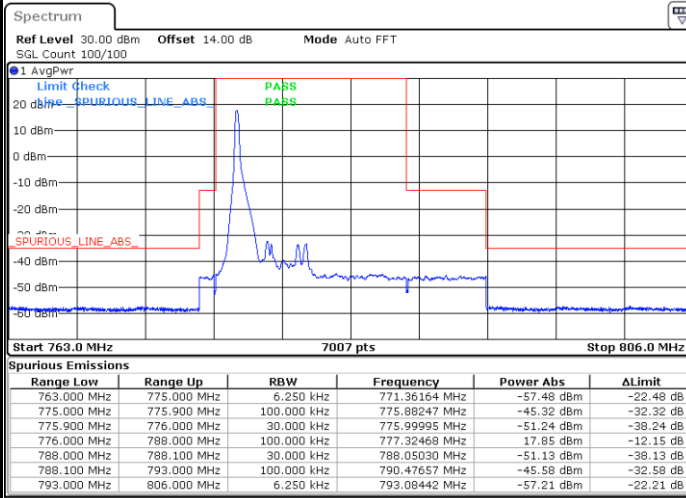




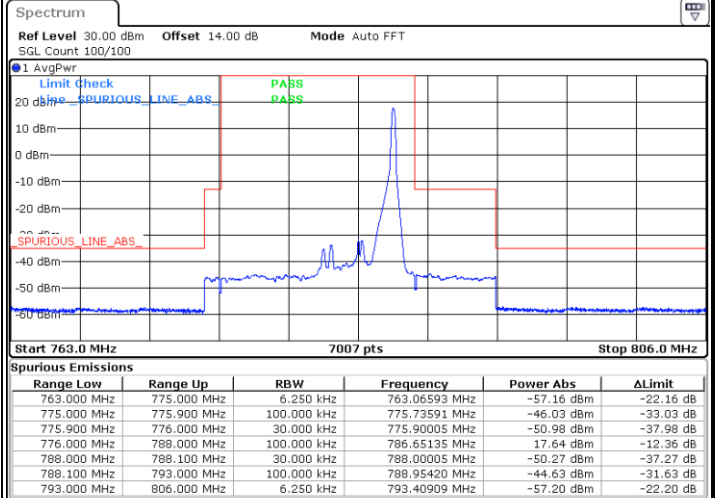
LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



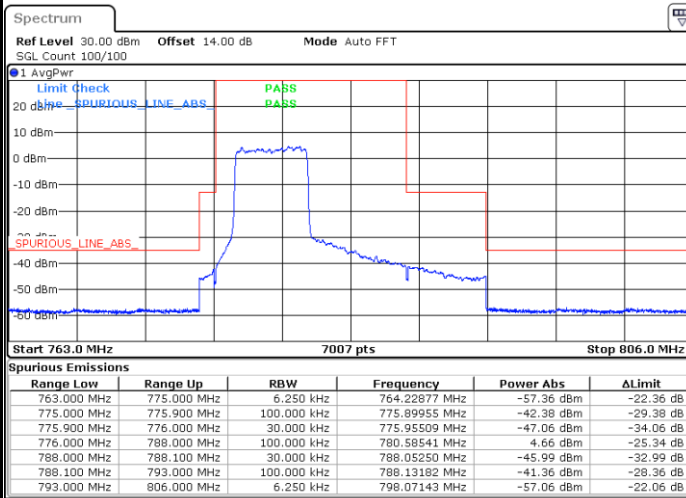
Date: 1 APR 2024 17:46:51

Highest Band Edge / 1 RB



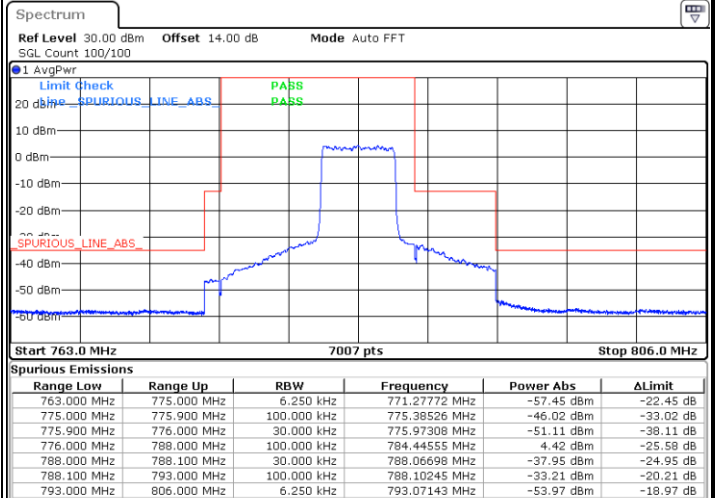
Date: 1 APR 2024 17:56:46

Lowest Band Edge / Full RB



Date: 1 APR 2024 17:49:54

Highest Band Edge / Full RB

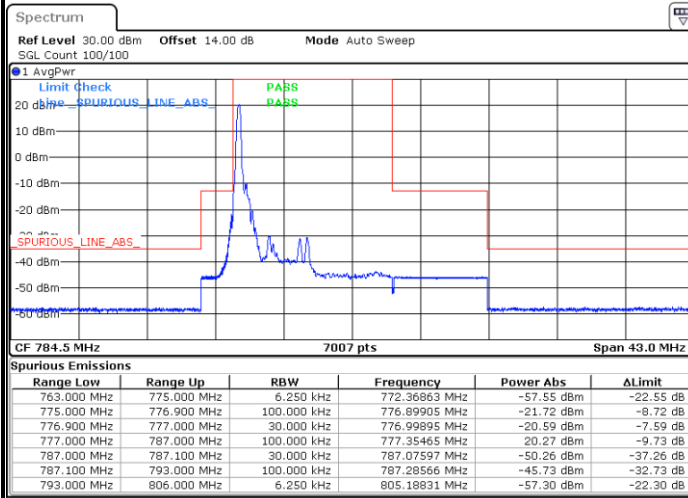


Date: 1 APR 2024 17:59:49



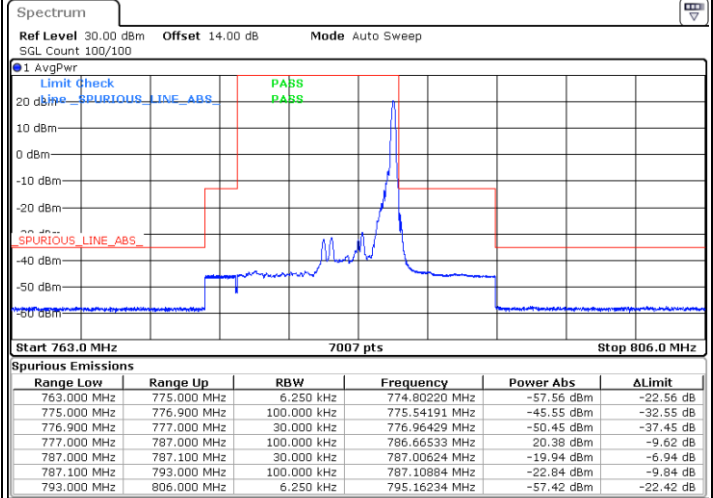
LTE Band 13 / 5MHz / QPSK

IC Lowest Band Edge / 1 RB



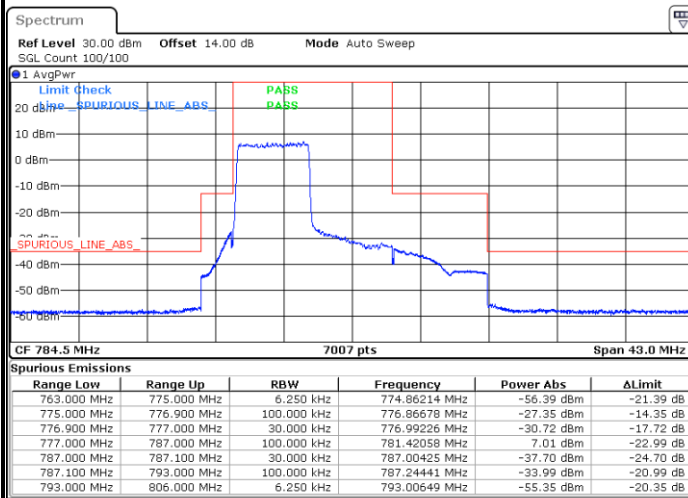
Date: 1 APR 2024 18:27:23

IC Highest Band Edge / 1 RB



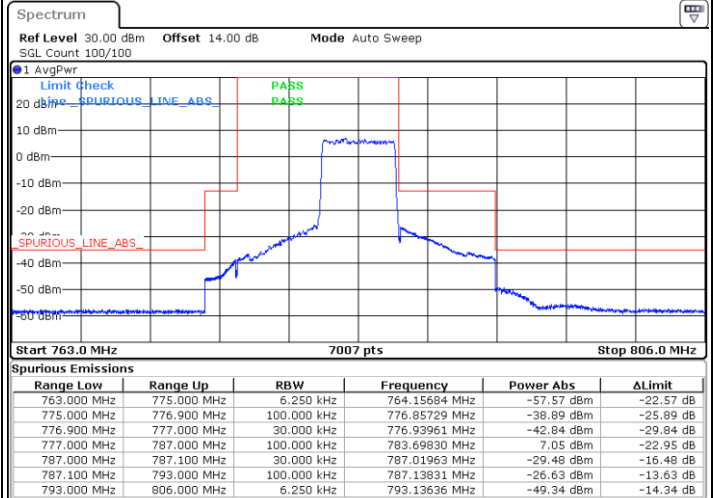
Date: 1 APR 2024 18:33:27

IC Lowest Band Edge / Full RB



Date: 1 APR 2024 18:24:21

IC Highest Band Edge / Full RB

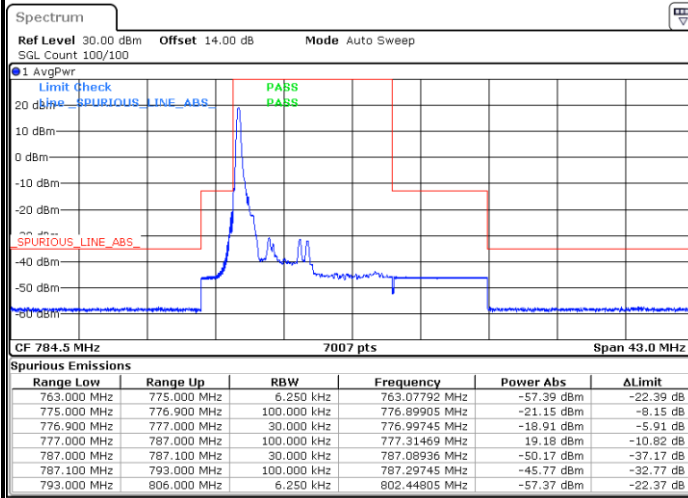


Date: 1 APR 2024 18:30:25



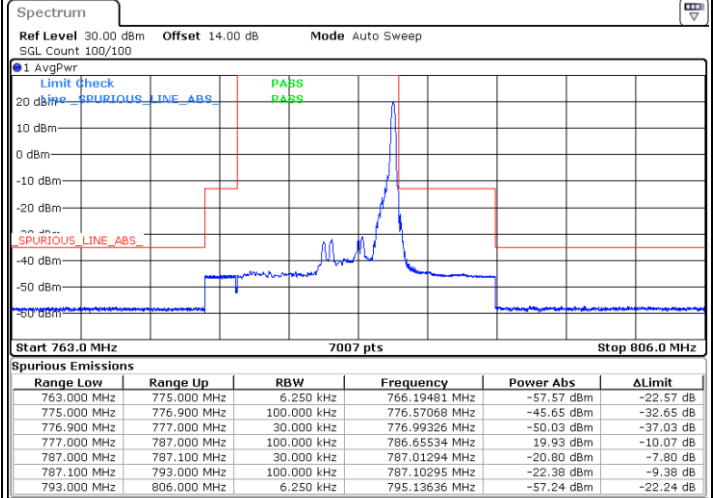
LTE Band 13 / 5MHz / 16QAM

IC Lowest Band Edge / 1 RB



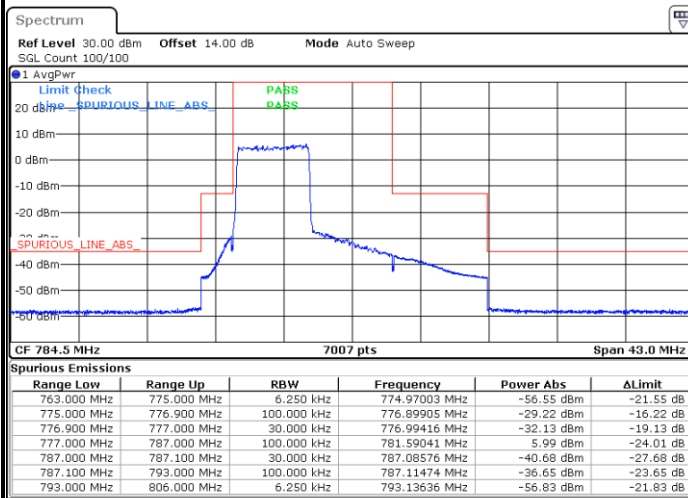
Date: 1 APR 2024 18:28:24

IC Highest Band Edge / 1 RB



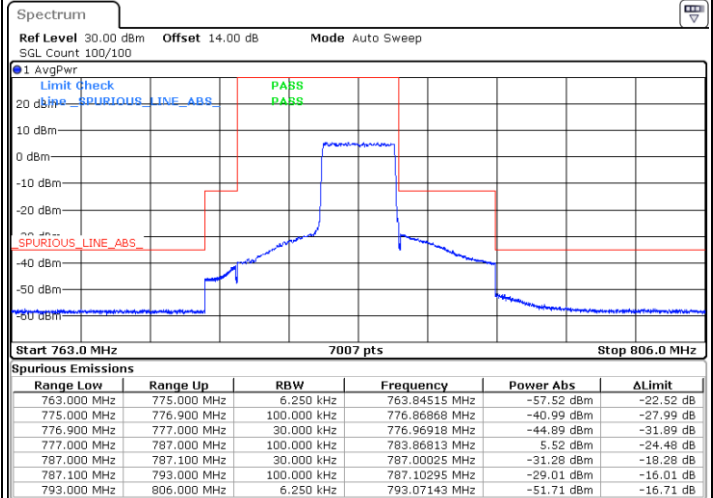
Date: 1 APR 2024 18:34:28

IC Lowest Band Edge / Full RB



Date: 1 APR 2024 18:25:22

IC Highest Band Edge / Full RB

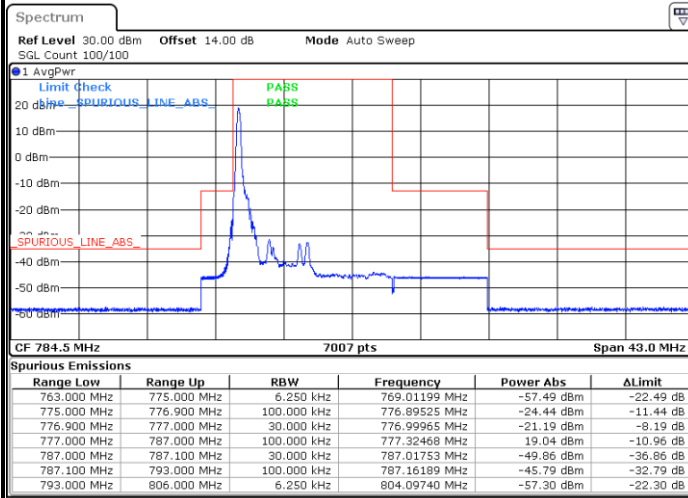


Date: 1 APR 2024 18:31:26



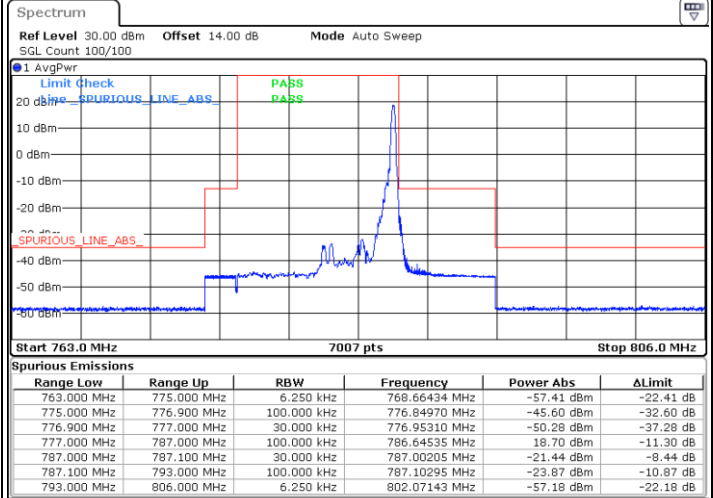
LTE Band 13 / 5MHz / 64QAM

IC Lowest Band Edge / 1 RB



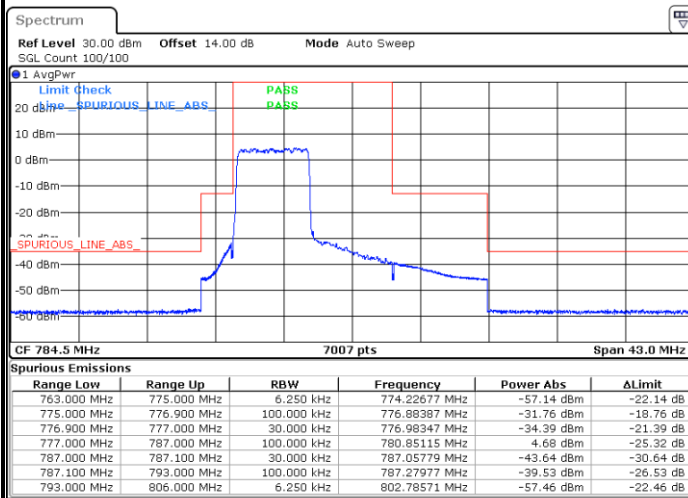
Date: 1 APR 2024 18:29:24

IC Highest Band Edge / 1 RB



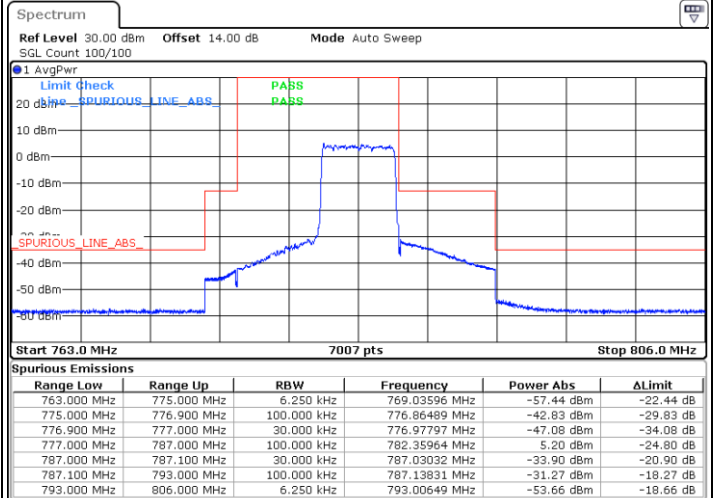
Date: 1 APR 2024 18:35:28

Lowest Band Edge / Full RB



Date: 1 APR 2024 18:26:22

Highest Band Edge / Full RB

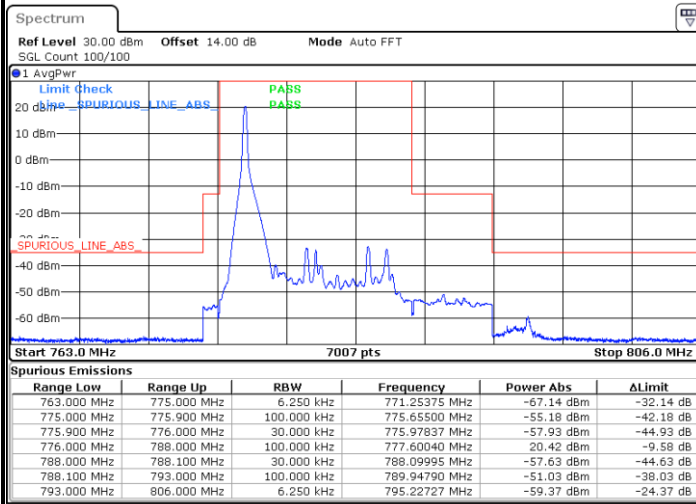


Date: 1 APR 2024 18:32:26



LTE Band 13 / 10MHz / QPSK

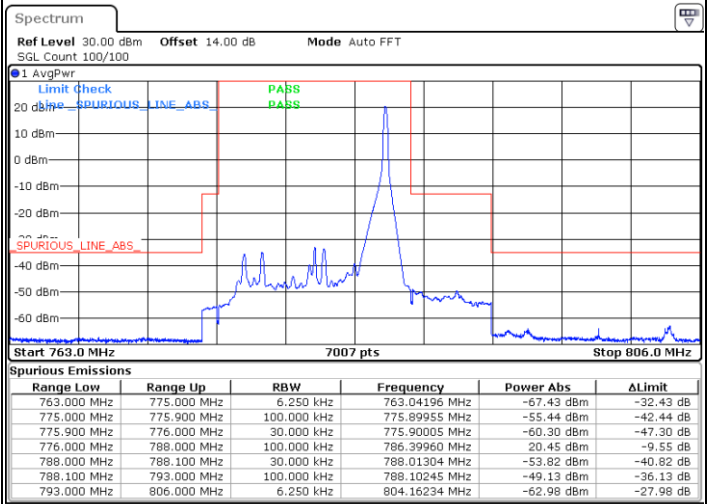
Band Edge / 1 RB



Date: 1 APR 2024 18:02:48

LTE Band 13 / 10MHz / QPSK

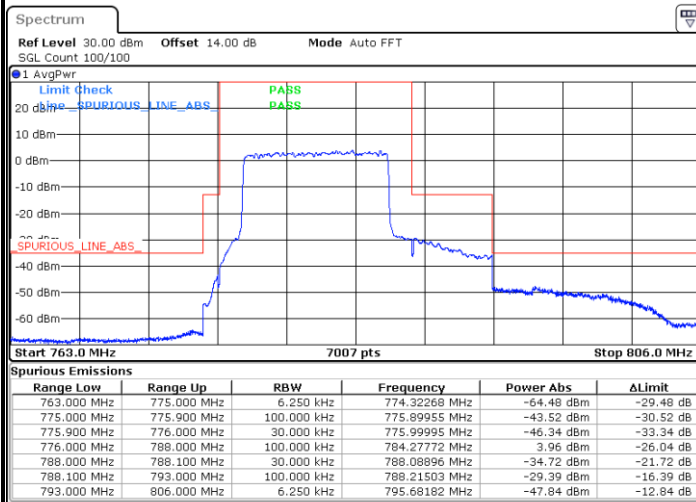
Band Edge / 1 RB



Date: 1 APR 2024 18:05:50

LTE Band 13 / 10MHz / QPSK

Band Edge / Full RB



Date: 1 APR 2024 18:08:52



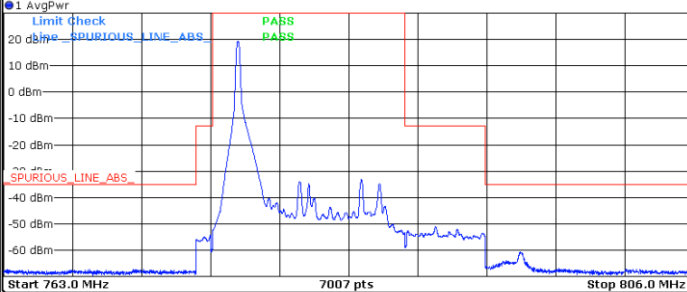
LTE Band 13 / 10MHz / 16QAM

Band Edge / 1 RB

LTE Band 13 / 10MHz / 16QAM

Band Edge / 1 RB

Spectrum

Ref Level 30.00 dBm Offset 14.00 dB Mode Auto FFT
SGL Count 100/100

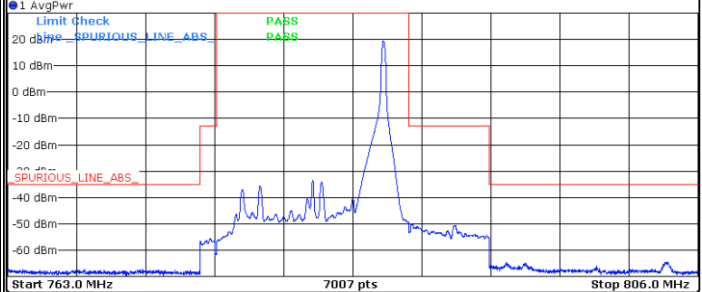
Start 763.0 MHz 7007 pts Stop 806.0 MHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	768.34066 MHz	-67.40 dBm	-32.40 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.99955 MHz	-54.43 dBm	-41.43 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99955 MHz	-59.19 dBm	-46.19 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.58841 MHz	-19.38 dBm	-10.62 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09446 MHz	-57.80 dBm	-44.80 dB
788.100 MHz	793.000 MHz	100.000 kHz	789.89895 MHz	-51.18 dBm	-38.18 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.16234 MHz	-60.72 dBm	-25.72 dB

Date: 1 APR 2024 18:03:49

Spectrum

Ref Level 30.00 dBm Offset 14.00 dB Mode Auto FFT
SGL Count 100/100

Start 763.0 MHz 7007 pts Stop 806.0 MHz

Spurious Emissions

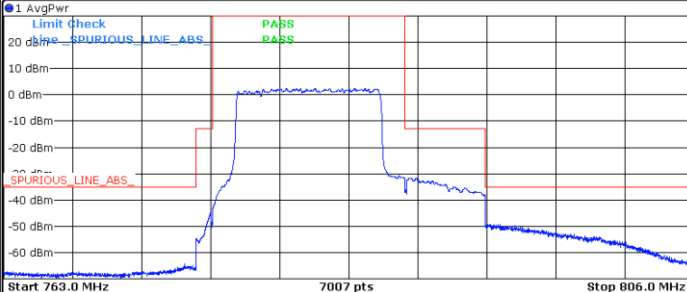
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	763.05395 MHz	-67.43 dBm	-32.43 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.61633 MHz	-55.79 dBm	-42.79 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98417 MHz	-61.31 dBm	-48.31 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.38761 MHz	-19.53 dBm	-10.47 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.06269 MHz	-52.90 dBm	-39.90 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.19056 MHz	-50.21 dBm	-37.21 dB
793.000 MHz	806.000 MHz	6.250 kHz	804.05844 MHz	-64.62 dBm	-29.62 dB

Date: 1 APR 2024 18:06:50

LTE Band 13 / 10MHz / 16QAM

Band Edge / Full RB

Spectrum

Ref Level 30.00 dBm Offset 14.00 dB Mode Auto FFT
SGL Count 100/100

Start 763.0 MHz 7007 pts Stop 806.0 MHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.28671 MHz	-64.39 dBm	-29.39 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-45.11 dBm	-32.11 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97128 MHz	-48.51 dBm	-35.51 dB
776.000 MHz	788.000 MHz	100.000 kHz	781.22078 MHz	-2.36 dBm	-27.64 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.06628 MHz	-35.98 dBm	-22.98 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.69476 MHz	-31.76 dBm	-18.76 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.79870 MHz	-49.29 dBm	-14.29 dB

Date: 1 APR 2024 18:09:52

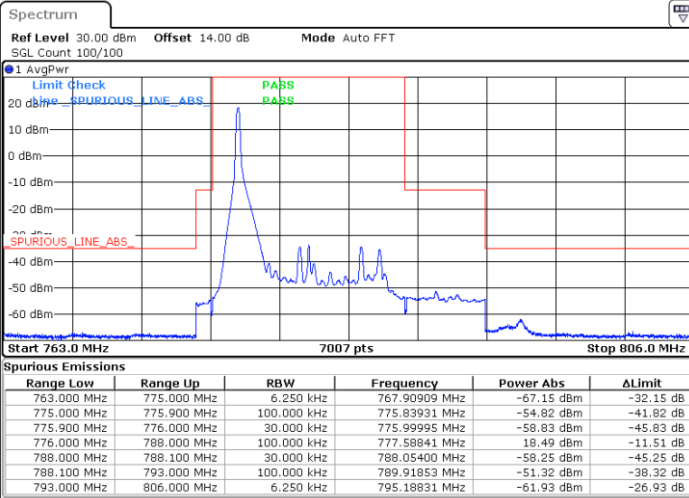


LTE Band 13 / 10MHz / 64QAM

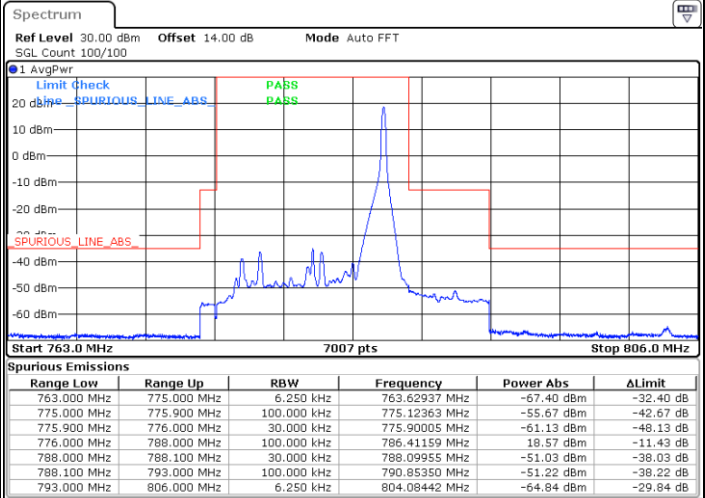
Band Edge / 1 RB

LTE Band 13 / 10MHz / 64QAM

Band Edge / 1 RB



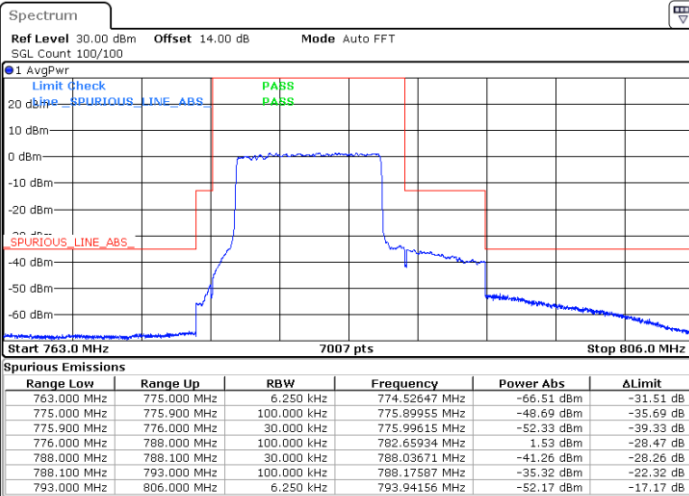
Date: 1 APR 2024 18:04:49



Date: 1 APR 2024 18:07:51

LTE Band 13 / 10MHz / 64QAM

Band Edge / Full RB

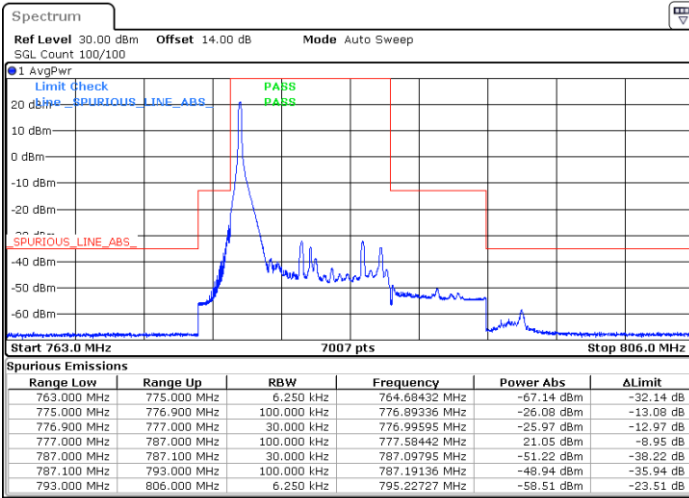


Date: 1 APR 2024 18:10:53



IC LTE Band 13 / 10MHz / QPSK

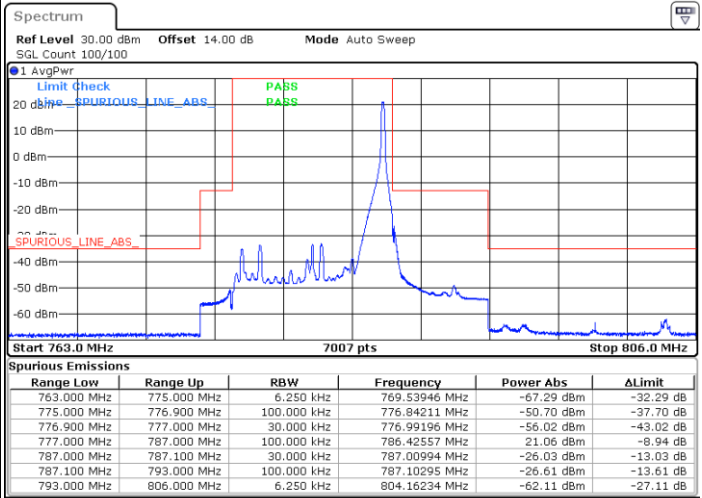
Band Edge / 1 RB



Date: 6.APR.2024 13:51:06

IC LTE Band 13 / 10MHz / QPSK

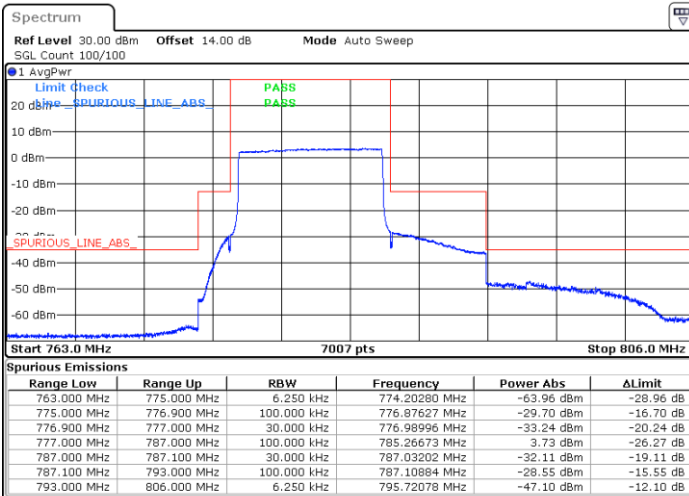
Band Edge / 1 RB



Date: 6.APR.2024 13:54:53

IC LTE Band 13 / 10MHz / QPSK

Band Edge / Full RB

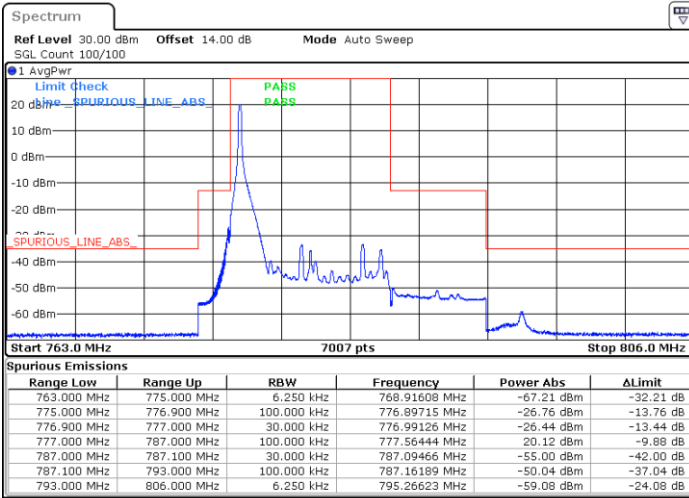


Date: 6.APR.2024 13:47:20



IC LTE Band 13 / 10MHz / 16QAM

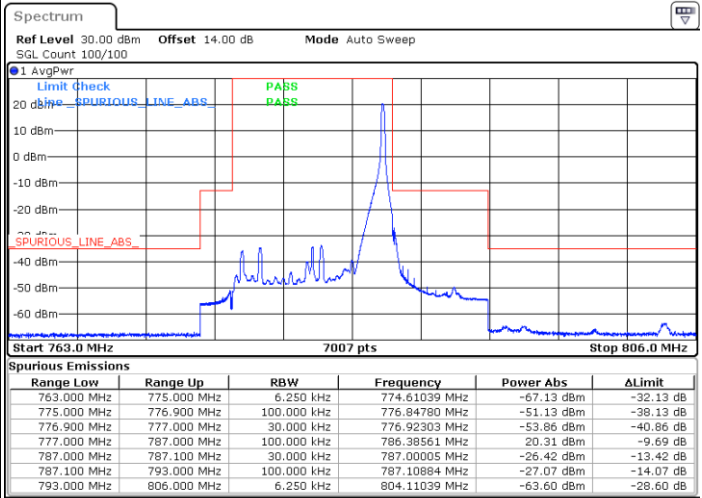
Band Edge / 1 RB



Date: 6.APR.2024 13:52:22

IC LTE Band 13 / 10MHz / 16QAM

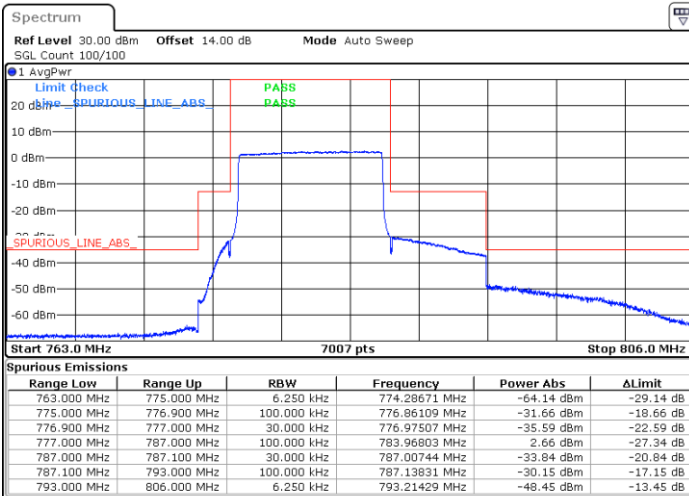
Band Edge / 1 RB



Date: 6.APR.2024 13:56:08

IC LTE Band 13 / 10MHz / 16QAM

Band Edge / Full RB

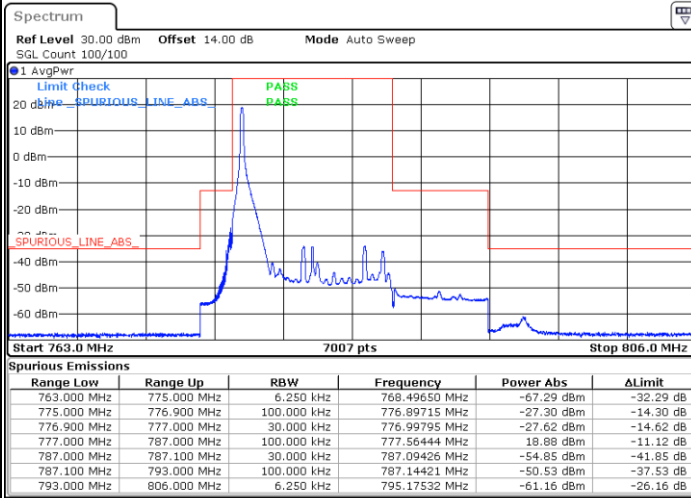


Date: 6.APR.2024 13:48:35



IC LTE Band 13 / 10MHz / 64QAM

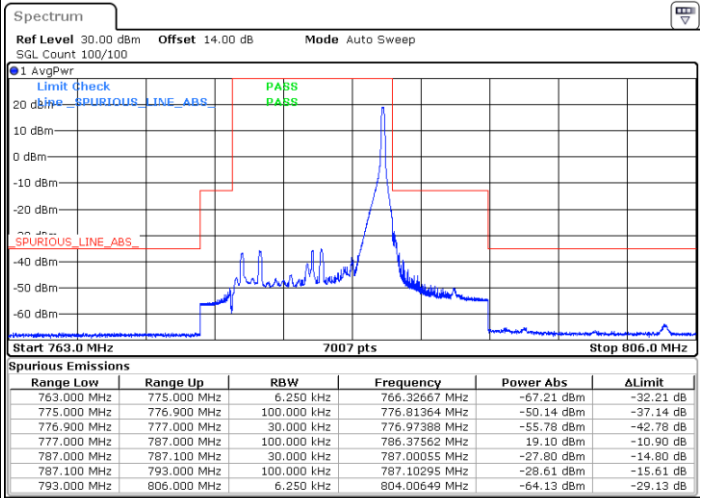
Band Edge / 1 RB



Date: 6.APR.2024 13:53:37

IC LTE Band 13 / 10MHz / 64QAM

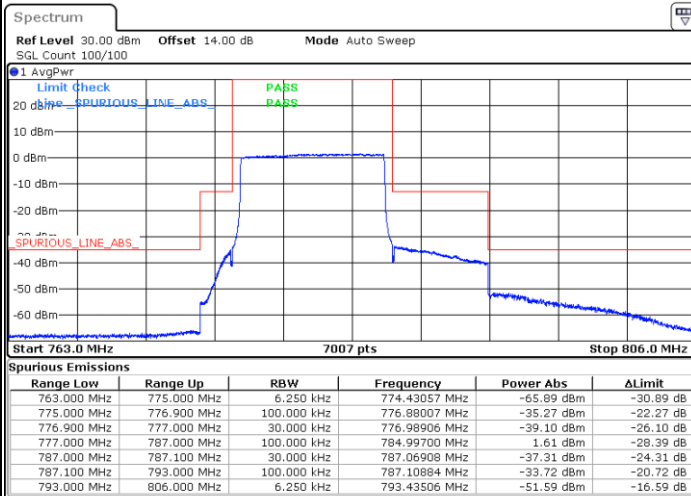
Band Edge / 1 RB



Date: 6.APR.2024 13:57:24

IC LTE Band 13 / 10MHz / 64QAM

Band Edge / Full RB



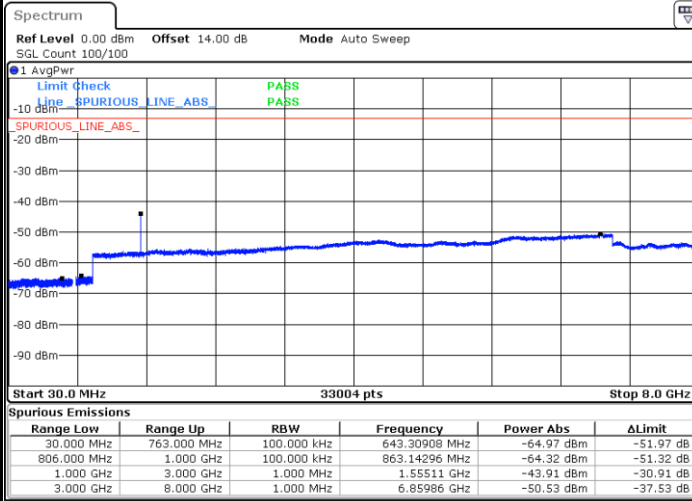
Date: 6.APR.2024 13:49:51



Conducted Spurious Emission

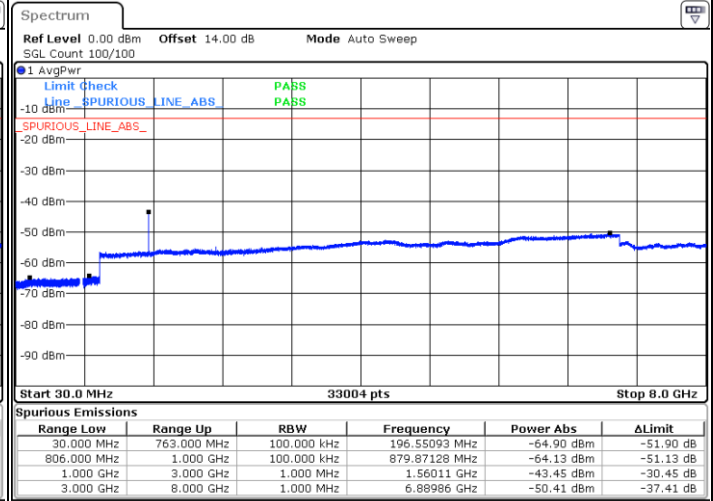
LTE Band 13 / 5MHz

Lowest Channel / QPSK



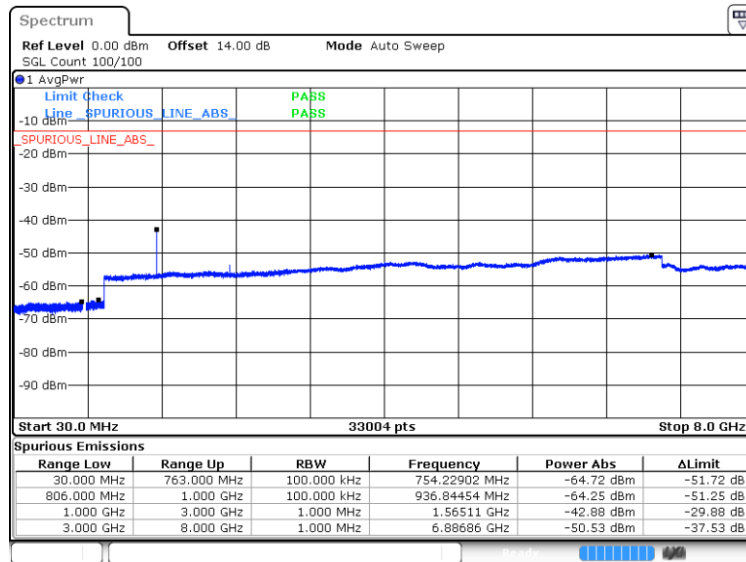
Date: 1 APR 2024 17:51:10

Middle Channel / QPSK



Date: 1 APR 2024 17:52:24

Highest Channel / QPSK

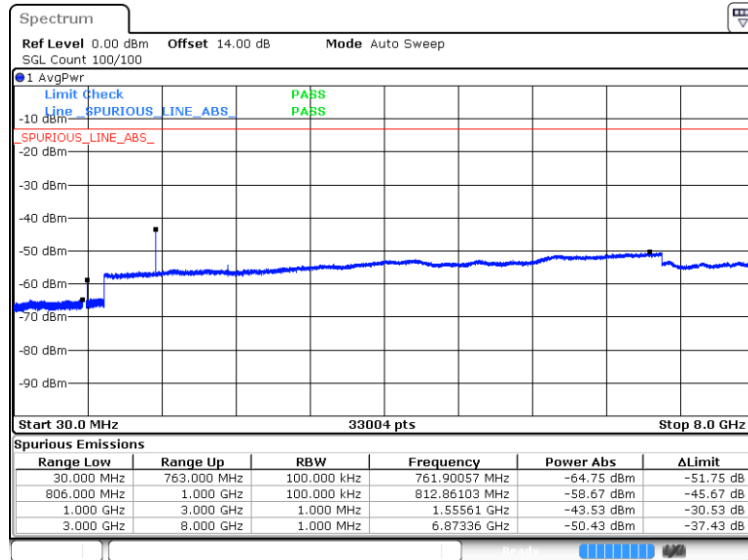


Date: 1 APR 2024 18:01:04



LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 1.APR.2024 18:12:08

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	0.0014	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0003	

Note:

1. Normal Voltage =3.3 V. ; Minimum Voltage =3.14 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

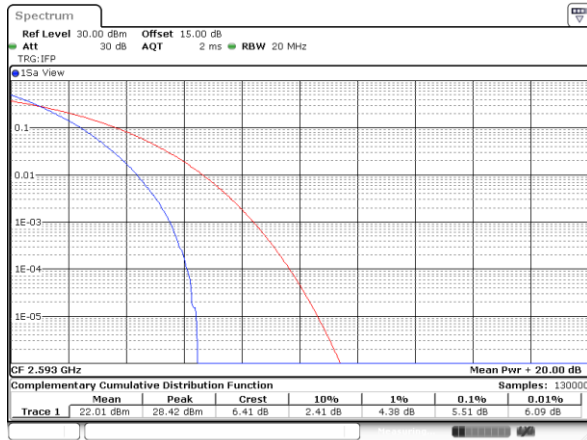
Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.51	6.32	6.41	PASS



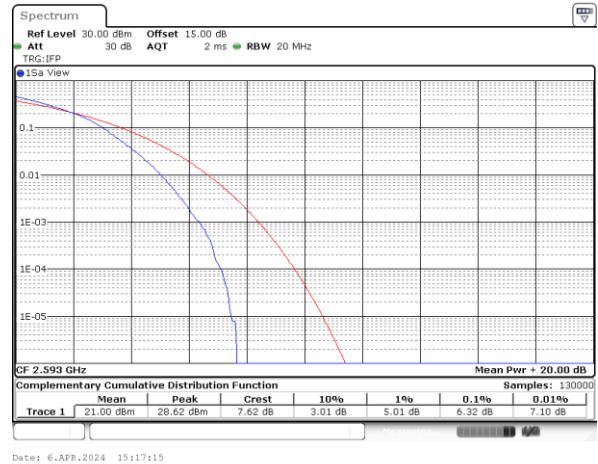
LTE Band 41 / 20MHz / QPSK

Middle Channel / Full RB



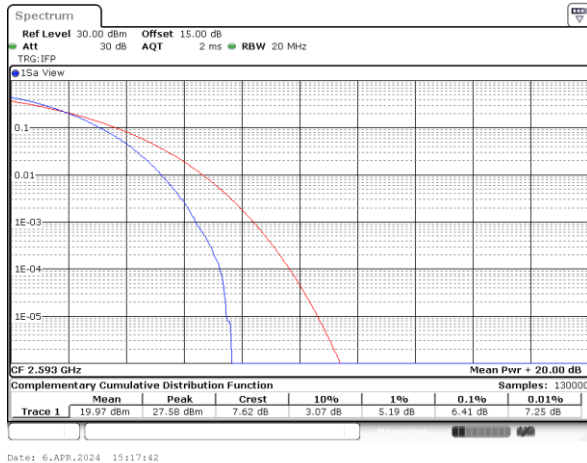
LTE Band 41 / 20MHz / 16QAM

Middle Channel / Full RB



LTE Band 41 / 20MHz / 64QAM

Middle Channel / Full RB





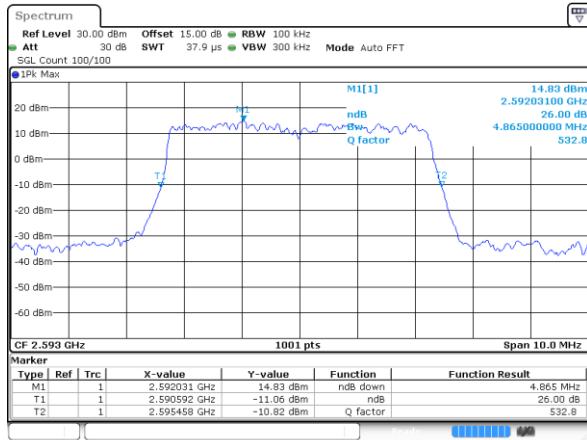
26dB Bandwidth

Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.87	4.87	9.65	9.75	14.15	14.51	18.82	18.66



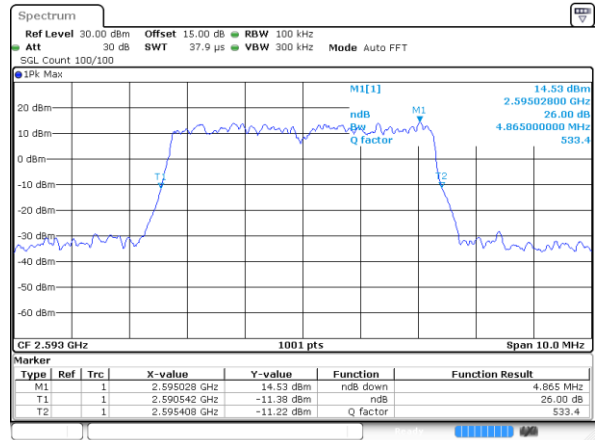
LTE Band 41

Middle Channel / 5MHz / QPSK



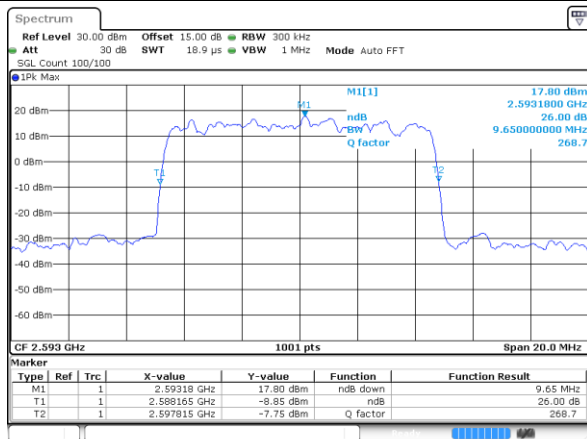
Date: 27 MAR 2024 17:01:50

Middle Channel / 5MHz / 16QAM



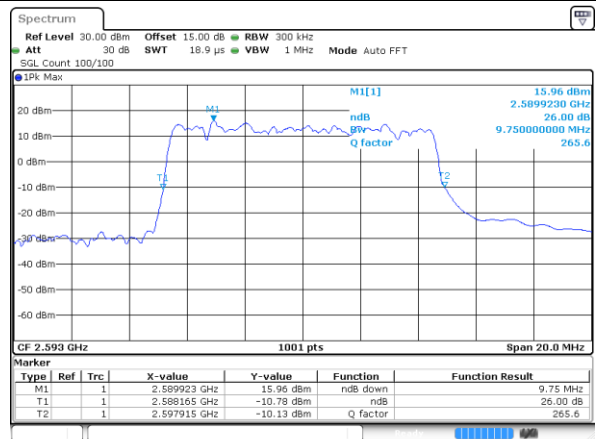
Date: 27 MAR 2024 17:02:30

Middle Channel / 10MHz / QPSK



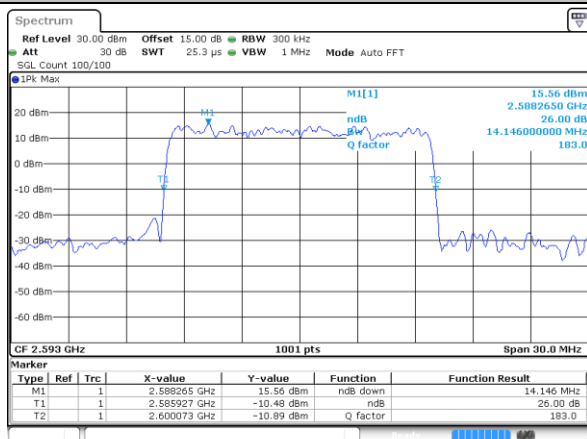
Date: 27 MAR 2024 17:20:46

Middle Channel / 10MHz / 16QAM



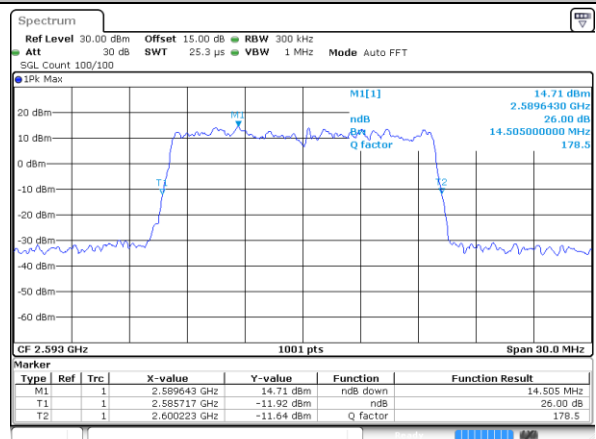
Date: 27 MAR 2024 17:21:26

Middle Channel / 15MHz / QPSK



Date: 27 MAR 2024 17:37:41

Middle Channel / 15MHz / 16QAM

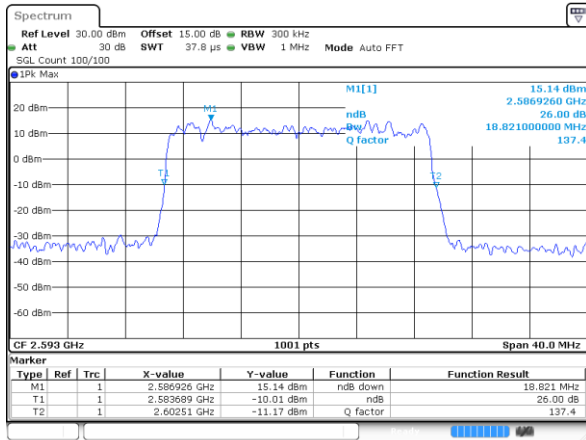


Date: 27 MAR 2024 17:38:22

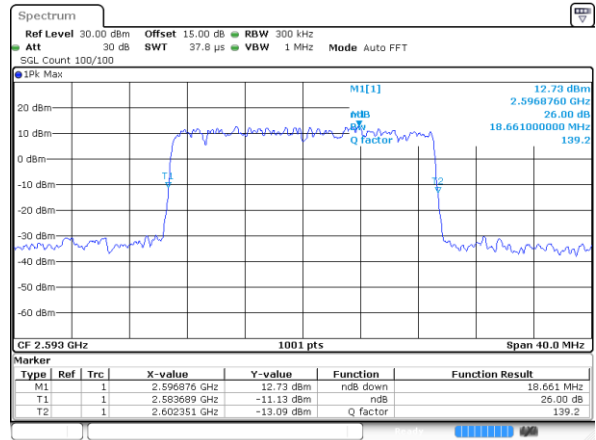


LTE Band 41

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM





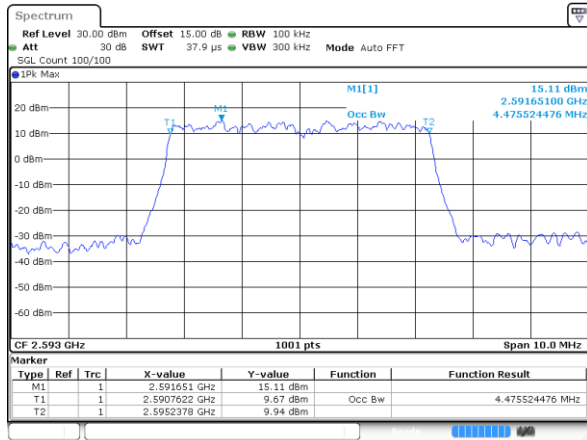
Occupied Bandwidth

Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.48	4.51	9.05	9.05	13.46	13.46	17.82	17.90



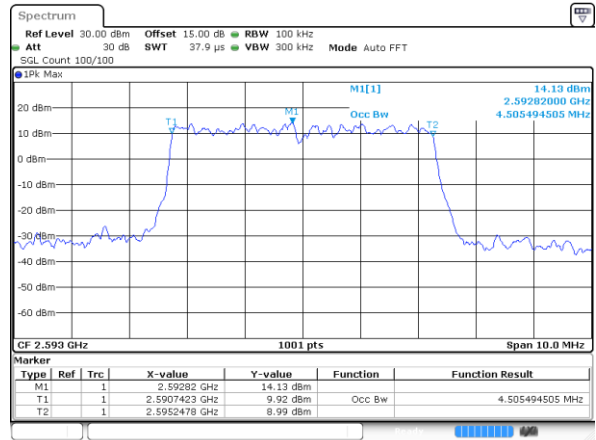
LTE Band 41

Middle Channel / 5MHz / QPSK



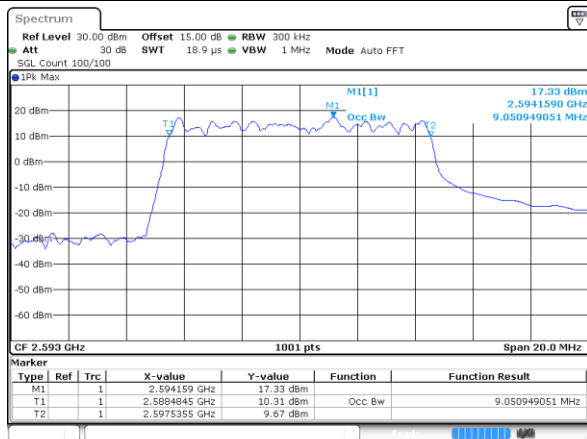
Date: 27 MAR 2024 17:01:36

Middle Channel / 5MHz / 16QAM



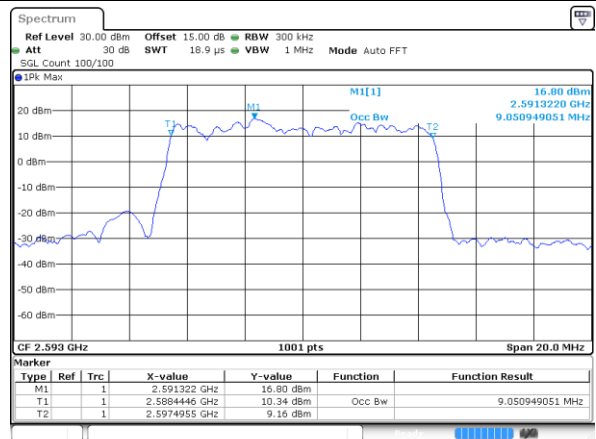
Date: 27 MAR 2024 17:02:16

Middle Channel / 10MHz / QPSK



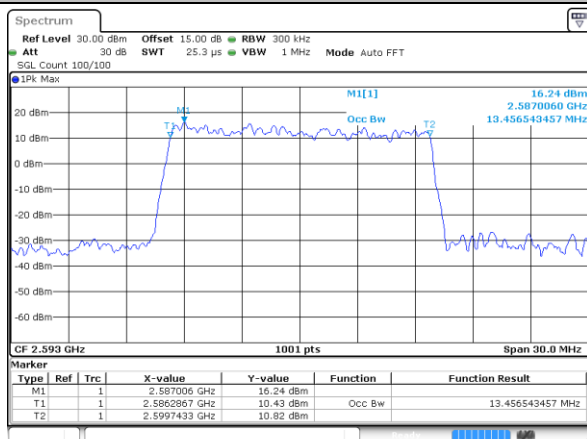
Date: 27 MAR 2024 17:20:32

Middle Channel / 10MHz / 16QAM



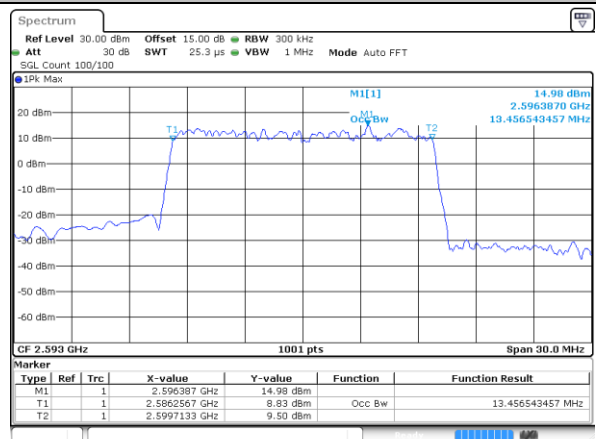
Date: 27 MAR 2024 17:21:12

Middle Channel / 15MHz / QPSK



Date: 27 MAR 2024 17:37:27

Middle Channel / 15MHz / 16QAM

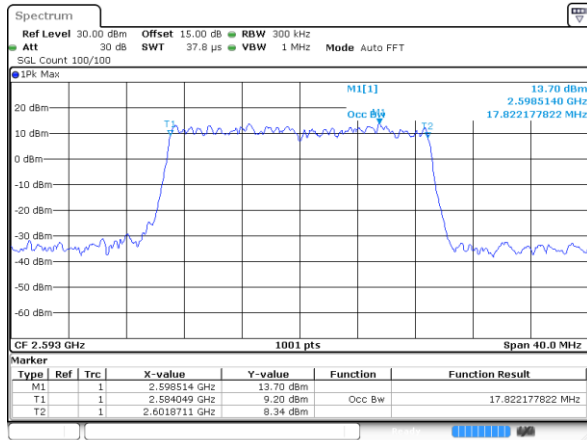


Date: 27 MAR 2024 17:38:08



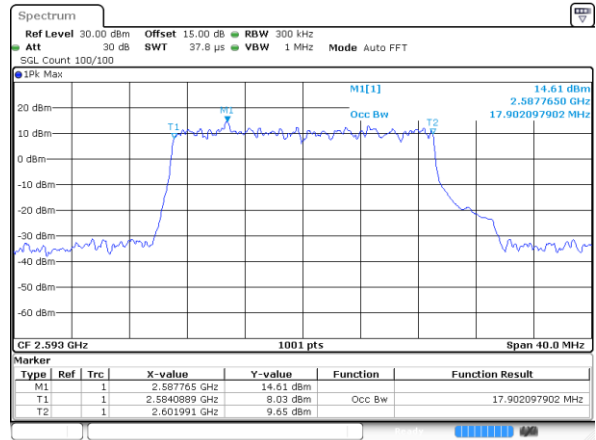
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 27 MAR 2024 17:55:02

Middle Channel / 20MHz / 16QAM



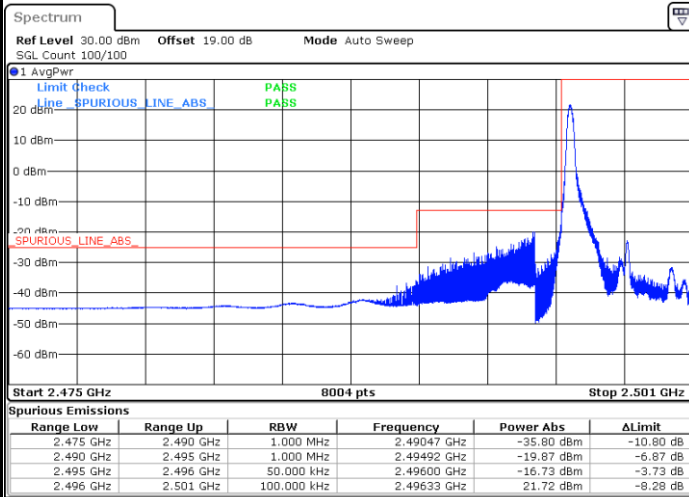
Date: 27 MAR 2024 17:55:42



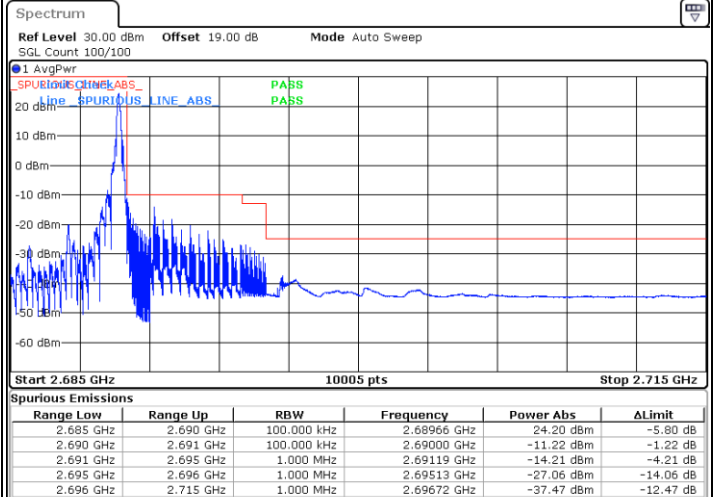
Conducted Band Edge

LTE Band 41 / 5MHz / QPSK

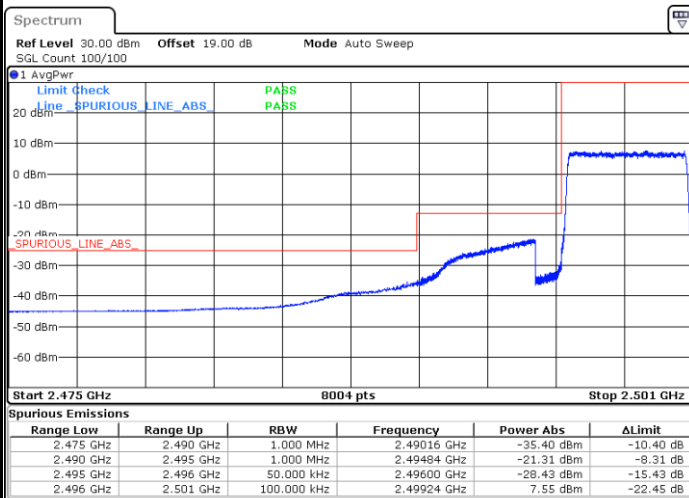
Lowest Band Edge / 1 RB



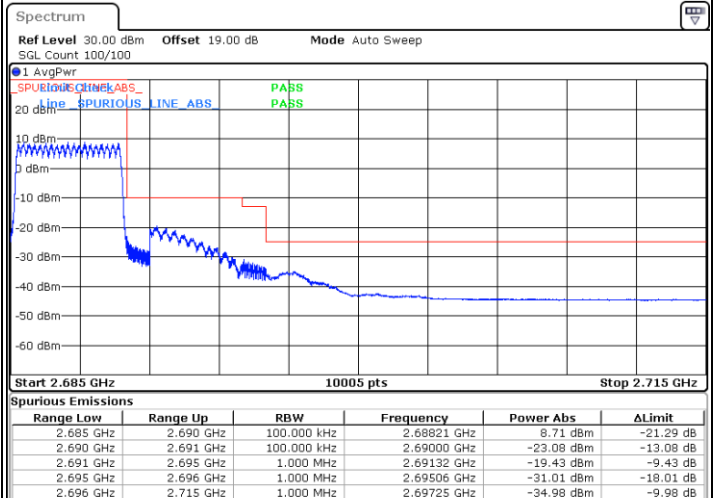
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



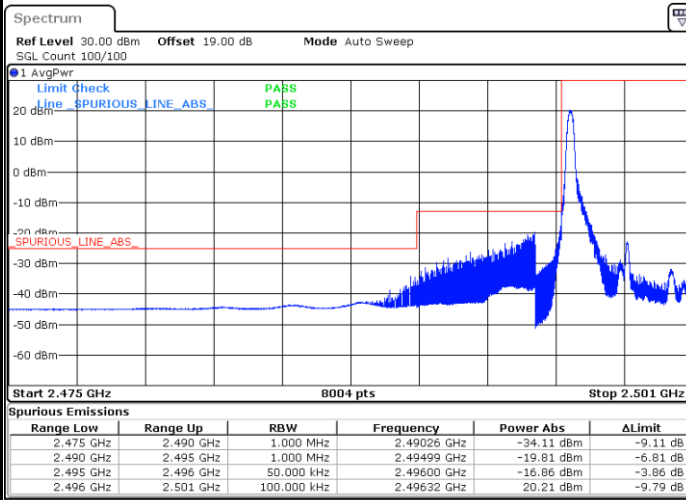
Highest Band Edge / Full RB



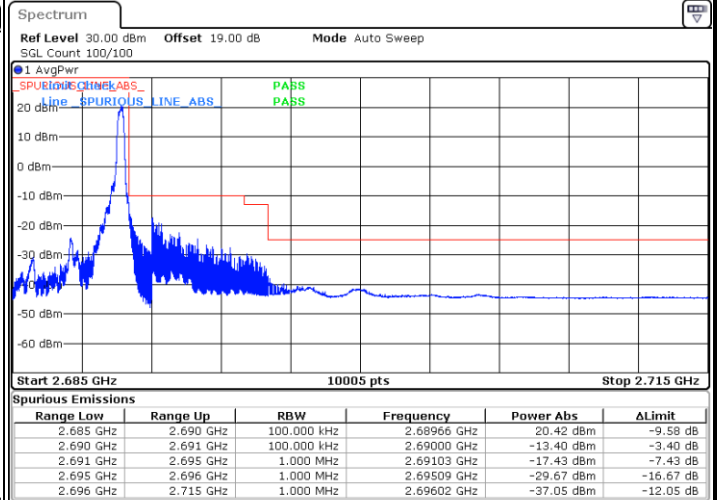


LTE Band 41 / 5MHz / 16QAM

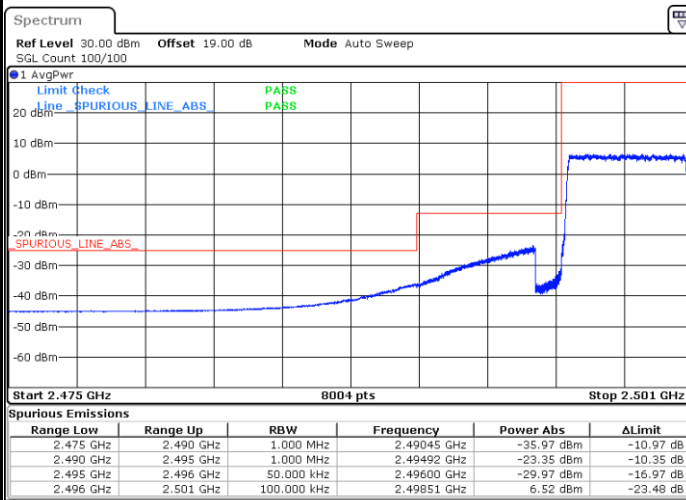
Lowest Band Edge / 1RB



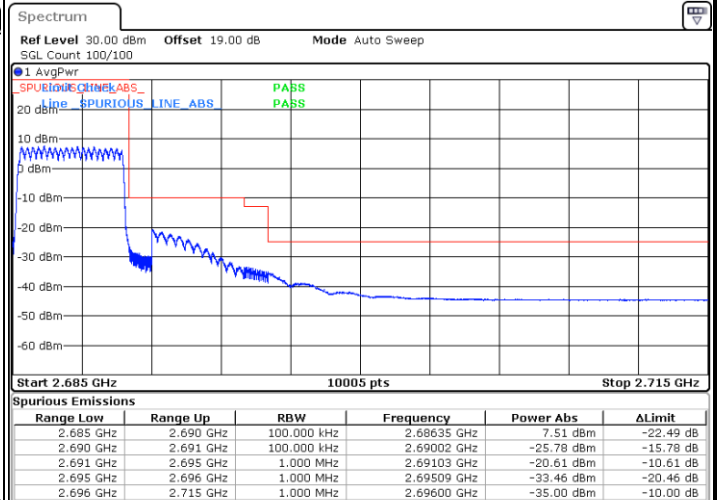
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



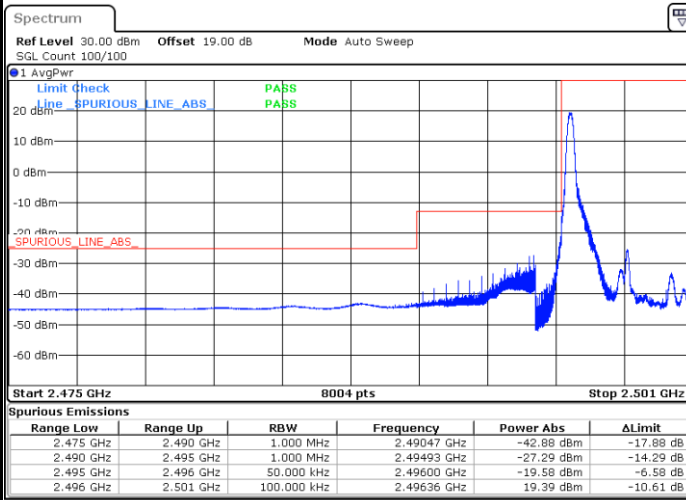
Highest Band Edge / Full RB



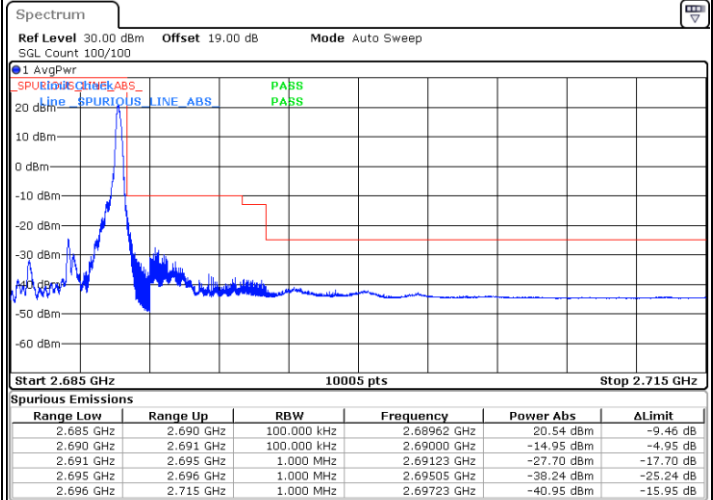


LTE Band 41 / 5MHz / 64QAM

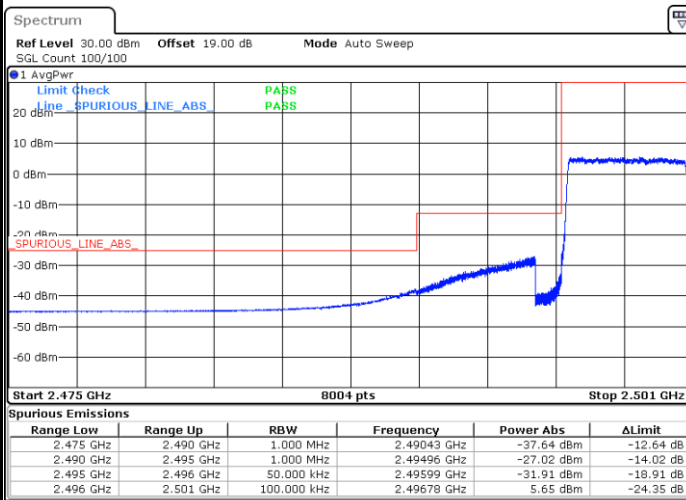
Lowest Band Edge / 1RB



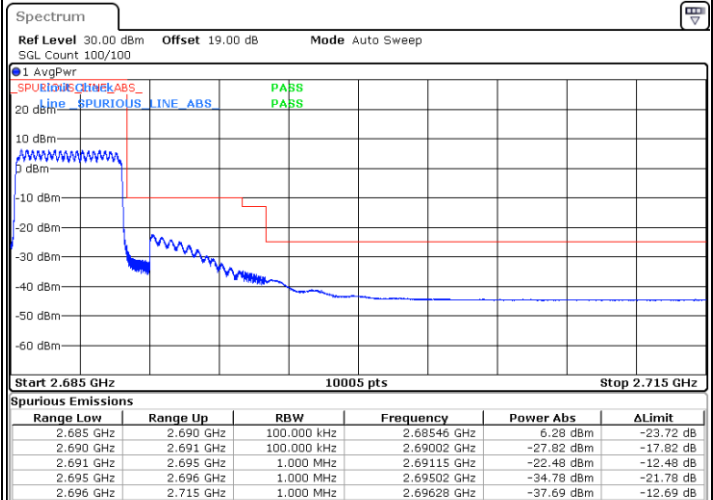
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



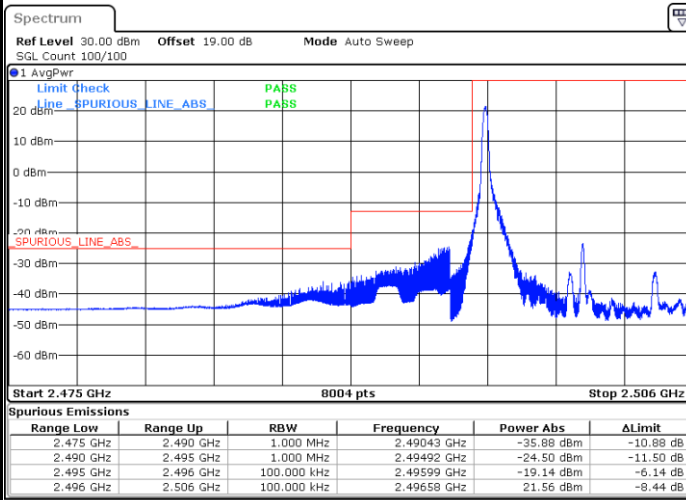
Highest Band Edge / Full RB



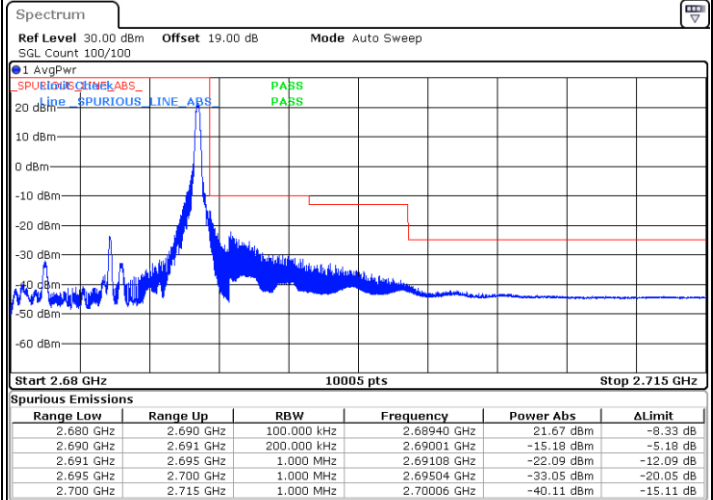


LTE Band 41 / 10MHz / QPSK

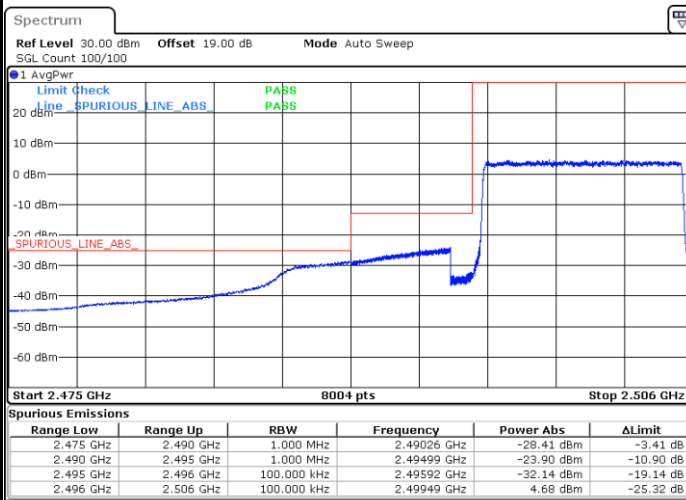
Lowest Band Edge / 1 RB



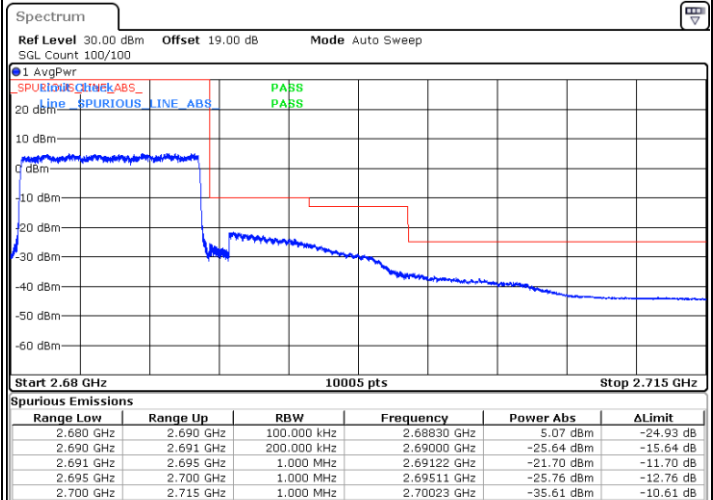
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



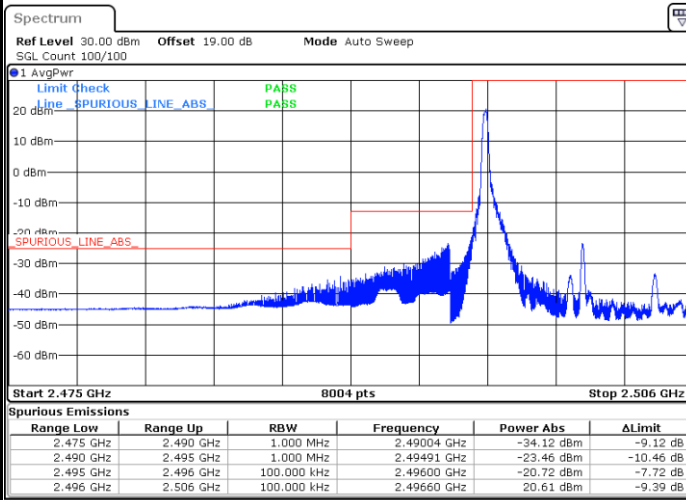
Highest Band Edge / Full RB



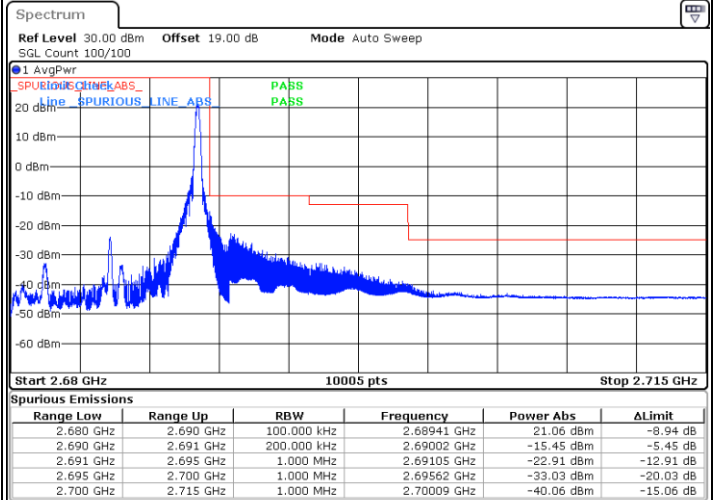


LTE Band 41 / 10MHz / 16QAM

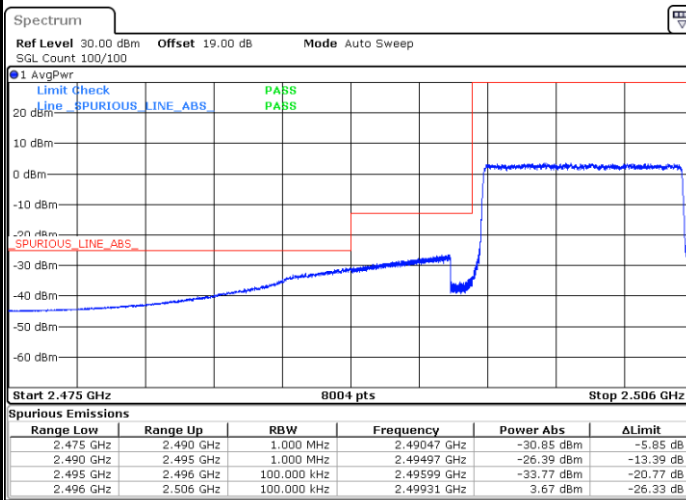
Lowest Band Edge / 1RB



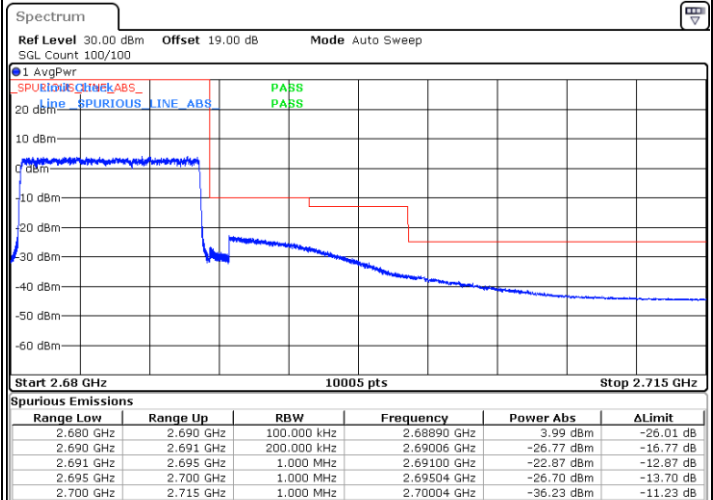
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



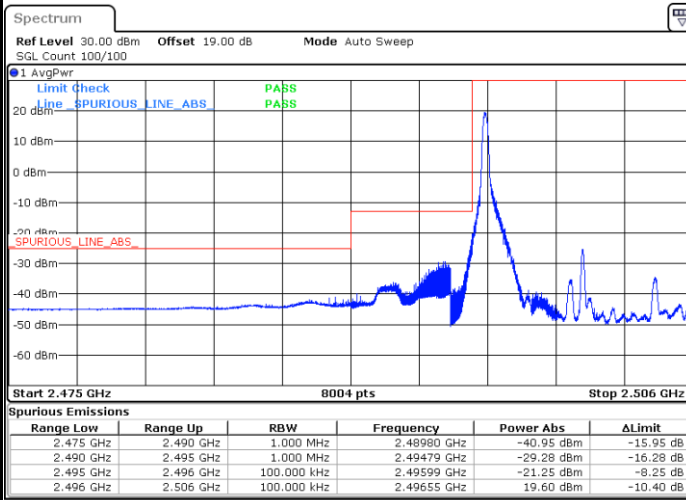
Highest Band Edge / Full RB



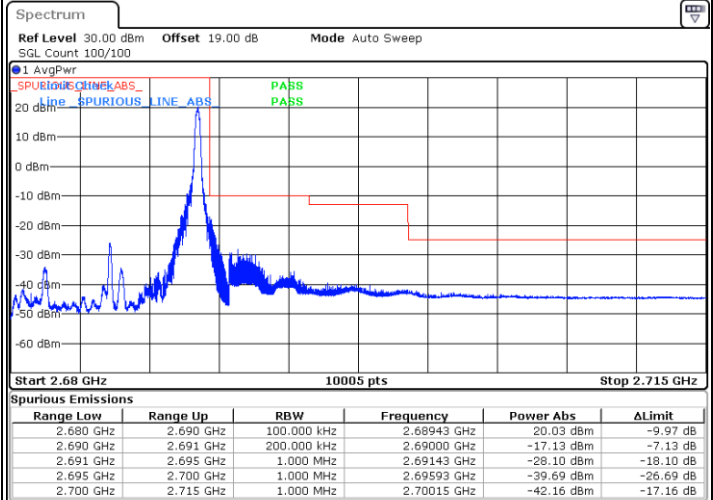


LTE Band 41 / 10MHz / 64QAM

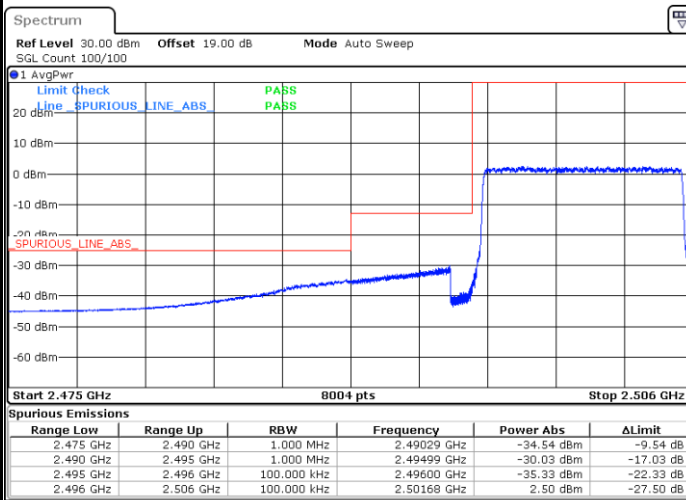
Lowest Band Edge / 1RB



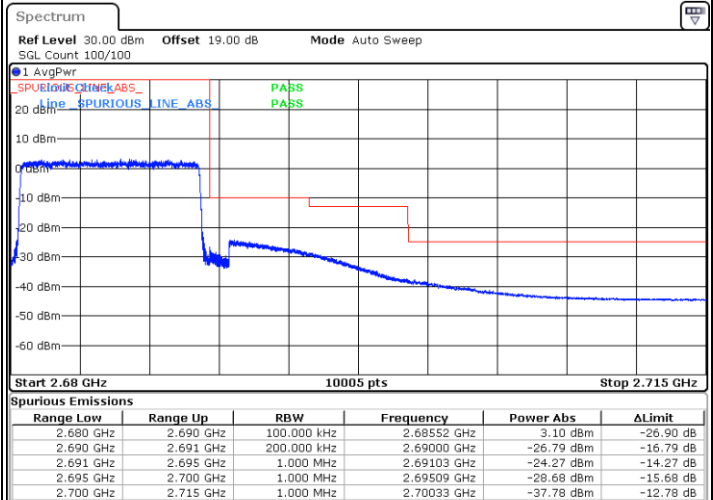
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



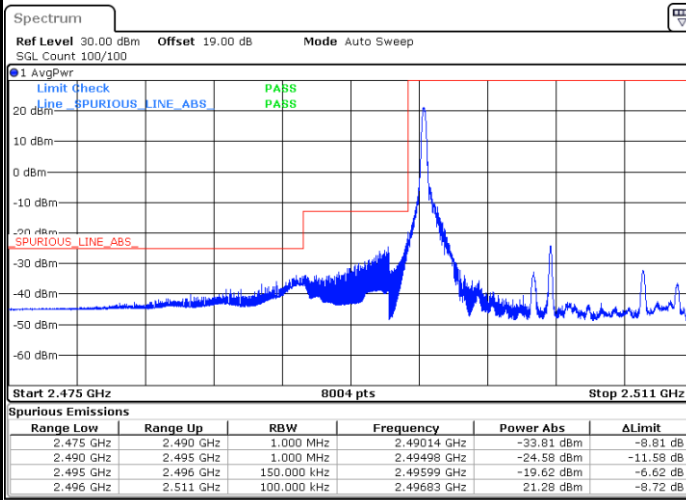
Highest Band Edge / Full RB



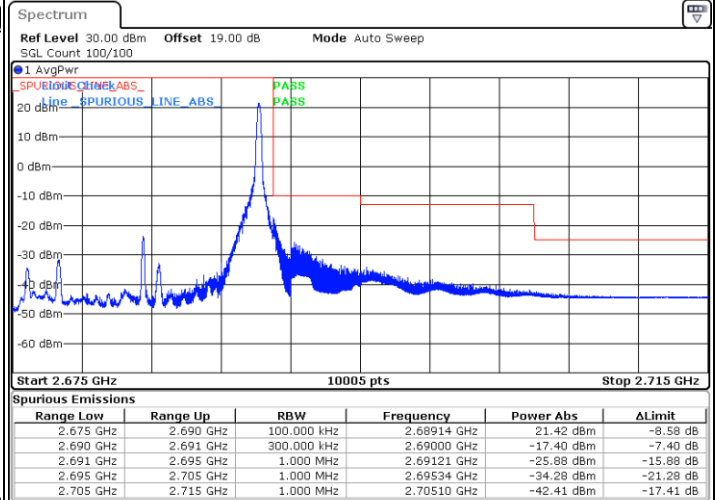


LTE Band 41 / 15MHz / QPSK

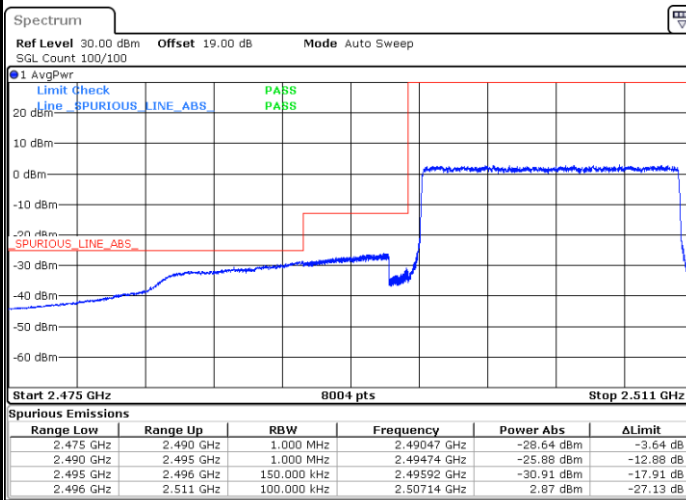
Lowest Band Edge / 1 RB



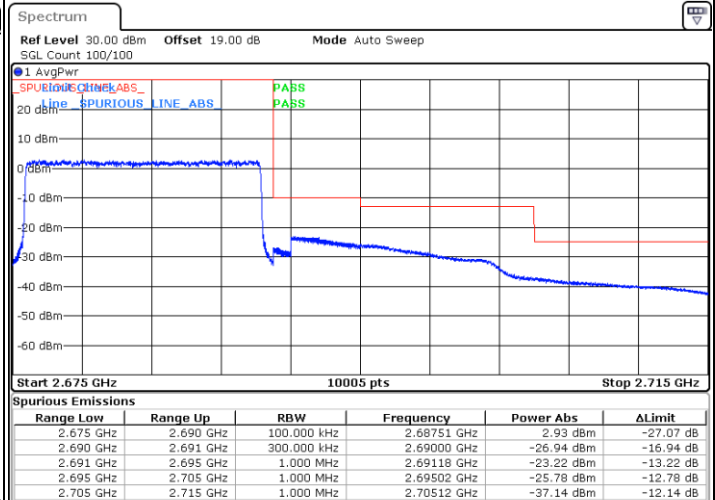
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



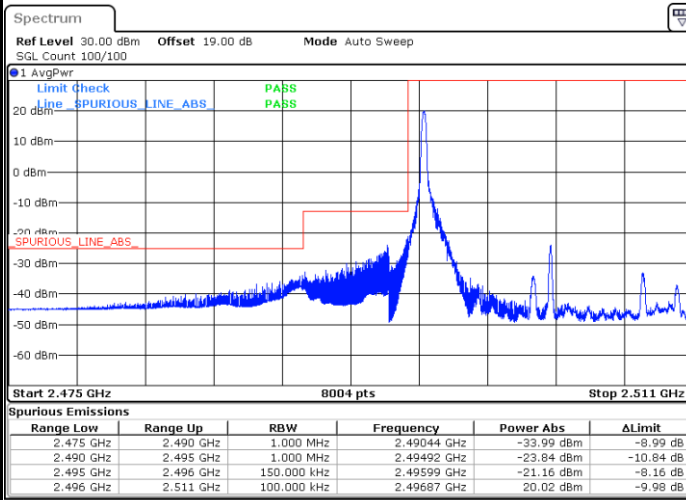
Highest Band Edge / Full RB



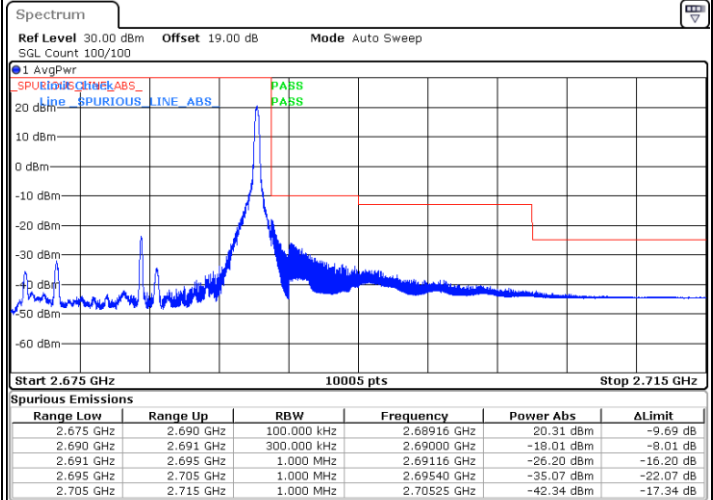


LTE Band 41 / 15MHz / 16QAM

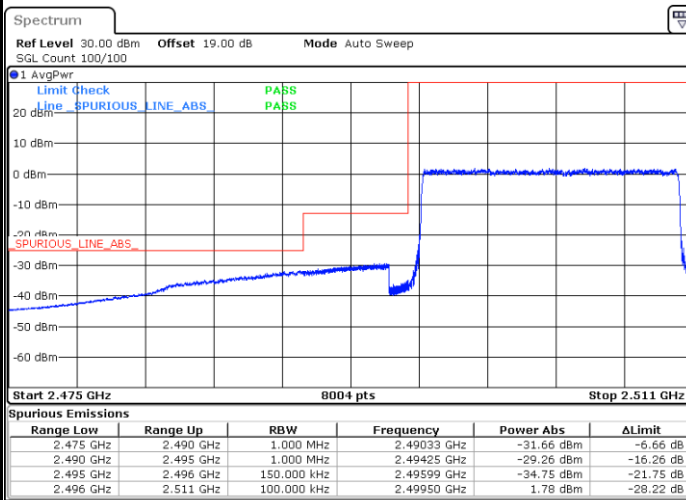
Lowest Band Edge / 1RB



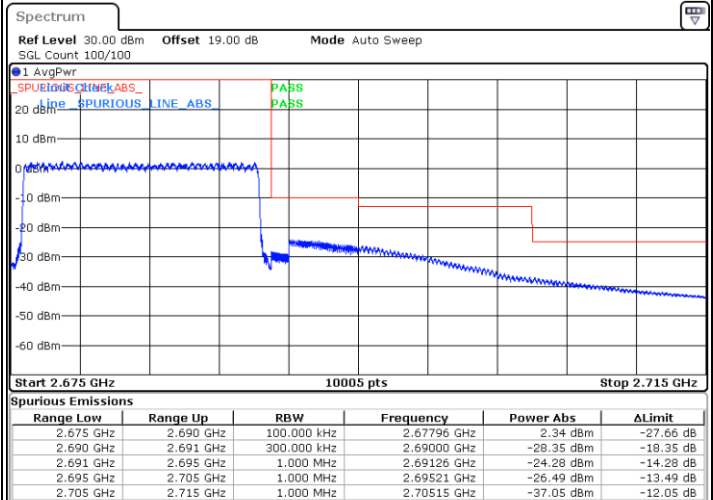
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



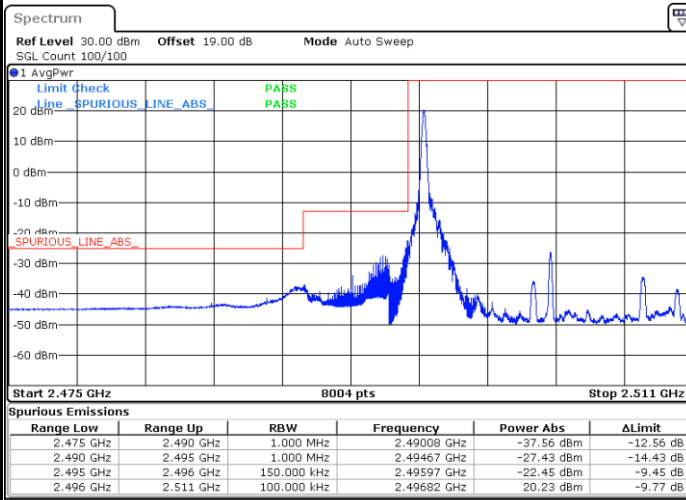
Highest Band Edge / Full RB





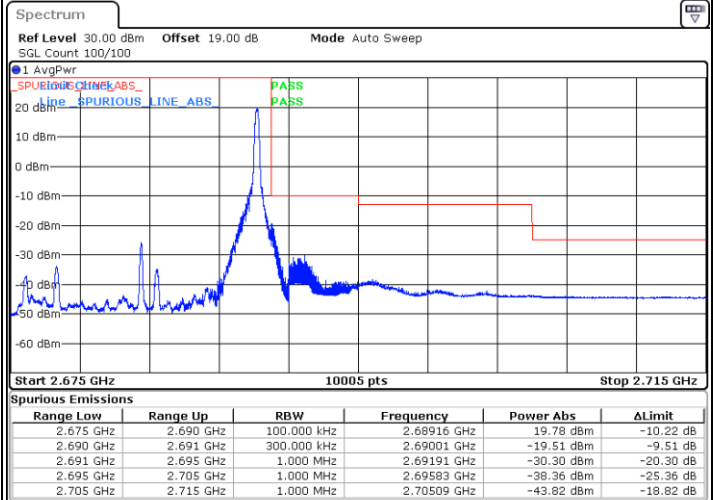
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1RB



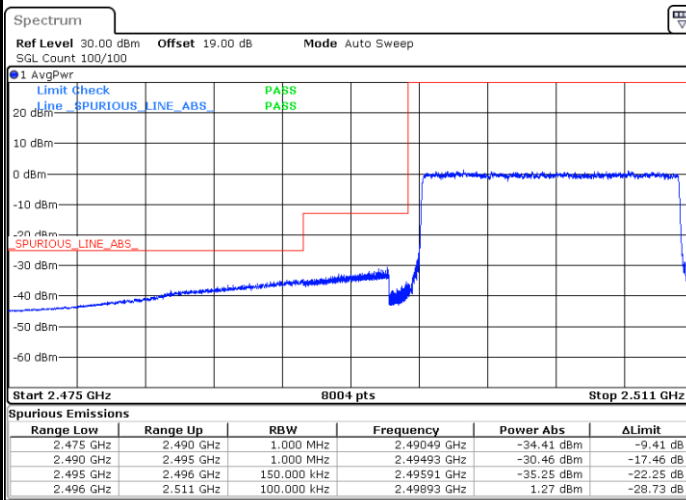
Date: 27 MAR 2024 17:31:51

Highest Band Edge / 1 RB



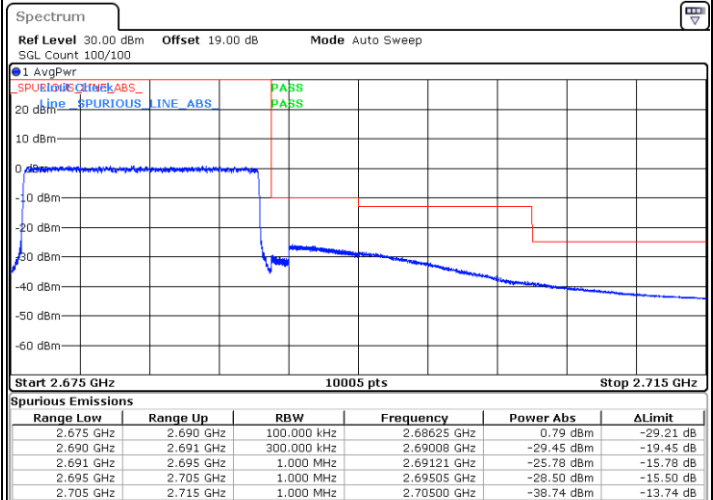
Date: 27 MAR 2024 17:41:05

Lowest Band Edge / Full RB



Date: 27 MAR 2024 17:32:43

Highest Band Edge / Full RB



Date: 27 MAR 2024 17:42:00