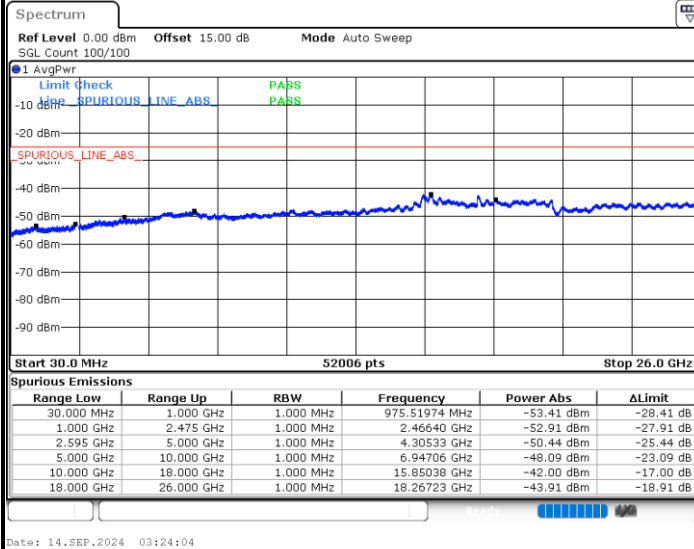


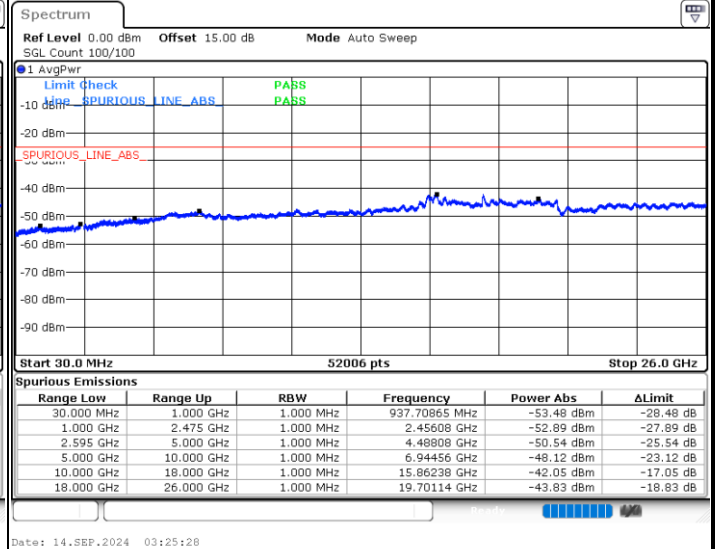


LTE Band 7 / 20MHz

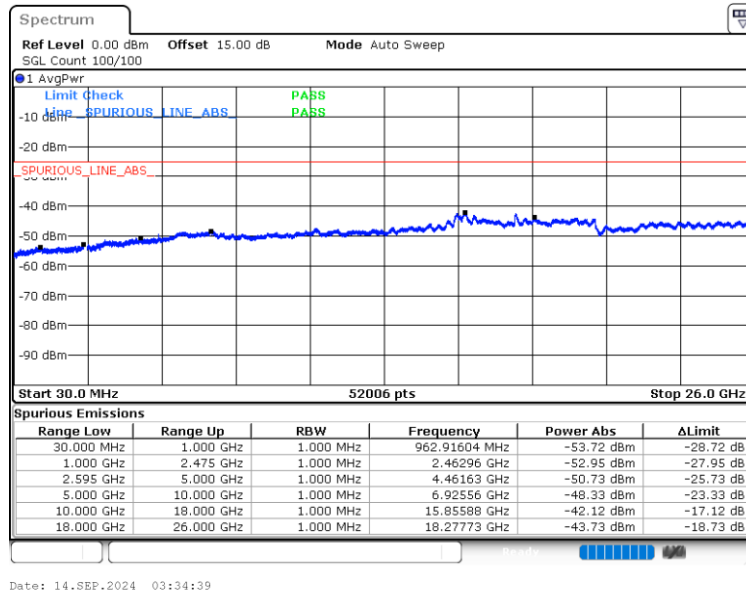
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK



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	0.0003	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0024	
20	Maximum Voltage	0.0029	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0019	

Note:

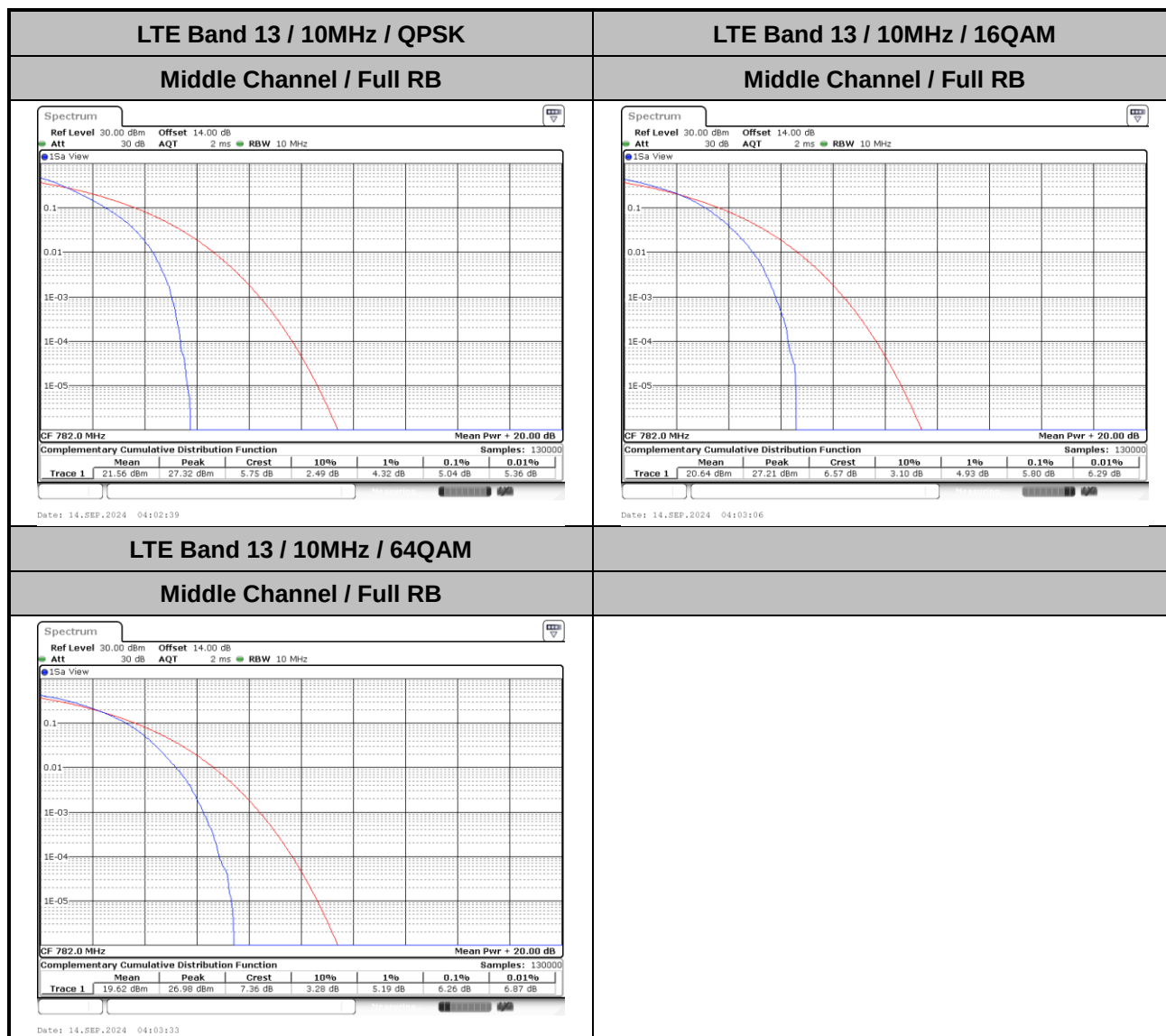
1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage = 4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13

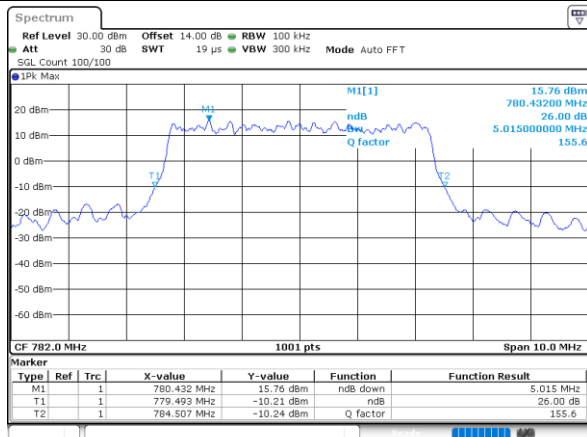
Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.04	5.80	6.26	PASS

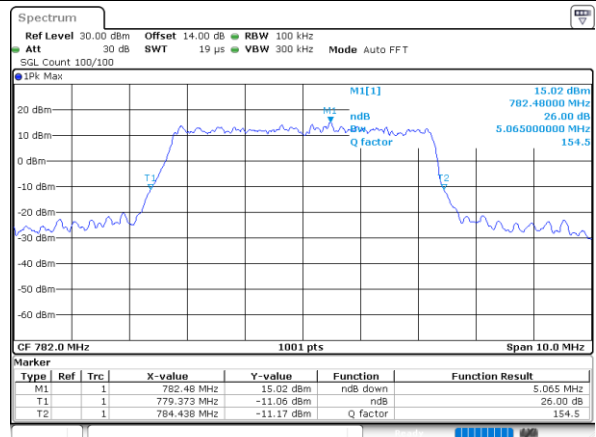


**26dB Bandwidth**

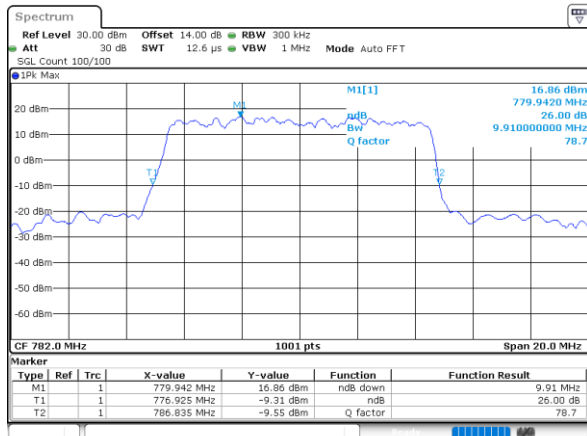
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	5.02	5.07	9.91	9.97	-	-	-	-

LTE Band 13**Middle Channel / 5MHz / QPSK**

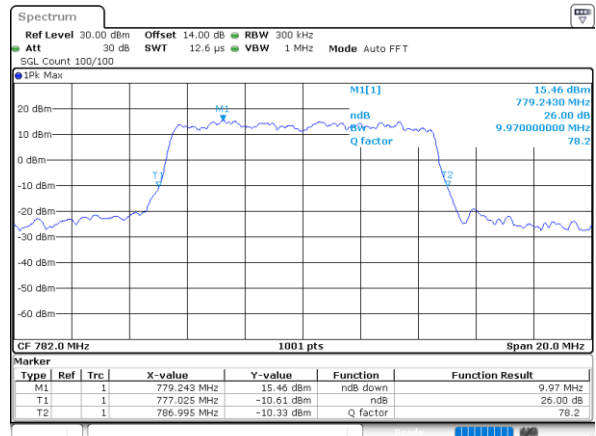
Date: 14,SEP,2024 03:43:59

Middle Channel / 5MHz / 16QAM

Date: 14,SEP,2024 03:44:39

Middle Channel / 10MHz / QPSK

Date: 14,SEP,2024 04:01:33

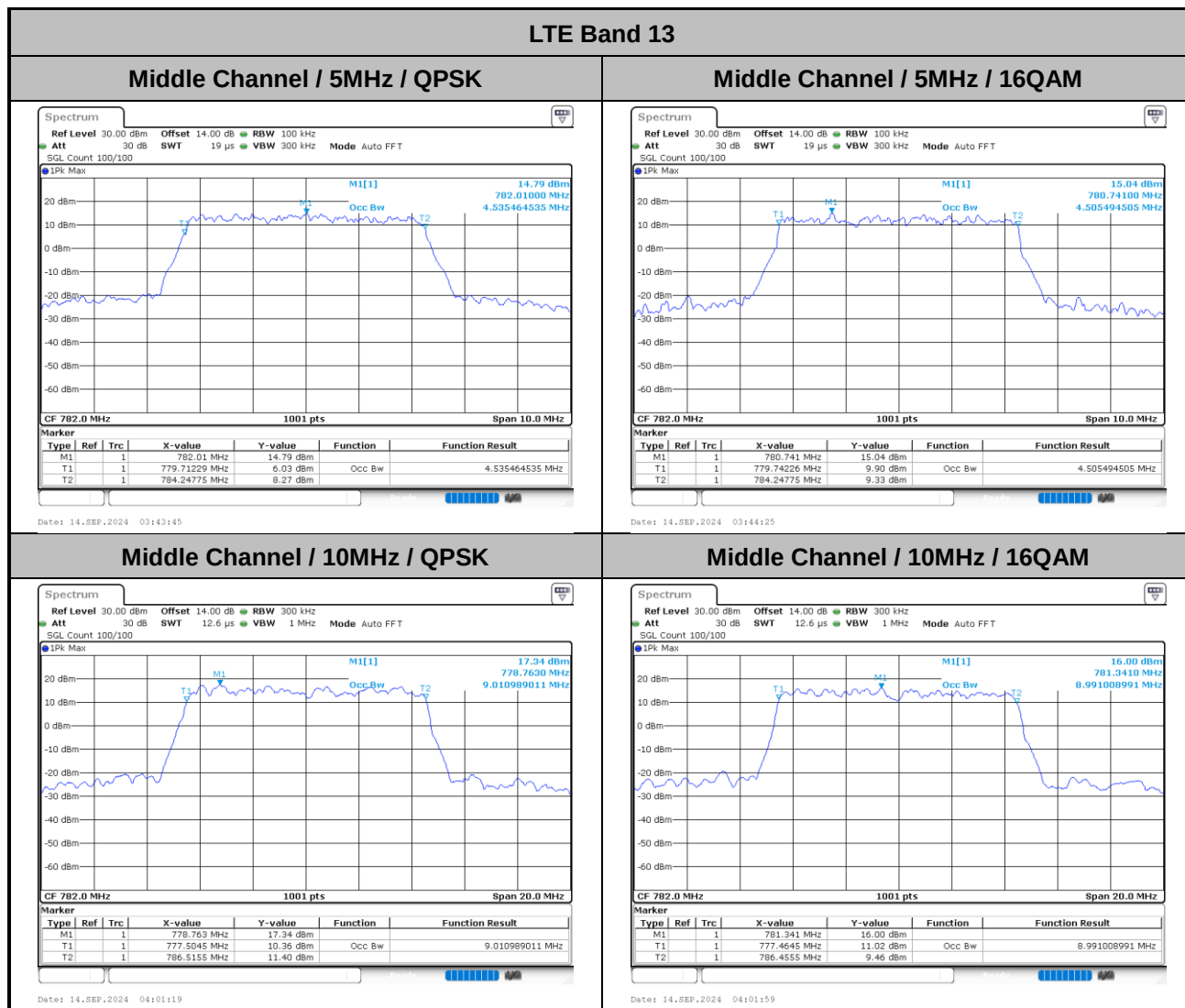
Middle Channel / 10MHz / 16QAM

Date: 14,SEP,2024 04:02:13



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	-	-	-	-	4.54	4.51	9.01	8.99	-	-	-	-

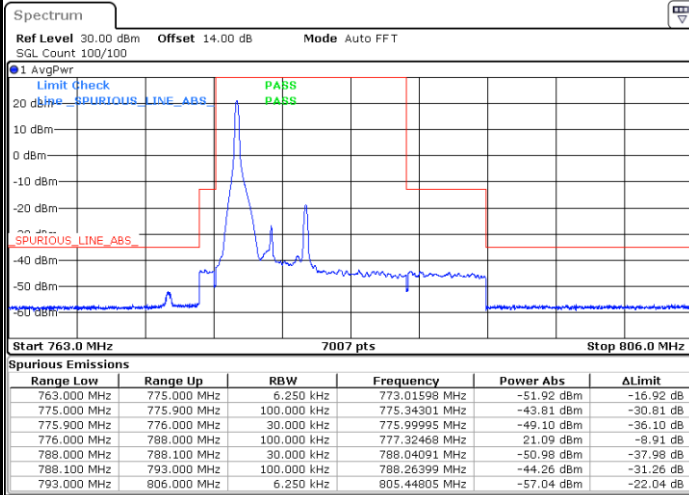




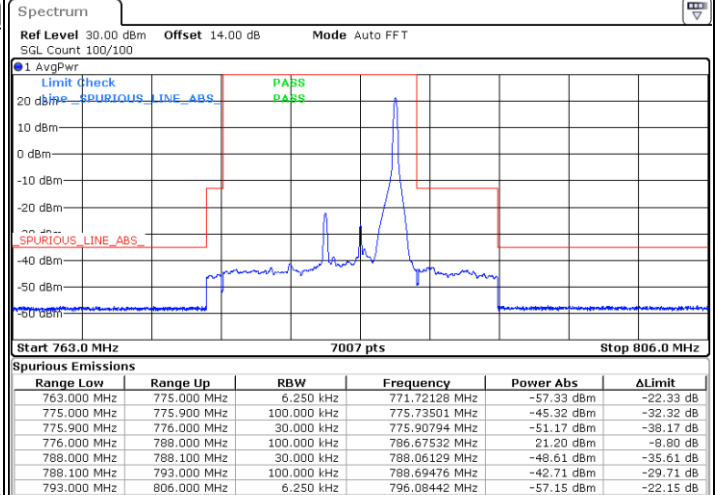
Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

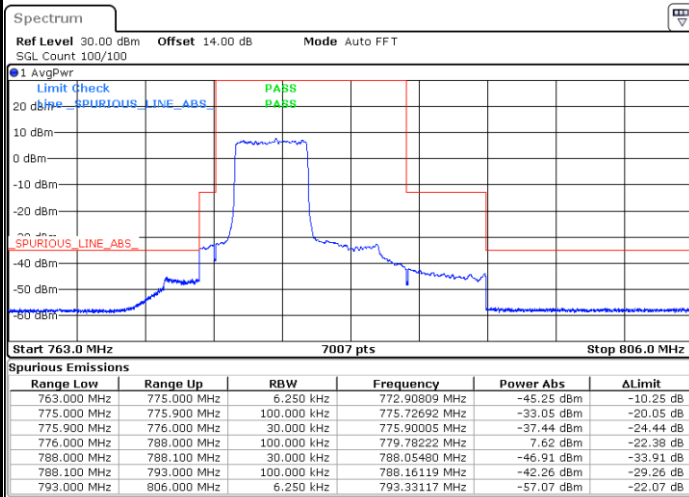
Lowest Band Edge / 1 RB



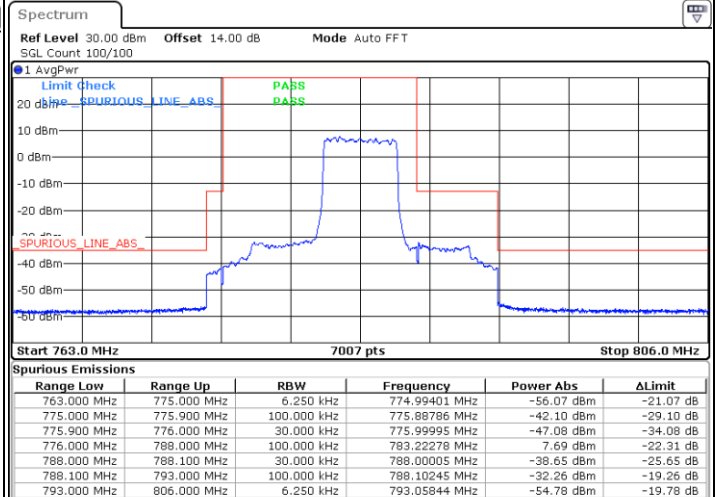
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



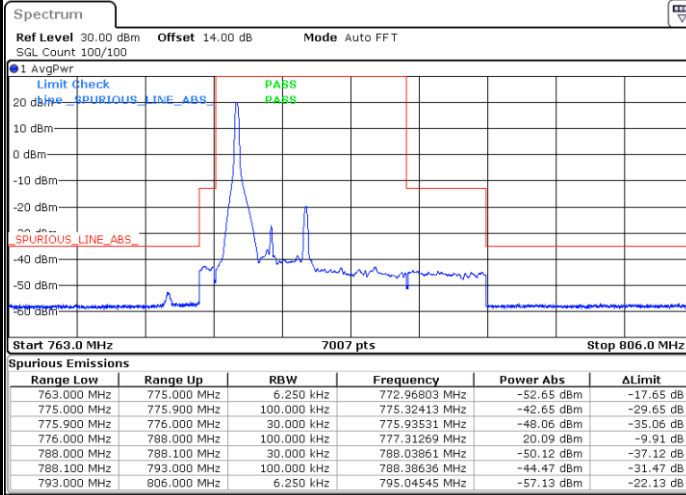
Highest Band Edge / Full RB





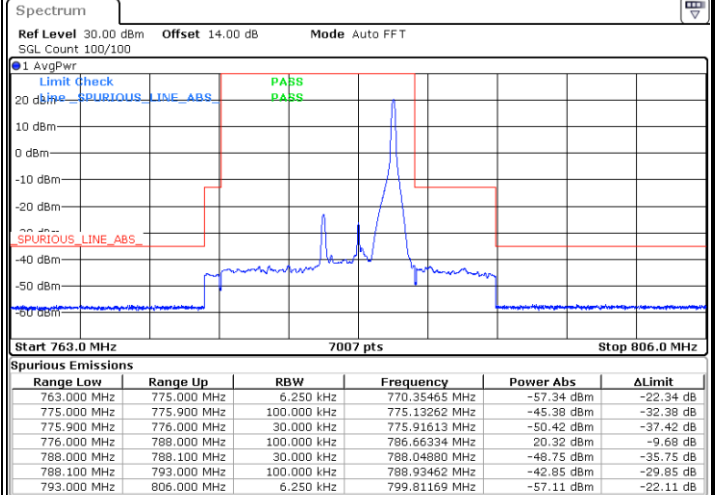
LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



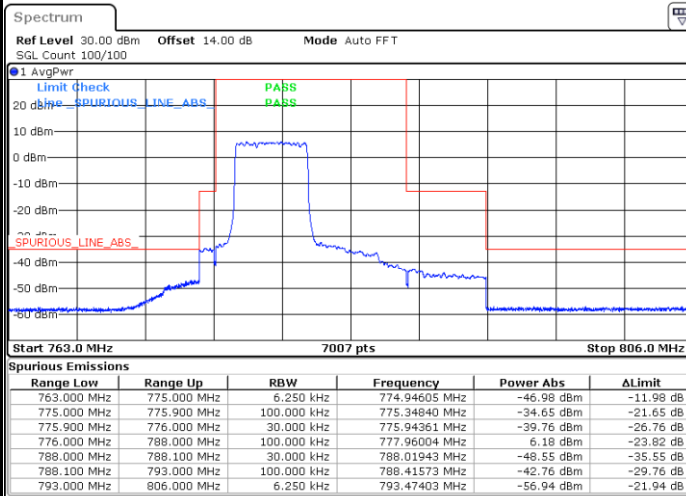
Date: 14.SEP.2024 03:37:05

Highest Band Edge / 1 RB



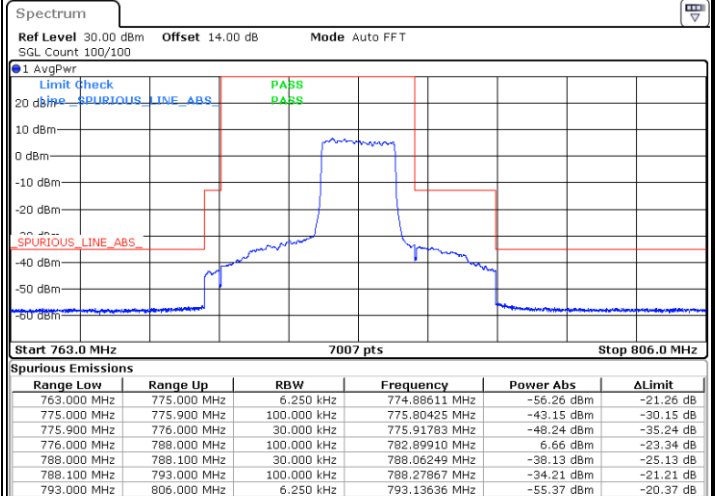
Date: 14.SEP.2024 03:46:20

Lowest Band Edge / Full RB



Date: 14.SEP.2024 03:39:39

Highest Band Edge / Full RB

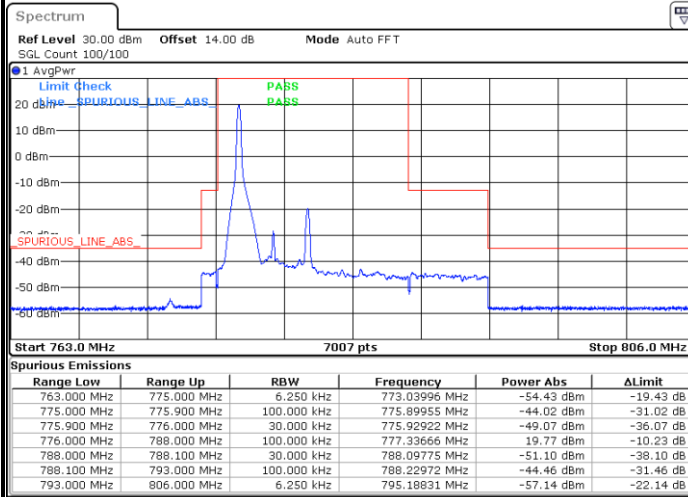


Date: 14.SEP.2024 03:48:53



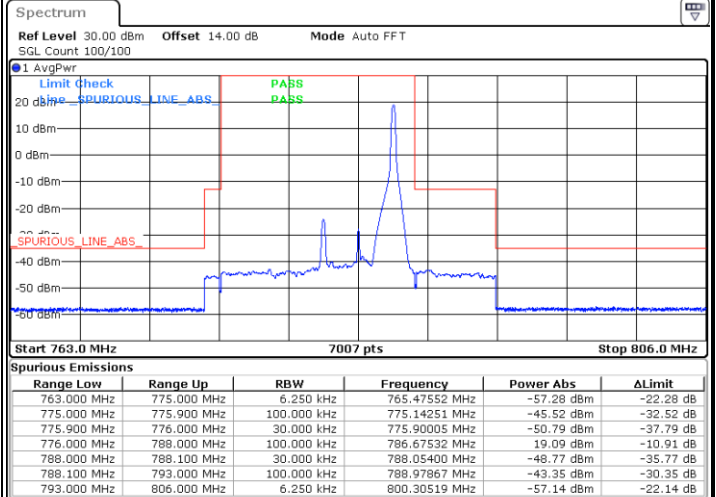
LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



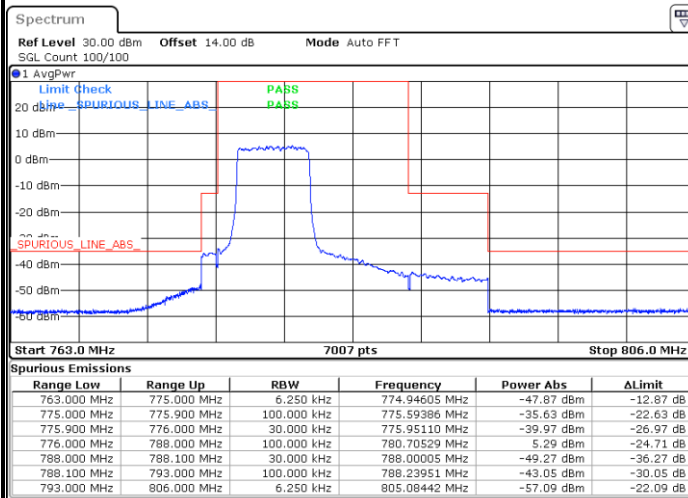
Date: 14.SEP.2024 03:37:56

Highest Band Edge / 1 RB



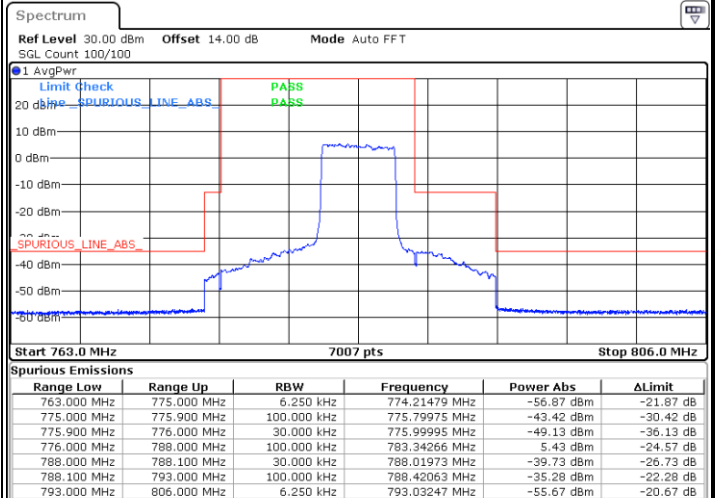
Date: 14.SEP.2024 03:47:11

Lowest Band Edge / Full RB



Date: 14.SEP.2024 03:40:30

Highest Band Edge / Full RB

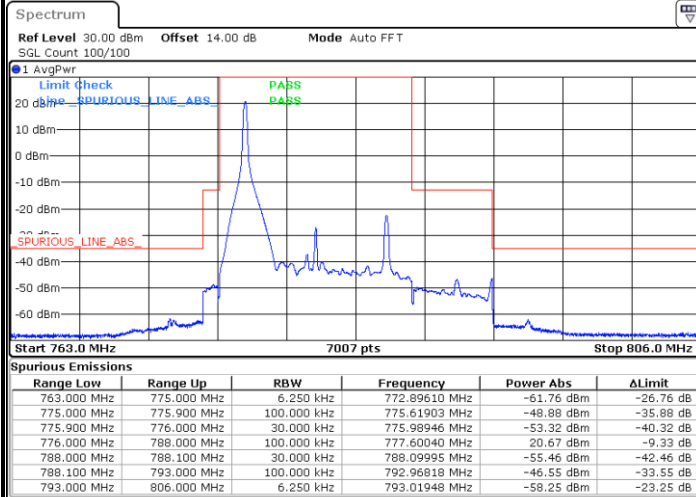


Date: 14.SEP.2024 03:49:44



LTE Band 13 / 10MHz / QPSK

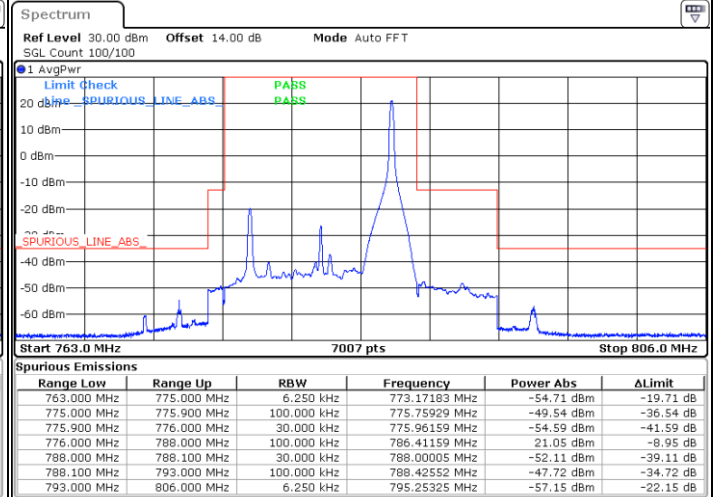
Band Edge / 1 RB



Date: 14.SEP.2024 03:52:43

LTE Band 13 / 10MHz / QPSK

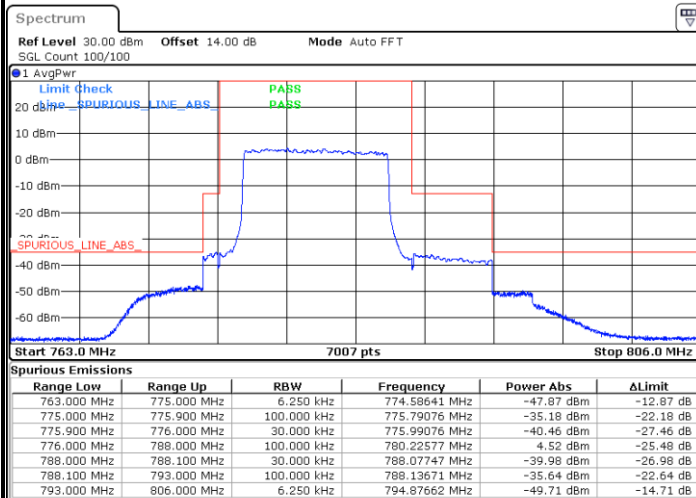
Band Edge / 1 RB



Date: 14.SEP.2024 03:55:16

LTE Band 13 / 10MHz / QPSK

Band Edge / Full RB



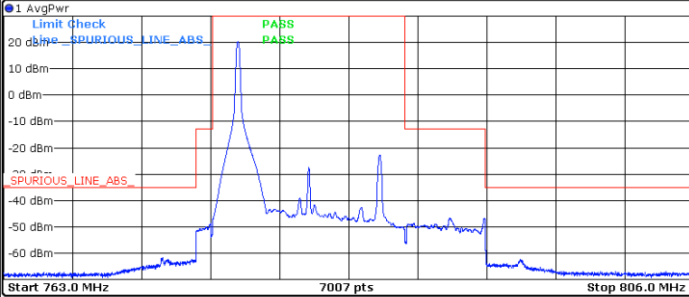
Date: 14.SEP.2024 03:57:47



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

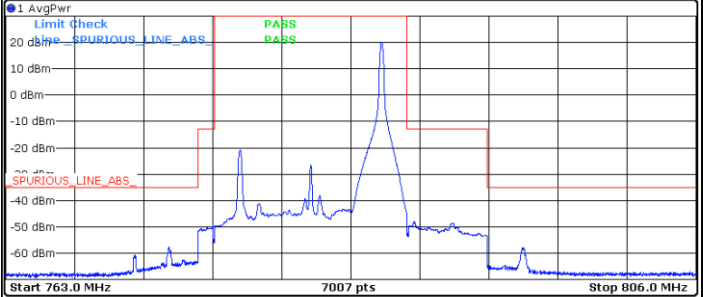
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	772.90809 MHz	-61.81 dBm	-26.81 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-48.83 dBm	-35.83 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99575 MHz	-52.69 dBm	-39.69 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.57642 MHz	20.35 dBm	-9.65 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03442 MHz	-55.65 dBm	-42.65 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.78497 MHz	-46.78 dBm	-33.78 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.00649 MHz	-59.11 dBm	-24.11 dB

Date: 14.SEP.2024 03:53:34

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

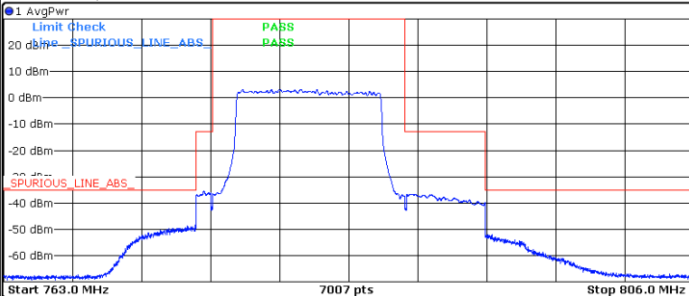
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.18382 MHz	-57.59 dBm	-22.59 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-49.78 dBm	-36.78 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.91623 MHz	-54.36 dBm	-41.36 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.41159 MHz	20.11 dBm	-9.89 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05849 MHz	-52.44 dBm	-39.44 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.45000 MHz	-48.22 dBm	-35.22 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.24026 MHz	-57.90 dBm	-22.90 dB

Date: 14.SEP.2024 03:56:06

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	-48.41 dBm	-13.41 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.47787 MHz	-35.59 dBm	-22.59 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96329 MHz	-41.28 dBm	-28.28 dB
776.000 MHz	788.000 MHz	100.000 kHz	779.67433 MHz	3.11 dBm	-26.89 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07498 MHz	-41.90 dBm	-28.90 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.38636 MHz	-36.64 dBm	-23.64 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.14935 MHz	-52.19 dBm	-17.19 dB

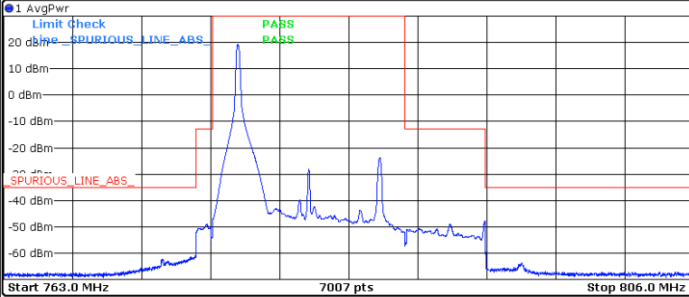
Date: 14.SEP.2024 03:58:38



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

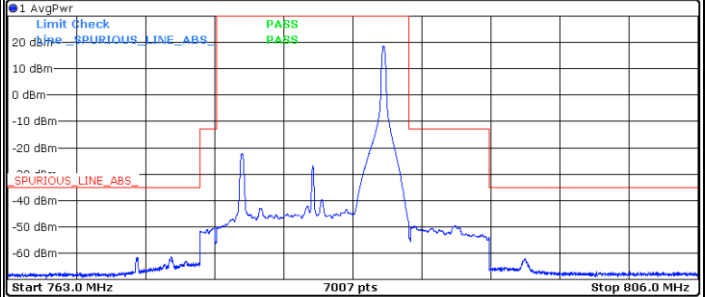
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.94605 MHz	-60.95 dBm	-25.95 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.65769 MHz	-49.17 dBm	-36.17 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97577 MHz	-54.01 dBm	-41.01 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.57642 MHz	19.21 dBm	-10.79 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.06818 MHz	-56.09 dBm	-43.09 dB
788.100 MHz	793.000 MHz	100.000 kHz	792.97308 MHz	-47.88 dBm	-34.88 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.03247 MHz	-59.84 dBm	-24.84 dB

Date: 14.SEP.2024 03:54:25

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

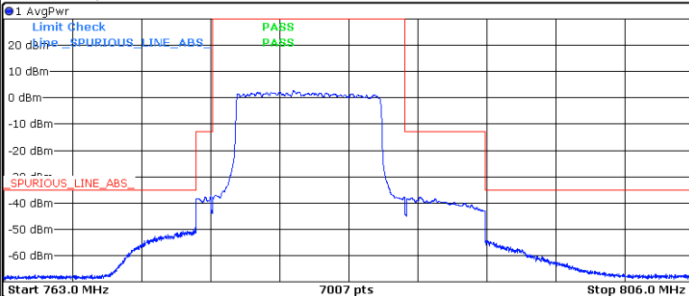
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.18382 MHz	-61.22 dBm	-26.22 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.87258 MHz	-50.67 dBm	-37.67 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98287 MHz	-55.70 dBm	-42.70 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.41159 MHz	18.56 dBm	-11.44 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00005 MHz	-54.07 dBm	-41.07 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.86818 MHz	-49.71 dBm	-36.71 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.24026 MHz	-62.11 dBm	-27.11 dB

Date: 14.SEP.2024 03:56:57

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	774.94605 MHz	-49.52 dBm	-14.52 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-37.22 dBm	-24.22 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96169 MHz	-42.67 dBm	-29.67 dB
776.000 MHz	788.000 MHz	100.000 kHz	781.05295 MHz	2.73 dBm	-27.27 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00005 MHz	-43.96 dBm	-30.96 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.92483 MHz	-37.79 dBm	-24.79 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.03247 MHz	-54.27 dBm	-19.27 dB

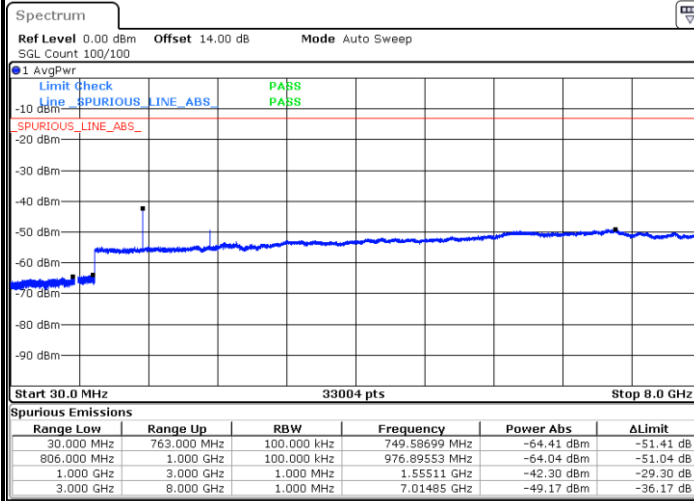
Date: 14.SEP.2024 03:59:28



Conducted Spurious Emission

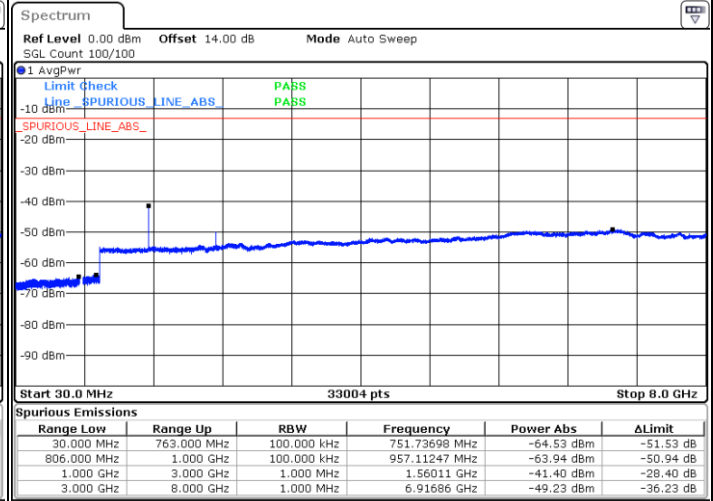
LTE Band 13 / 5MHz

Lowest Channel / QPSK



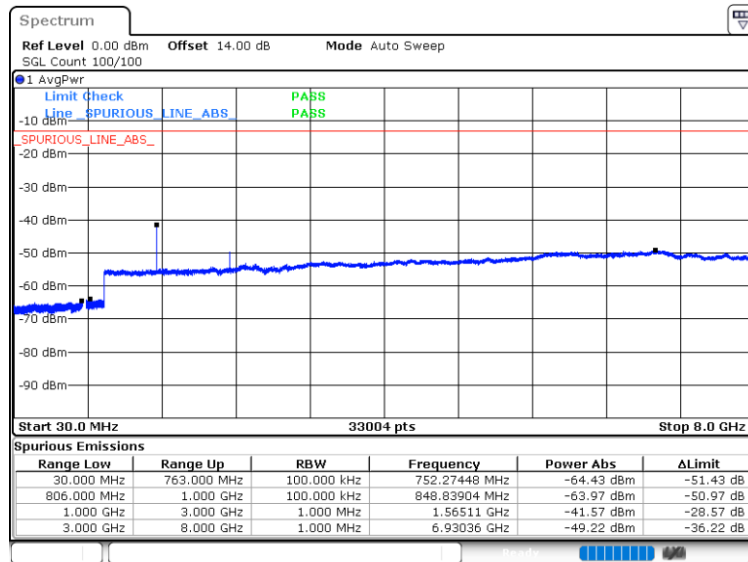
Date: 14.SEP.2024 03:41:55

Middle Channel / QPSK



Date: 14.SEP.2024 03:43:19

Highest Channel / QPSK

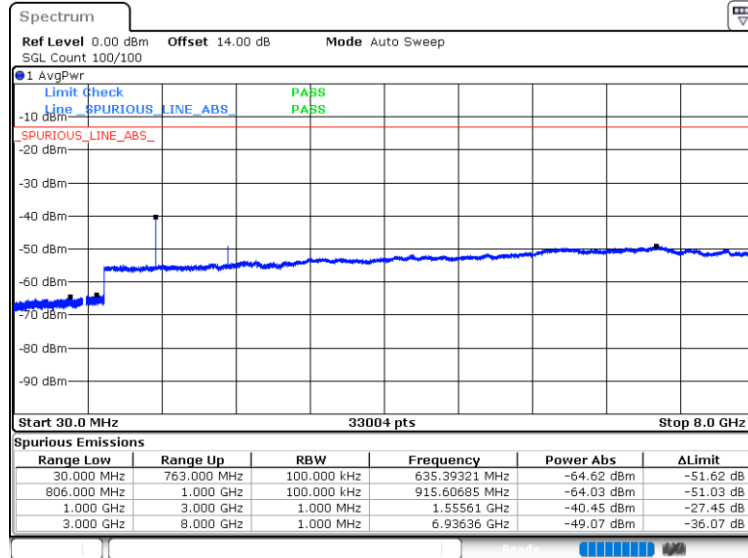


Date: 14.SEP.2024 03:51:10



LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 14-SEP-2024 04:00:54

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	0.0019	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0028	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0008	

Note:

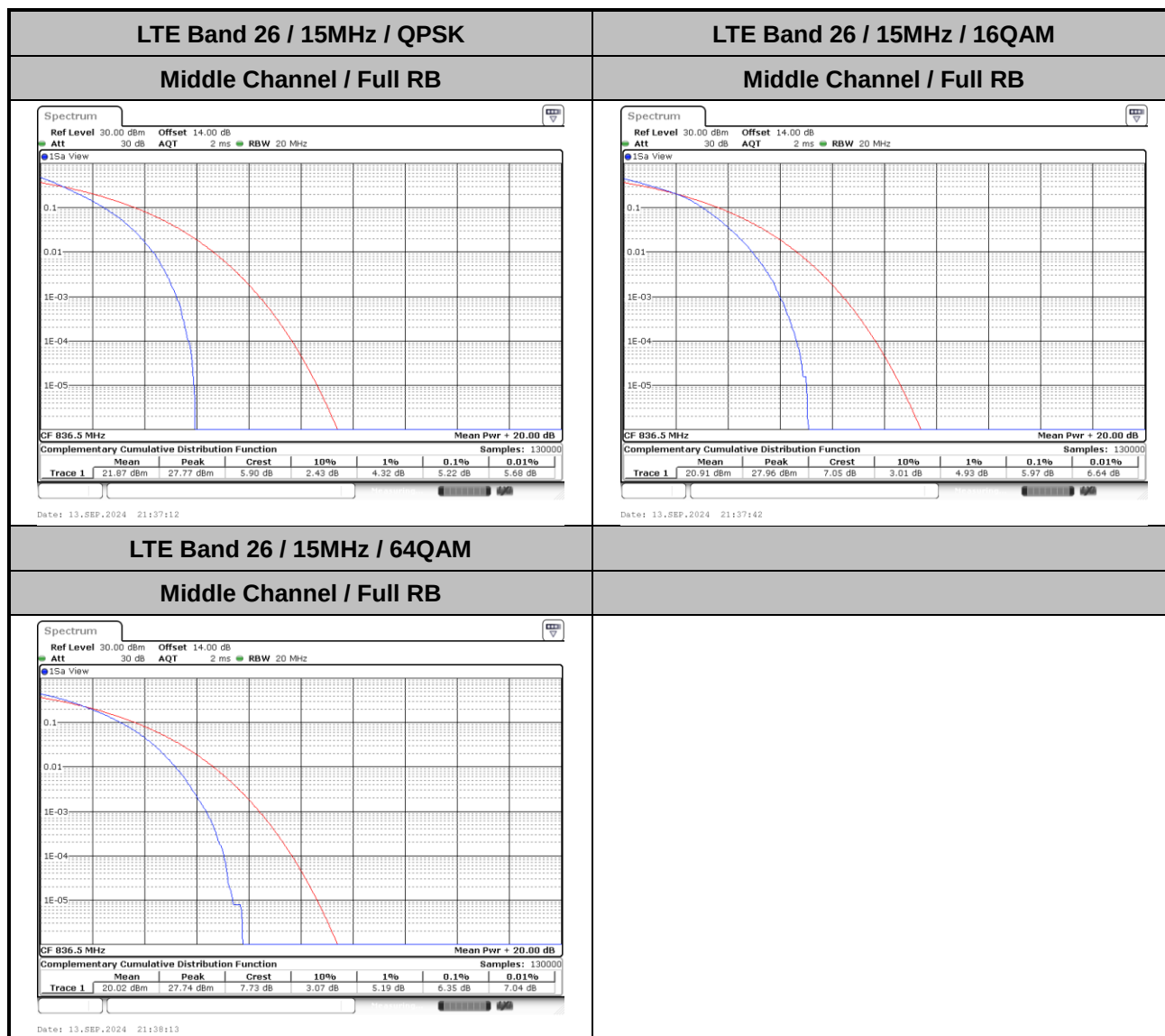
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 26

Peak-to-Average Ratio

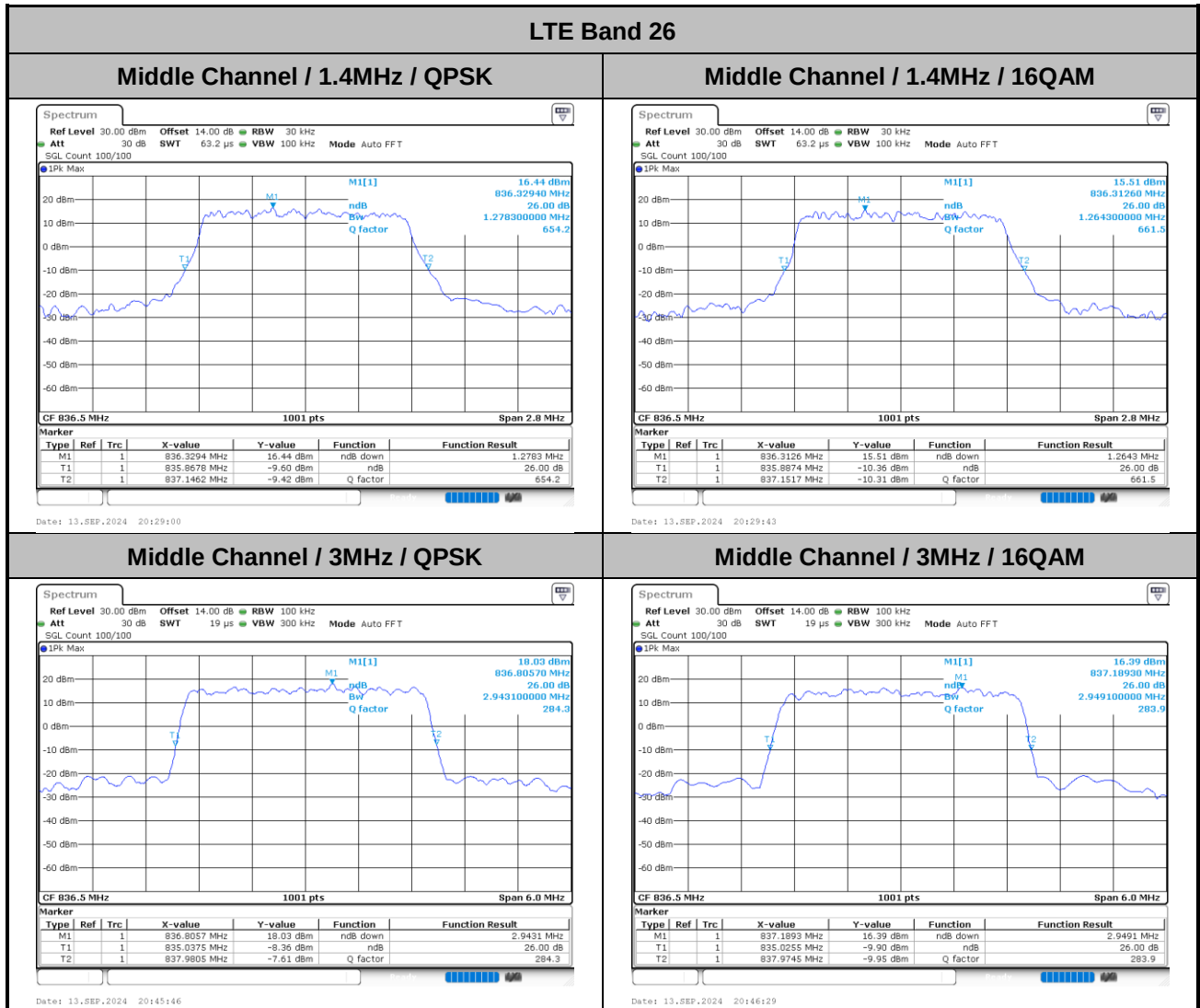
Mode	LTE Band 26 / 15MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.22	5.97	6.35	PASS





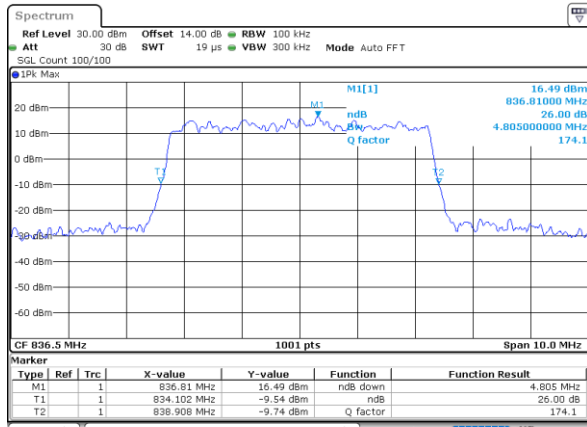
26dB Bandwidth

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	1.28	1.26	2.94	2.95	4.81	4.84	9.71	9.77	14.24	14.39	-	-



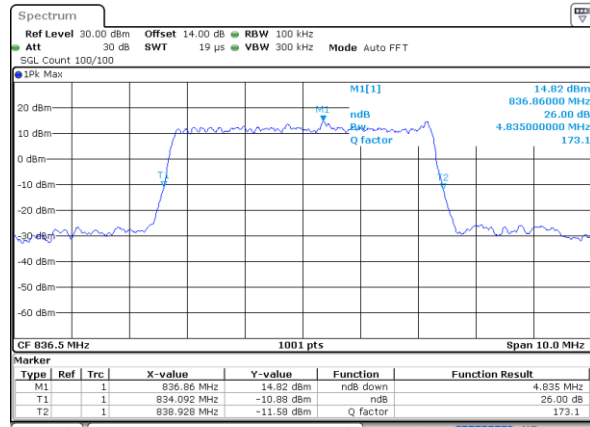


Middle Channel / 5MHz / QPSK



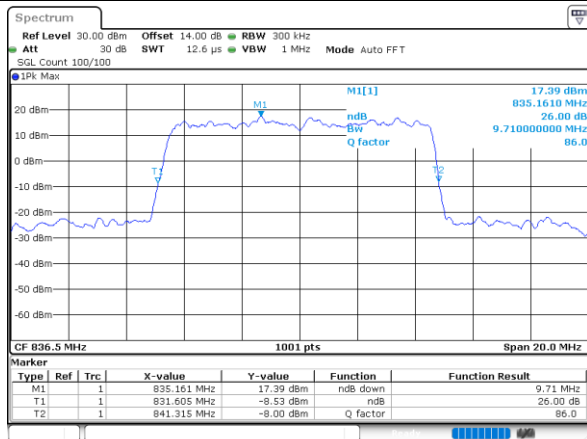
Date: 13.SEP.2024 21:02:31

Middle Channel / 5MHz / 16QAM



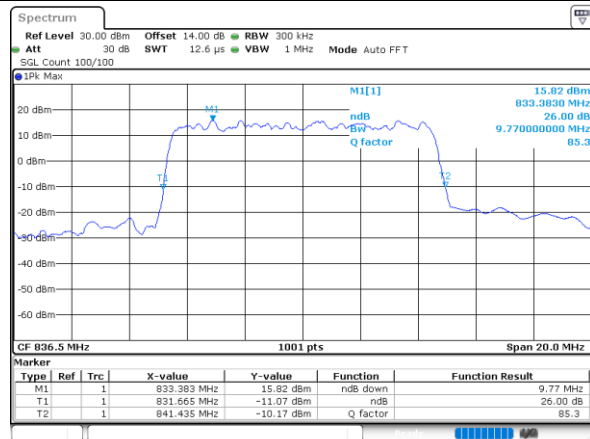
Date: 13.SEP.2024 21:03:14

Middle Channel / 10MHz / QPSK



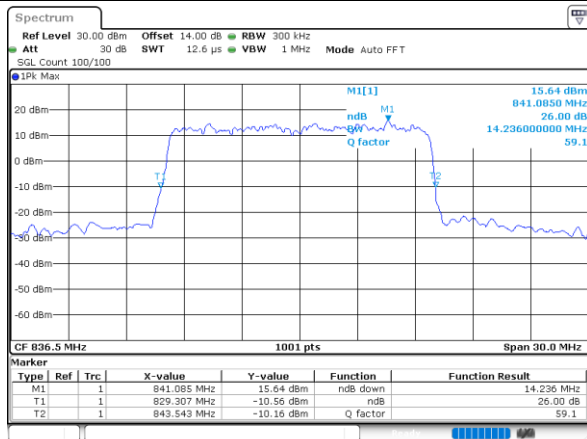
Date: 13.SEP.2024 21:19:18

Middle Channel / 10MHz / 16QAM



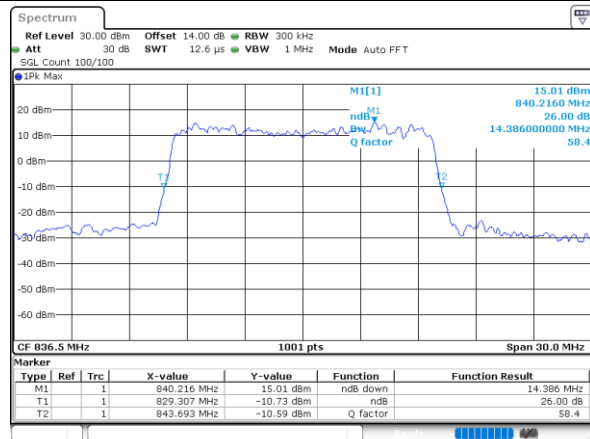
Date: 13.SEP.2024 21:20:01

Middle Channel / 15MHz / QPSK



Date: 13.SEP.2024 21:35:58

Middle Channel / 15MHz / 16QAM

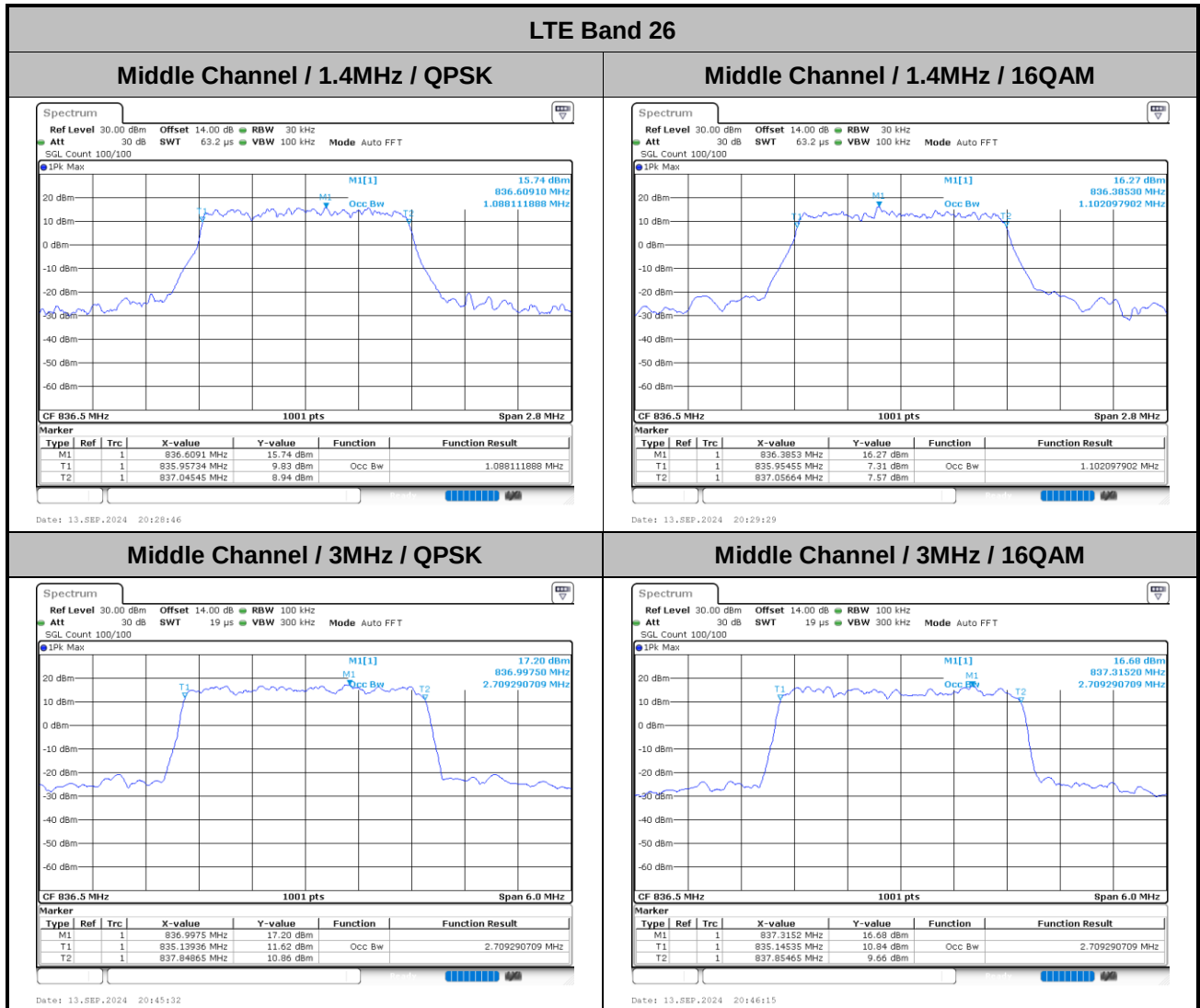


Date: 13.SEP.2024 21:36:41



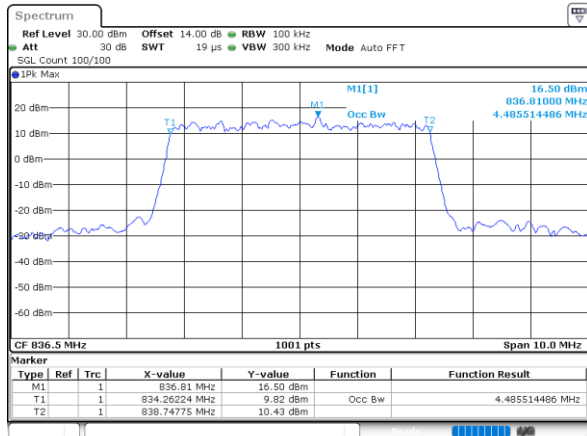
Occupied Bandwidth

Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		15MHz CH26790	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.10	2.71	2.71	4.49	4.48	9.03	9.01	13.43	13.40	13.46	13.46



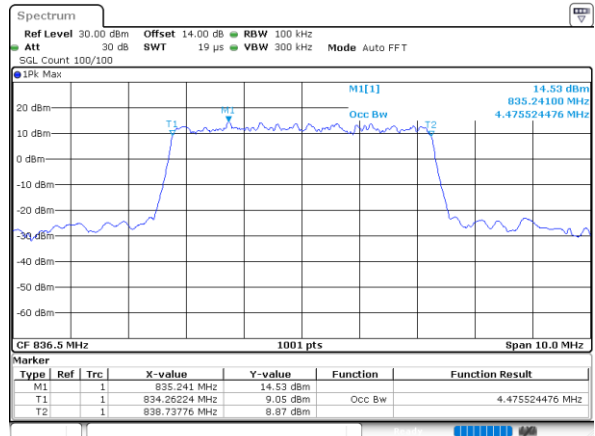


Middle Channel / 5MHz / QPSK



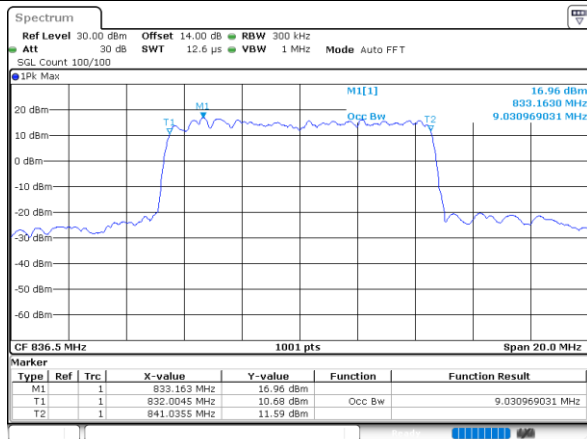
Date: 13.SEP.2024 21:02:17

Middle Channel / 5MHz / 16QAM



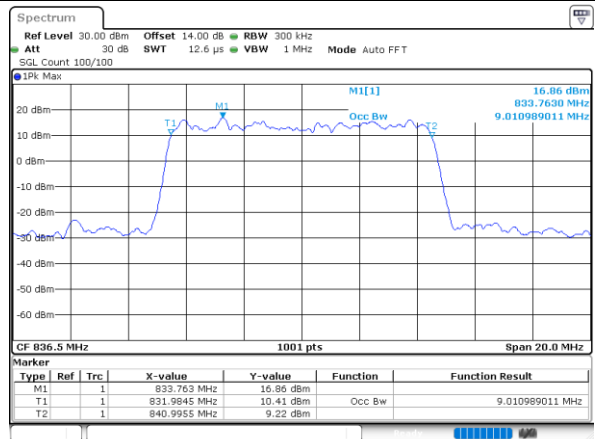
Date: 13.SEP.2024 21:03:01

Middle Channel / 10MHz / QPSK



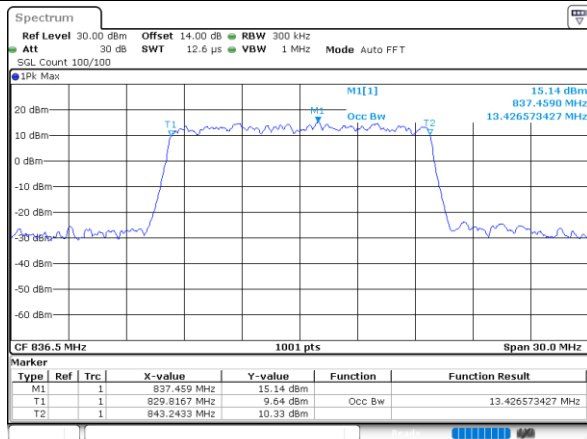
Date: 13.SEP.2024 21:19:03

Middle Channel / 10MHz / 16QAM



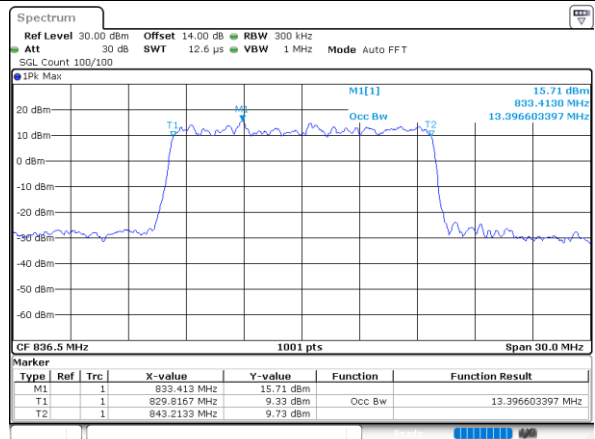
Date: 13.SEP.2024 21:19:47

Middle Channel / 15MHz / QPSK

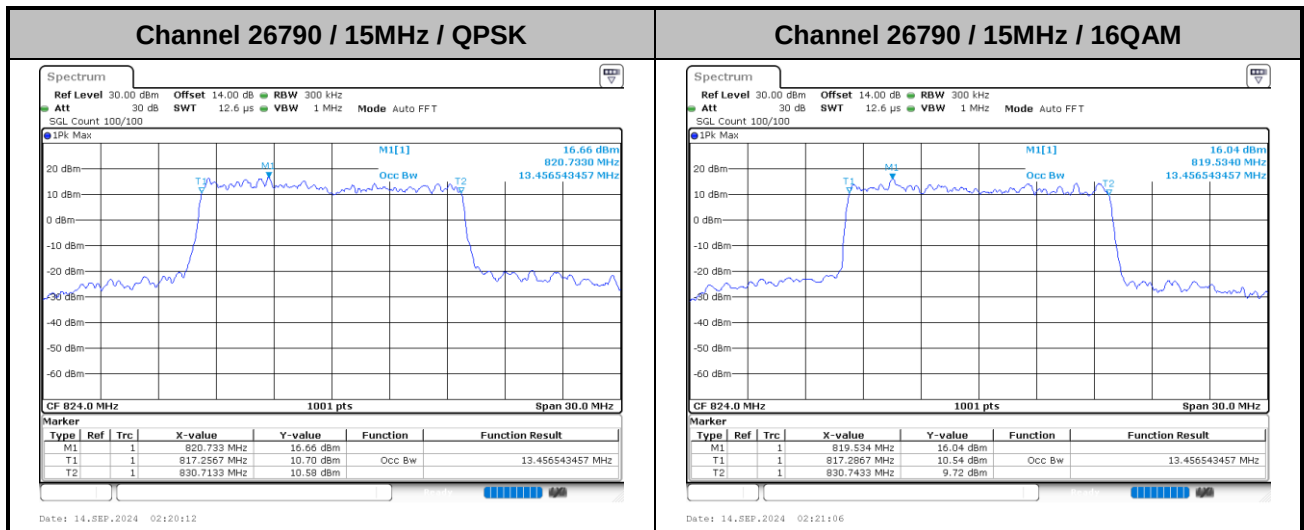


Date: 13.SEP.2024 21:35:44

Middle Channel / 15MHz / 16QAM



Date: 13.SEP.2024 21:36:27

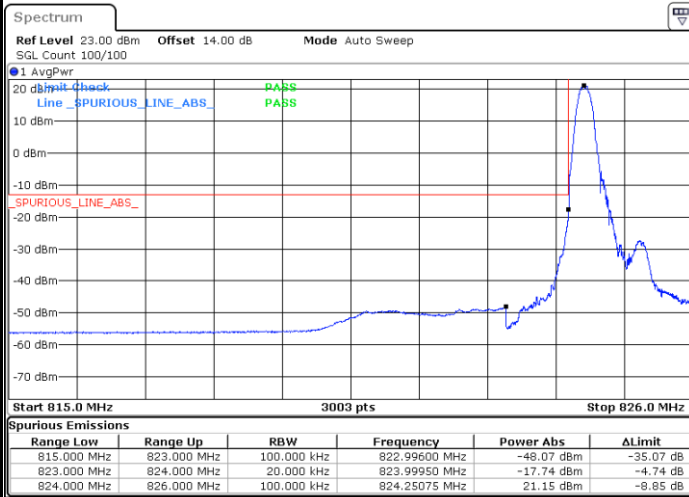




Conducted Band Edge

LTE Band 26 / 1.4MHz / QPSK

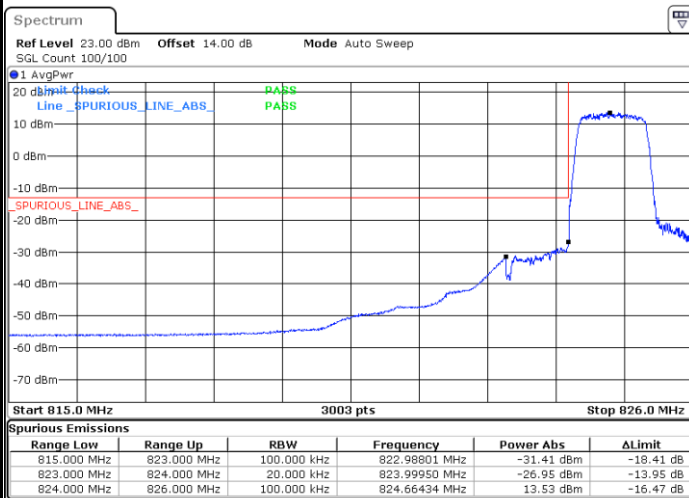
Lowest Band Edge / 1RB



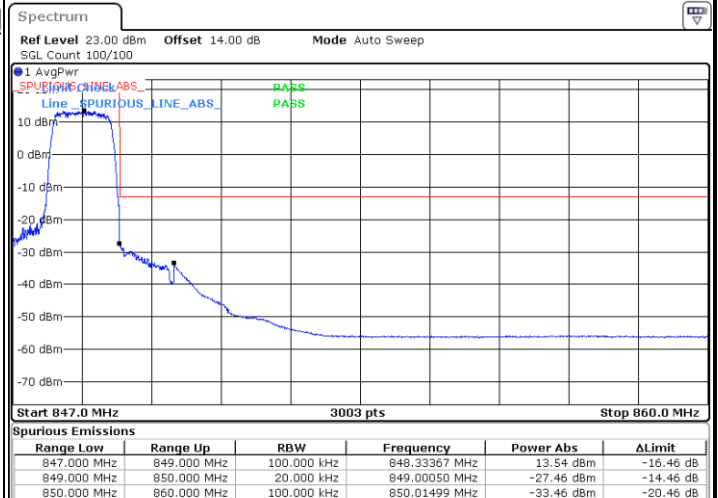
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



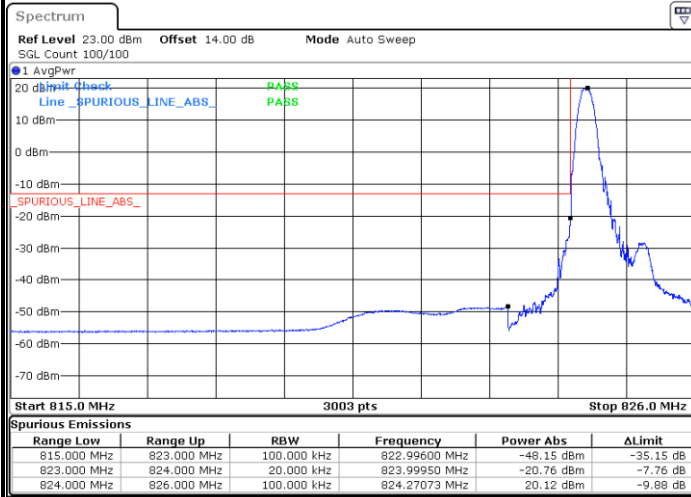
Highest Band Edge / Full RB





LTE Band 26 / 1.4MHz / 16QAM

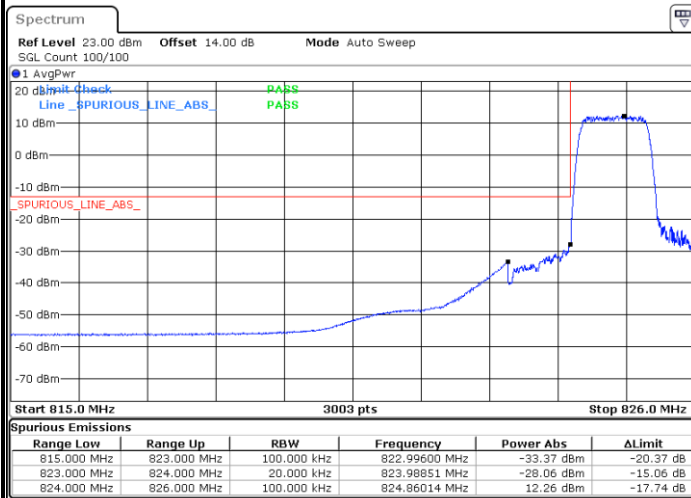
Lowest Band Edge / 1 RB



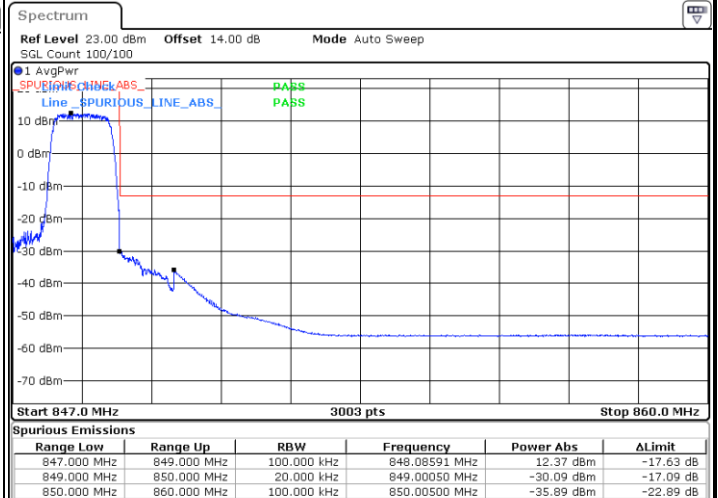
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB





LTE Band 26 / 1.4MHz / 64QAM

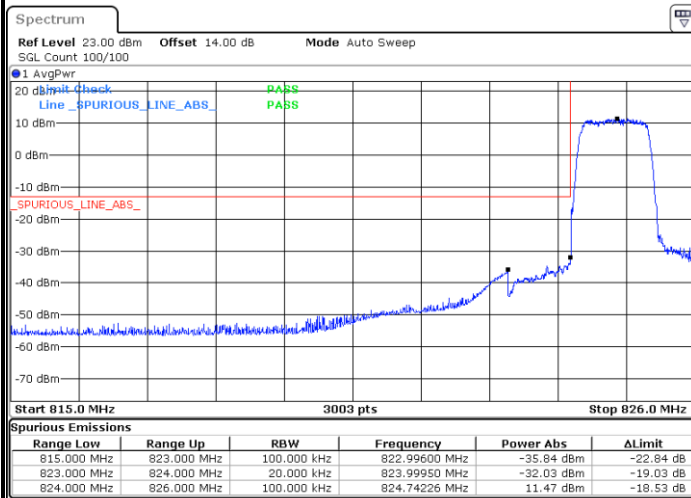
Lowest Band Edge / 1 RB



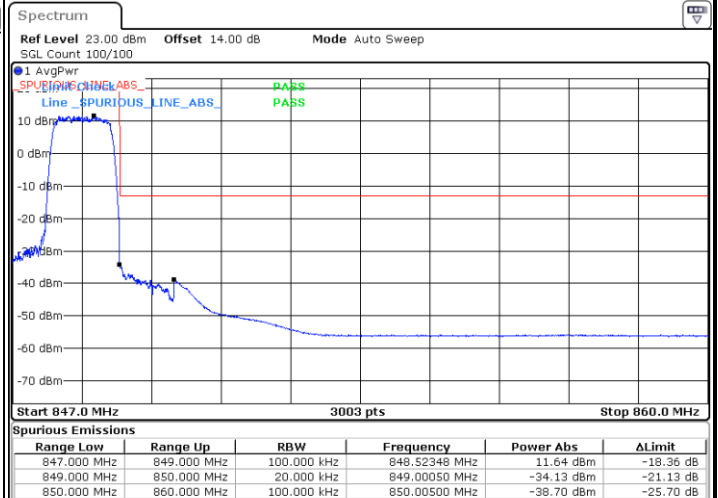
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



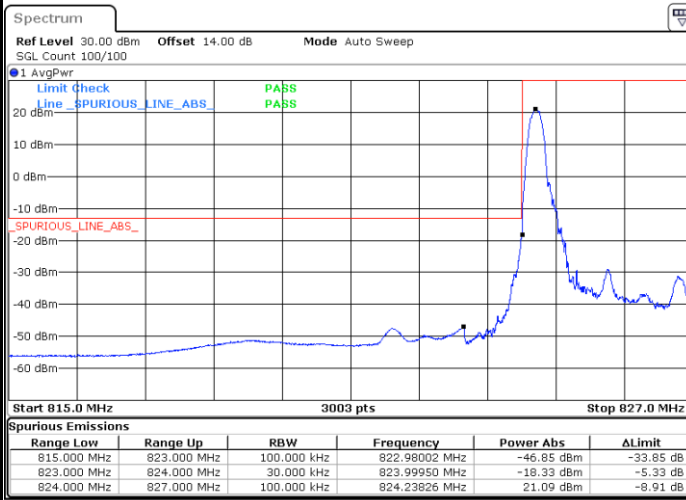
Highest Band Edge / Full RB



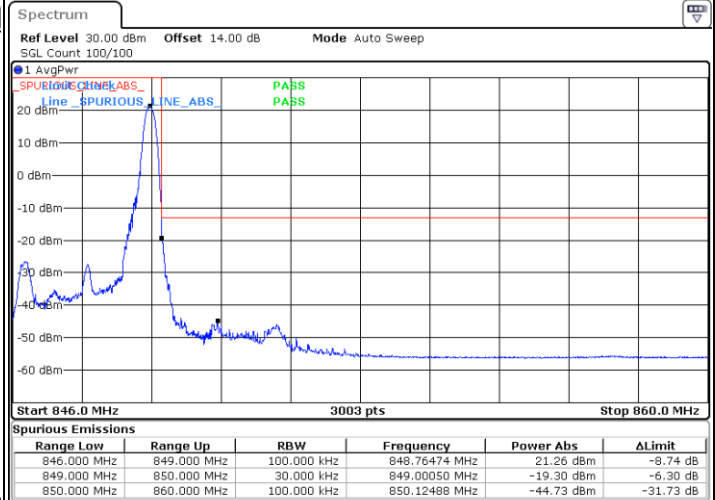


LTE Band 26 / 3MHz / QPSK

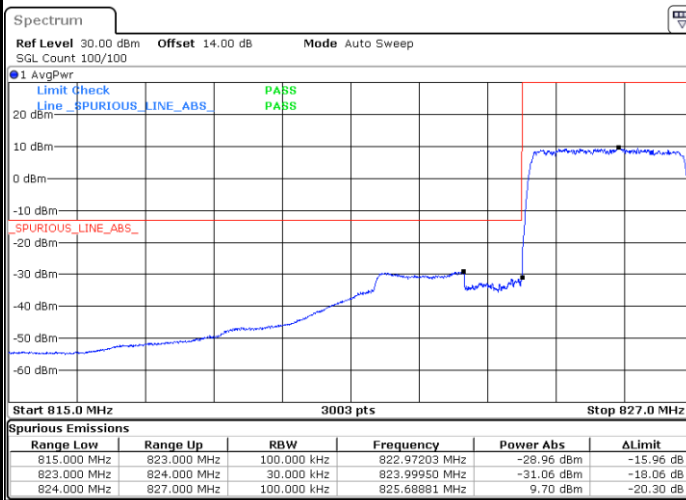
Lowest Band Edge / 1RB



Highest Band Edge / 1RB



Lowest Band Edge / Full RB



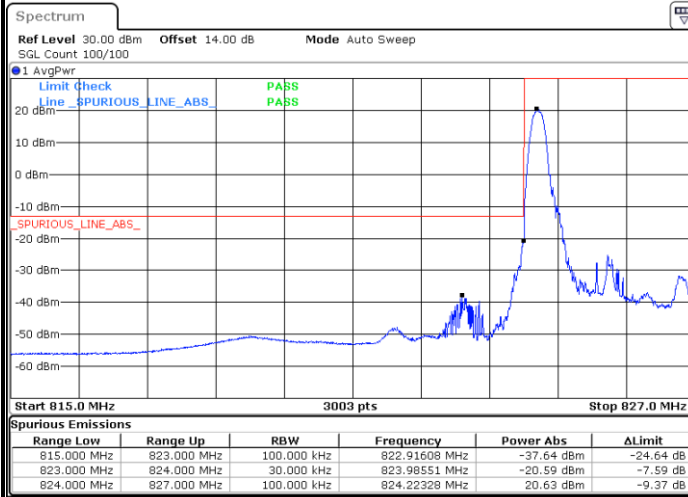
Highest Band Edge / Full RB





LTE Band 26 / 3MHz / 16QAM

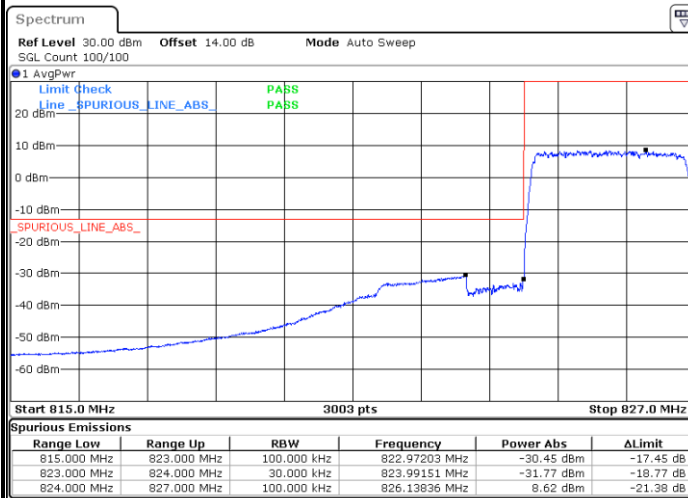
Lowest Band Edge / 1 RB



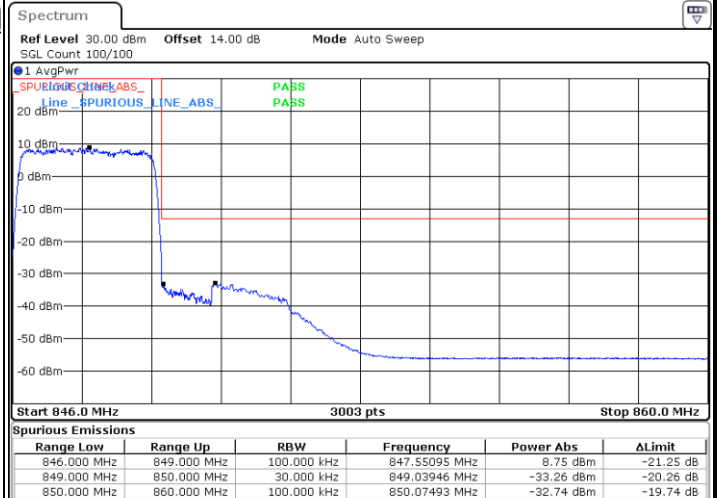
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



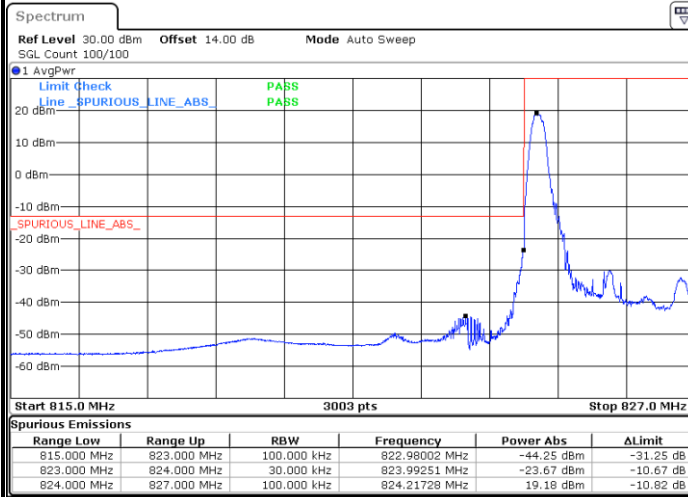
Highest Band Edge / Full RB



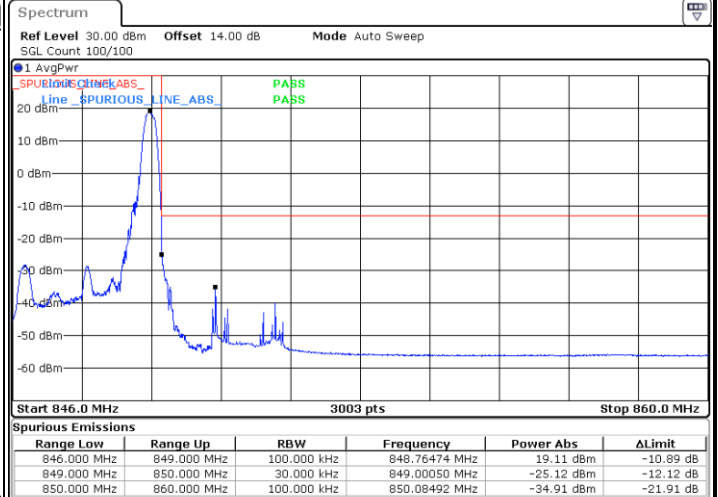


LTE Band 26 / 3MHz / 64QAM

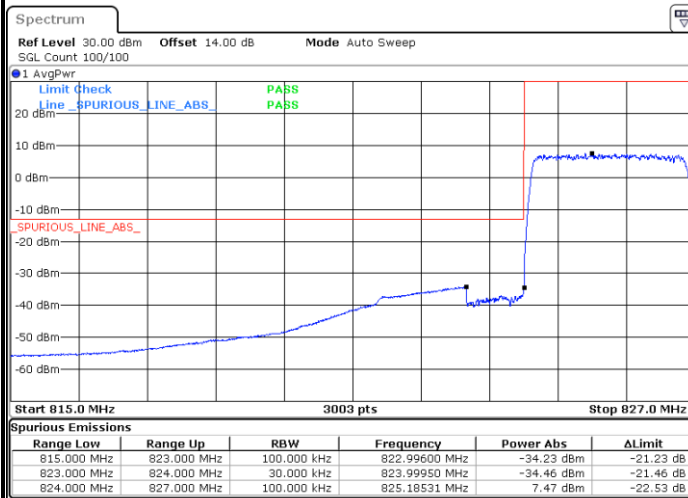
Lowest Band Edge / 1 RB



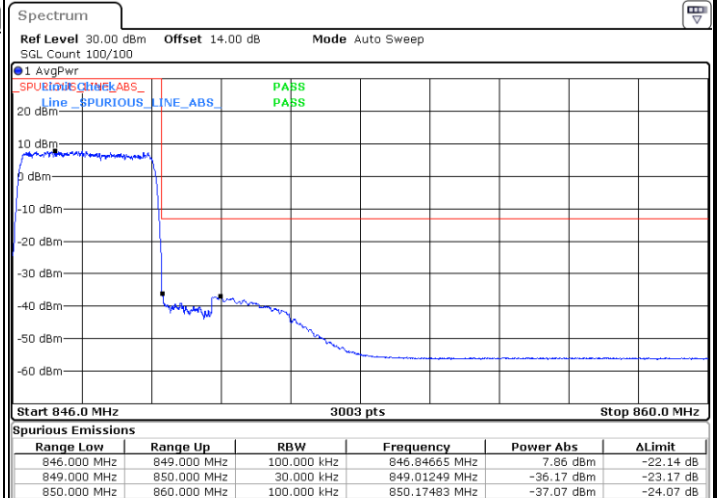
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



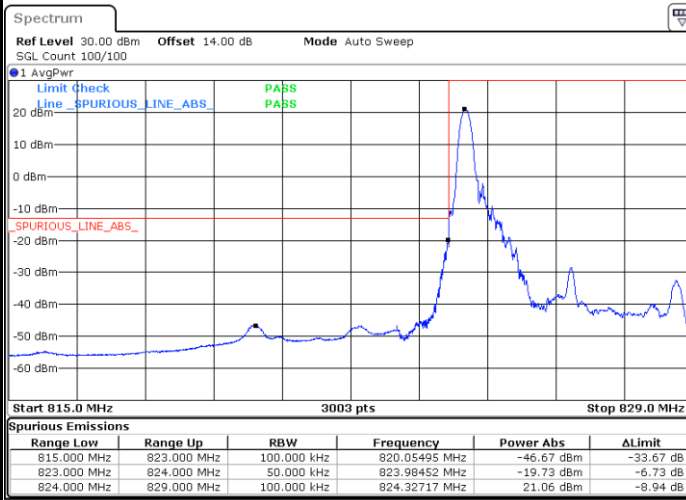
Highest Band Edge / Full RB





LTE Band 26 / 5MHz / QPSK

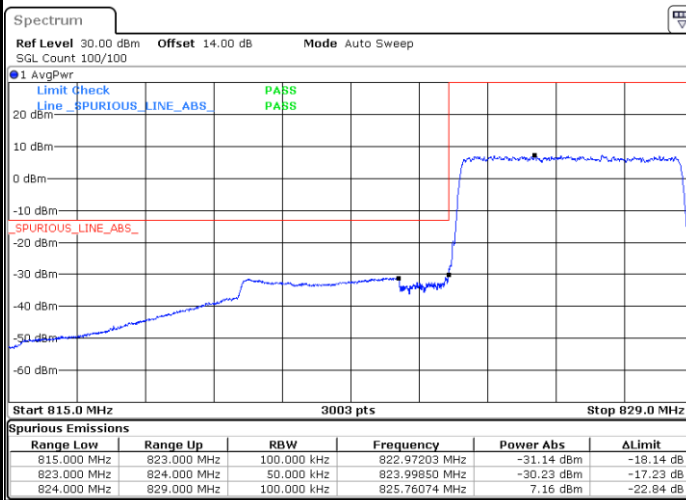
Lowest Band Edge / 1RB



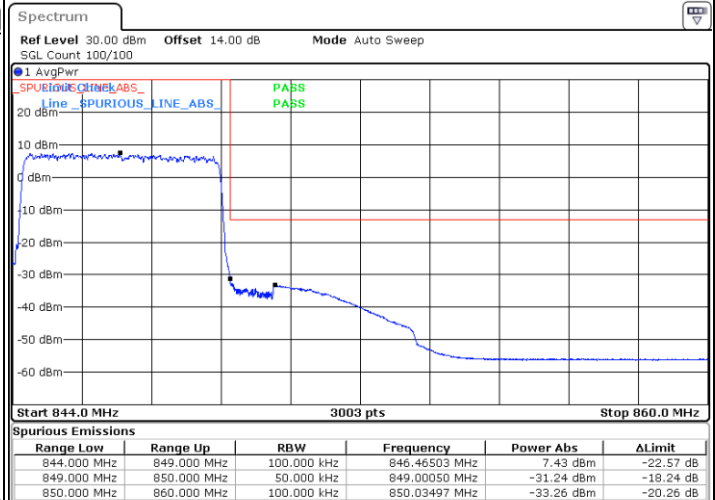
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



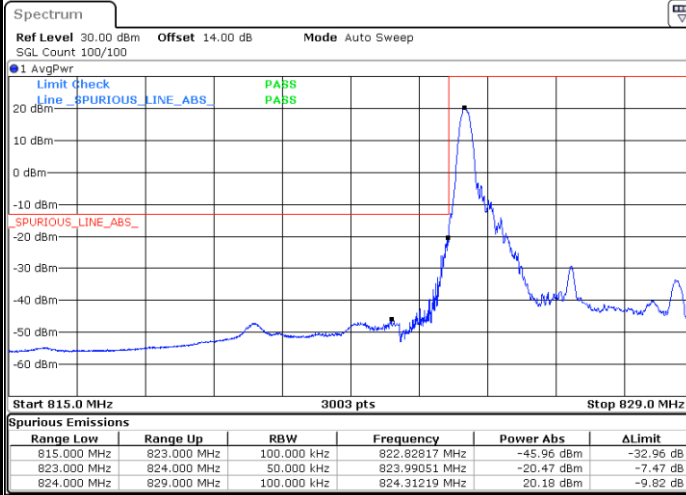
Highest Band Edge / Full RB





LTE Band 26 / 5MHz / 16QAM

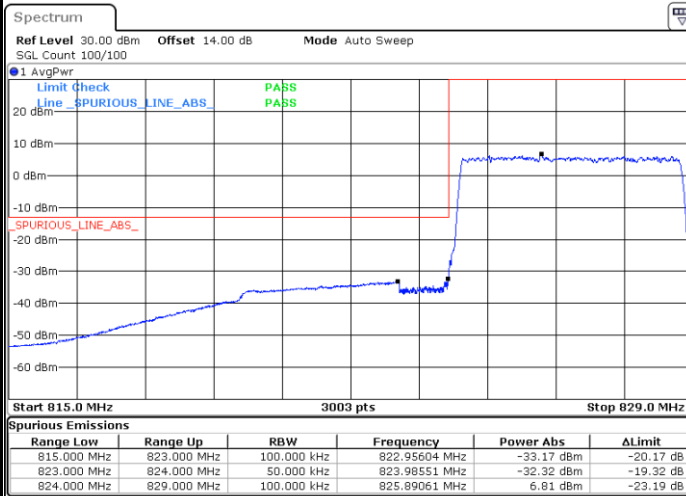
Lowest Band Edge / 1 RB



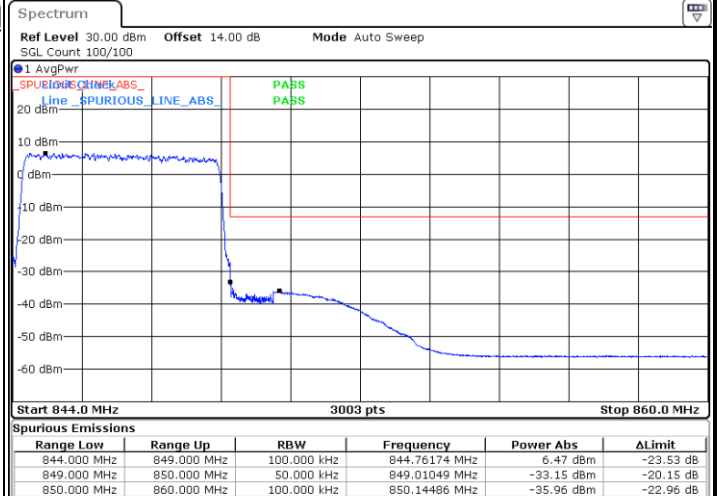
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



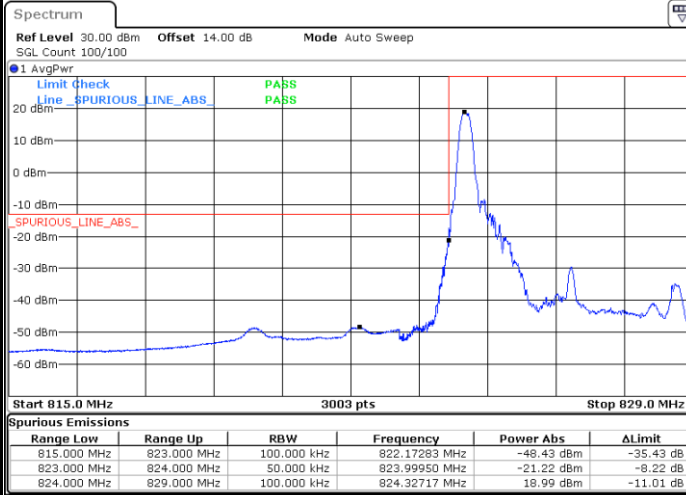
Highest Band Edge / Full RB





LTE Band 26 / 5MHz / 64QAM

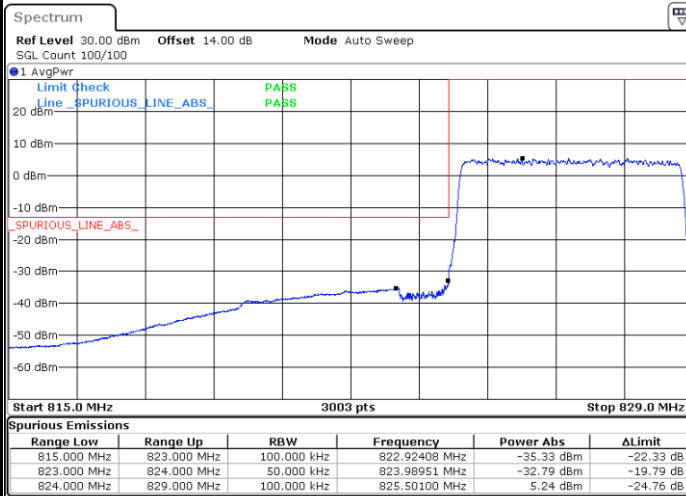
Lowest Band Edge / 1 RB



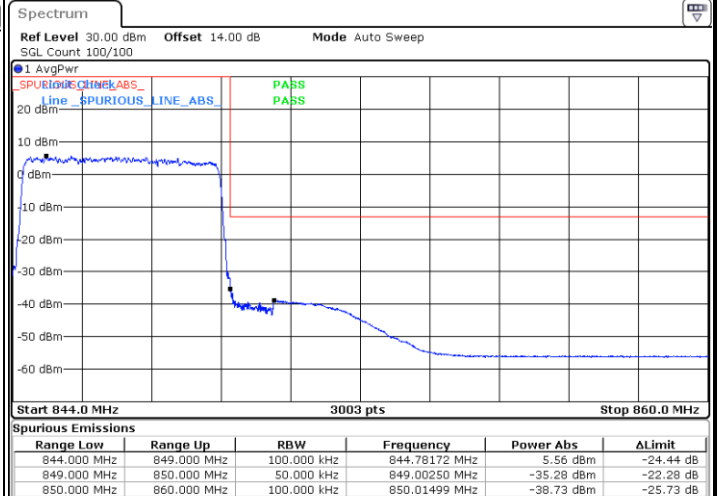
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



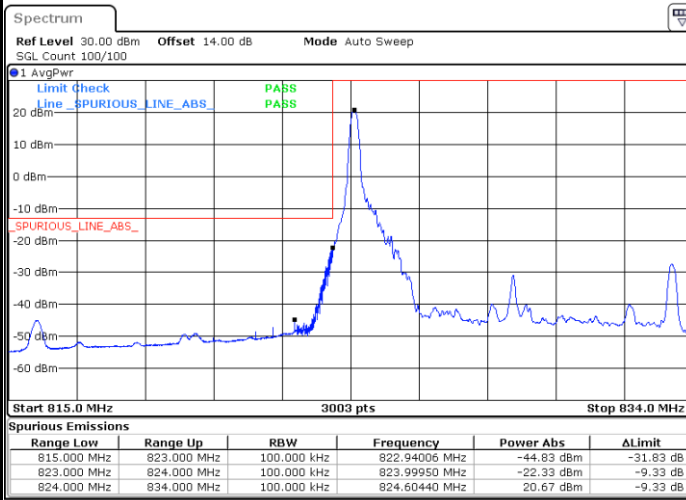
Highest Band Edge / Full RB



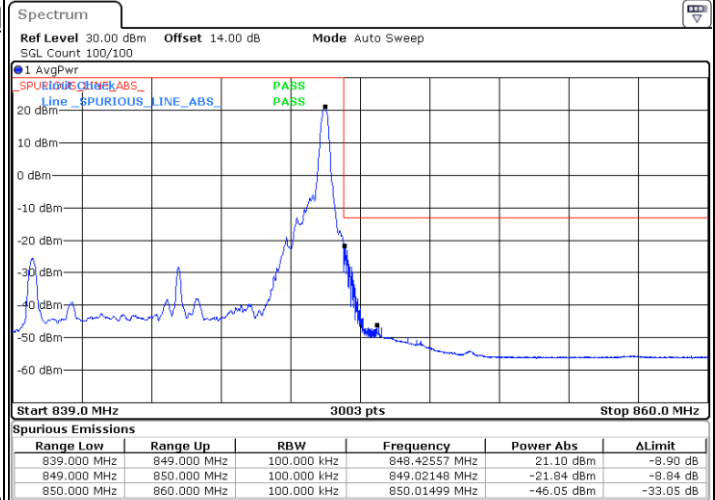


LTE Band 26 / 10MHz / QPSK

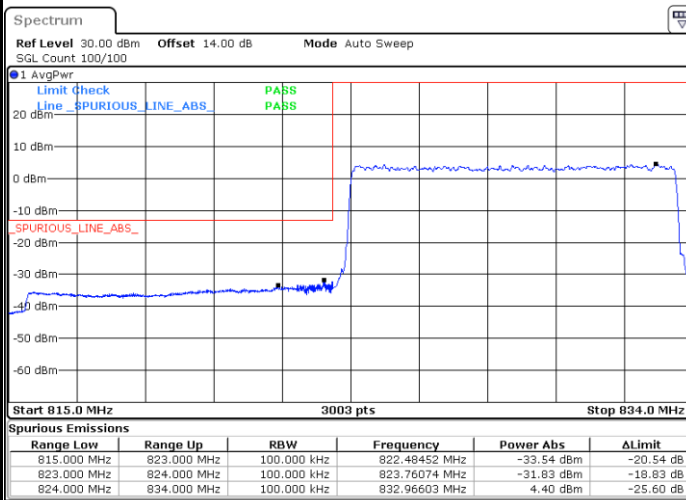
Lowest Band Edge / 1RB



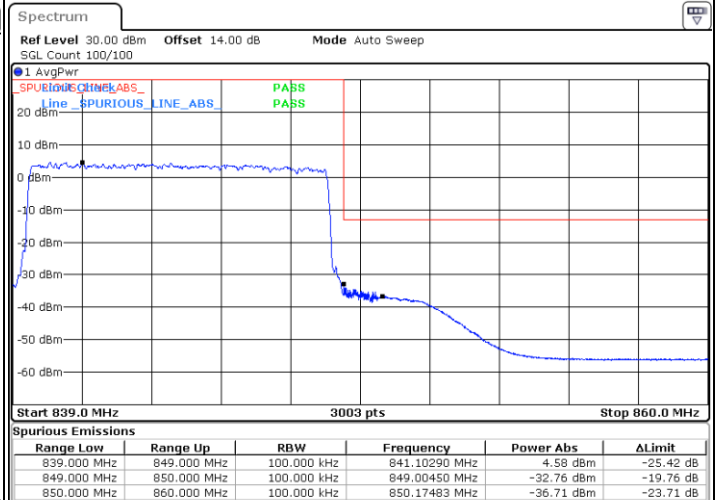
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



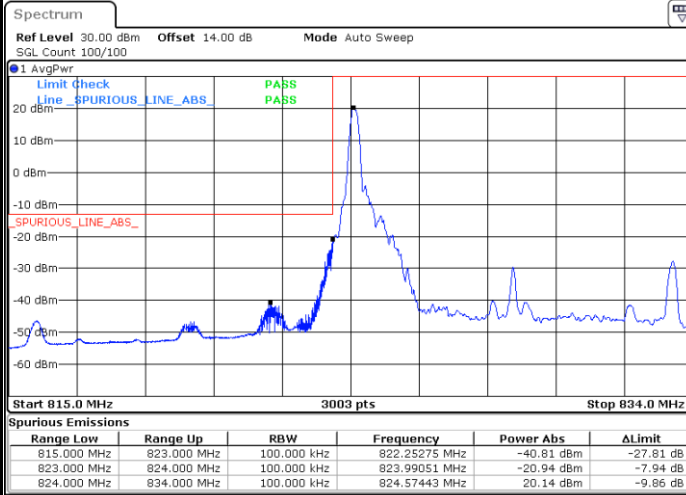
Highest Band Edge / Full RB



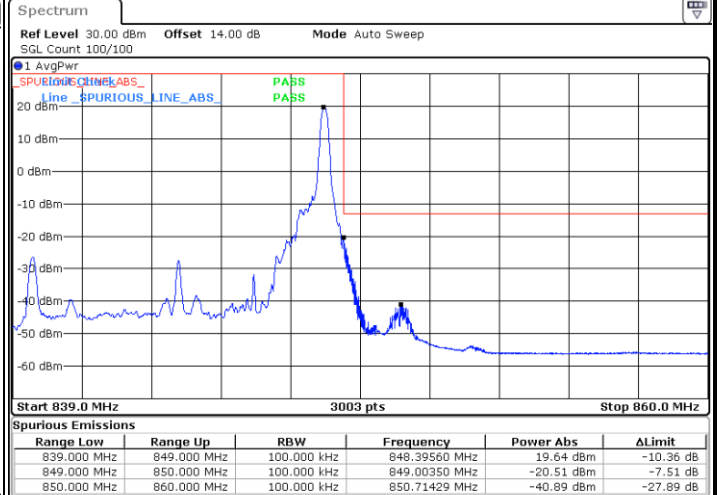


LTE Band 26 / 10MHz / 16QAM

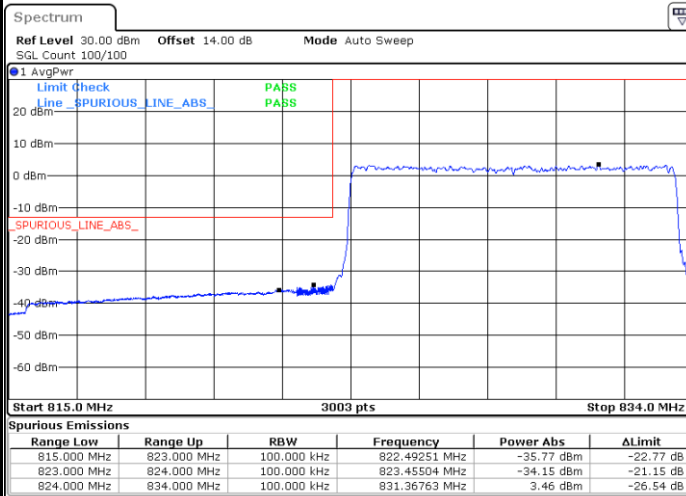
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

