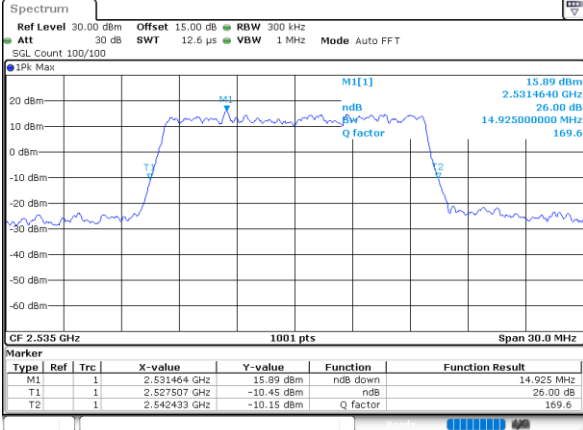




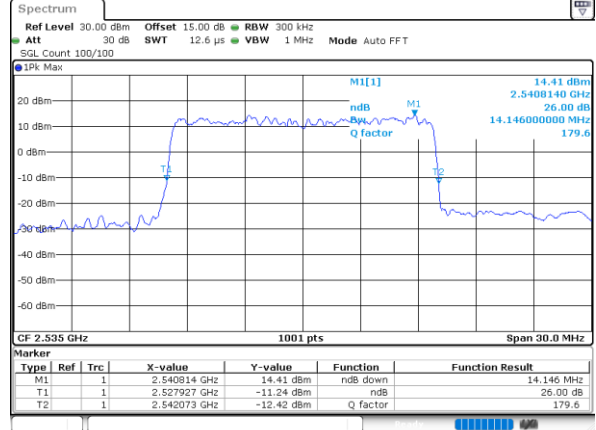
LTE Band 7

Middle Channel / 15MHz / QPSK



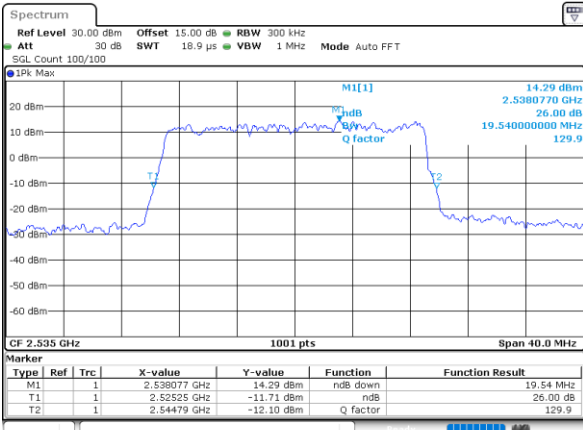
Date: 14.MAR.2024 04:15:23

Middle Channel / 15MHz / 16QAM



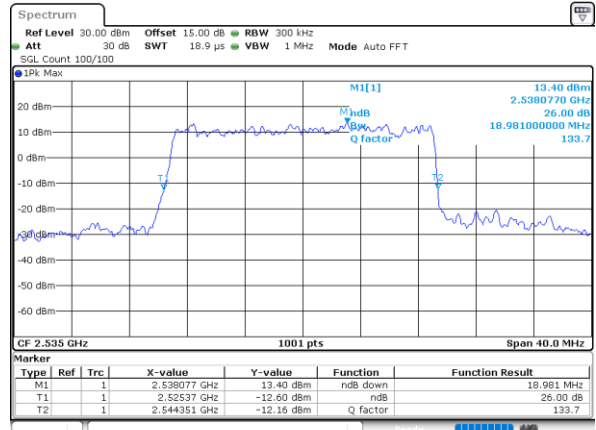
Date: 14.MAR.2024 04:16:06

Middle Channel / 20MHz / QPSK



Date: 14.MAR.2024 04:33:27

Middle Channel / 20MHz / 16QAM

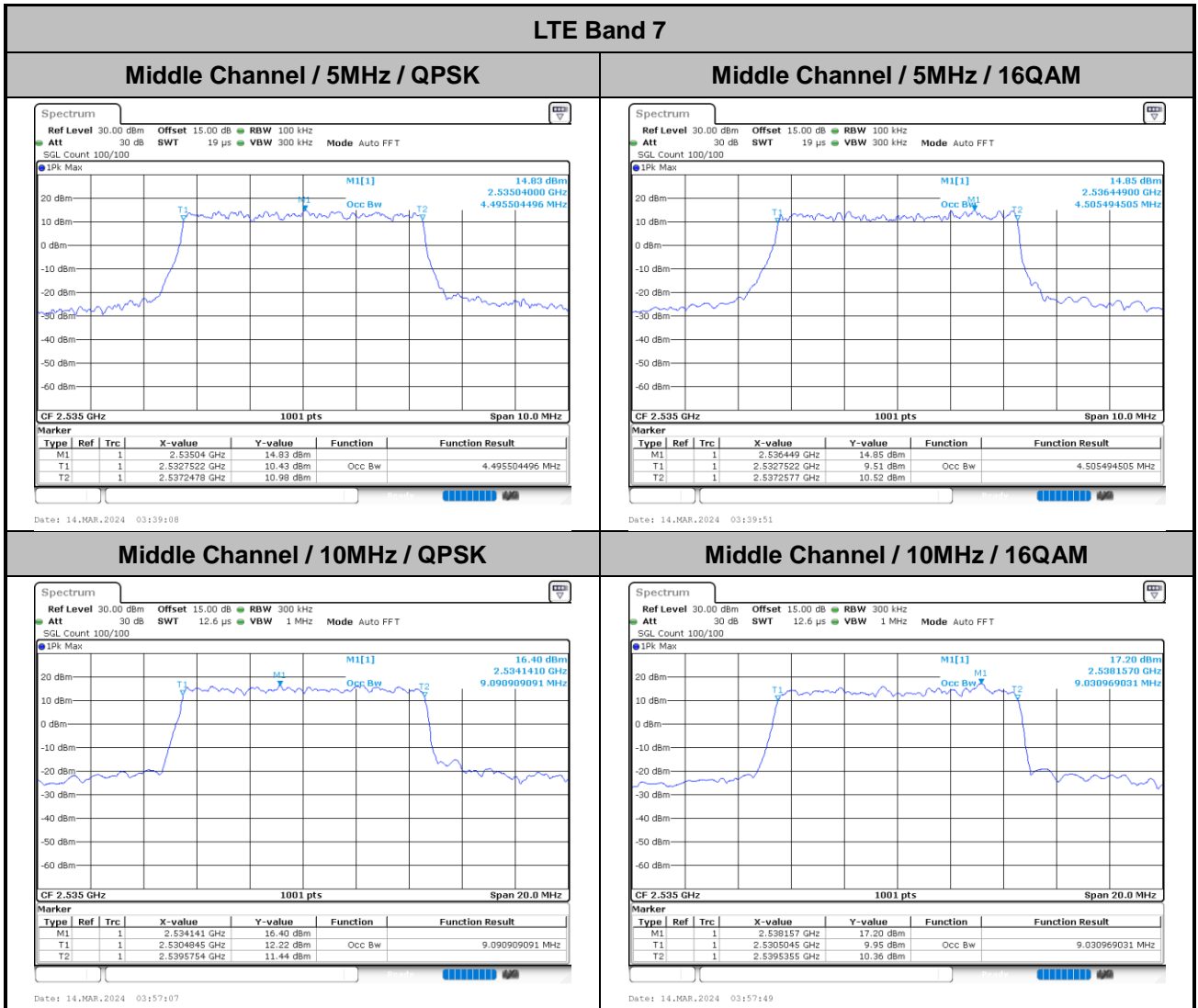


Date: 14.MAR.2024 04:34:10



Occupied Bandwidth

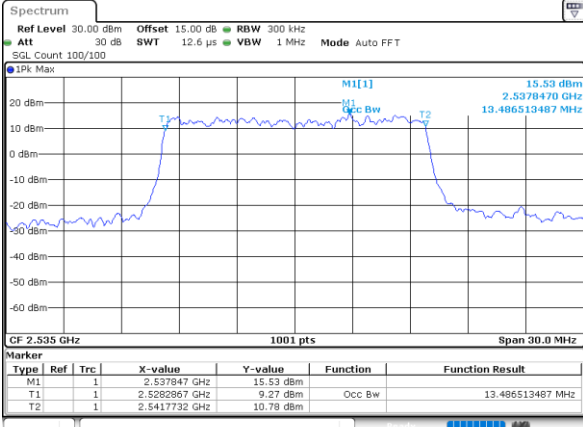
Mode	LTE Band 7 : 99%OBW(MHz)											
	BW			5MHz		10MHz		15MHz		20MHz		
Mod.				QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	
Middle CH				4.50	4.51	9.09	9.03	13.49	13.46	17.90	17.90	





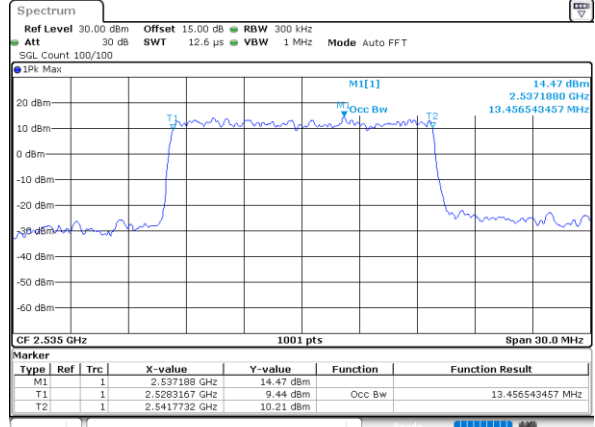
LTE Band 7

Middle Channel / 15MHz / QPSK



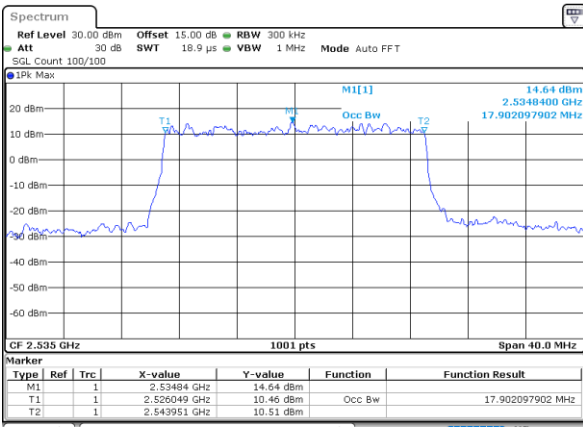
Date: 14.MAR.2024 04:15:09

Middle Channel / 15MHz / 16QAM



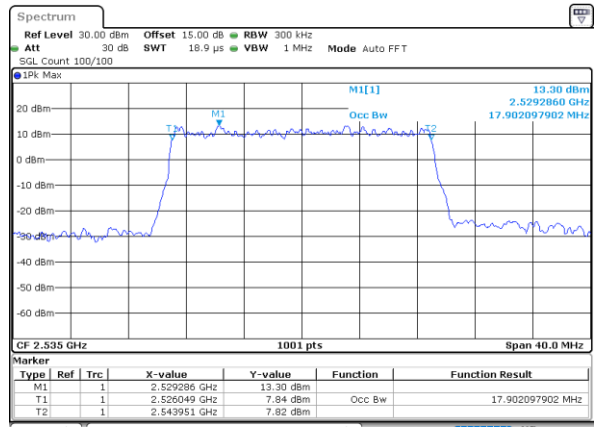
Date: 14.MAR.2024 04:15:52

Middle Channel / 20MHz / QPSK



Date: 14.MAR.2024 04:33:13

Middle Channel / 20MHz / 16QAM



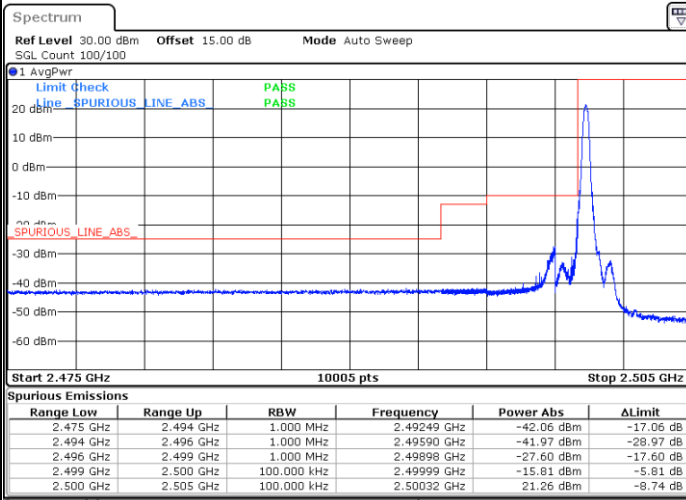
Date: 14.MAR.2024 04:33:56



Conducted Band Edge

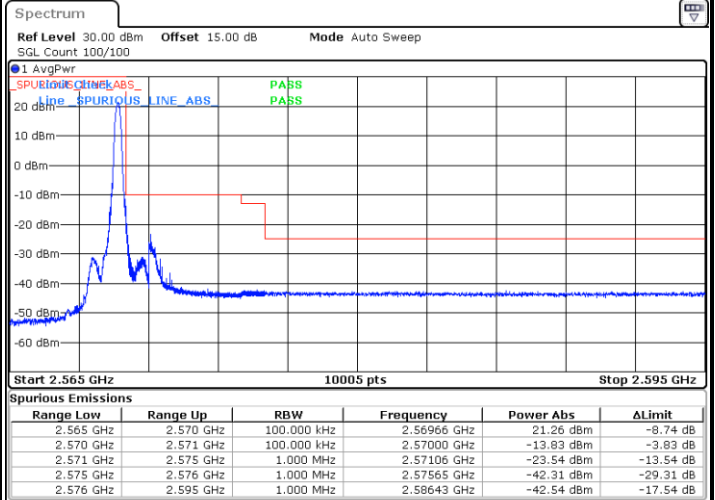
LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



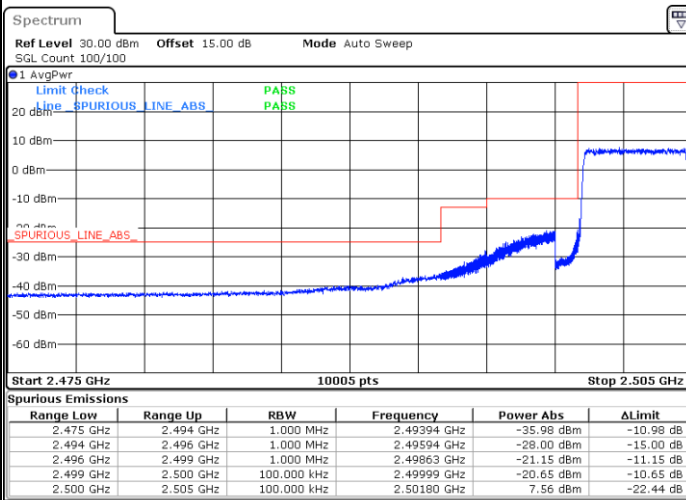
Date: 14.MAR.2024 03:30:50

Highest Band Edge / 1 RB



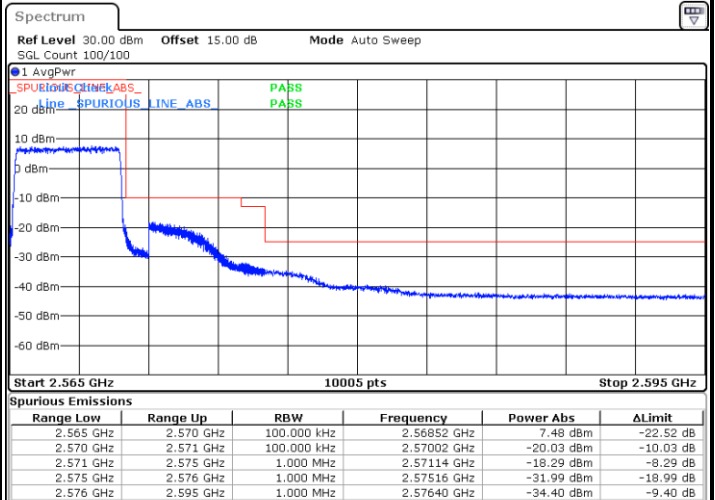
Date: 14.MAR.2024 03:41:08

Lowest Band Edge / Full RB



Date: 14.MAR.2024 03:34:04

Highest Band Edge / Full RB

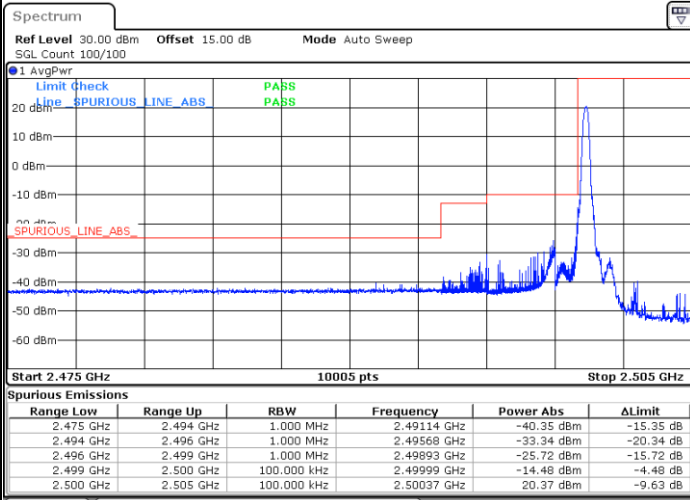


Date: 14.MAR.2024 03:44:21



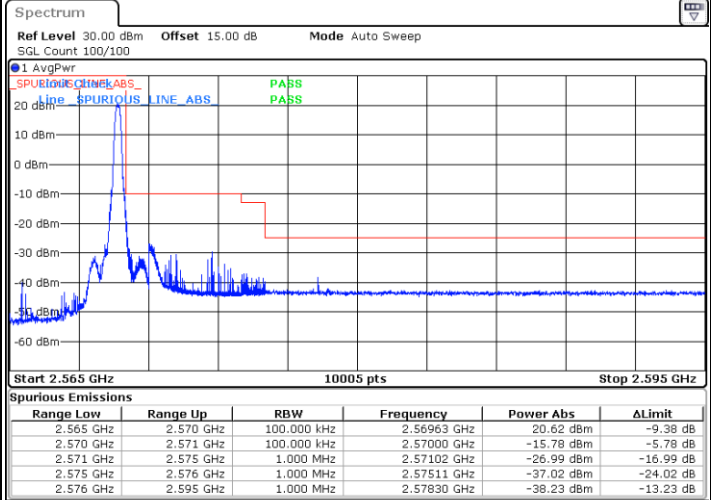
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



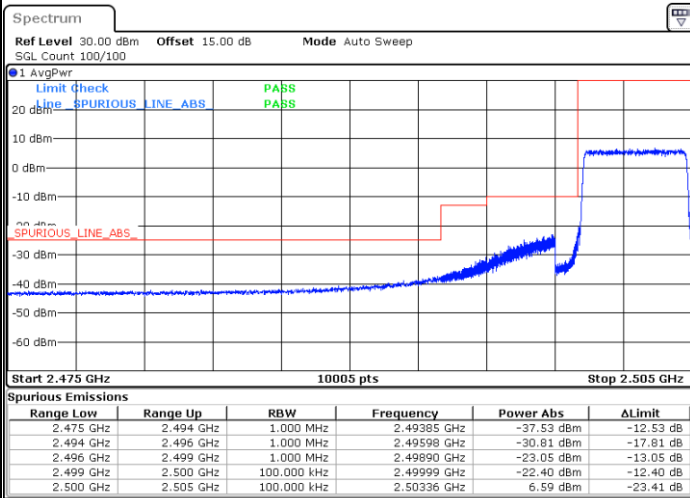
Date: 14.MAR.2024 03:31:54

Highest Band Edge / 1 RB



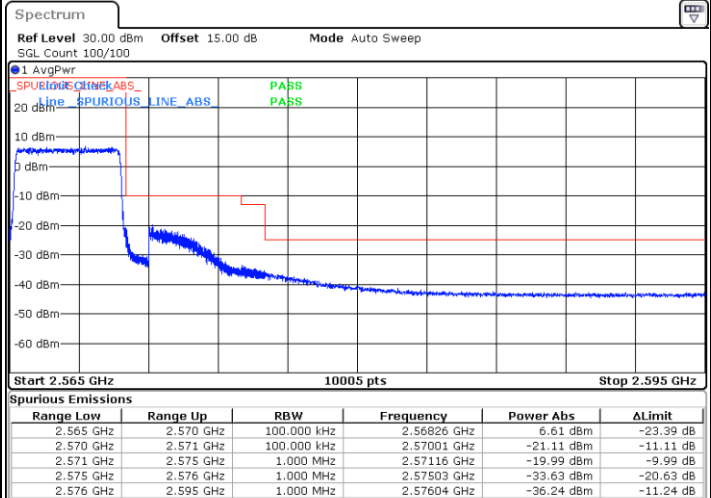
Date: 14.MAR.2024 03:42:12

Lowest Band Edge / Full RB



Date: 14.MAR.2024 03:35:09

Highest Band Edge / Full RB



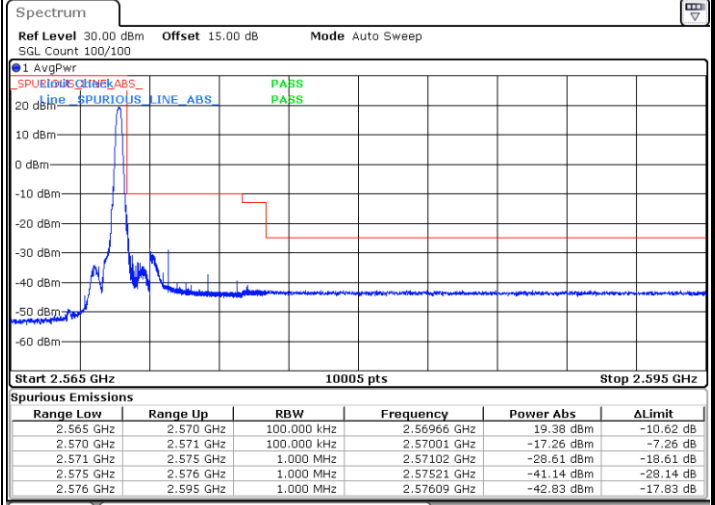
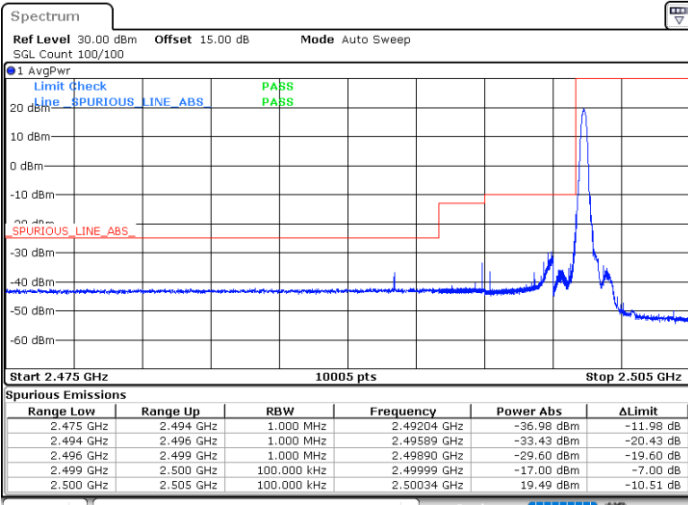
Date: 14.MAR.2024 03:45:25



LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

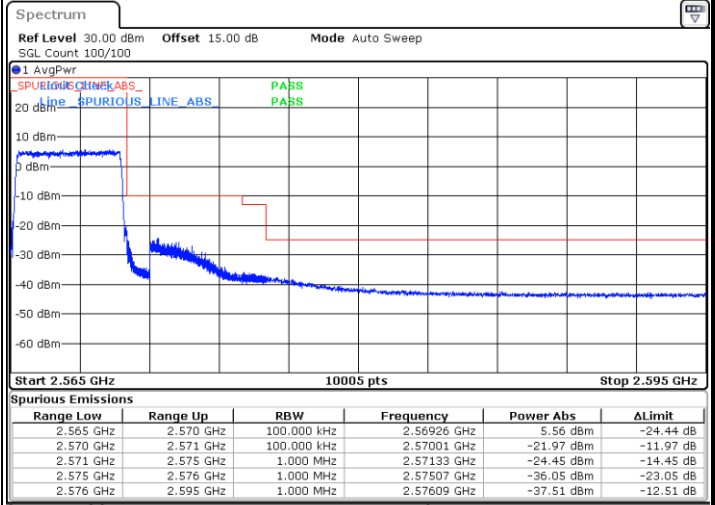
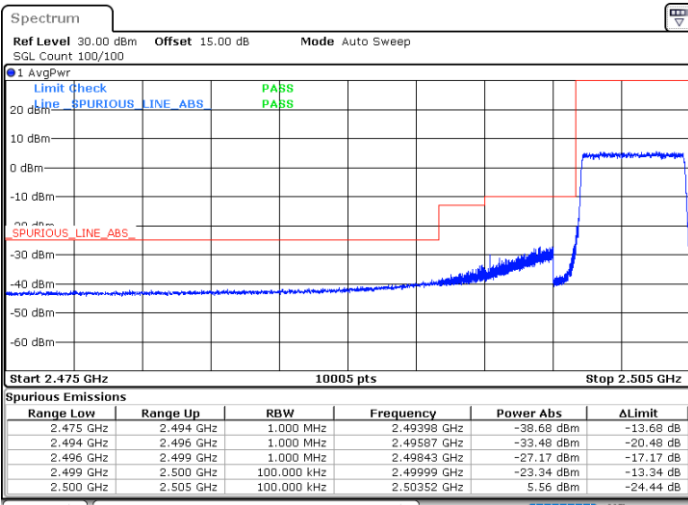


Date: 14.MAR.2024 03:32:59

Date: 14.MAR.2024 03:43:16

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



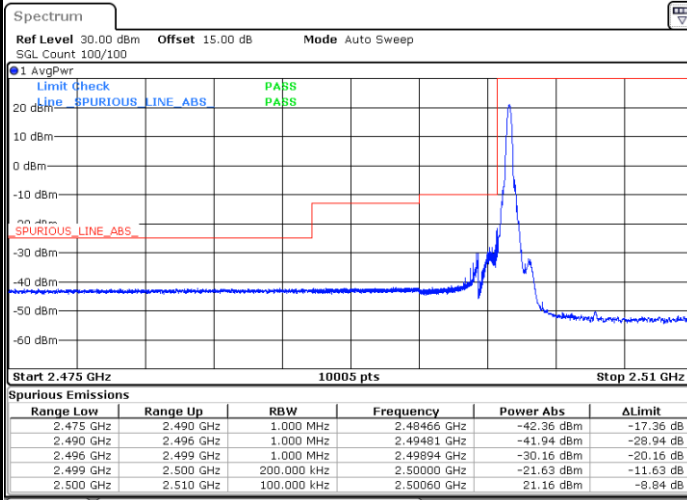
Date: 14.MAR.2024 03:36:13

Date: 14.MAR.2024 03:46:29



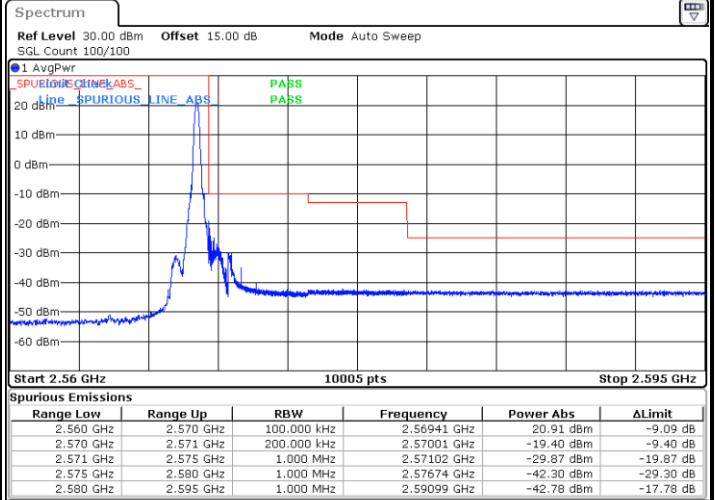
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



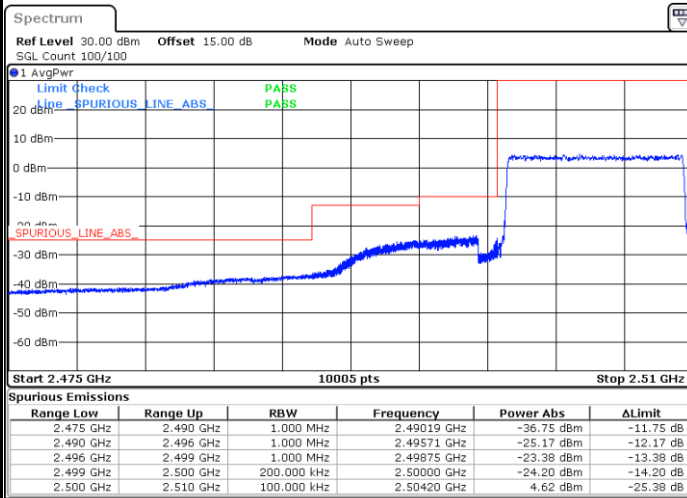
Date: 14.MAR.2024 03:48:51

Highest Band Edge / 1 RB



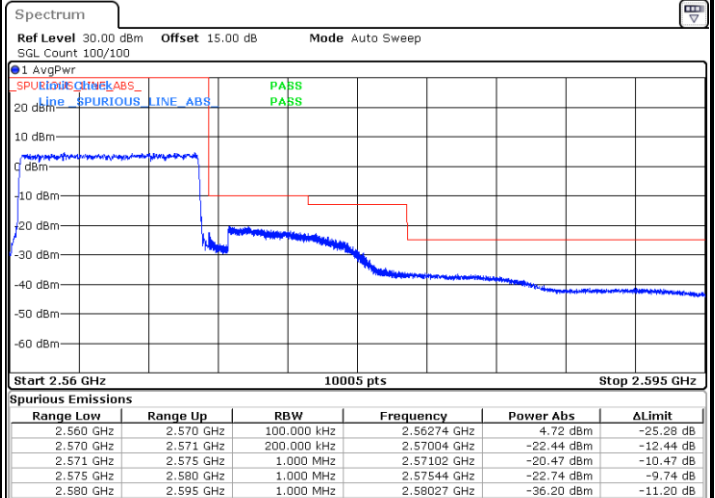
Date: 14.MAR.2024 03:59:07

Lowest Band Edge / Full RB



Date: 14.MAR.2024 03:52:04

Highest Band Edge / Full RB

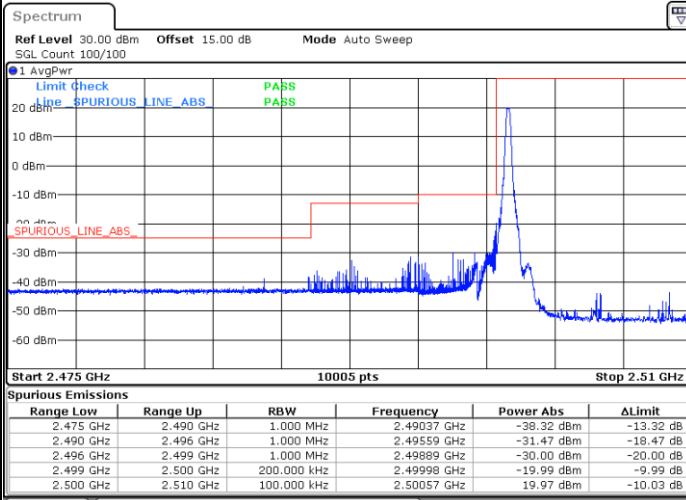


Date: 14.MAR.2024 04:02:20



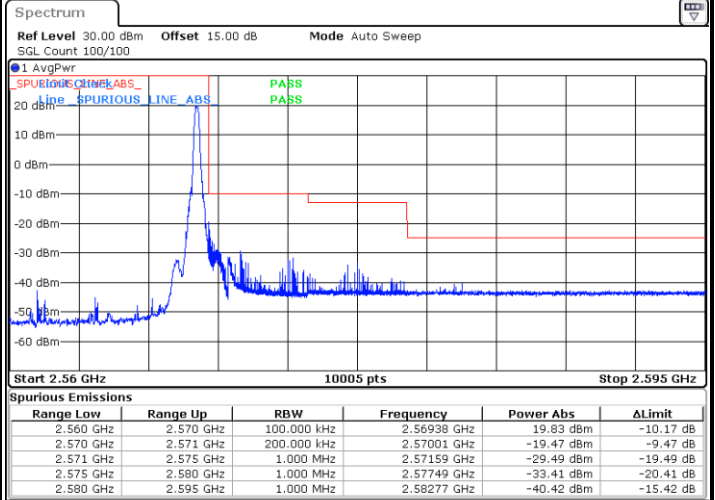
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1RB



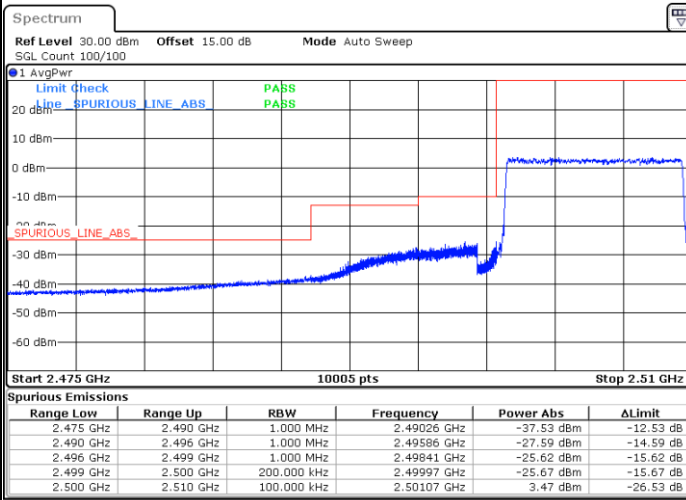
Date: 14.MAR.2024 03:49:55

Highest Band Edge / 1 RB



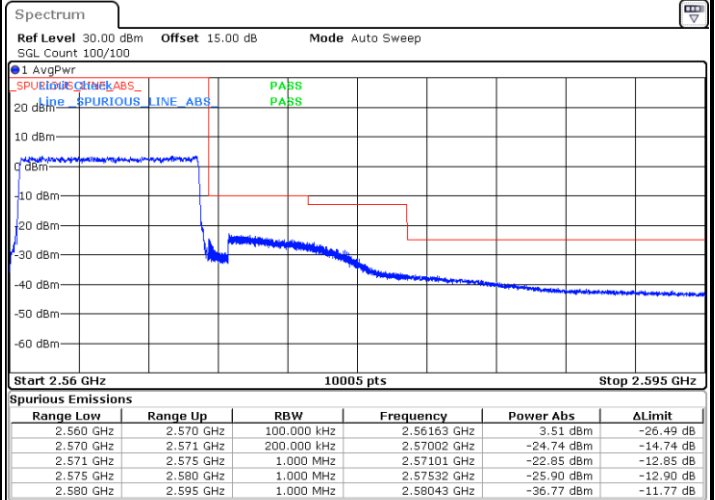
Date: 14.MAR.2024 04:00:11

Lowest Band Edge / Full RB



Date: 14.MAR.2024 03:53:08

Highest Band Edge / Full RB

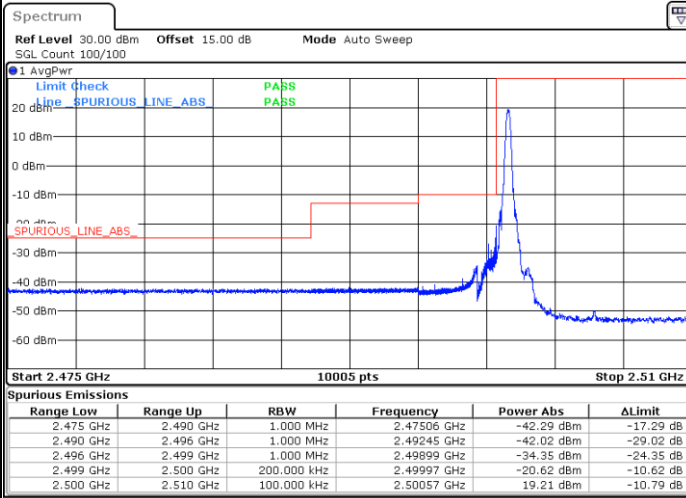


Date: 14.MAR.2024 04:03:24



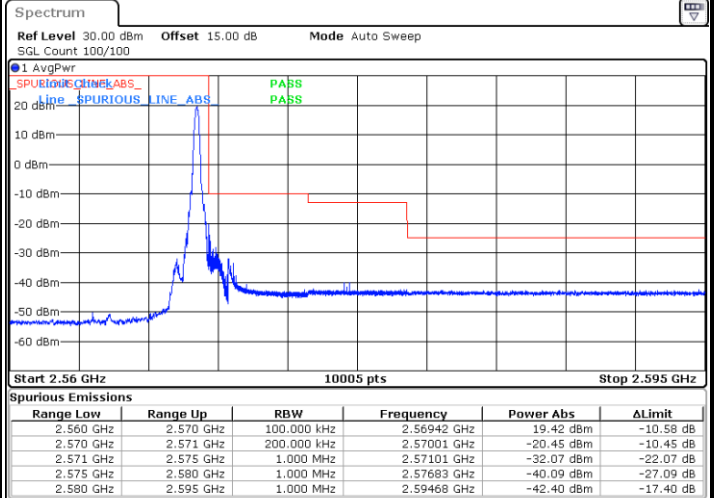
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1RB



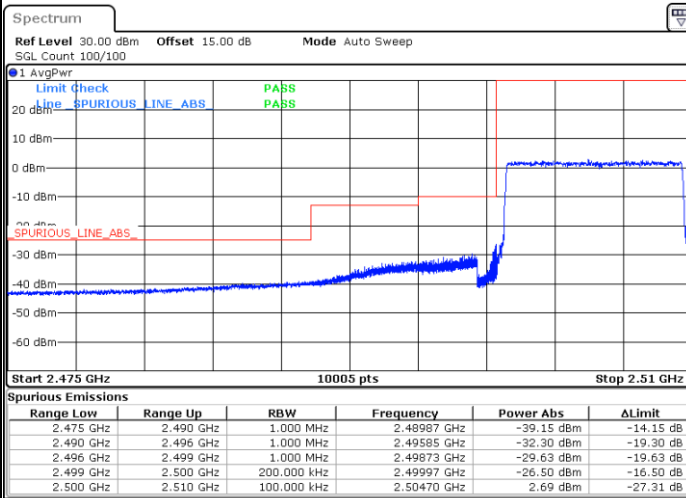
Date: 14.MAR.2024 03:51:00

Highest Band Edge / 1 RB



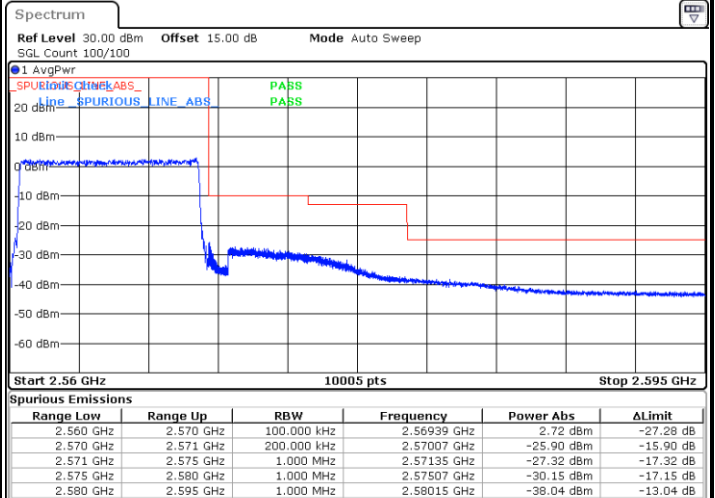
Date: 14.MAR.2024 04:01:15

Lowest Band Edge / Full RB



Date: 14.MAR.2024 03:54:12

Highest Band Edge / Full RB

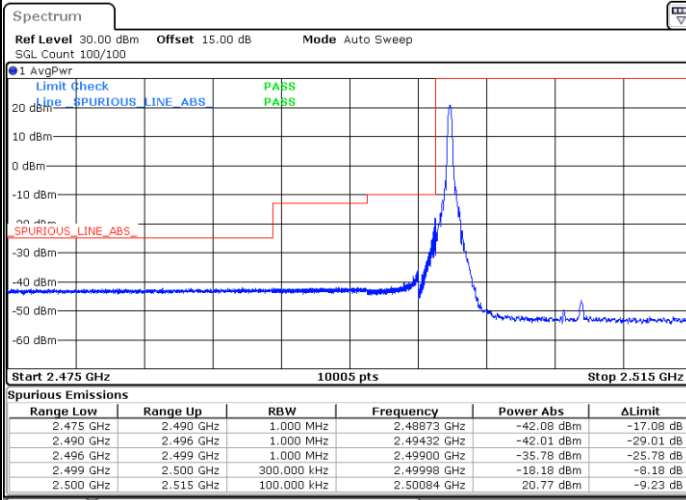


Date: 14.MAR.2024 04:04:28

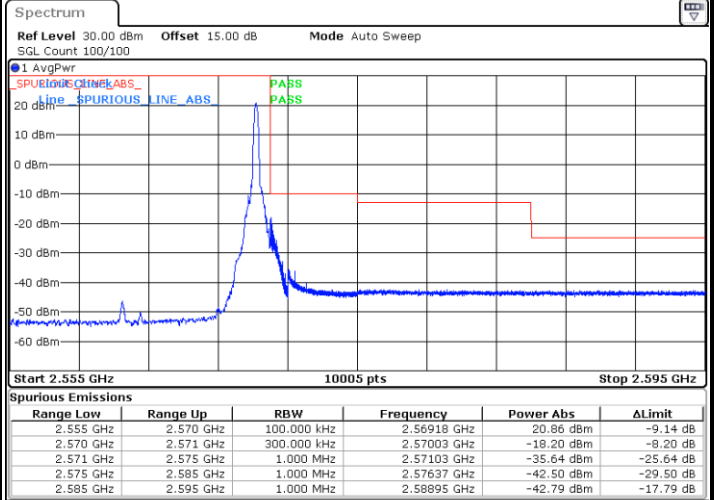


LTE Band 7 / 15MHz / QPSK

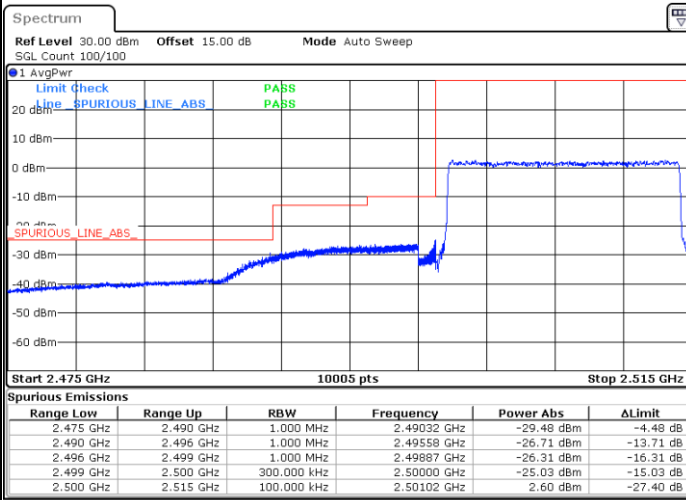
Lowest Band Edge / 1 RB



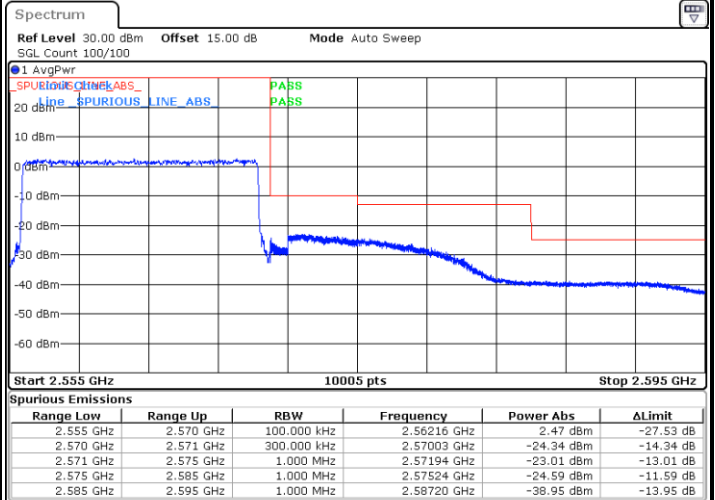
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



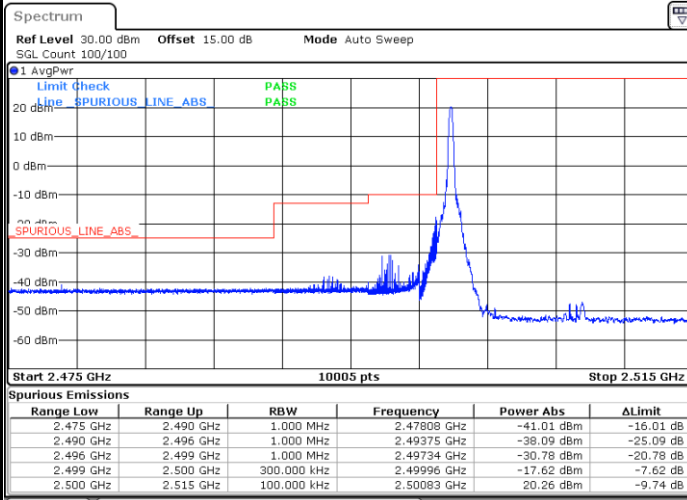
Highest Band Edge / Full RB





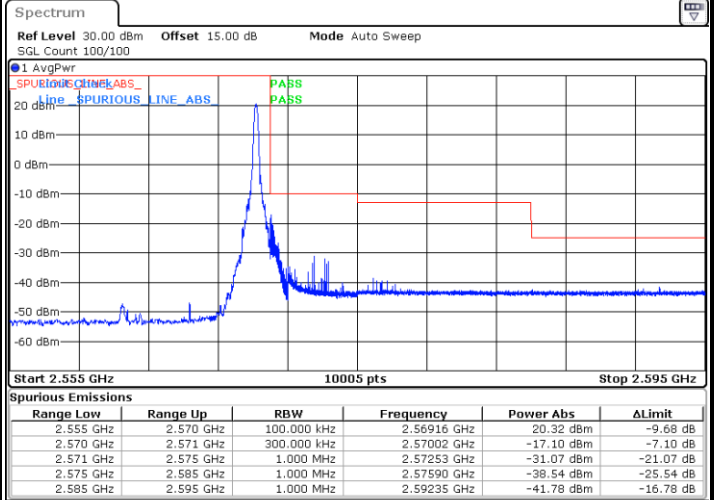
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1RB



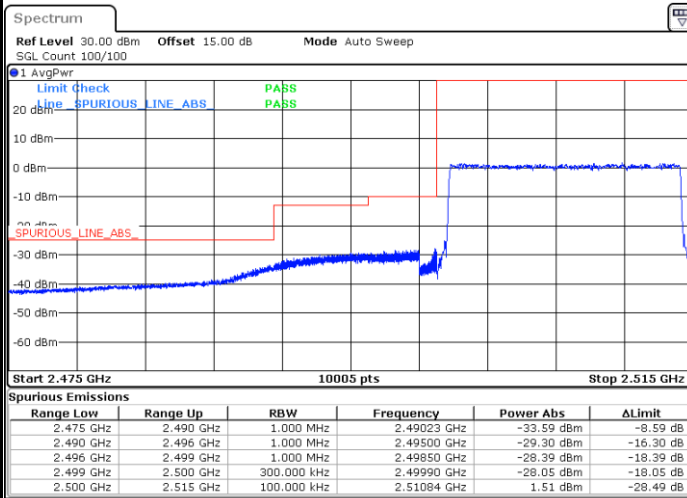
Date: 14.MAR.2024 04:07:55

Highest Band Edge / 1 RB



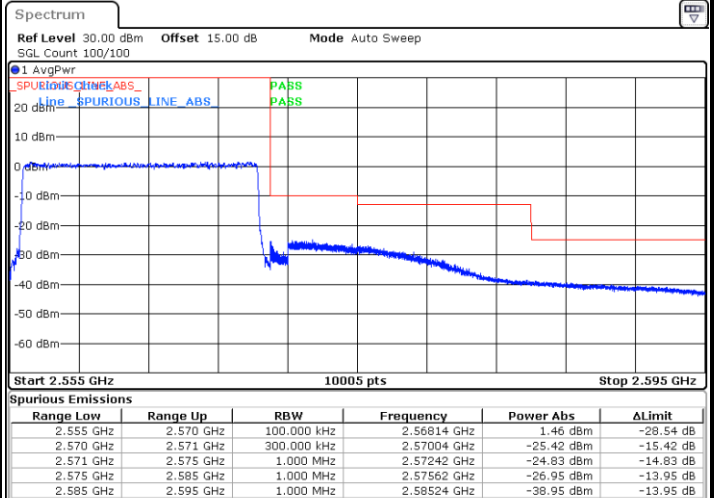
Date: 14.MAR.2024 04:18:13

Lowest Band Edge / Full RB



Date: 14.MAR.2024 04:11:10

Highest Band Edge / Full RB

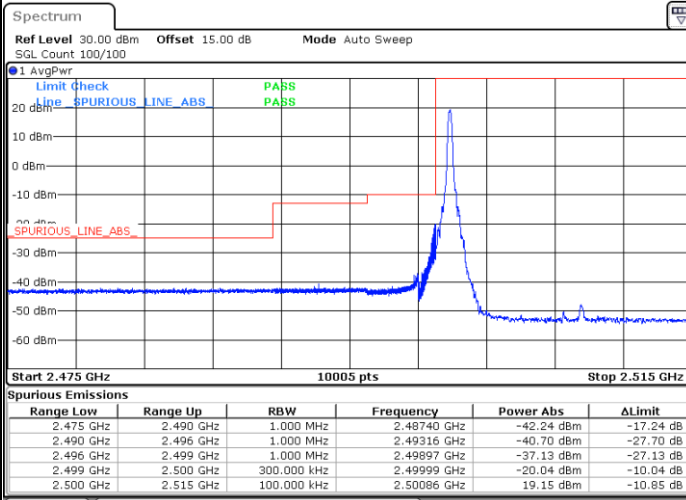


Date: 14.MAR.2024 04:21:29



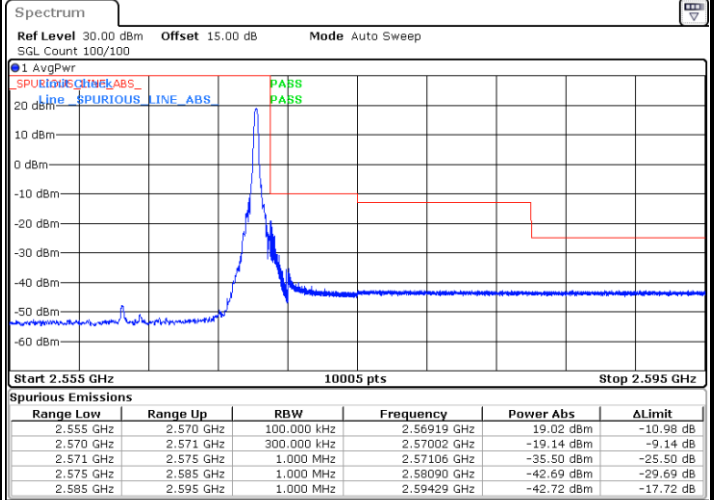
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1RB



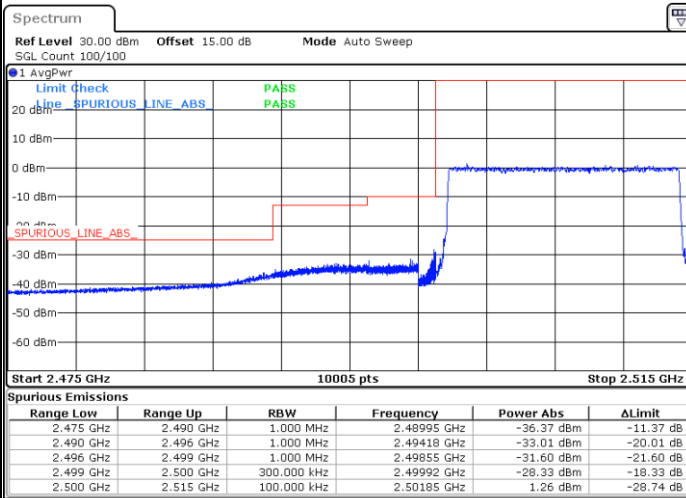
Date: 14.MAR.2024 04:09:00

Highest Band Edge / 1 RB



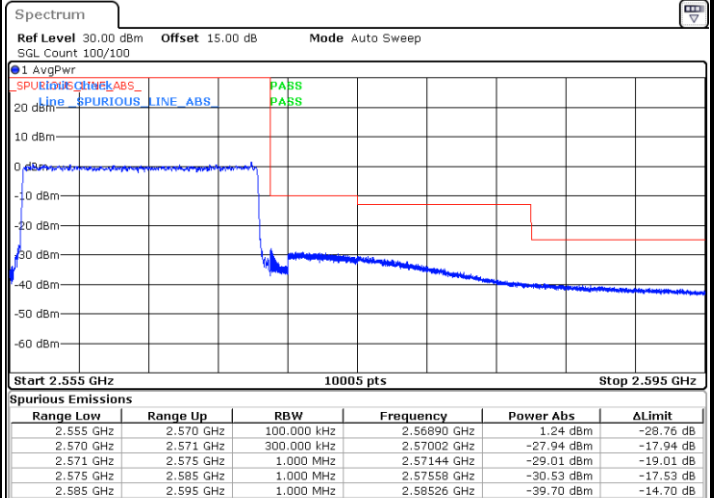
Date: 14.MAR.2024 04:19:20

Lowest Band Edge / Full RB



Date: 14.MAR.2024 04:12:14

Highest Band Edge / Full RB

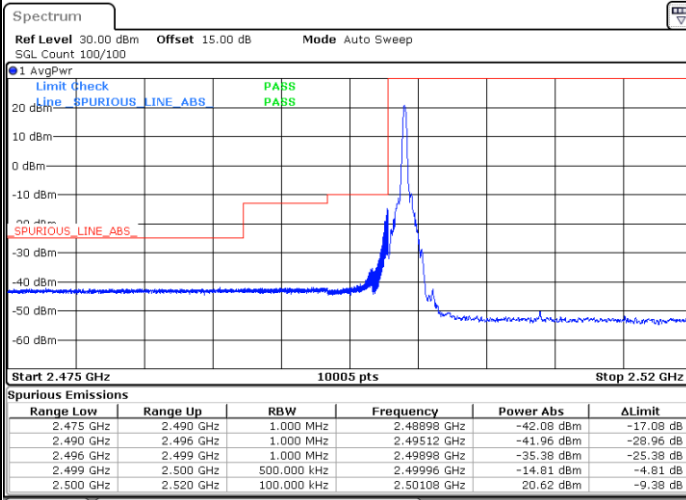


Date: 14.MAR.2024 04:22:33



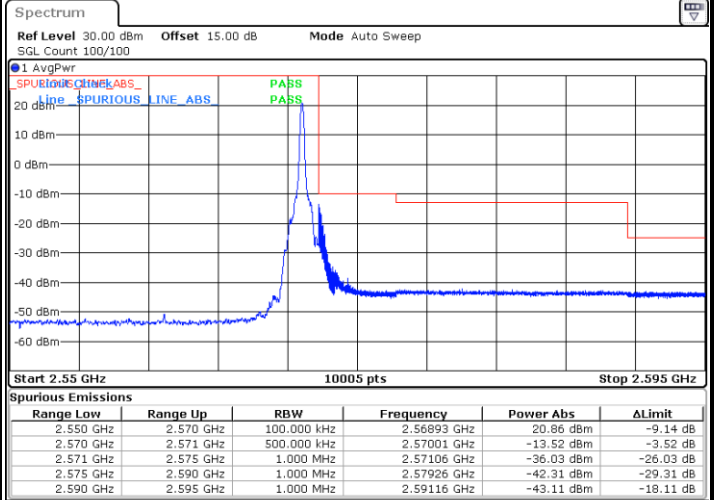
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



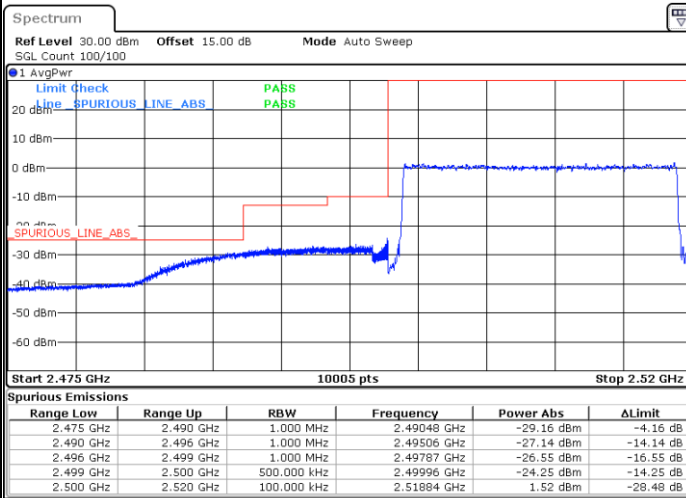
Date: 14.MAR.2024 04:24:56

Highest Band Edge / 1 RB



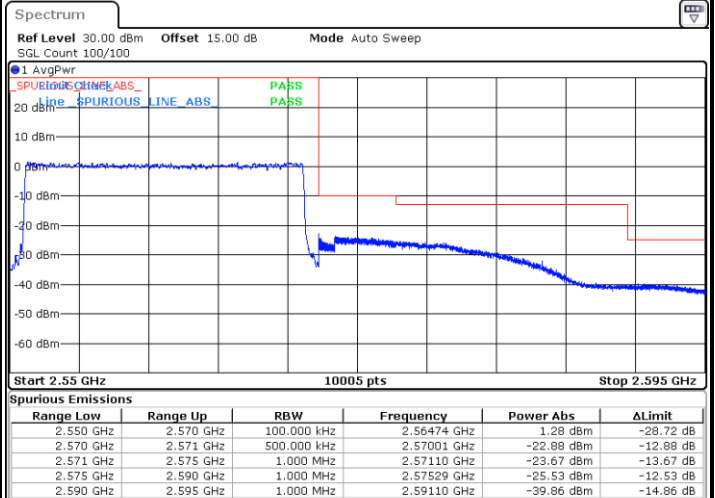
Date: 14.MAR.2024 04:36:44

Lowest Band Edge / Full RB



Date: 14.MAR.2024 04:28:10

Highest Band Edge / Full RB

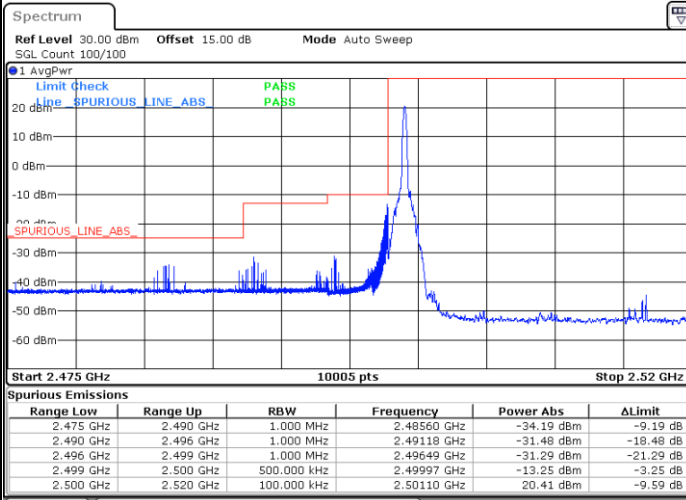


Date: 14.MAR.2024 04:39:57



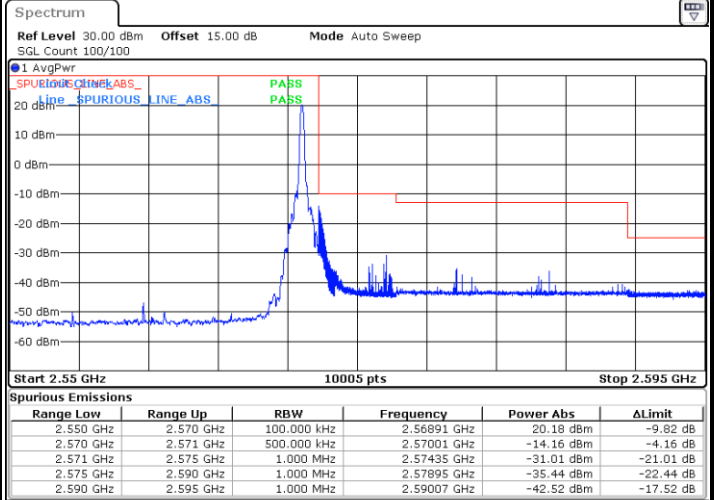
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1RB



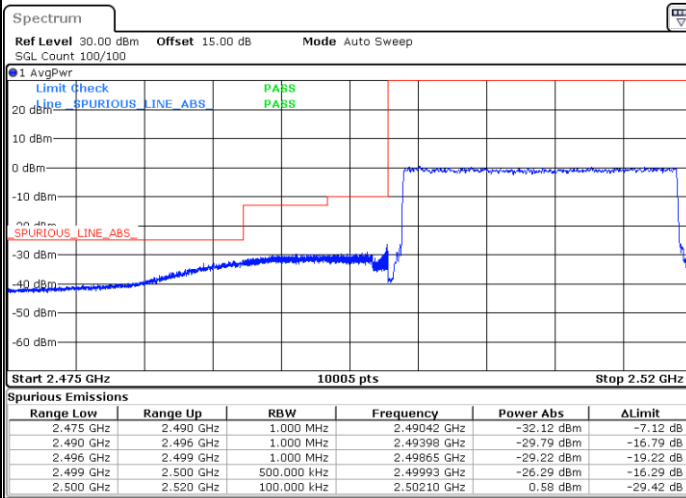
Date: 14.MAR.2024 04:26:00

Highest Band Edge / 1 RB



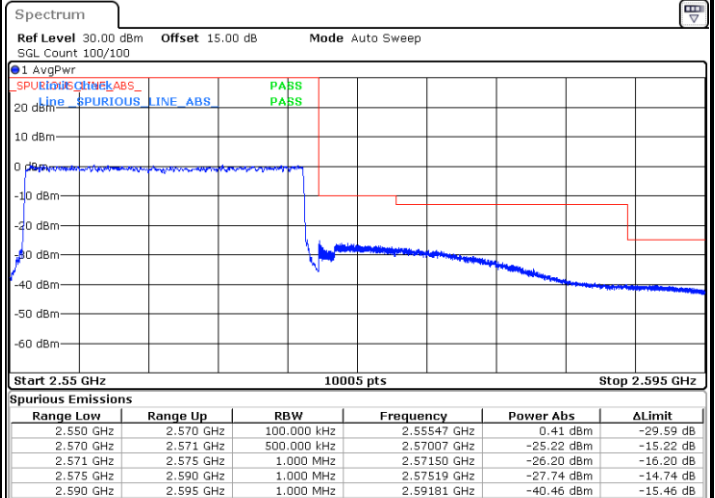
Date: 14.MAR.2024 04:37:48

Lowest Band Edge / Full RB



Date: 14.MAR.2024 04:29:14

Highest Band Edge / Full RB

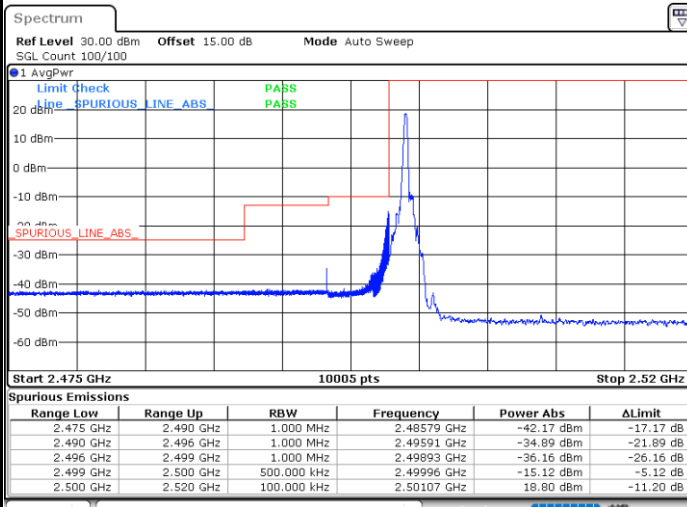


Date: 14.MAR.2024 04:41:01



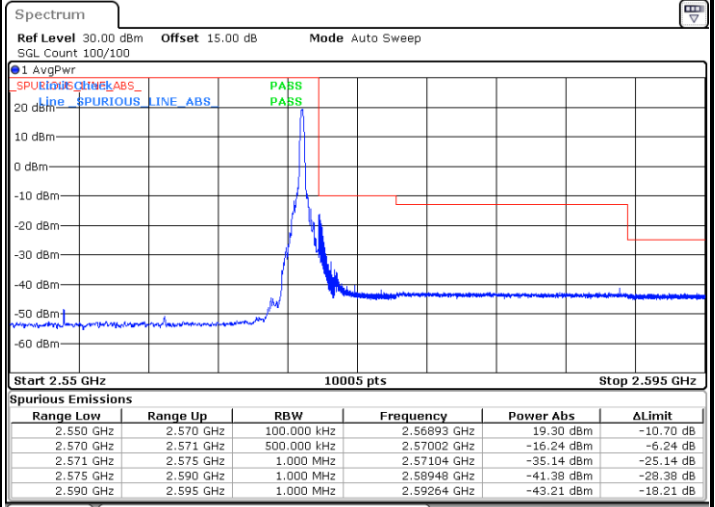
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1RB



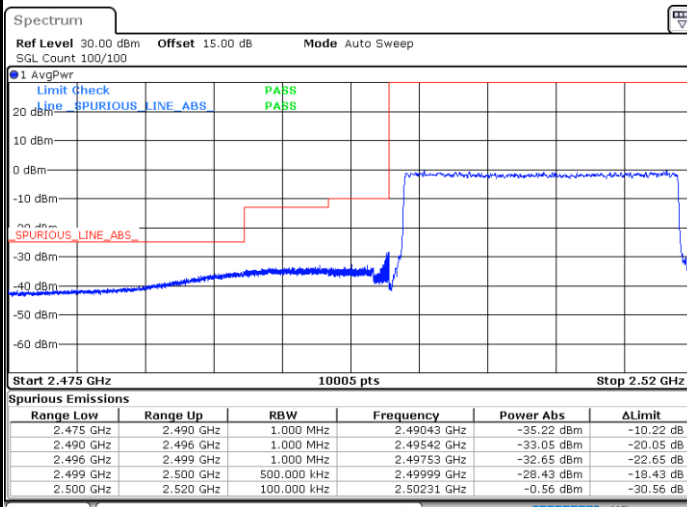
Date: 14.MAR.2024 04:27:05

Highest Band Edge / 1 RB



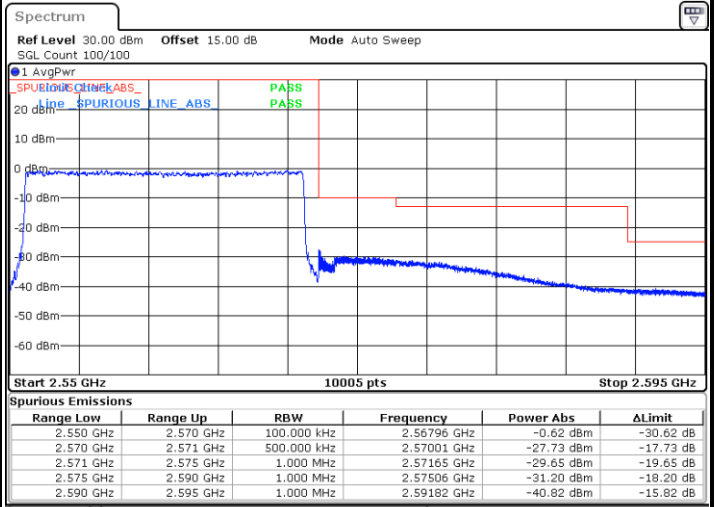
Date: 14.MAR.2024 04:38:52

Lowest Band Edge / Full RB



Date: 14.MAR.2024 04:30:19

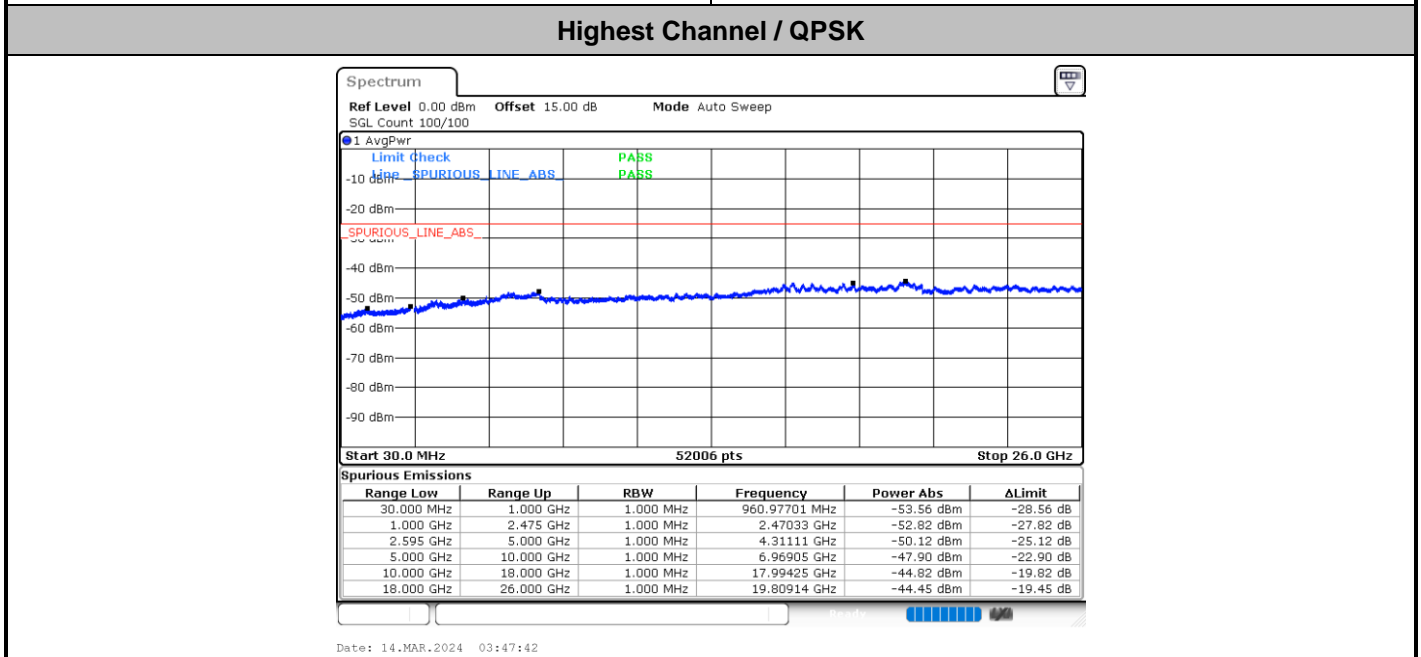
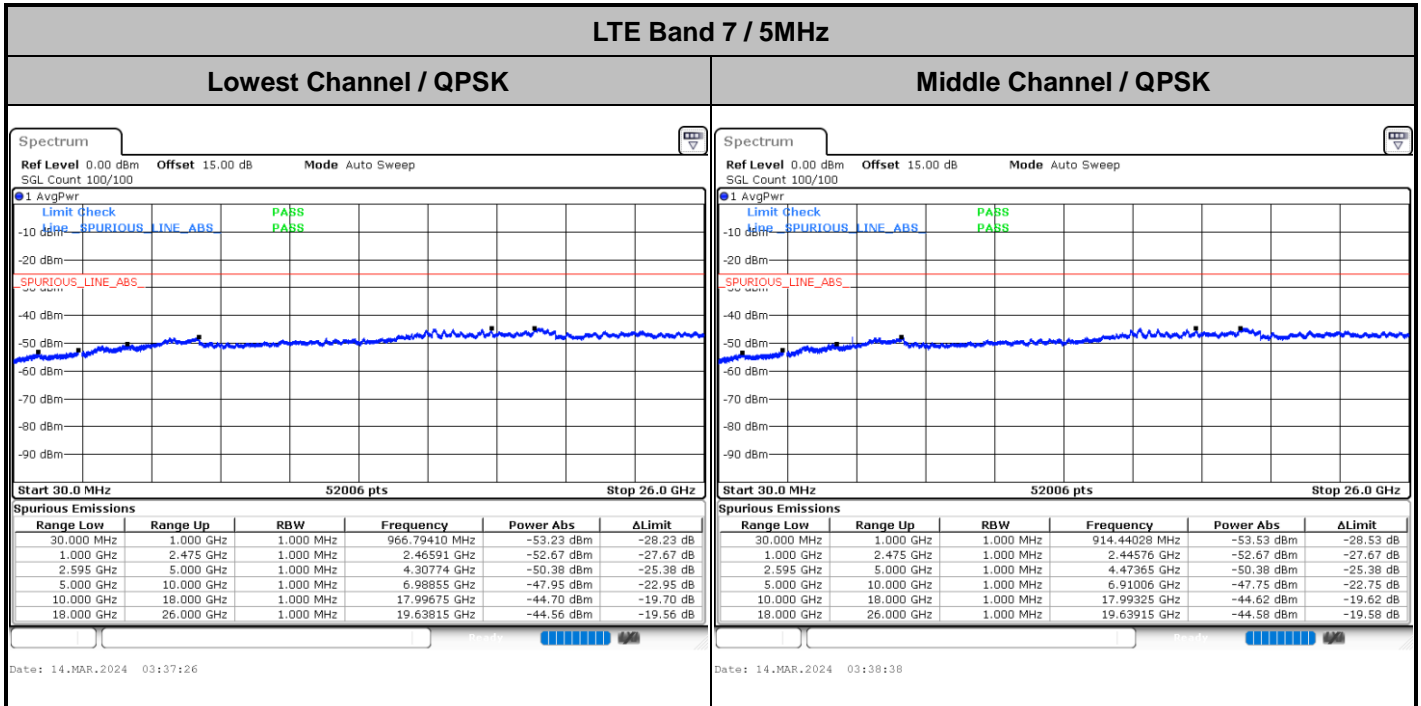
Highest Band Edge / Full RB



Date: 14.MAR.2024 04:42:05



Conducted Spurious Emission

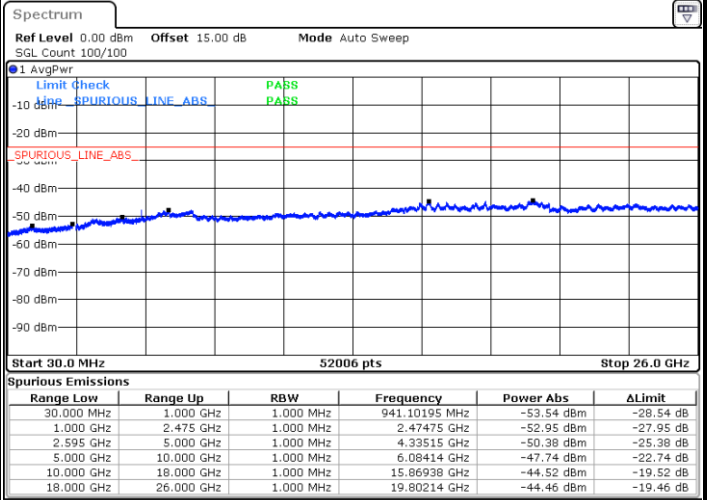
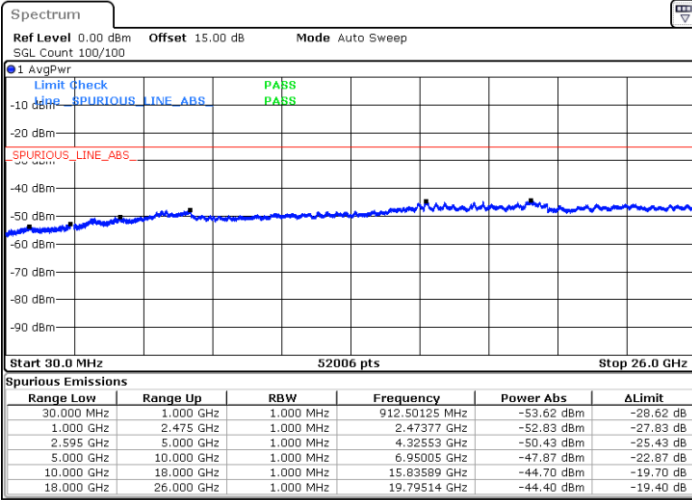




LTE Band 7 / 10MHz

Lowest Channel / QPSK

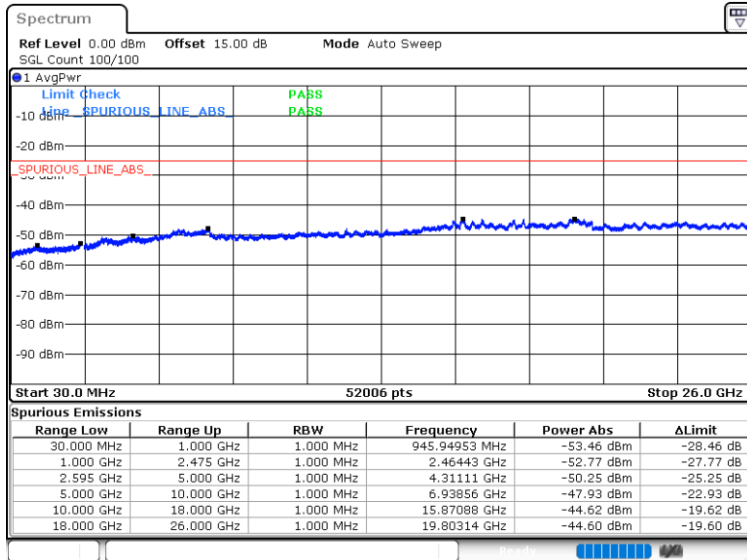
Middle Channel / QPSK



Date: 14.MAR.2024 03:55:25

Date: 14.MAR.2024 03:56:38

Highest Channel / QPSK



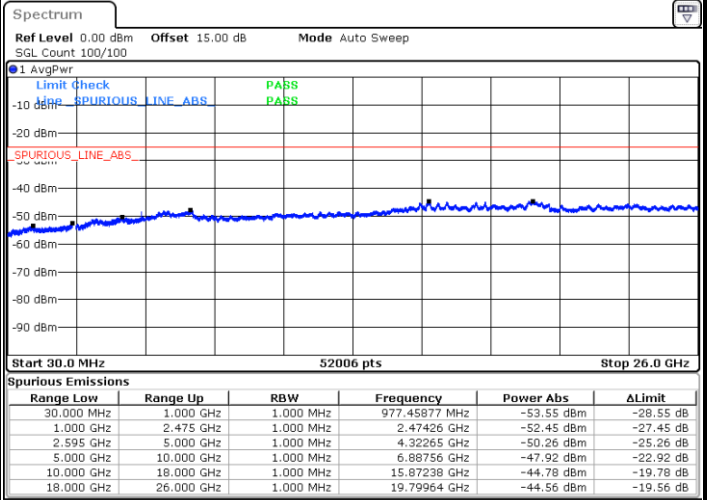
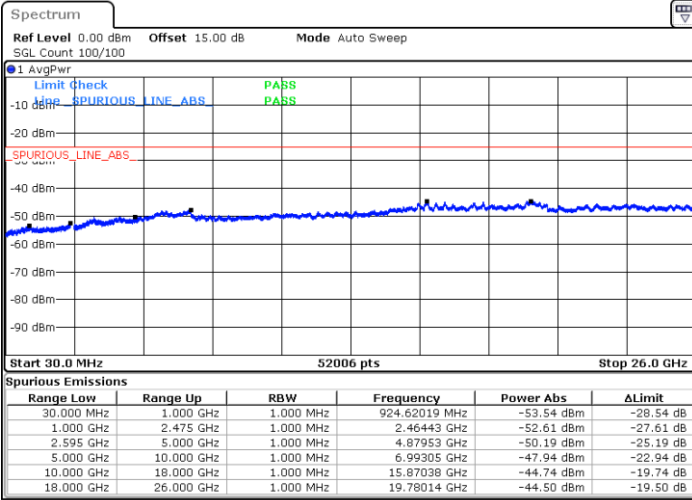
Date: 14.MAR.2024 04:05:41



LTE Band 7 / 15MHz

Lowest Channel / QPSK

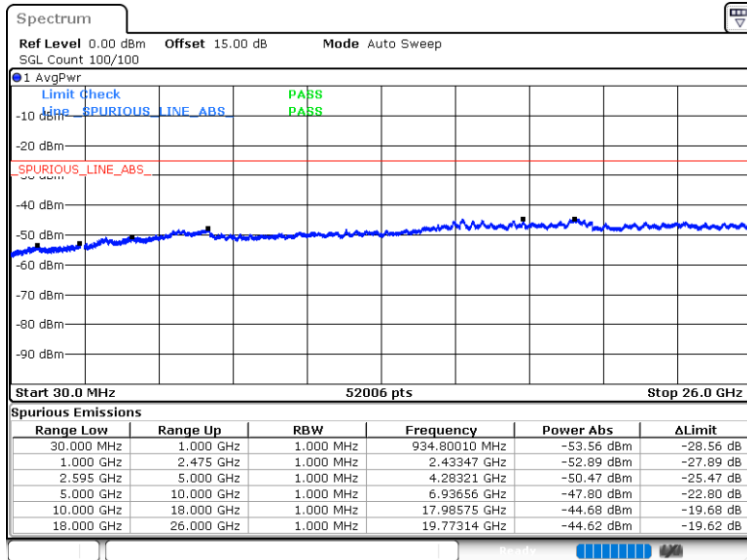
Middle Channel / QPSK



Date: 14.MAR.2024 04:13:27

Date: 14.MAR.2024 04:14:39

Highest Channel / QPSK



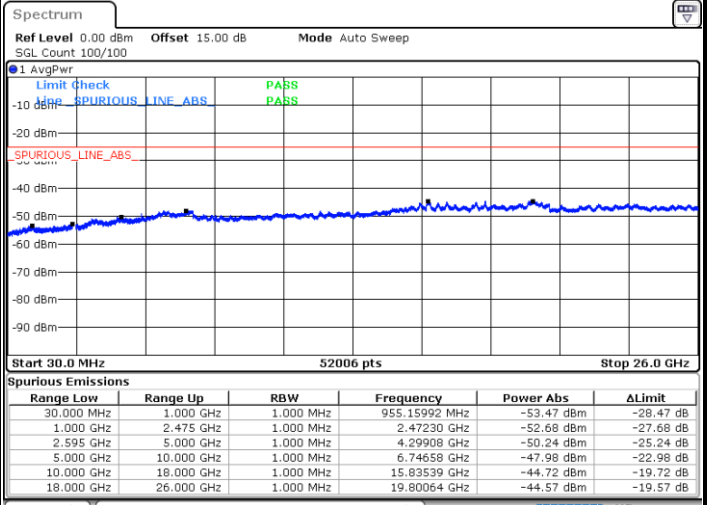
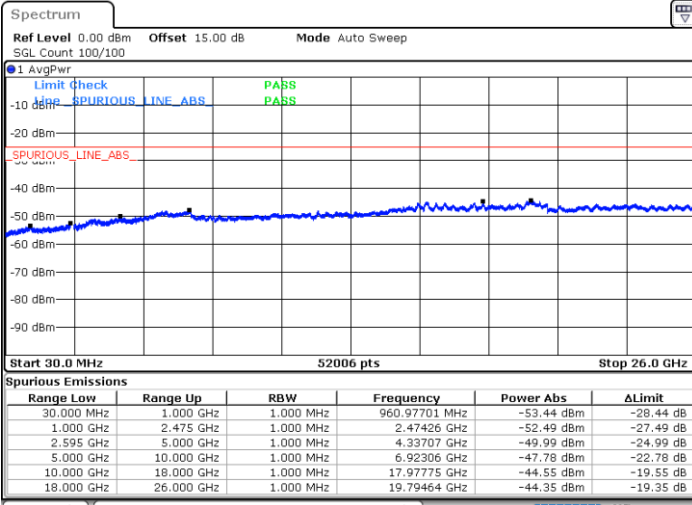
Date: 14.MAR.2024 04:23:46



LTE Band 7 / 20MHz

Lowest Channel / QPSK

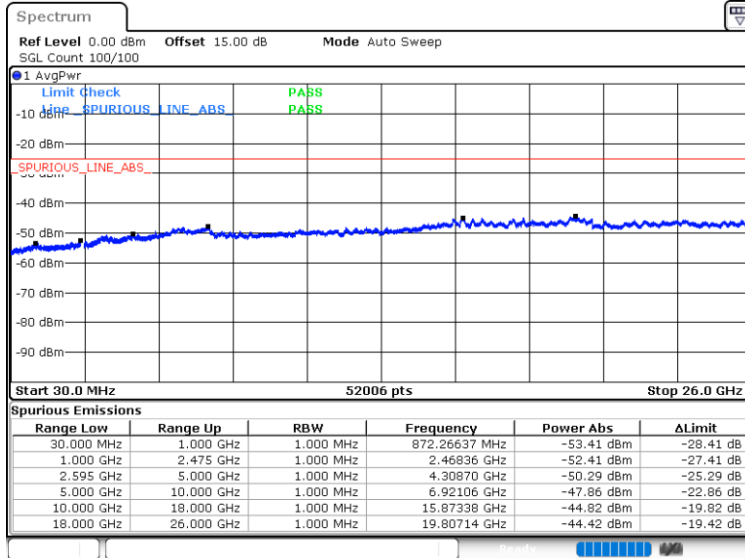
Middle Channel / QPSK



Date: 14.MAR.2024 04:31:32

Date: 14.MAR.2024 04:32:44

Highest Channel / QPSK



Date: 14.MAR.2024 04:43:18



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	0.0005	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0020	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.7 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7C

26dB Bandwidth

Mode	LTE Band 7C : 26dB BW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.97	25.48	30.81	34.97
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.21	35.04	39.88	

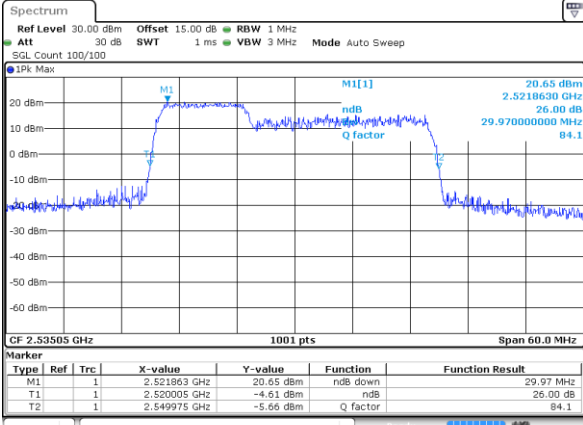
Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.85	25.33	30.51	35.18
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.03	35.04	39.80	



LTE Band 7C

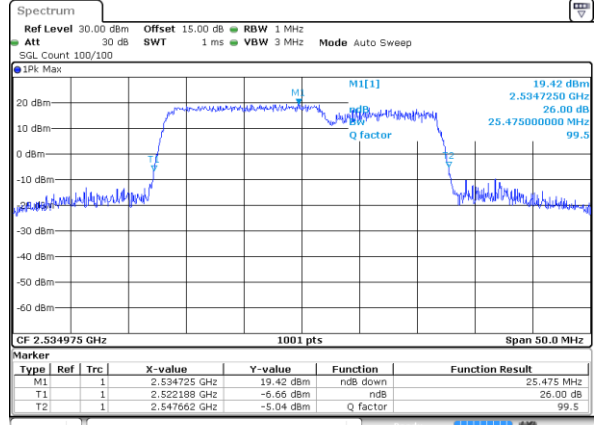
QPSK

Middle Channel / 10MHz+20MHz



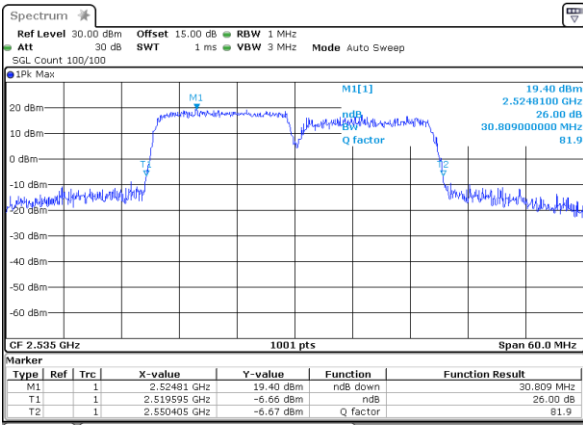
Date: 7 APR 2024 13:03:47

Middle Channel / 15MHz+10MHz



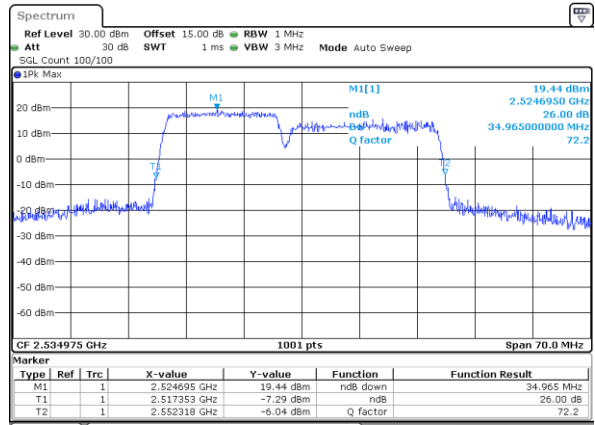
Date: 7 APR 2024 15:30:38

Middle Channel / 15MHz+15MHz



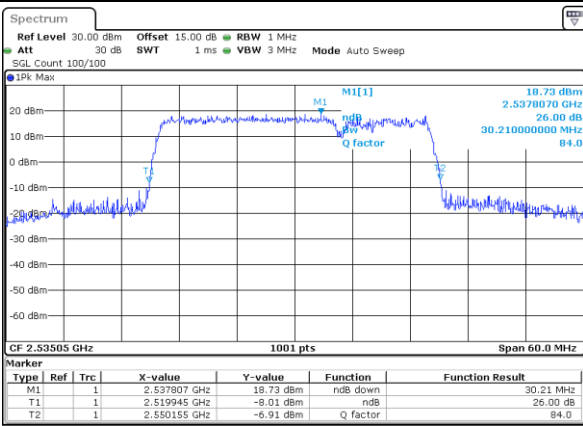
Date: 9 APR 2024 19:45:44

Middle Channel / 15MHz+20MHz



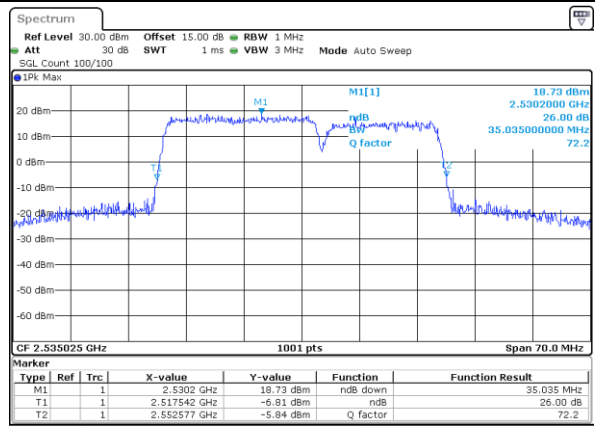
Date: 7 APR 2024 14:27:14

Middle Channel / 20MHz+10MHz



Date: 7 APR 2024 13:36:34

Middle Channel / 20MHz+15MHz



Date: 7 APR 2024 14:52:48

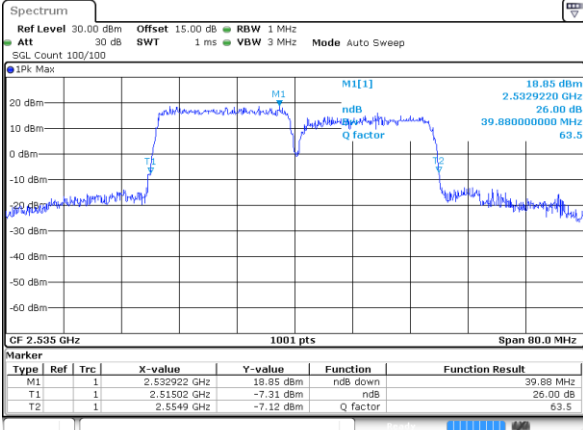


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A

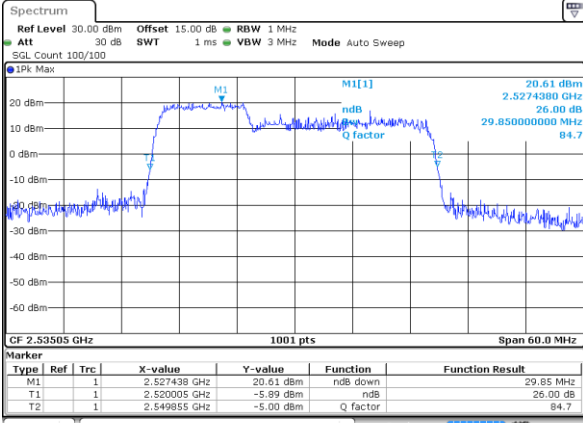




LTE Band 7C

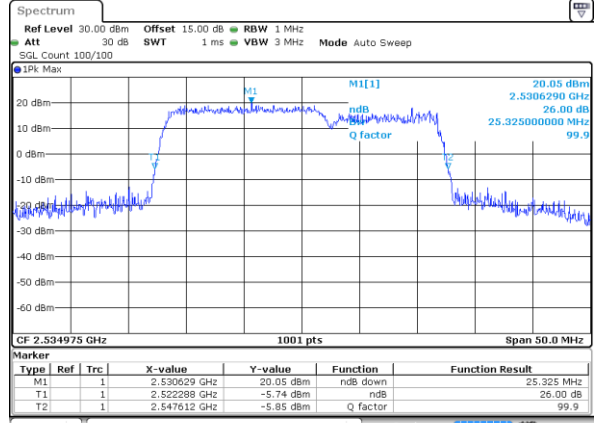
16QAM

Middle Channel / 10MHz+20MHz



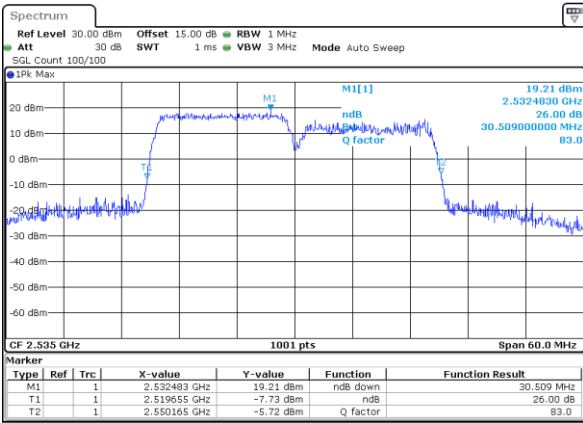
Date: 7 APR 2024 13:04:19

Middle Channel / 15MHz+10MHz



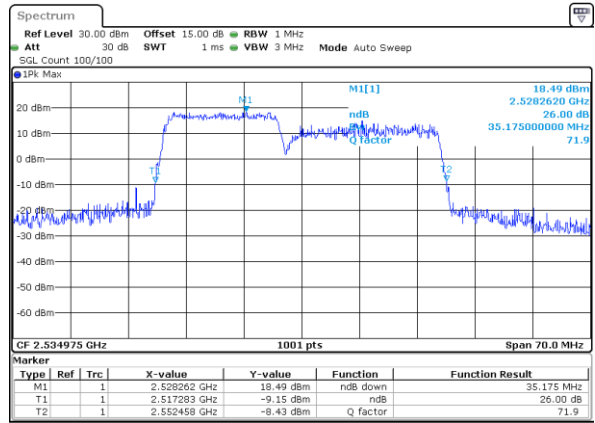
Date: 7 APR 2024 15:31:10

Middle Channel / 15MHz+15MHz



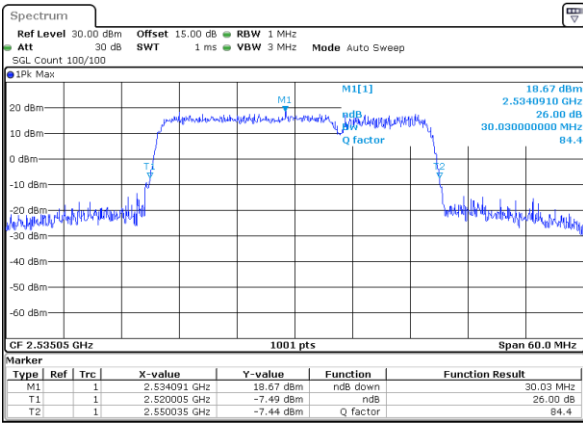
Date: 7 APR 2024 14:09:23

Middle Channel / 15MHz+20MHz



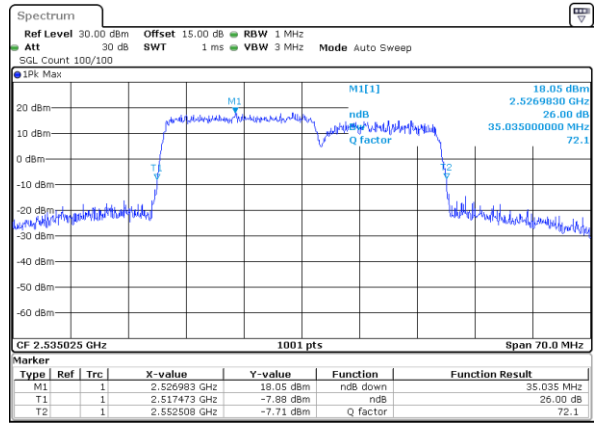
Date: 7 APR 2024 14:27:46

Middle Channel / 20MHz+10MHz



Date: 9 APR 2024 19:47:36

Middle Channel / 20MHz+15MHz



Date: 7 APR 2024 14:53:20

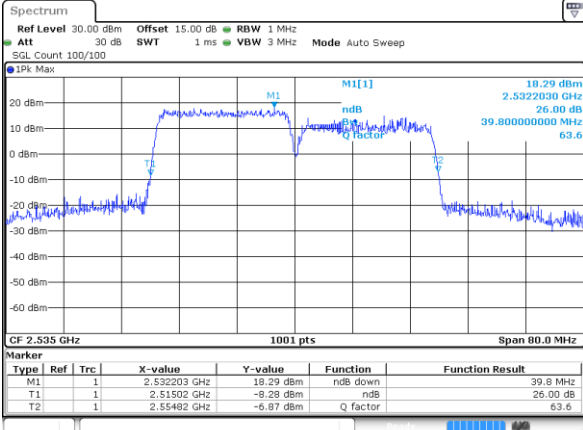


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A



Date: 7 APR 2024 15:12:28



Occupied Bandwidth

Mode	LTE Band 7C : 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	27.87	23.58	28.65	32.87
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.11	32.87	37.64	

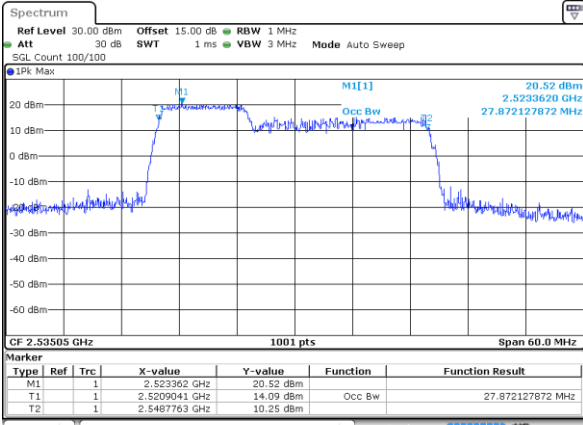
Mode	LTE Band 7C : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	27.87	23.48	28.53	32.80
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.05	32.94	37.56	



LTE Band 7C

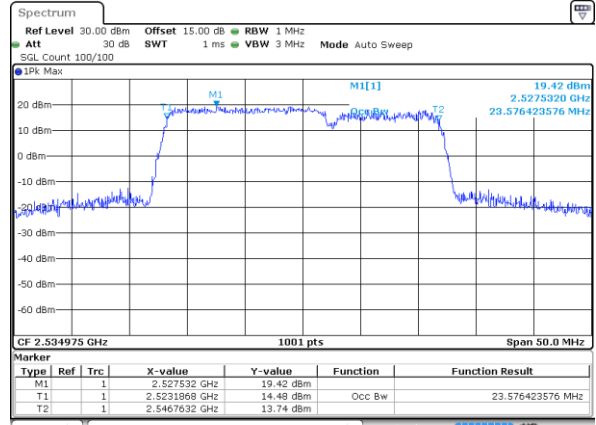
QPSK

Middle Channel / 10MHz+20MHz



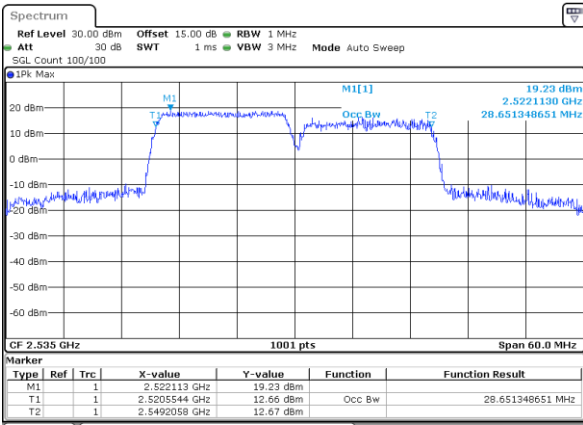
Date: 7 APR 2024 13:03:16

Middle Channel / 15MHz+10MHz



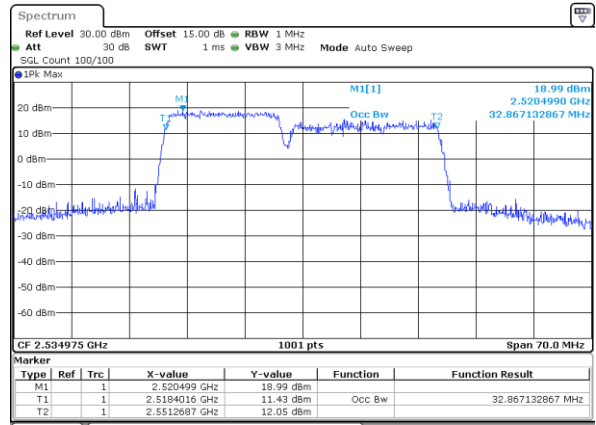
Date: 7 APR 2024 15:30:07

Middle Channel / 15MHz+15MHz



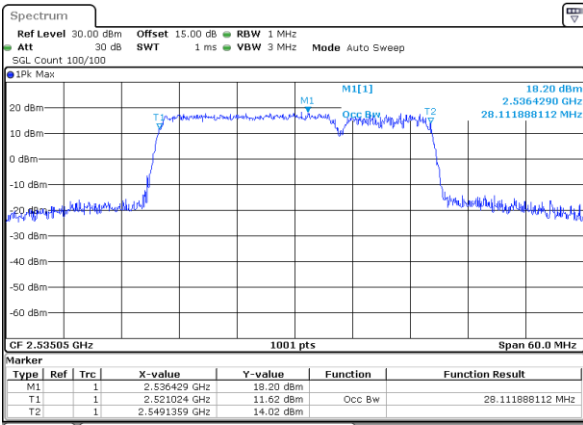
Date: 7 APR 2024 14:08:25

Middle Channel / 15MHz+20MHz



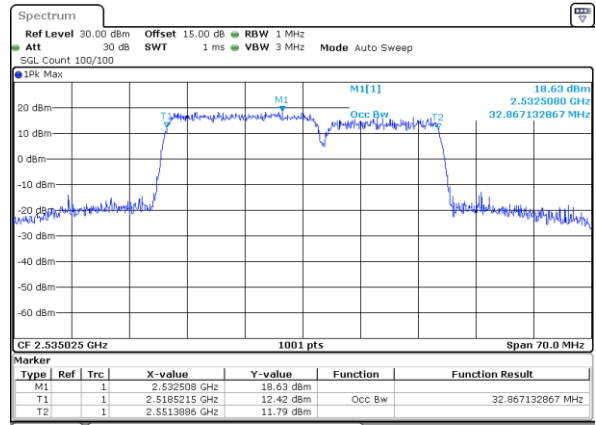
Date: 7 APR 2024 14:26:43

Middle Channel / 20MHz+10MHz



Date: 7 APR 2024 13:36:03

Middle Channel / 20MHz+15MHz



Date: 7 APR 2024 14:52:17

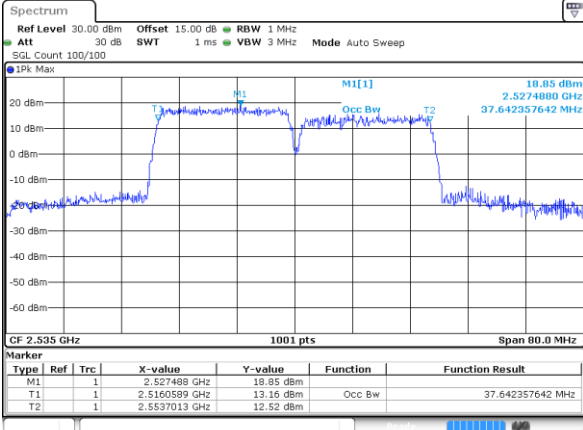


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A



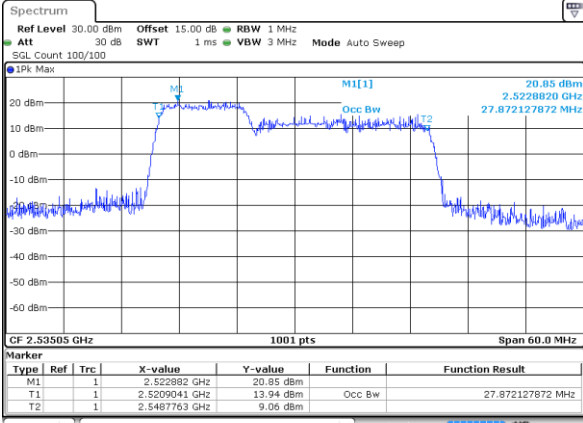
Date: 7 APR 2024 15:11:29



LTE Band 7C

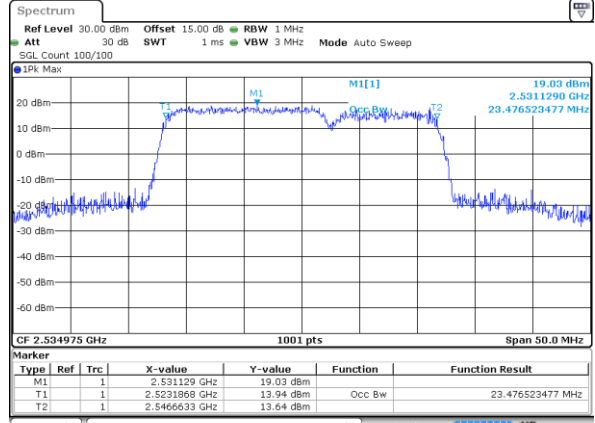
16QAM

Middle Channel / 10MHz+20MHz



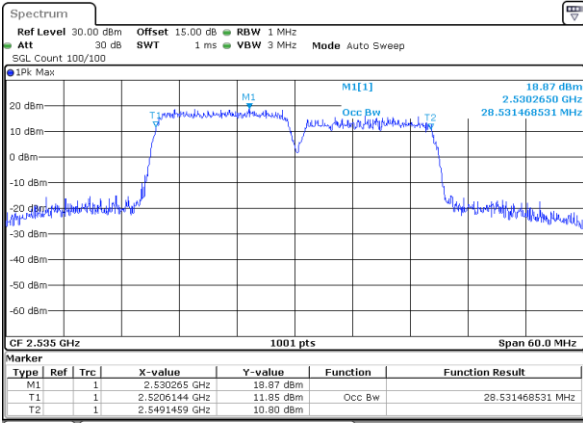
Date: 7 APR 2024 13:04:50

Middle Channel / 15MHz+10MHz



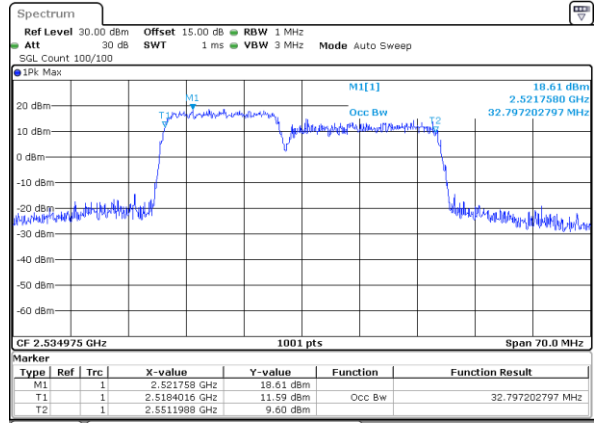
Date: 7 APR 2024 15:31:41

Middle Channel / 15MHz+15MHz



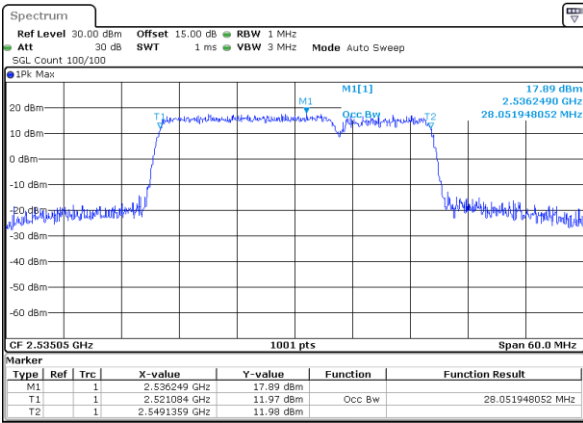
Date: 7 APR 2024 14:09:53

Middle Channel / 15MHz+20MHz



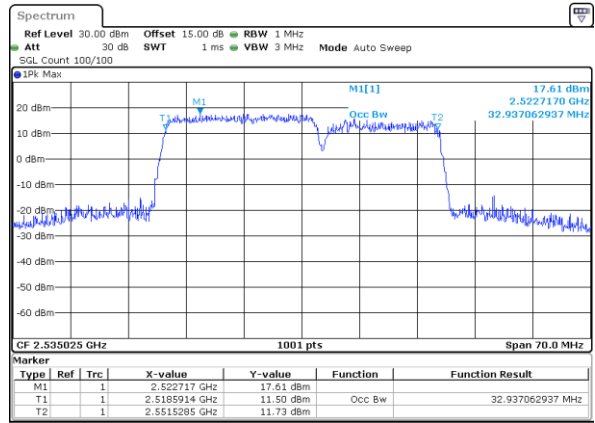
Date: 7 APR 2024 14:28:17

Middle Channel / 20MHz+10MHz



Date: 7 APR 2024 13:37:37

Middle Channel / 20MHz+15MHz



Date: 7 APR 2024 14:53:51

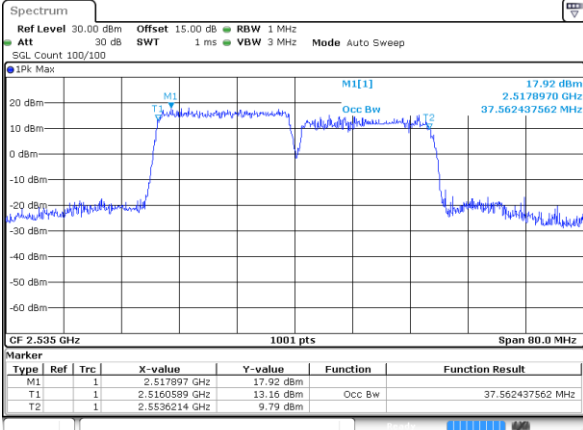


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A



Date: 7 APR 2024 15:12:57

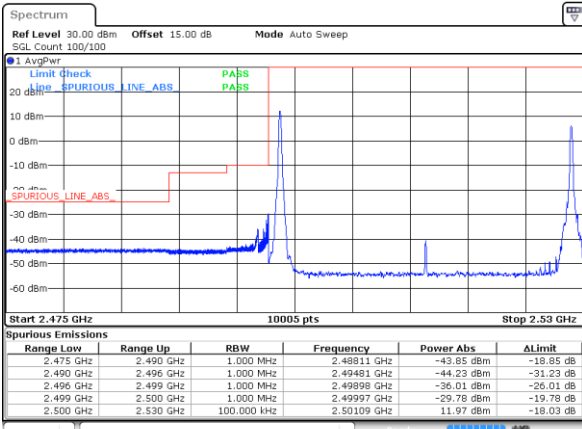


Conducted Band Edge

LTE Band 7C / 10MHz+20MHz

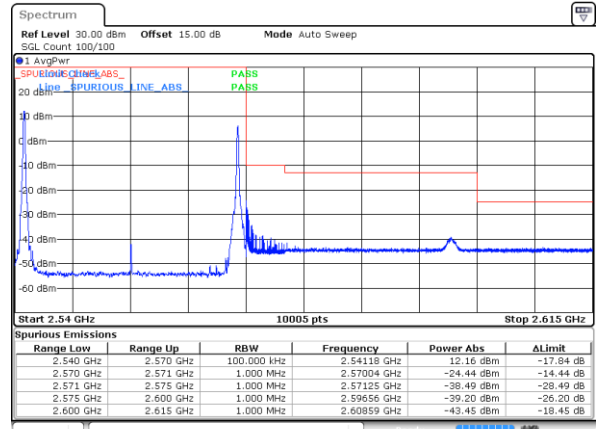
QPSK

Lowest Band Edge / 1RB0 and 1RB9



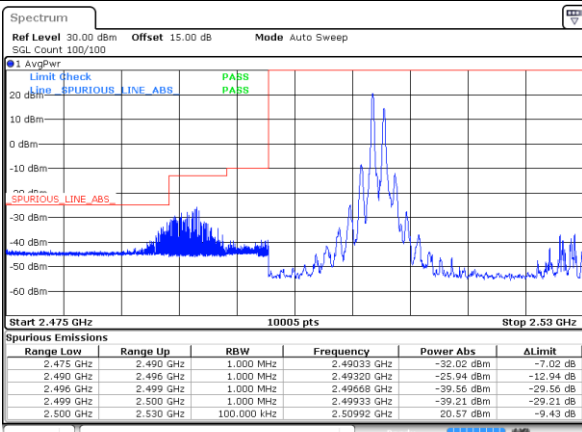
Date: 7 APR 2024 13:16:28

Highest Band Edge / 1RB0 and 1RB9



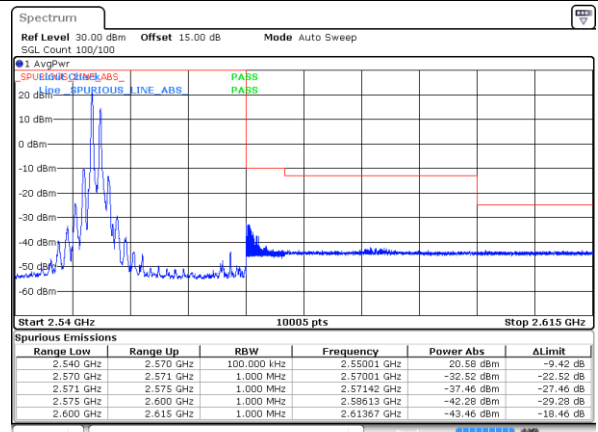
Date: 7 APR 2024 13:26:46

Lowest Band Edge / 1RB49 and 1RB0



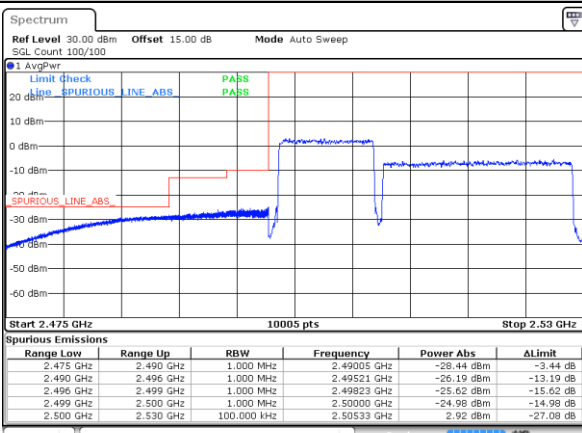
Date: 7 APR 2024 13:09:10

Highest Band Edge / 1RB49 and 1RB0



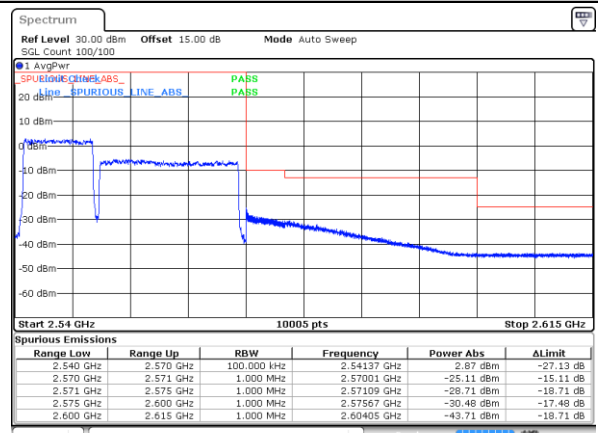
Date: 7 APR 2024 13:34:01

Lowest Band Edge / Full RB



Date: 7 APR 2024 13:17:56

Highest Band Edge / Full RB



Date: 7 APR 2024 13:25:18