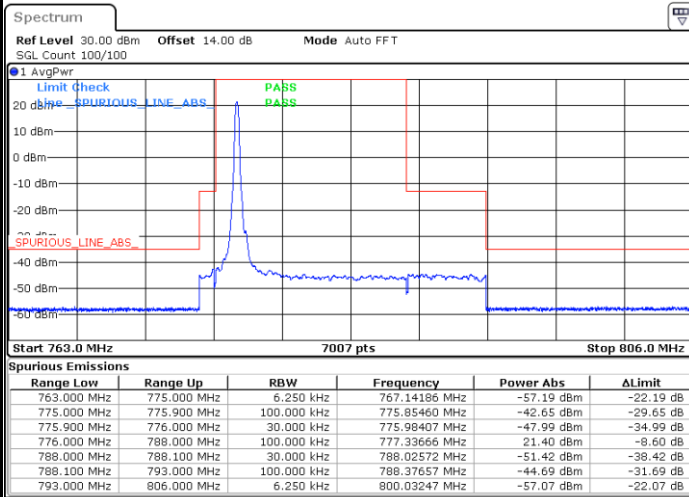




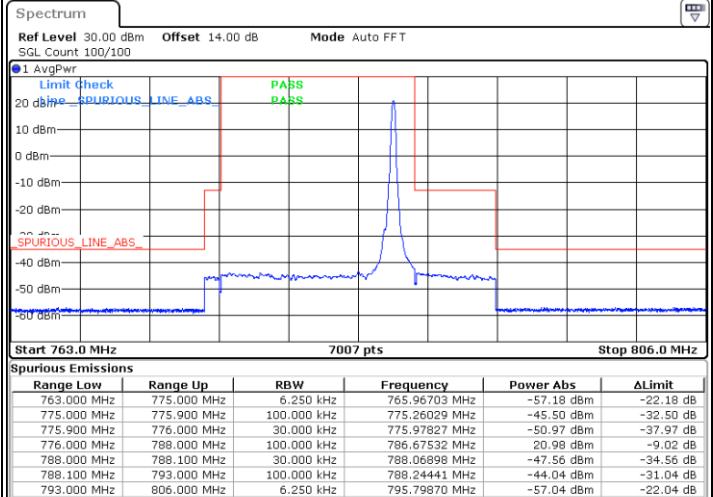
Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

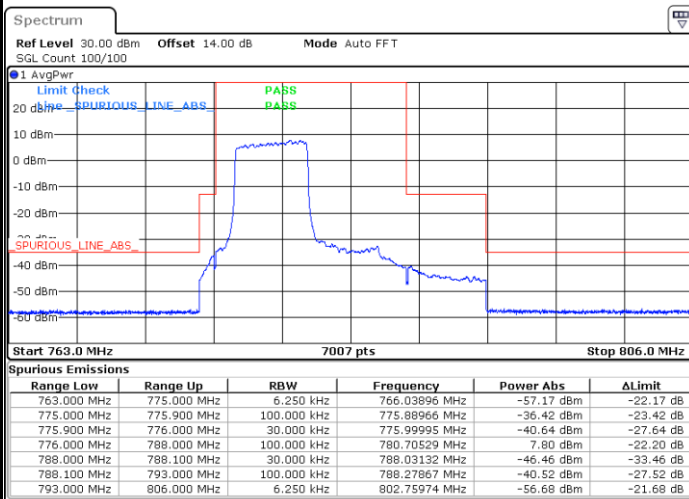
Lowest Band Edge / 1 RB



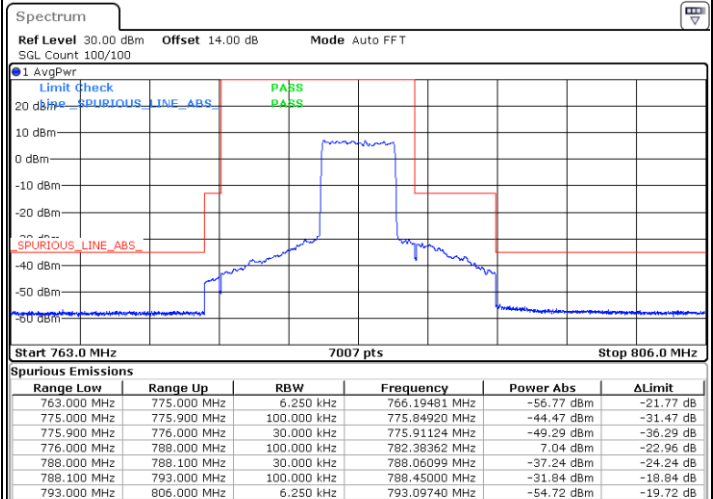
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



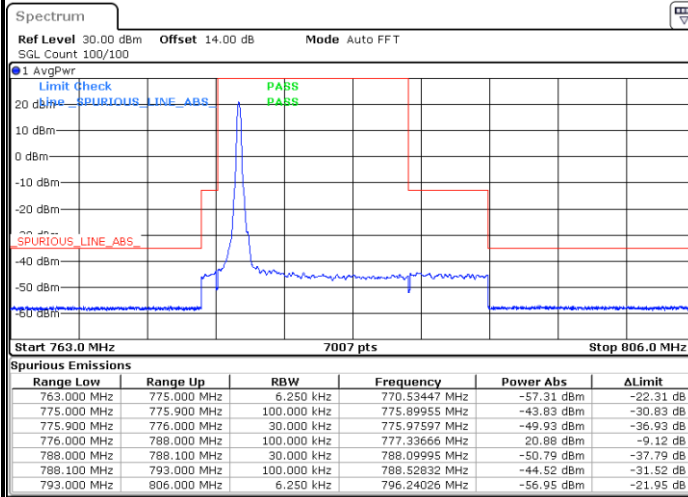
Highest Band Edge / Full RB





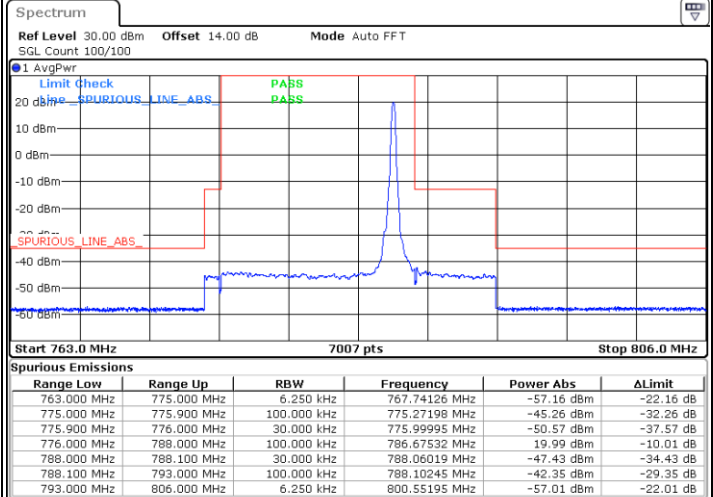
LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



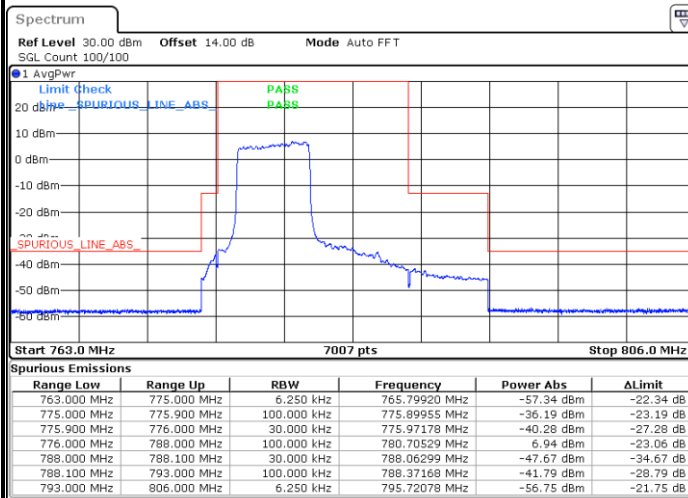
Date: 28.AUG.2024 10:23:53

Highest Band Edge / 1 RB



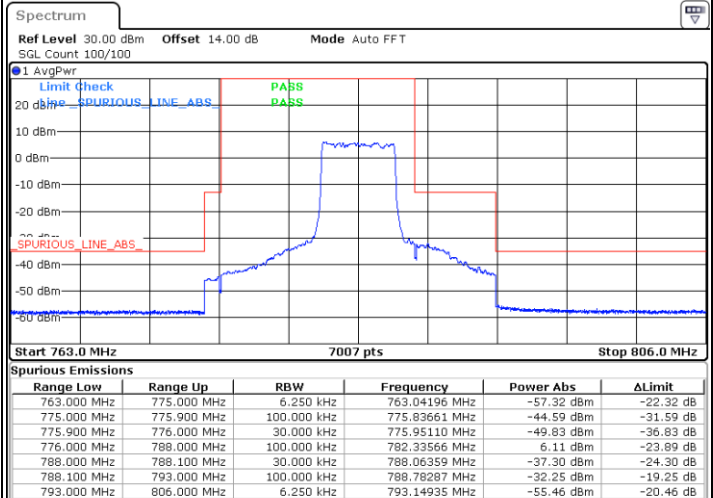
Date: 28.AUG.2024 10:32:37

Lowest Band Edge / Full RB



Date: 28.AUG.2024 10:26:05

Highest Band Edge / Full RB

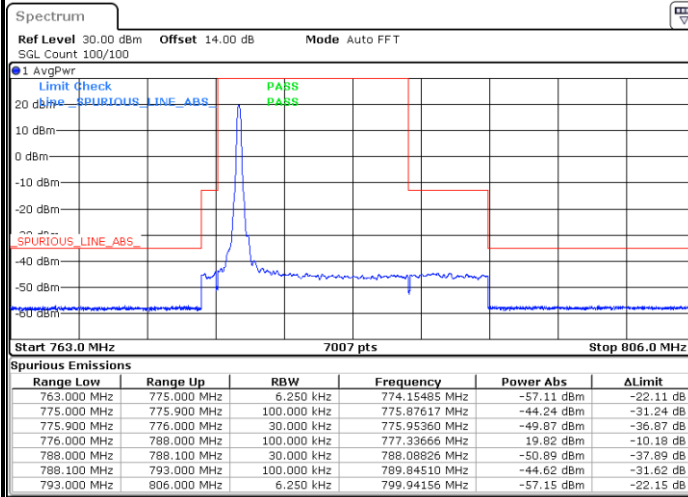


Date: 28.AUG.2024 10:34:49



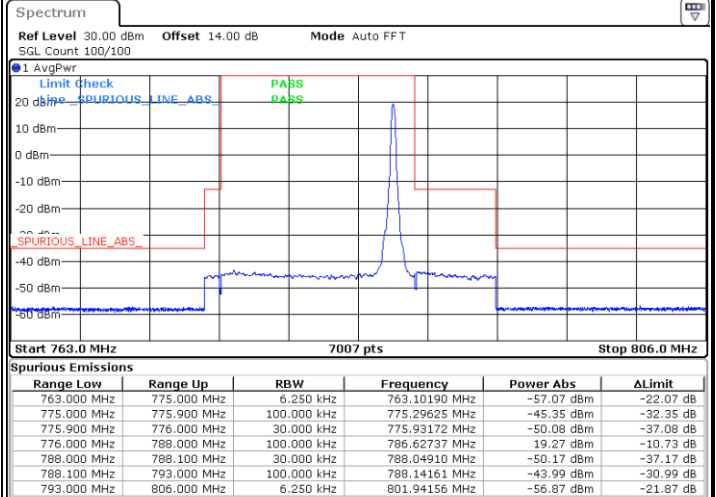
LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



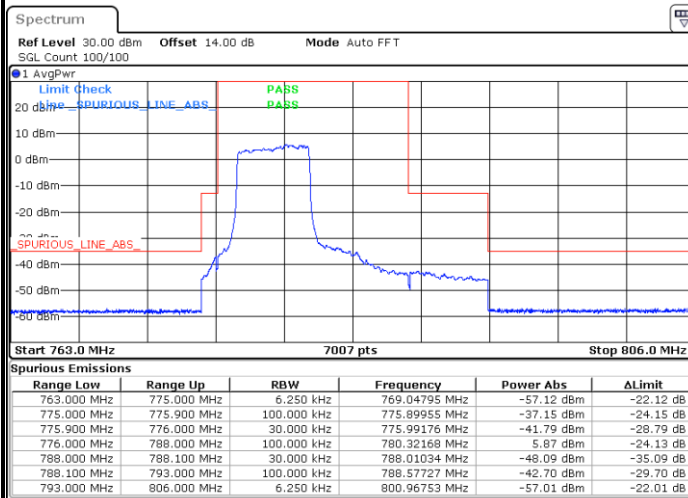
Date: 28.AUG.2024 10:24:37

Highest Band Edge / 1 RB



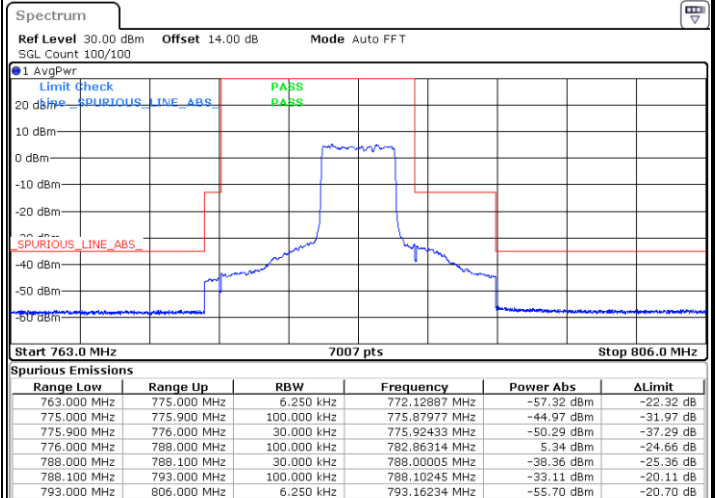
Date: 28.AUG.2024 10:33:21

Lowest Band Edge / Full RB



Date: 28.AUG.2024 10:26:49

Highest Band Edge / Full RB

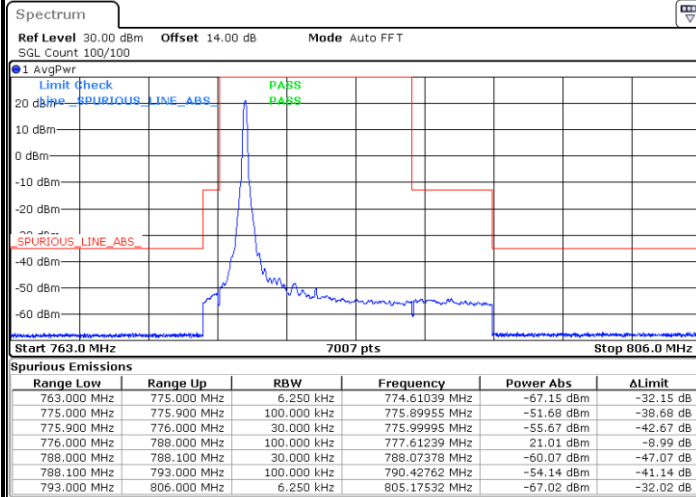


Date: 28.AUG.2024 10:35:33



LTE Band 13 / 10MHz / QPSK

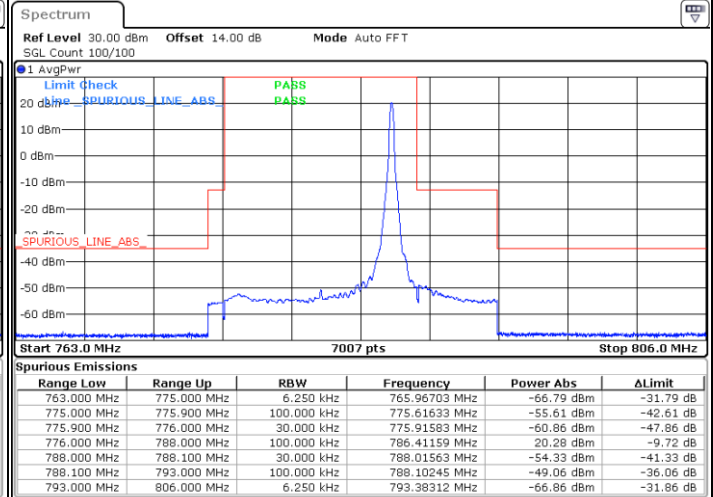
Band Edge / 1 RB



Date: 28.AUG.2024 10:45:56

LTE Band 13 / 10MHz / QPSK

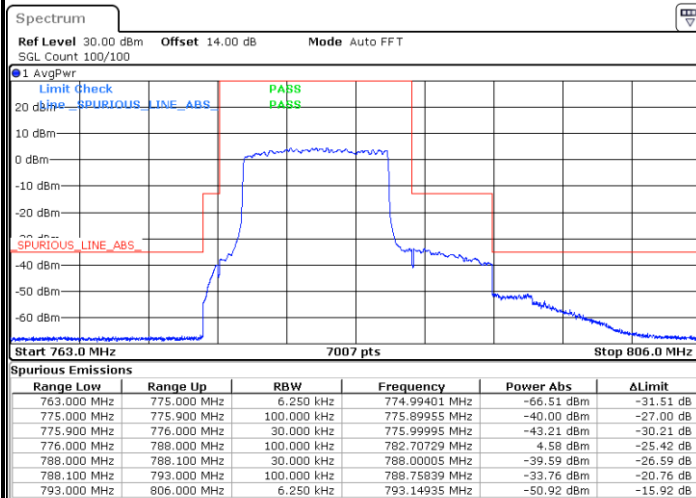
Band Edge / 1 RB



Date: 28.AUG.2024 10:48:20

LTE Band 13 / 10MHz / QPSK

Band Edge / Full RB



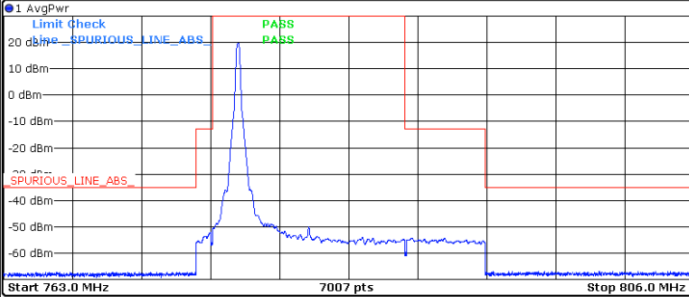
Date: 28.AUG.2024 10:50:45



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

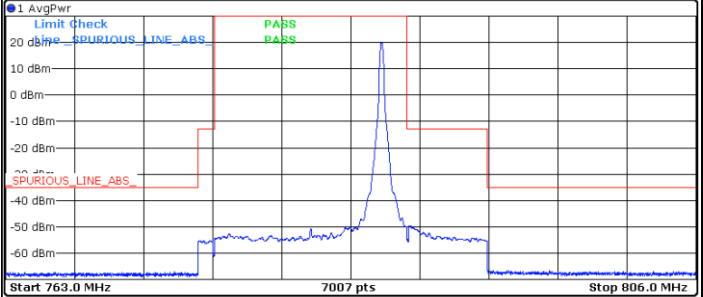
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	766.27872 MHz	-67.24 dBm	-32.24 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-51.97 dBm	-38.97 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96888 MHz	-55.93 dBm	-42.93 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.60040 MHz	19.86 dBm	-10.14 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02842 MHz	-59.80 dBm	-46.80 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.41573 MHz	-54.26 dBm	-41.26 dB
793.000 MHz	806.000 MHz	6.250 kHz	804.35714 MHz	-66.90 dBm	-31.90 dB

Date: 28.AUG.2024 10:46:44

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

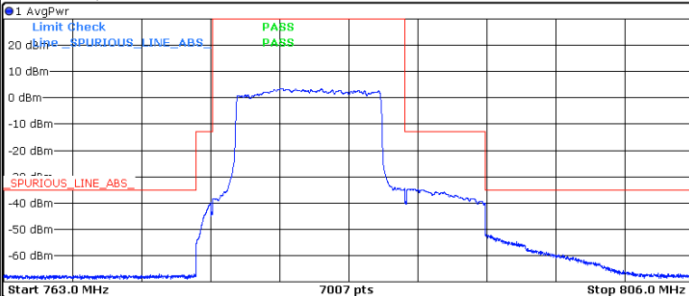
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.51948 MHz	-67.13 dBm	-32.13 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.08407 MHz	-55.24 dBm	-42.24 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.90005 MHz	-60.59 dBm	-47.59 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.41159 MHz	19.89 dBm	-10.11 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02173 MHz	-54.60 dBm	-41.60 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.22483 MHz	-49.73 dBm	-36.73 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.34416 MHz	-66.59 dBm	-31.59 dB

Date: 28.AUG.2024 10:49:08

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

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.87413 MHz	-67.11 dBm	-32.11 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-39.83 dBm	-26.83 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.95589 MHz	-43.47 dBm	-30.47 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.26174 MHz	3.45 dBm	-26.55 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01204 MHz	-39.59 dBm	-26.59 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.58217 MHz	-34.67 dBm	-21.67 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.04545 MHz	-52.13 dBm	-17.13 dB

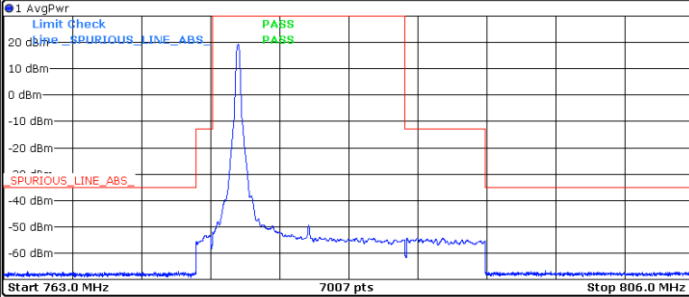
Date: 28.AUG.2024 10:51:33



LTE Band 13 / 10MHz / 64QAM

Band Edge / 1 RB

Spectrum

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

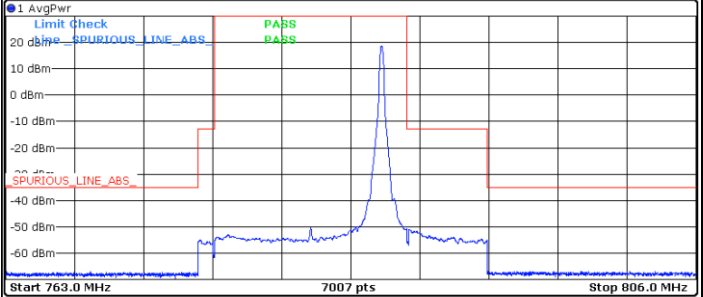
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.86713 MHz	-67.16 dBm	-32.16 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.57048 MHz	-53.37 dBm	-40.37 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99995 MHz	-56.60 dBm	-43.60 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.60040 MHz	-19.24 dBm	-10.76 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09995 MHz	-60.37 dBm	-47.37 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.76329 MHz	-54.29 dBm	-41.29 dB
793.000 MHz	806.000 MHz	6.250 kHz	796.74675 MHz	-66.83 dBm	-31.83 dB

Date: 28.AUG.2024 10:47:32

LTE Band 13 / 10MHz / 64QAM

Band Edge / 1 RB

Spectrum

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

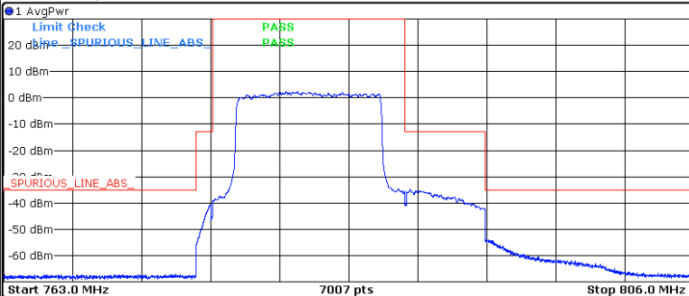
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	763.07792 MHz	-67.02 dBm	-32.02 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.12992 MHz	-55.17 dBm	-42.17 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.91374 MHz	-60.18 dBm	-47.18 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.41159 MHz	-18.57 dBm	-11.43 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01424 MHz	-55.75 dBm	-42.75 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10245 MHz	-51.00 dBm	-38.00 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.83766 MHz	-66.98 dBm	-31.98 dB

Date: 28.AUG.2024 10:49:57

LTE Band 13 / 10MHz / 64QAM

Band Edge / Full RB

Spectrum

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

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.71129 MHz	-67.01 dBm	-32.01 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-40.65 dBm	-27.65 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99995 MHz	-45.21 dBm	-32.21 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.18981 MHz	2.51 dBm	-27.49 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04071 MHz	-40.04 dBm	-27.04 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.31783 MHz	-34.93 dBm	-21.93 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.03247 MHz	-53.96 dBm	-18.96 dB

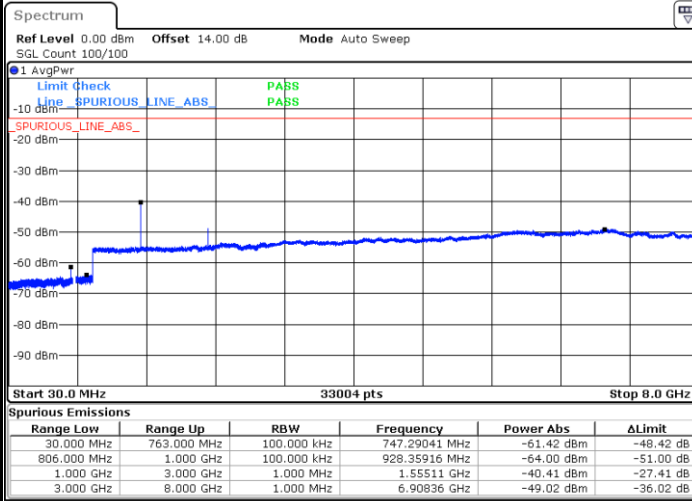
Date: 28.AUG.2024 10:52:21



Conducted Spurious Emission

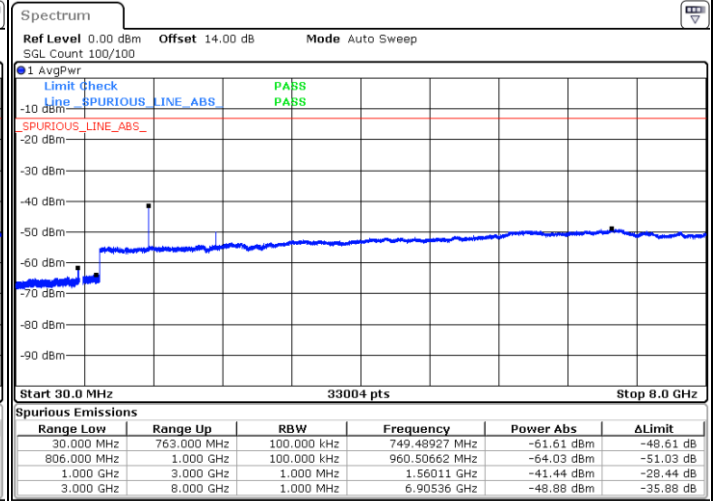
LTE Band 13 / 5MHz

Lowest Channel / QPSK



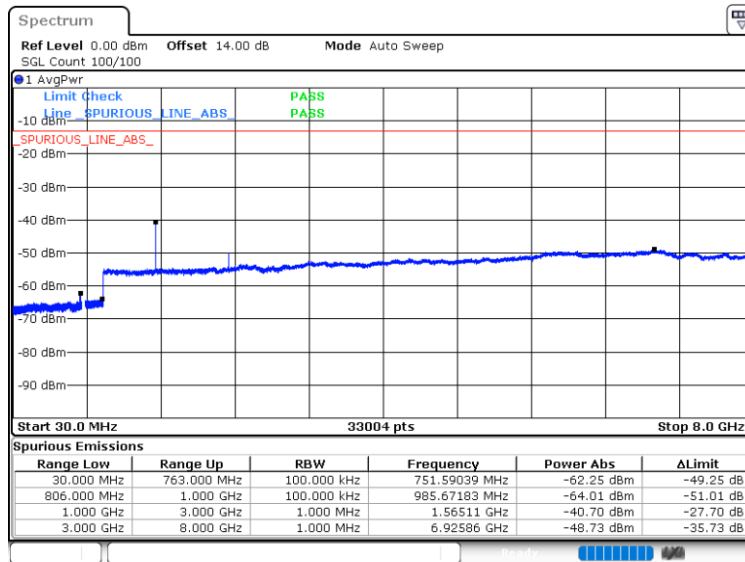
Date: 28.AUG.2024 10:28:17

Middle Channel / QPSK



Date: 28.AUG.2024 10:29:44

Highest Channel / QPSK

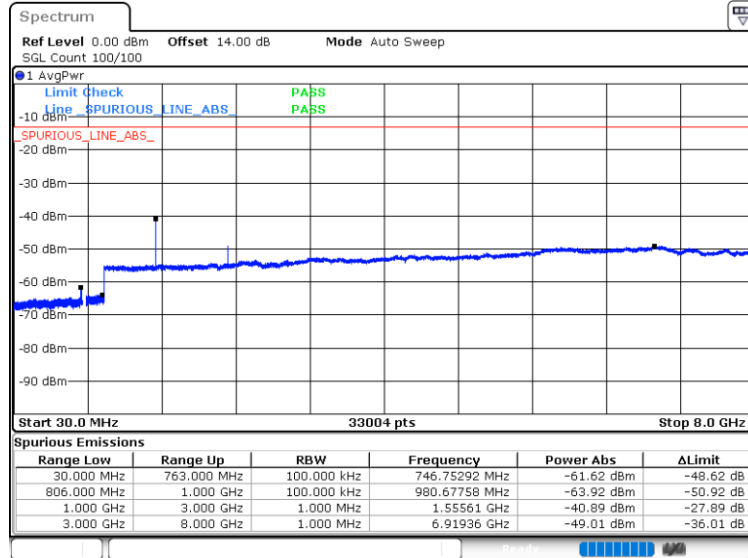


Date: 28.AUG.2024 10:37:01



LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 28.AUG.2024 10:53:34

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	0.0004	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0114	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0101	

Note:

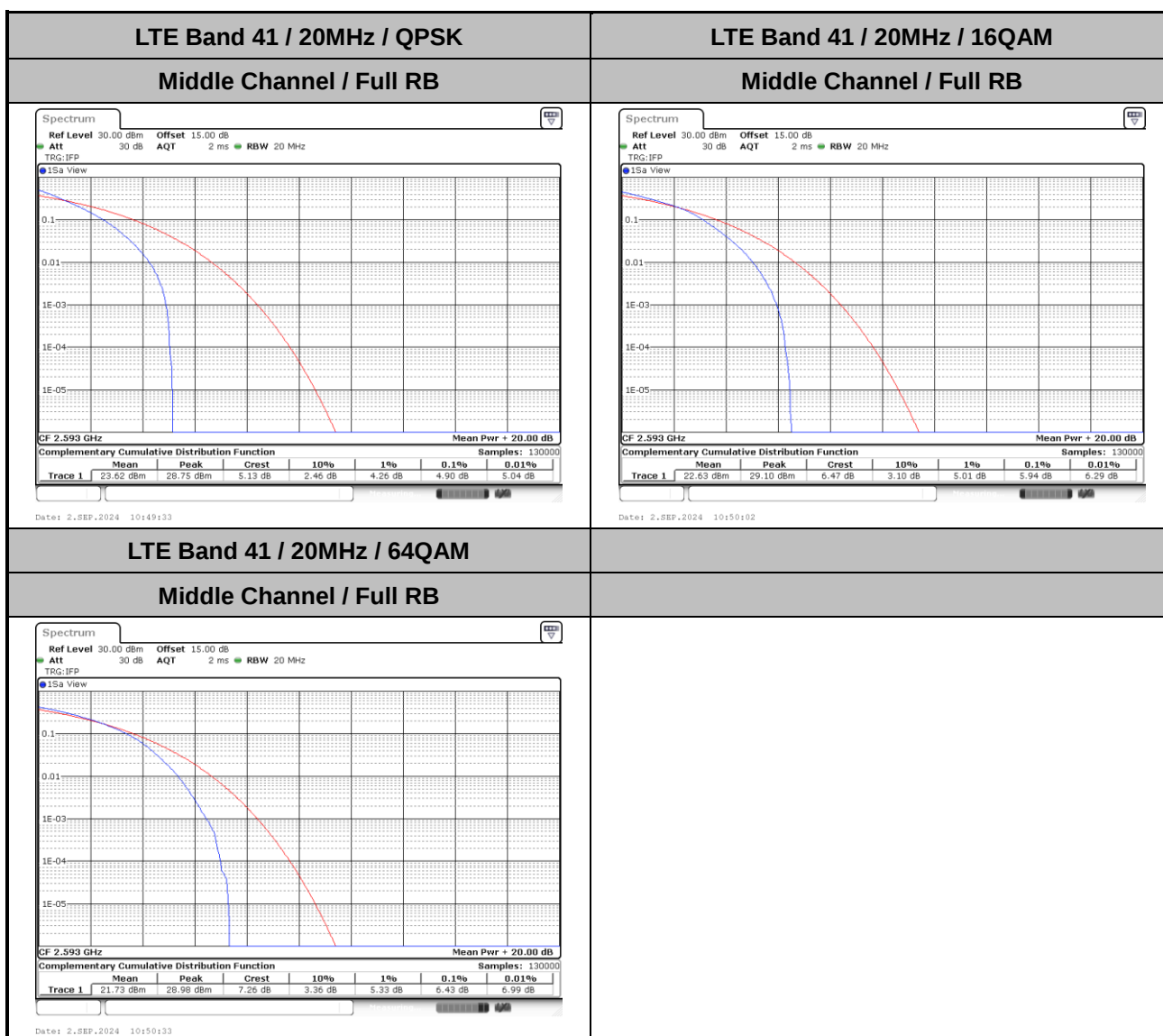
1. Normal Voltage =3.8 V. ; Minimum Voltage=3.4 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



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	4.90	5.94	6.43	PASS



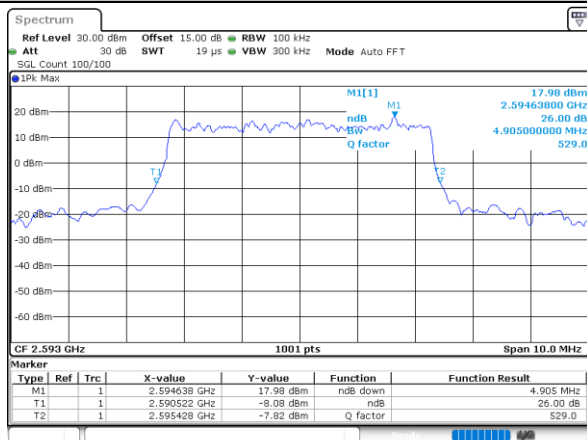


26dB Bandwidth

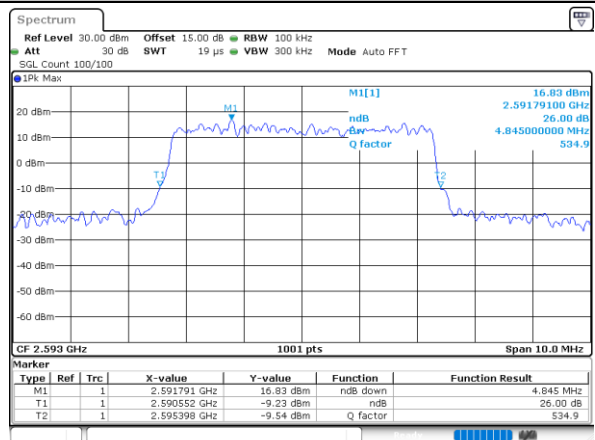
Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.91	4.85	10.01	9.69	14.75	14.30	18.94	19.38

LTE Band 41

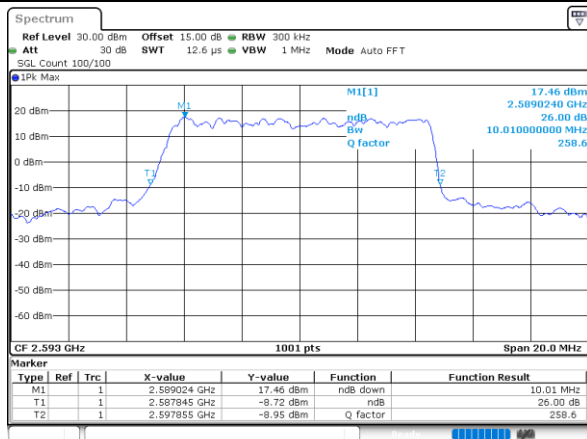
Middle Channel / 5MHz / QPSK



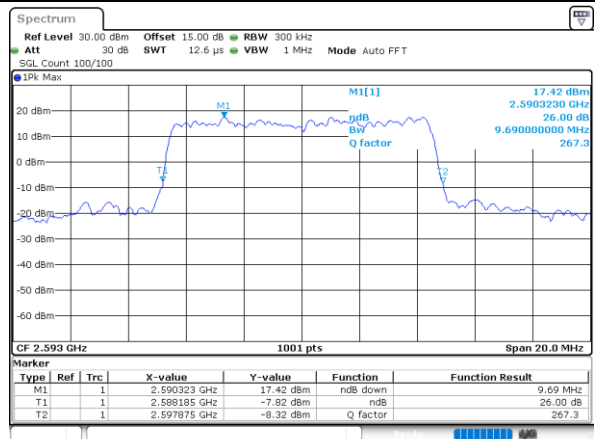
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK

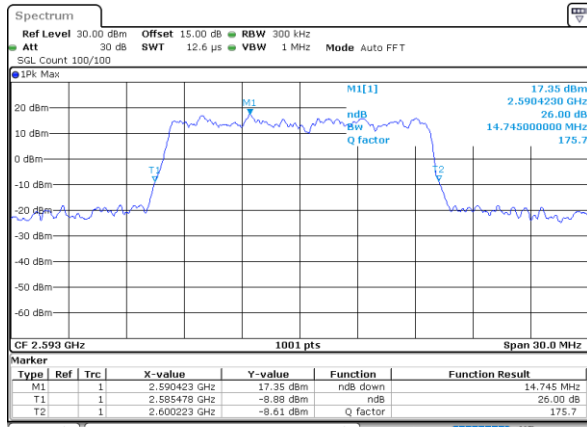


Middle Channel / 10MHz / 16QAM



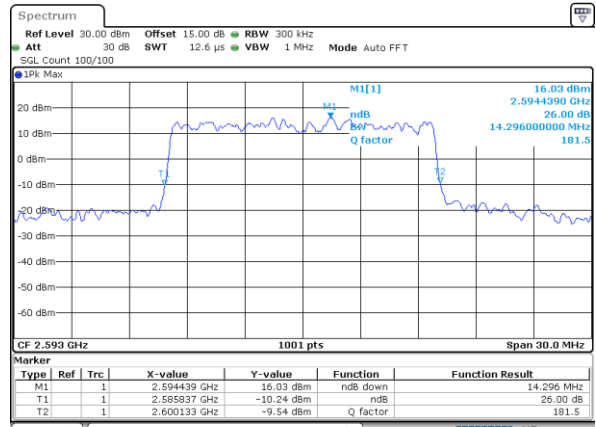


Middle Channel / 15MHz / QPSK



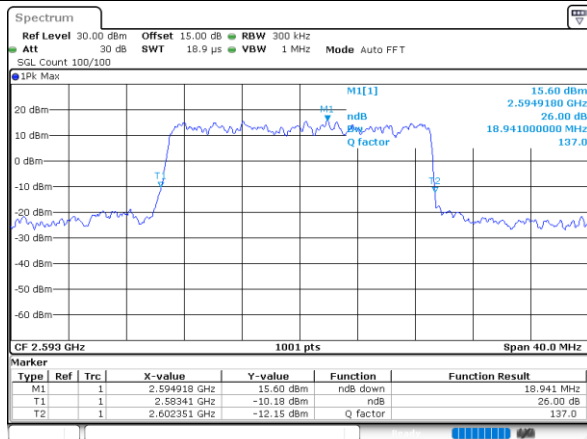
Date: 2,SEP,2024 10:31:12

Middle Channel / 15MHz / 16QAM



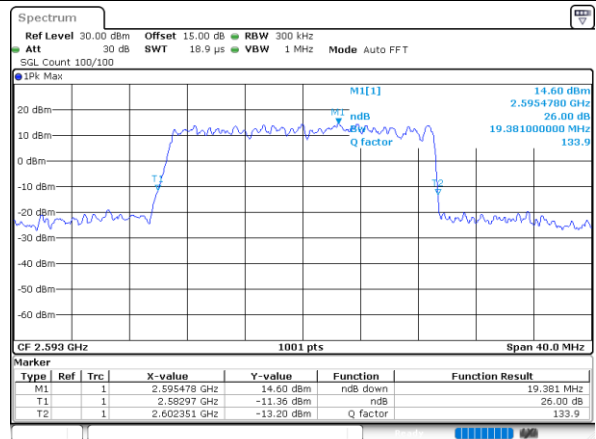
Date: 2,SEP,2024 10:31:55

Middle Channel / 20MHz / QPSK



Date: 2,SEP,2024 10:48:20

Middle Channel / 20MHz / 16QAM



Date: 2,SEP,2024 10:48:03

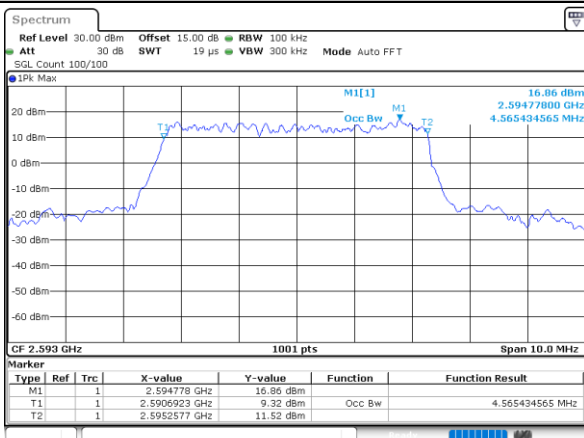


Occupied Bandwidth

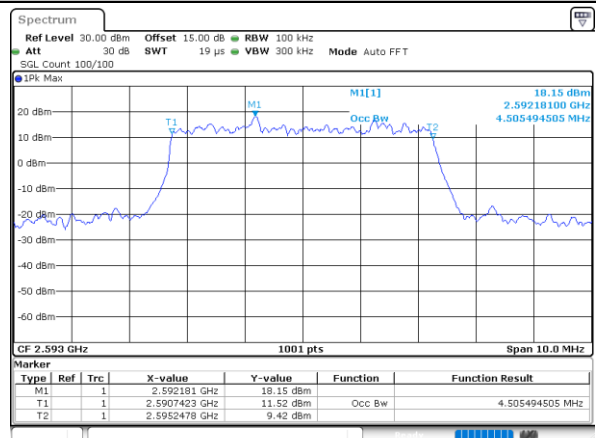
Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.57	4.51	9.03	9.05	13.43	13.46	17.86	17.94

LTE Band 41

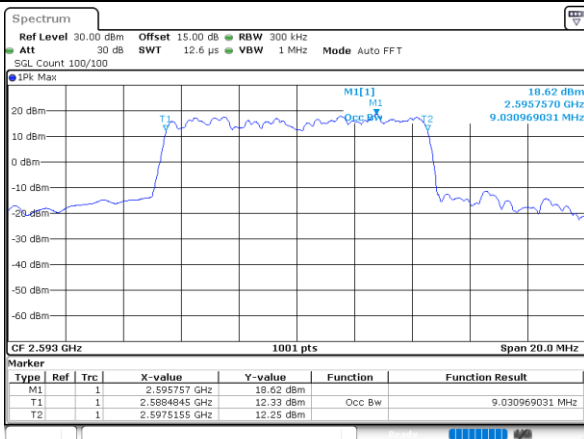
Middle Channel / 5MHz / QPSK



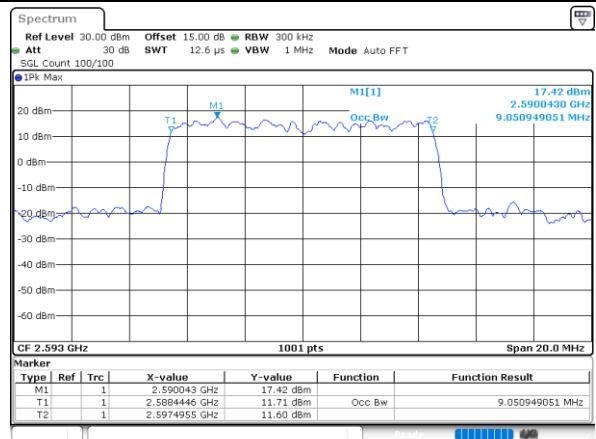
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK

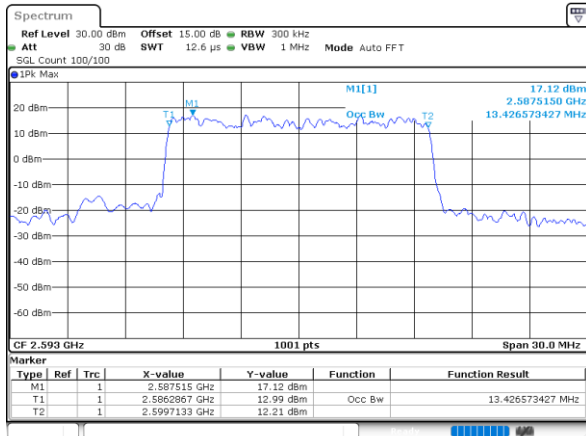


Middle Channel / 10MHz / 16QAM



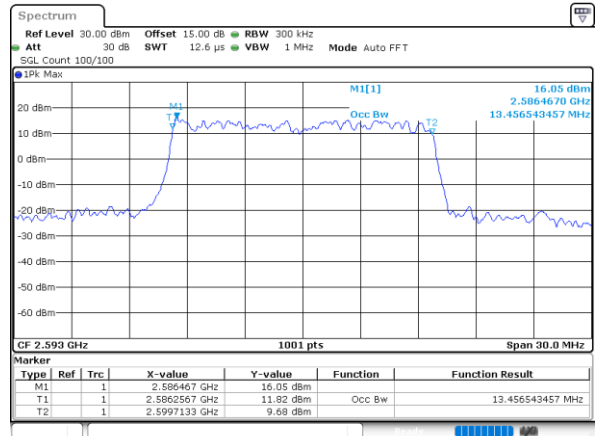


Middle Channel / 15MHz / QPSK



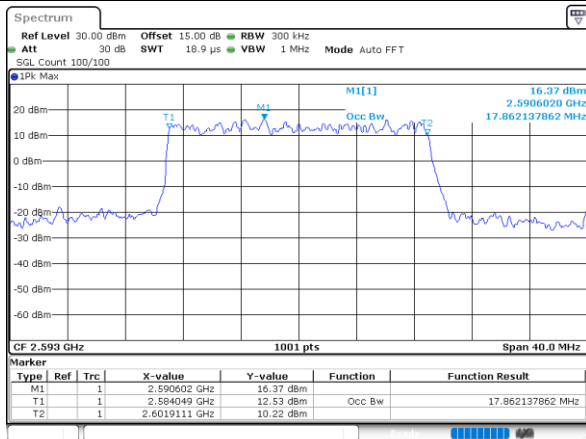
Date: 2,SEP,2024 10:30:58

Middle Channel / 15MHz / 16QAM



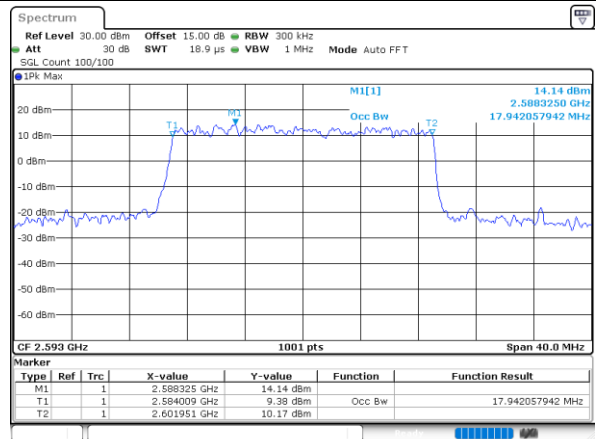
Date: 2,SEP,2024 10:31:41

Middle Channel / 20MHz / QPSK



Date: 2,SEP,2024 10:48:06

Middle Channel / 20MHz / 16QAM



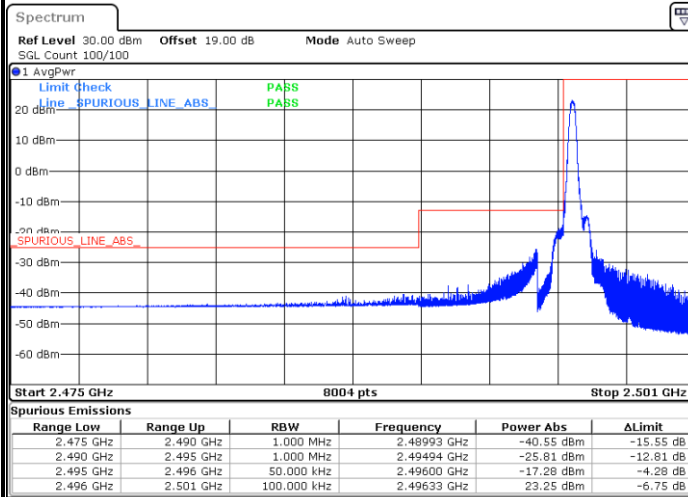
Date: 2,SEP,2024 10:48:49



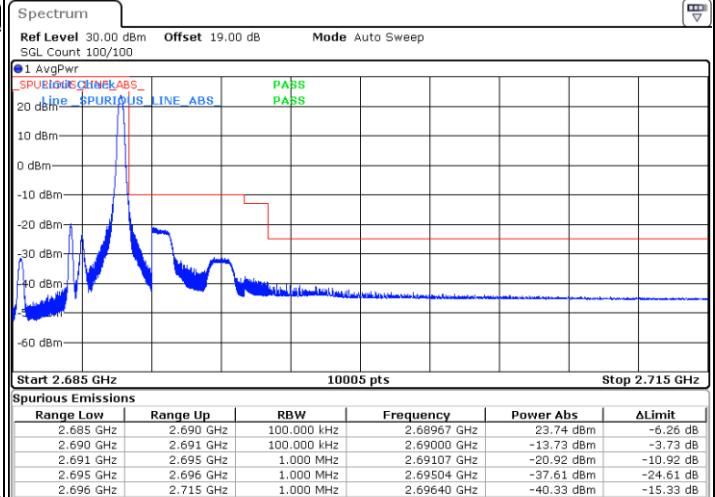
Conducted Band Edge

LTE Band 41 / 5MHz / QPSK

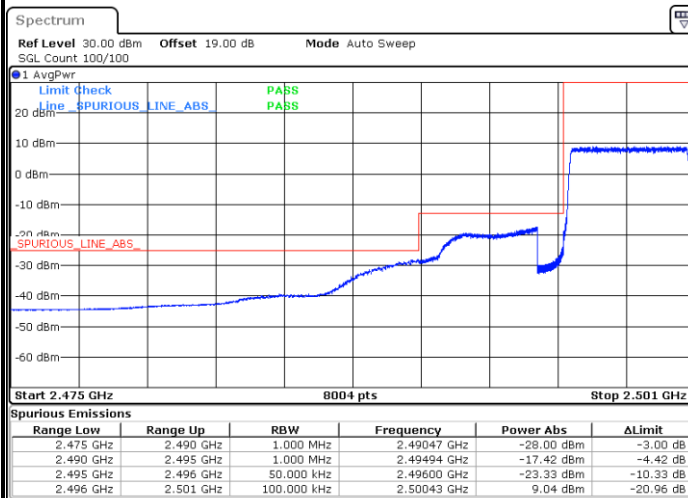
Lowest Band Edge / 1 RB



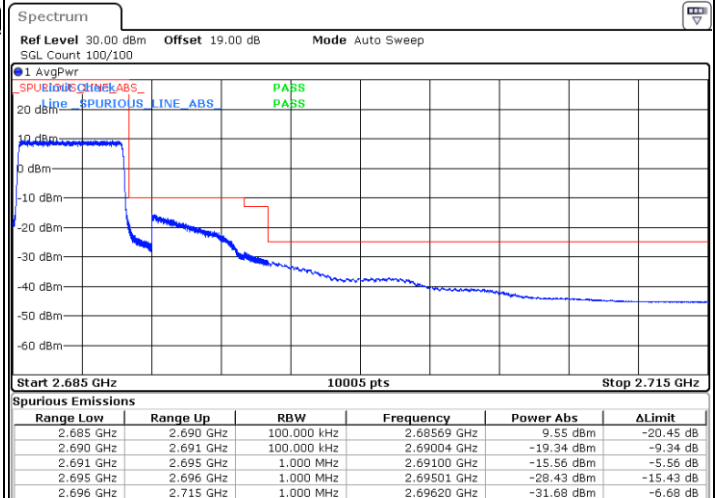
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



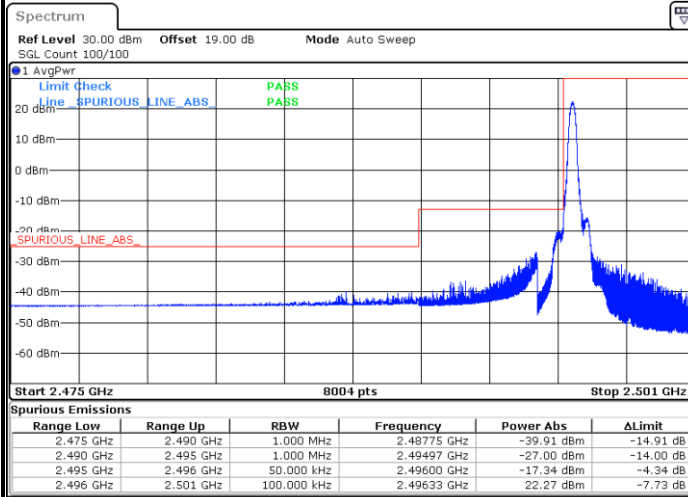
Highest Band Edge / Full RB



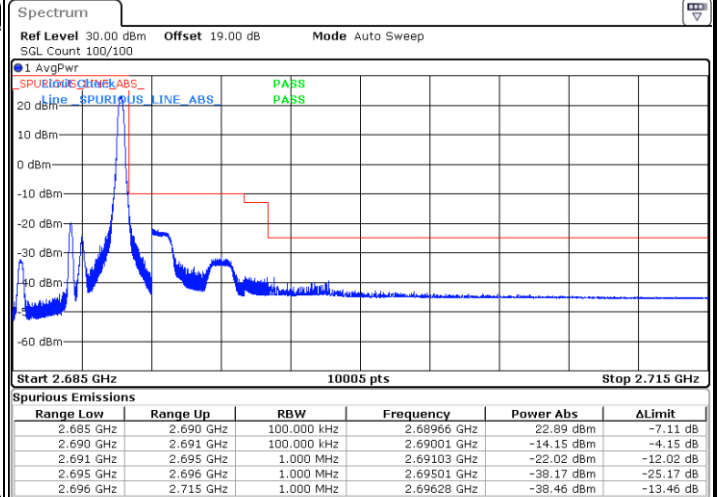


LTE Band 41 / 5MHz / 16QAM

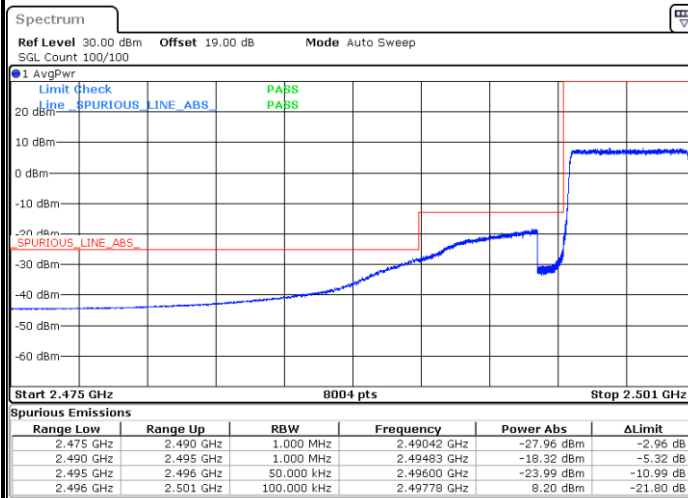
Lowest Band Edge / 1RB



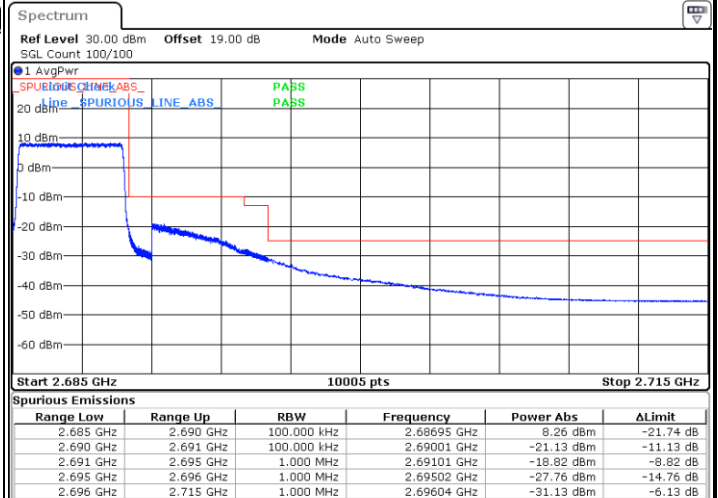
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



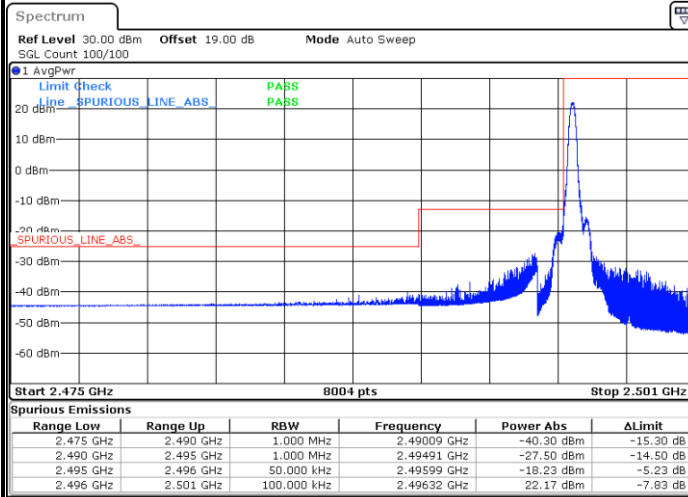
Highest Band Edge / Full RB





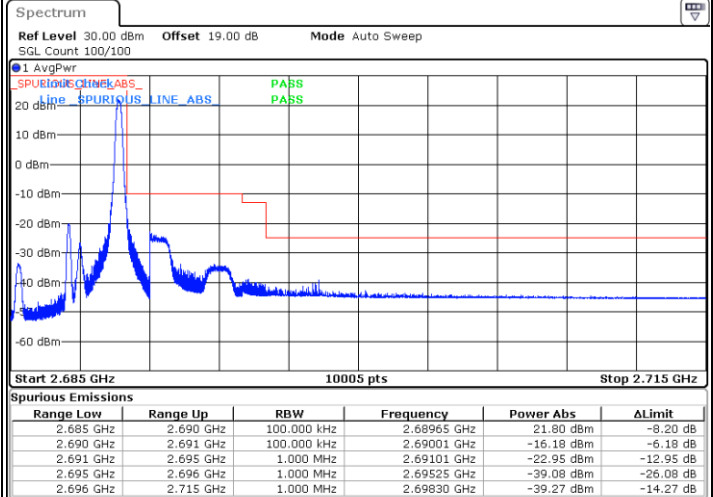
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



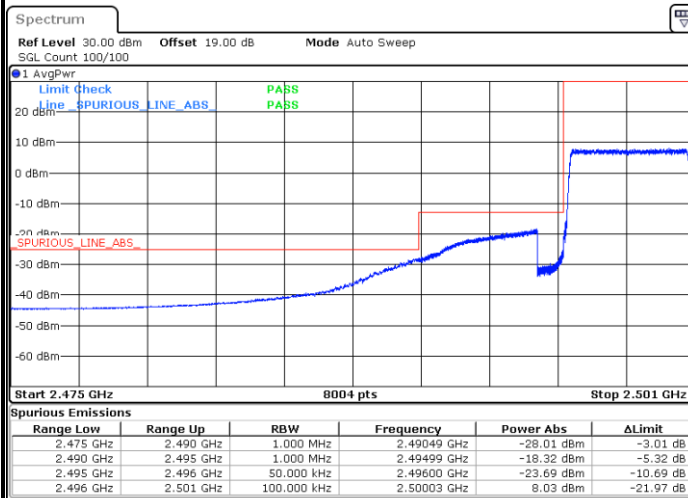
Date: 2.SEP.2024 09:11:31

Highest Band Edge / 1 RB



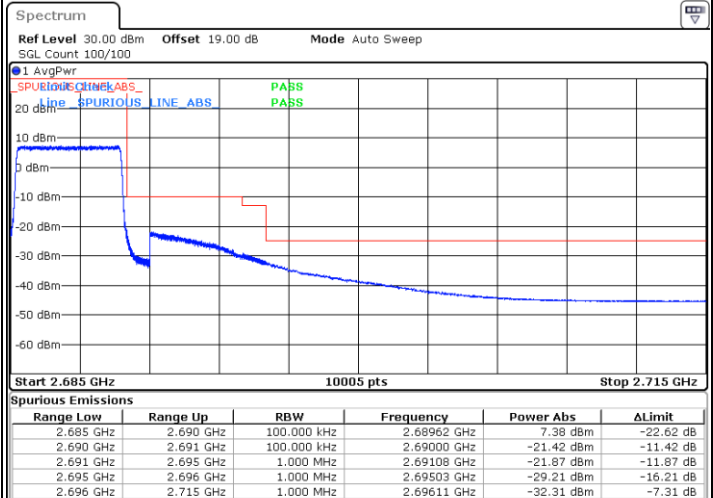
Date: 2.SEP.2024 13:18:31

Lowest Band Edge / Full RB



Date: 2.SEP.2024 09:12:29

Highest Band Edge / Full RB

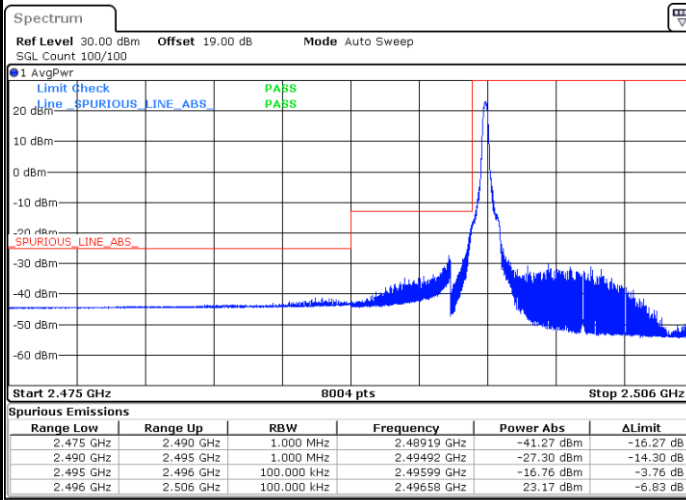


Date: 2.SEP.2024 13:14:54

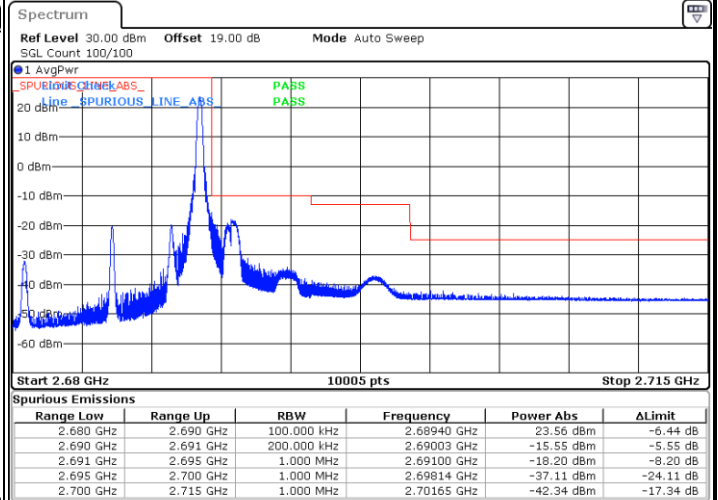


LTE Band 41 / 10MHz / QPSK

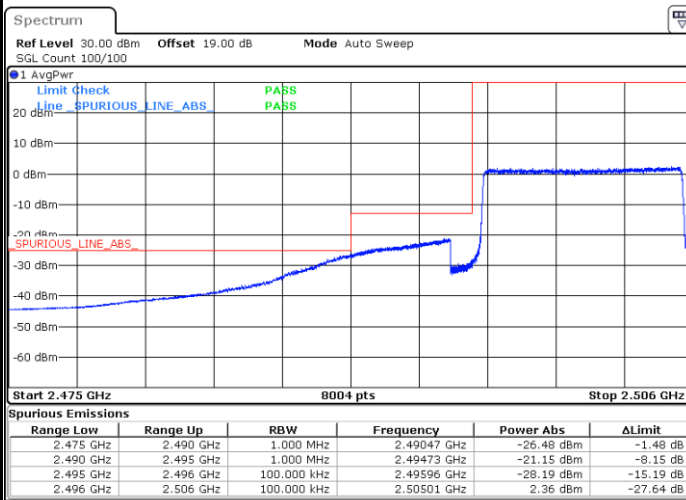
Lowest Band Edge / 1 RB



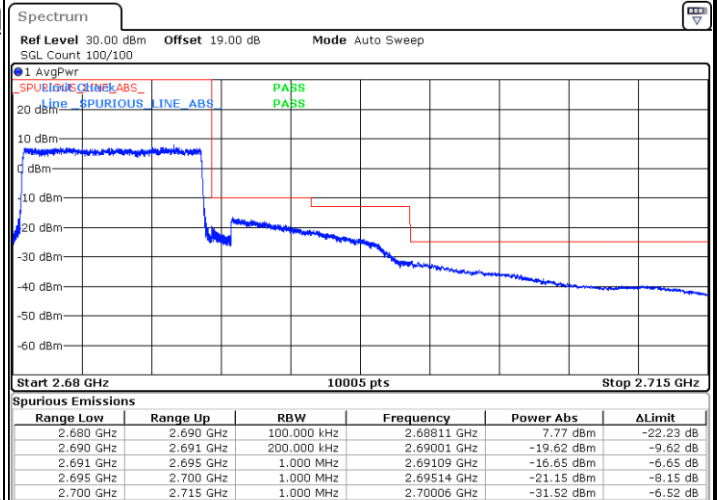
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



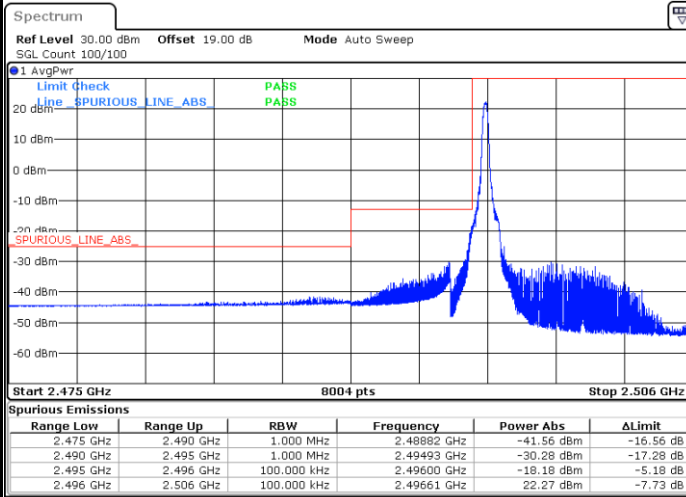
Highest Band Edge / Full RB



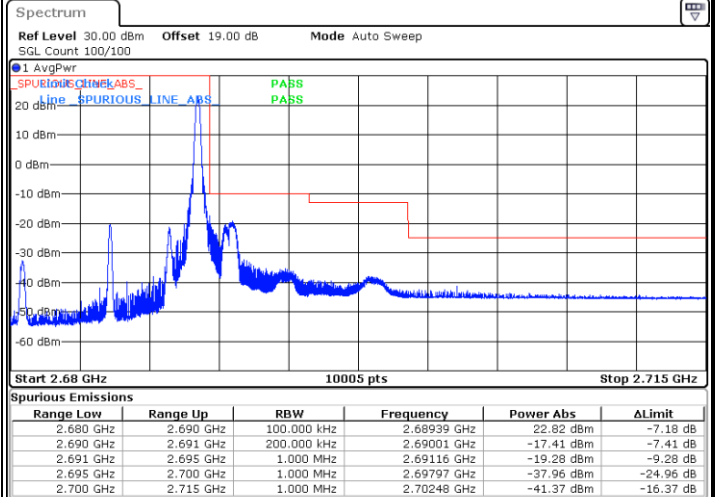


LTE Band 41 / 10MHz / 16QAM

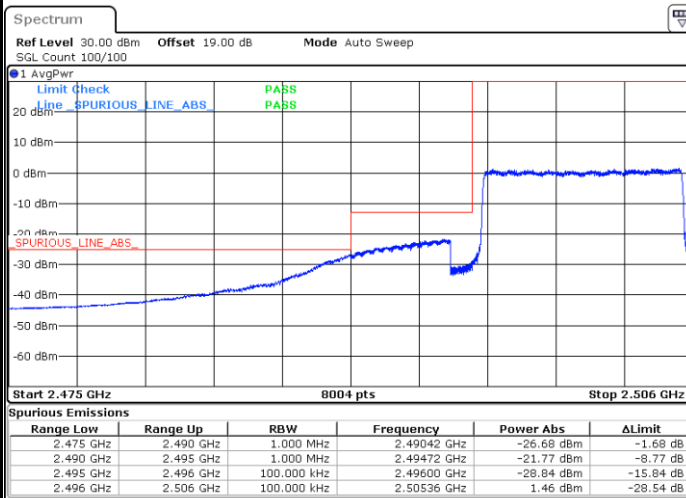
Lowest Band Edge / 1RB



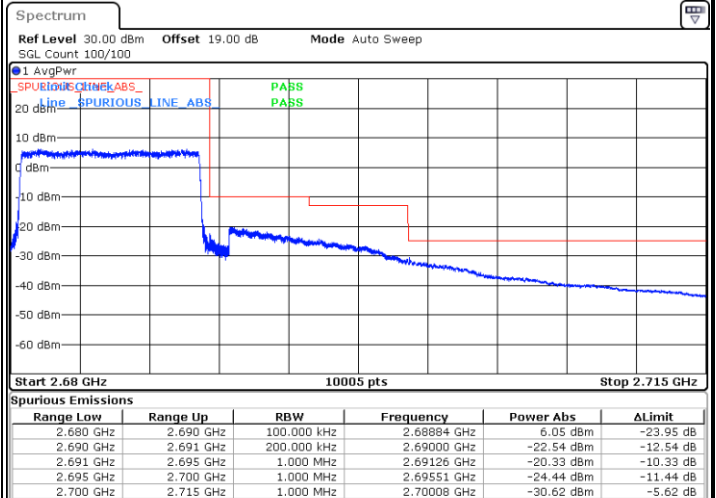
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



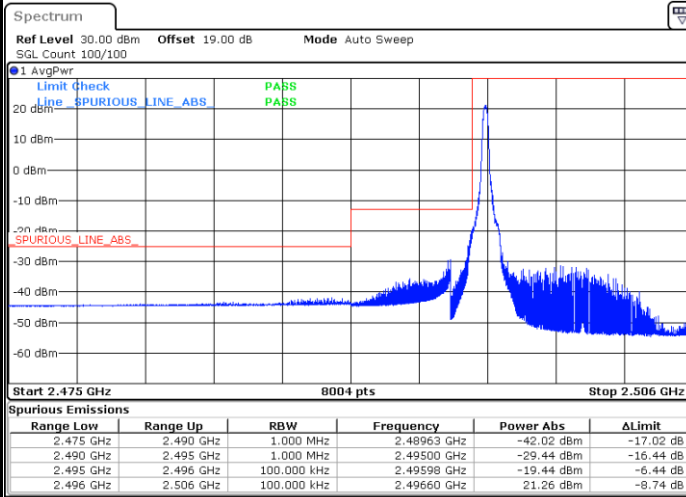
Highest Band Edge / Full RB





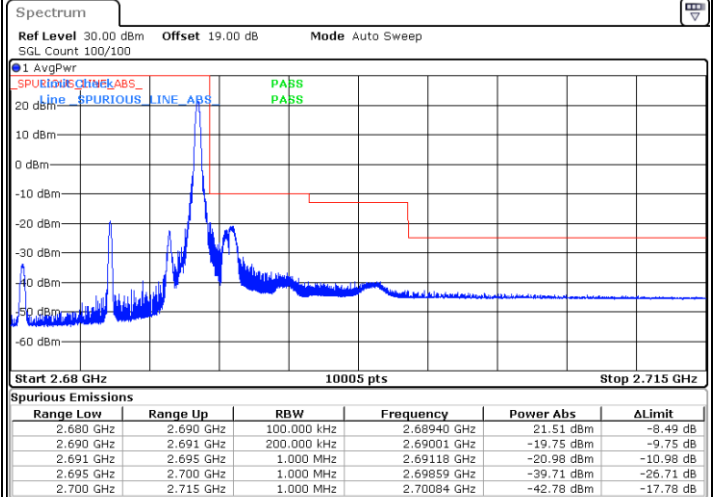
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1RB



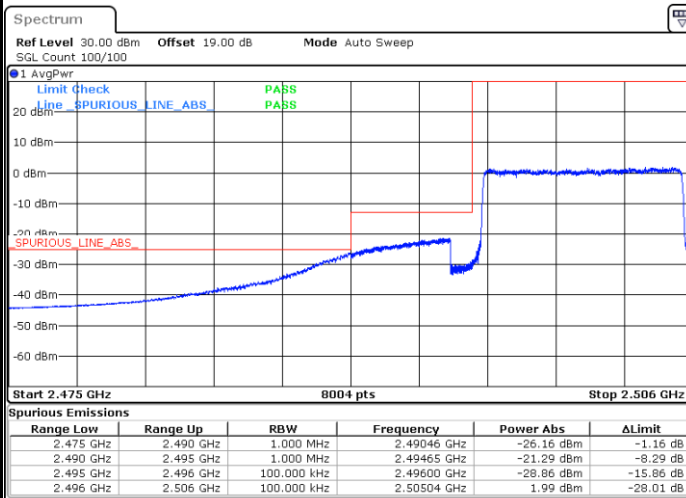
Date: 2.SEP.2024 09:29:26

Highest Band Edge / 1 RB



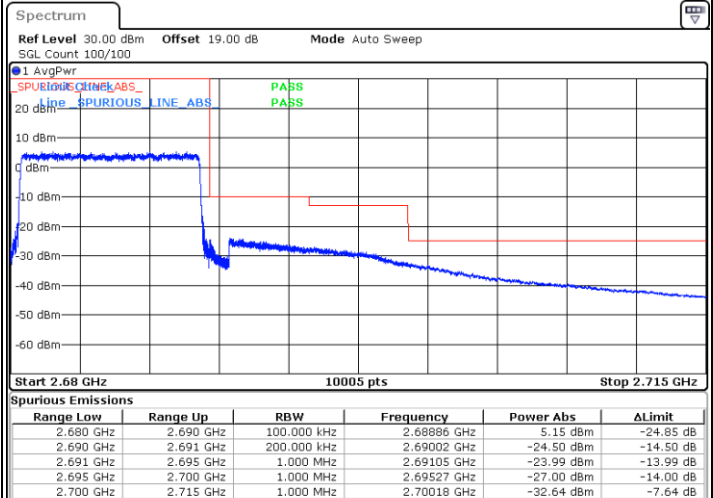
Date: 2.SEP.2024 09:39:20

Lowest Band Edge / Full RB



Date: 11.SEP.2024 09:11:11

Highest Band Edge / Full RB

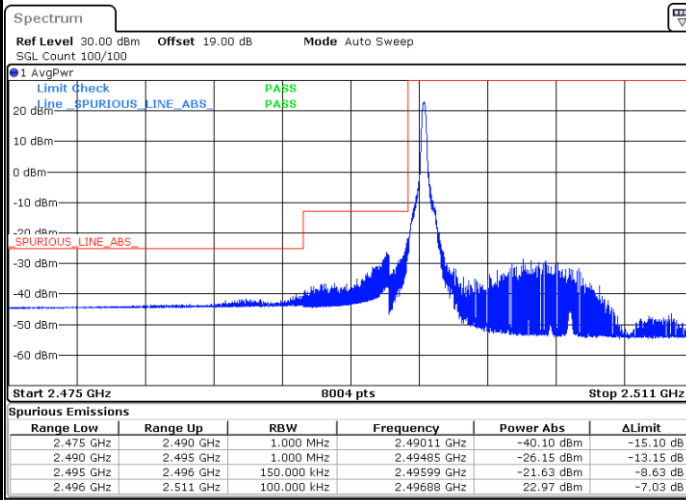


Date: 2.SEP.2024 09:40:18

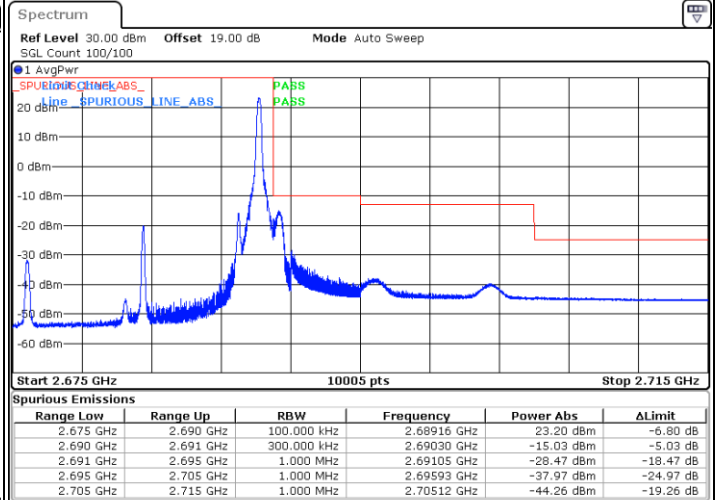


LTE Band 41 / 15MHz / QPSK

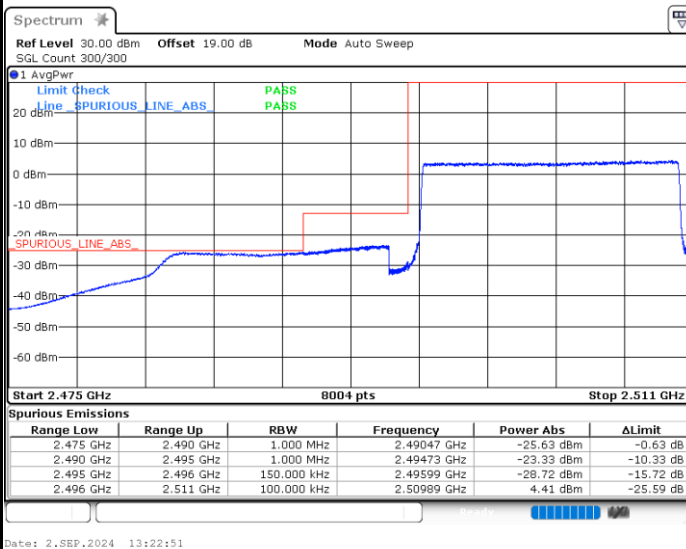
Lowest Band Edge / 1 RB



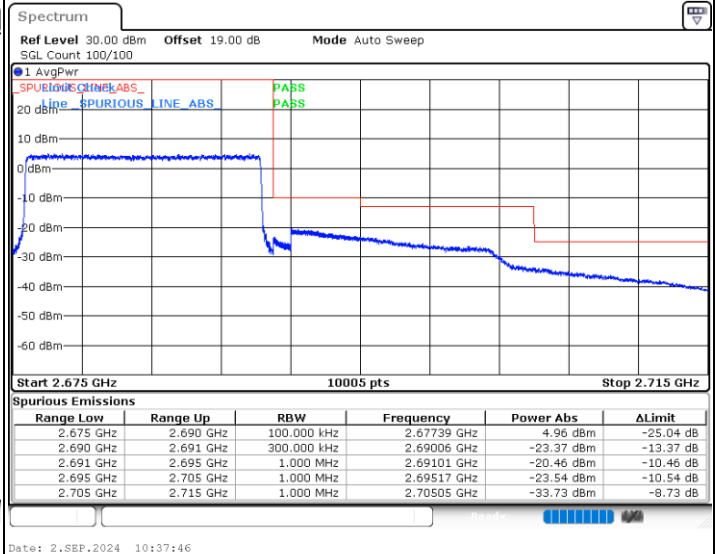
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



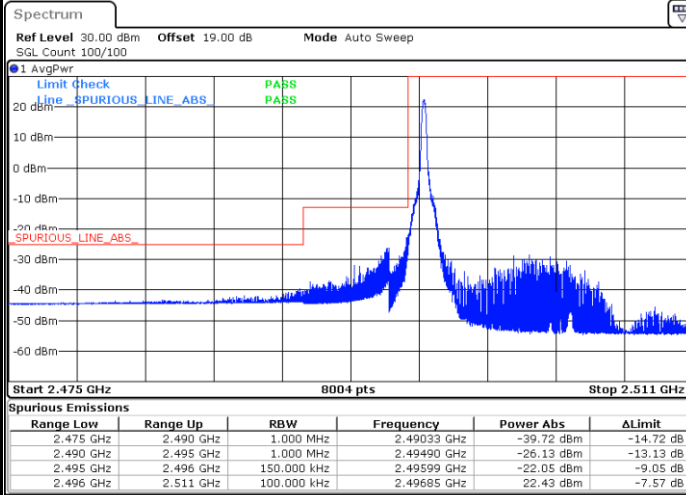
Highest Band Edge / Full RB





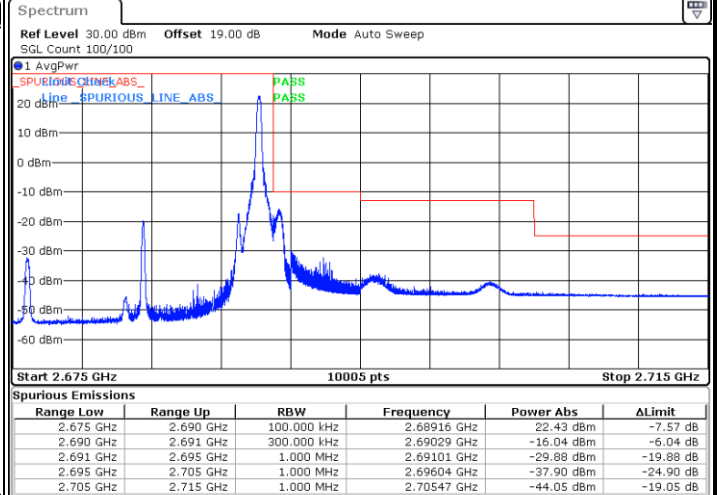
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1RB



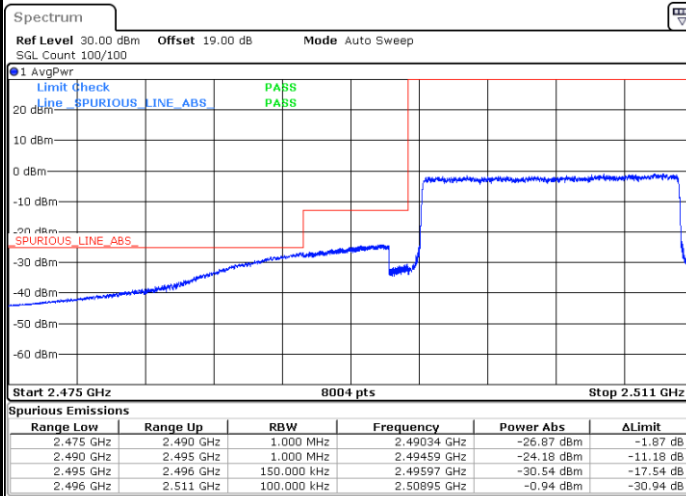
Date: 2.SEP.2024 10:23:59

Highest Band Edge / 1 RB



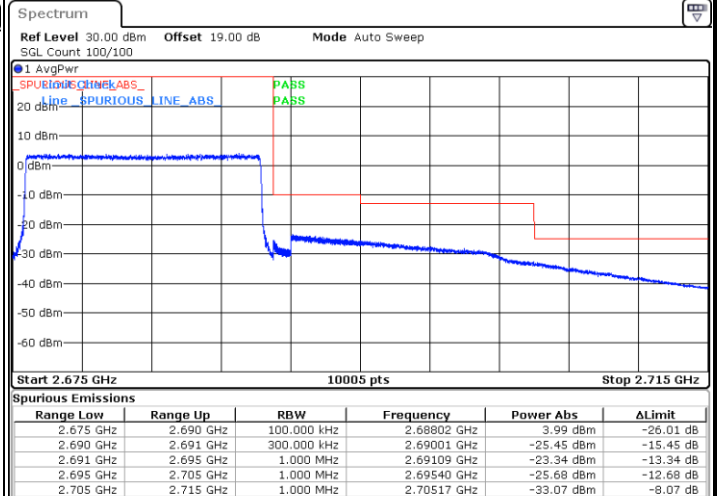
Date: 2.SEP.2024 10:33:52

Lowest Band Edge / Full RB



Date: 11.SEP.2024 09:13:22

Highest Band Edge / Full RB

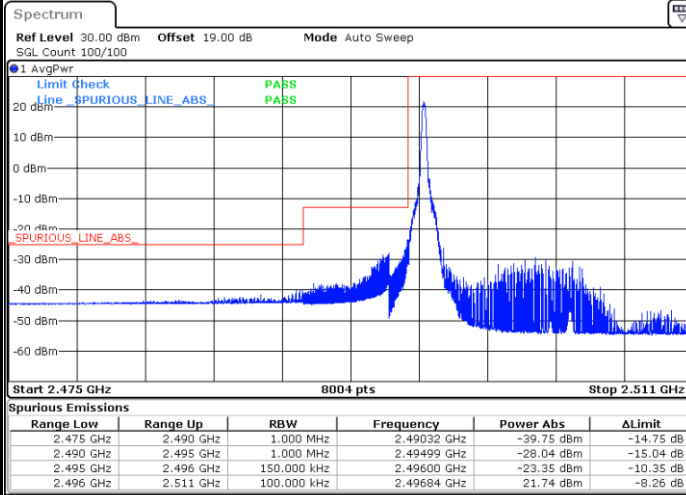


Date: 2.SEP.2024 10:36:47



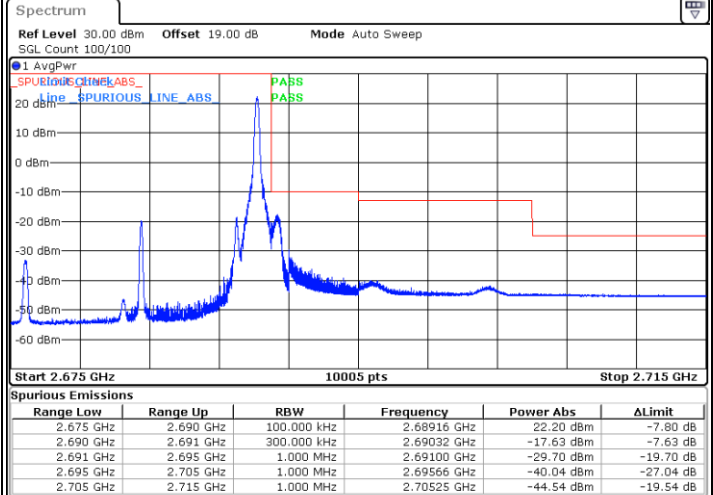
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1RB



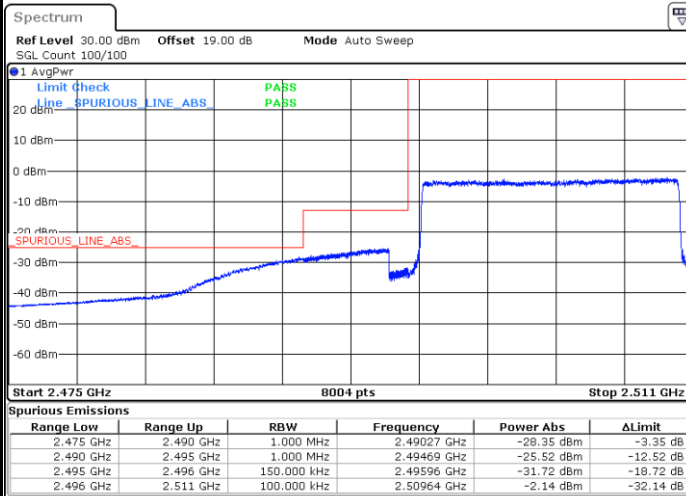
Date: 2.SEP.2024 10:24:57

Highest Band Edge / 1 RB



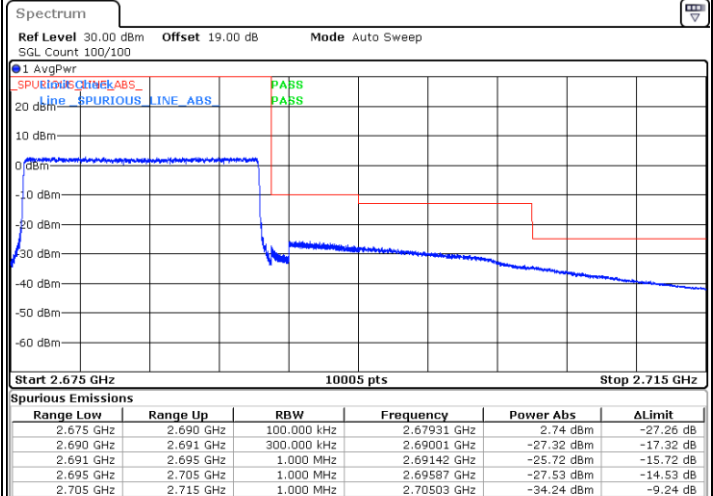
Date: 2.SEP.2024 10:34:50

Lowest Band Edge / Full RB



Date: 10.SEP.2024 10:48:23

Highest Band Edge / Full RB

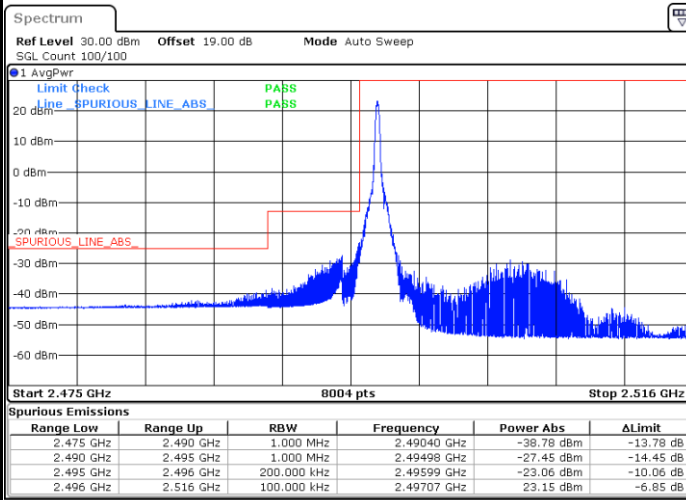


Date: 2.SEP.2024 10:35:49

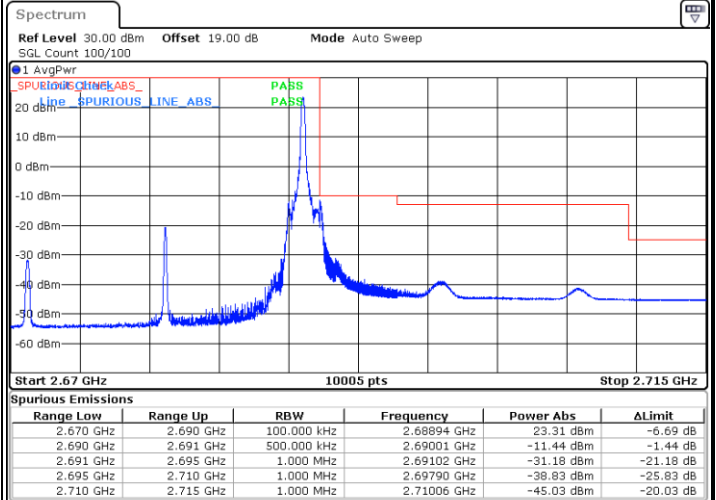


LTE Band 41 / 20MHz / QPSK

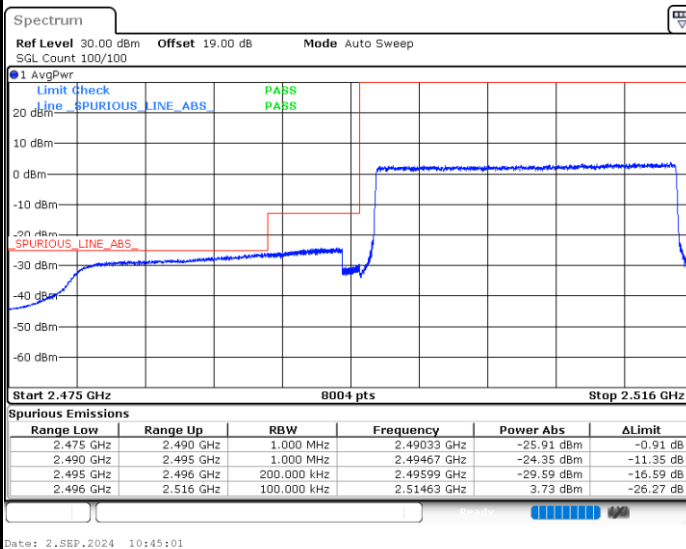
Lowest Band Edge / 1 RB



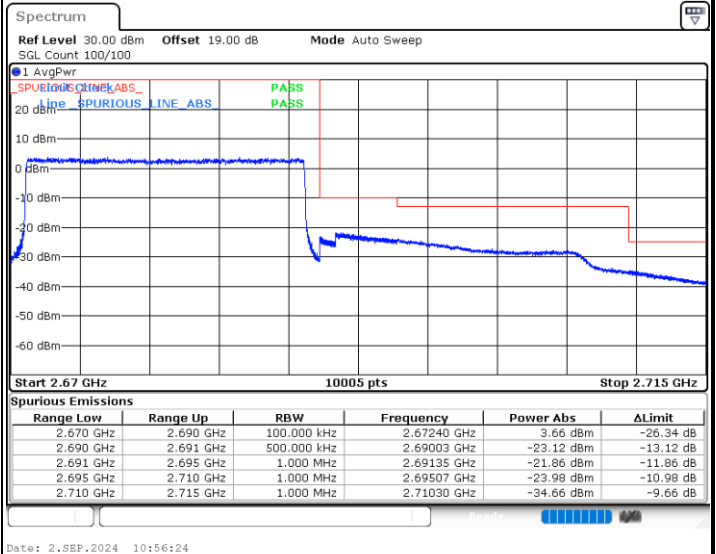
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



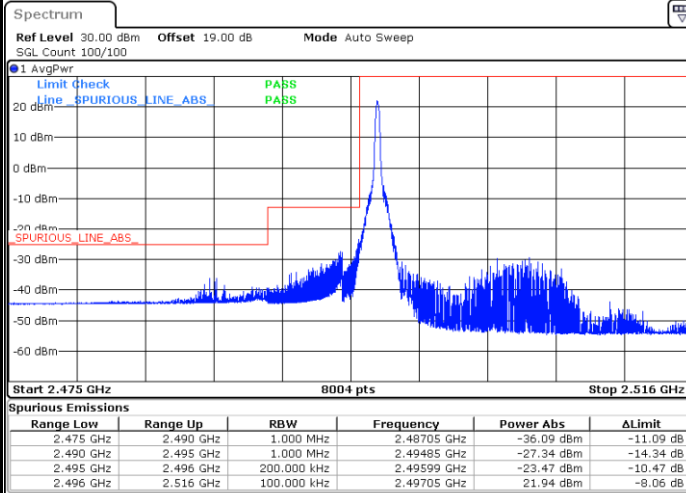
Highest Band Edge / Full RB



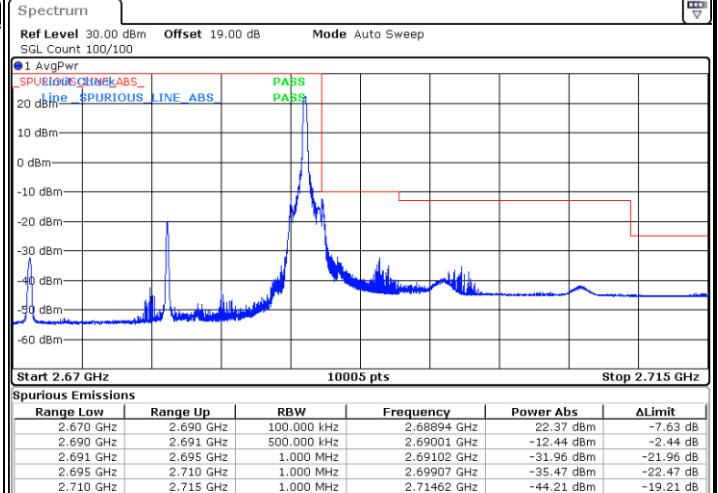


LTE Band 41 / 20MHz / 16QAM

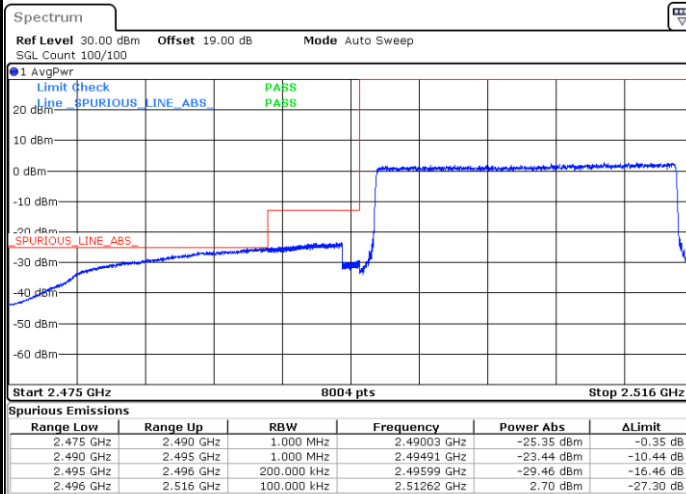
Lowest Band Edge / 1RB



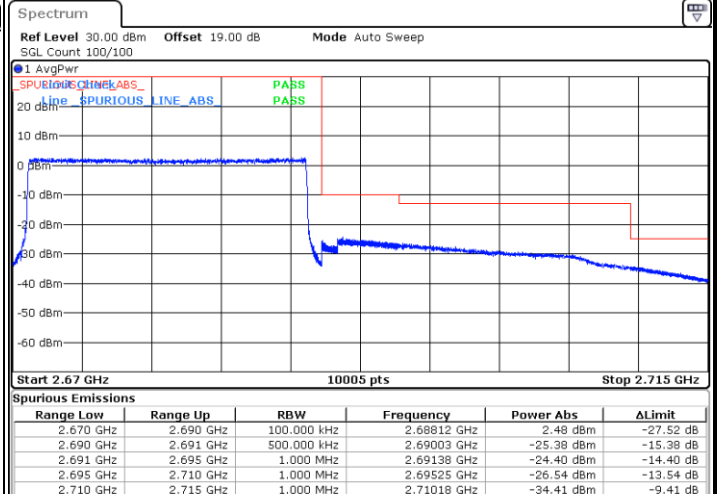
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



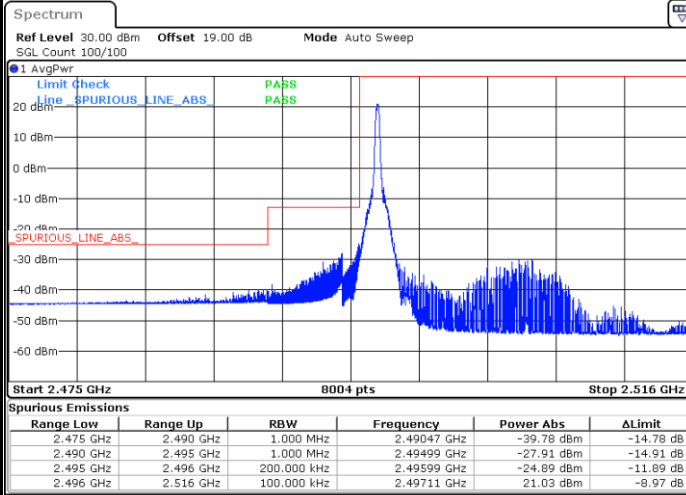
Highest Band Edge / Full RB



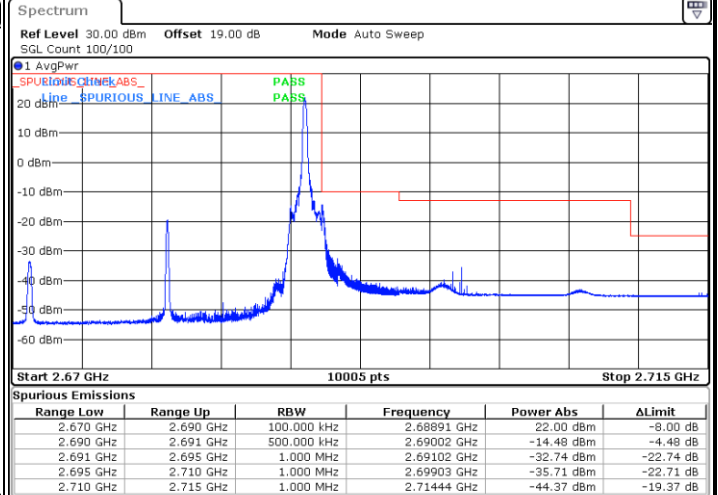


LTE Band 41 / 20MHz / 64QAM

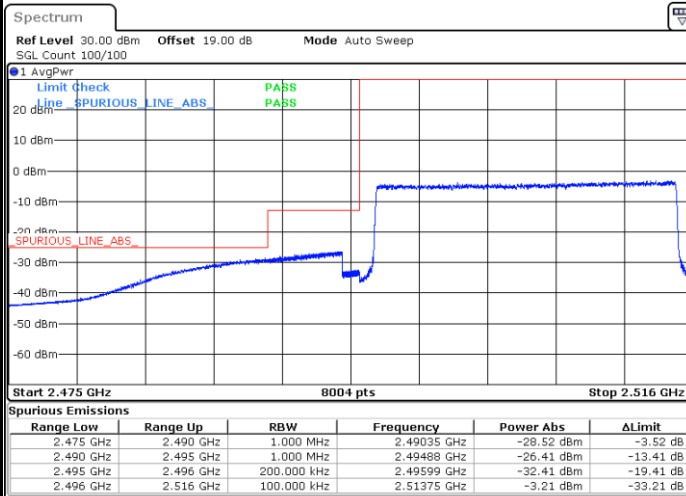
Lowest Band Edge / 1RB



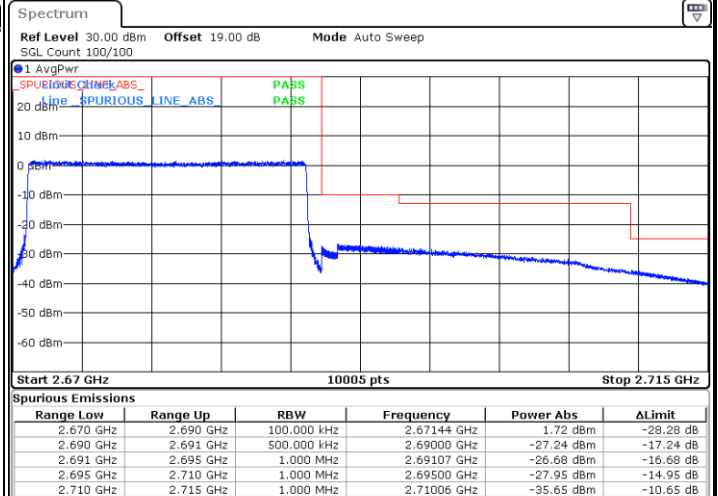
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

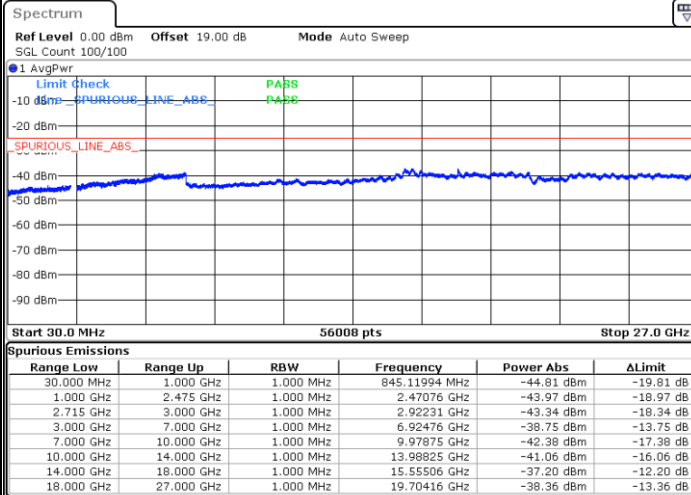




Conducted Spurious Emission

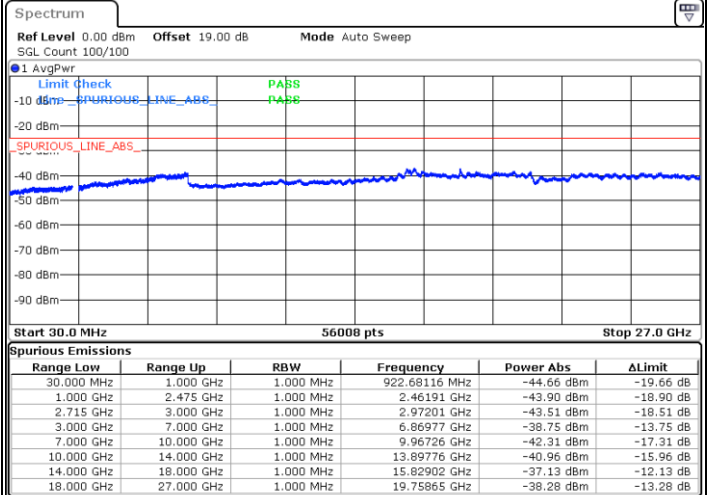
LTE Band 41 / 5MHz

Lowest Channel / QPSK



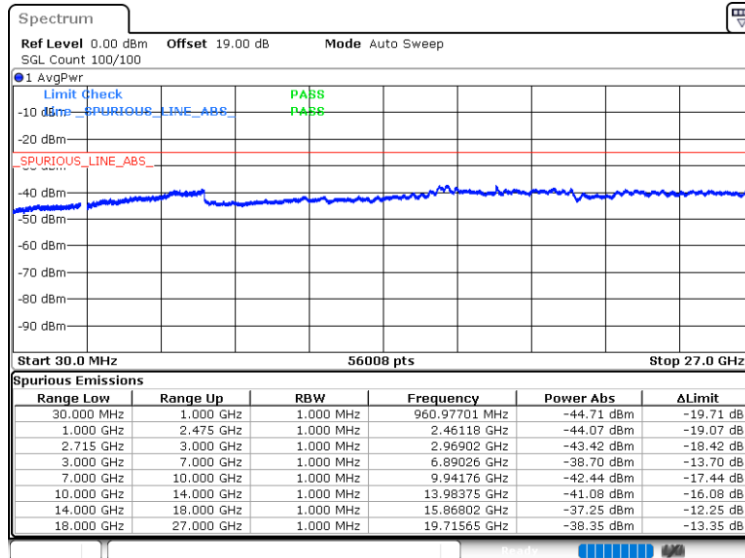
Date: 2.SEP.2024 09:15:45

Middle Channel / QPSK



Date: 2.SEP.2024 09:17:03

Highest Channel / QPSK

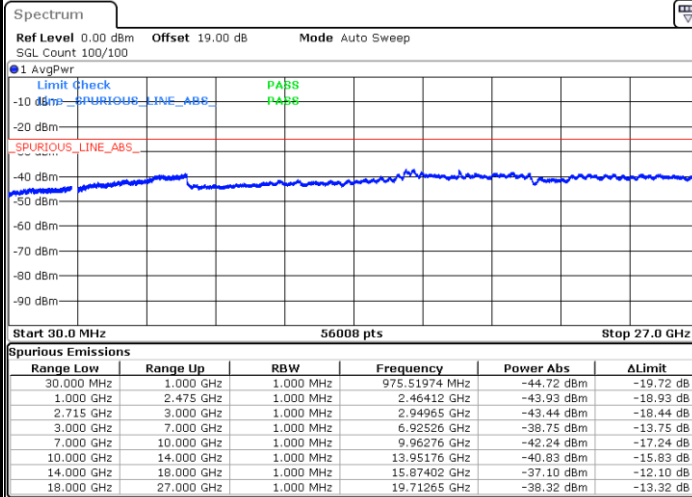


Date: 2.SEP.2024 09:26:25



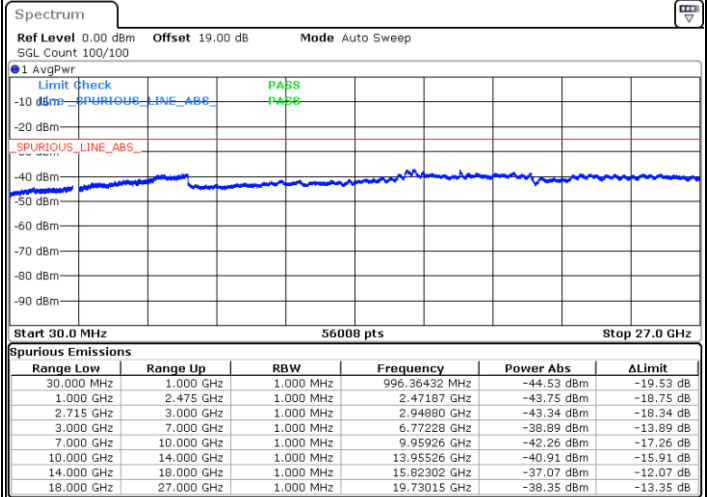
LTE Band 41 / 10MHz

Lowest Channel / QPSK



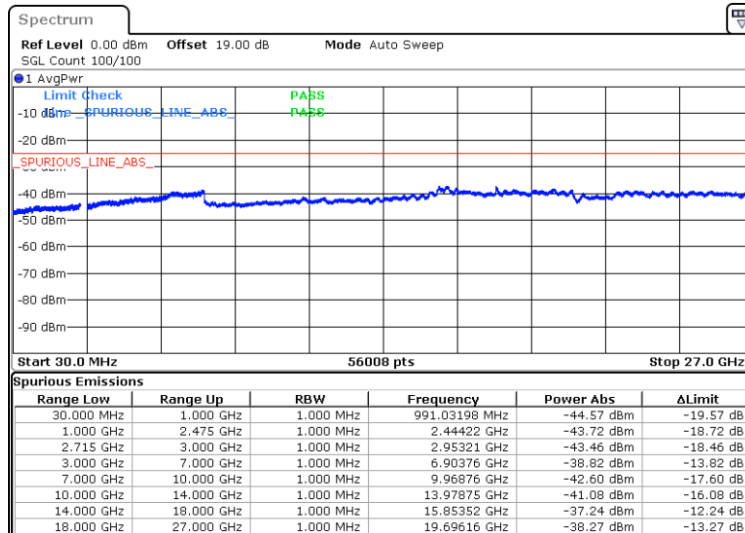
Date: 2.SEP.2024 09:33:41

Middle Channel / QPSK



Date: 2.SEP.2024 09:34:58

Highest Channel / QPSK

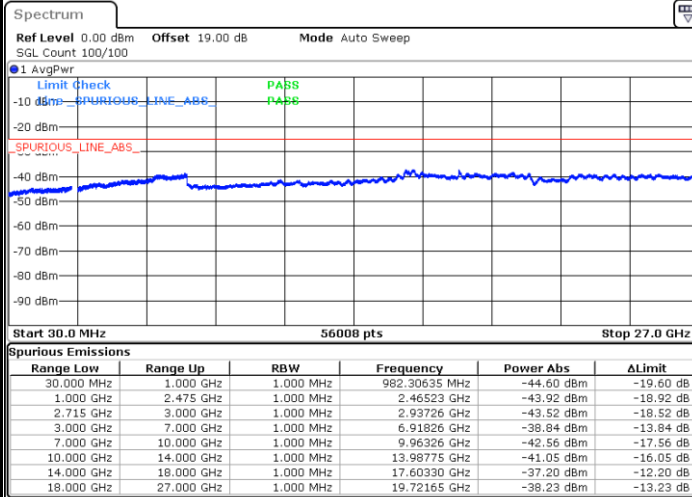


Date: 2.SEP.2024 10:21:56



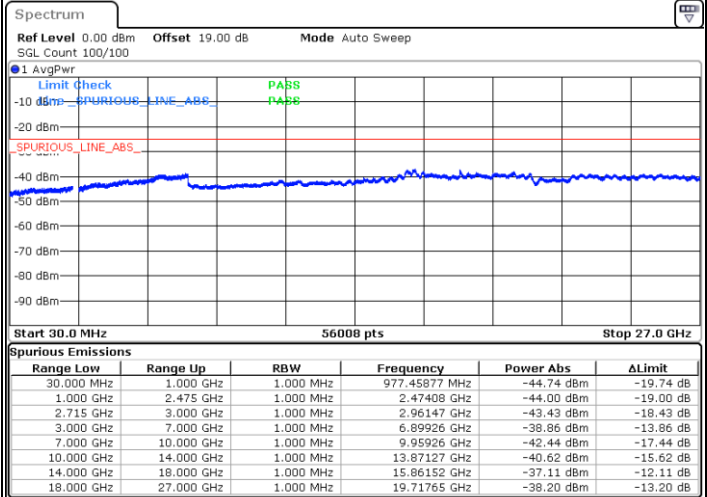
LTE Band 41 / 15MHz

Lowest Channel / QPSK



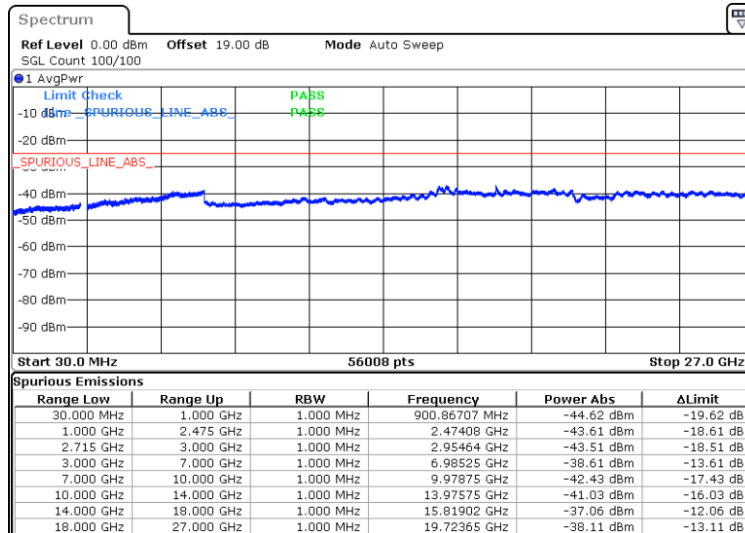
Date: 2.SEP.2024 10:29:12

Middle Channel / QPSK



Date: 2.SEP.2024 10:30:29

Highest Channel / QPSK



Date: 2.SEP.2024 10:39:04