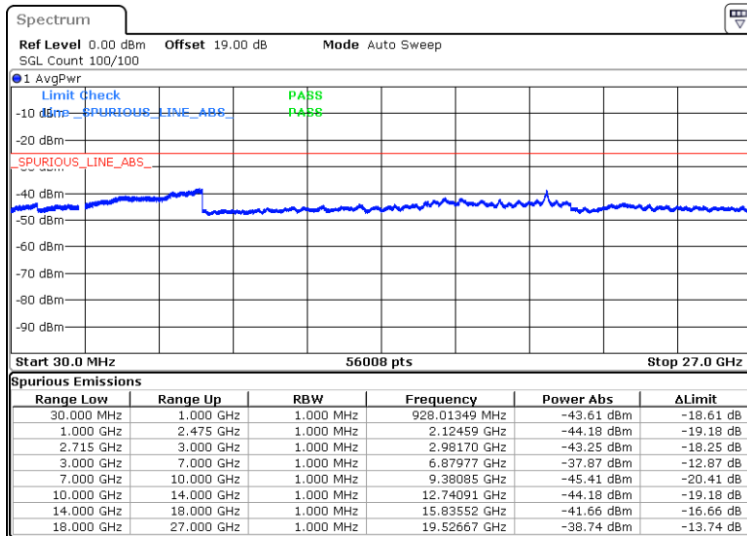
Middle Channel / QPSK



Date: 28 JUN 2024 14:25:22

Date: 28 JUN 2024 14:26:32

Highest Channel / QPSK



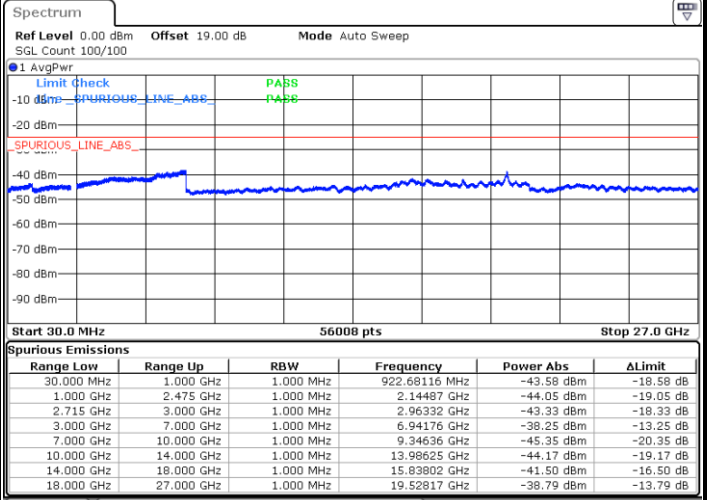
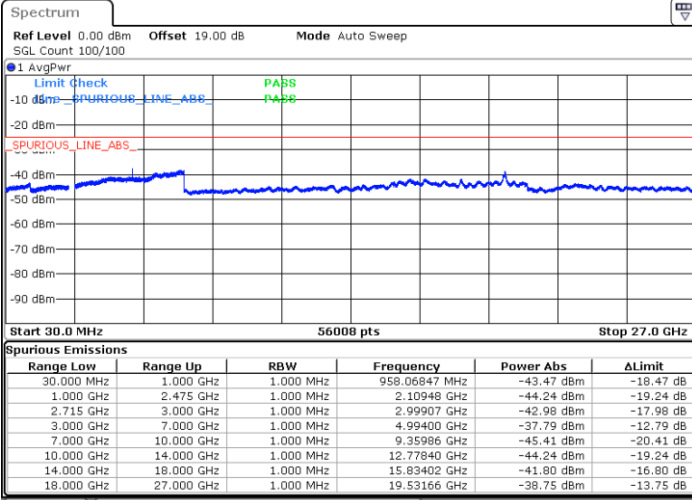
Date: 28 JUN 2024 14:34:33



LTE Band 41 / 15MHz

Lowest Channel / QPSK

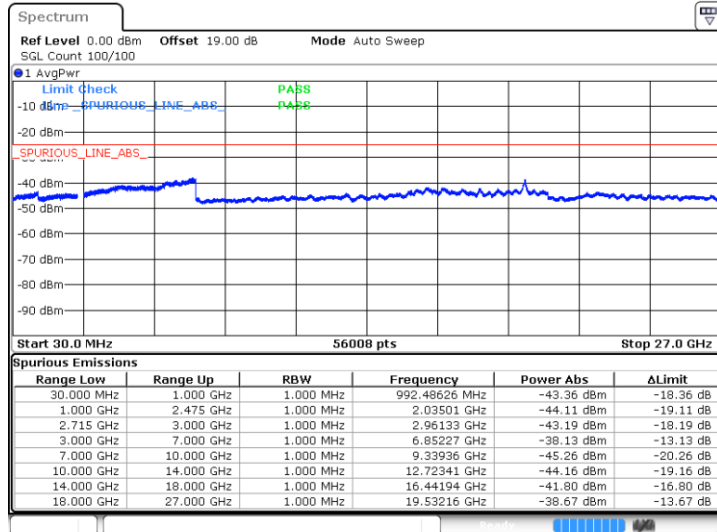
Middle Channel / QPSK



Date: 28 JUN 2024 14:42:01

Date: 28 JUN 2024 14:43:10

Highest Channel / QPSK



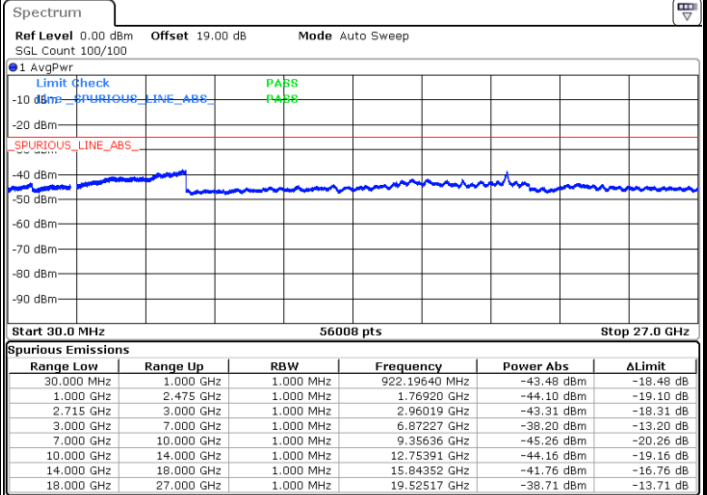
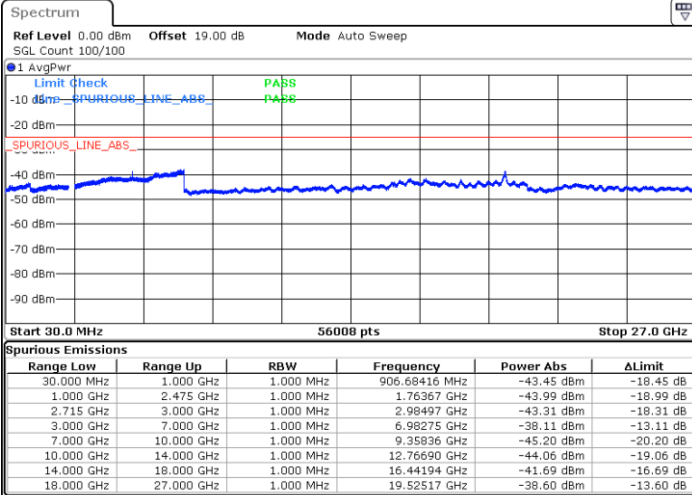
Date: 28 JUN 2024 14:51:12



LTE Band 41 / 20MHz

Lowest Channel / QPSK

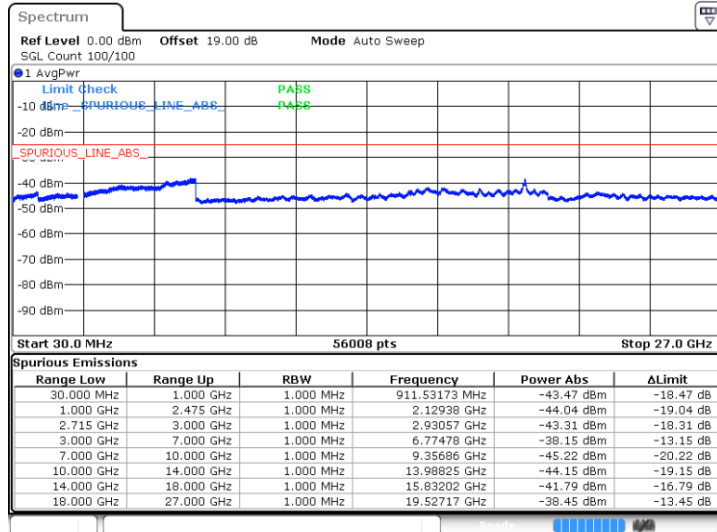
Middle Channel / QPSK



Date: 28 JUN 2024 14:59:30

Date: 28 JUN 2024 15:00:39

Highest Channel / QPSK



Date: 28 JUN 2024 15:10:01



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	0.0010	PASS
40	Normal Voltage	0.0059	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0069	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0063	
-30	Normal Voltage	0.0060	
20	Maximum Voltage	0.0066	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0013	

Note:

1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage = 4.5 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	25.67	30.87	34.97
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.21	35.18	40.28	

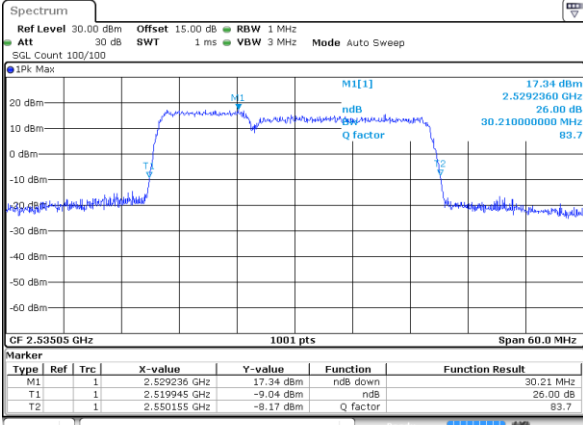
Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	30.15	25.57	30.87	35.25
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.03	35.04	40.12	



LTE Band 7C

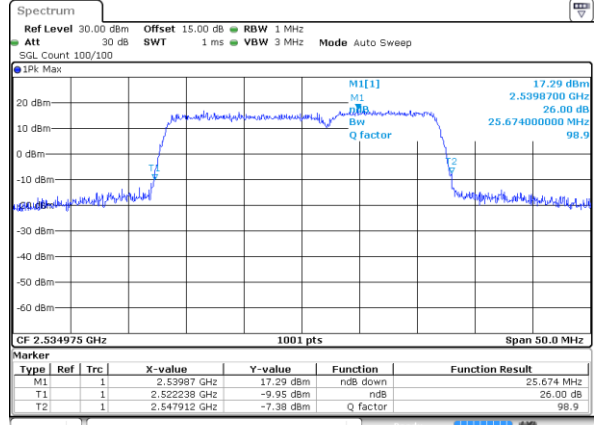
QPSK

Middle Channel / 10MHz+20MHz



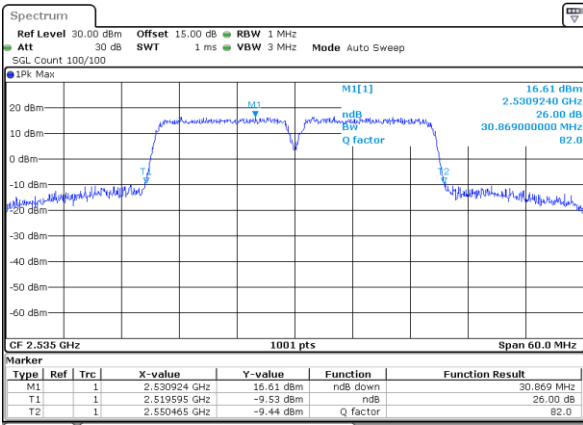
Date: 5 JUL 2024 10:19:09

Middle Channel / 15MHz+10MHz



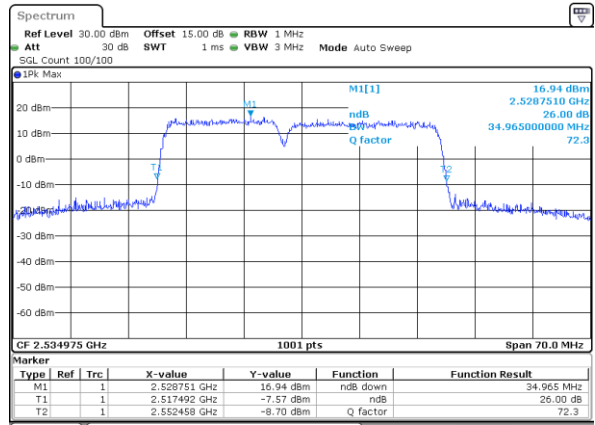
Date: 8 JUL 2024 09:17:35

Middle Channel / 15MHz+15MHz



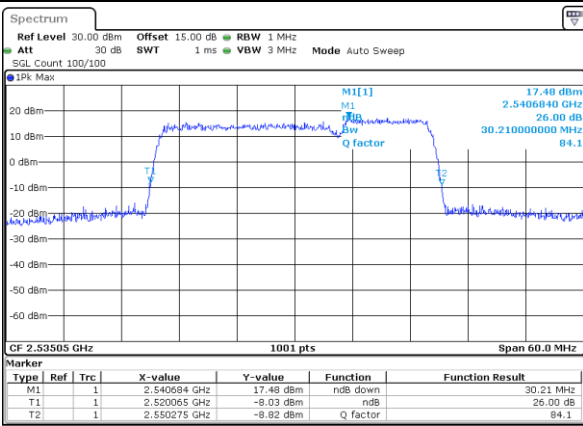
Date: 5 JUL 2024 13:24:27

Middle Channel / 15MHz+20MHz



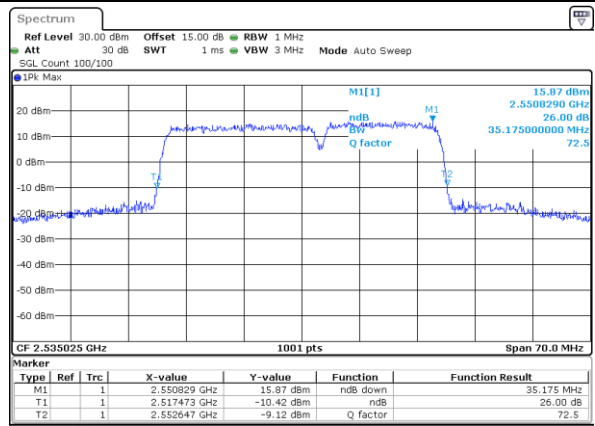
Date: 8 JUL 2024 09:46:47

Middle Channel / 20MHz+10MHz



Date: 5 JUL 2024 11:19:24

Middle Channel / 20MHz+15MHz



Date: 8 JUL 2024 10:13:32

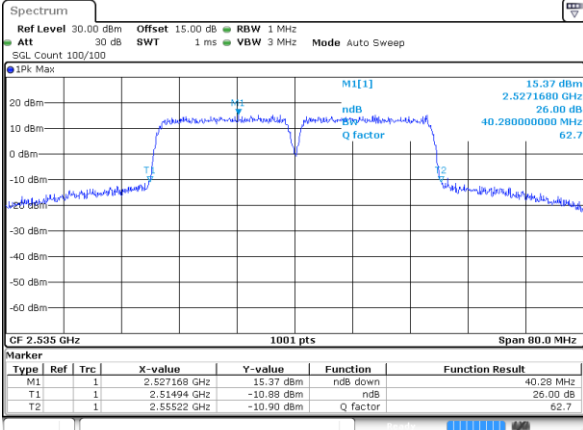


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A



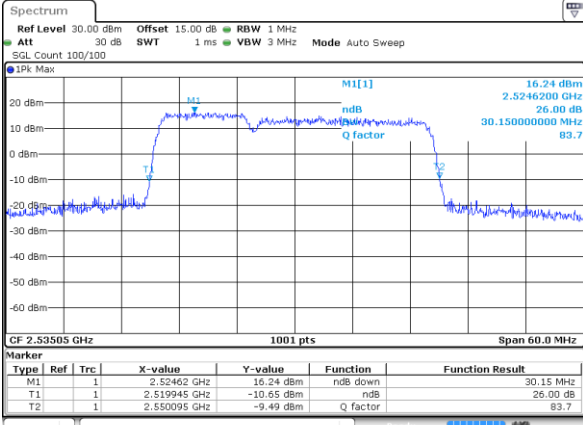
Date: 8 JUL 2024 10:36:15



LTE Band 7C

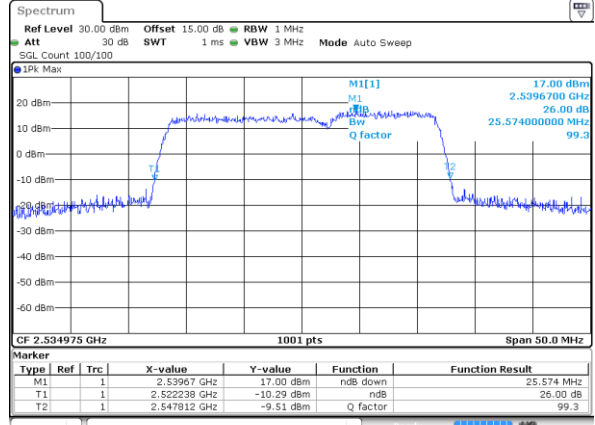
16QAM

Middle Channel / 10MHz+20MHz



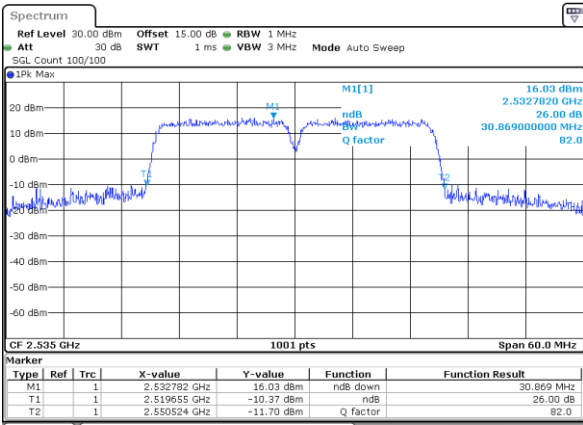
Date: 5 JUL 2024 10:19:41

Middle Channel / 15MHz+10MHz



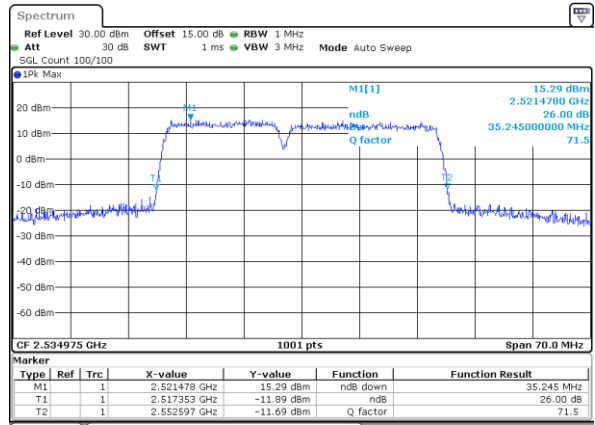
Date: 8 JUL 2024 09:18:05

Middle Channel / 15MHz+15MHz



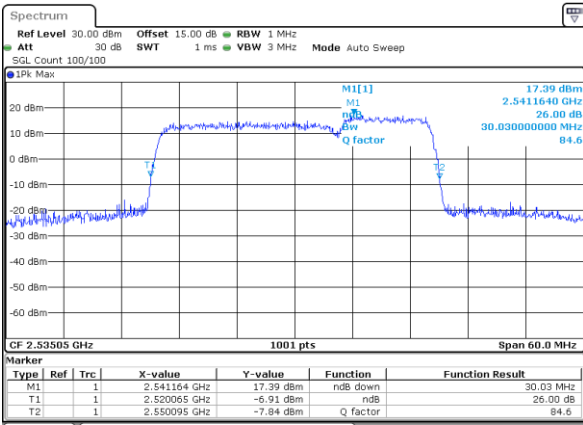
Date: 5 JUL 2024 13:24:55

Middle Channel / 15MHz+20MHz



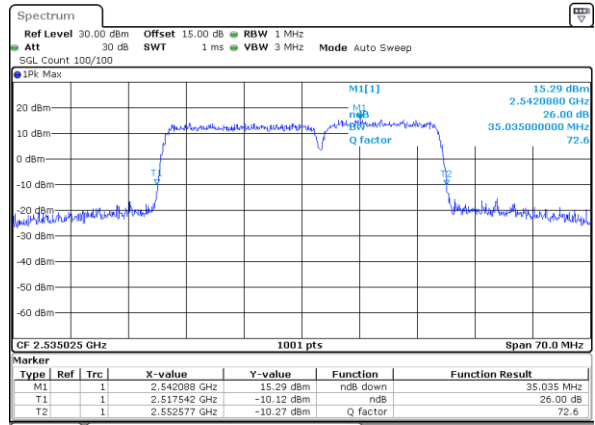
Date: 8 JUL 2024 09:47:17

Middle Channel / 20MHz+10MHz



Date: 5 JUL 2024 11:19:54

Middle Channel / 20MHz+15MHz



Date: 8 JUL 2024 10:14:01

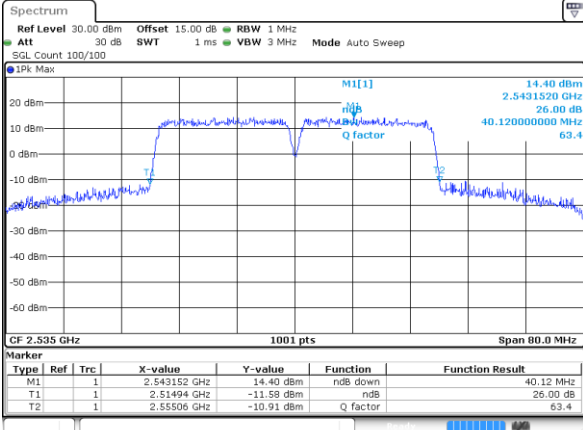


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A



Date: 8 JUL 2024 10:36:42



Occupied Bandwidth

Mode	LTE Band 7C : 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	28.11	23.58	28.77	32.87
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.05	32.94	37.80	

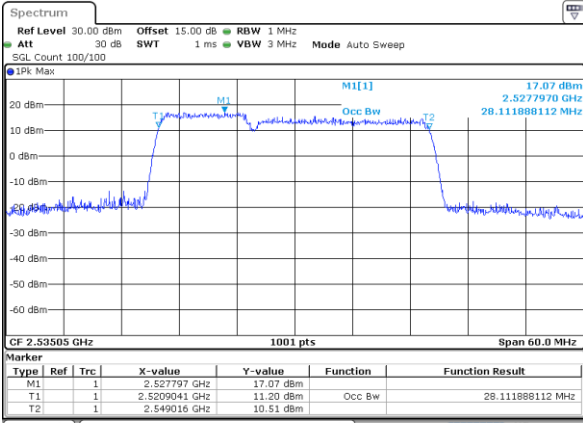
Mode	LTE Band 7C : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	28.17	23.58	28.71	32.87
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.05	32.94	37.72	



LTE Band 7C

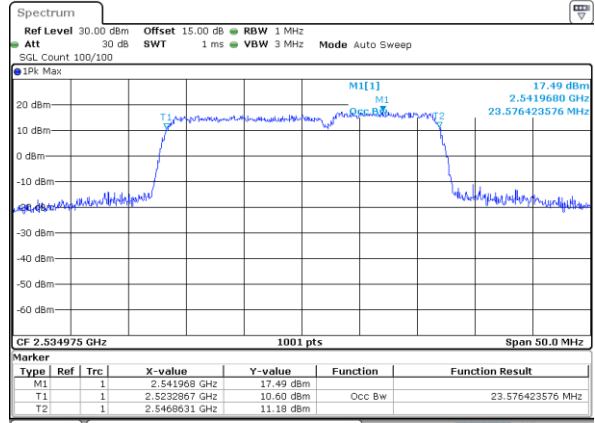
QPSK

Middle Channel / 10MHz+20MHz



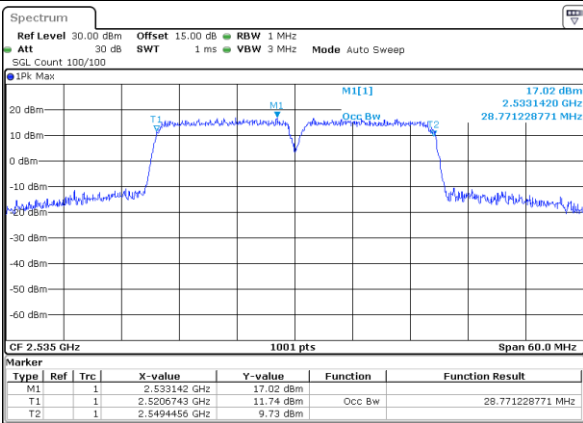
Date: 5 JUL 2024 10:16:37

Middle Channel / 15MHz+10MHz



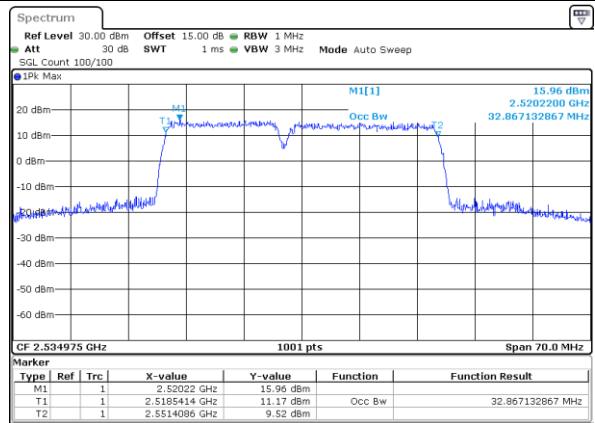
Date: 8 JUL 2024 09:17:06

Middle Channel / 15MHz+15MHz



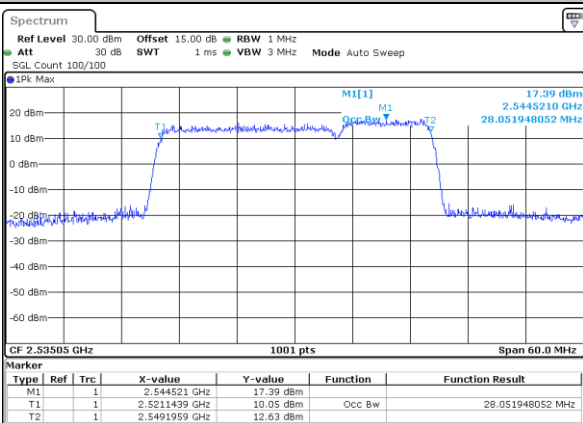
Date: 5 JUL 2024 14:30:41

Middle Channel / 15MHz+20MHz



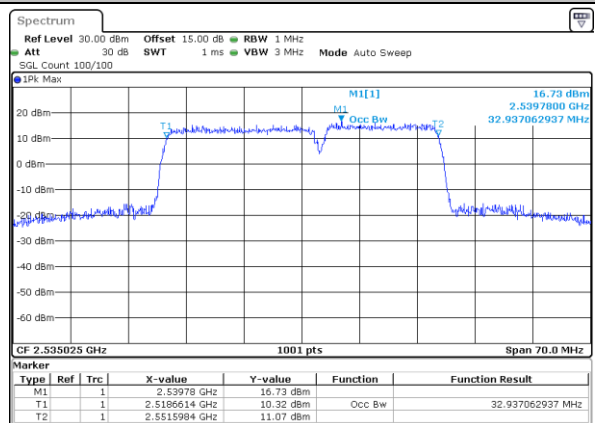
Date: 8 JUL 2024 09:46:18

Middle Channel / 20MHz+10MHz



Date: 5 JUL 2024 11:18:53

Middle Channel / 20MHz+15MHz



Date: 8 JUL 2024 10:13:03

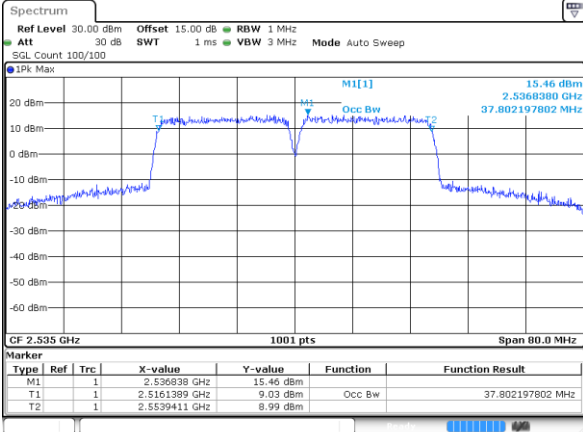


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A



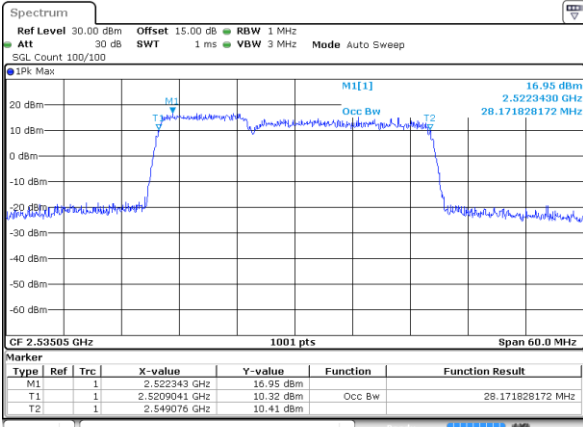
Date: 8 JUL 2024 10:35:47



LTE Band 7C

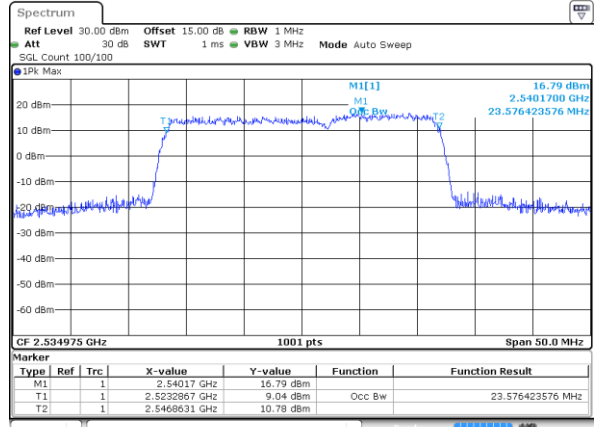
16QAM

Middle Channel / 10MHz+20MHz



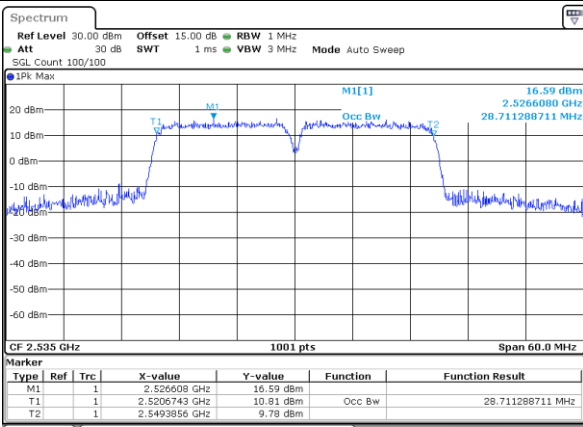
Date: 5 JUL 2024 10:20:12

Middle Channel / 15MHz+10MHz



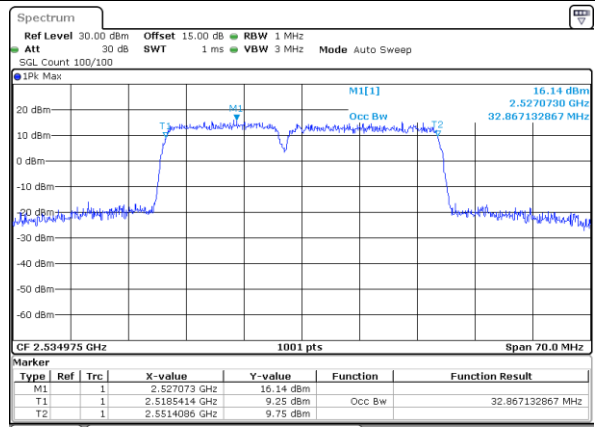
Date: 8 JUL 2024 09:18:34

Middle Channel / 15MHz+15MHz



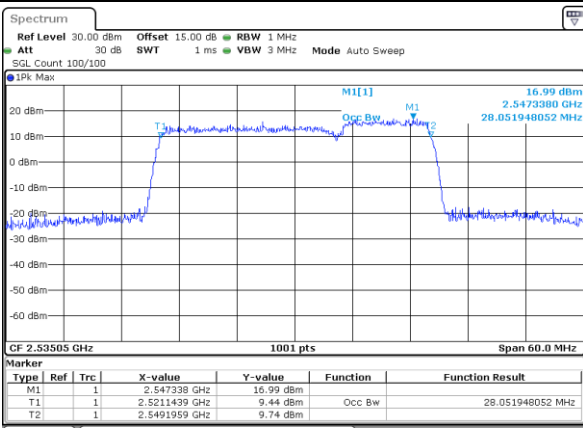
Date: 5 JUL 2024 13:25:23

Middle Channel / 15MHz+20MHz



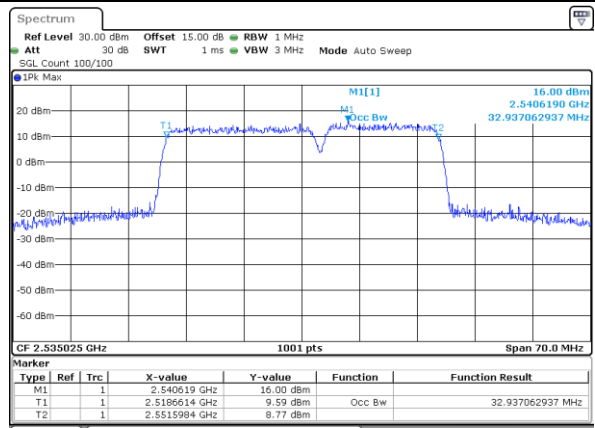
Date: 8 JUL 2024 09:47:46

Middle Channel / 20MHz+10MHz



Date: 5 JUL 2024 11:20:25

Middle Channel / 20MHz+15MHz



Date: 8 JUL 2024 10:14:31

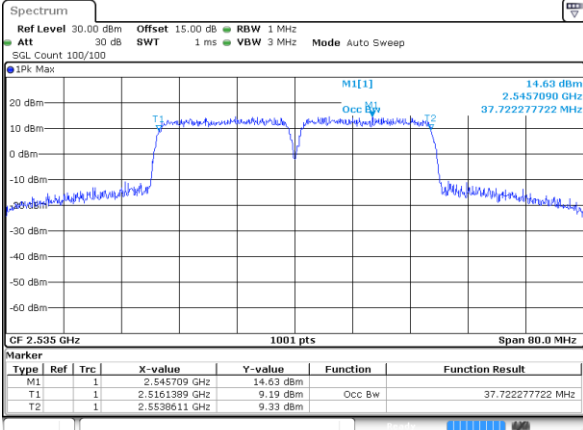


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A



Date: 8 JUL 2024 10:37:10