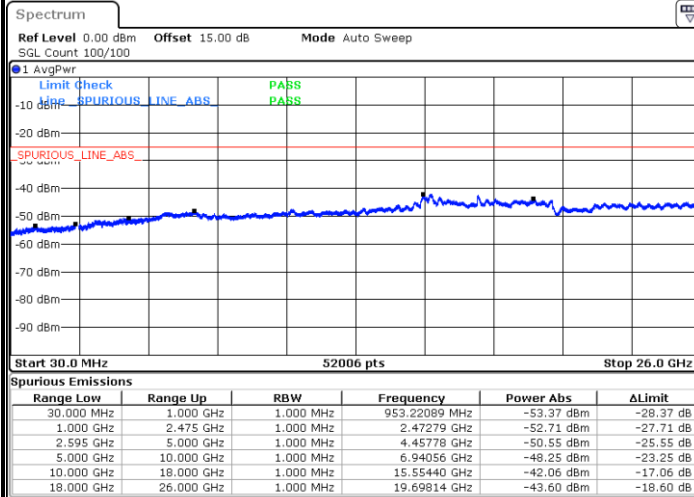




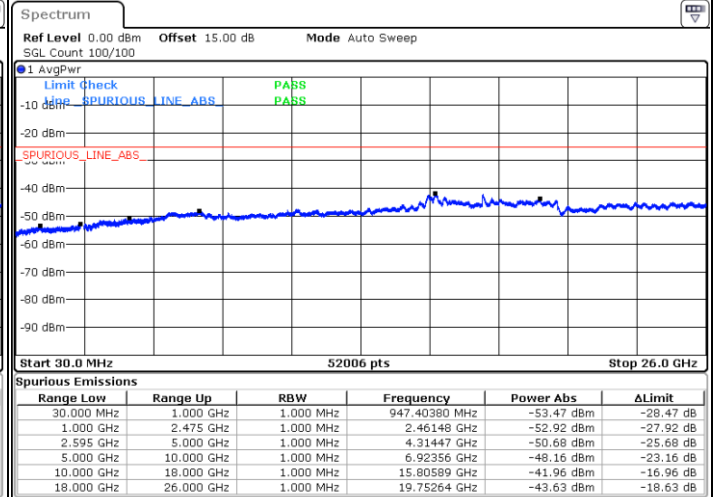
LTE Band 7 / 20MHz

Lowest Channel / QPSK



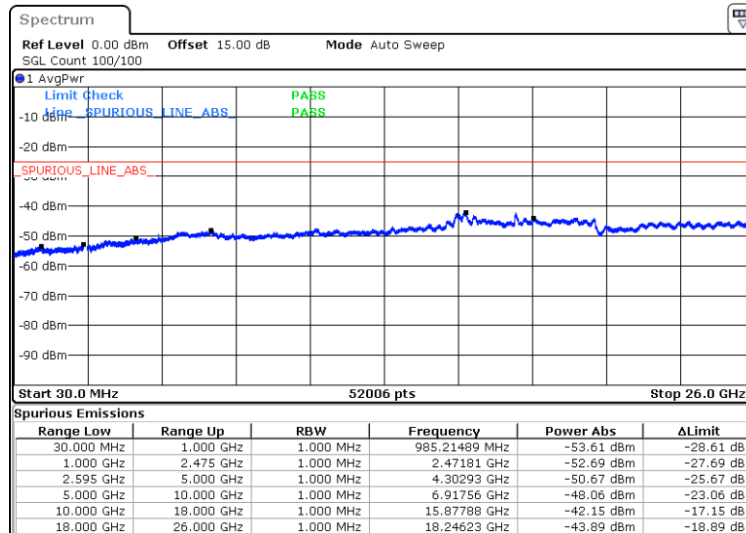
Date: 12.SEP.2024 12:47:17

Middle Channel / QPSK



Date: 12.SEP.2024 12:48:41

Highest Channel / QPSK



Date: 12.SEP.2024 12:58:18

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	0.0009	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0009	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0009	

Note:

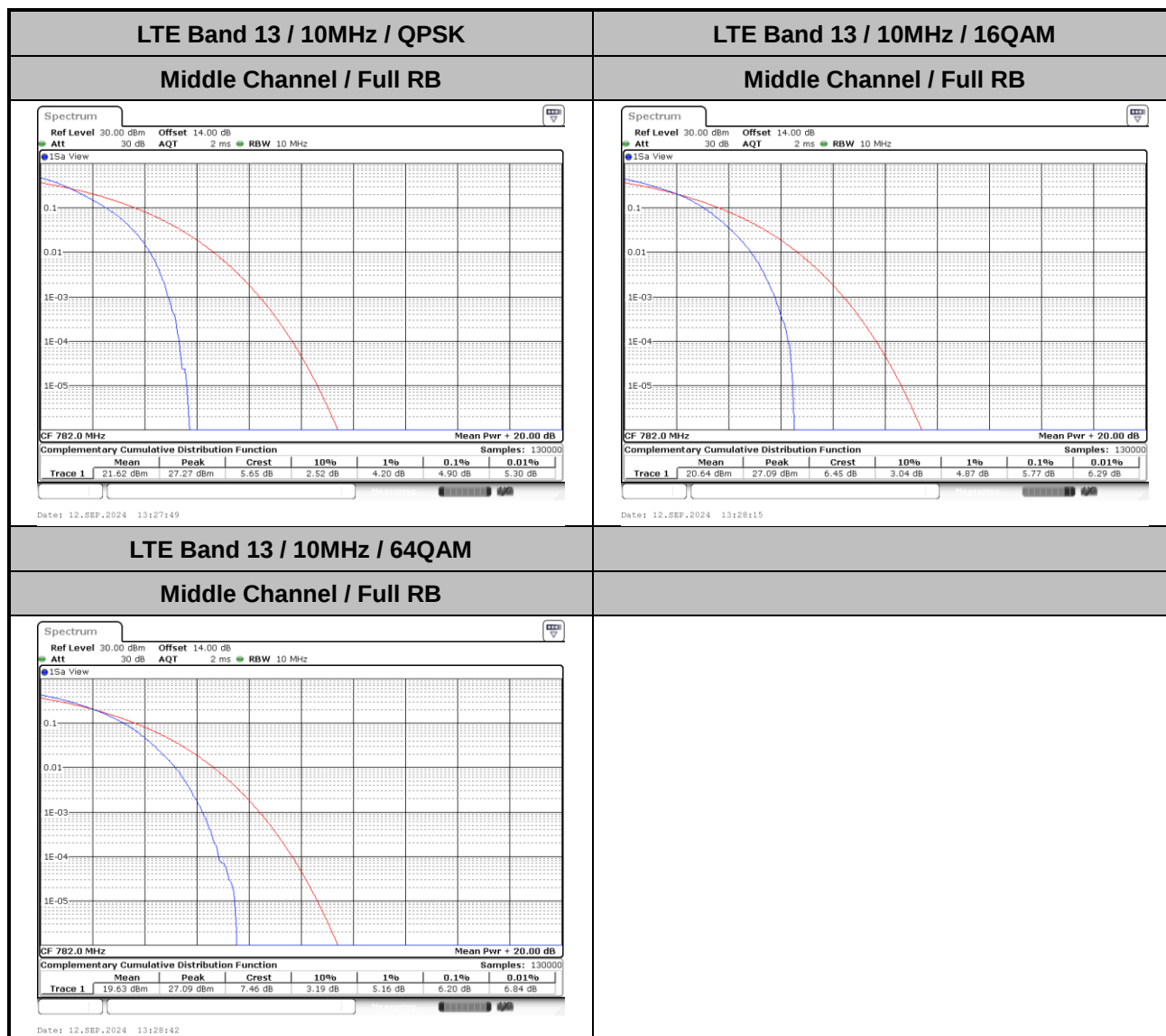
1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage = 4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13

Peak-to-Average Ratio

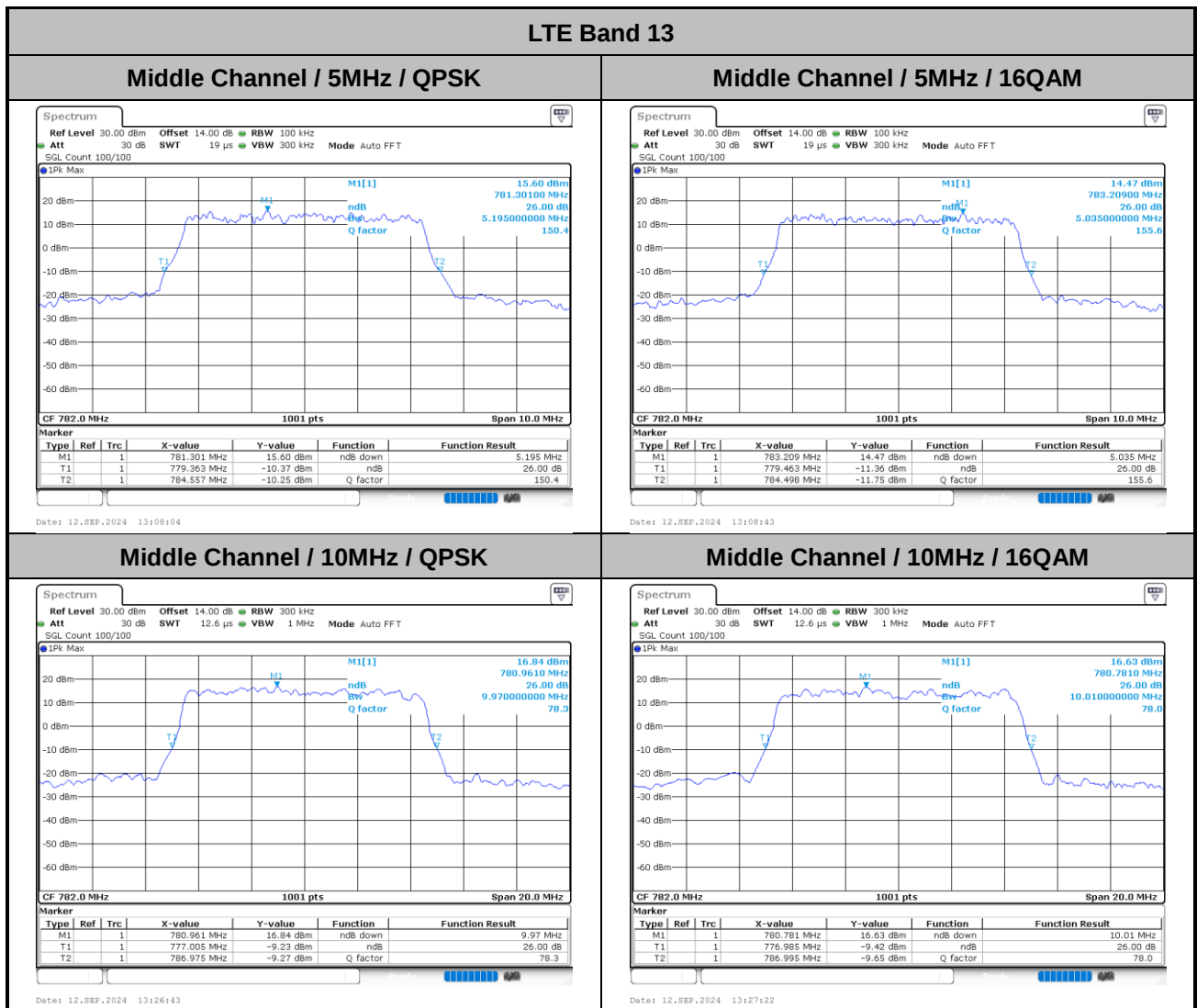
Mode	LTE Band 13 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.90	5.77	6.20	PASS





26dB Bandwidth

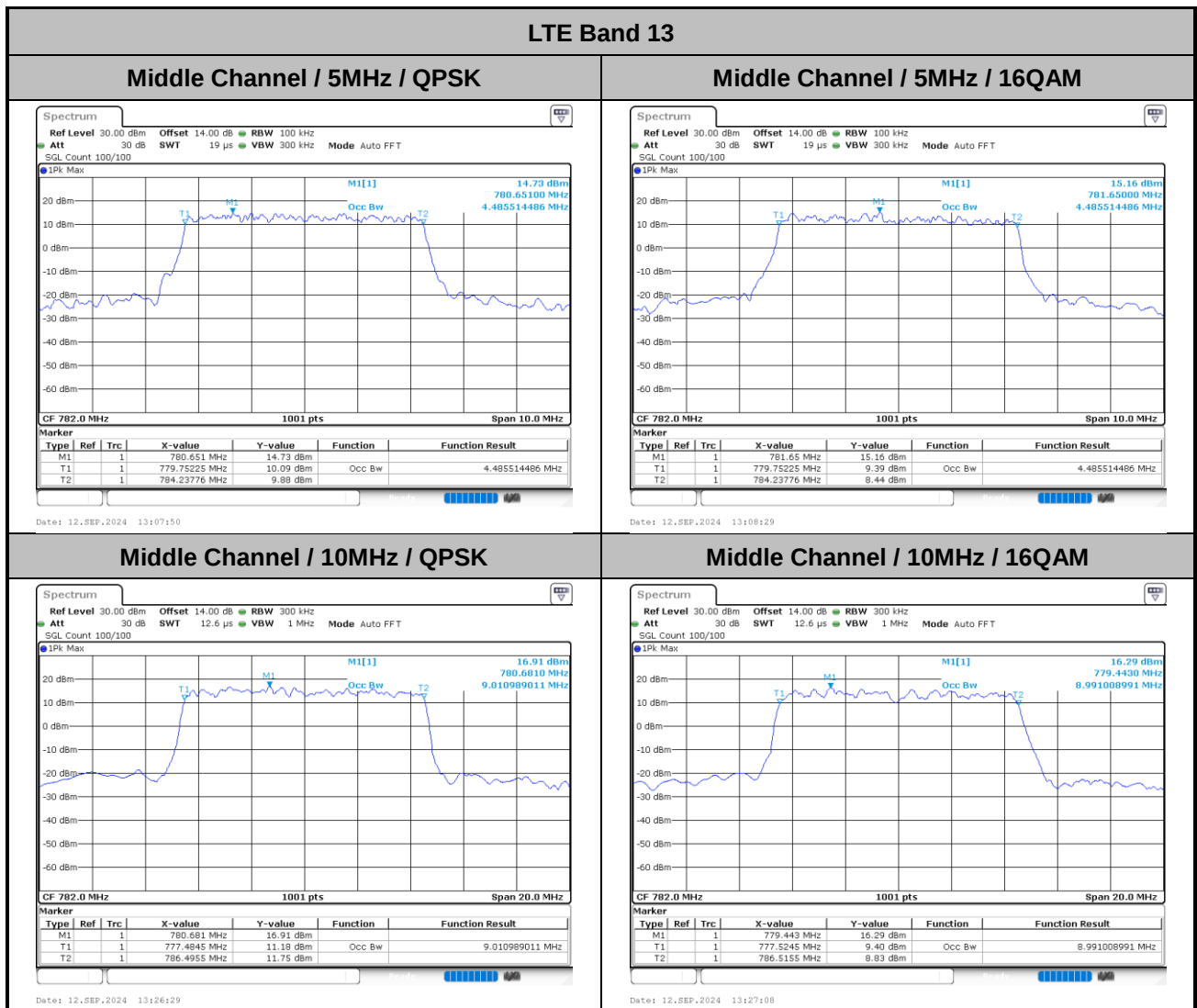
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	5.20	5.04	9.97	10.01	-	-	-	-





Occupied Bandwidth

Mode	LTE Band 13 : 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	-	-	-	-	4.49	4.49	9.01	8.99	-	-	-	-

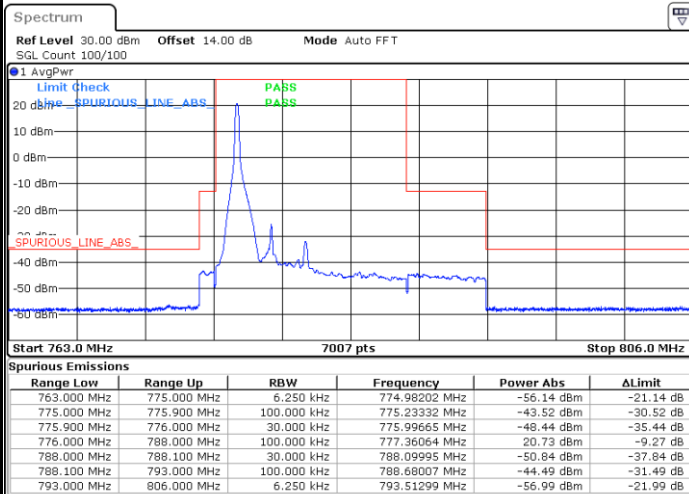




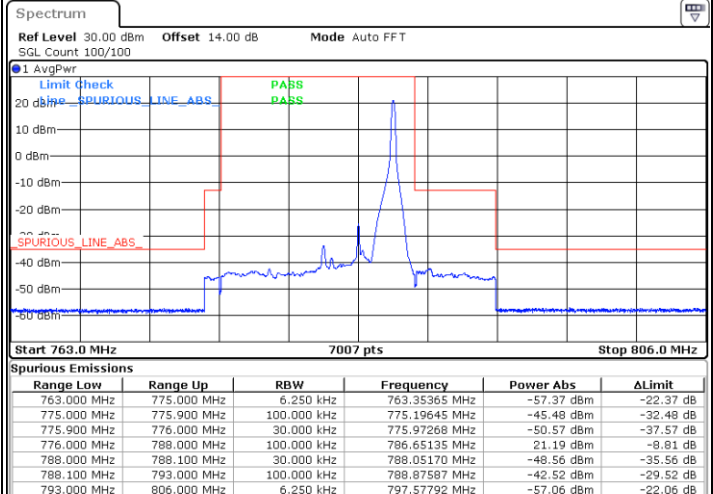
Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

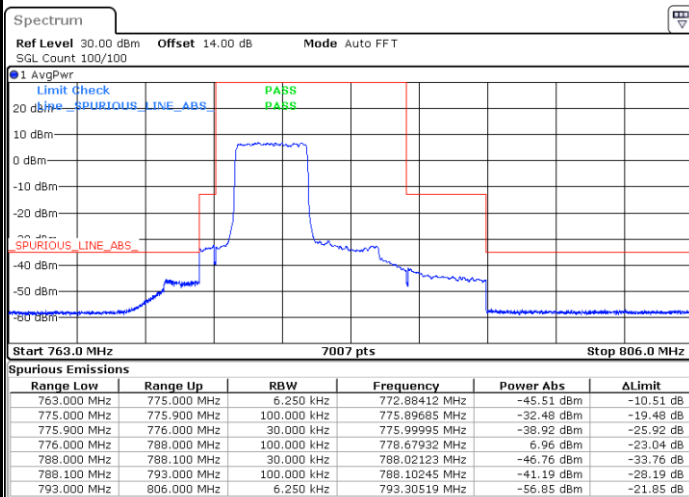
Lowest Band Edge / 1 RB



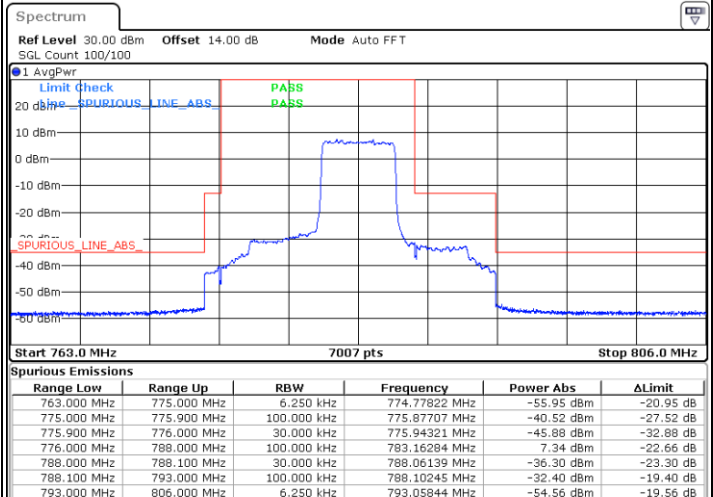
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



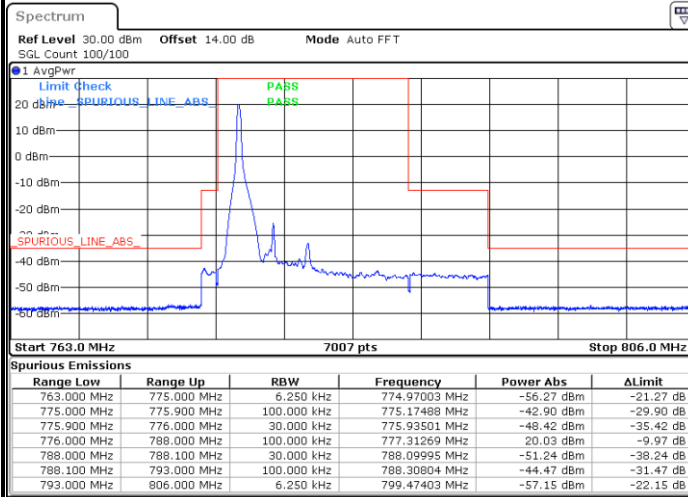
Highest Band Edge / Full RB





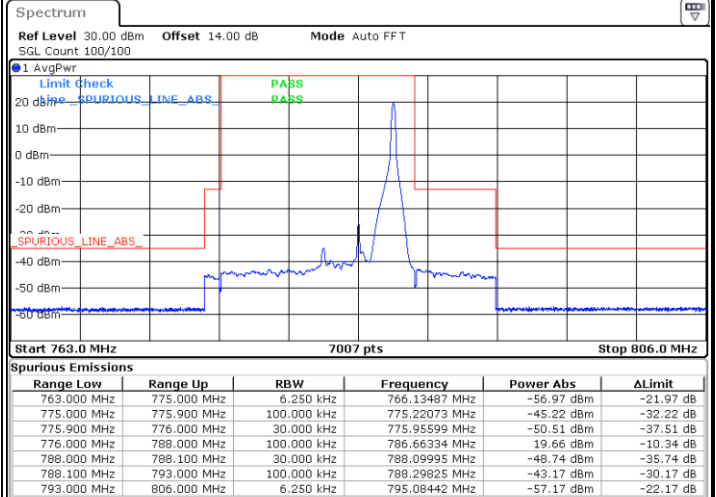
LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



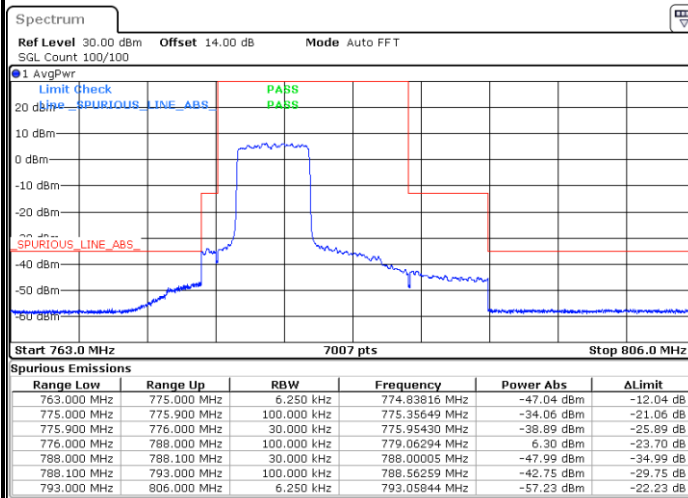
Date: 12.SEP.2024 13:00:52

Highest Band Edge / 1 RB



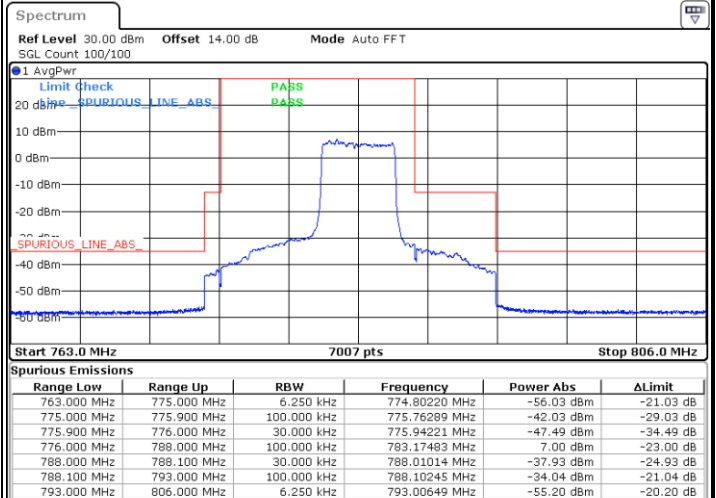
Date: 12.SEP.2024 13:10:33

Lowest Band Edge / Full RB



Date: 12.SEP.2024 13:03:39

Highest Band Edge / Full RB

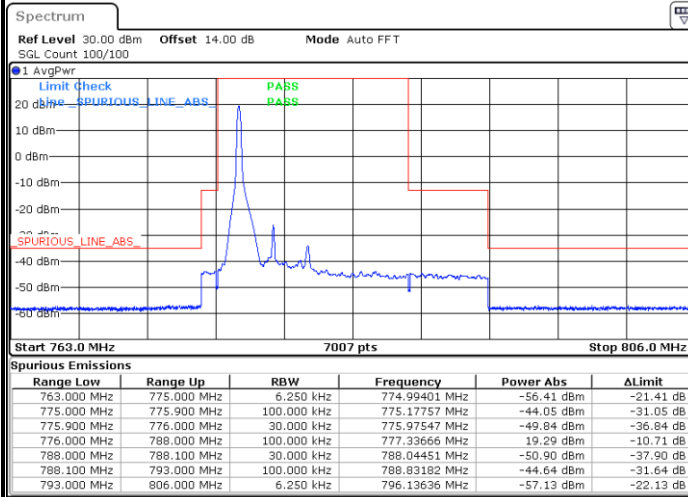


Date: 12.SEP.2024 13:13:20



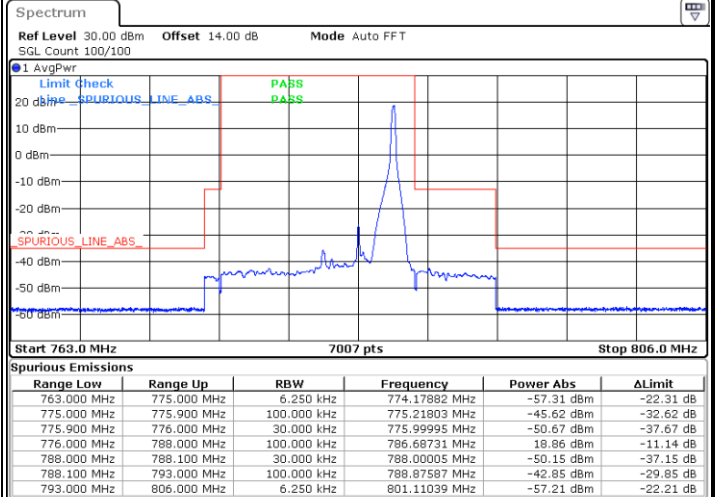
LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



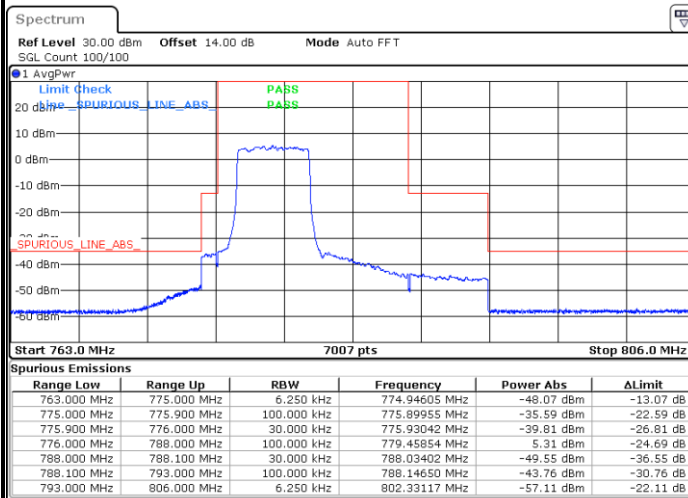
Date: 12.SEP.2024 13:01:48

Highest Band Edge / 1 RB



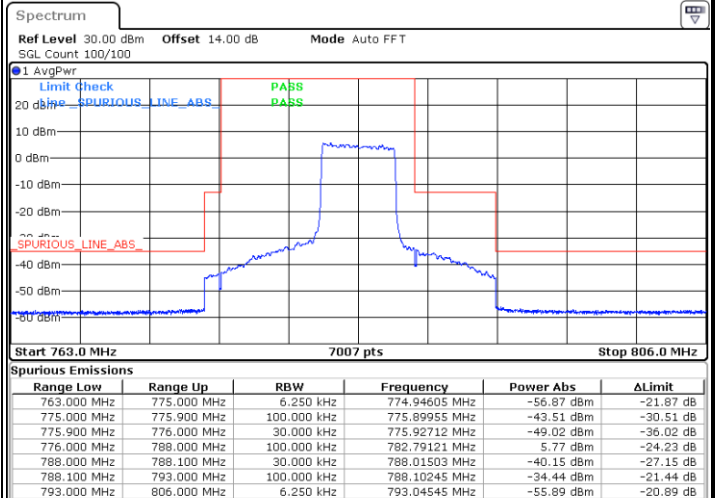
Date: 12.SEP.2024 13:11:29

Lowest Band Edge / Full RB



Date: 12.SEP.2024 13:04:35

Highest Band Edge / Full RB

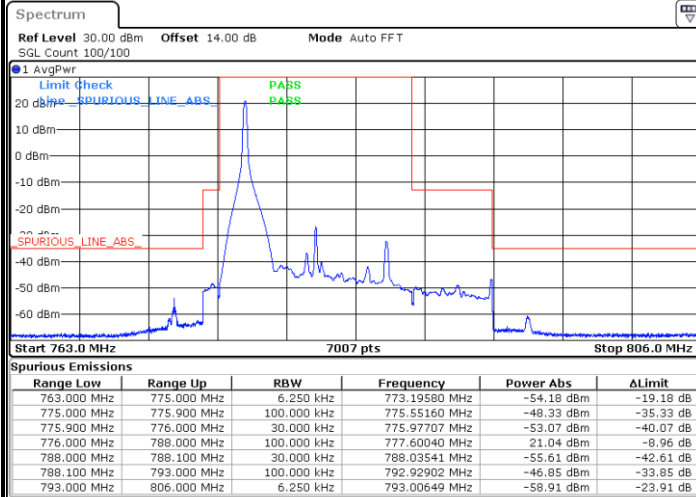


Date: 12.SEP.2024 13:14:15



LTE Band 13 / 10MHz / QPSK

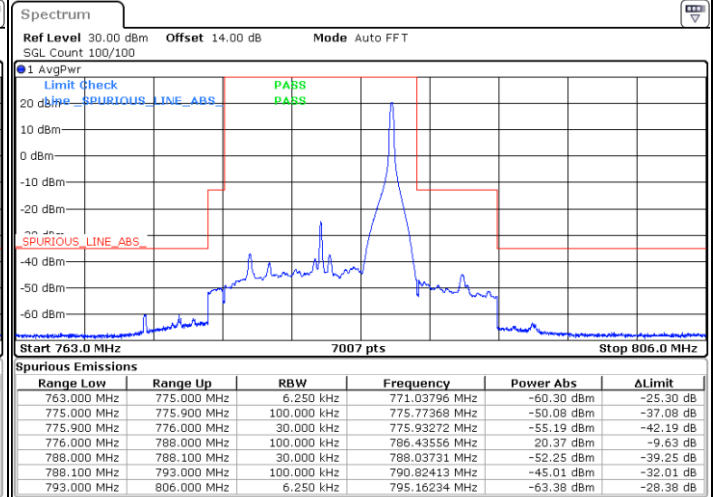
Band Edge / 1 RB



Date: 12.SEP.2024 13:17:18

LTE Band 13 / 10MHz / QPSK

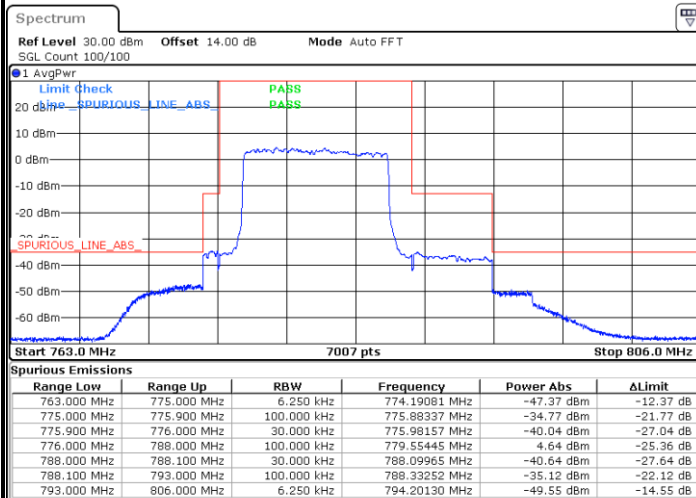
Band Edge / 1 RB



Date: 12.SEP.2024 13:20:03

LTE Band 13 / 10MHz / QPSK

Band Edge / Full RB



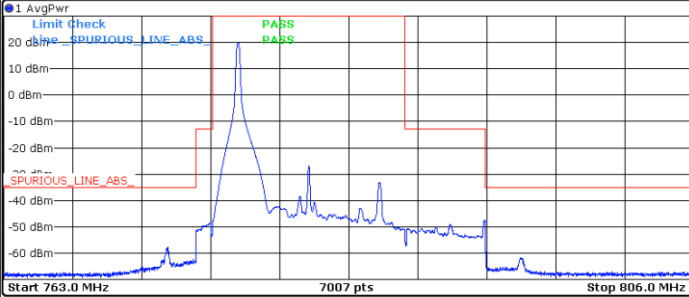
Date: 12.SEP.2024 13:22:48



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

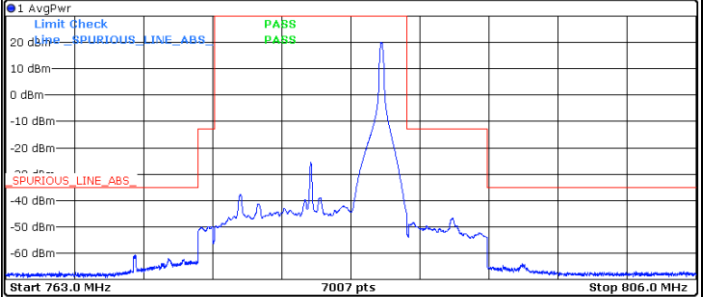
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.20779 MHz	-57.85 dBm	-22.85 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-48.64 dBm	-35.64 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99995 MHz	-52.89 dBm	-39.89 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.60040 MHz	19.85 dBm	-10.15 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00005 MHz	-55.87 dBm	-42.87 dB
788.100 MHz	793.000 MHz	100.000 kHz	792.94371 MHz	-47.49 dBm	-34.49 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.01948 MHz	-59.65 dBm	-24.65 dB

Date: 12.SEP.2024 13:18:13

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

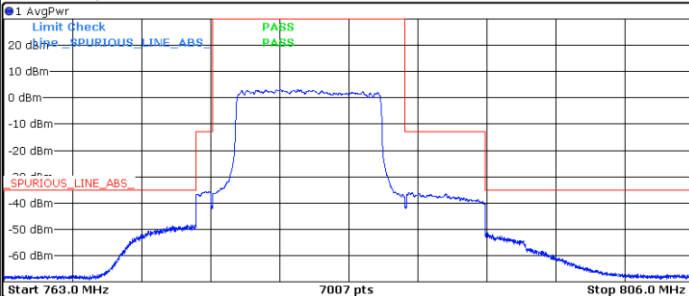
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	771.07393 MHz	-60.71 dBm	-25.71 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.84291 MHz	-50.07 dBm	-37.07 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99525 MHz	-55.37 dBm	-42.37 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.38761 MHz	20.03 dBm	-9.97 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00634 MHz	-52.91 dBm	-39.91 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.83392 MHz	-46.71 dBm	-33.71 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.17532 MHz	-64.08 dBm	-29.08 dB

Date: 12.SEP.2024 13:20:58

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

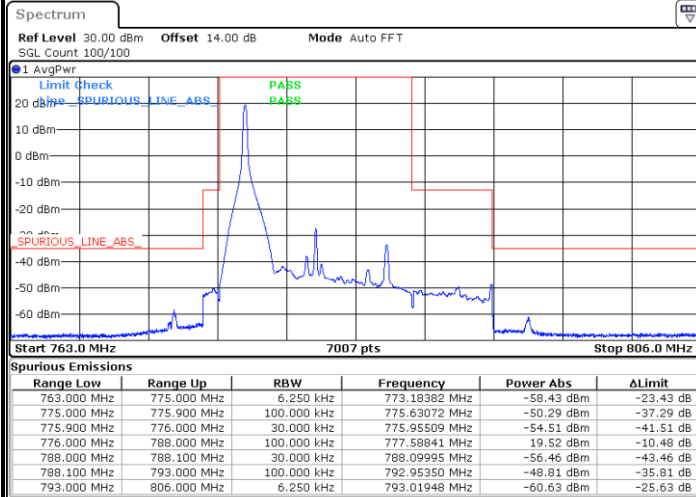
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.93407 MHz	-48.28 dBm	-13.28 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.54980 MHz	-35.74 dBm	-22.74 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94660 MHz	-41.04 dBm	-28.04 dB
776.000 MHz	788.000 MHz	100.000 kHz	781.32867 MHz	3.15 dBm	-26.85 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07537 MHz	-41.25 dBm	-28.25 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.24930 MHz	-36.05 dBm	-23.05 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.16234 MHz	-51.50 dBm	-16.50 dB

Date: 12.SEP.2024 13:23:43



LTE Band 13 / 10MHz / 64QAM

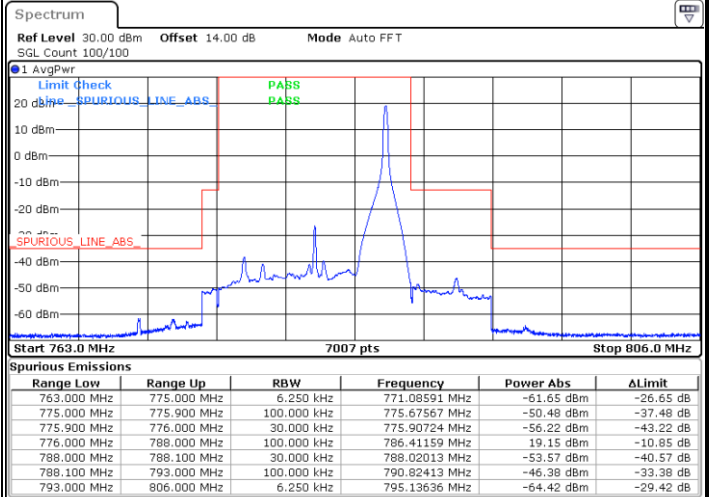
Band Edge / 1 RB



Date: 12.SEP.2024 13:19:08

LTE Band 13 / 10MHz / 64QAM

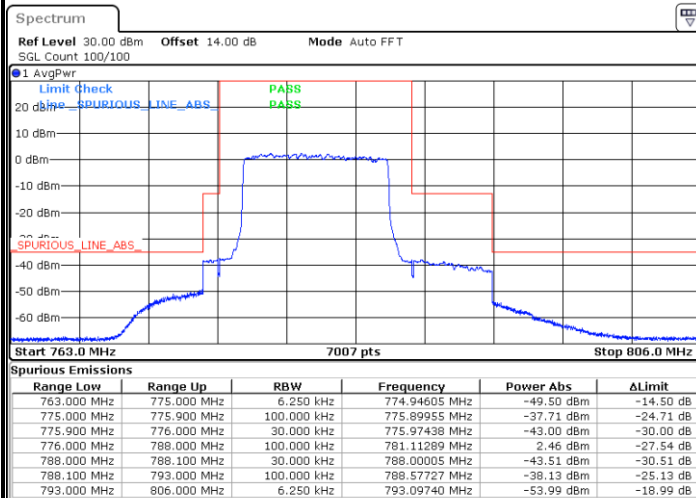
Band Edge / 1 RB



Date: 12.SEP.2024 13:21:53

LTE Band 13 / 10MHz / 64QAM

Band Edge / Full RB



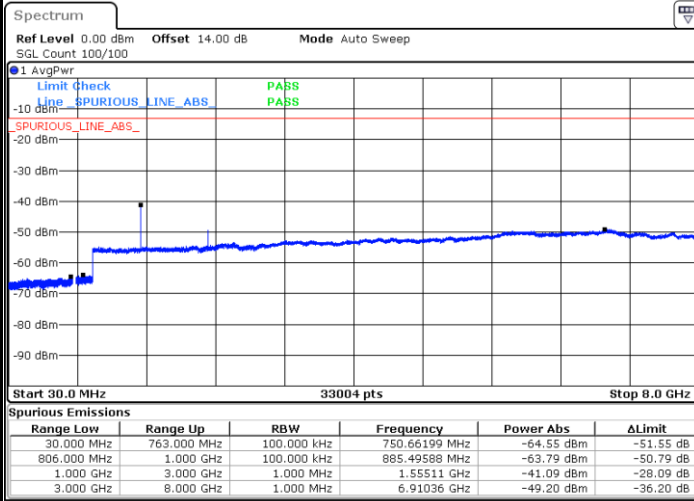
Date: 12.SEP.2024 13:24:38



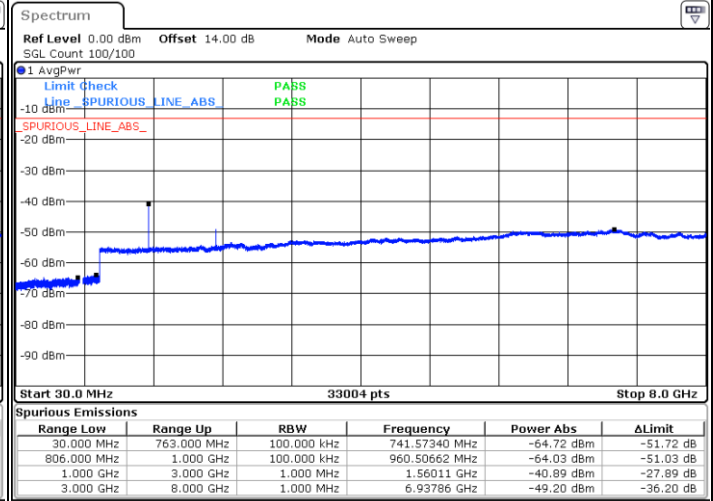
Conducted Spurious Emission

LTE Band 13 / 5MHz

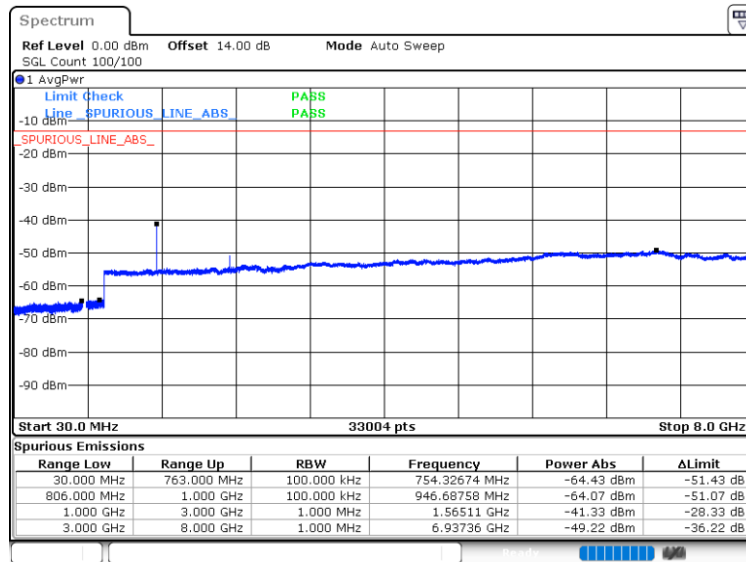
Lowest Channel / QPSK



Middle Channel / QPSK



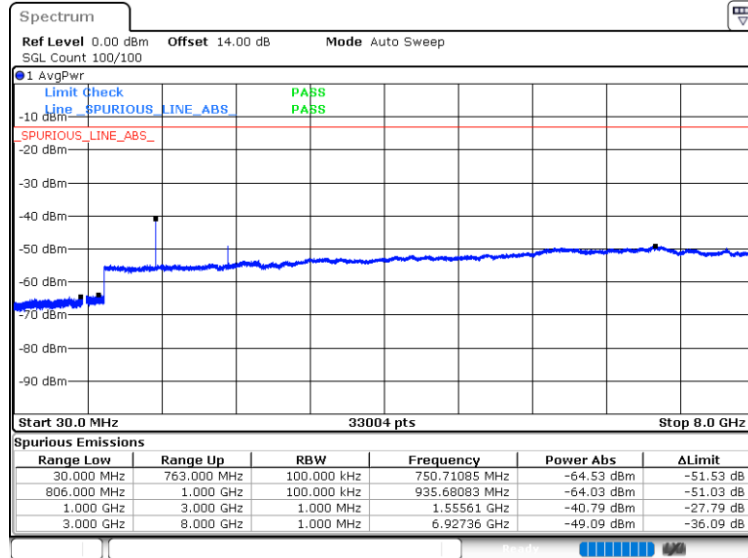
Highest Channel / QPSK





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 12-SEP-2024 13:26:03

**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	0.0013	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0009	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

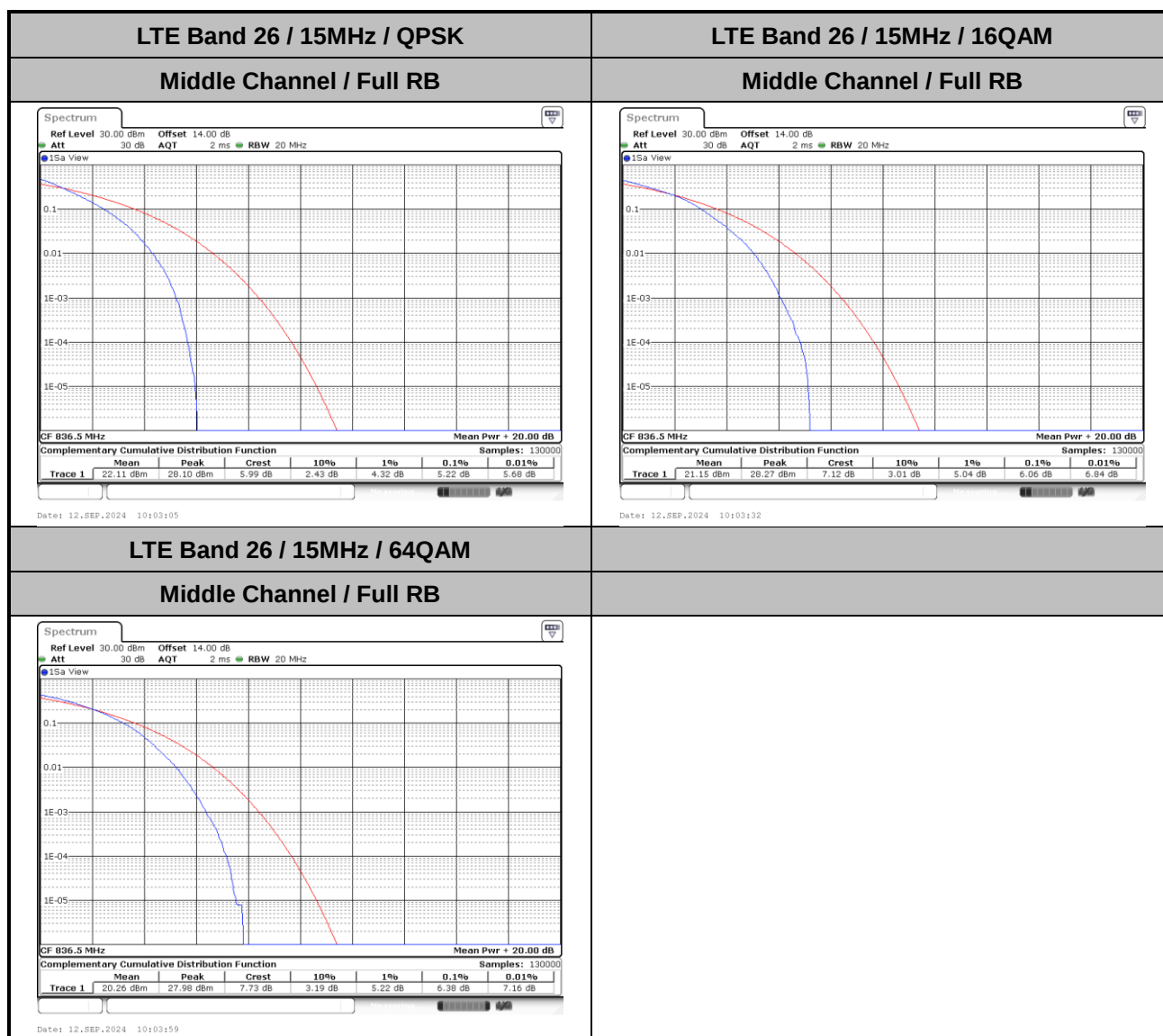
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 26_Part 22H

Peak-to-Average Ratio

Mode	LTE Band 26 / 15MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.22	6.06	6.38	PASS





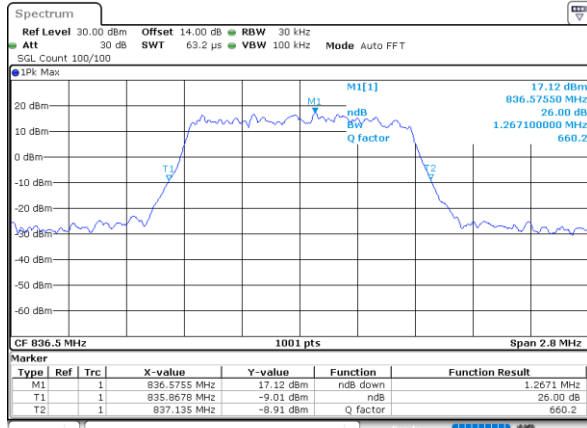
26dB Bandwidth

Mode	LTE Band 26 : 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	1.27	1.29	2.94	2.96	4.89	4.83	9.67	9.73	14.21	14.27	-	-



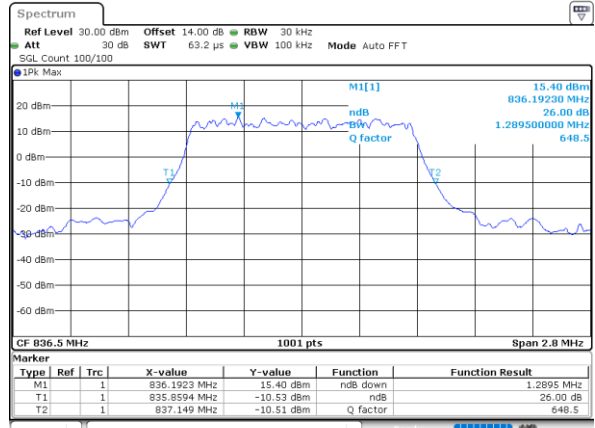
LTE Band 26

Middle Channel / 1.4MHz / QPSK



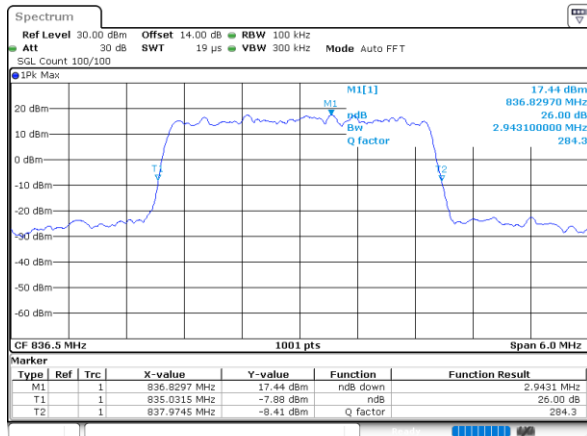
Date: 12,SEP,2024 08:48:39

Middle Channel / 1.4MHz / 16QAM



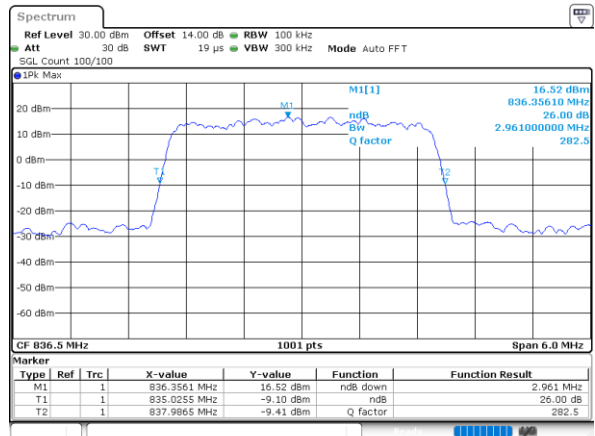
Date: 12,SEP,2024 08:49:19

Middle Channel / 3MHz / QPSK



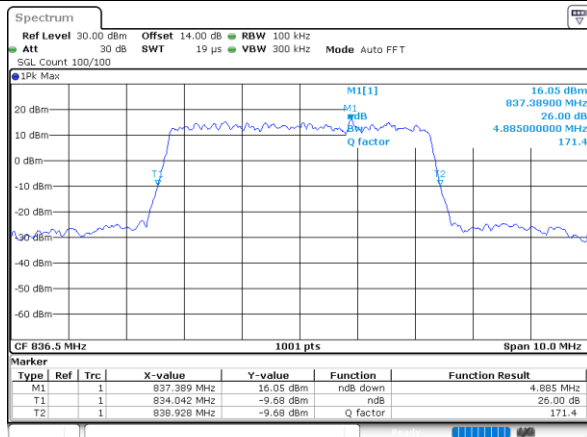
Date: 12,SEP,2024 09:07:00

Middle Channel / 3MHz / 16QAM



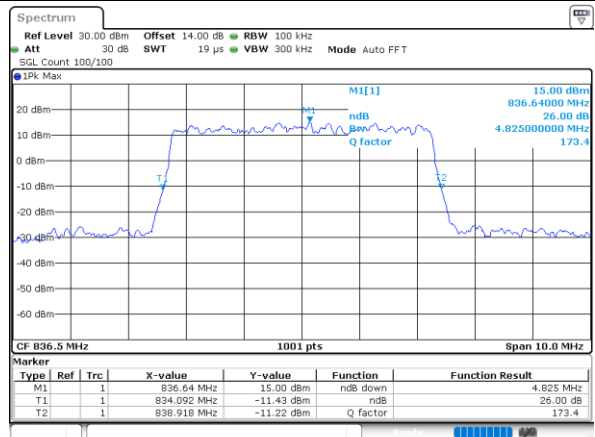
Date: 12,SEP,2024 09:07:40

Middle Channel / 5MHz / QPSK



Date: 12,SEP,2024 09:25:20

Middle Channel / 5MHz / 16QAM

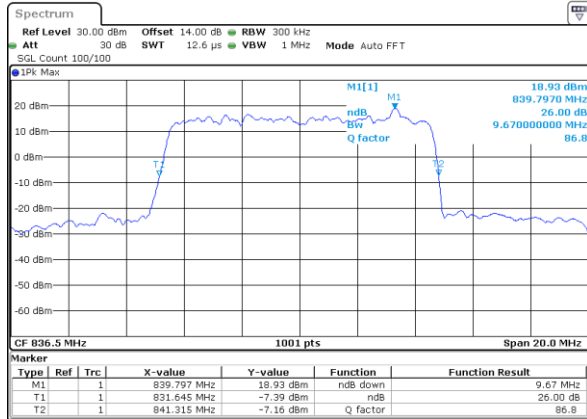


Date: 12,SEP,2024 09:26:00

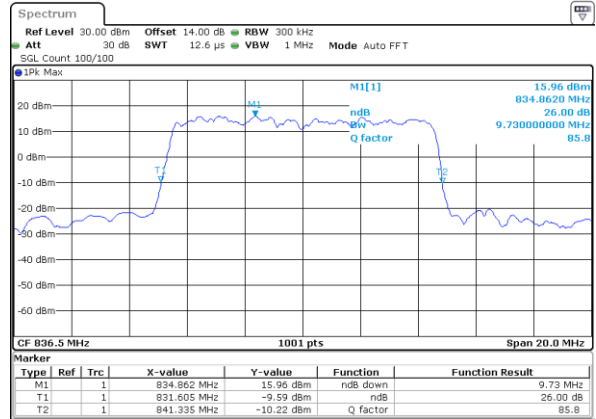


LTE Band 26

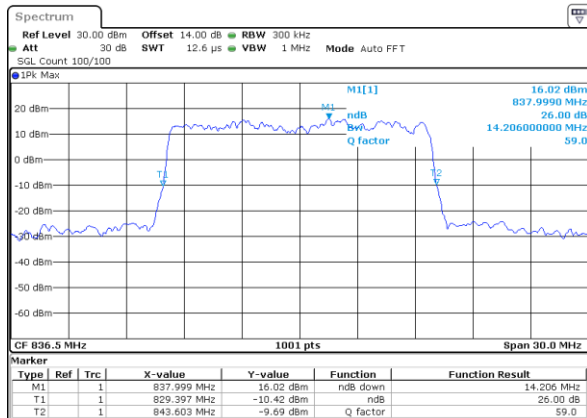
Middle Channel / 10MHz / QPSK



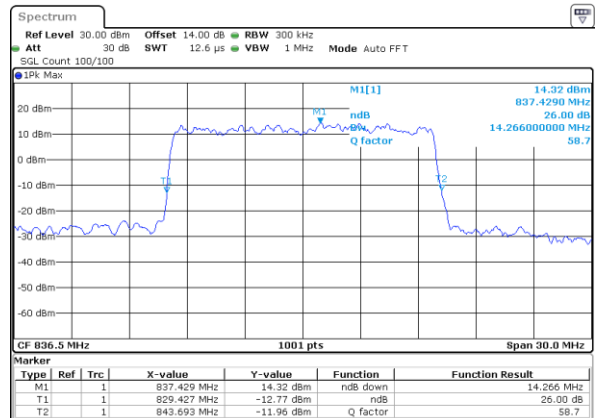
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



Middle Channel / 15MHz / 16QAM





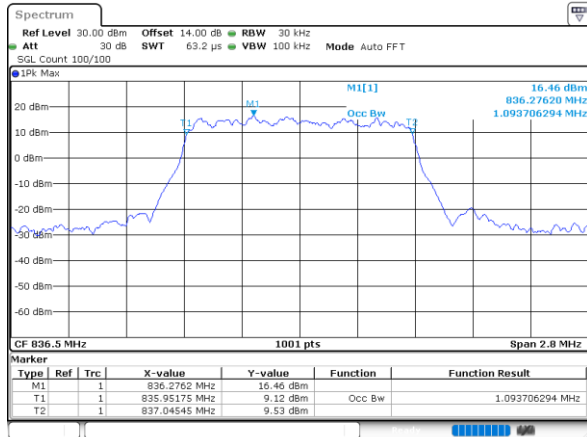
Occupied Bandwidth

Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		CH26790	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.09	2.71	2.72	4.47	4.47	9.09	9.03	13.46	13.40	13.43	13.46

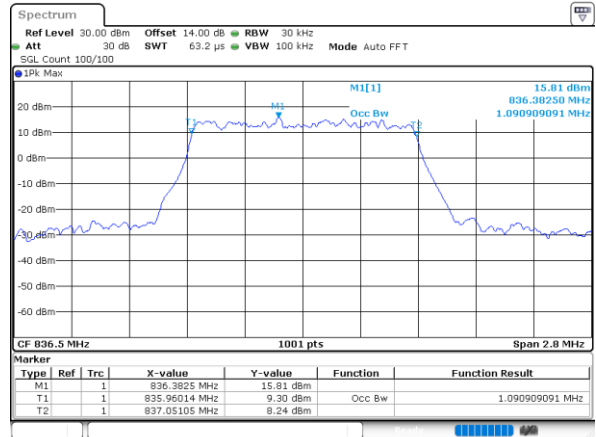


LTE Band 26

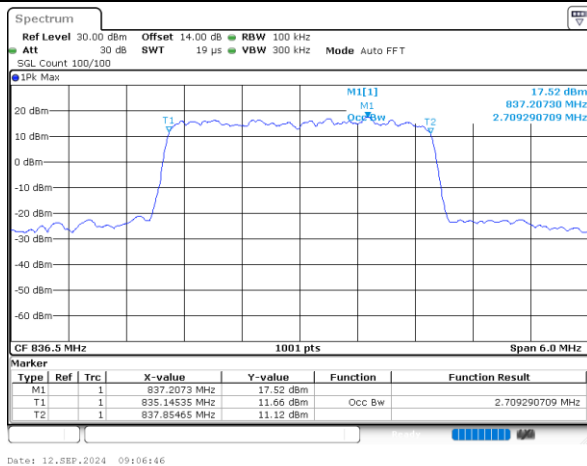
Middle Channel / 1.4MHz / QPSK



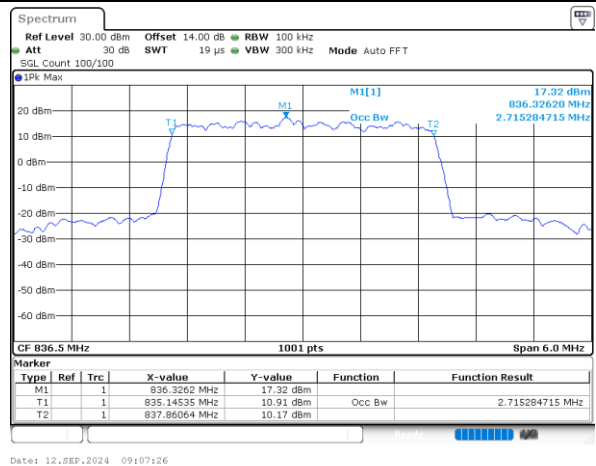
Middle Channel / 1.4MHz / 16QAM



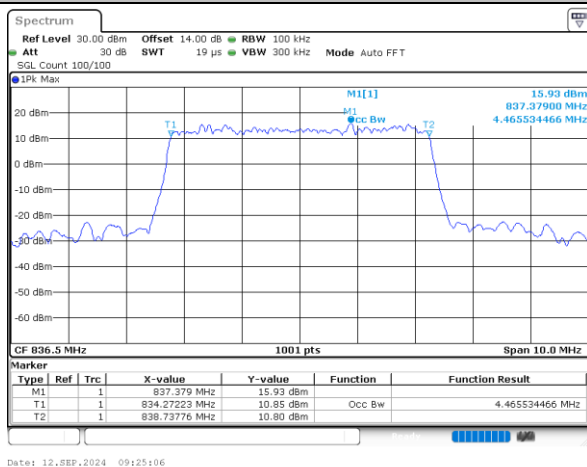
Middle Channel / 3MHz / QPSK



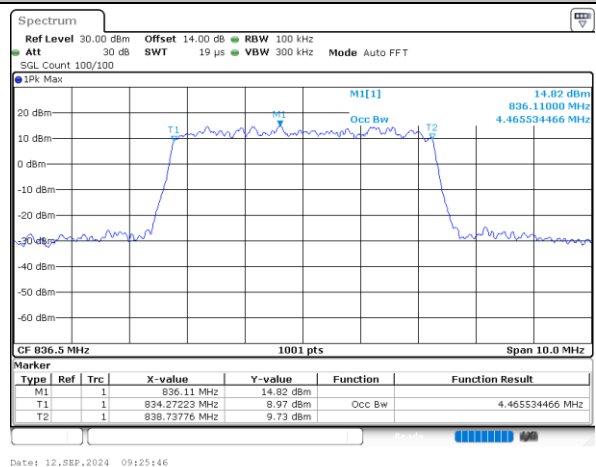
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



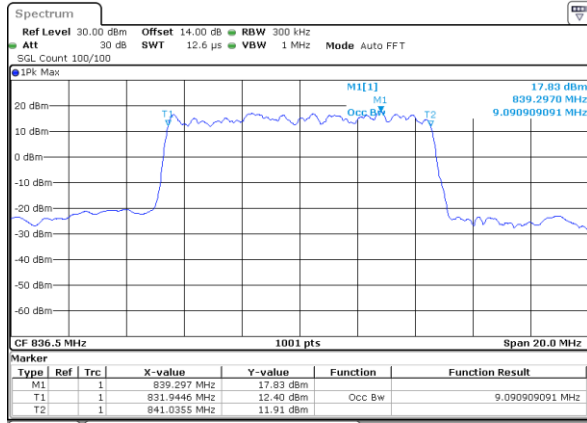
Middle Channel / 5MHz / 16QAM





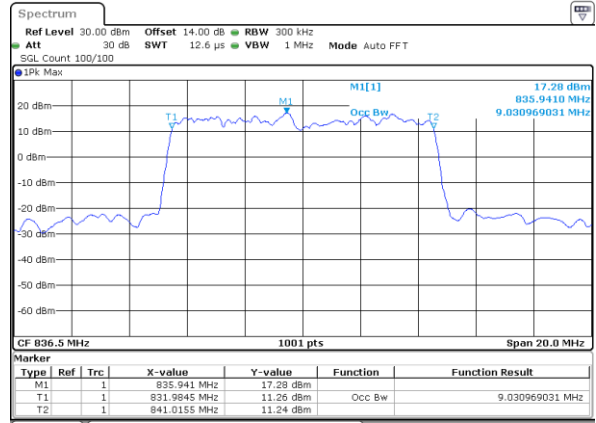
LTE Band 26

Middle Channel / 10MHz / QPSK



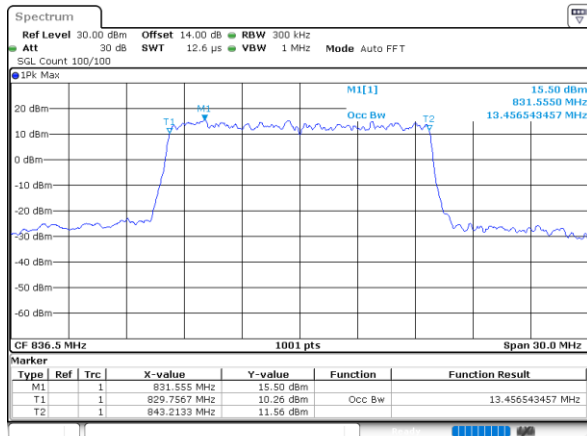
Date: 12,SEP,2024 09:43:20

Middle Channel / 10MHz / 16QAM



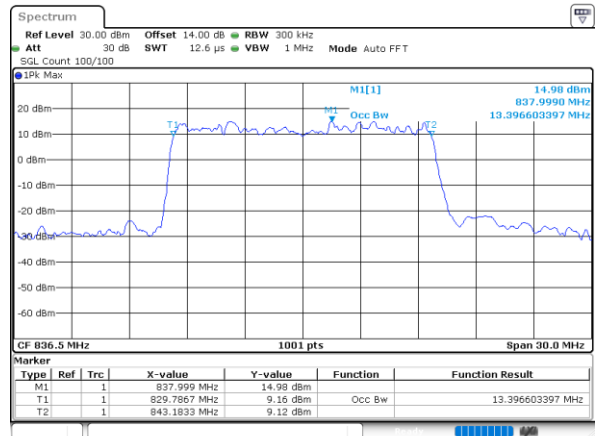
Date: 12,SEP,2024 09:44:07

Middle Channel / 15MHz / QPSK



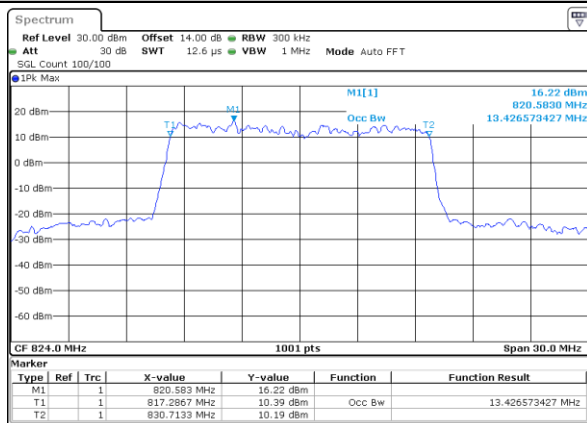
Date: 12,SEP,2024 10:01:44

Middle Channel / 15MHz / 16QAM



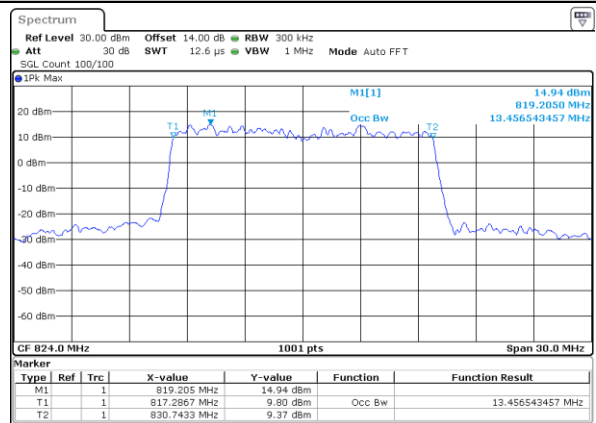
Date: 12,SEP,2024 10:02:24

Channel 26790 / 15MHz / QPSK



Date: 12,SEP,2024 11:39:55

Channel 26790 / 15MHz / 16QAM



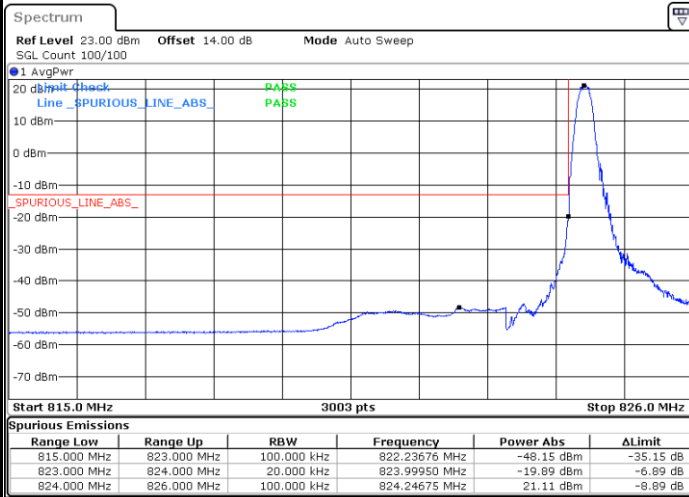
Date: 12,SEP,2024 11:40:49



Conducted Band Edge

LTE Band 26 / 1.4MHz / QPSK

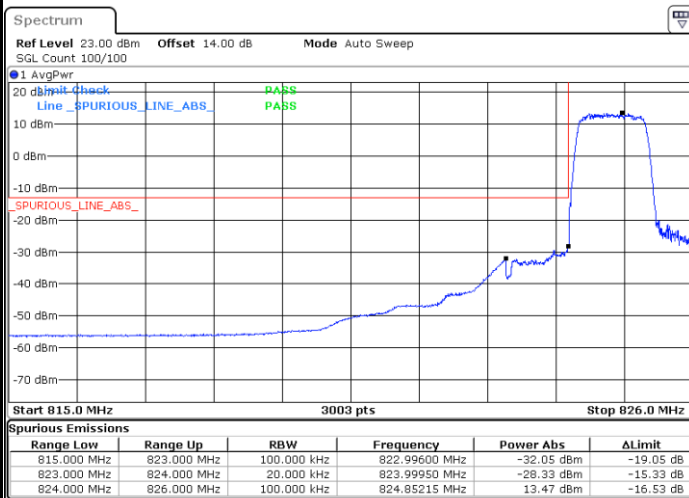
Lowest Band Edge / 1RB



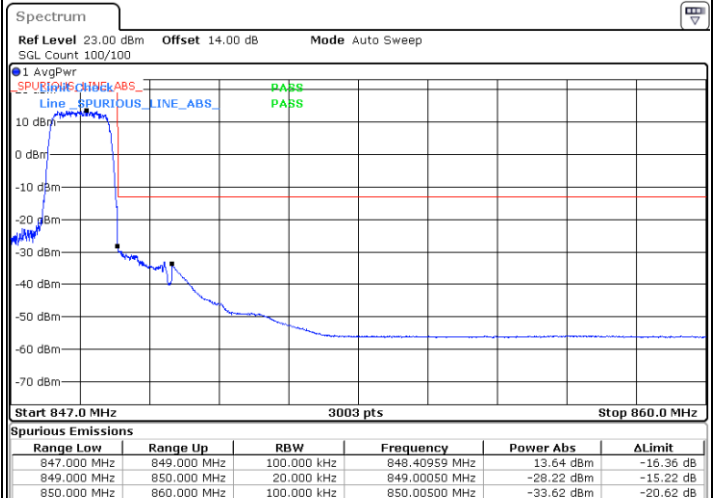
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



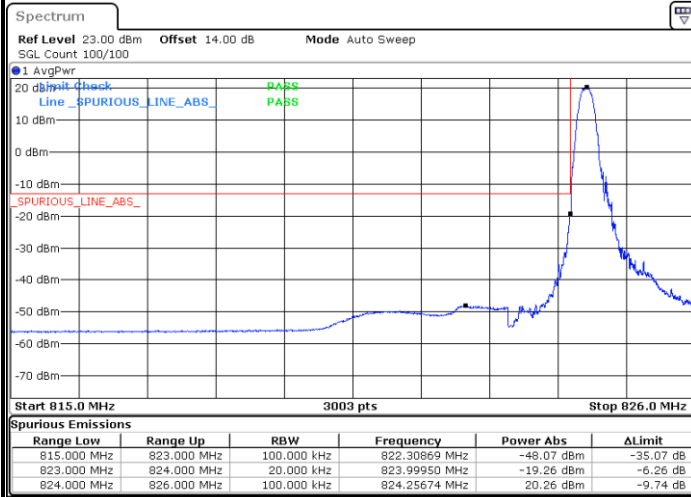
Highest Band Edge / Full RB





LTE Band 26 / 1.4MHz / 16QAM

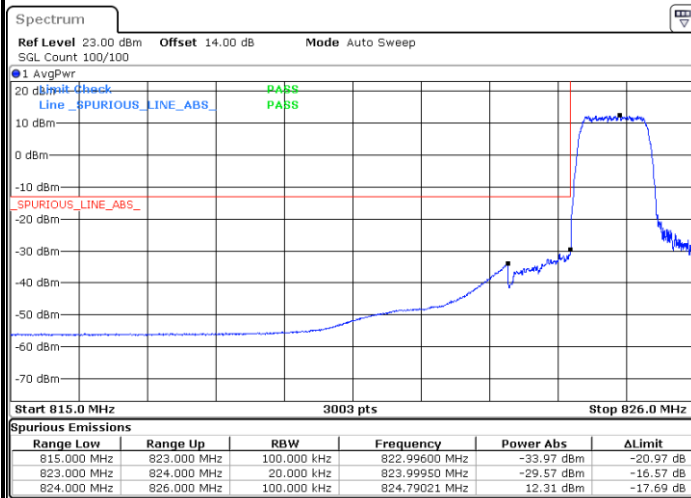
Lowest Band Edge / 1 RB



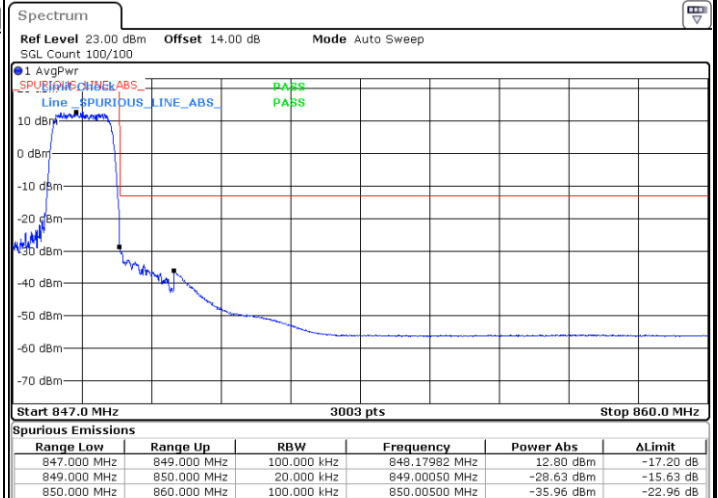
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



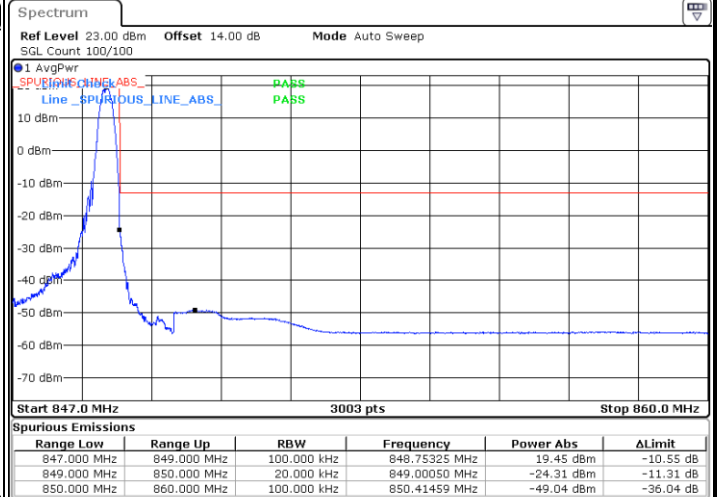


LTE Band 26 / 1.4MHz / 64QAM

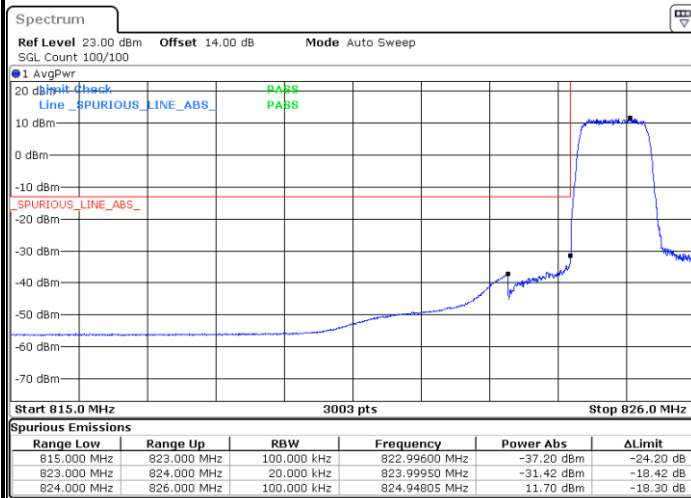
Lowest Band Edge / 1 RB



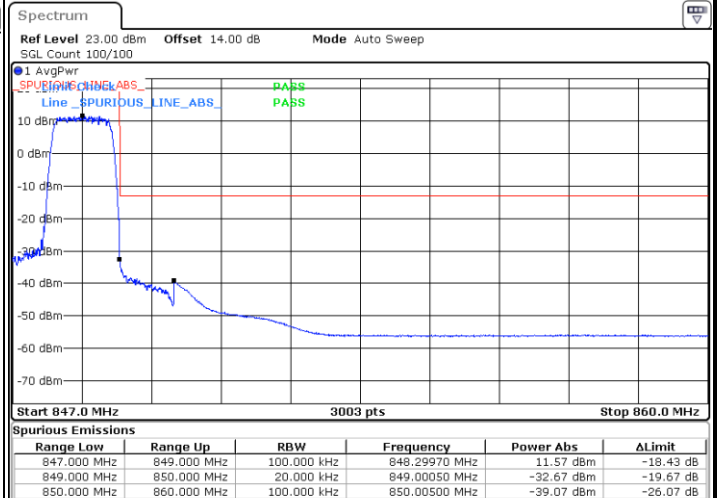
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



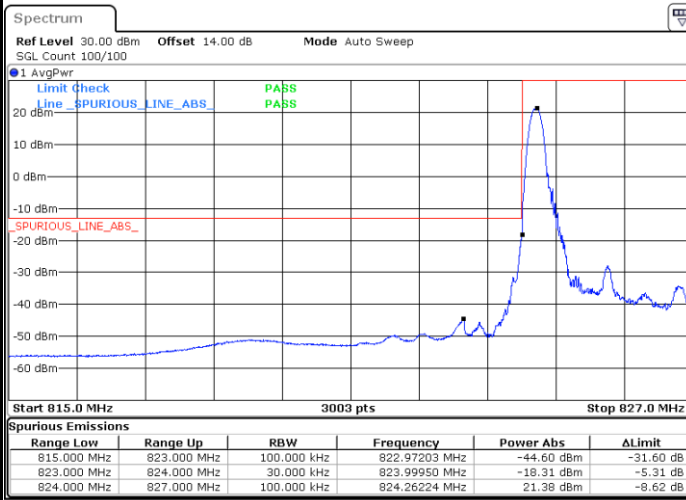
Highest Band Edge / Full RB



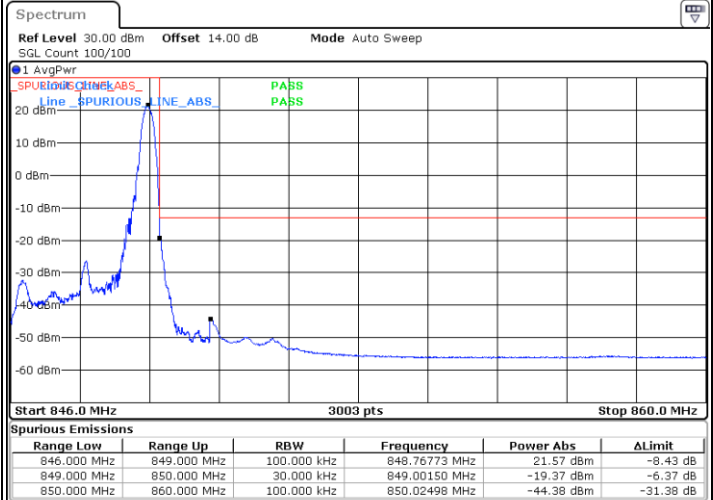


LTE Band 26 / 3MHz / QPSK

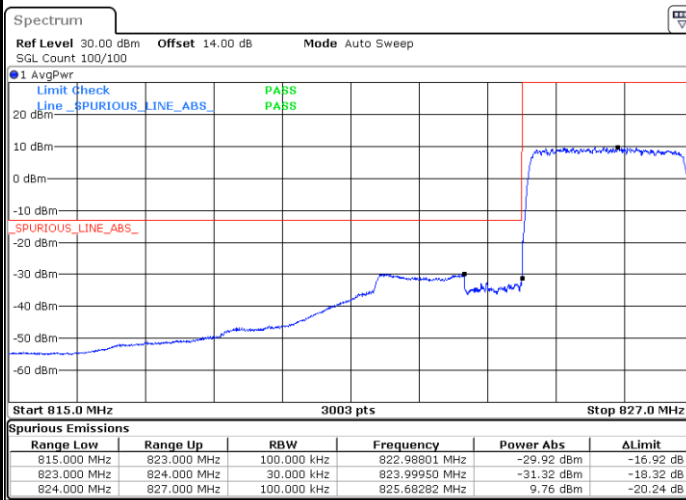
Lowest Band Edge / 1RB



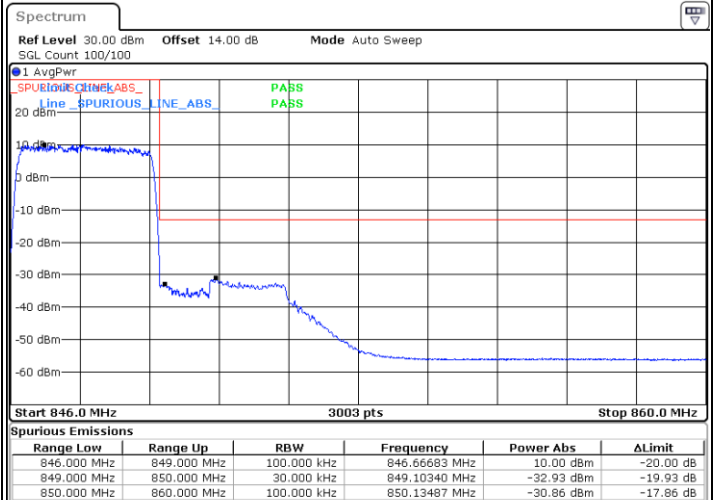
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



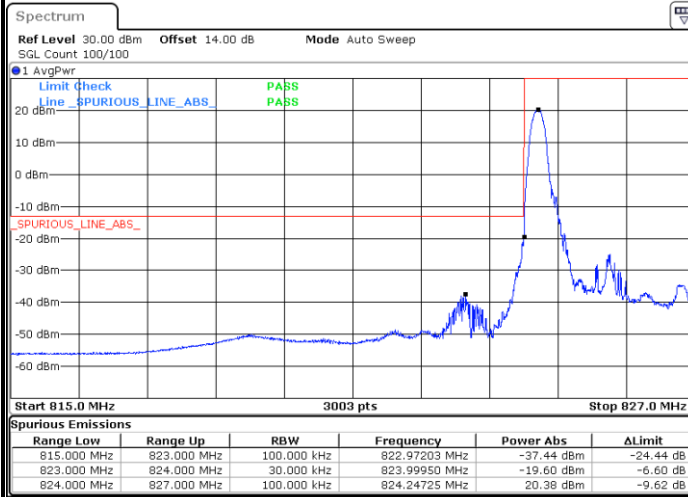
Highest Band Edge / Full RB



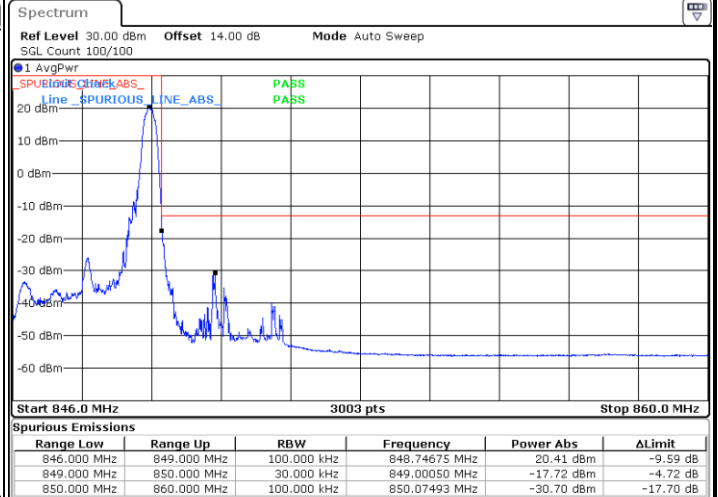


LTE Band 26 / 3MHz / 16QAM

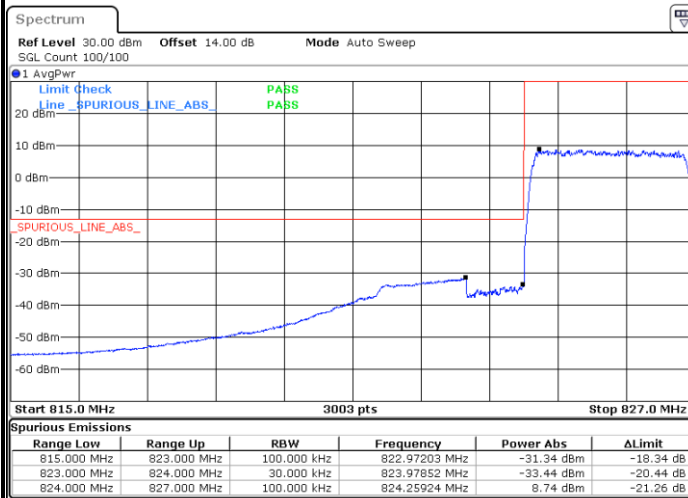
Lowest Band Edge / 1 RB



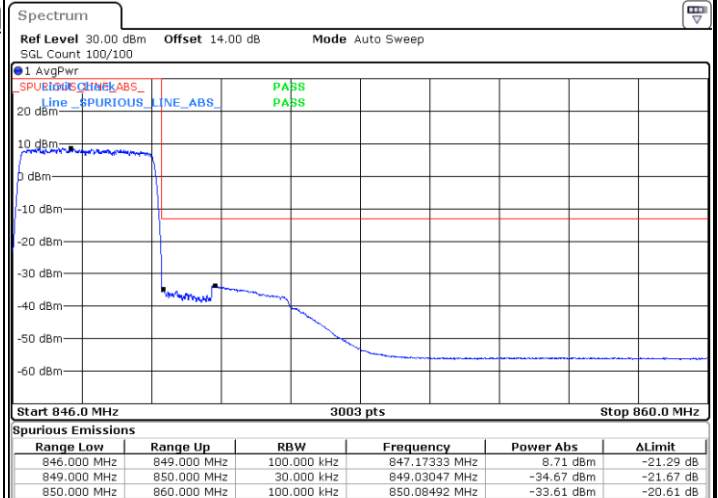
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



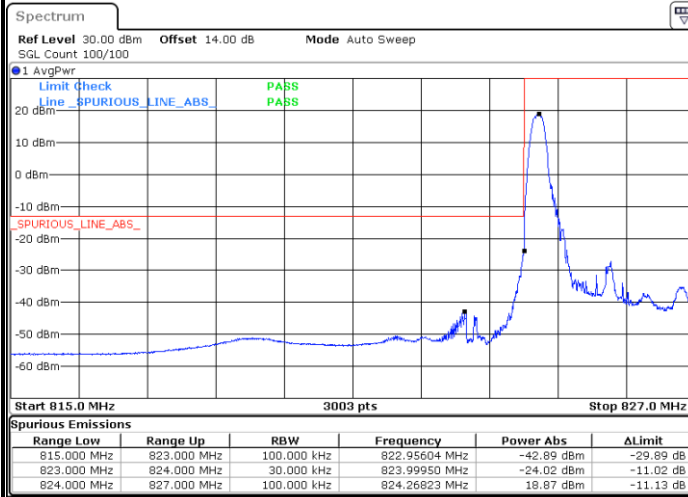
Highest Band Edge / Full RB





LTE Band 26 / 3MHz / 64QAM

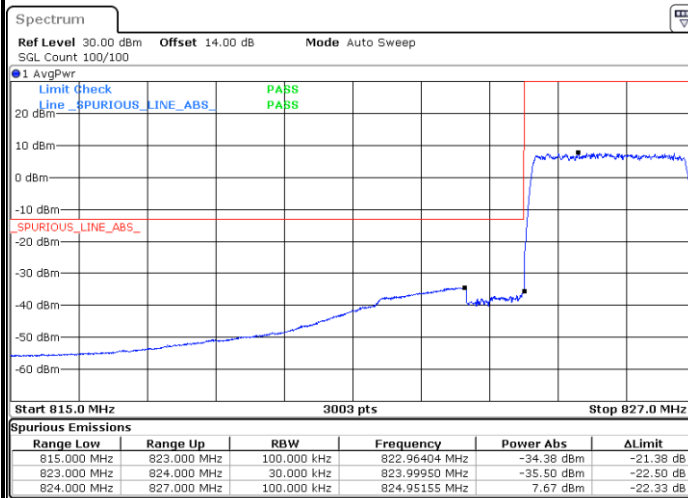
Lowest Band Edge / 1 RB



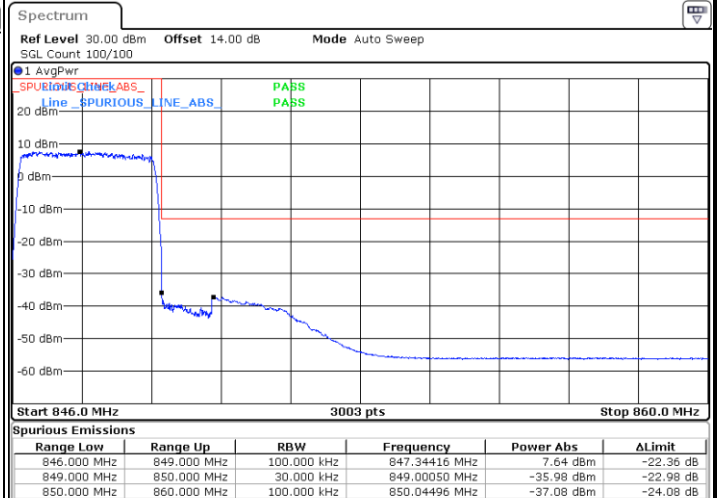
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



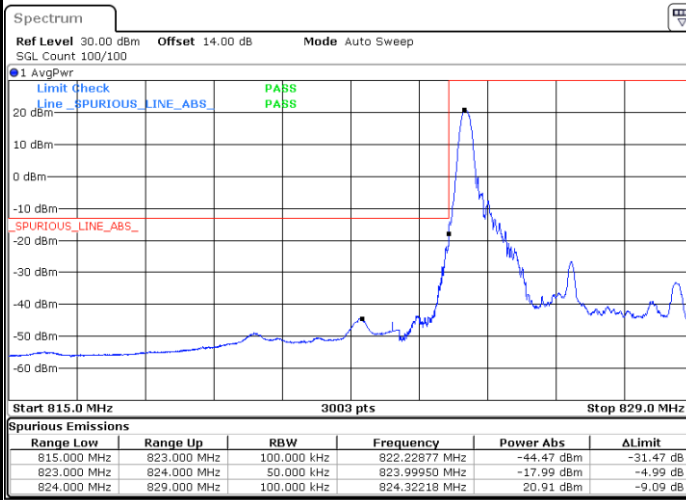
Highest Band Edge / Full RB





LTE Band 26 / 5MHz / QPSK

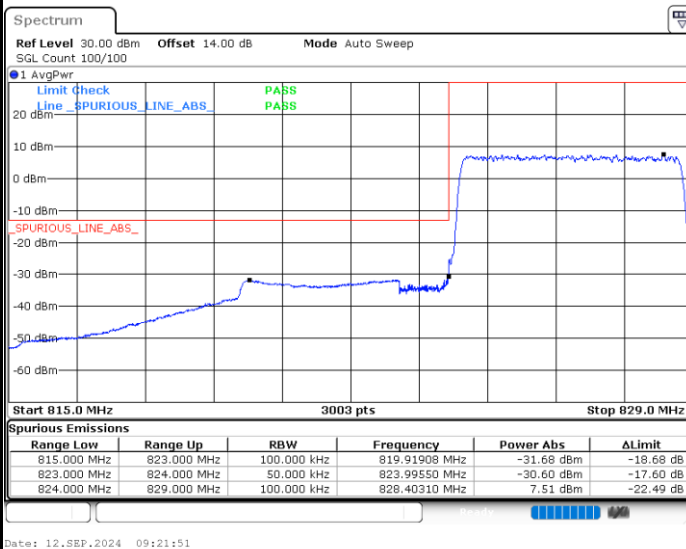
Lowest Band Edge / 1RB



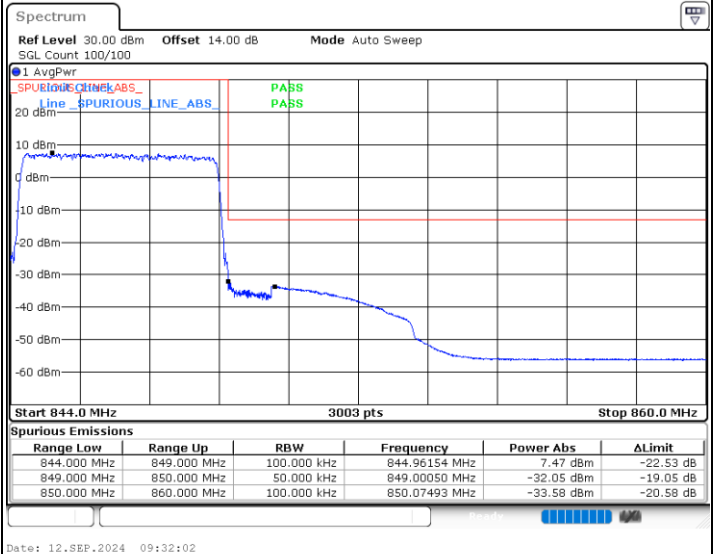
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



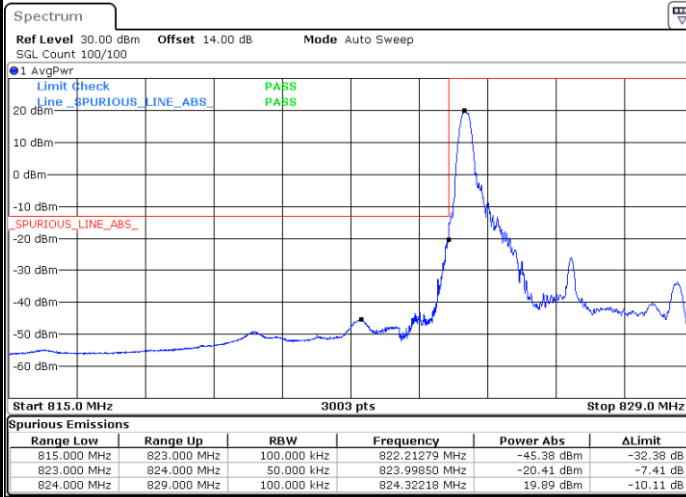
Highest Band Edge / Full RB





LTE Band 26 / 5MHz / 16QAM

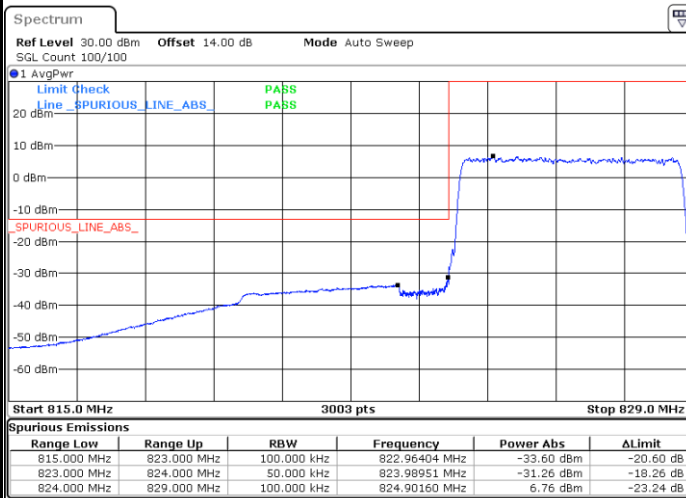
Lowest Band Edge / 1 RB



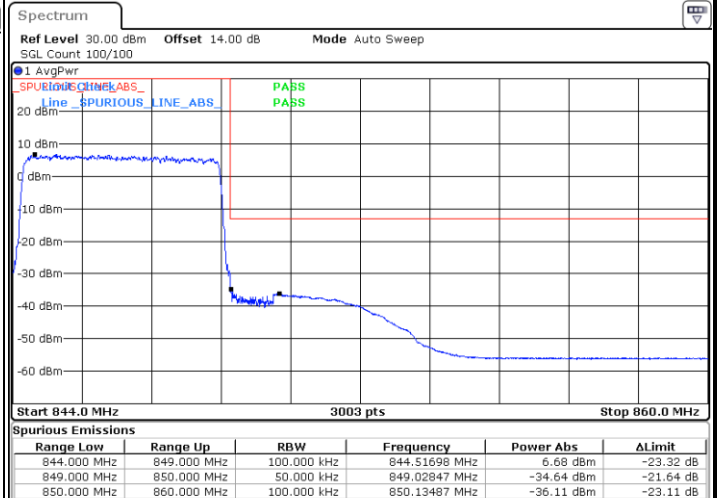
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



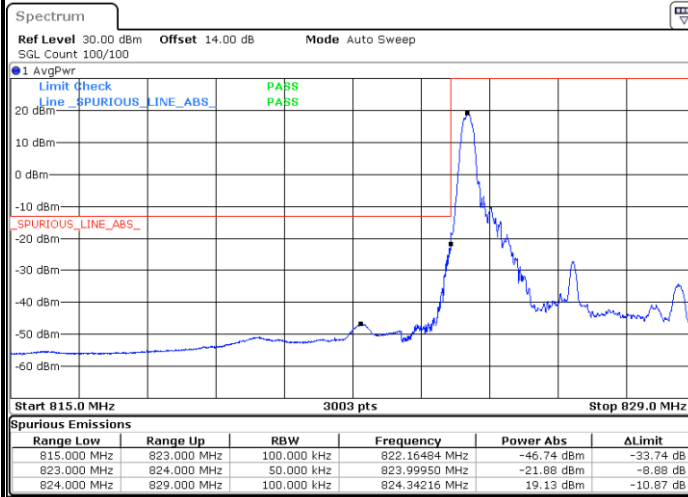
Highest Band Edge / Full RB





LTE Band 26 / 5MHz / 64QAM

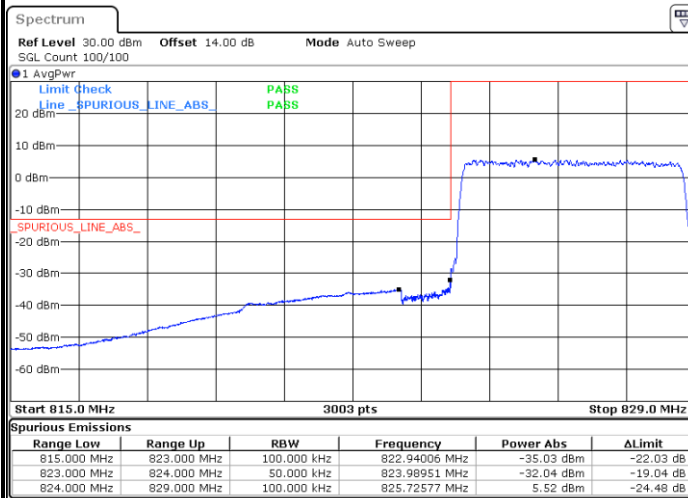
Lowest Band Edge / 1 RB



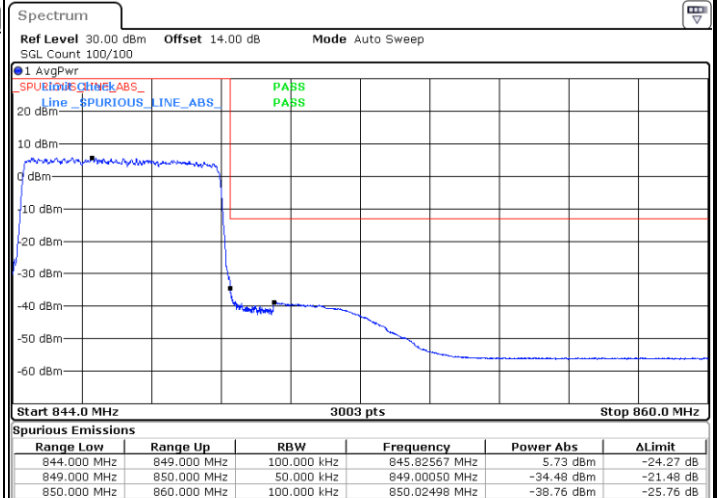
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



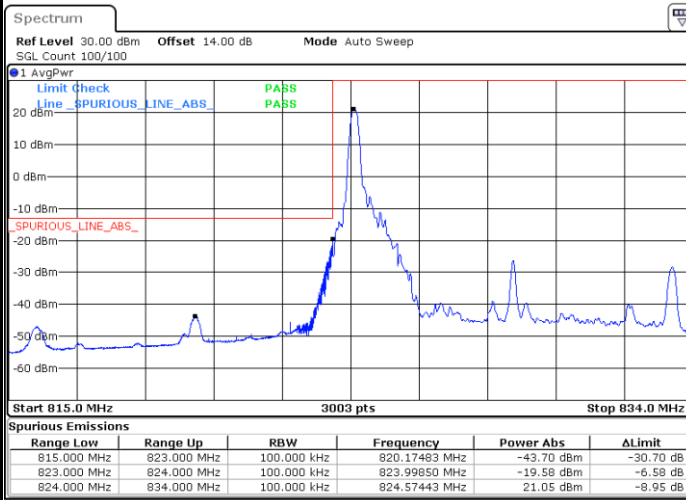
Highest Band Edge / Full RB



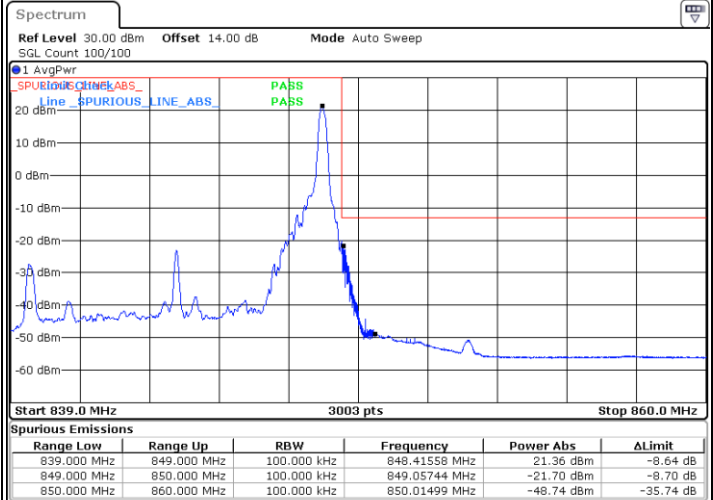


LTE Band 26 / 10MHz / QPSK

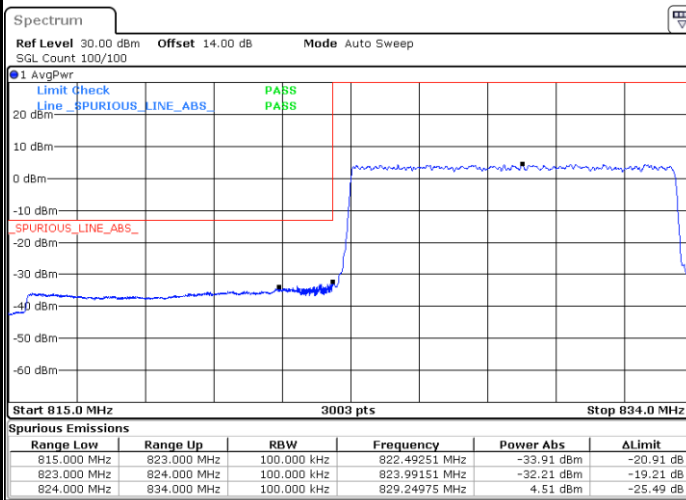
Lowest Band Edge / 1RB



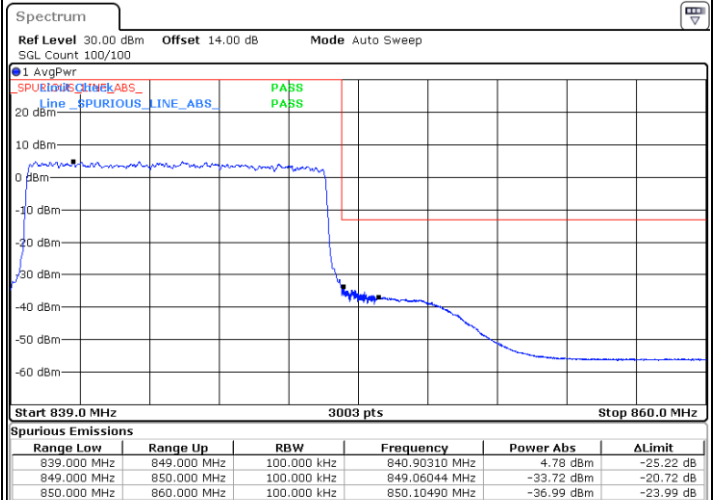
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



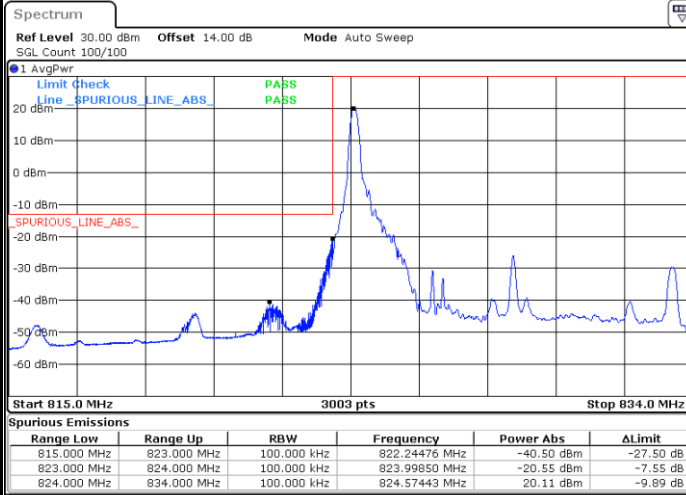
Highest Band Edge / Full RB



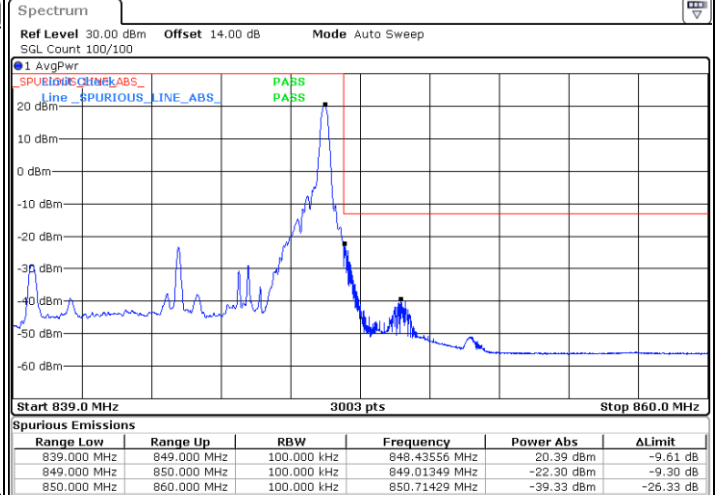


LTE Band 26 / 10MHz / 16QAM

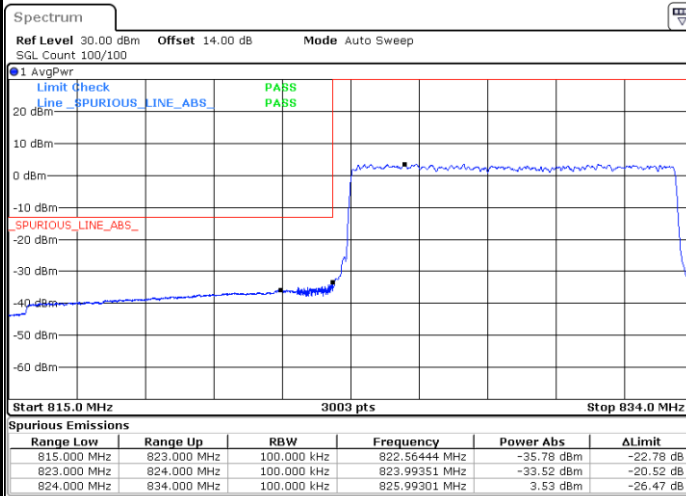
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

