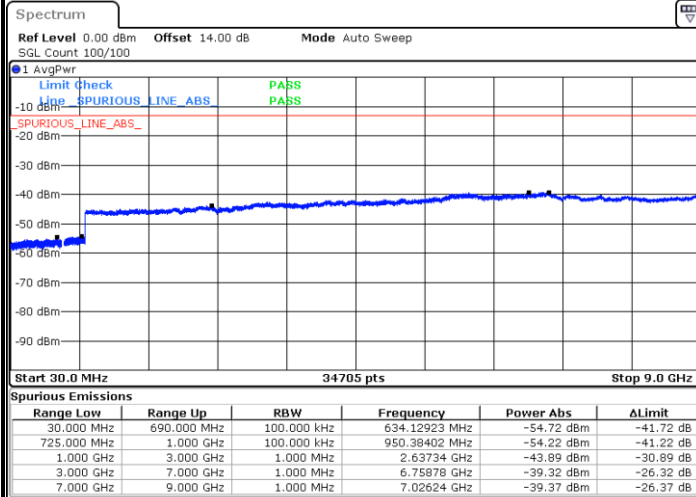




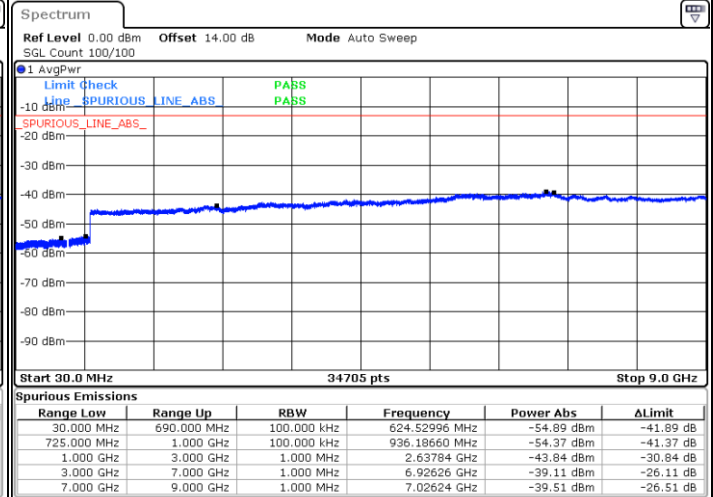
LTE Band 12 / 10MHz

Lowest Channel / QPSK



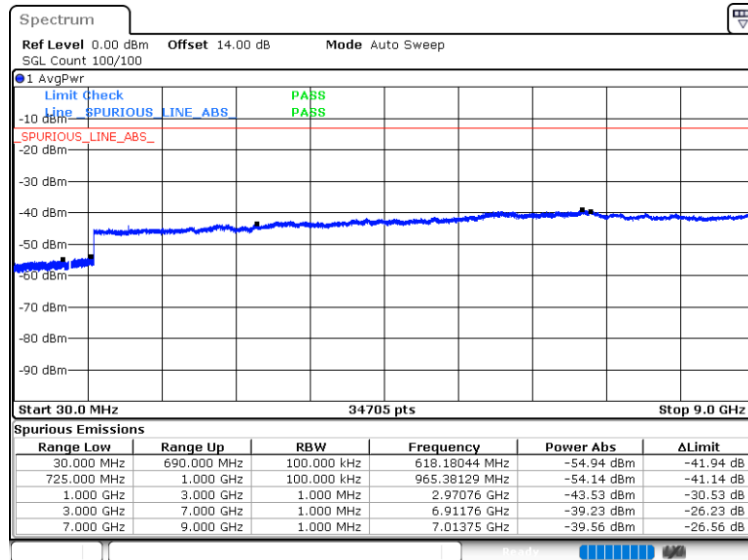
Date: 11.JUL.2025 18:28:30

Middle Channel / QPSK



Date: 11.JUL.2025 18:29:30

Highest Channel / QPSK



Date: 11.JUL.2025 18:36:54

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 1.4MHz	Note 2.
		Frequency Offset (Δf) (Hz)	Result
50	Normal Voltage	1.3	PASS
40	Normal Voltage	-1.5	
30	Normal Voltage	1.7	
20(Ref.)	Normal Voltage	1.1	
10	Normal Voltage	1.6	
0	Normal Voltage	-1.9	
-10	Normal Voltage	2.3	
-20	Normal Voltage	1.3	
-30	Normal Voltage	2.5	
20	Maximum Voltage	2.4	
20	Normal Voltage	1.1	
20	Battery End Point	-1.3	

Note:

1. Normal Voltage = 8 V. ; Battery End Point (BEP) = 7.2 V. ; Maximum Voltage = 9 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

$$|MAX(\Delta f)| = 2.5\text{Hz}$$

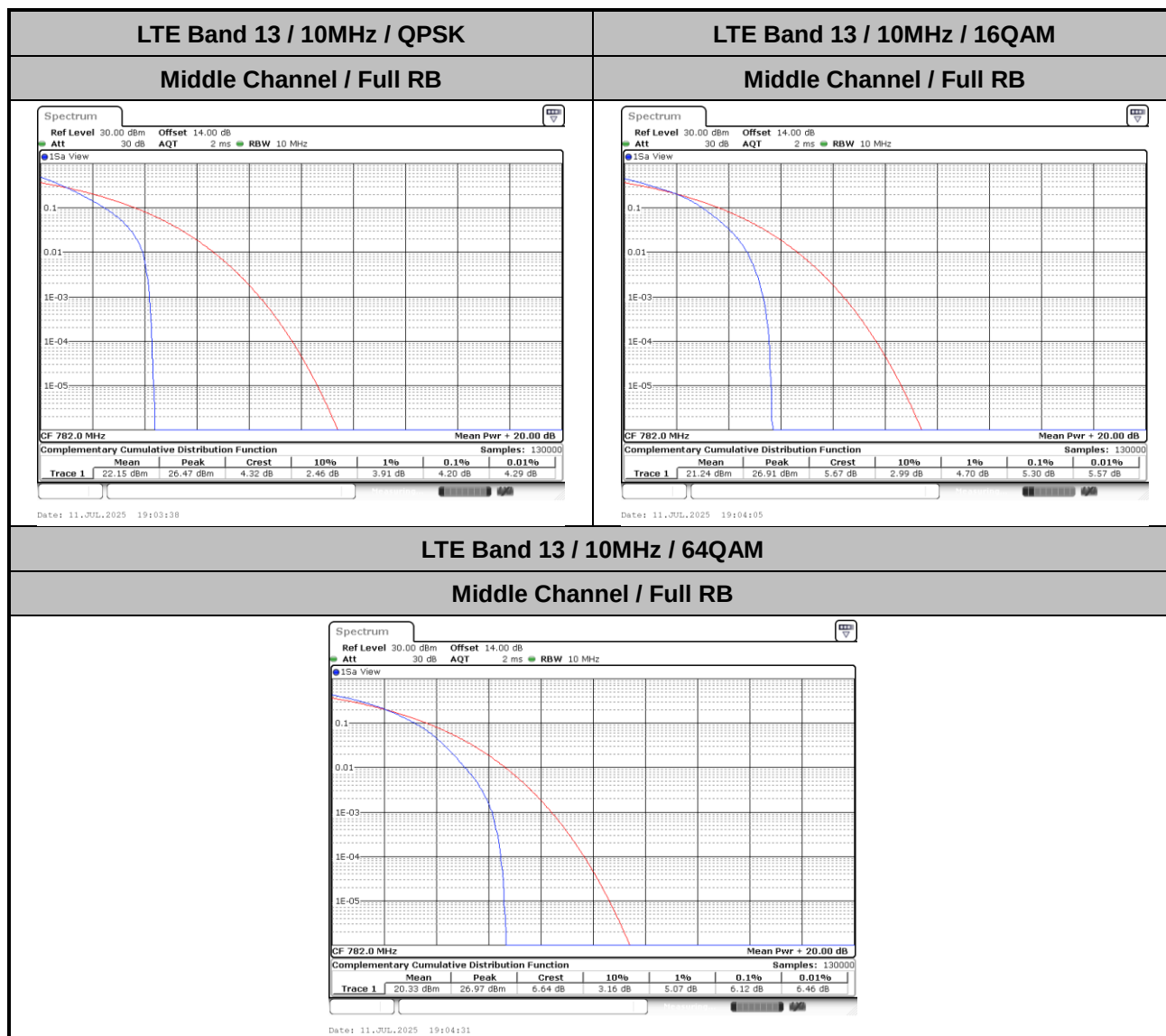
Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - MAX(\Delta f) $	699.148948	$\geq 699\text{ MHz}$	PASS
$f_H + MAX(\Delta f) $	715.848253	$\leq 716\text{ MHz}$	



LTE Band 13

Peak-to-Average Ratio

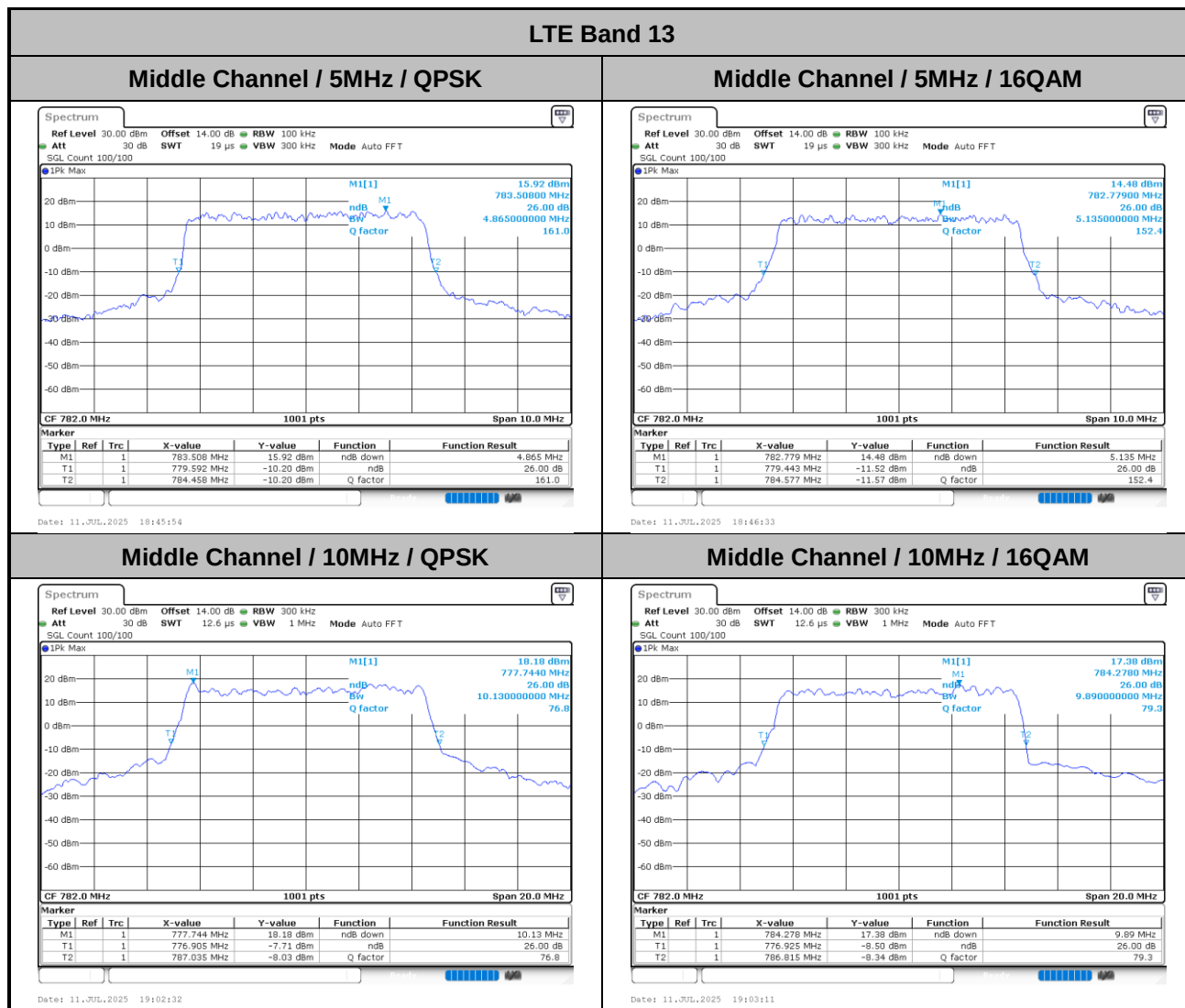
Mode	LTE Band 13 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.20	5.30	6.12	PASS





26dB Bandwidth

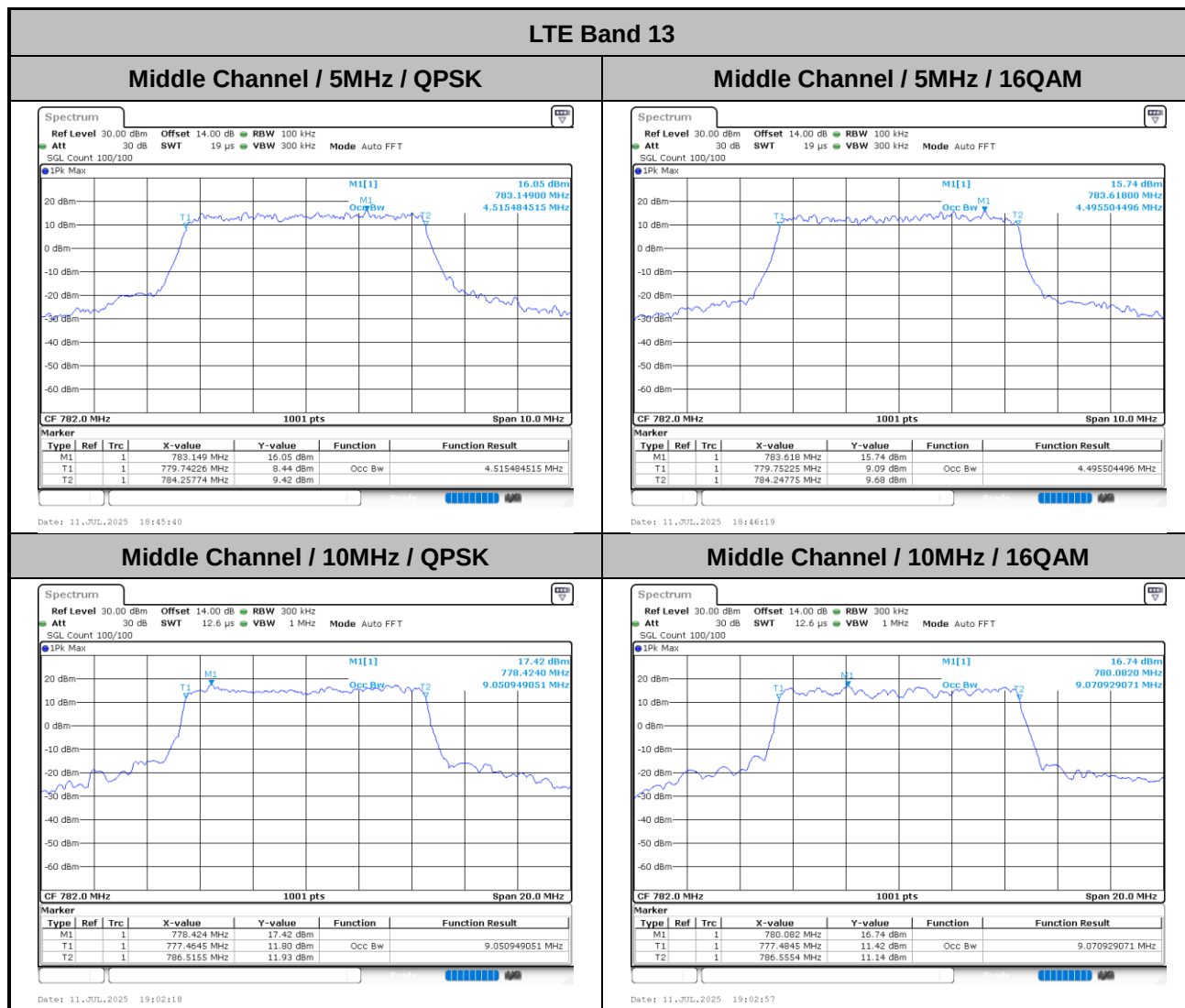
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.87	5.14	10.13	9.89	-	-	-	-





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	-	-	-	-	4.52	4.50	9.05	9.07	-	-	-	-

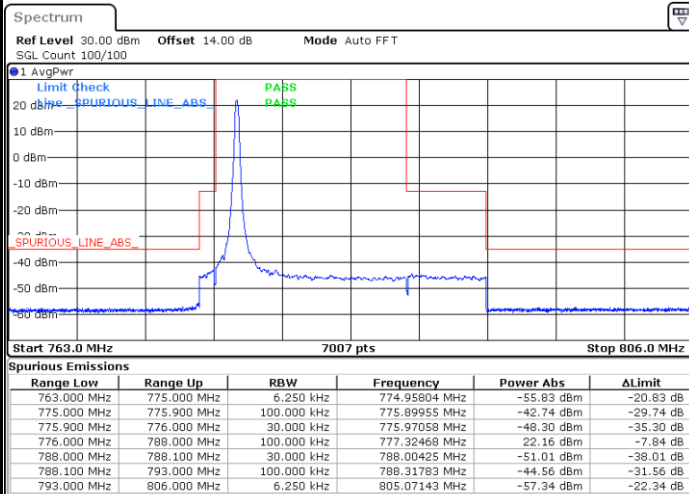




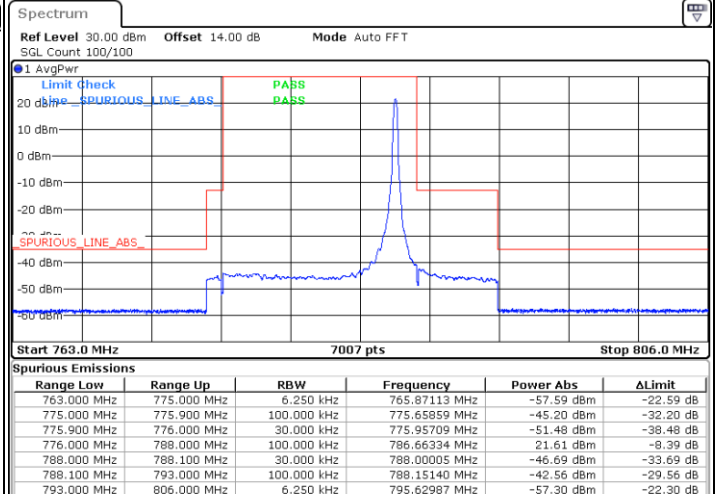
Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

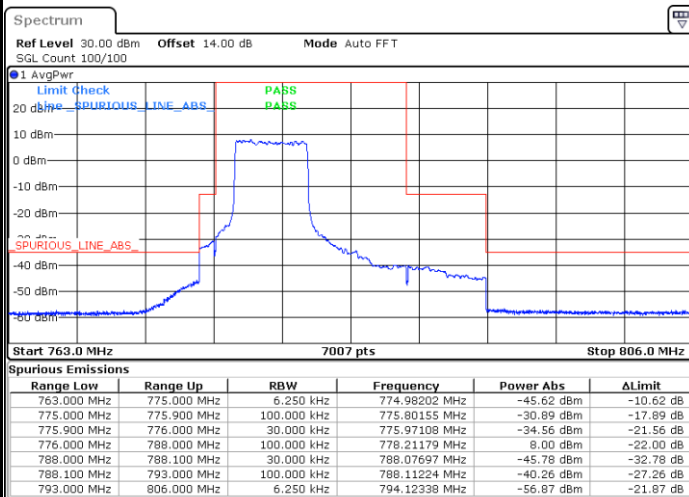
Lowest Band Edge / 1 RB



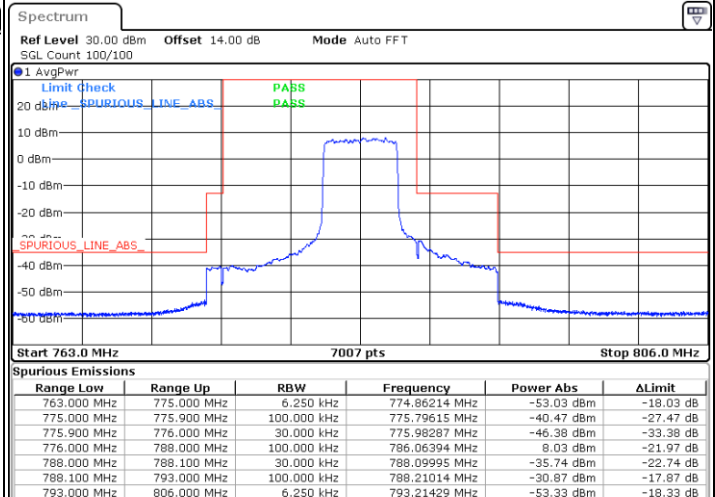
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



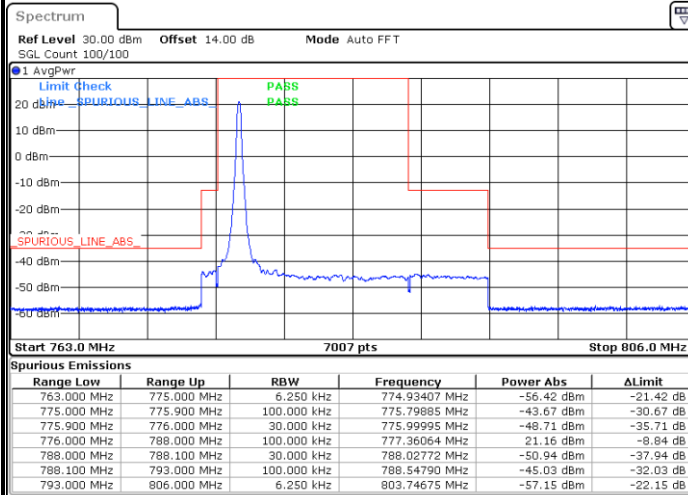
Highest Band Edge / Full RB





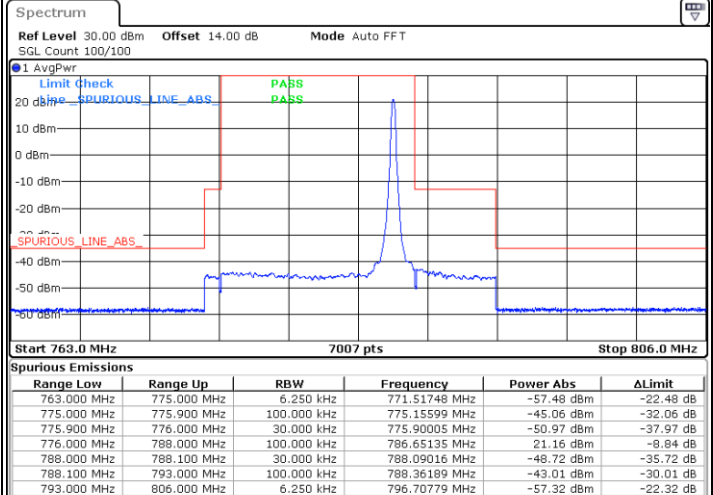
LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



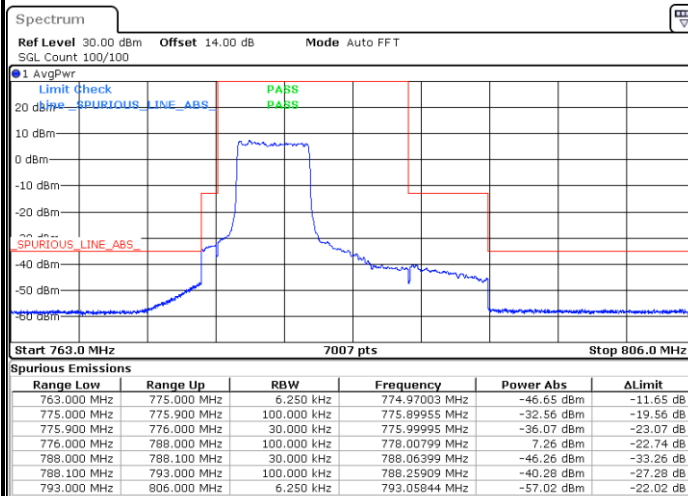
Date: 11.JUL.2025 18:39:51

Highest Band Edge / 1 RB



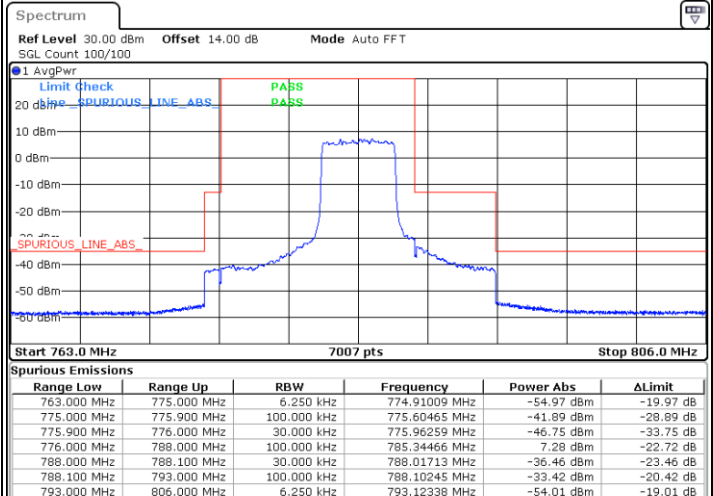
Date: 11.JUL.2025 18:48:14

Lowest Band Edge / Full RB



Date: 11.JUL.2025 18:42:23

Highest Band Edge / Full RB

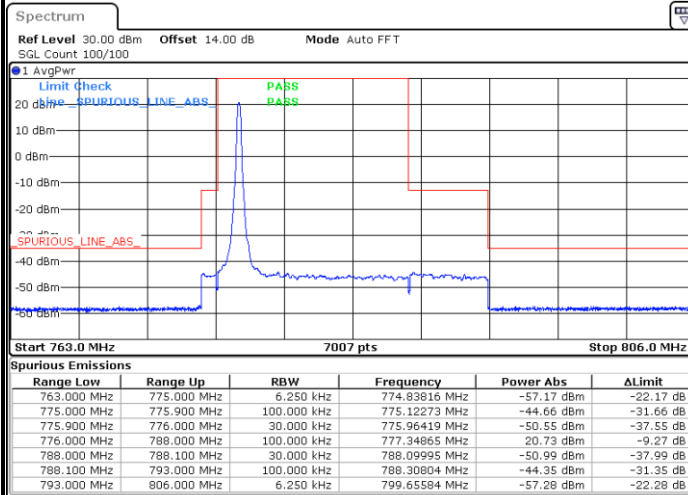


Date: 11.JUL.2025 18:50:47



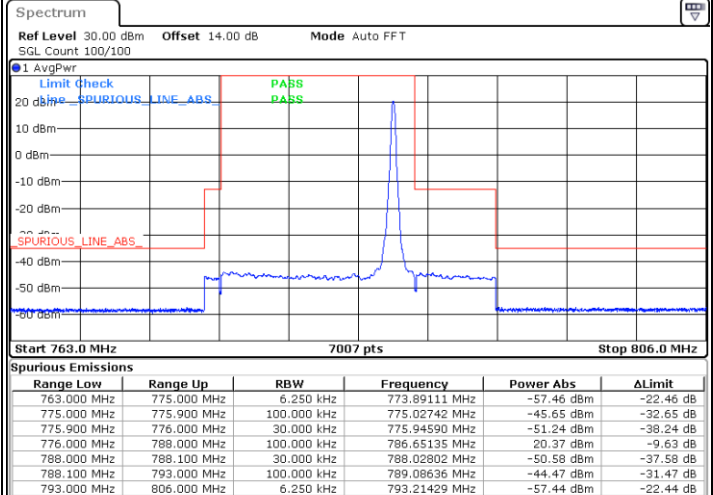
LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



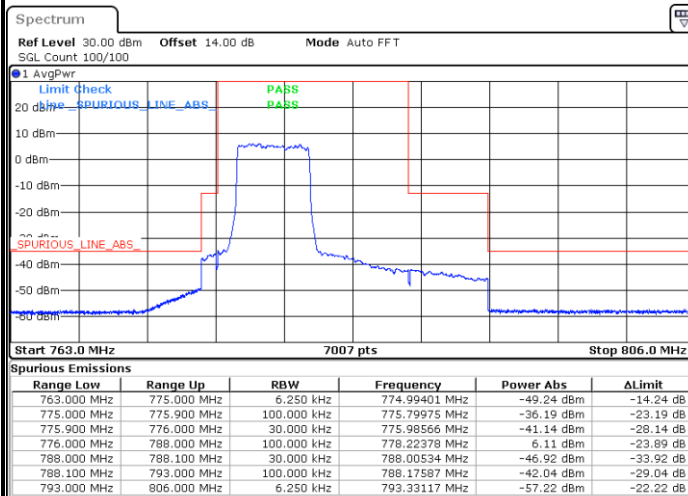
Date: 11.JUL.2025 18:40:41

Highest Band Edge / 1 RB



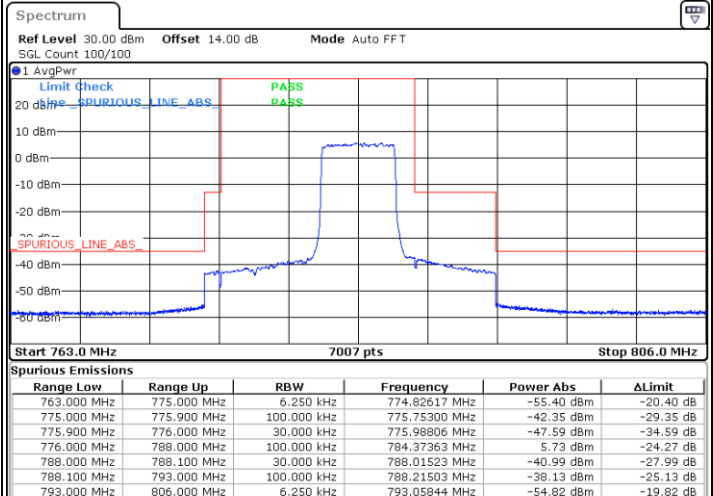
Date: 11.JUL.2025 18:49:05

Lowest Band Edge / Full RB



Date: 11.JUL.2025 18:43:14

Highest Band Edge / Full RB

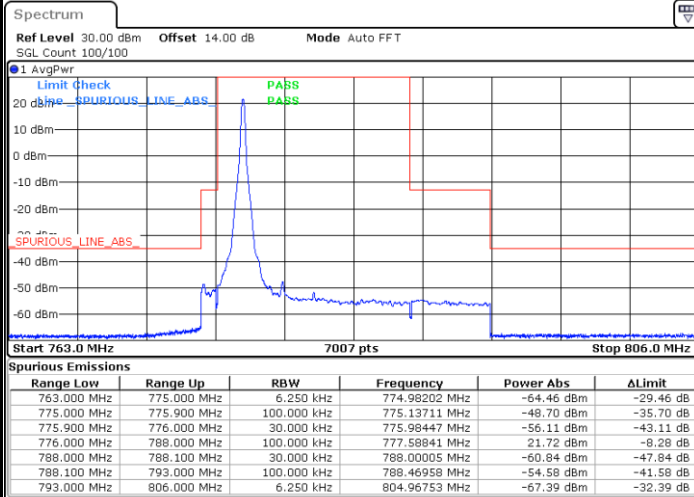


Date: 11.JUL.2025 18:51:37



LTE Band 13 / 10MHz / QPSK

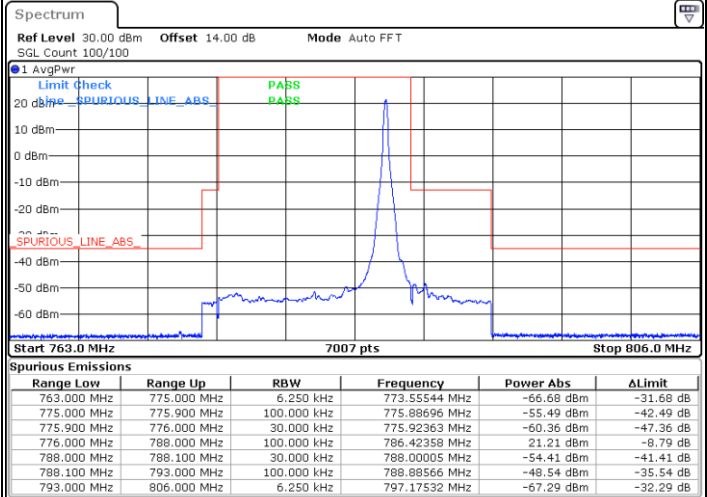
Band Edge / 1 RB



Date: 11.JUL.2025 18:54:11

LTE Band 13 / 10MHz / QPSK

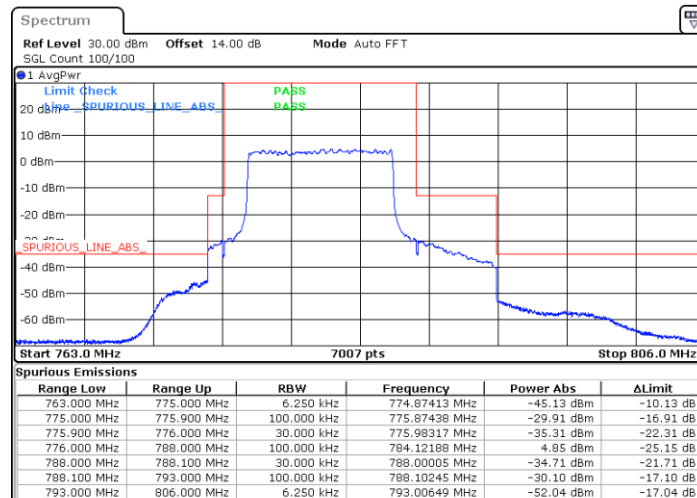
Band Edge / 1 RB



Date: 11.JUL.2025 18:56:41

LTE Band 13 / 10MHz / QPSK

Band Edge / Full RB



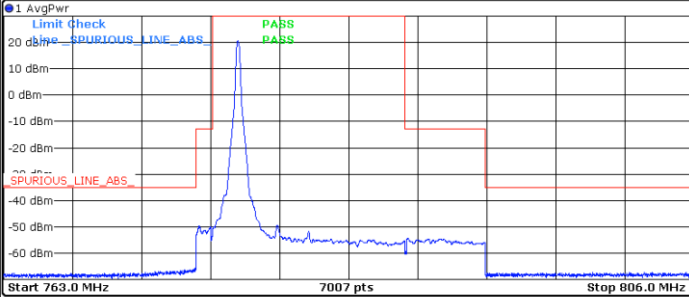
Date: 11.JUL.2025 18:59:12



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

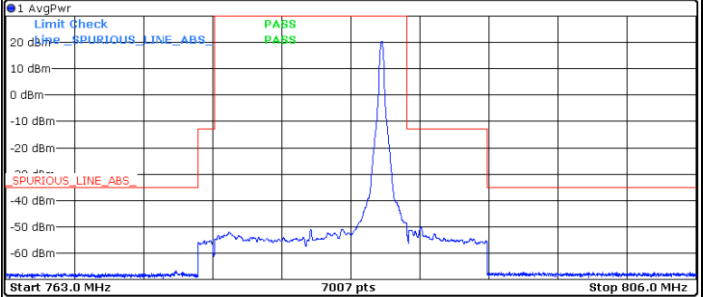
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.99401 MHz	-65.54 dBm	-30.54 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.17128 MHz	-49.73 dBm	-36.73 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99995 MHz	-53.13 dBm	-40.13 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.57642 MHz	20.69 dBm	-9.31 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05250 MHz	-59.53 dBm	-46.53 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.16608 MHz	-54.42 dBm	-41.42 dB
793.000 MHz	806.000 MHz	6.250 kHz	801.95455 MHz	-67.40 dBm	-32.40 dB

Date: 11.JUL.2025 18:55:01

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

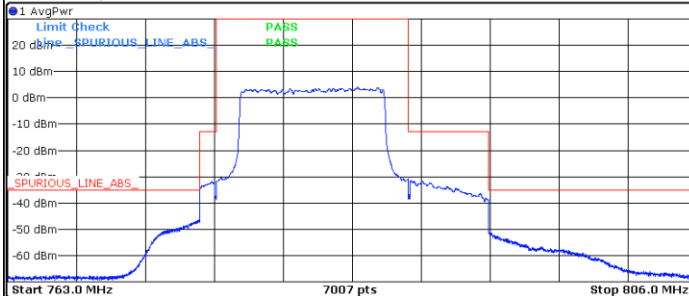
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.60340 MHz	-66.52 dBm	-31.52 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.75659 MHz	-55.27 dBm	-42.27 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99995 MHz	-60.01 dBm	-47.01 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.41159 MHz	20.48 dBm	-9.52 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00075 MHz	-53.31 dBm	-40.31 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.84161 MHz	-50.26 dBm	-37.26 dB
793.000 MHz	806.000 MHz	6.250 kHz	794.39610 MHz	-67.29 dBm	-32.29 dB

Date: 11.JUL.2025 18:57:31

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	774.99810 MHz	-46.46 dBm	-11.46 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.73232 MHz	-31.86 dBm	-19.86 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.95929 MHz	-37.33 dBm	-24.33 dB
776.000 MHz	788.000 MHz	100.000 kHz	784.81718 MHz	3.99 dBm	-26.01 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04331 MHz	-36.63 dBm	-23.63 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.15629 MHz	-31.61 dBm	-18.61 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.11039 MHz	-51.13 dBm	-16.13 dB

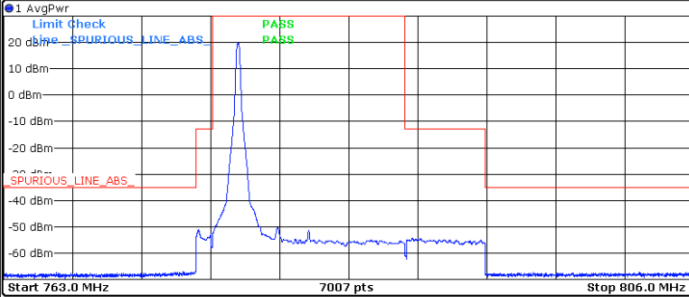
Date: 11.JUL.2025 19:00:02



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

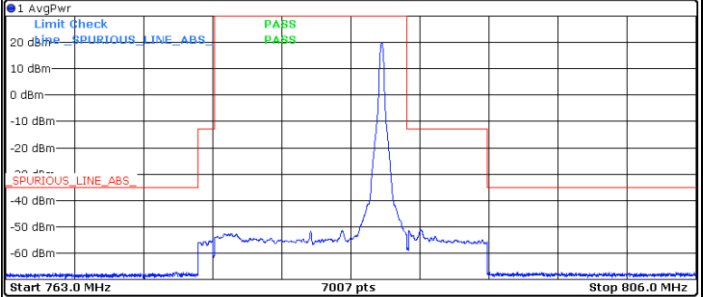
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.98202 MHz	-66.45 dBm	-31.45 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.12273 MHz	-51.20 dBm	-38.20 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99995 MHz	-57.50 dBm	-44.50 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.60040 MHz	-19.68 dBm	-10.32 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00005 MHz	-60.84 dBm	-47.84 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.45490 MHz	-54.50 dBm	-41.50 dB
793.000 MHz	806.000 MHz	6.250 kHz	802.62987 MHz	-67.41 dBm	-32.41 dB

Date: 11.JUL.2025 18:55:51

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

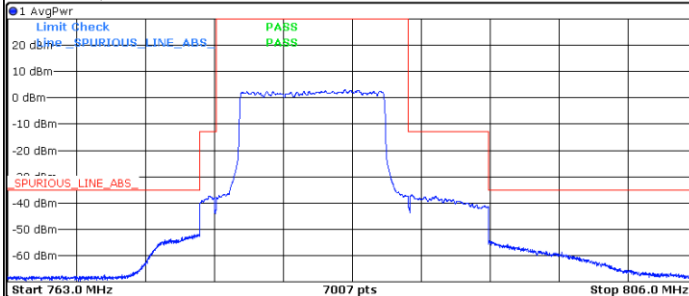
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.54346 MHz	-67.25 dBm	-32.25 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.70984 MHz	-55.26 dBm	-42.26 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99605 MHz	-60.88 dBm	-47.88 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.41159 MHz	-20.01 dBm	-9.99 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02063 MHz	-58.17 dBm	-45.17 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.84161 MHz	-51.17 dBm	-38.17 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.17532 MHz	-67.26 dBm	-32.26 dB

Date: 11.JUL.2025 18:58:22

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	774.67033 MHz	-51.91 dBm	-16.91 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.58576 MHz	-37.34 dBm	-24.34 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97398 MHz	-42.79 dBm	-29.79 dB
776.000 MHz	788.000 MHz	100.000 kHz	784.01399 MHz	3.01 dBm	-26.99 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00005 MHz	-41.82 dBm	-28.82 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.21014 MHz	-36.86 dBm	-23.86 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.07143 MHz	-54.46 dBm	-19.46 dB

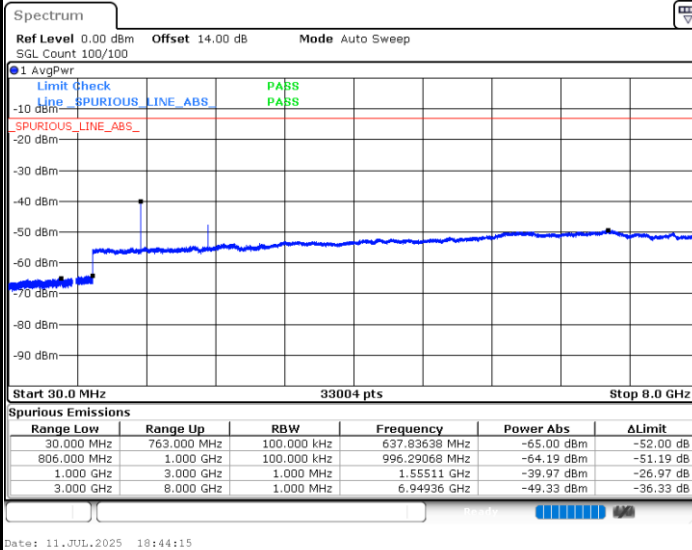
Date: 11.JUL.2025 19:00:52



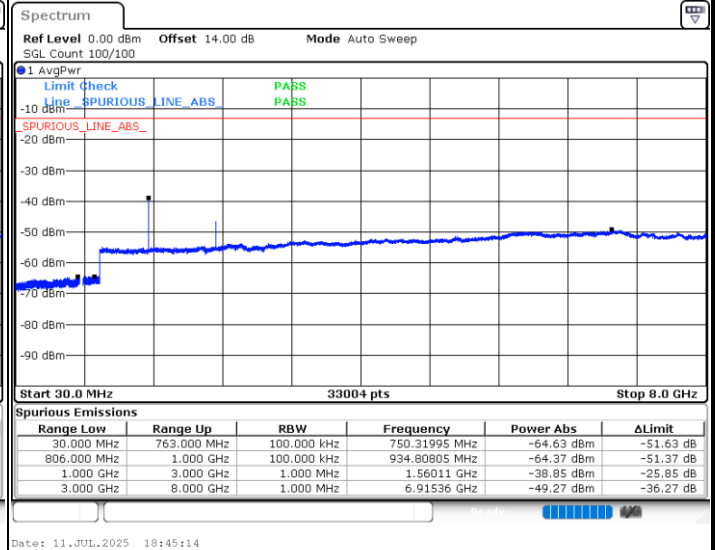
Conducted Spurious Emission

LTE Band 13 / 5MHz

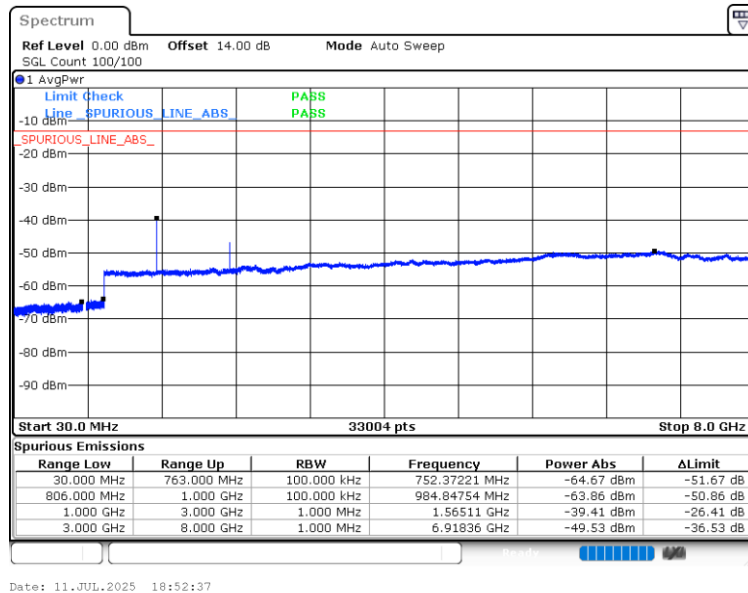
Lowest Channel / QPSK



Middle Channel / QPSK



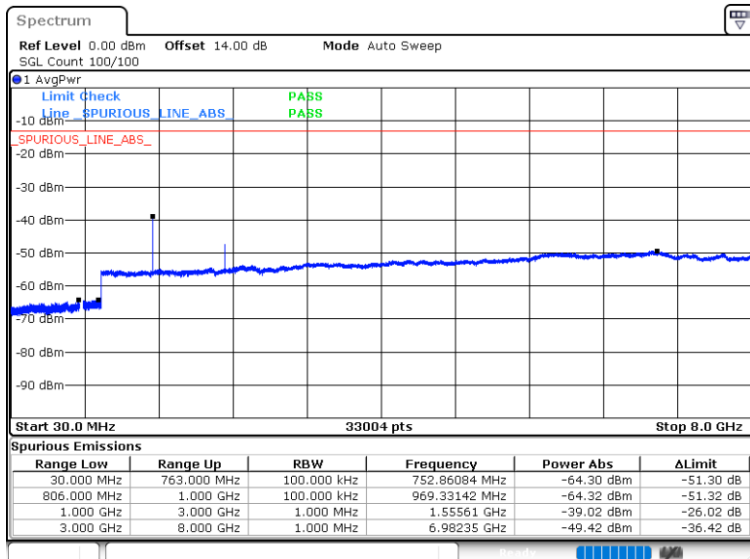
Highest Channel / QPSK





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 11.JUL.2025 19:01:52

Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	Note 2.
		Frequency Offset (Δf) (Hz)	Result
50	Normal Voltage	1.7	PASS
40	Normal Voltage	2.5	
30	Normal Voltage	-1.7	
20(Ref.)	Normal Voltage	2.6	
10	Normal Voltage	2.7	
0	Normal Voltage	1.9	
-10	Normal Voltage	1.4	
-20	Normal Voltage	2	
-30	Normal Voltage	1.8	
20	Maximum Voltage	1.6	
20	Normal Voltage	2.6	
20	Battery End Point	2.3	

Note:

1. Normal Voltage =8 V. ; Battery End Point (BEP) =7.2 V. ; Maximum Voltage =9 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

$$|MAX(\Delta f)| = 2.7\text{Hz}$$

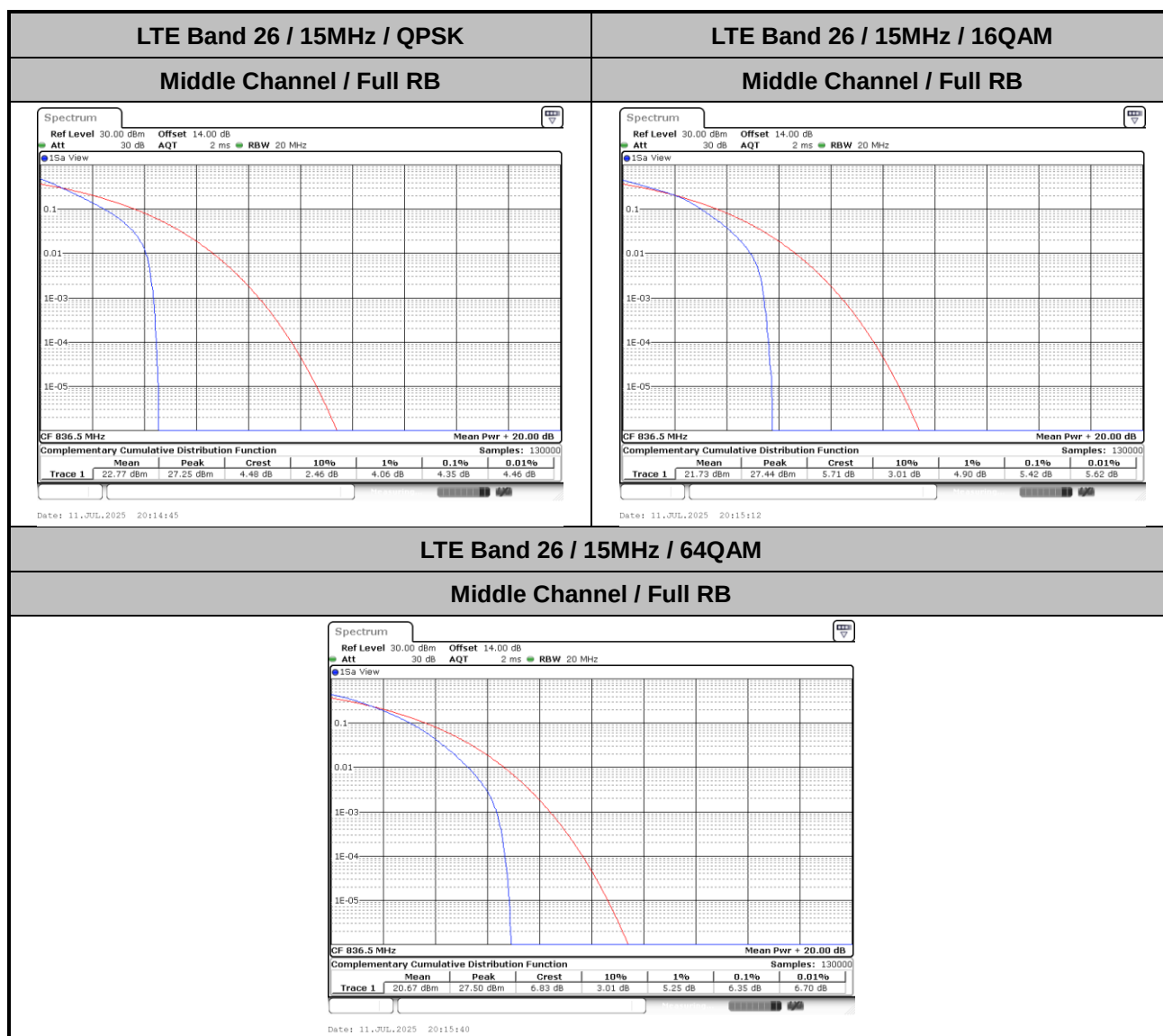
Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - MAX(\Delta f) $	777.242257	$\geq 777 \text{ MHz}$	PASS
$f_H + MAX(\Delta f) $	786.757743	$\leq 787 \text{ MHz}$	



LTE Band 26_Part 22H

Peak-to-Average Ratio

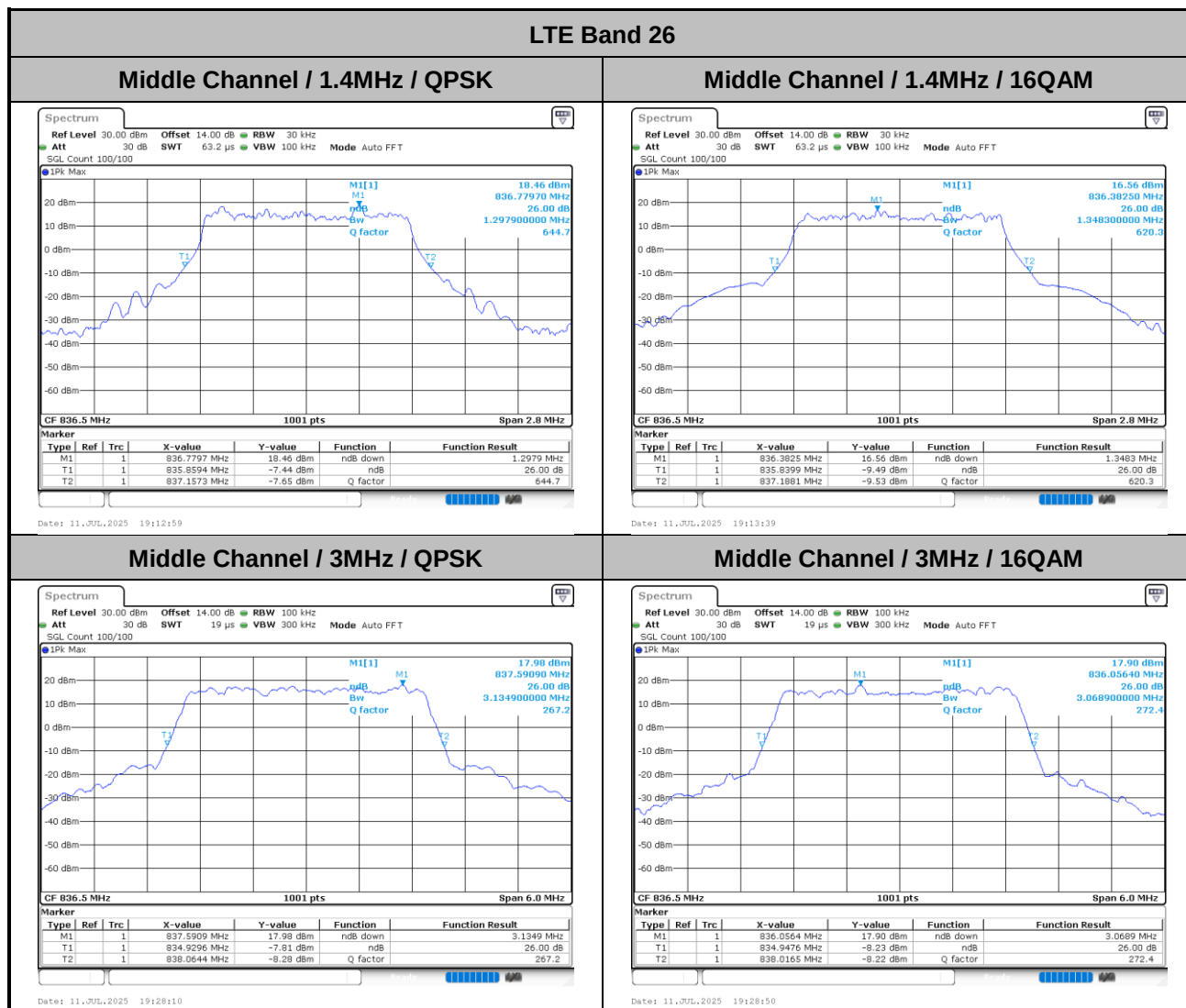
Mode	LTE Band 26 / 15MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.35	5.42	6.35	PASS





26dB Bandwidth

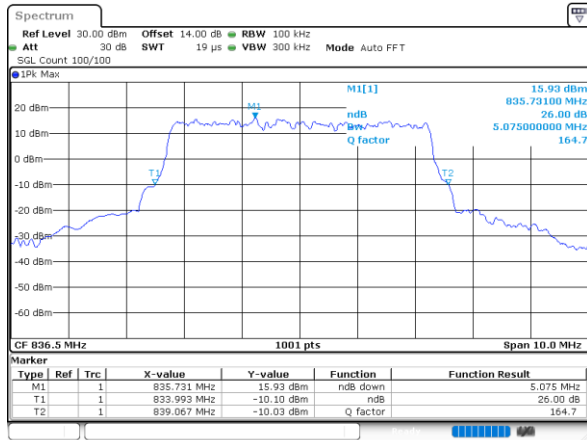
Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.30	1.35	3.13	3.07	5.08	5.07	9.93	9.85	14.57	14.60	-	-



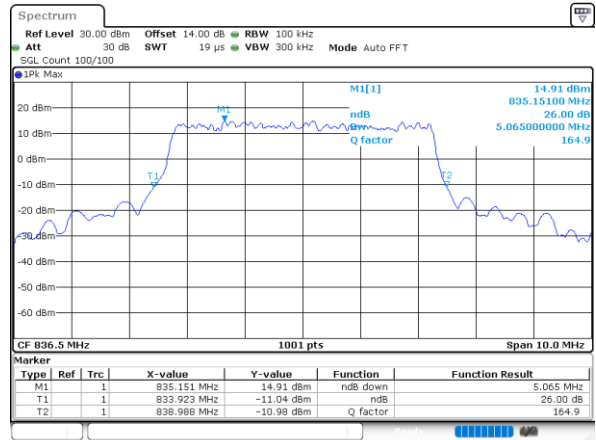


LTE Band 26

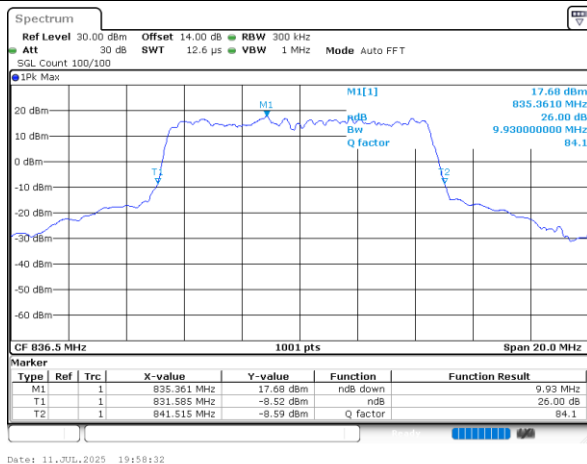
Middle Channel / 5MHz / QPSK



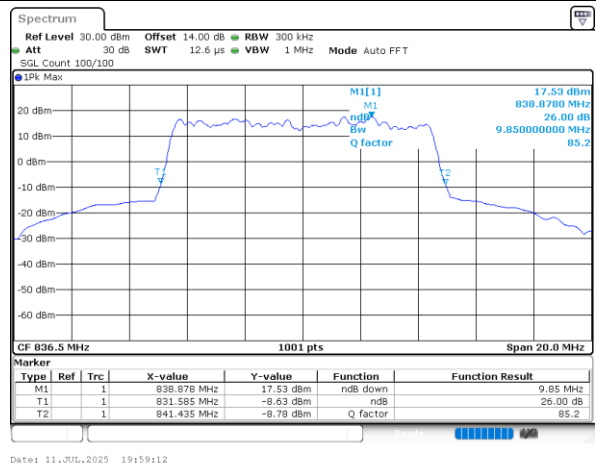
Middle Channel / 5MHz / 16QAM



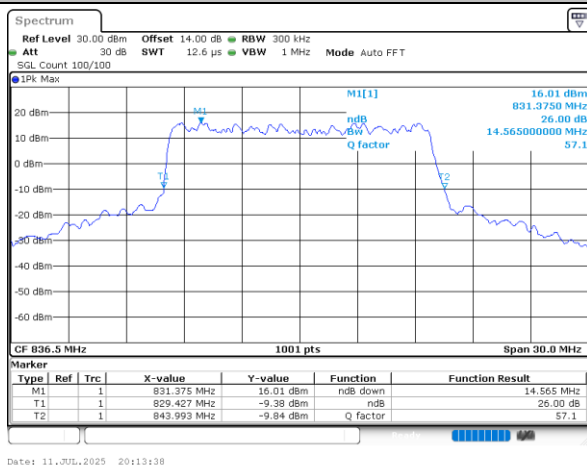
Middle Channel / 10MHz / QPSK



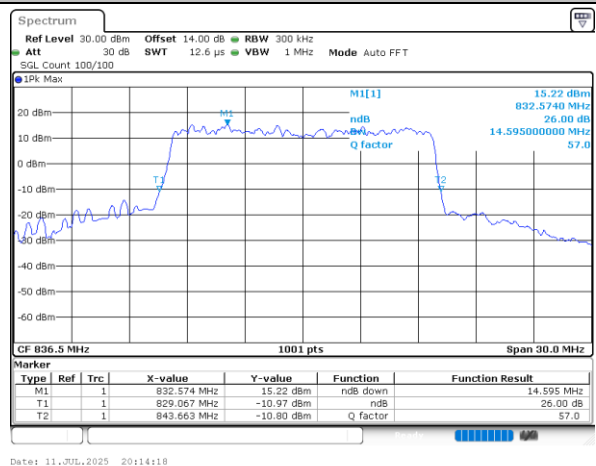
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



Middle Channel / 15MHz / 16QAM



**Occupied Bandwidth**

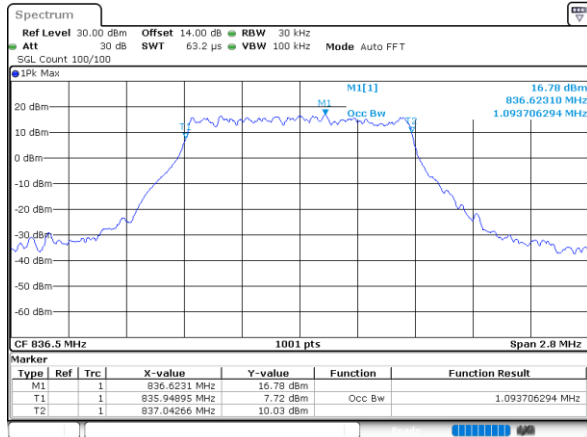
Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.10	2.74	2.73	4.50	4.48	9.05	9.03	13.52	13.46	-	-

Mode	LTE Band 26 : 99%OBW(MHz)	
BW	15MHz(CH26790)	
Mod.	QPSK	16QAM
Middle CH	13.49	13.43

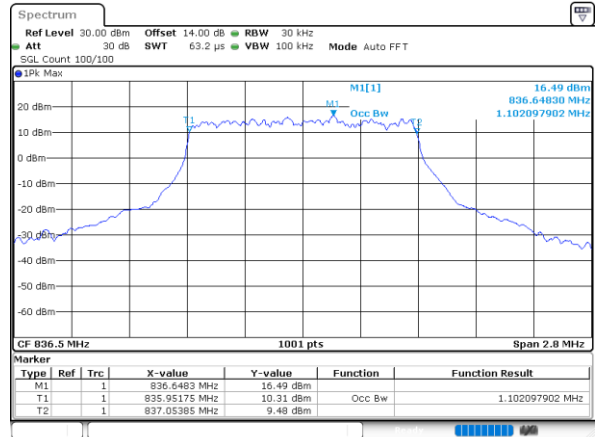


LTE Band 26

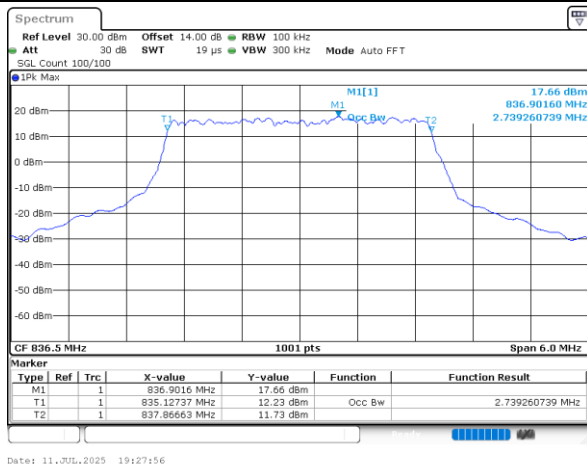
Middle Channel / 1.4MHz / QPSK



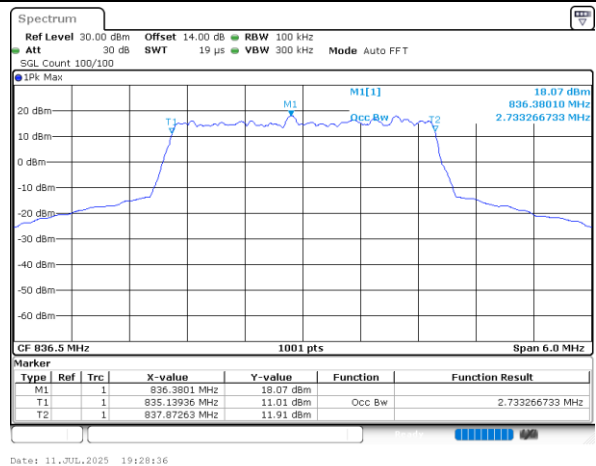
Middle Channel / 1.4MHz / 16QAM



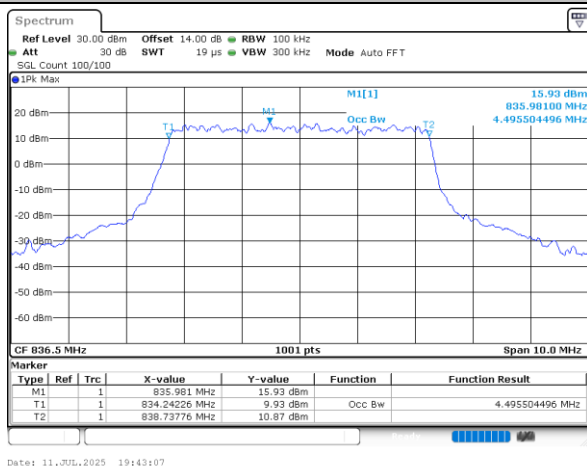
Middle Channel / 3MHz / QPSK



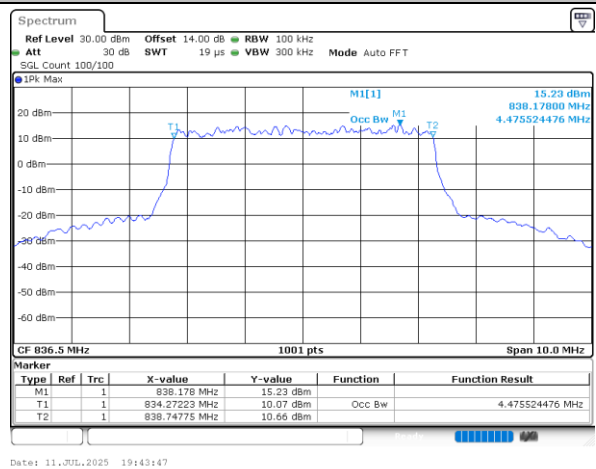
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



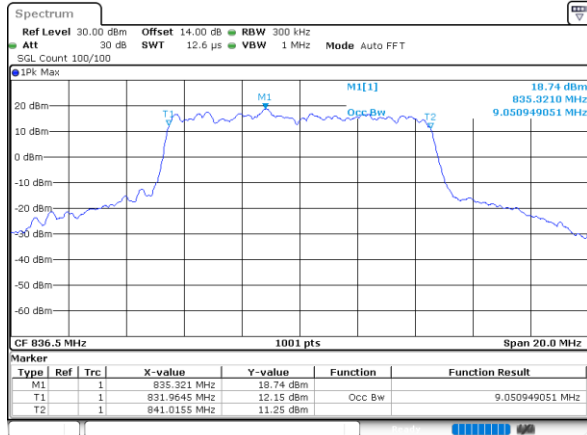
Middle Channel / 5MHz / 16QAM



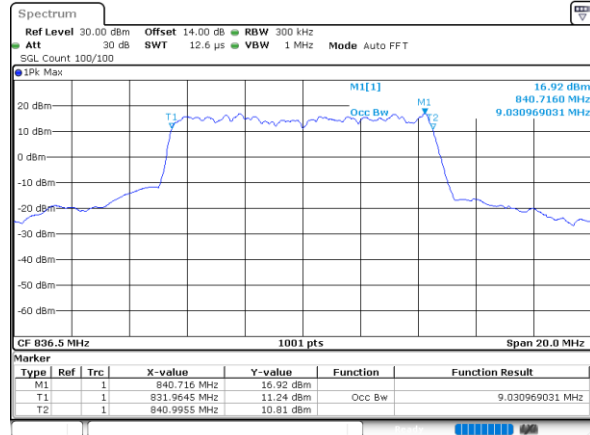


LTE Band 26

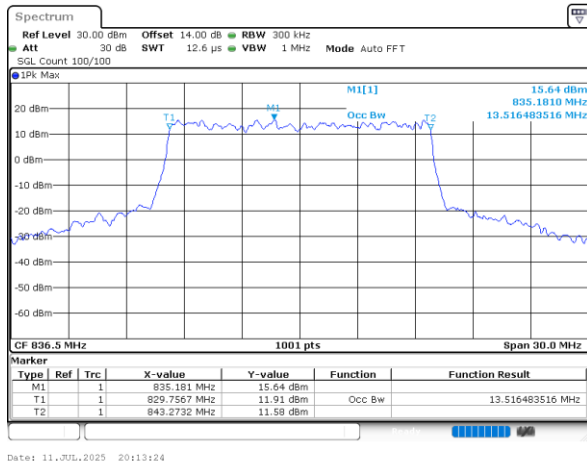
Middle Channel / 10MHz / QPSK



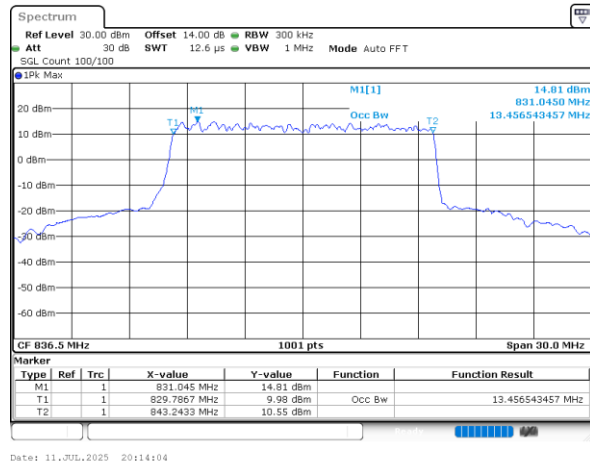
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK

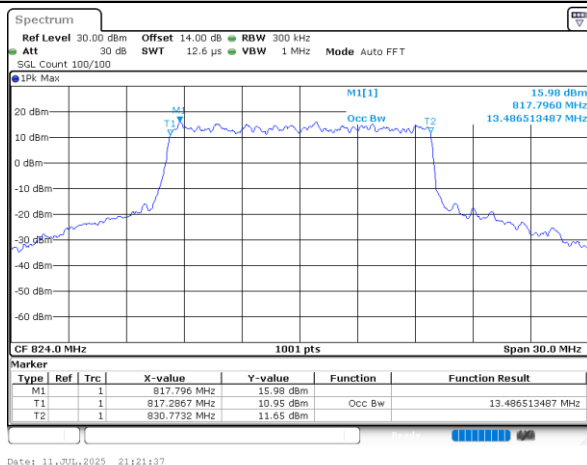


Middle Channel / 15MHz / 16QAM

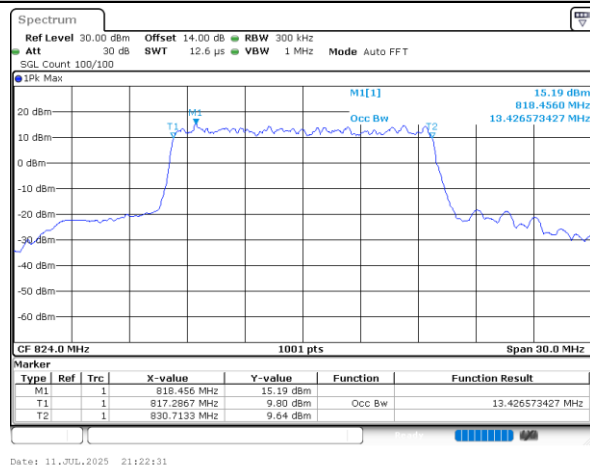


LTE Band 26(CH26790)

Middle Channel / 15MHz / QPSK



Middle Channel / 15MHz / 16QAM

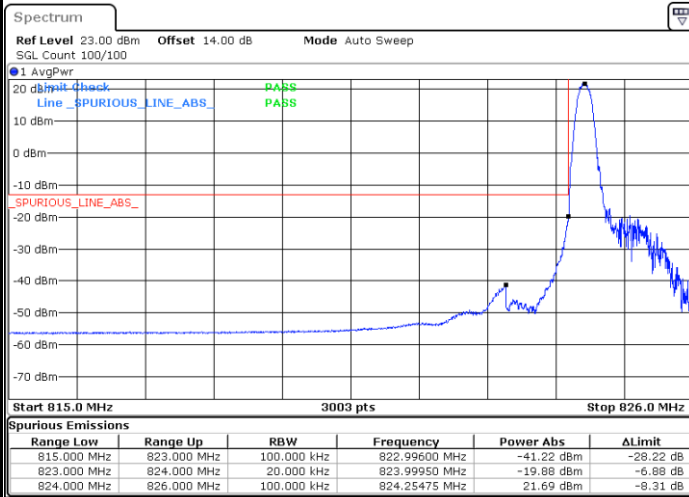




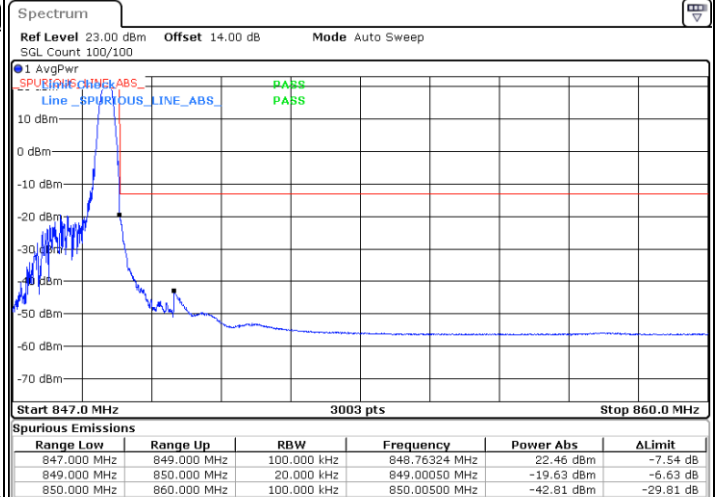
Conducted Band Edge

LTE Band 26 / 1.4MHz / QPSK

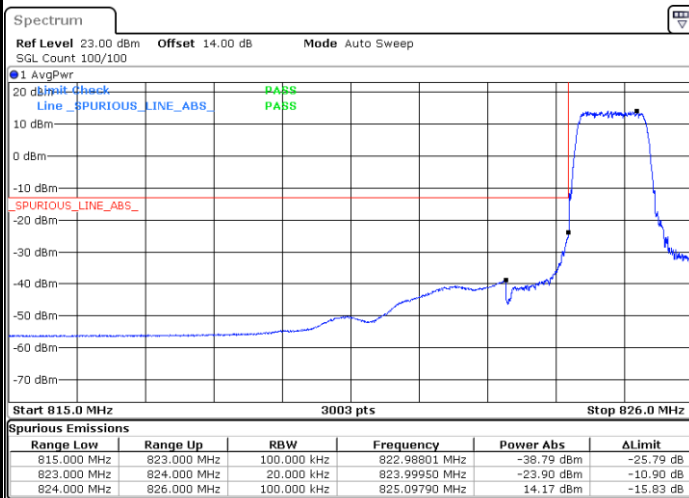
Lowest Band Edge / 1RB



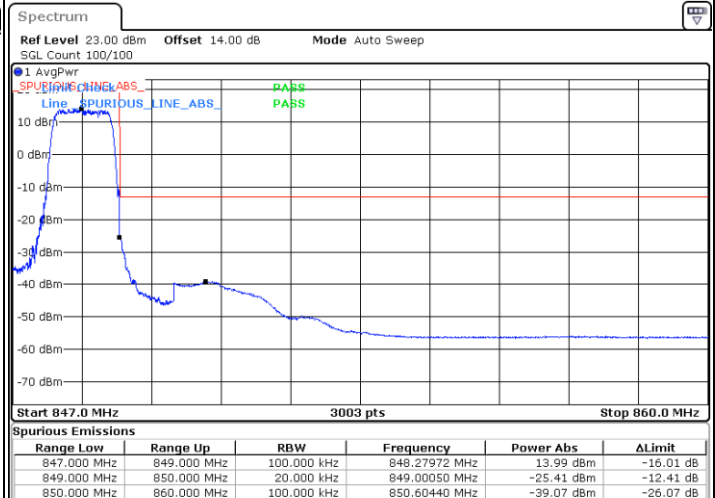
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



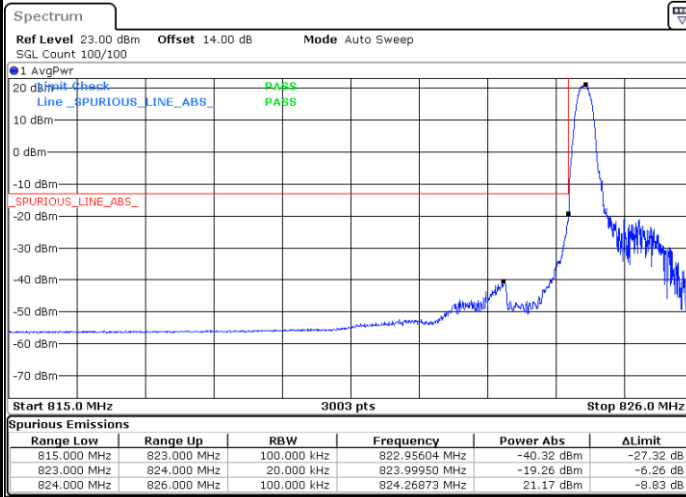
Highest Band Edge / Full RB





LTE Band 26 / 1.4MHz / 16QAM

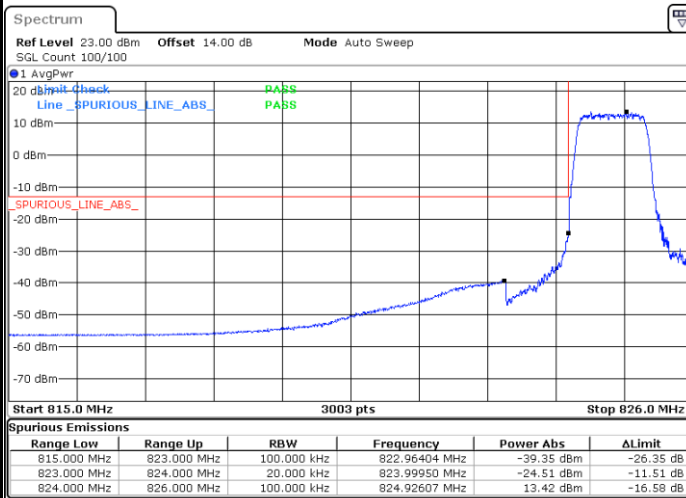
Lowest Band Edge / 1 RB



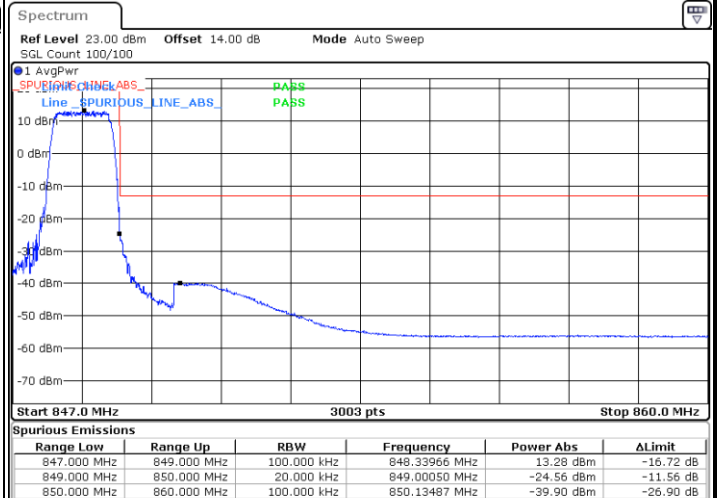
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



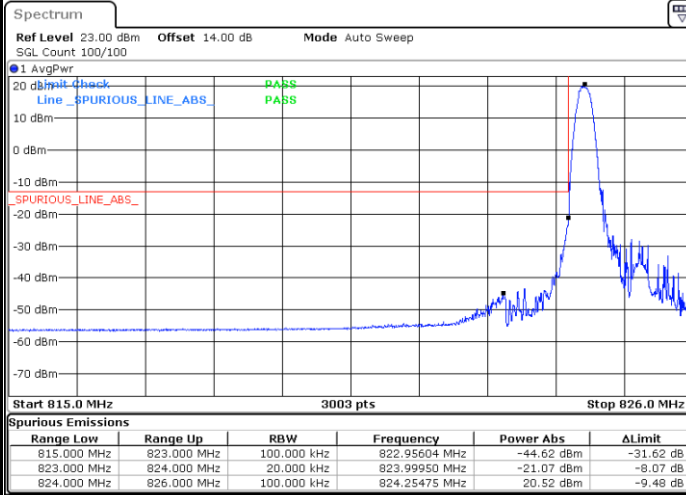
Highest Band Edge / Full RB



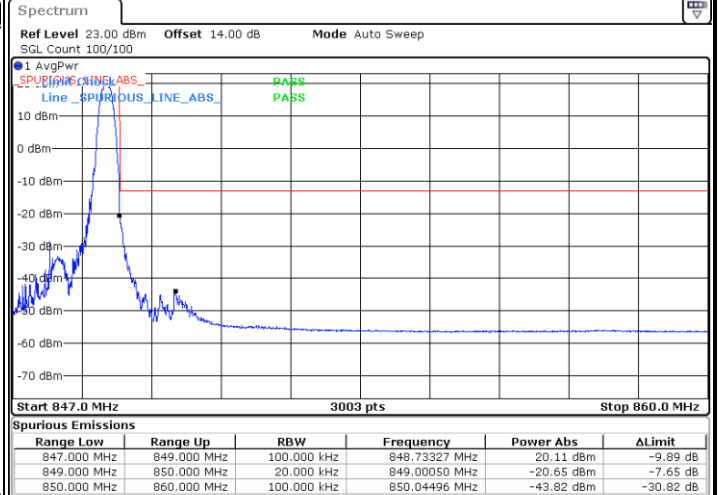


LTE Band 26 / 1.4MHz / 64QAM

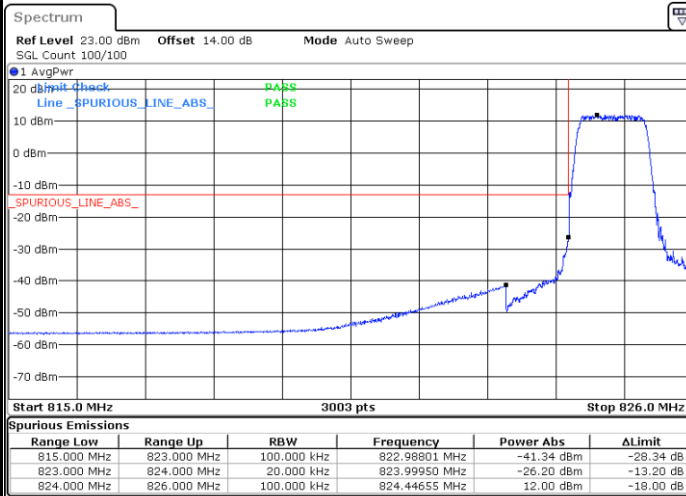
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



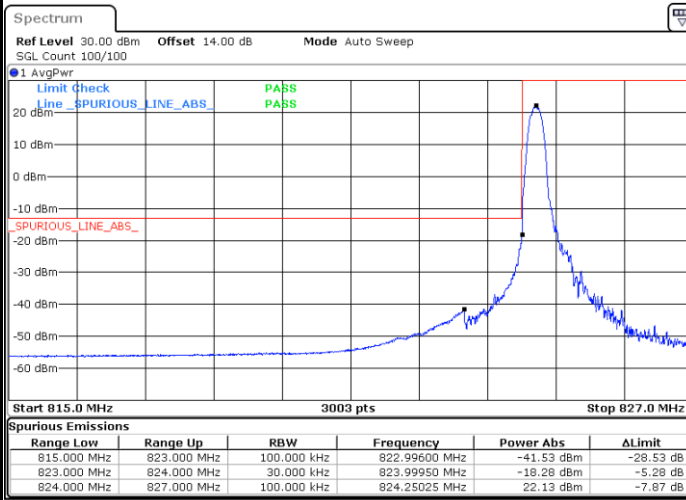
Highest Band Edge / Full RB



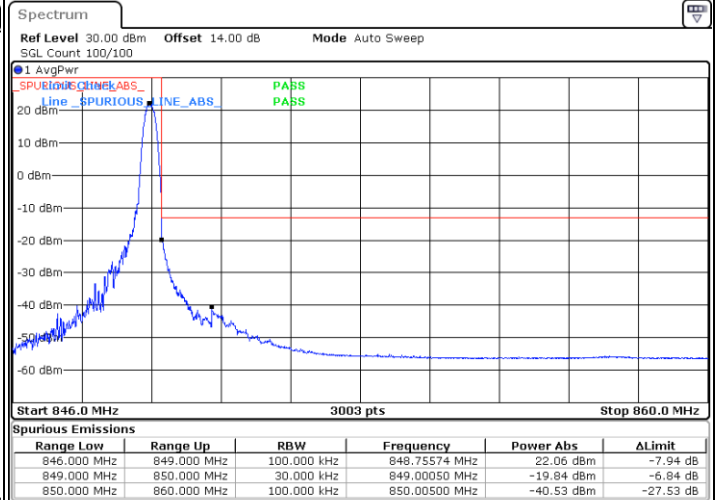


LTE Band 26 / 3MHz / QPSK

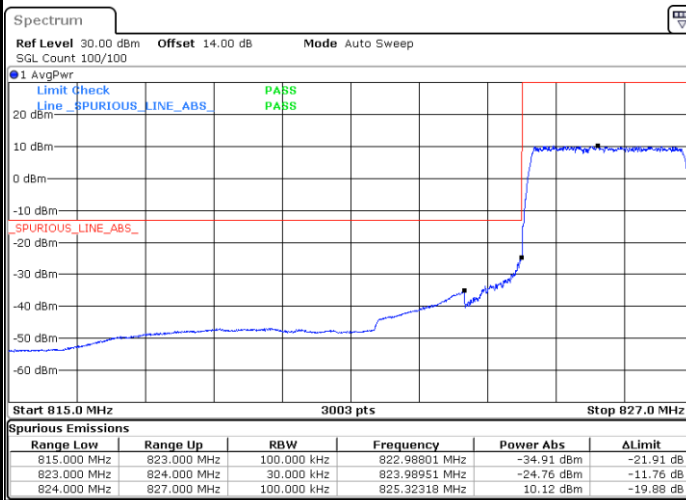
Lowest Band Edge / 1RB



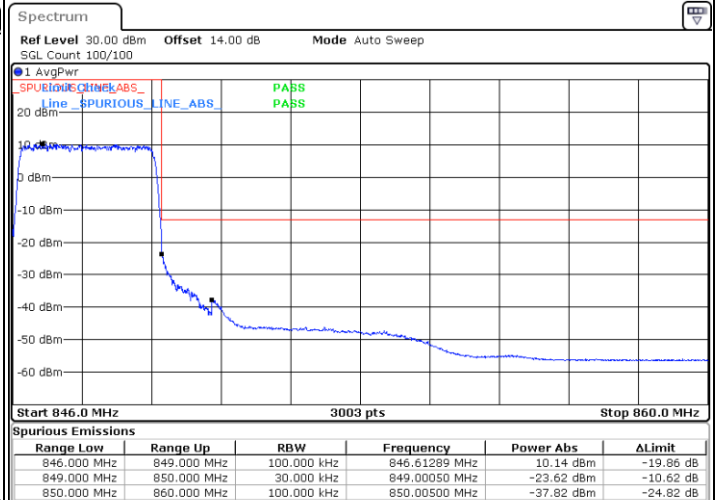
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



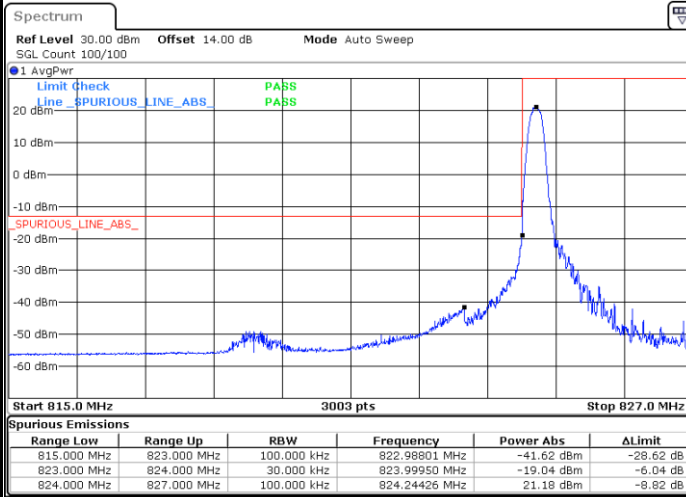
Highest Band Edge / Full RB



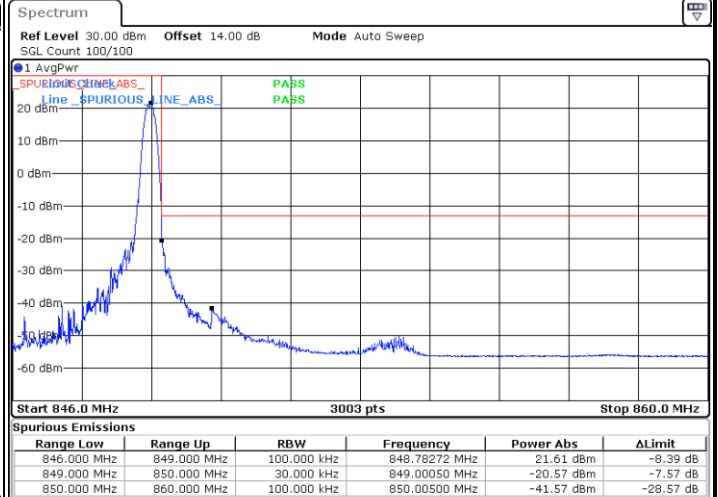


LTE Band 26 / 3MHz / 16QAM

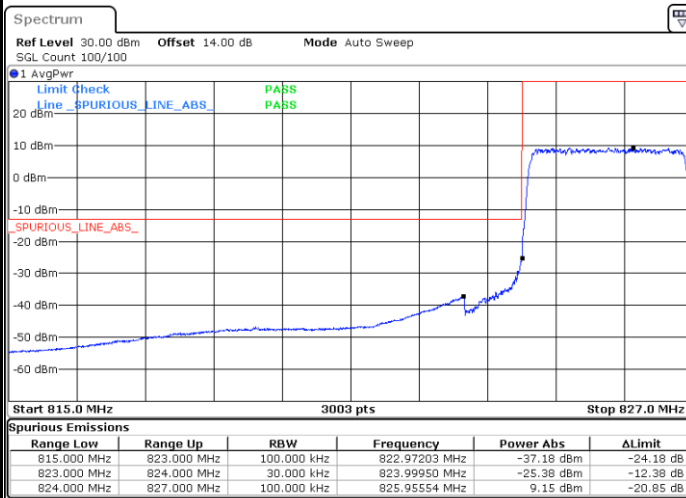
Lowest Band Edge / 1 RB



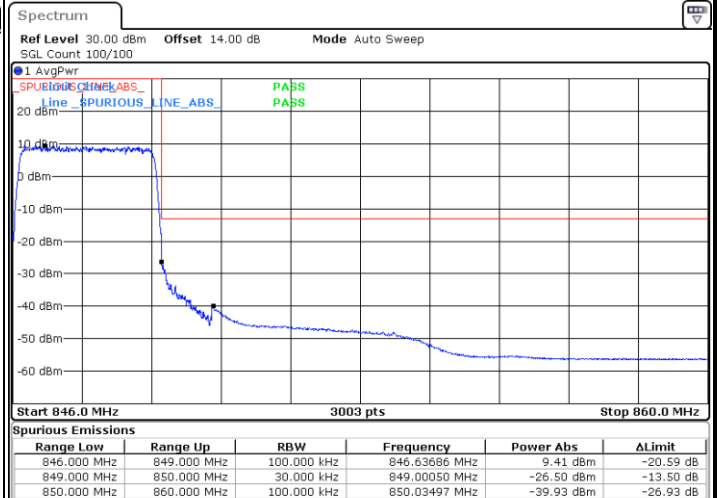
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



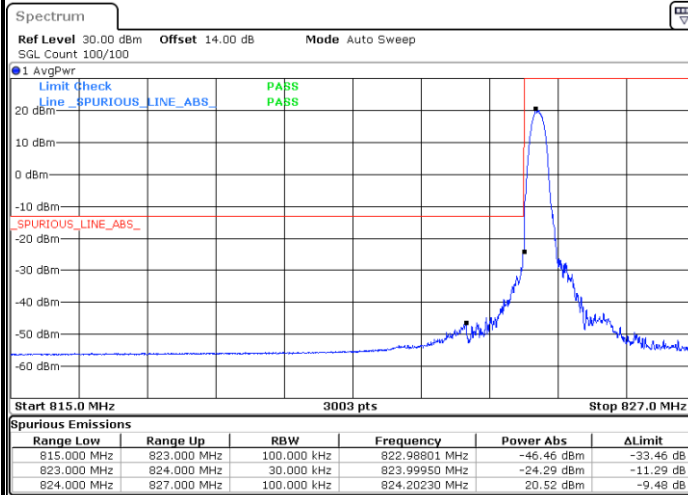
Highest Band Edge / Full RB



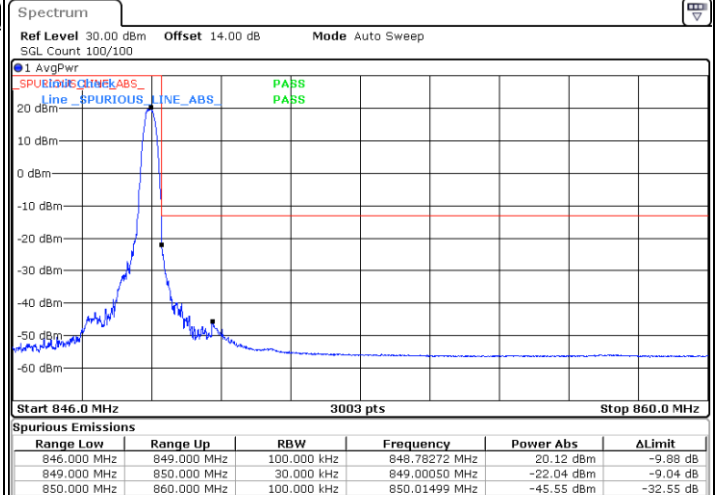


LTE Band 26 / 3MHz / 64QAM

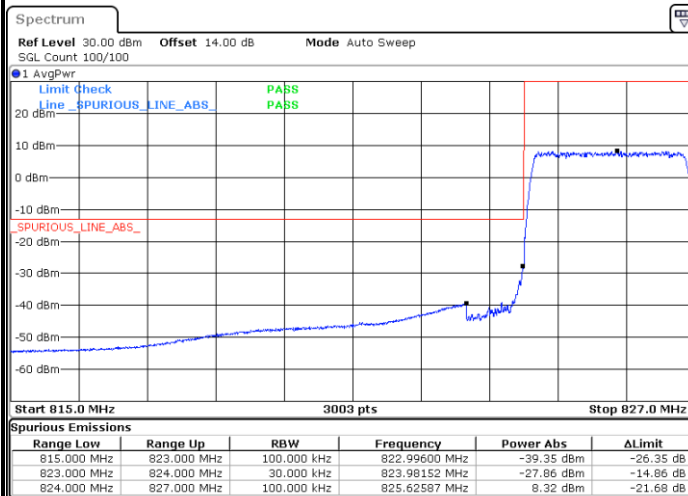
Lowest Band Edge / 1 RB



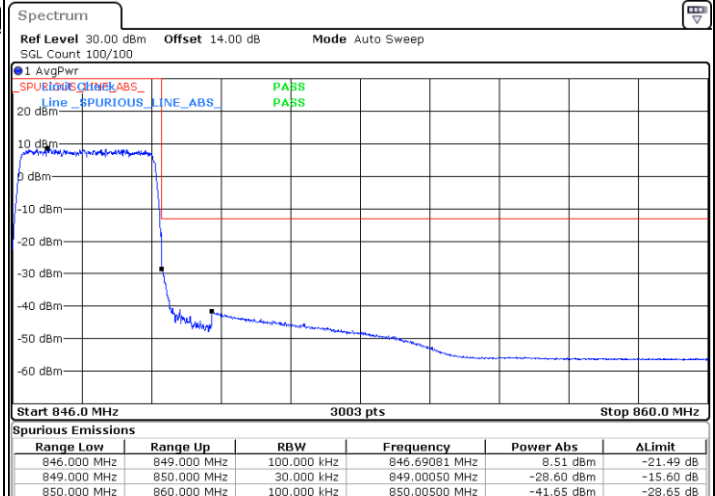
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



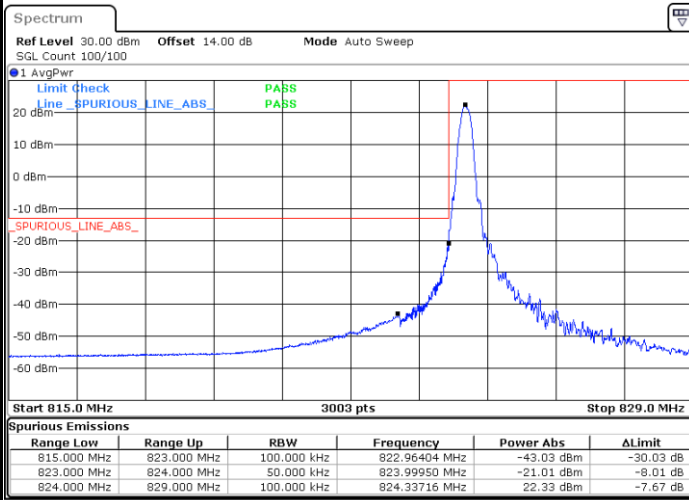
Highest Band Edge / Full RB



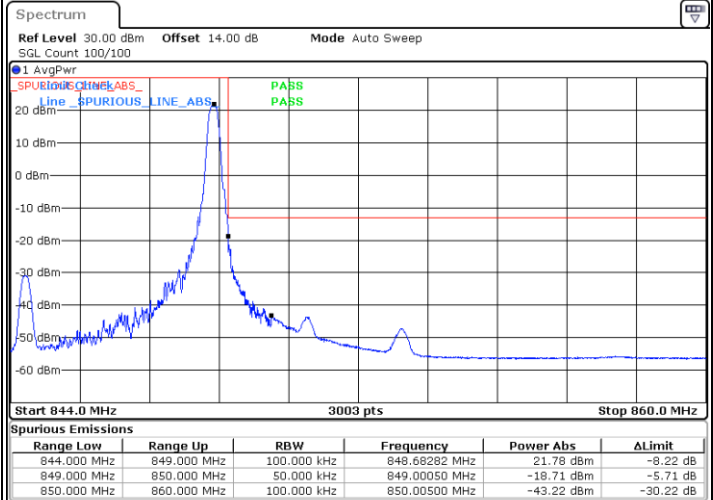


LTE Band 26 / 5MHz / QPSK

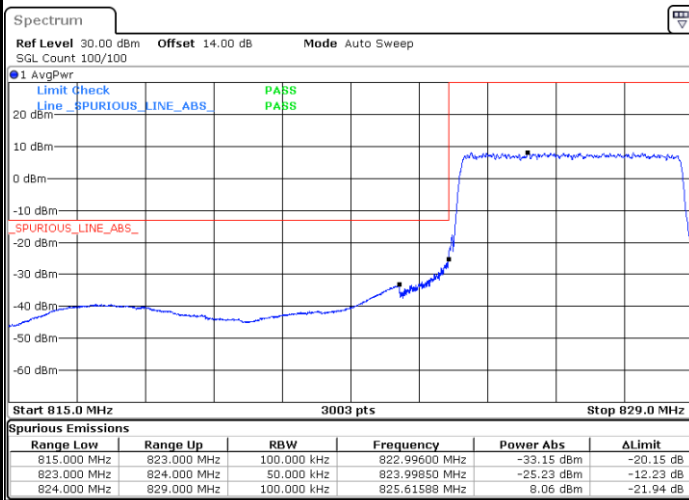
Lowest Band Edge / 1RB



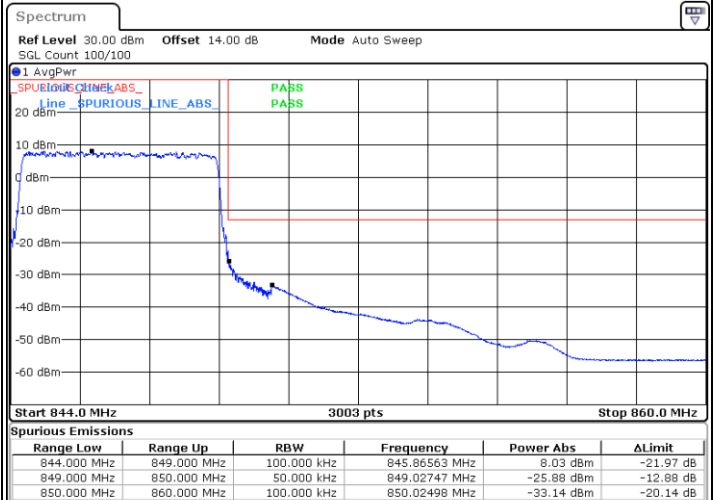
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



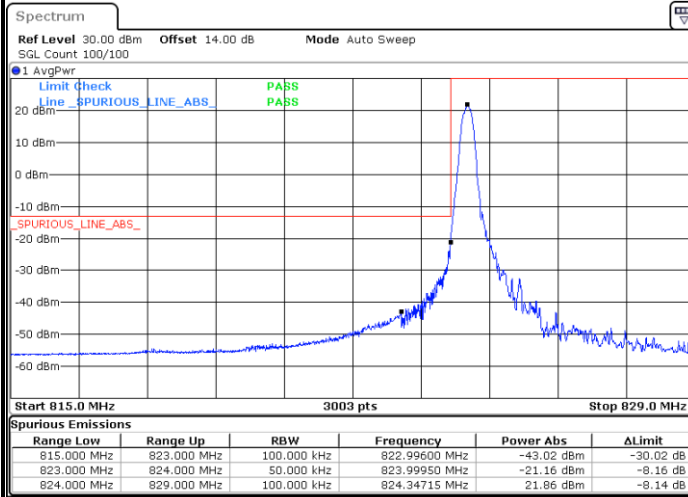
Highest Band Edge / Full RB



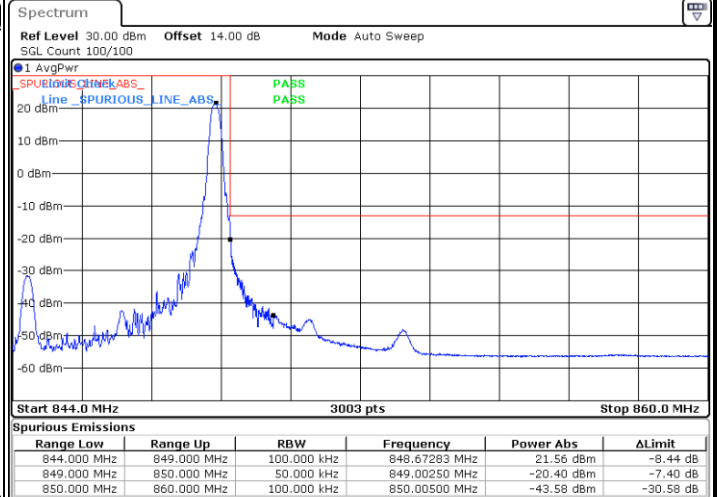


LTE Band 26 / 5MHz / 16QAM

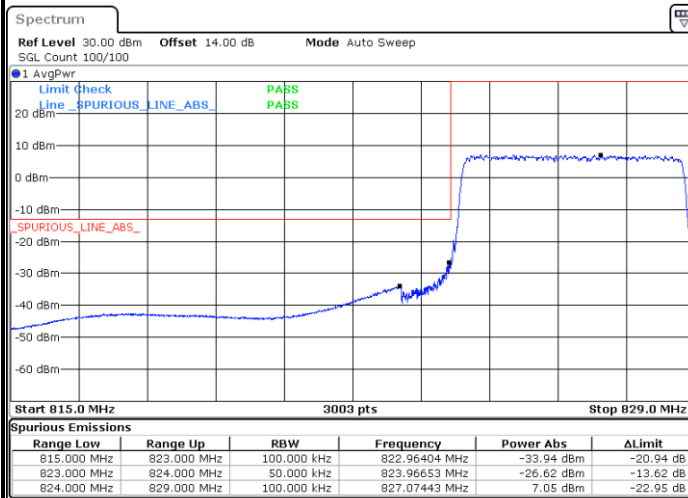
Lowest Band Edge / 1 RB



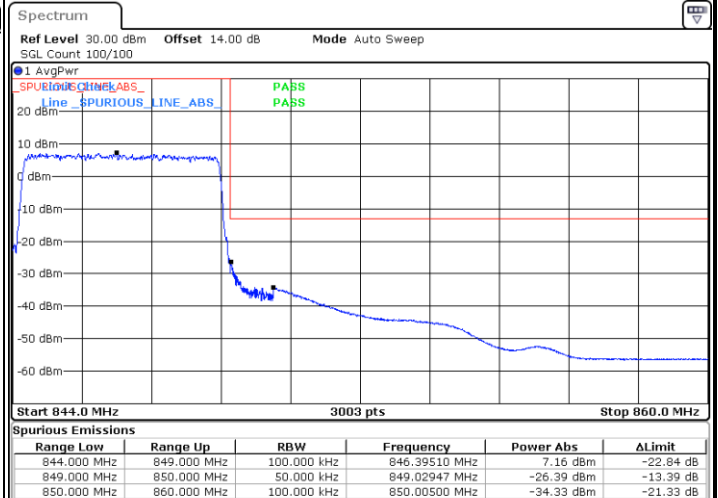
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



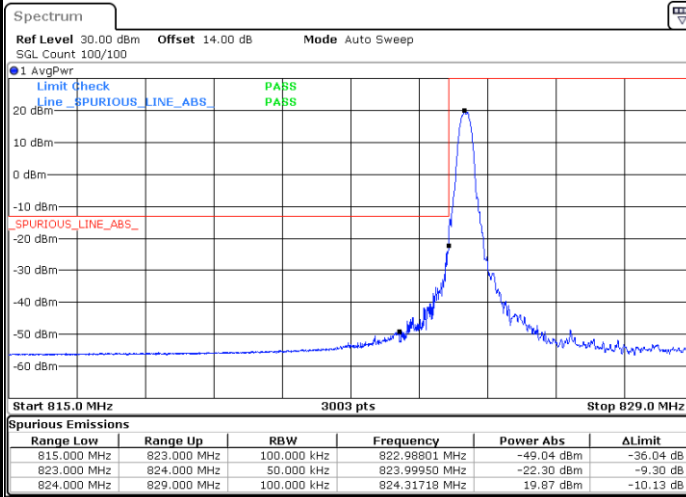
Highest Band Edge / Full RB





LTE Band 26 / 5MHz / 64QAM

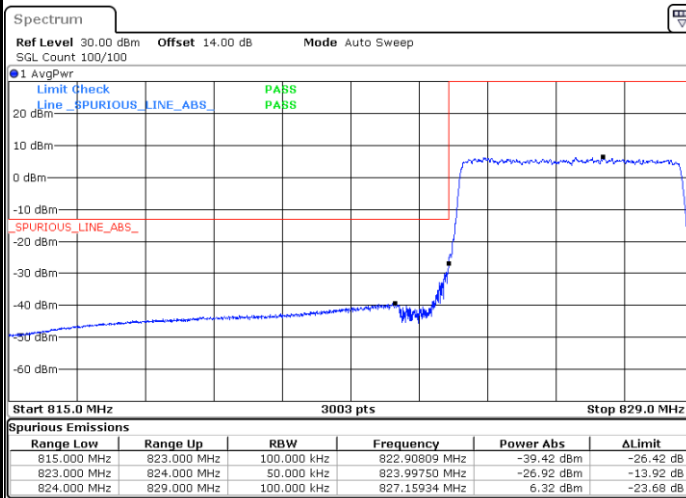
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

