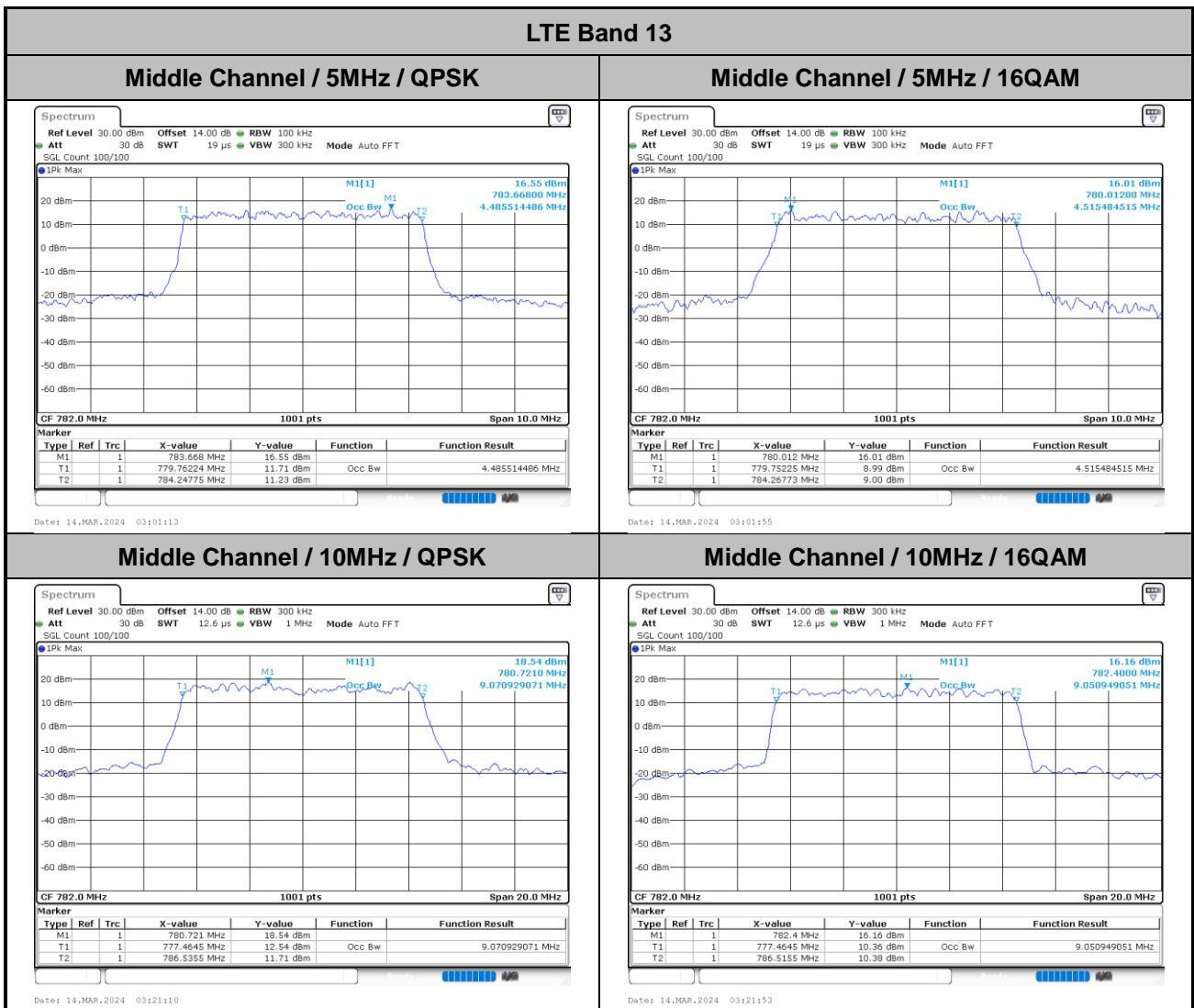




Occupied Bandwidth

Mode	LTE Band 13 : 99%OBW(MHz)			
BW	5MHz		10MHz	
Mod.	QPSK	16QAM	QPSK	16QAM
Middle CH	4.49	4.52	9.07	9.05



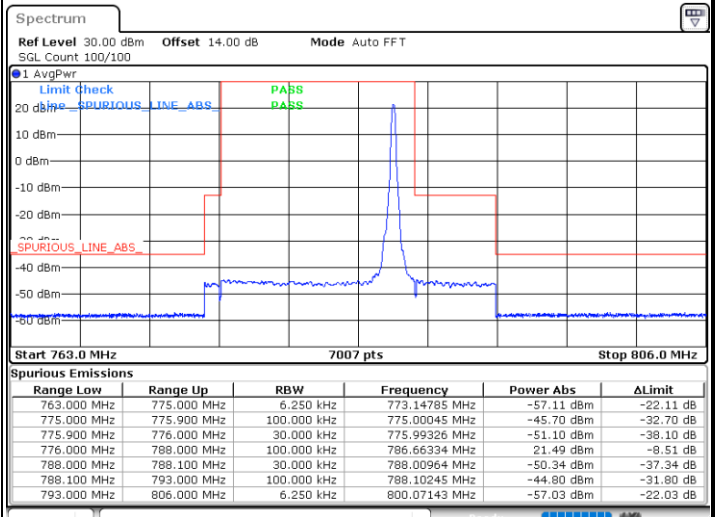
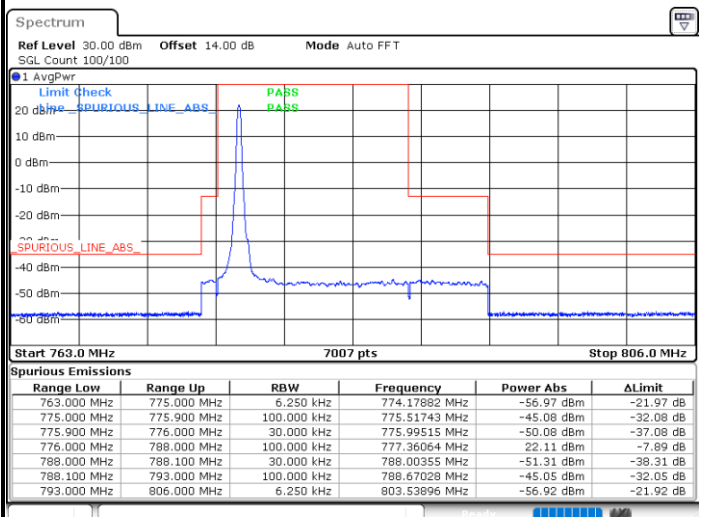


Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

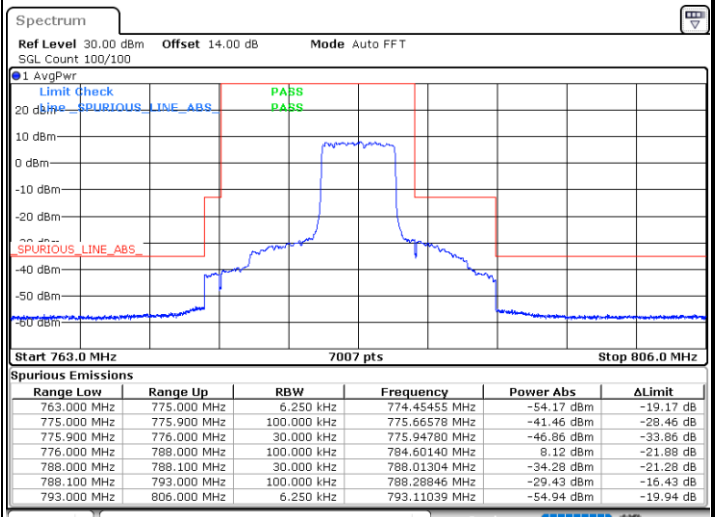
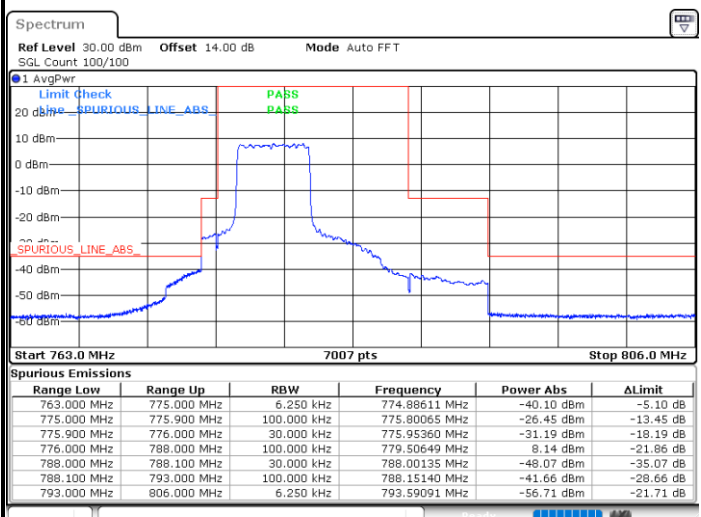


Date: 14.MAR.2024 02:52:51

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

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.MAR.2024 02:56:08

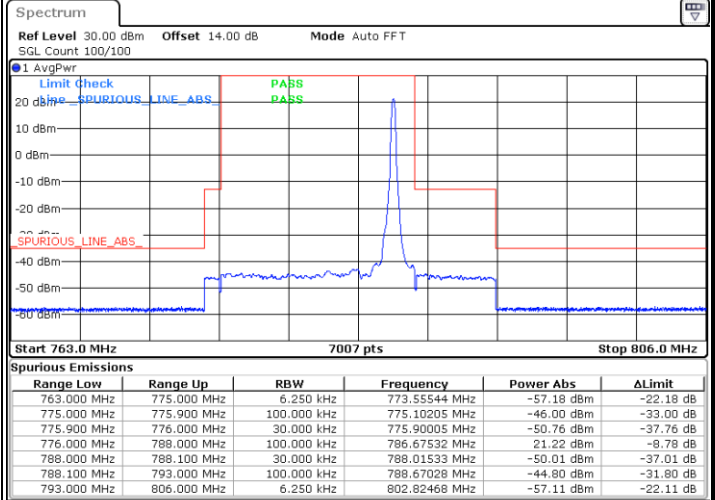
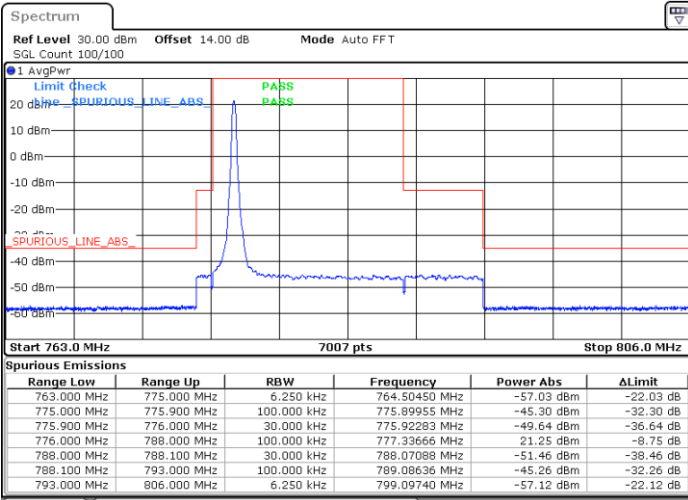
Date: 14.MAR.2024 03:06:25



LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

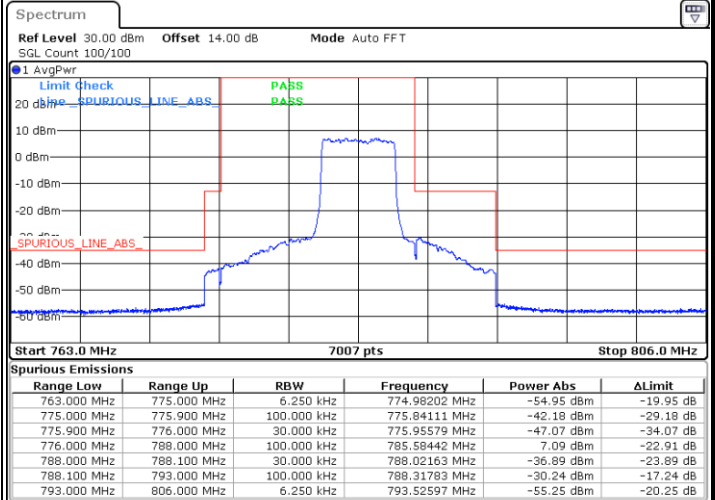
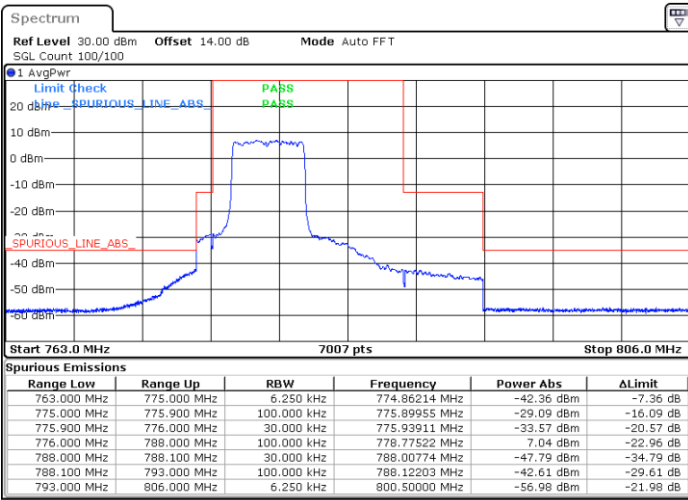


Date: 14.MAR.2024 02:53:56

Date: 14.MAR.2024 03:04:17

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



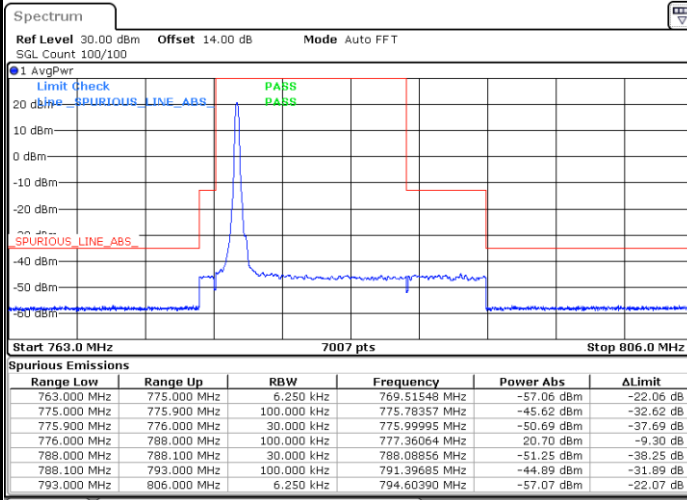
Date: 14.MAR.2024 02:57:12

Date: 14.MAR.2024 03:07:30



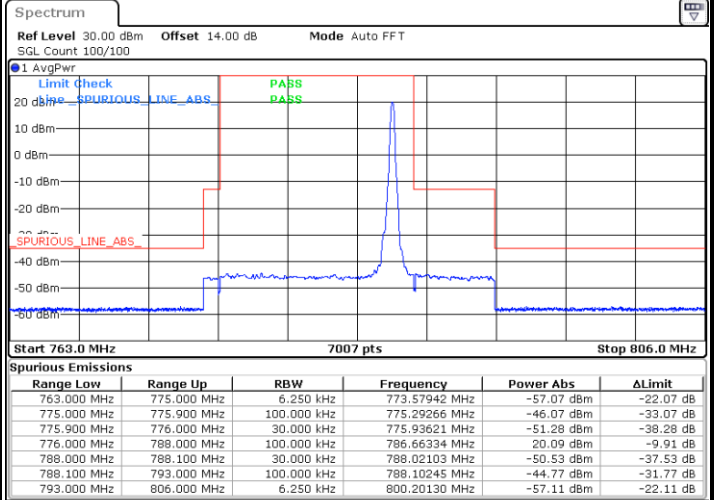
LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



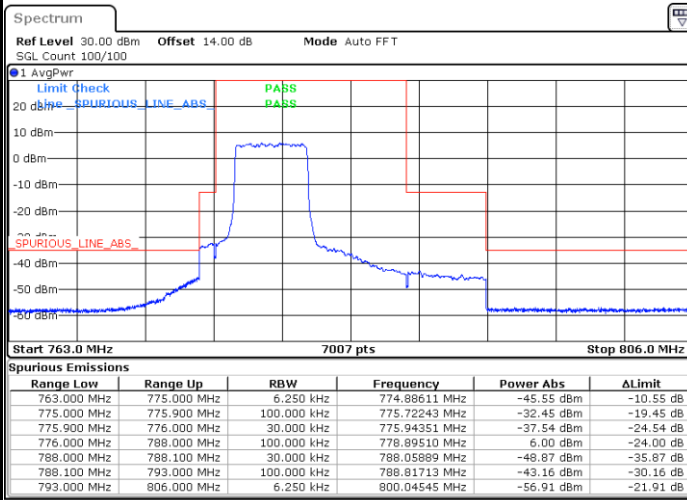
Date: 14.MAR.2024 02:55:00

Highest Band Edge / 1 RB



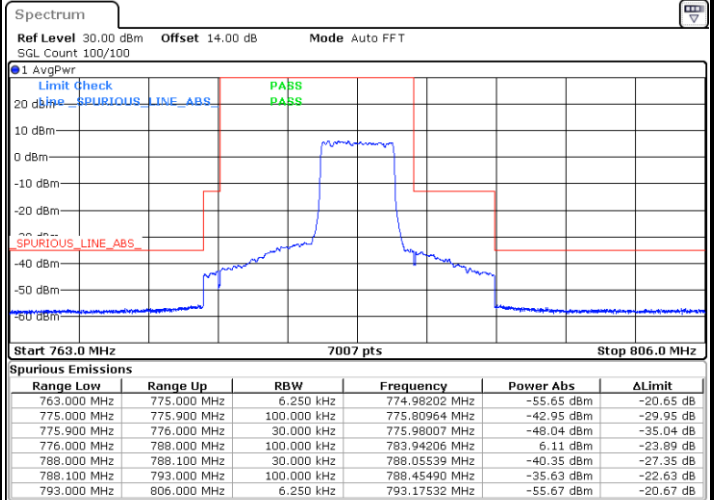
Date: 14.MAR.2024 03:05:21

Lowest Band Edge / Full RB



Date: 14.MAR.2024 02:58:16

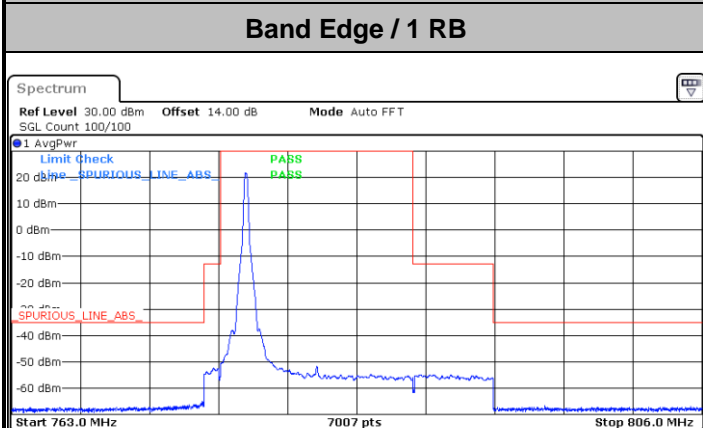
Highest Band Edge / Full RB



Date: 14.MAR.2024 03:08:34



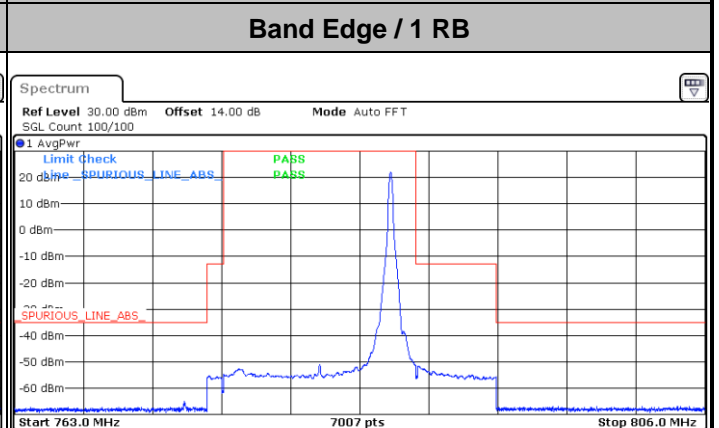
LTE Band 13 / 10MHz / QPSK
Band Edge / 1 RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.85015 MHz	-65.02 dBm	-30.02 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.57677 MHz	-52.55 dBm	-39.55 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96826 MHz	-55.55 dBm	-42.55 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.57642 MHz	-21.93 dBm	-9.17 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05300 MHz	-60.56 dBm	-47.56 dB
788.100 MHz	793.000 MHz	100.000 kHz	789.05699 MHz	-55.01 dBm	-42.01 dB
793.000 MHz	806.000 MHz	6.250 kHz	796.21429 MHz	-66.67 dBm	-31.67 dB

Date: 14.MAR.2024 03:10:57

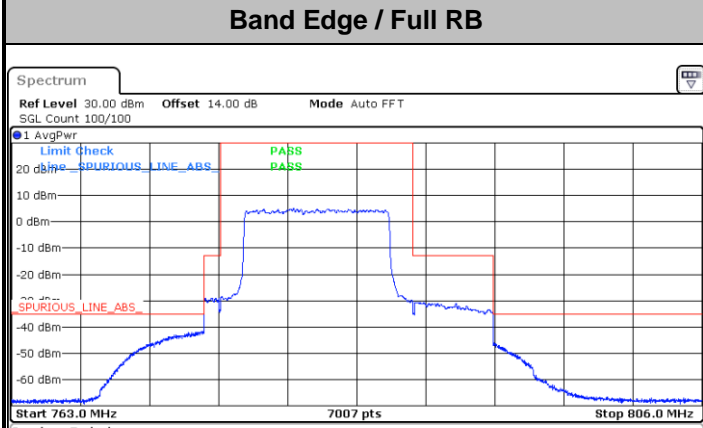
LTE Band 13 / 10MHz / QPSK
Band Edge / 1 RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.55544 MHz	-65.01 dBm	-30.01 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.12902 MHz	-55.50 dBm	-42.50 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94890 MHz	-61.09 dBm	-46.09 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.41159 MHz	-21.93 dBm	-9.07 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.06868 MHz	-55.48 dBm	-42.48 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.13182 MHz	-51.77 dBm	-36.77 dB
793.000 MHz	806.000 MHz	6.250 kHz	805.01948 MHz	-66.99 dBm	-31.99 dB

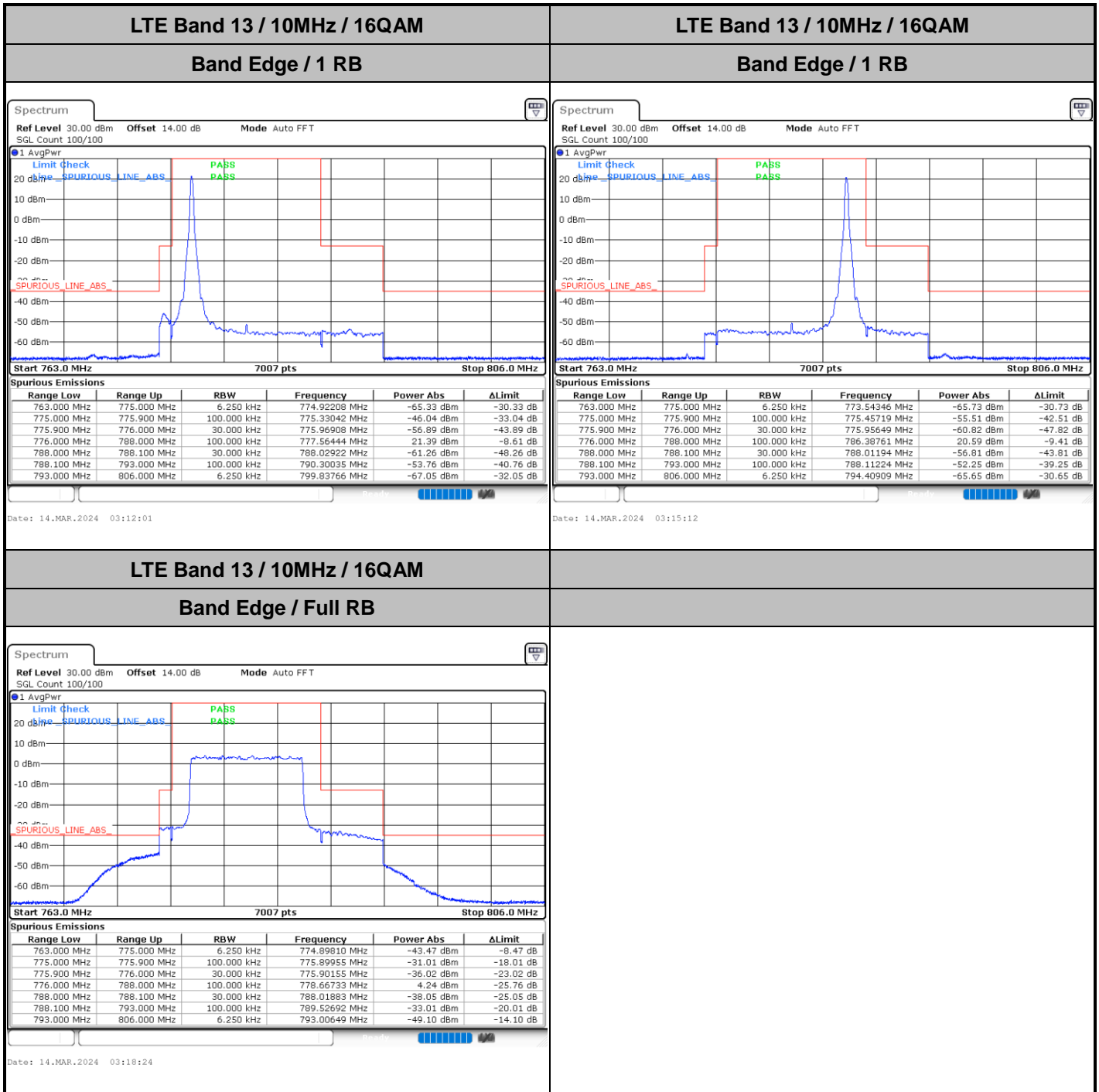
Date: 14.MAR.2024 03:14:09

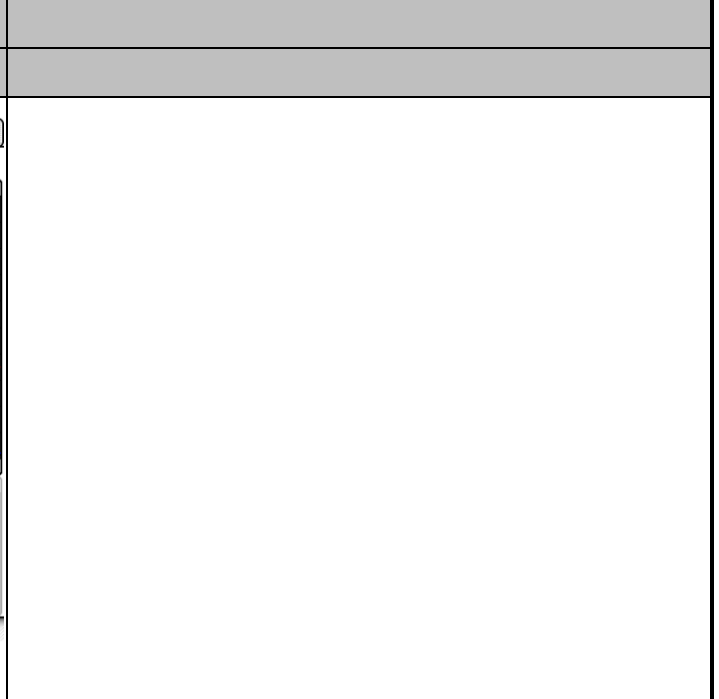
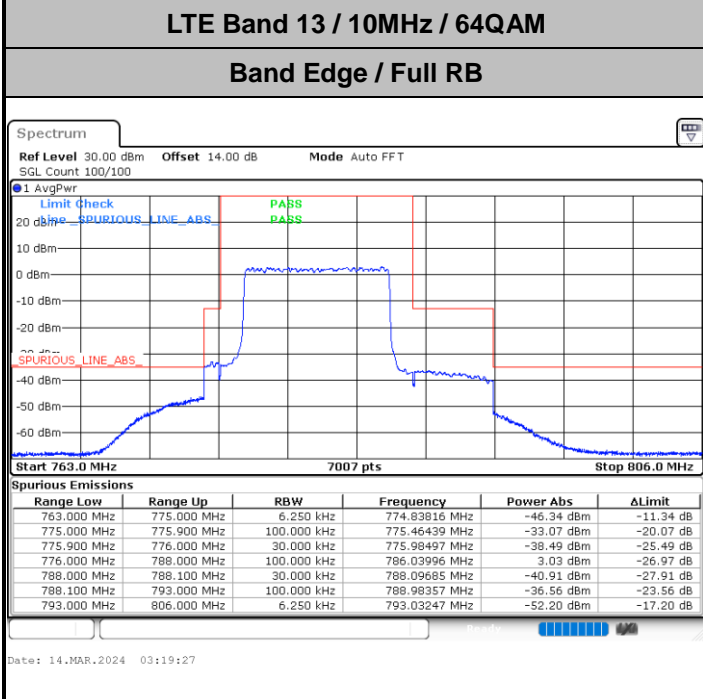
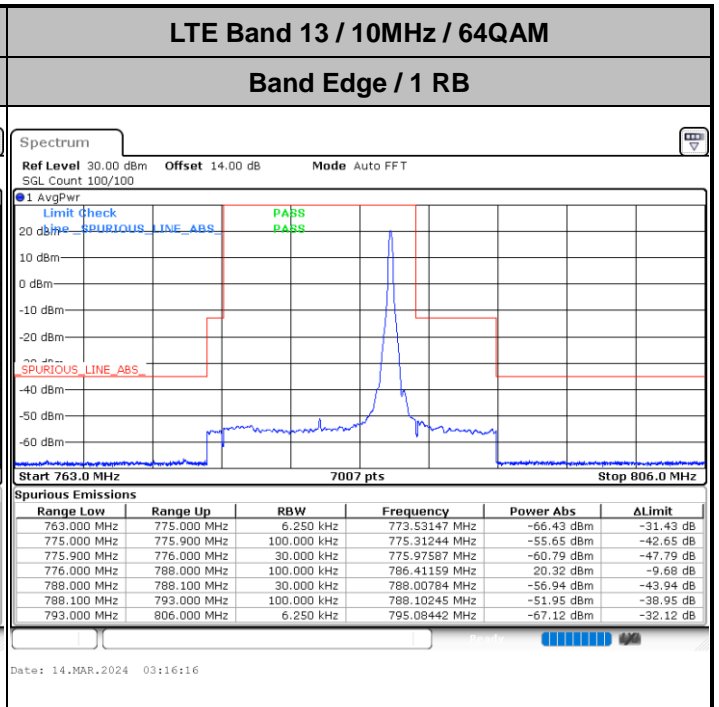
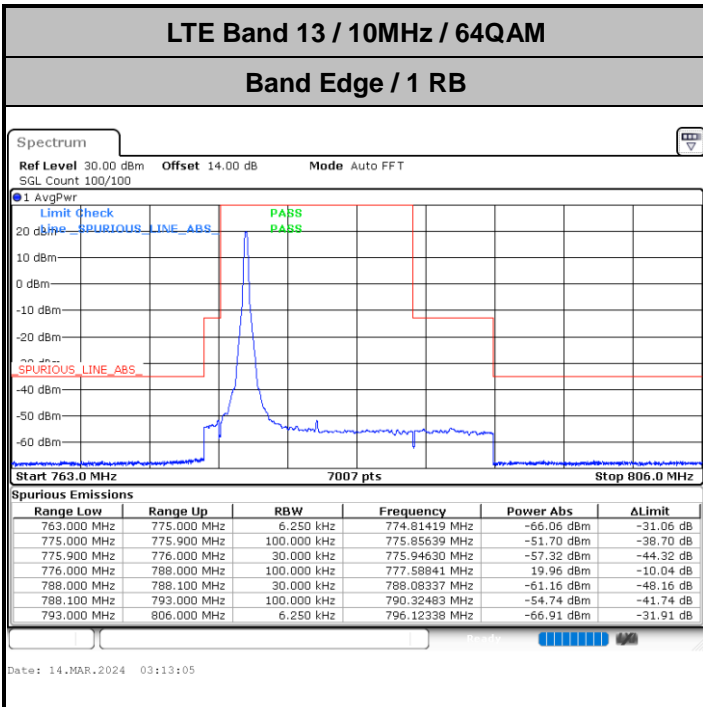
LTE Band 13 / 10MHz / QPSK
Band Edge / Full RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.99910 MHz	-41.63 dBm	-6.63 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.45450 MHz	-29.03 dBm	-16.03 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93482 MHz	-33.39 dBm	-20.39 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.56144 MHz	-4.97 dBm	-25.03 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07108 MHz	-34.77 dBm	-21.77 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.28357 MHz	-30.75 dBm	-17.75 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.04545 MHz	-46.23 dBm	-11.23 dB

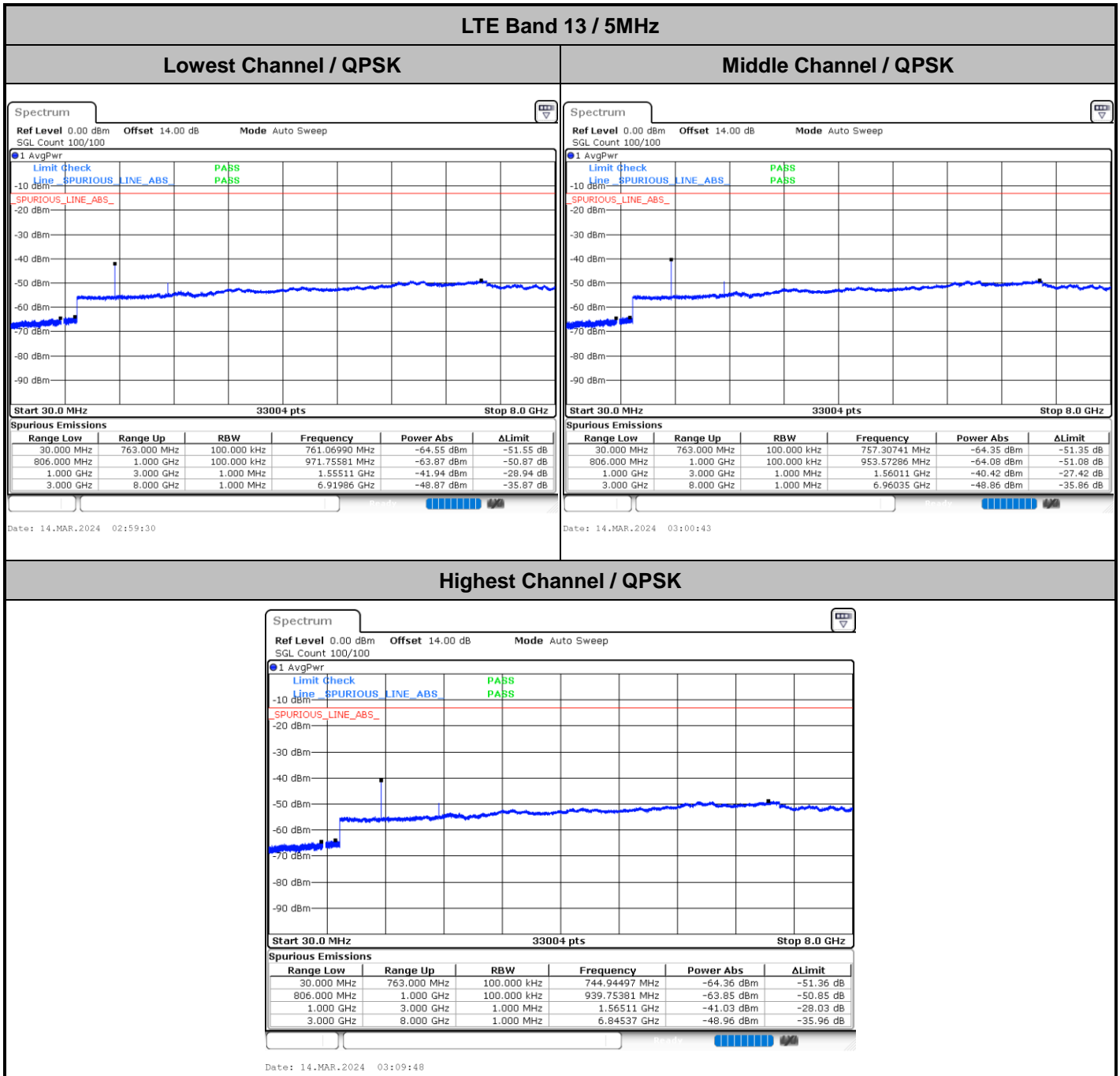
Date: 14.MAR.2024 03:17:20







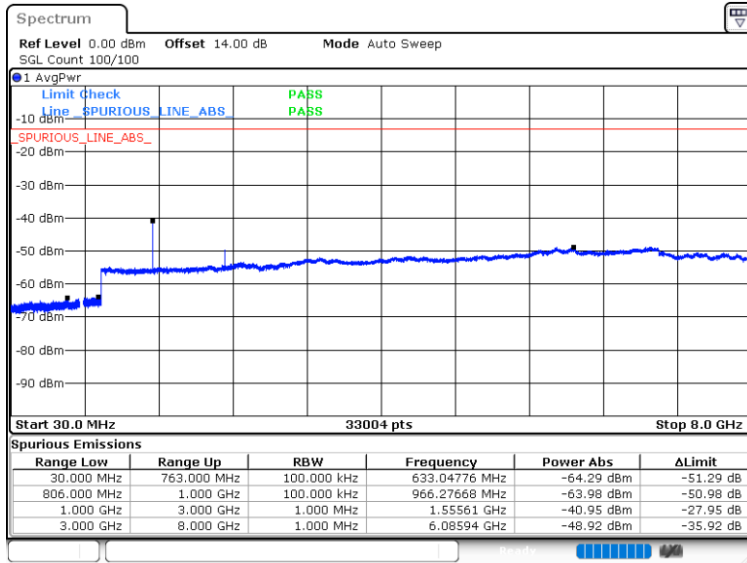
Conducted Spurious Emission





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 14.MAR.2024 03:20:41



Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0000	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0015	

Note:

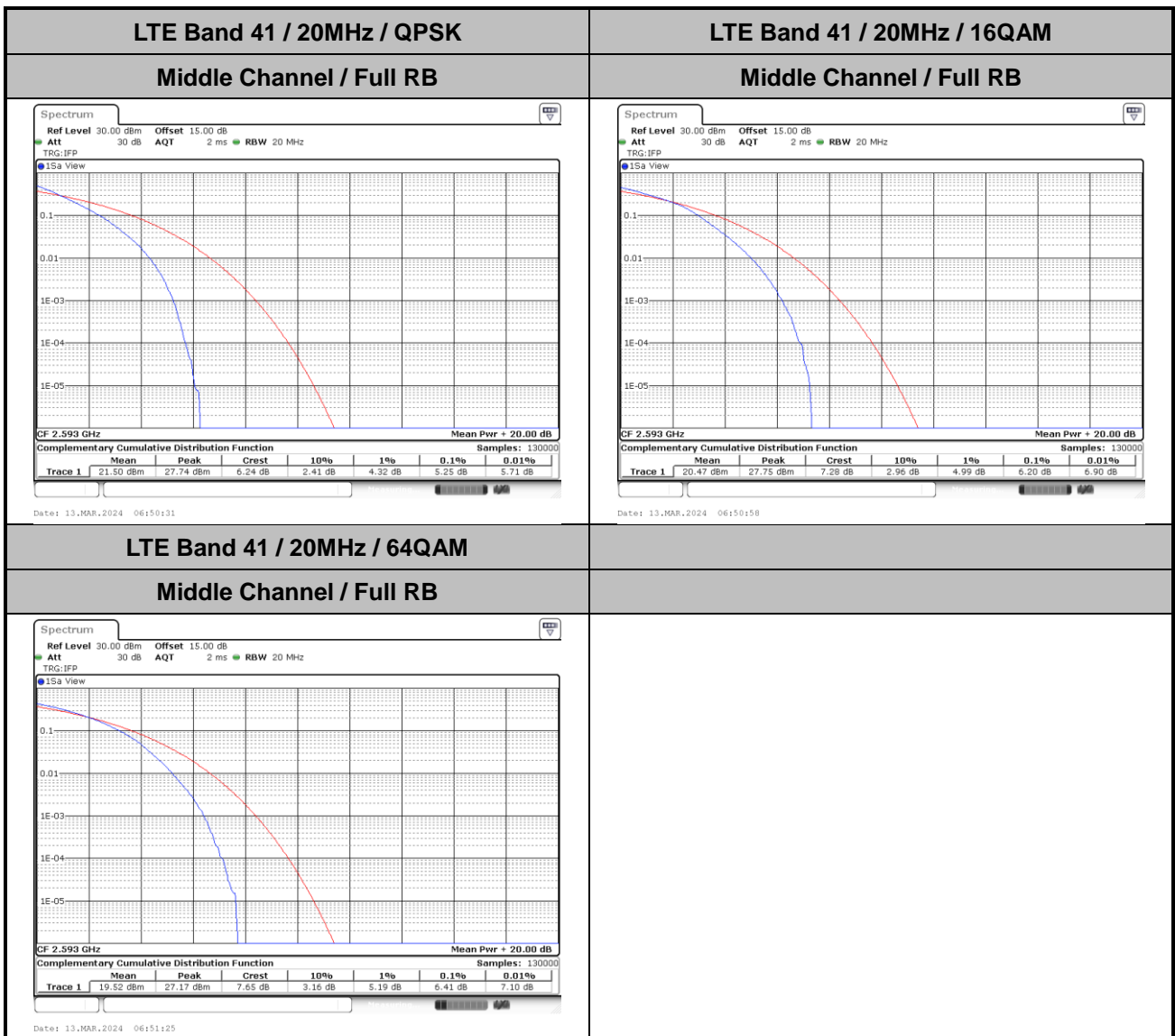
1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.7 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

Peak-to-Average Ratio

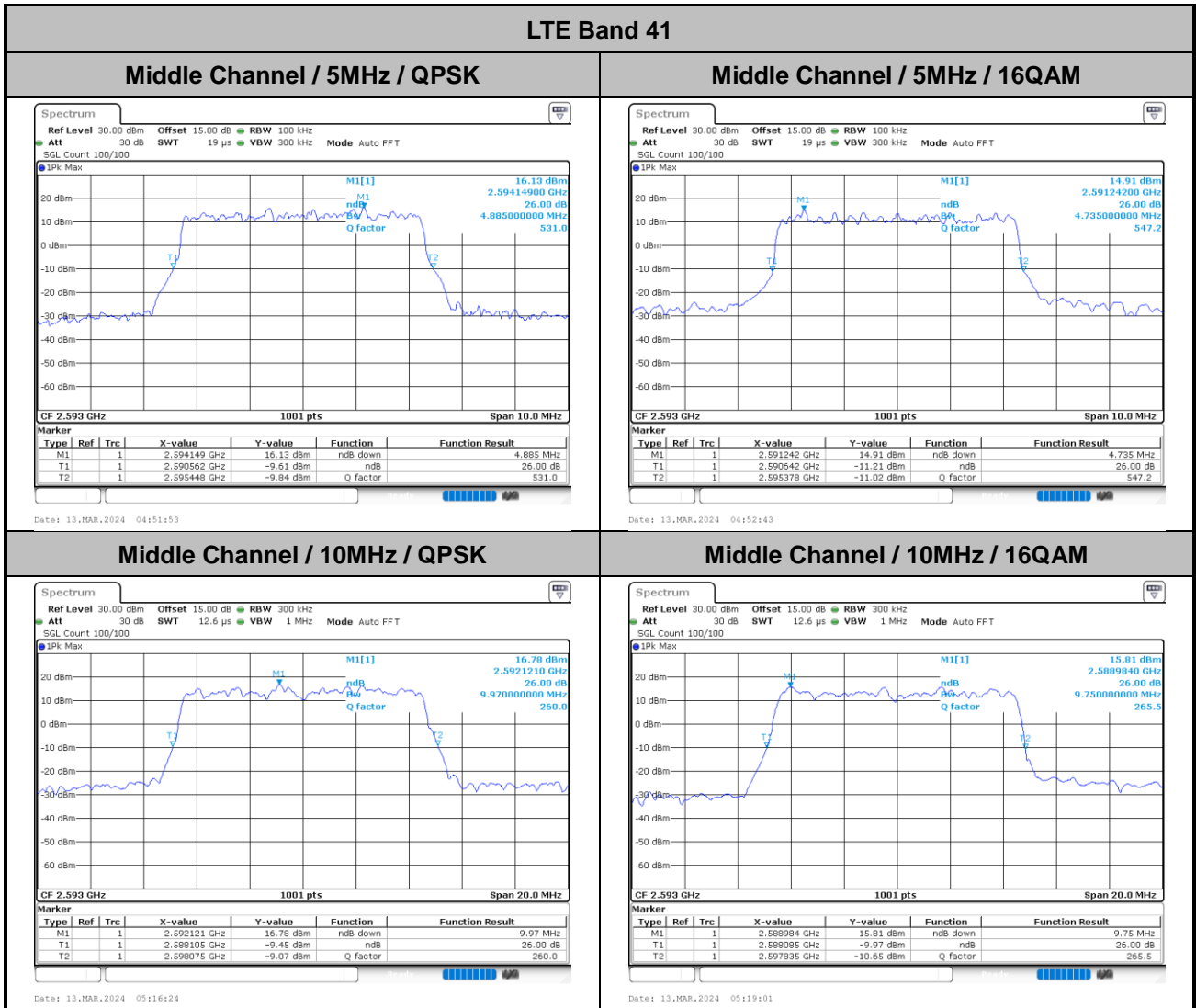
Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.25	6.20	6.41	PASS





26dB Bandwidth

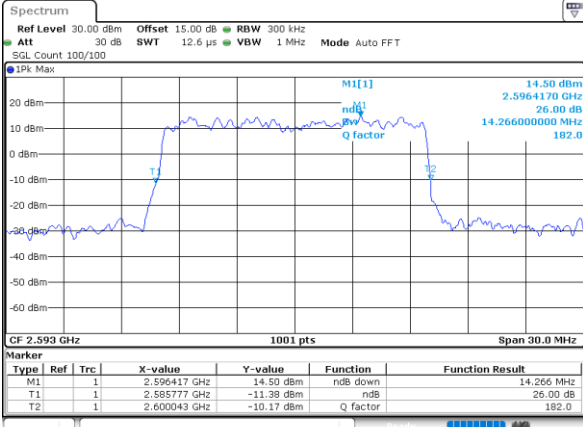
Mode	LTE Band 41 : 26dB BW(MHz)									
BW			5MHz		10MHz		15MHz		20MHz	
Mod.			QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH			4.89	4.74	9.97	9.75	14.27	14.12	19.26	19.02





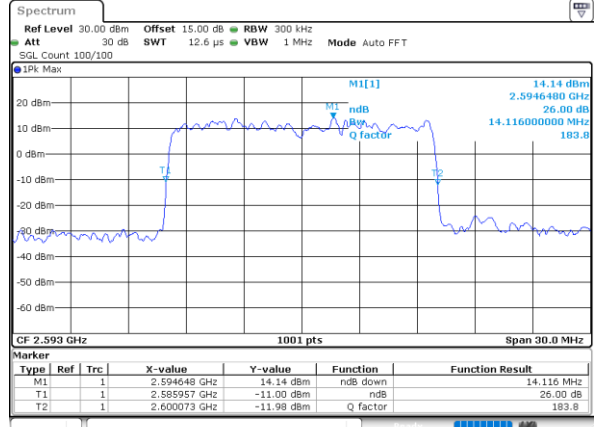
LTE Band 41

Middle Channel / 15MHz / QPSK



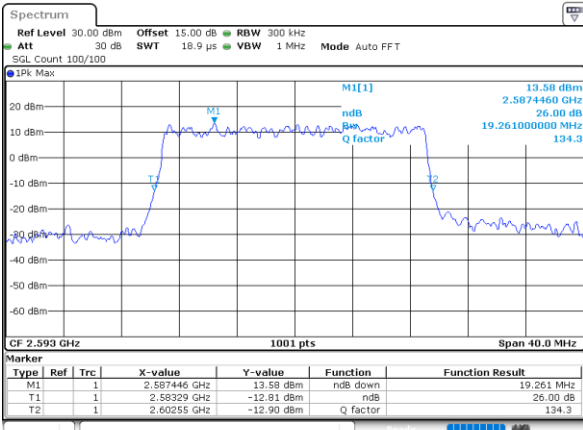
Date: 13.MAR.2024 06:30:48

Middle Channel / 15MHz / 16QAM



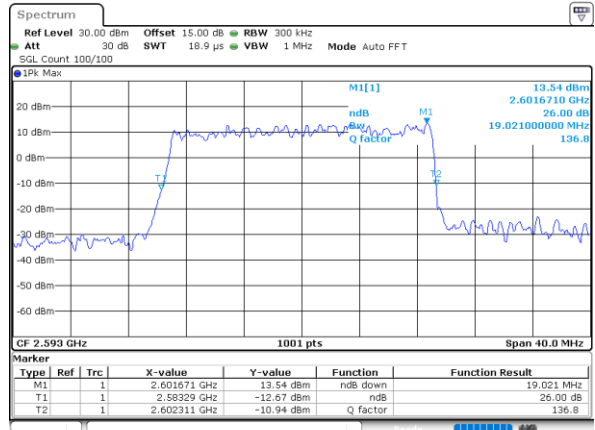
Date: 13.MAR.2024 06:31:27

Middle Channel / 20MHz / QPSK



Date: 13.MAR.2024 06:49:26

Middle Channel / 20MHz / 16QAM

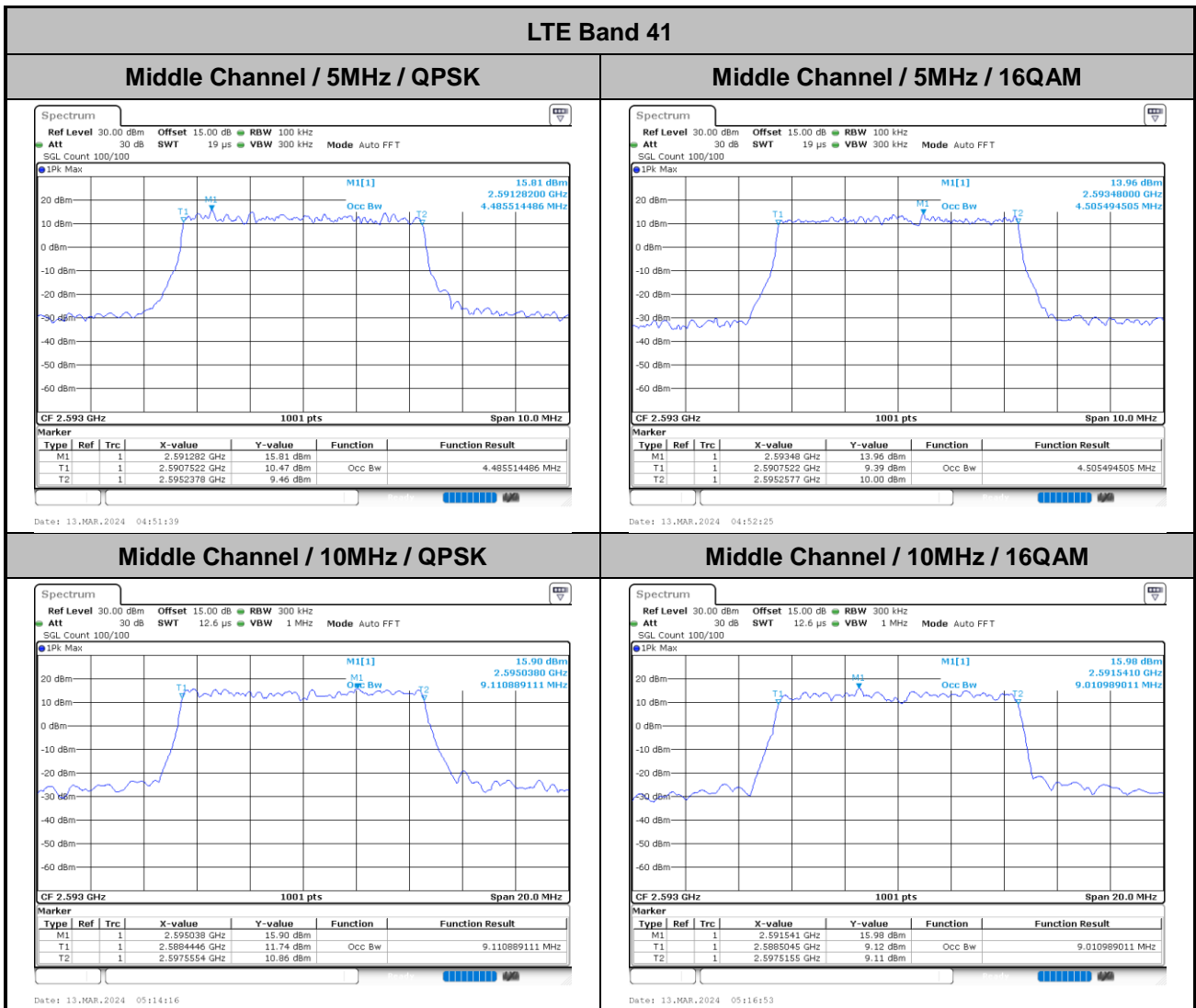


Date: 13.MAR.2024 06:50:05



Occupied Bandwidth

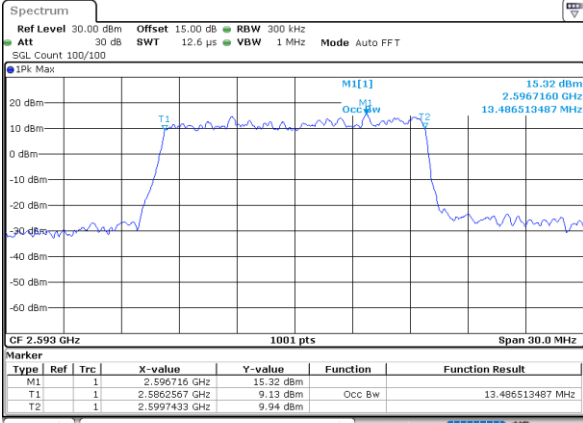
Mode	LTE Band 41 : 99%OBW(MHz)											
BW				5MHz		10MHz		15MHz		20MHz		
Mod.				QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	
Middle CH				4.49	4.51	9.11	9.01	13.49	13.52	17.90	17.94	





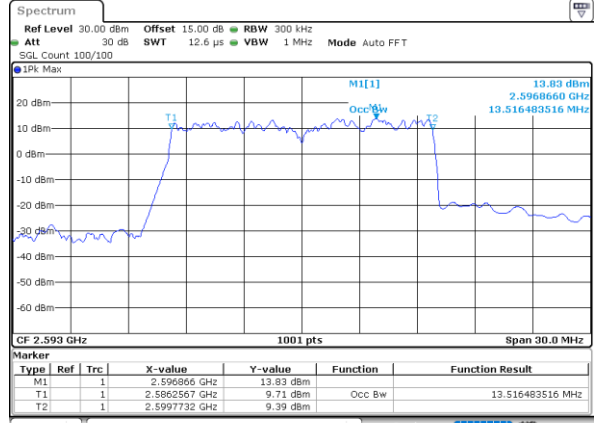
LTE Band 41

Middle Channel / 15MHz / QPSK



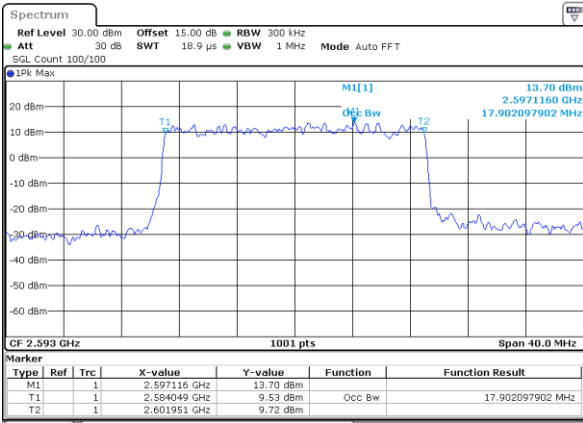
Date: 13.MAR.2024 06:30:34

Middle Channel / 15MHz / 16QAM



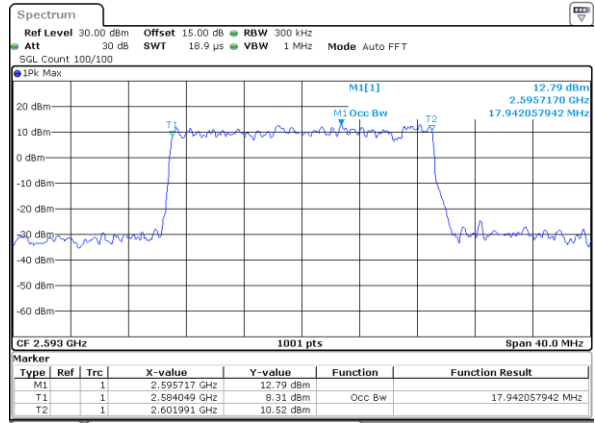
Date: 13.MAR.2024 06:31:13

Middle Channel / 20MHz / QPSK



Date: 13.MAR.2024 06:49:12

Middle Channel / 20MHz / 16QAM



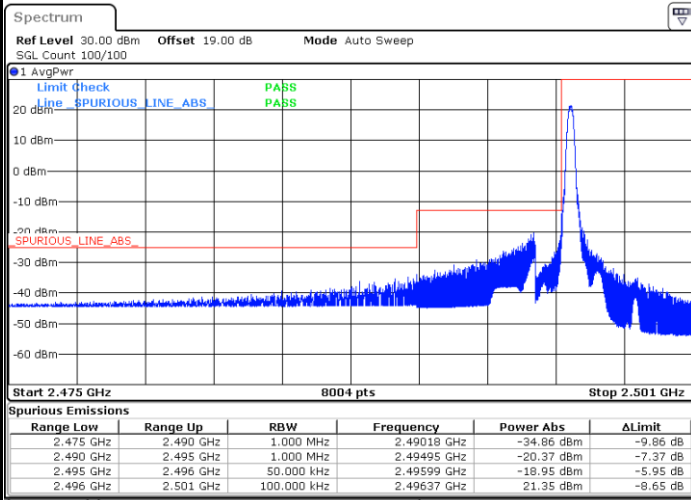
Date: 13.MAR.2024 06:49:51



Conducted Band Edge

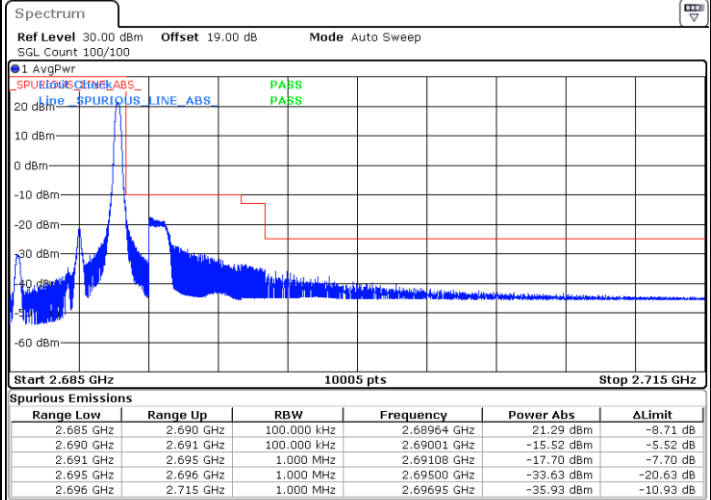
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



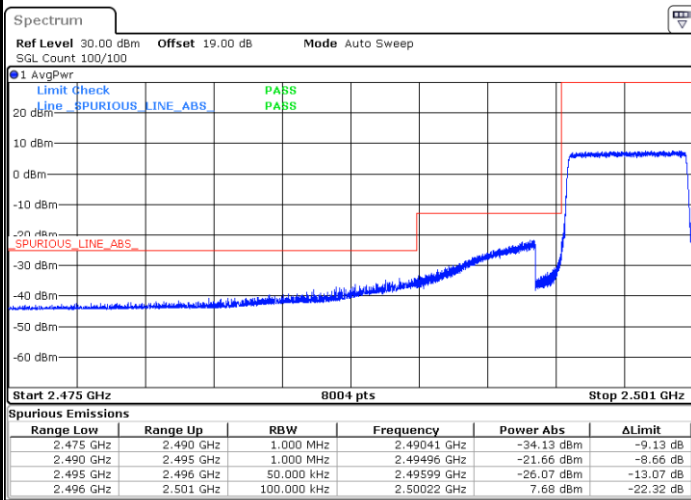
Date: 13.MAR.2024 04:42:43

Highest Band Edge / 1 RB



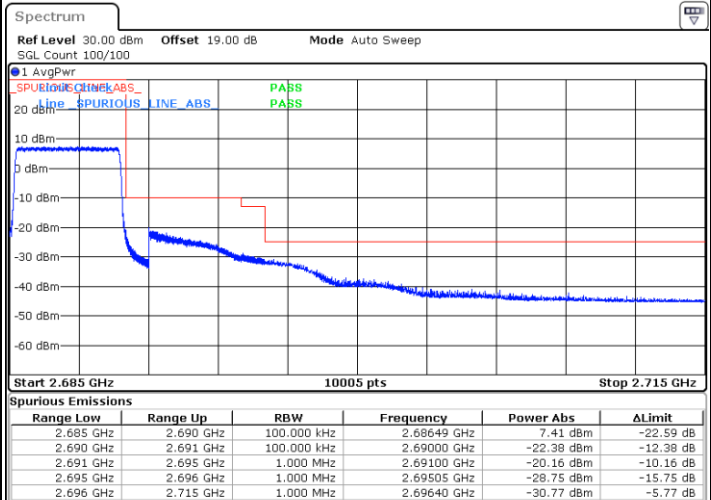
Date: 13.MAR.2024 04:53:56

Lowest Band Edge / Full RB



Date: 13.MAR.2024 04:48:38

Highest Band Edge / Full RB

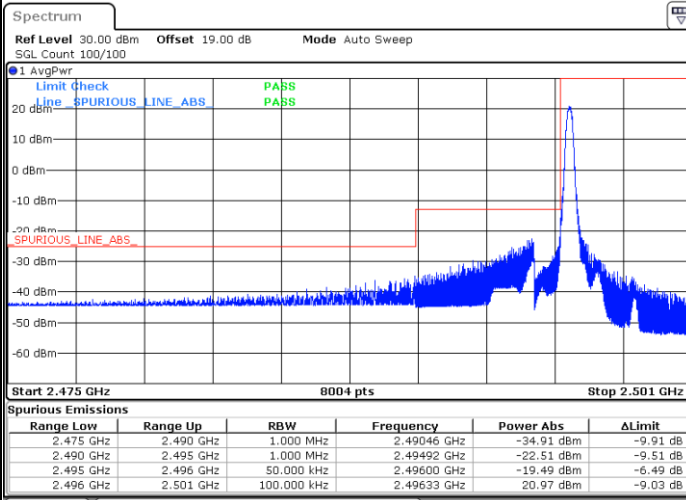


Date: 13.MAR.2024 04:59:55



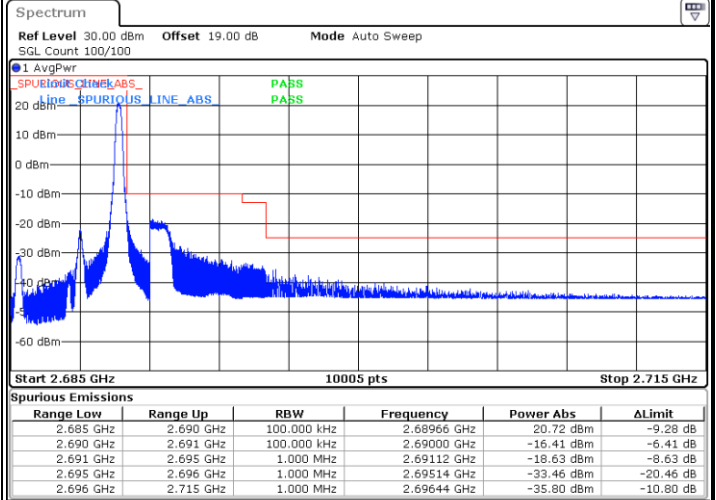
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



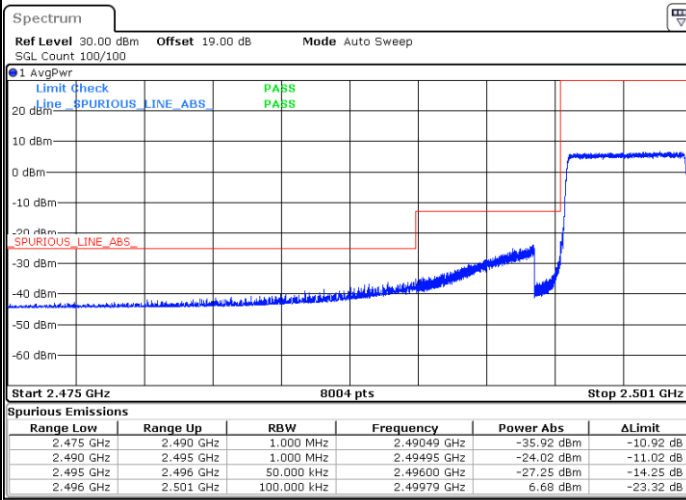
Date: 13.MAR.2024 04:43:54

Highest Band Edge / 1 RB



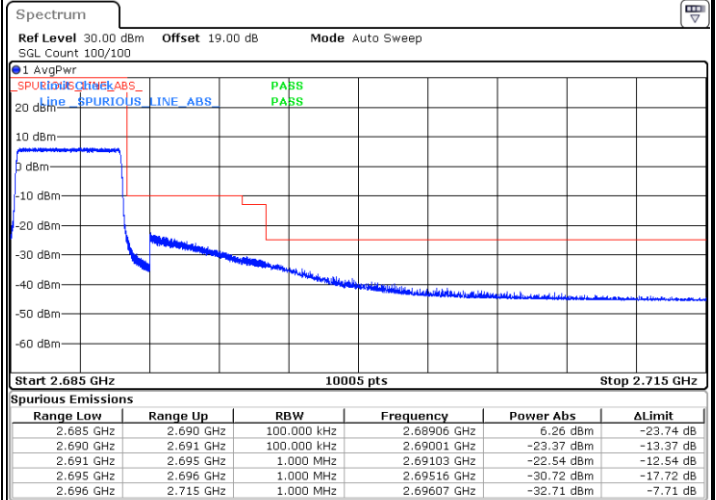
Date: 13.MAR.2024 04:55:07

Lowest Band Edge / Full RB



Date: 13.MAR.2024 04:47:27

Highest Band Edge / Full RB

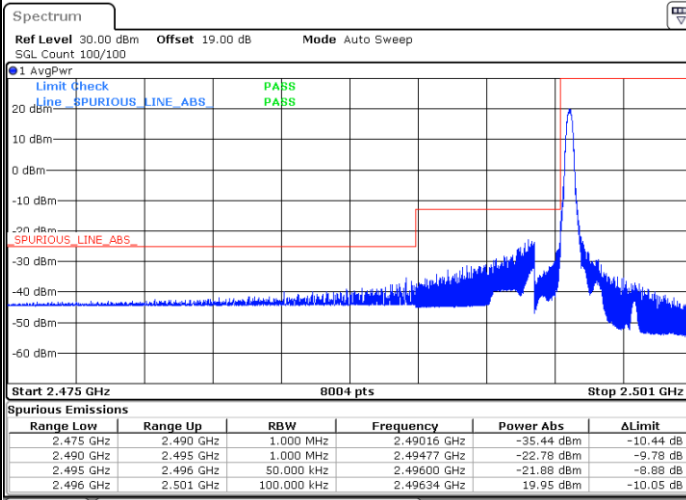


Date: 13.MAR.2024 04:58:47



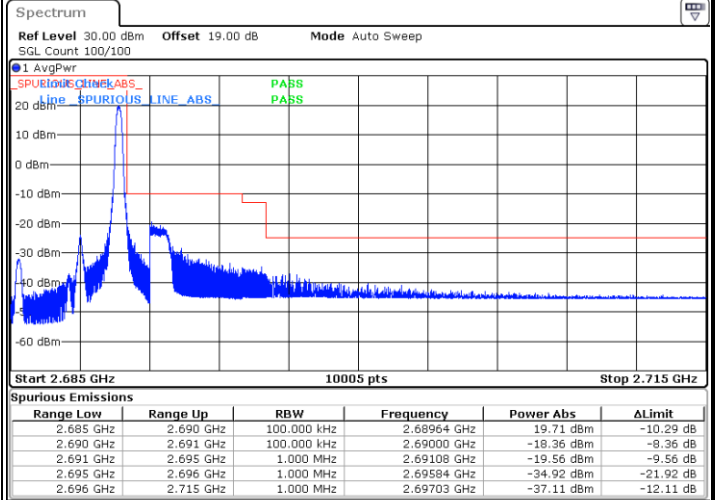
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



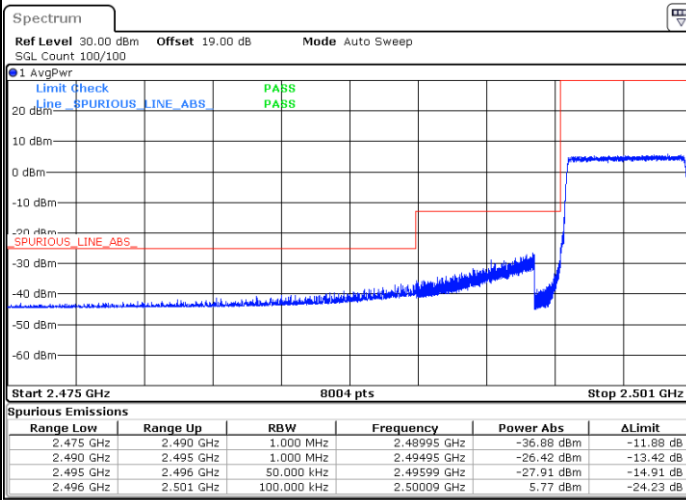
Date: 13.MAR.2024 04:45:05

Highest Band Edge / 1 RB



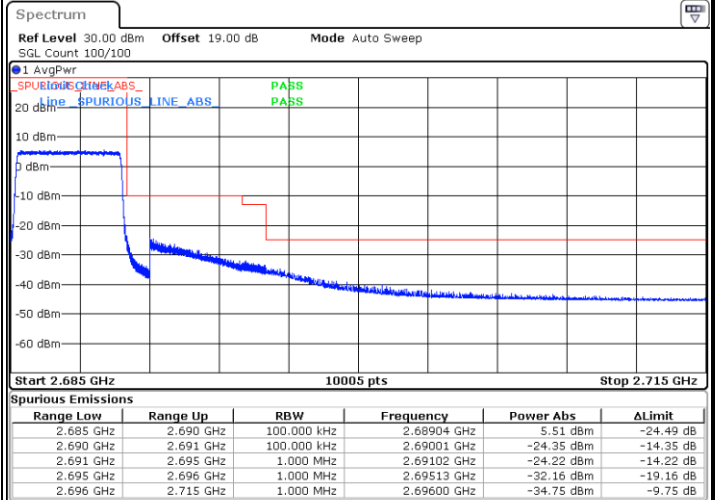
Date: 13.MAR.2024 04:56:19

Lowest Band Edge / Full RB



Date: 13.MAR.2024 04:46:17

Highest Band Edge / Full RB

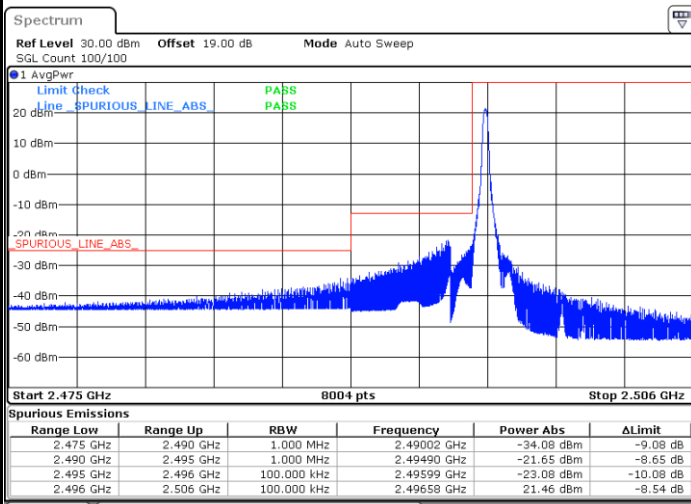


Date: 13.MAR.2024 04:57:33



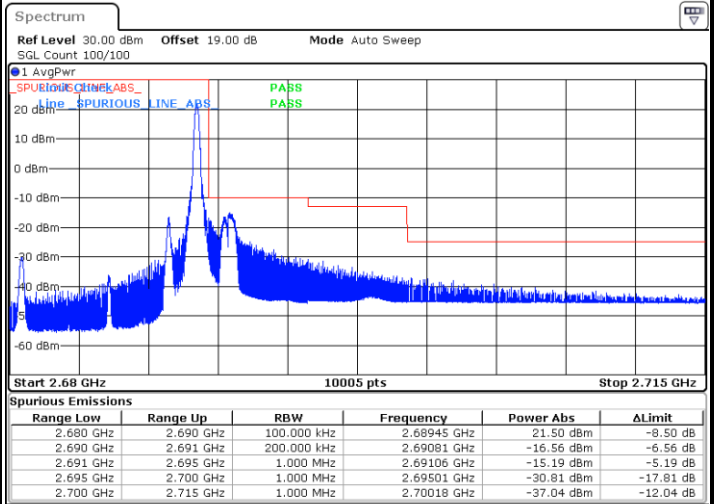
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



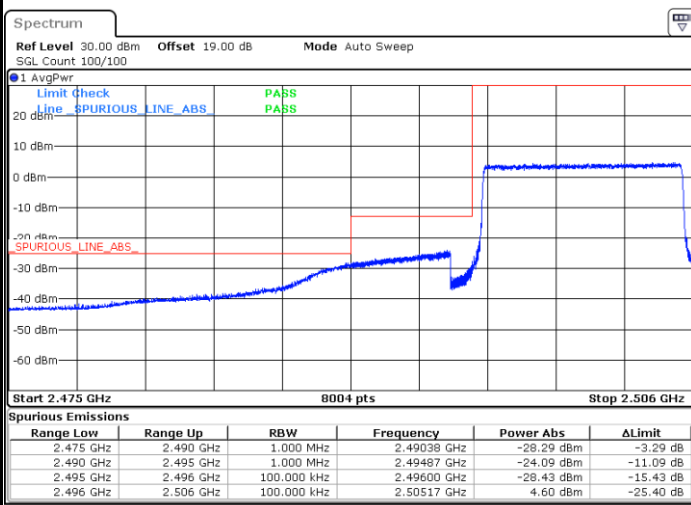
Date: 13.MAR.2024 05:02:27

Highest Band Edge / 1 RB



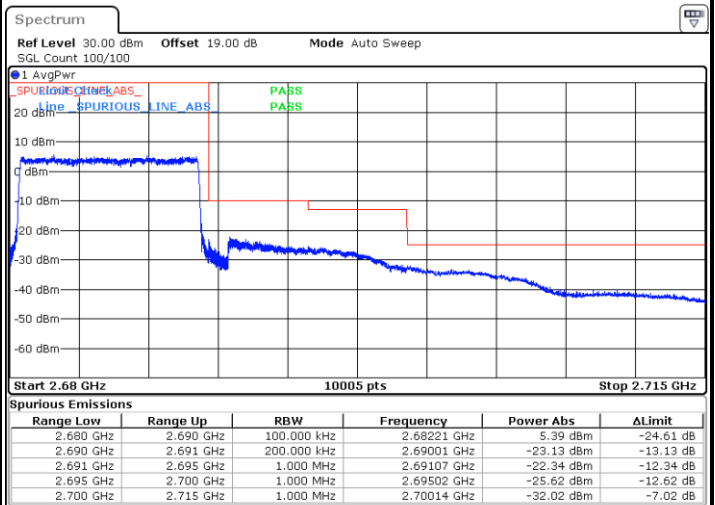
Date: 13.MAR.2024 05:20:14

Lowest Band Edge / Full RB



Date: 13.MAR.2024 05:08:26

Highest Band Edge / Full RB

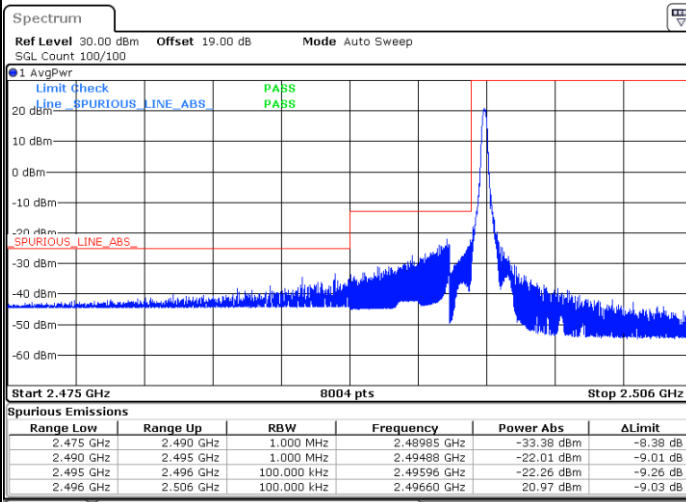


Date: 13.MAR.2024 05:26:12



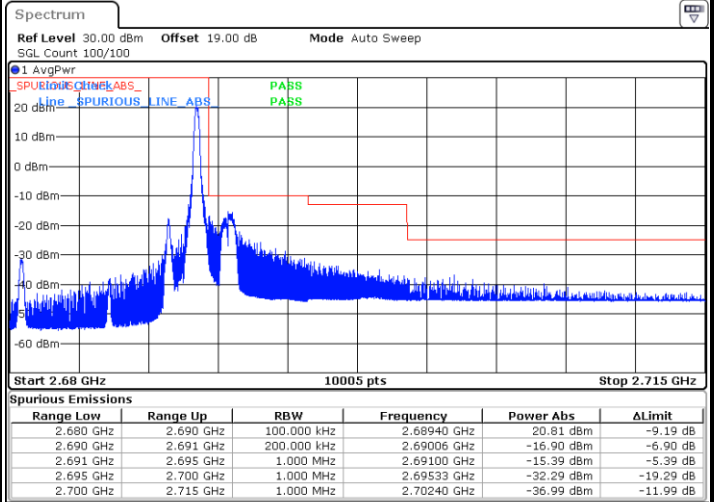
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1RB



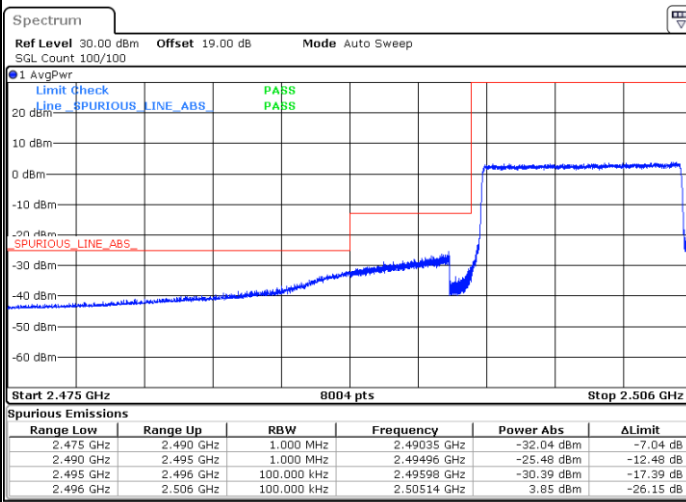
Date: 13.MAR.2024 05:03:36

Highest Band Edge / 1 RB



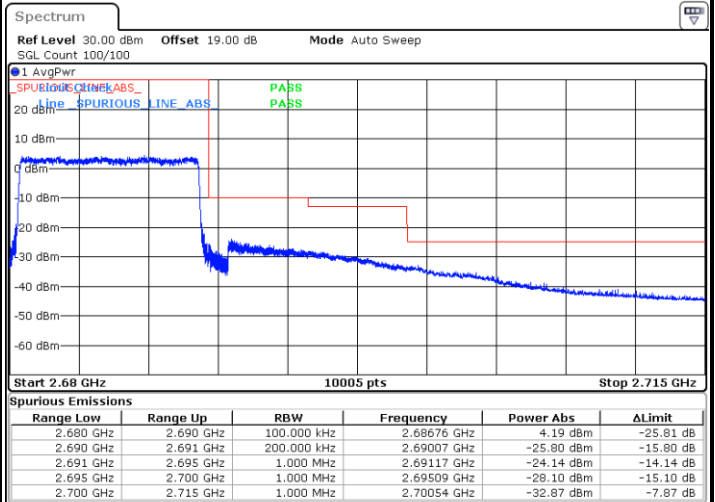
Date: 13.MAR.2024 05:21:23

Lowest Band Edge / Full RB



Date: 13.MAR.2024 05:07:13

Highest Band Edge / Full RB

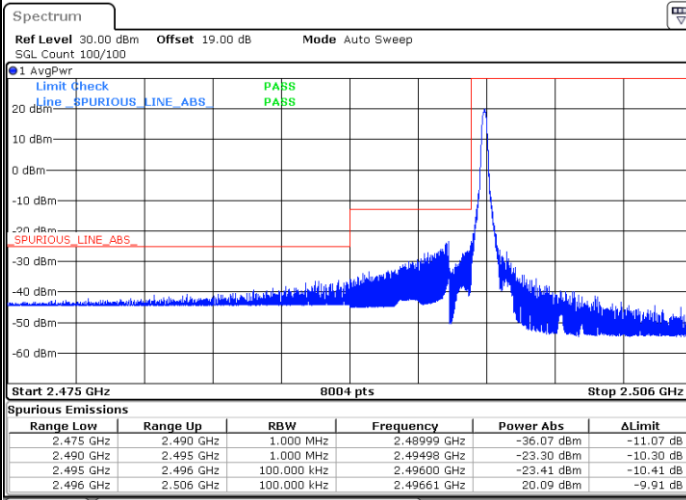


Date: 13.MAR.2024 05:24:58



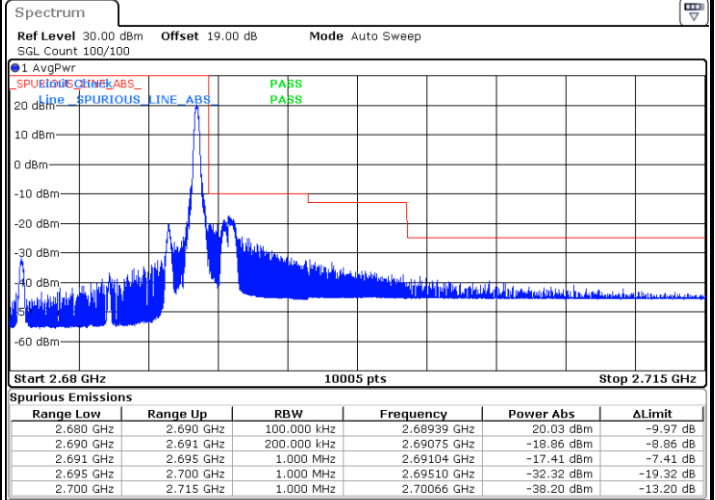
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1RB



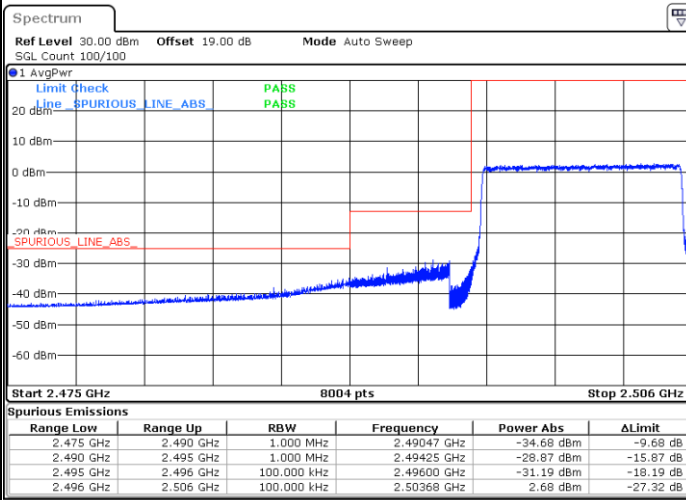
Date: 13.MAR.2024 05:04:50

Highest Band Edge / 1 RB



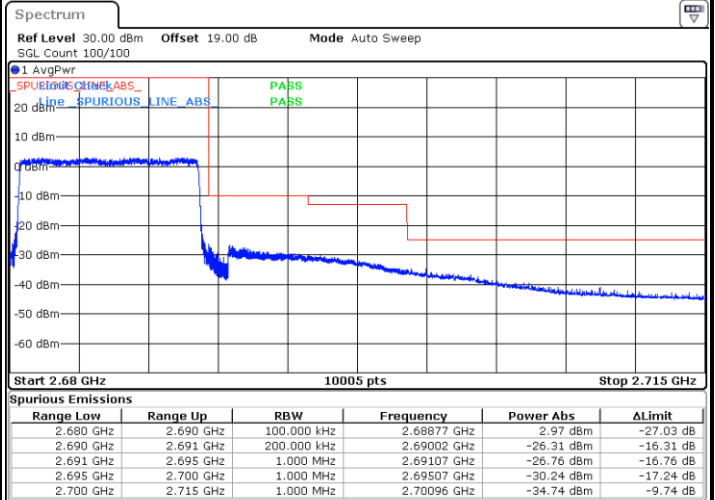
Date: 13.MAR.2024 05:22:36

Lowest Band Edge / Full RB



Date: 13.MAR.2024 05:06:04

Highest Band Edge / Full RB

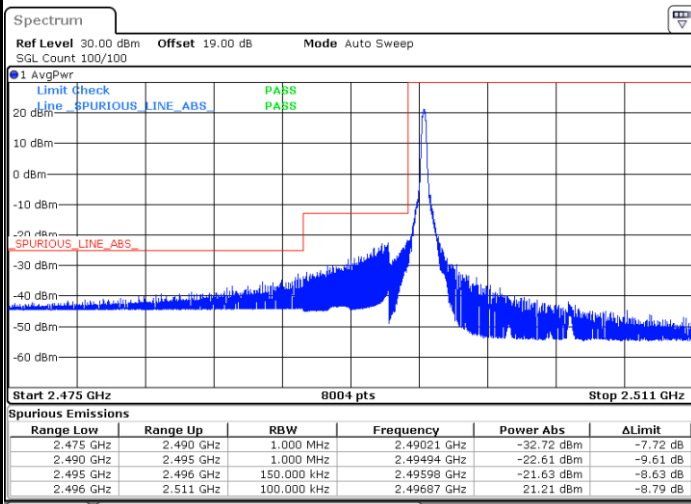


Date: 13.MAR.2024 05:23:49



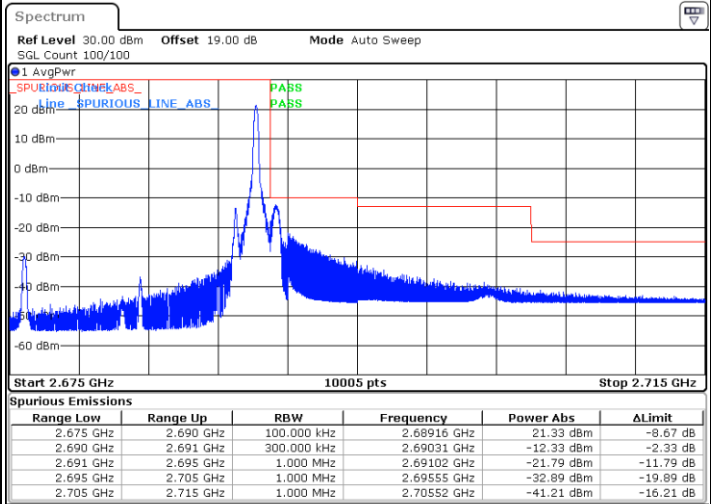
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



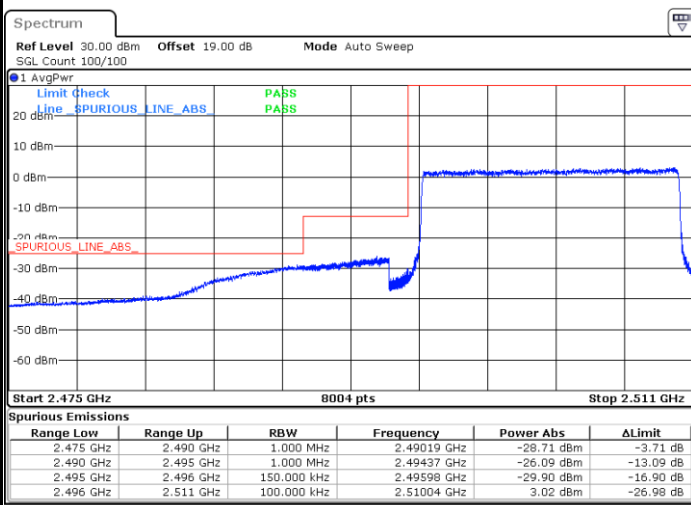
Date: 13.MAR.2024 05:28:43

Highest Band Edge / 1 RB



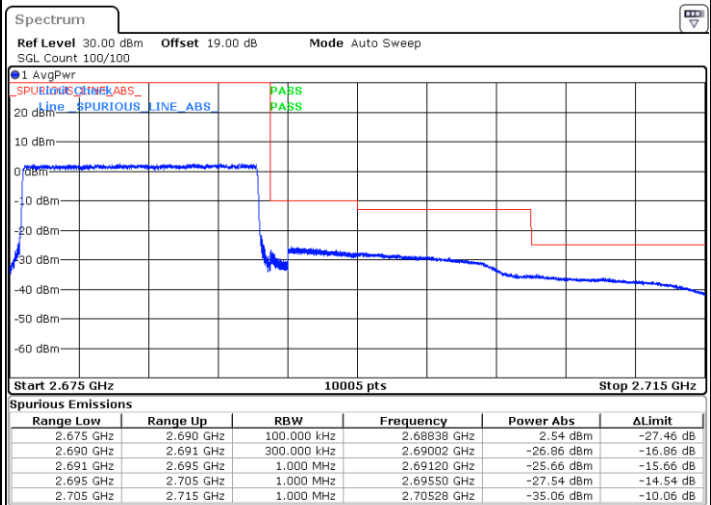
Date: 13.MAR.2024 06:32:31

Lowest Band Edge / Full RB



Date: 13.MAR.2024 05:34:45

Highest Band Edge / Full RB

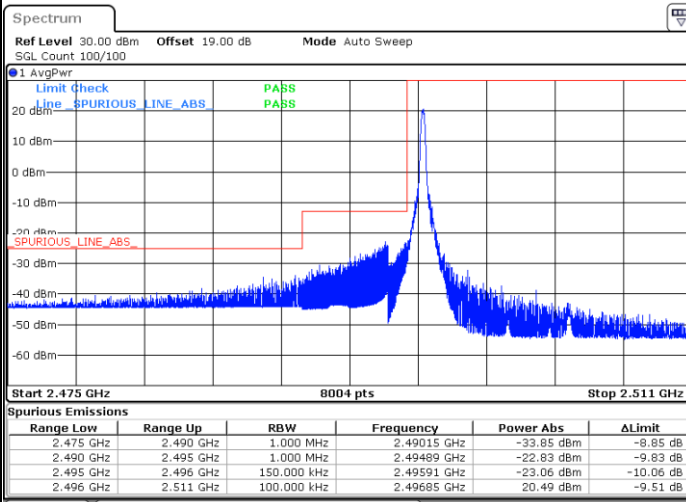


Date: 13.MAR.2024 06:37:59



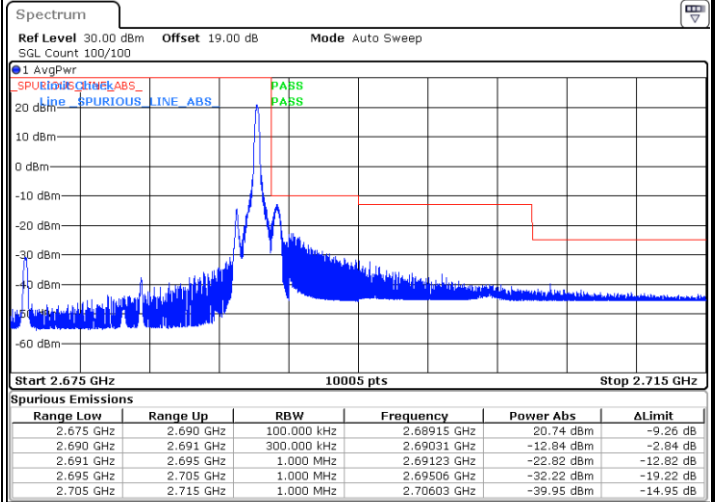
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1RB



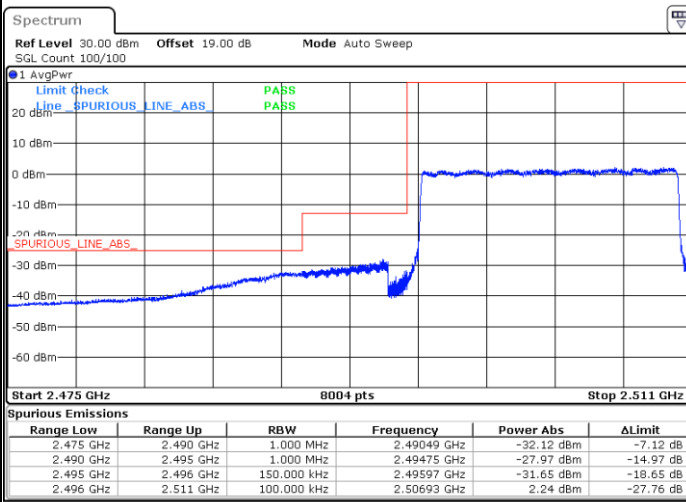
Date: 13.MAR.2024 05:29:55

Highest Band Edge / 1 RB



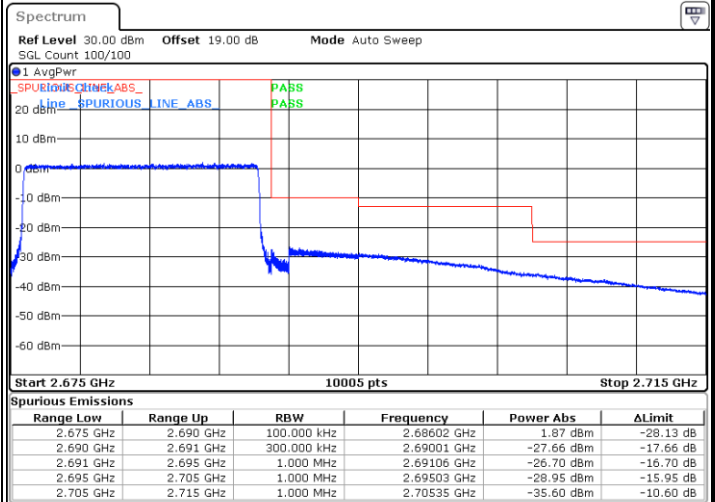
Date: 13.MAR.2024 06:33:37

Lowest Band Edge / Full RB



Date: 13.MAR.2024 05:33:31

Highest Band Edge / Full RB

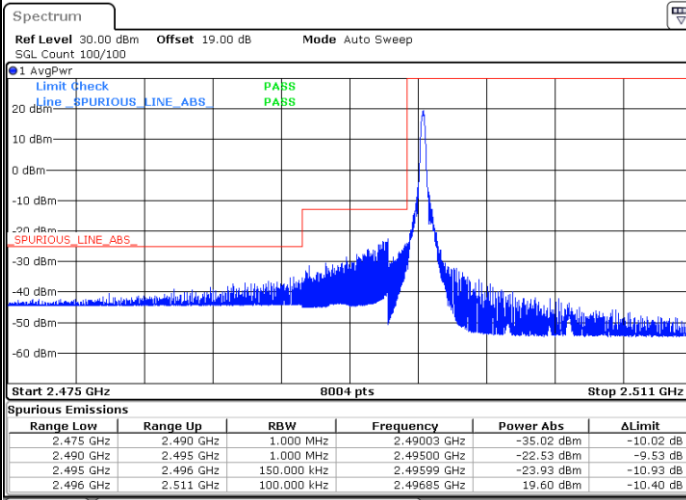


Date: 13.MAR.2024 06:36:53



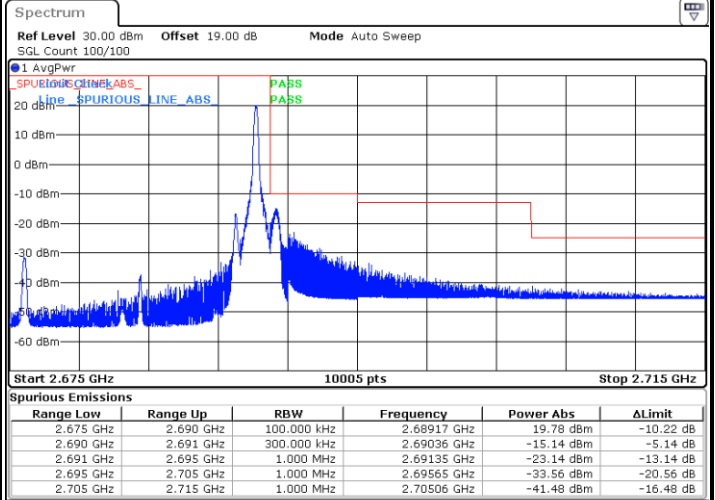
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1RB



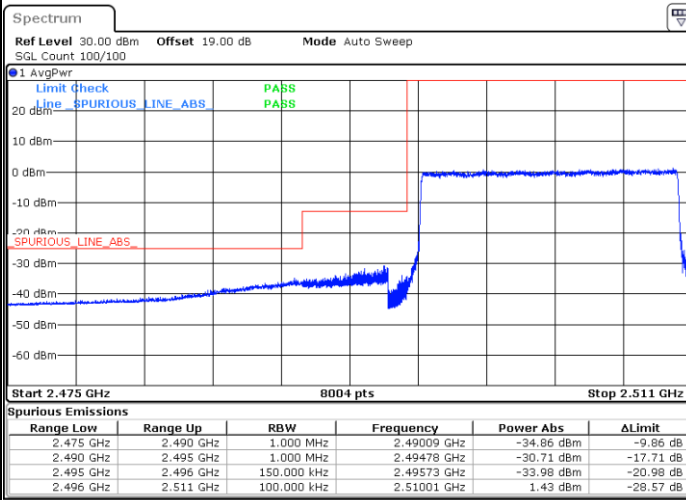
Date: 13.MAR.2024 05:31:08

Highest Band Edge / 1 RB



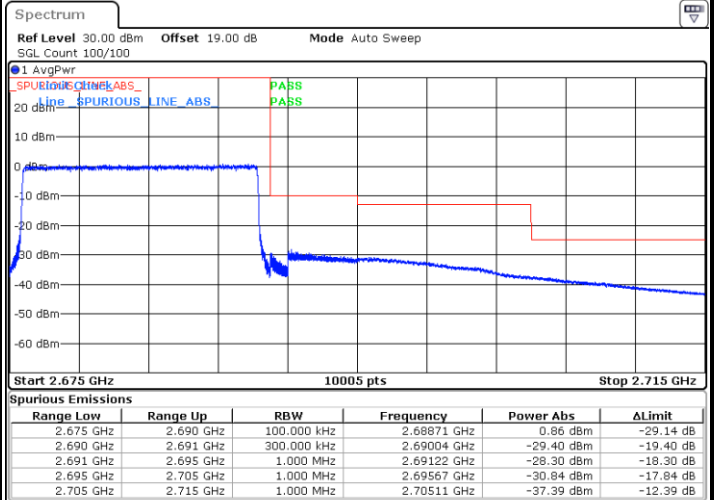
Date: 13.MAR.2024 06:34:42

Lowest Band Edge / Full RB



Date: 13.MAR.2024 05:32:17

Highest Band Edge / Full RB

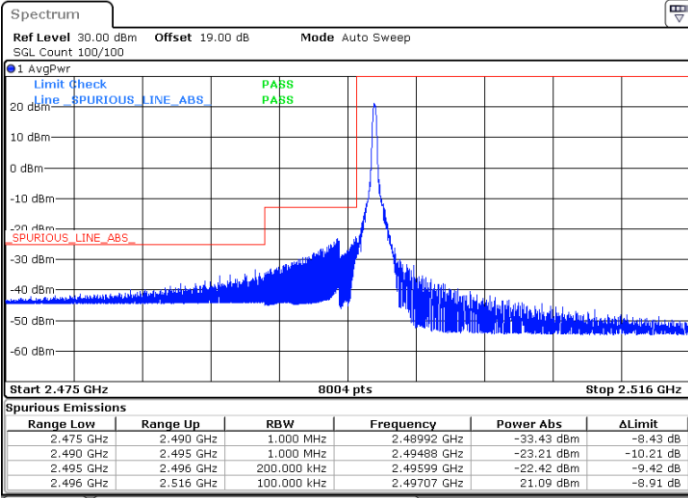


Date: 13.MAR.2024 06:35:48



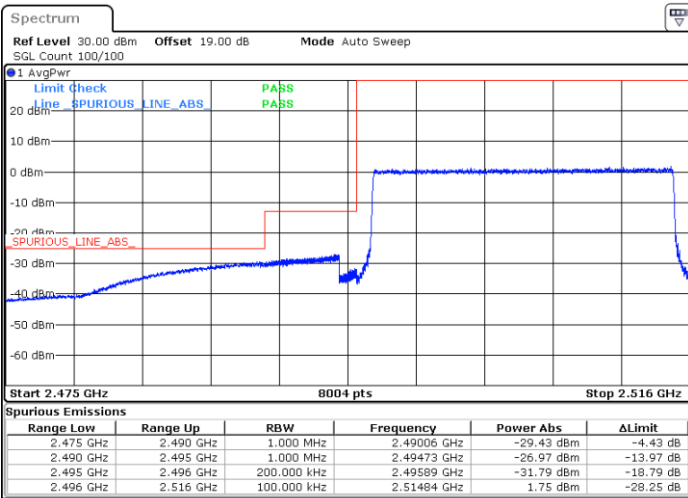
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



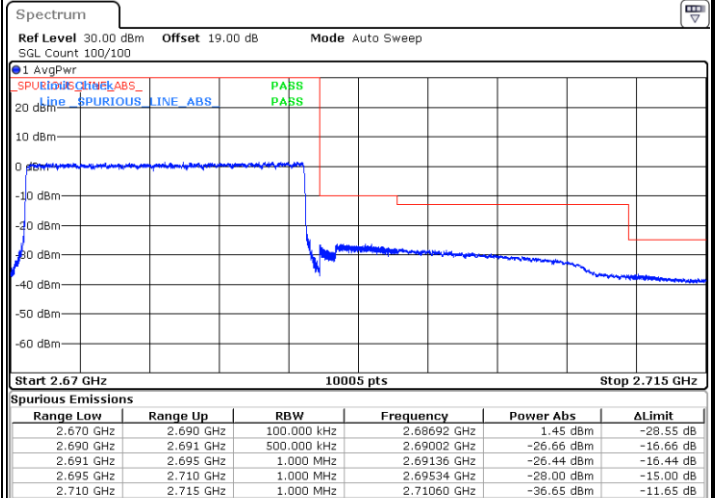
Date: 13.MAR.2024 06:40:57

Lowest Band Edge / Full RB

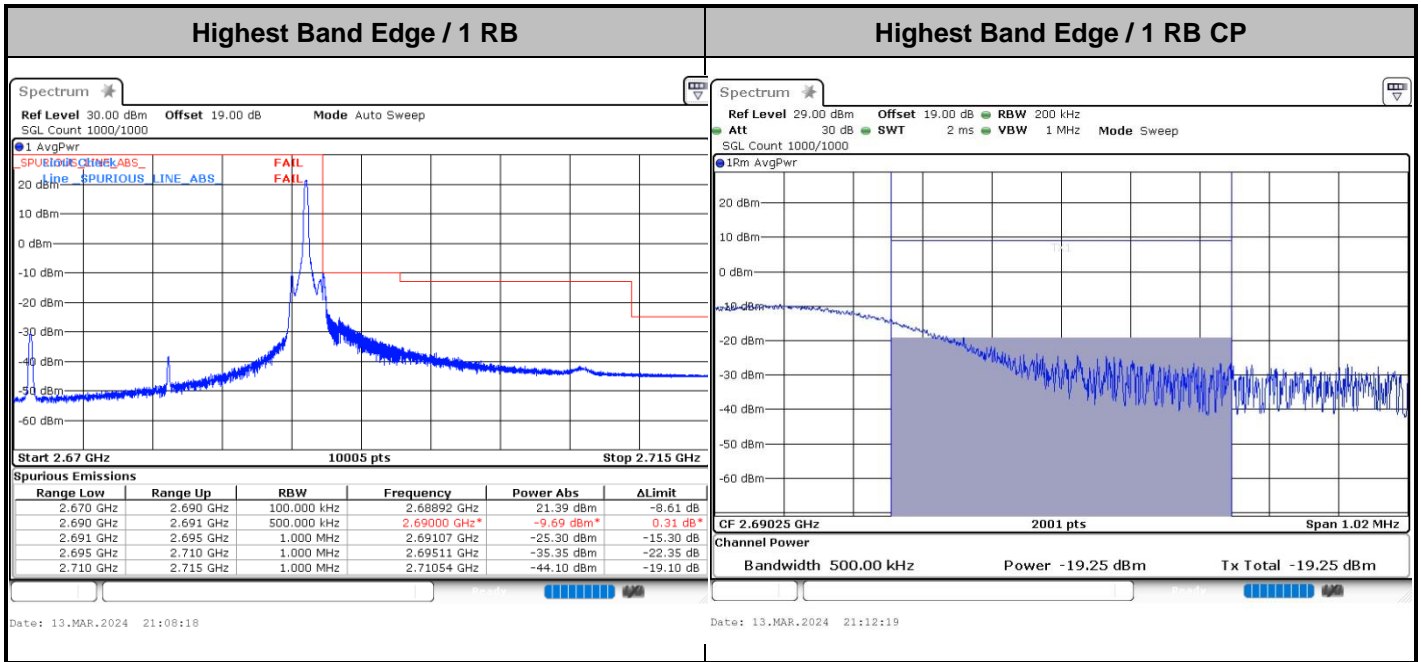


Date: 13.MAR.2024 06:46:26

Highest Band Edge / Full RB



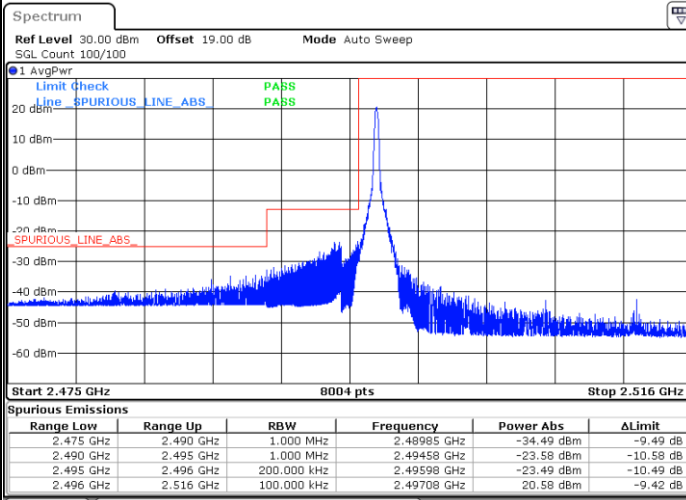
Date: 13.MAR.2024 06:57:57





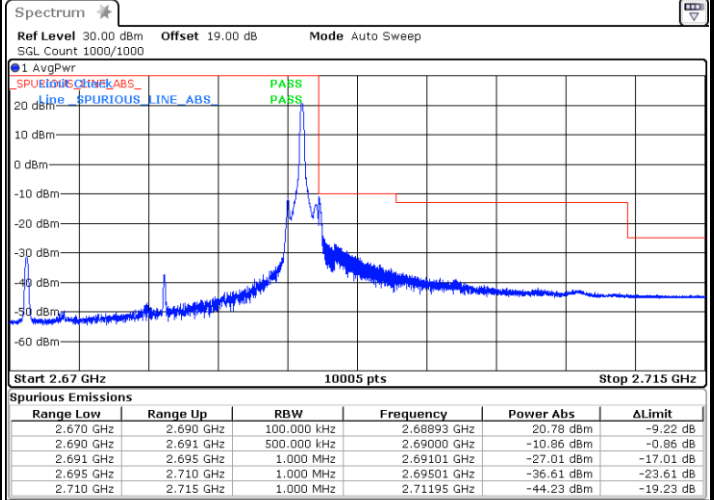
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1RB



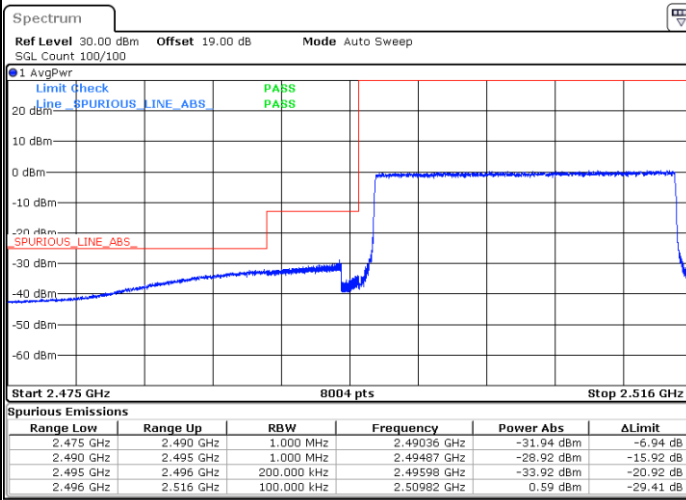
Date: 13.MAR.2024 06:42:03

Highest Band Edge / 1 RB



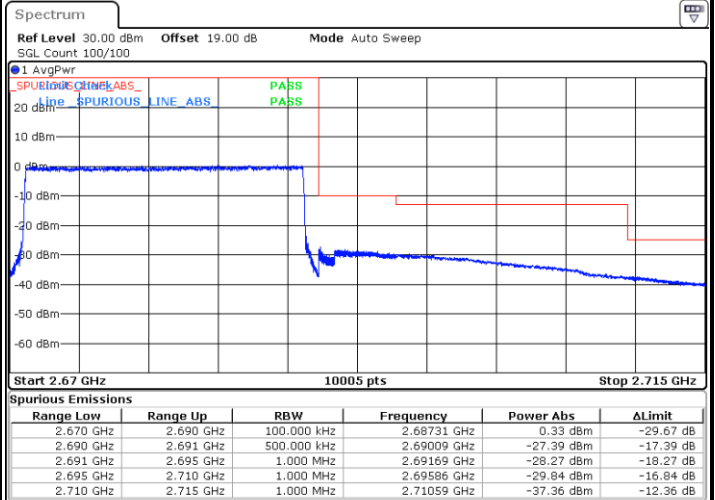
Date: 13.MAR.2024 20:56:44

Lowest Band Edge / Full RB



Date: 13.MAR.2024 06:45:20

Highest Band Edge / Full RB

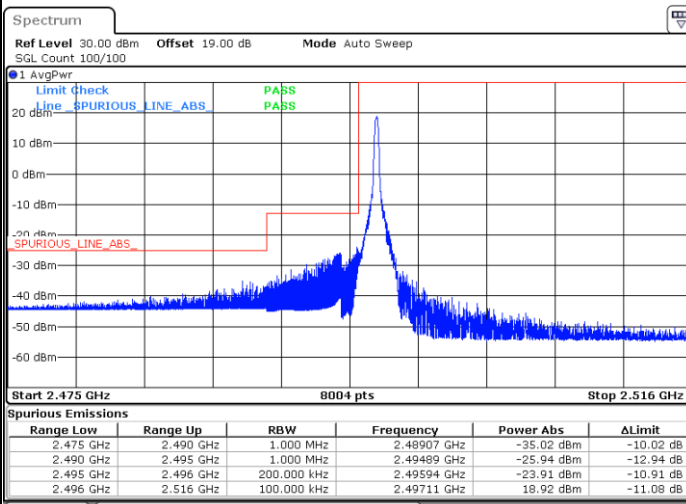


Date: 13.MAR.2024 06:56:52



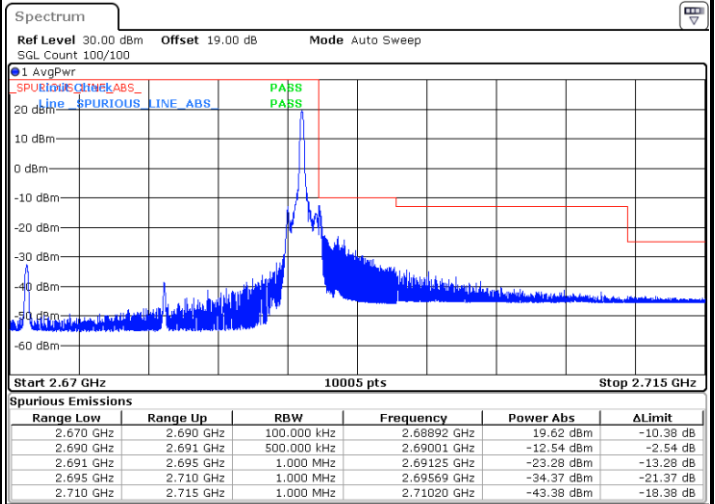
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1RB



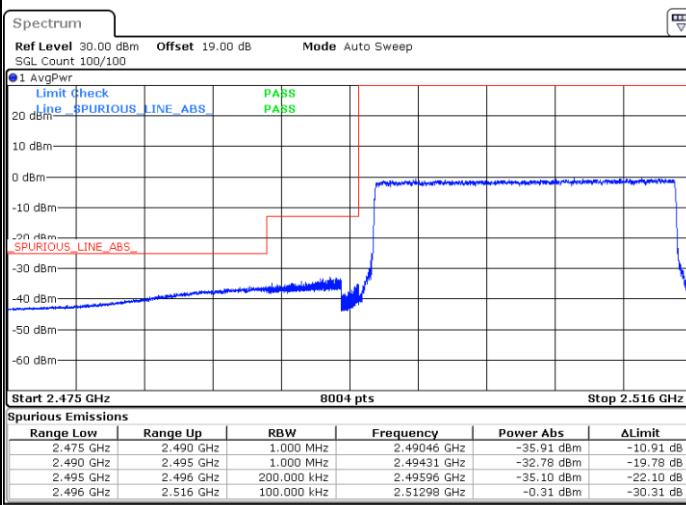
Date: 13.MAR.2024 06:43:08

Highest Band Edge / 1 RB



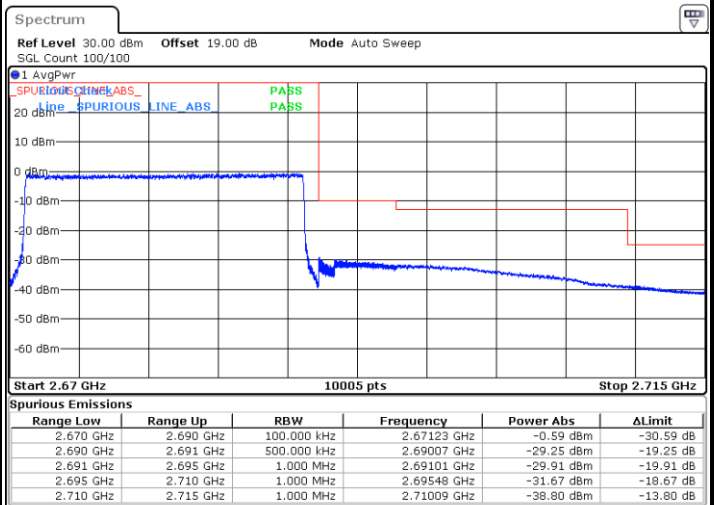
Date: 13.MAR.2024 06:54:41

Lowest Band Edge / Full RB



Date: 13.MAR.2024 06:44:14

Highest Band Edge / Full RB



Date: 13.MAR.2024 06:55:46

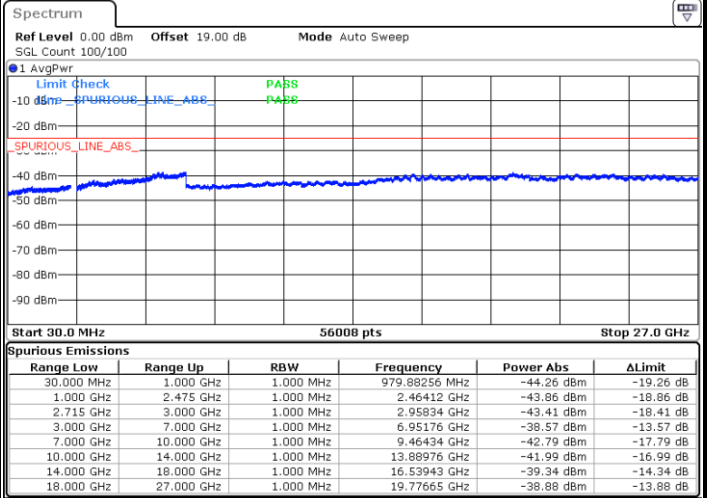
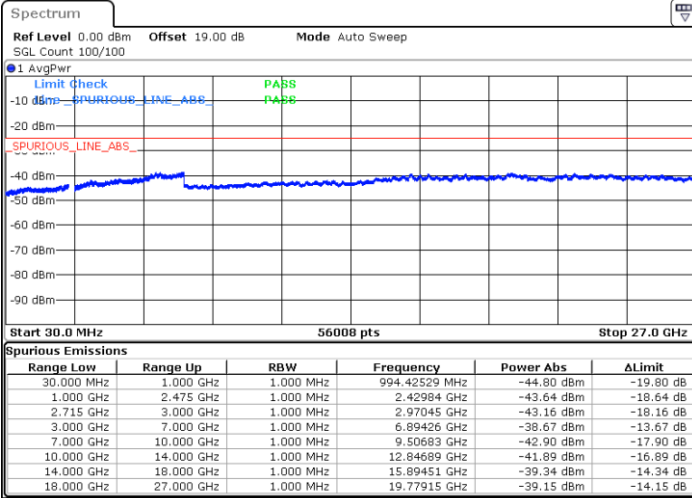


Conducted Spurious Emission

LTE Band 41 / 5MHz

Lowest Channel / QPSK

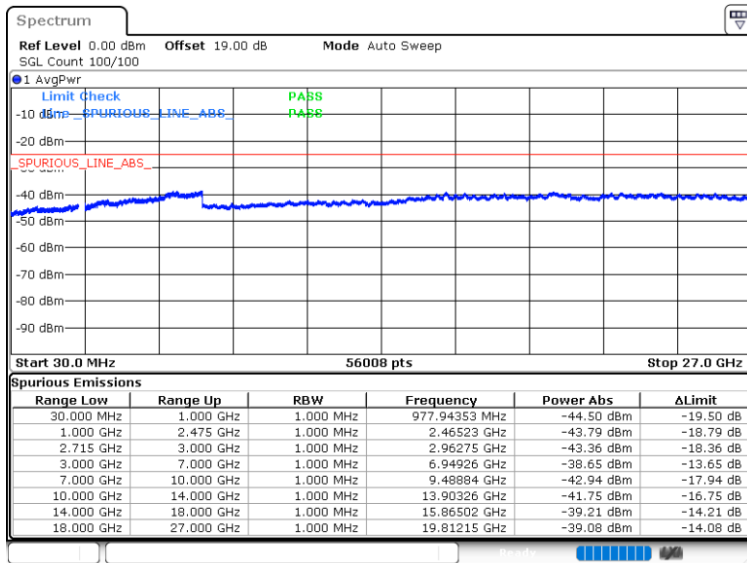
Middle Channel / QPSK



Date: 13.MAR.2024 04:49:54

Date: 13.MAR.2024 04:51:07

Highest Channel / QPSK



Date: 13.MAR.2024 05:01:13