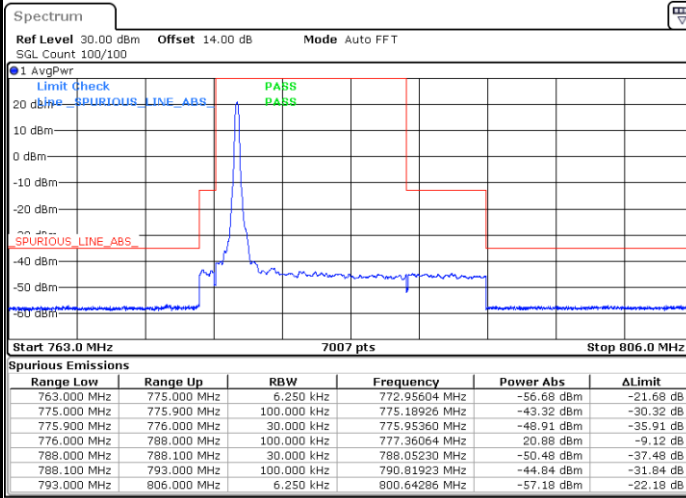




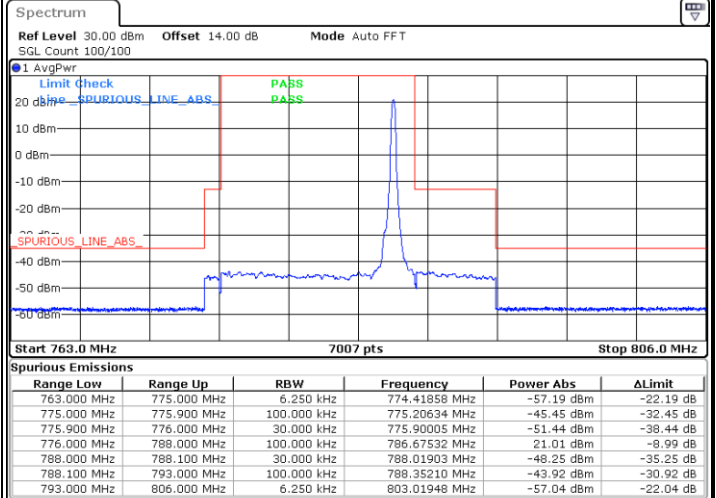
LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



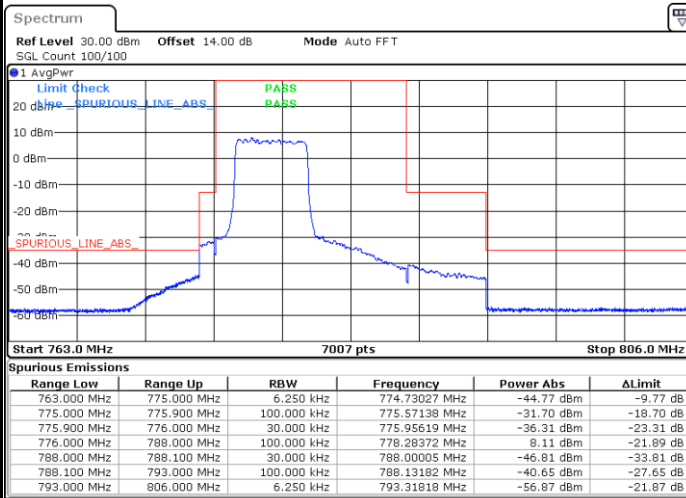
Date: 27.MAY.2024 01:42:08

Highest Band Edge / 1 RB



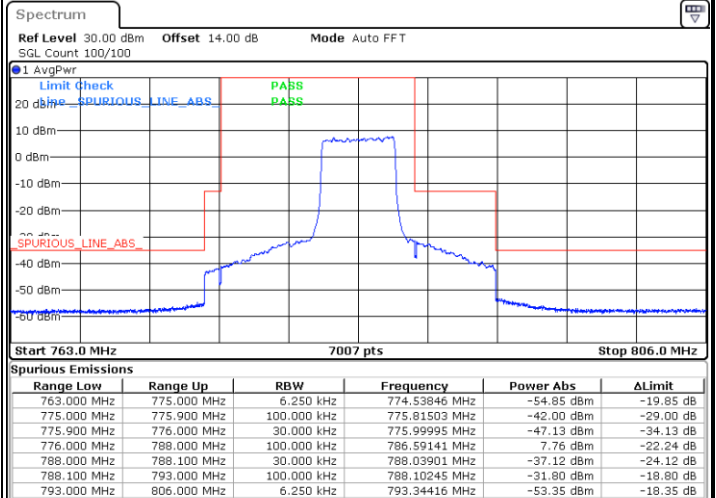
Date: 27.MAY.2024 01:52:34

Lowest Band Edge / Full RB



Date: 27.MAY.2024 01:45:31

Highest Band Edge / Full RB

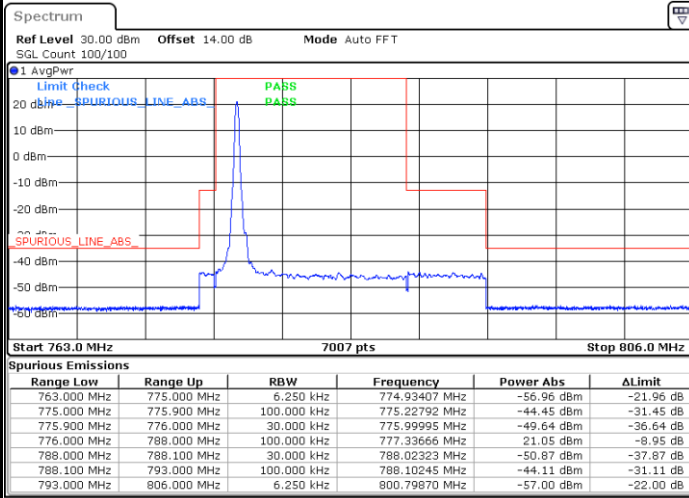


Date: 27.MAY.2024 01:55:58



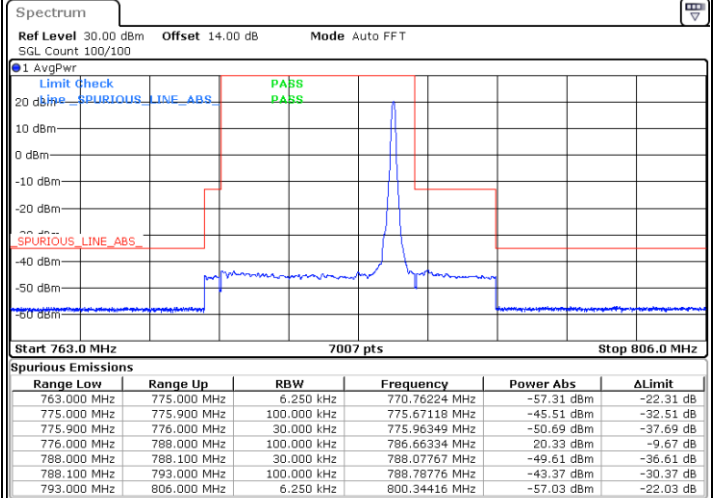
LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



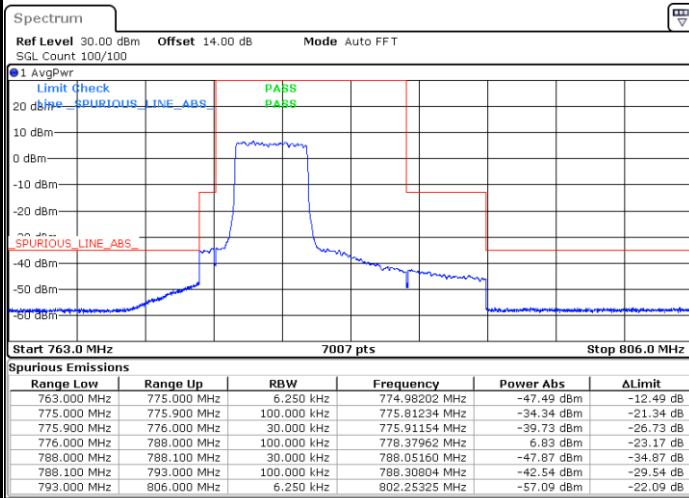
Date: 27.MAY.2024 01:43:16

Highest Band Edge / 1 RB



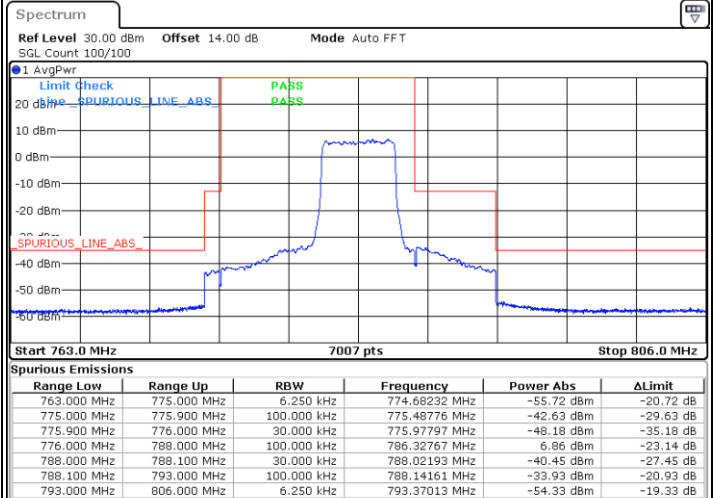
Date: 27.MAY.2024 01:53:42

Lowest Band Edge / Full RB



Date: 27.MAY.2024 01:46:39

Highest Band Edge / Full RB

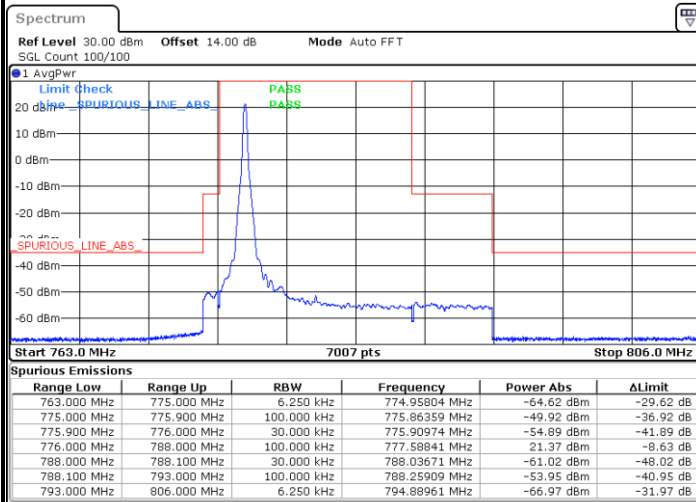


Date: 27.MAY.2024 01:57:05



LTE Band 13 / 10MHz / QPSK

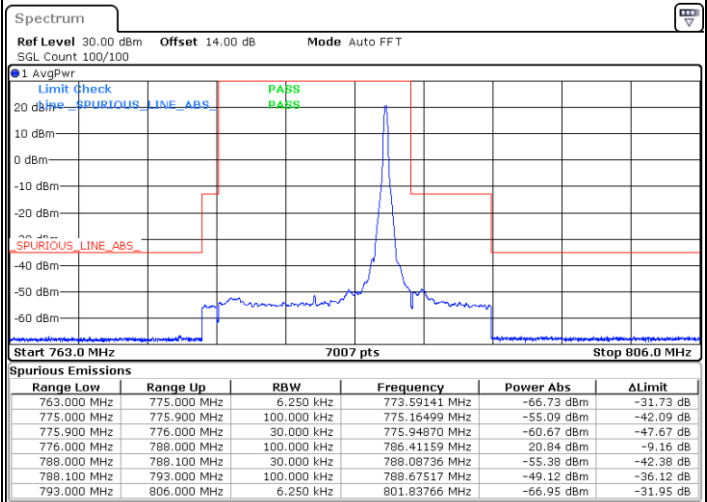
Band Edge / 1 RB



Date: 27.MAY.2024 01:59:26

LTE Band 13 / 10MHz / QPSK

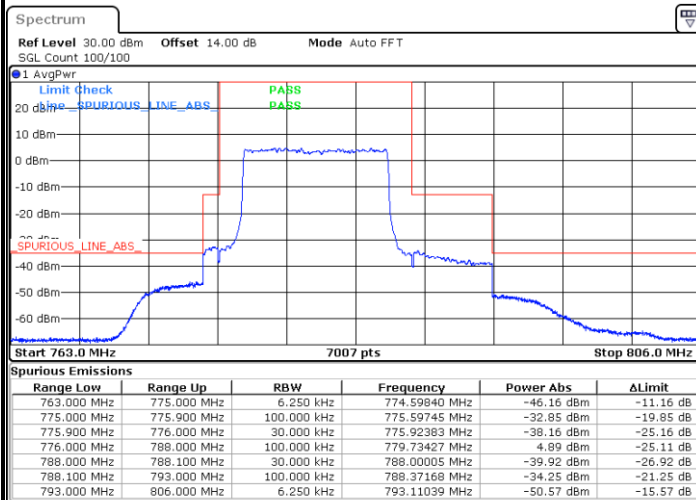
Band Edge / 1 RB



Date: 27.MAY.2024 02:02:46

LTE Band 13 / 10MHz / QPSK

Band Edge / Full RB



Date: 27.MAY.2024 02:06:07

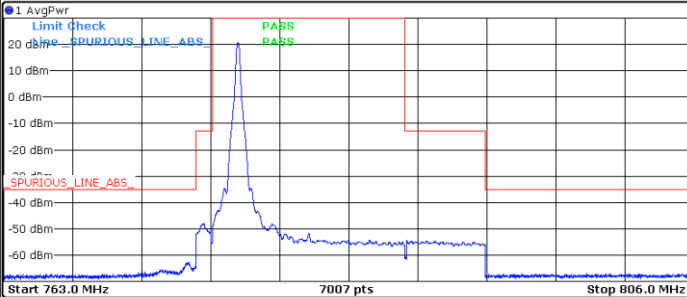
NA



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

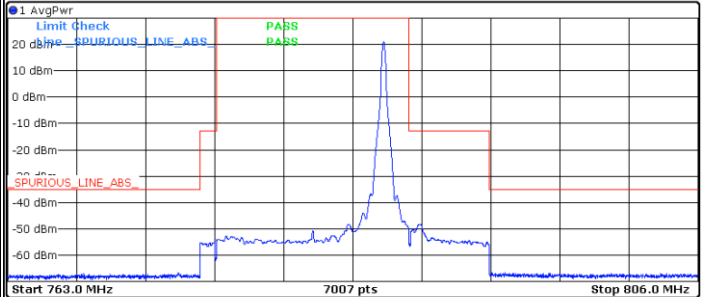
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.53846 MHz	-62.81 dBm	-27.81 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.43472 MHz	-47.96 dBm	-34.96 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99995 MHz	-55.13 dBm	-42.13 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.60040 MHz	-20.67 dBm	-9.33 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04441 MHz	-60.62 dBm	-47.62 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10245 MHz	-54.51 dBm	-41.51 dB
793.000 MHz	806.000 MHz	6.250 kHz	799.30519 MHz	-67.06 dBm	-32.06 dB

Date: 27.MAY.2024 02:00:33

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

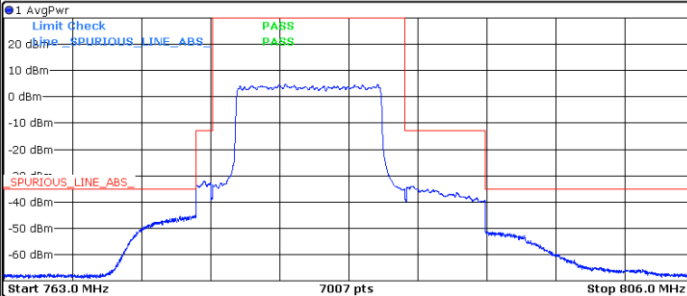
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.63936 MHz	-66.82 dBm	-31.82 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88247 MHz	-55.23 dBm	-42.23 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.92203 MHz	-60.86 dBm	-47.86 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.41159 MHz	-20.91 dBm	-9.09 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.06798 MHz	-55.74 dBm	-42.74 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.60664 MHz	-48.32 dBm	-35.32 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.13636 MHz	-66.54 dBm	-31.54 dB

Date: 27.MAY.2024 02:03:53

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	-45.12 dBm	-10.12 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.49405 MHz	-32.16 dBm	-19.16 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97737 MHz	-38.27 dBm	-25.27 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.56144 MHz	-4.79 dBm	-25.21 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09995 MHz	-38.81 dBm	-25.81 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.42552 MHz	-34.13 dBm	-21.13 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.12338 MHz	-51.34 dBm	-16.34 dB

Date: 27.MAY.2024 02:07:14

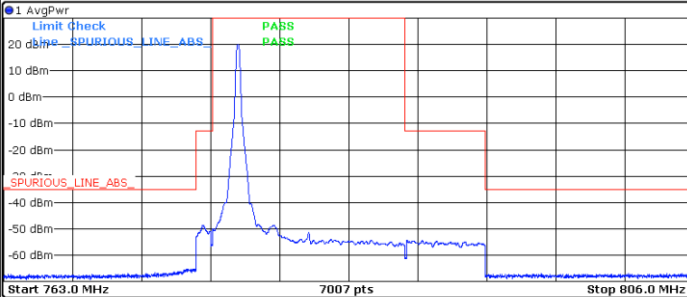
NA



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

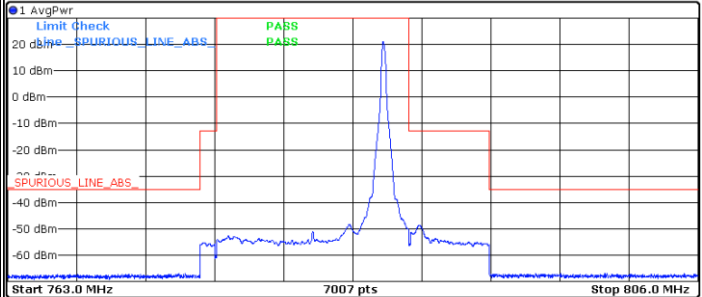
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.67033 MHz	-65.23 dBm	-30.23 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.41853 MHz	-48.64 dBm	-35.64 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.95040 MHz	-55.95 dBm	-42.95 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.58841 MHz	-20.04 dBm	-9.96 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05889 MHz	-60.87 dBm	-47.87 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10245 MHz	-54.38 dBm	-41.38 dB
793.000 MHz	806.000 MHz	6.250 kHz	796.46104 MHz	-67.02 dBm	-32.02 dB

Date: 27.MAY.2024 02:01:39

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

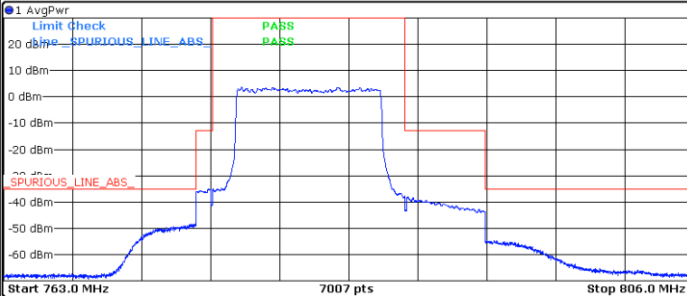
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.65135 MHz	-66.97 dBm	-31.97 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.16948 MHz	-55.22 dBm	-42.22 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93781 MHz	-60.42 dBm	-47.42 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.38761 MHz	-20.97 dBm	-9.03 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09196 MHz	-55.61 dBm	-42.61 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.66049 MHz	-48.70 dBm	-35.70 dB
793.000 MHz	806.000 MHz	6.250 kHz	797.46104 MHz	-67.10 dBm	-32.10 dB

Date: 27.MAY.2024 02:05:00

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	774.92617 MHz	-48.25 dBm	-13.25 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.76469 MHz	-35.06 dBm	-22.06 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99995 MHz	-40.91 dBm	-27.91 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.81618 MHz	3.62 dBm	-26.38 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.08576 MHz	-43.09 dBm	-30.09 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.15140 MHz	-38.18 dBm	-25.18 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.11039 MHz	-54.66 dBm	-19.66 dB

Date: 27.MAY.2024 02:08:21

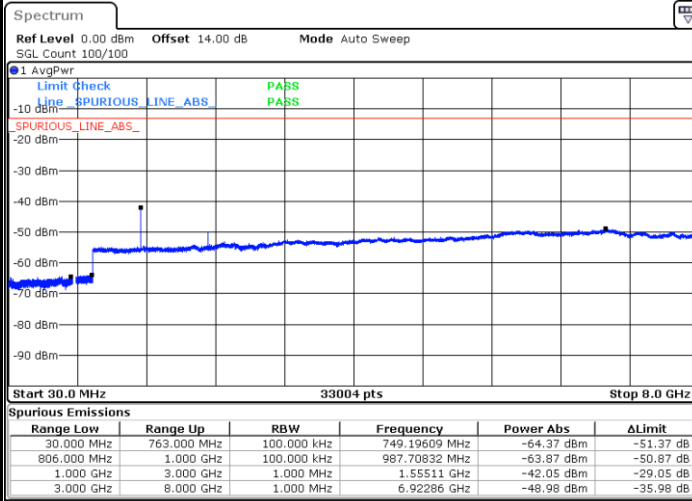
NA



Conducted Spurious Emission

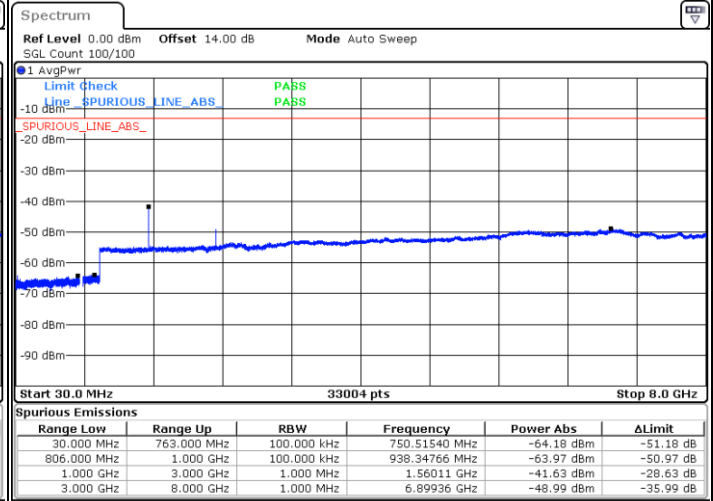
LTE Band 13 / 5MHz

Lowest Channel / QPSK



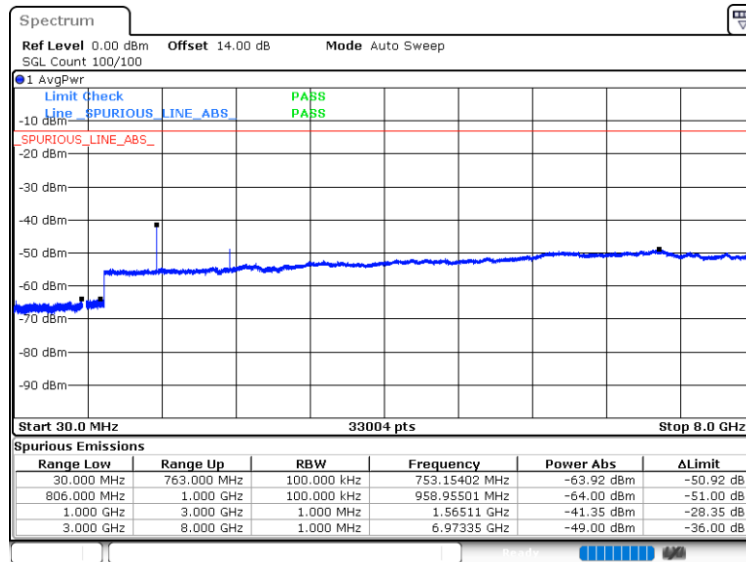
Date: 27.MAY.2024 01:47:51

Middle Channel / QPSK



Date: 27.MAY.2024 01:49:01

Highest Channel / QPSK

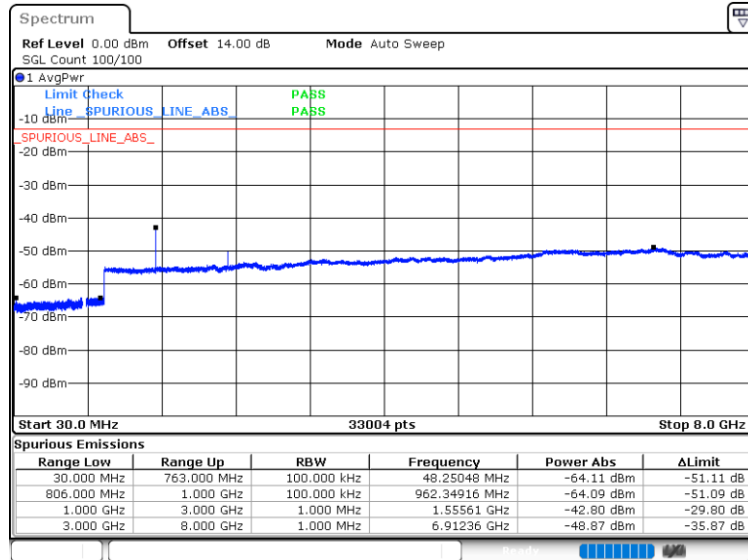


Date: 27.MAY.2024 01:58:17



LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 27.MAY.2024 02:09:35

**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	0.0015	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Note:

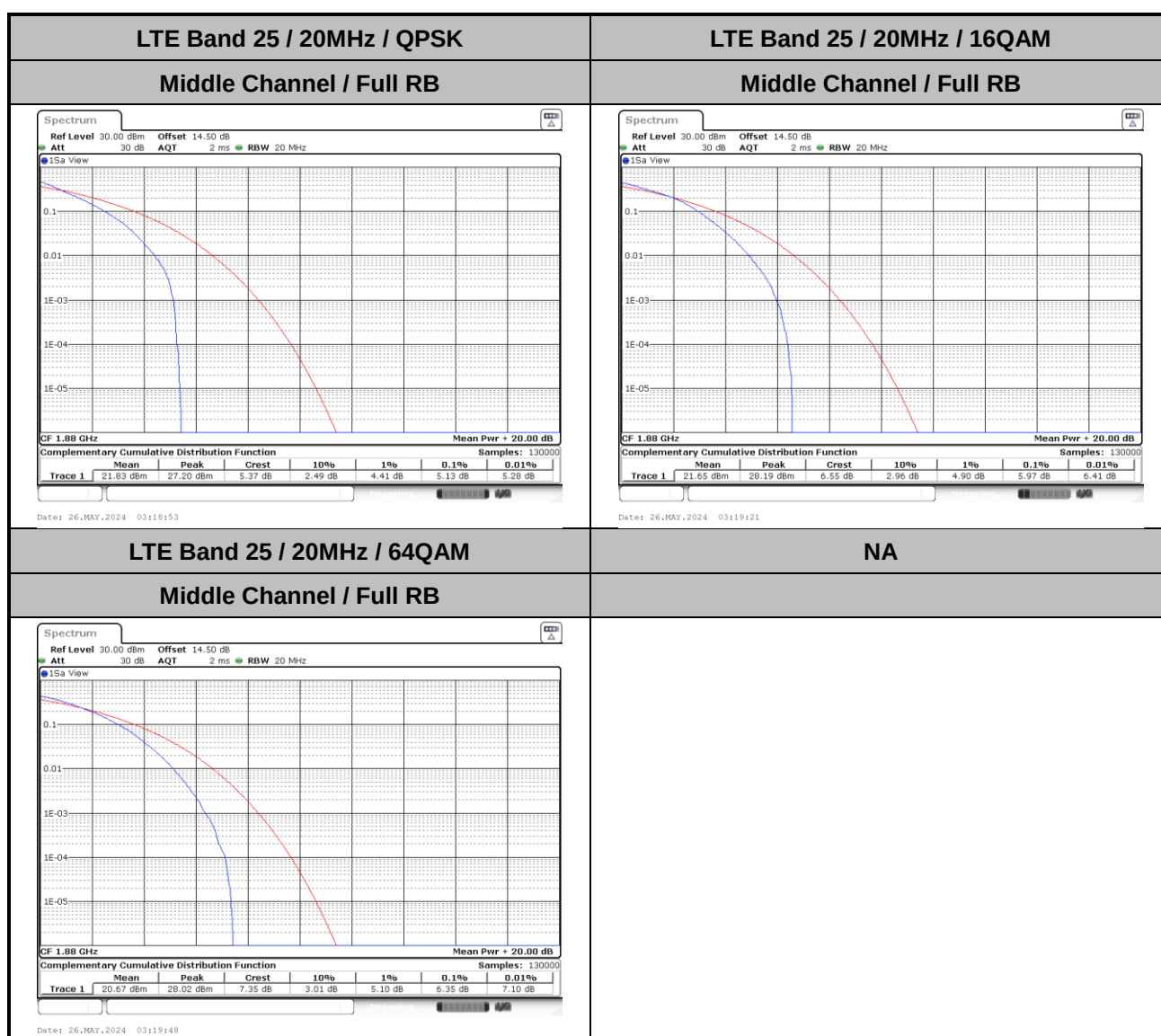
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 25

Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.13	5.97	6.35	PASS



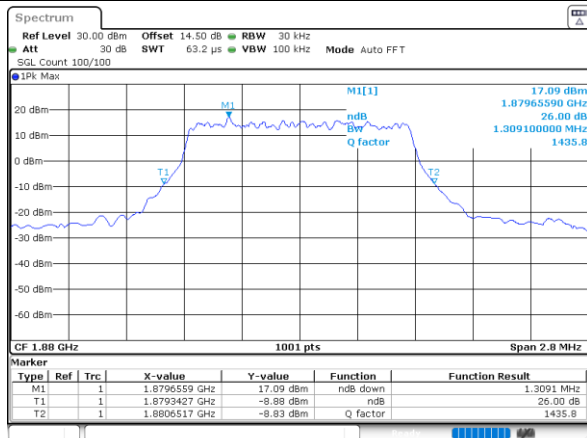


26dB Bandwidth

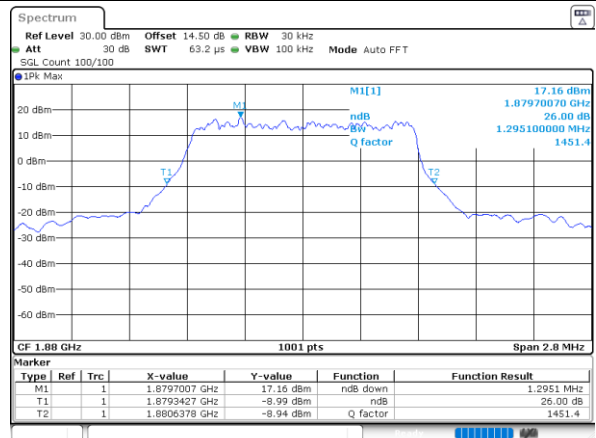
Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.31	1.30	3.06	3.13	4.94	4.92	9.81	10.01	14.75	14.48	19.14	19.14

LTE Band 25

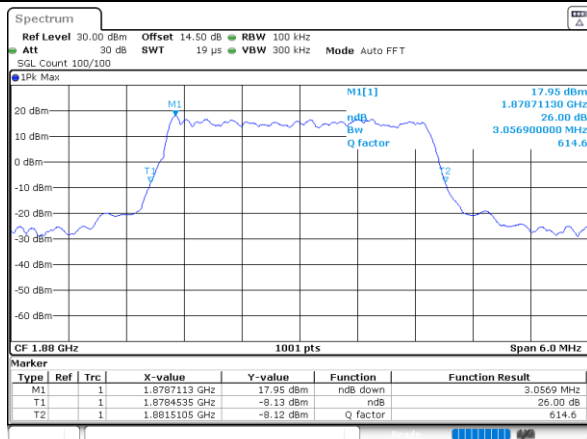
Middle Channel / 1.4MHz / QPSK



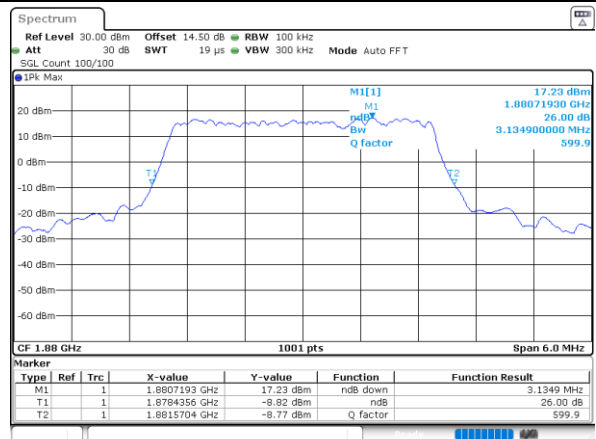
Middle Channel / 1.4MHz / 16QAM



Middle Channel / 3MHz / QPSK

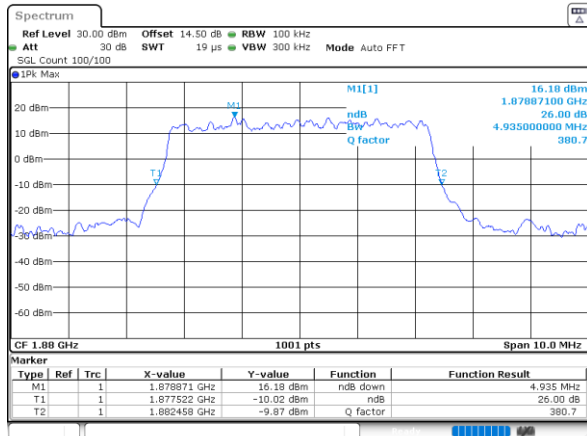


Middle Channel / 3MHz / 16QAM



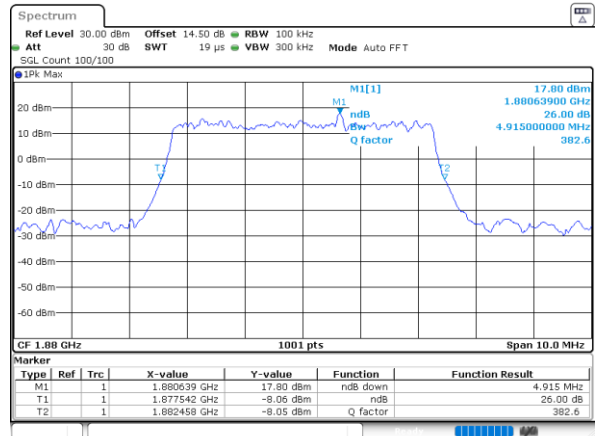


Middle Channel / 5MHz / QPSK



Date: 26.MAY.2024 02:10:30

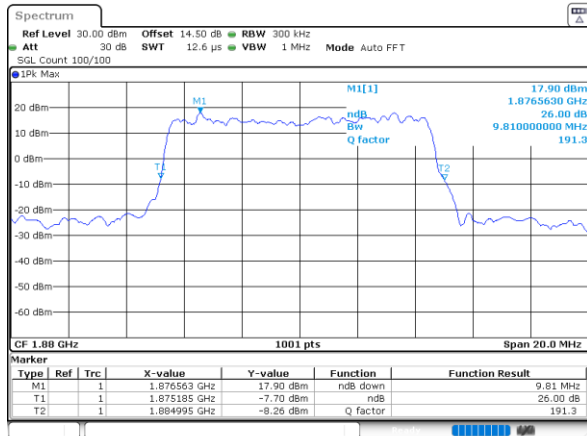
Middle Channel / 5MHz / 16QAM



Date: 26.MAY.2024 02:11:10

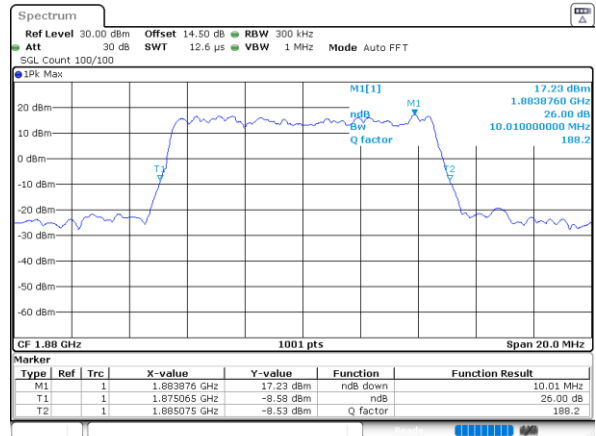
LTE Band 25

Middle Channel / 10MHz / QPSK



Date: 26.MAY.2024 02:12:55

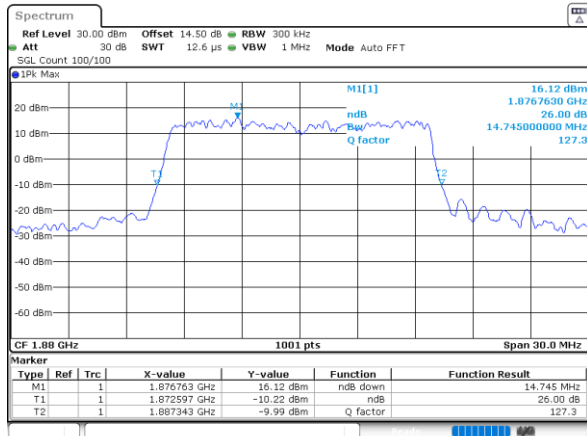
Middle Channel / 10MHz / 16QAM



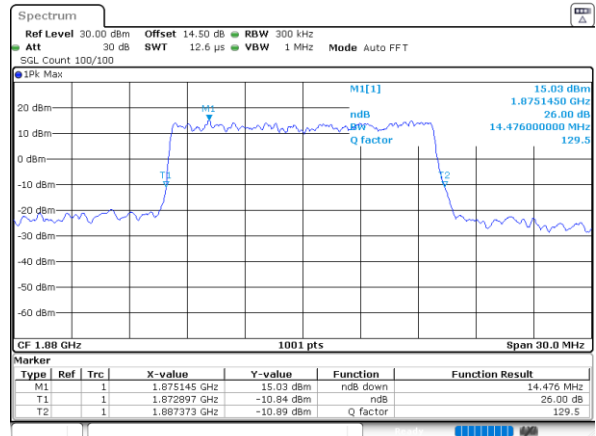
Date: 26.MAY.2024 02:13:16



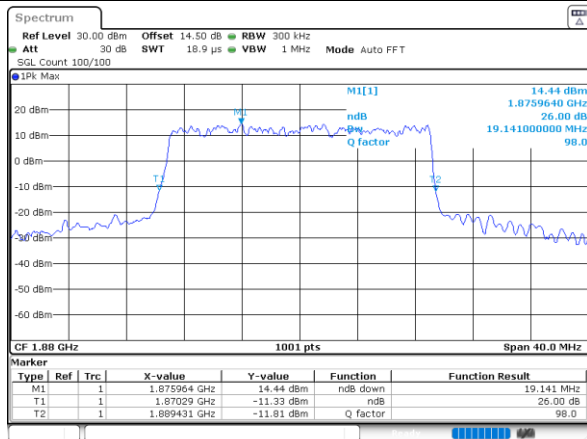
Middle Channel / 15MHz / QPSK



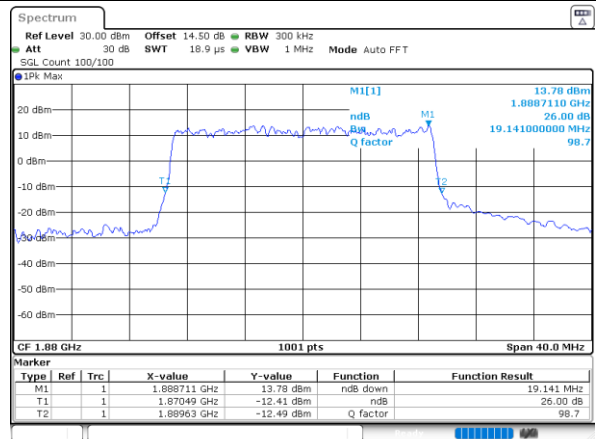
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



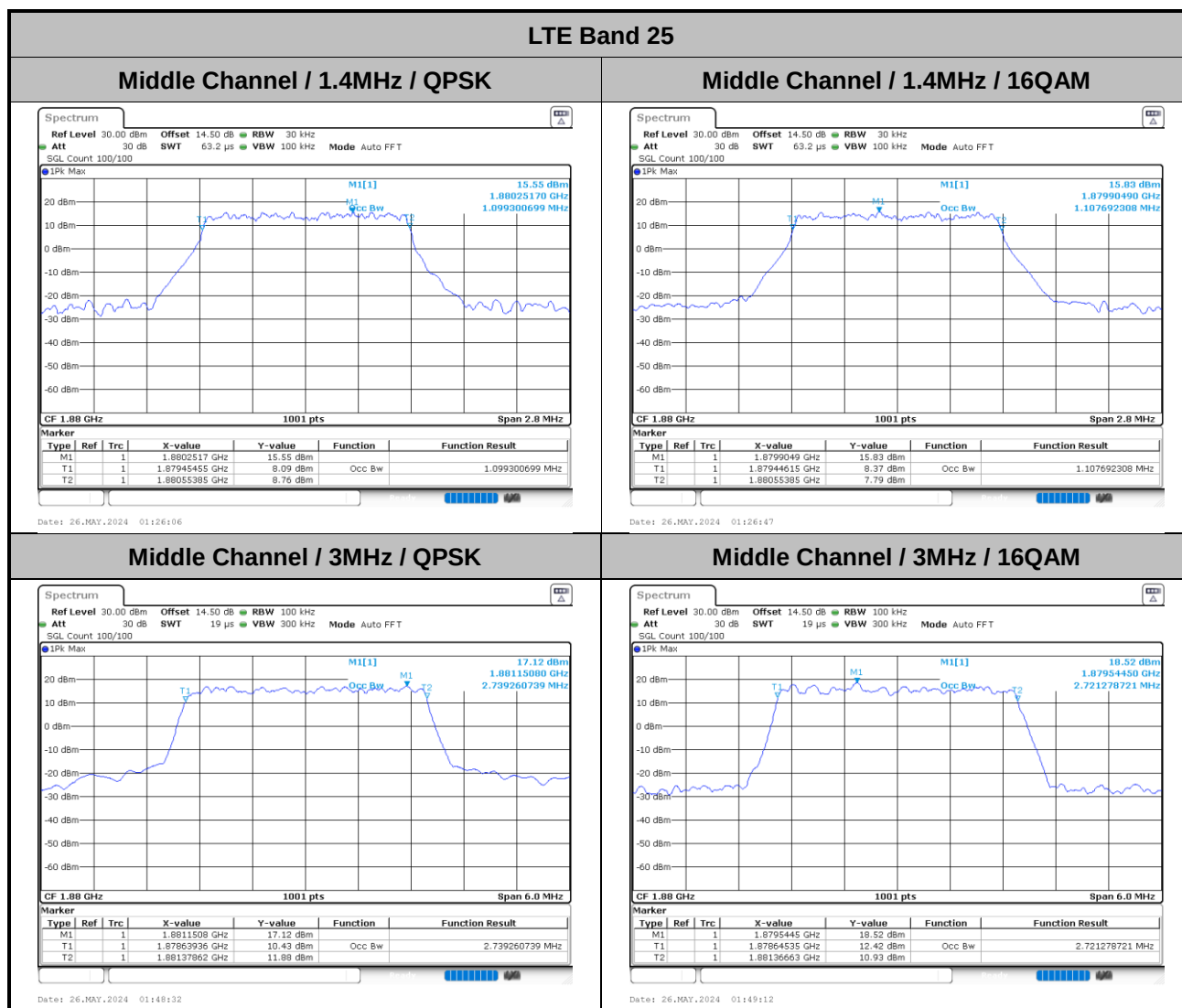
Middle Channel / 20MHz / 16QAM





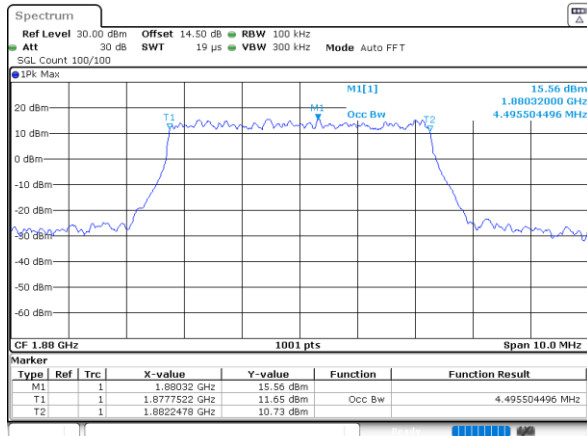
Occupied Bandwidth

Mode	LTE Band 25 : 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	1.10	1.11	2.74	2.72	4.50	4.51	9.05	9.03	13.43	13.49	17.86	17.86

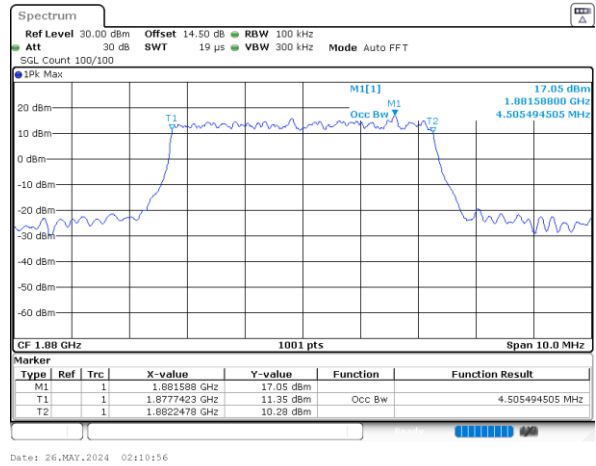




Middle Channel / 5MHz / QPSK

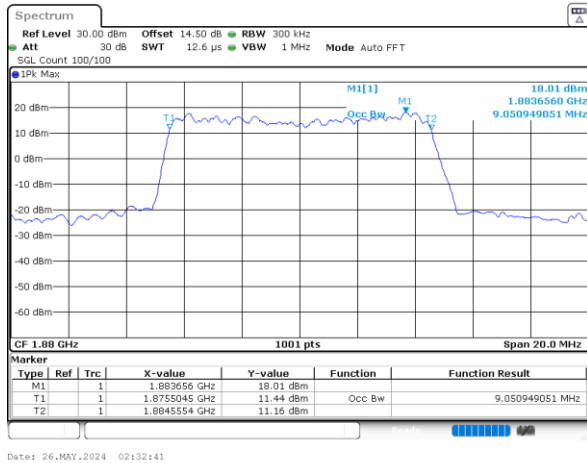


Middle Channel / 5MHz / 16QAM

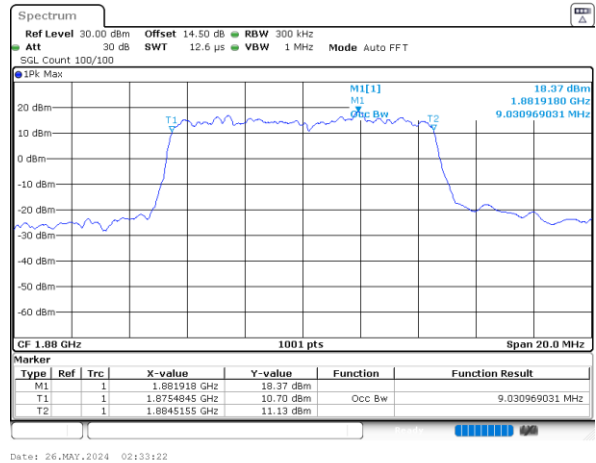


LTE Band 25

Middle Channel / 10MHz / QPSK

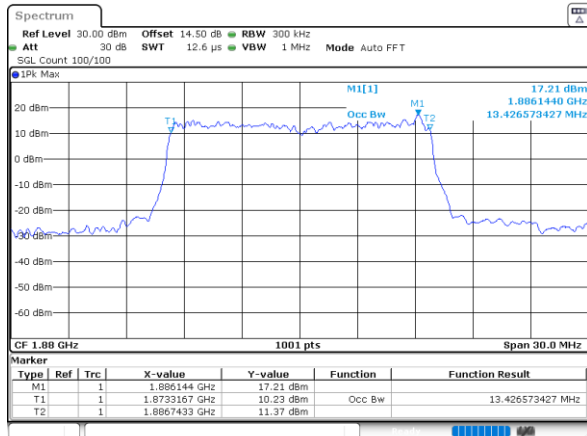


Middle Channel / 10MHz / 16QAM



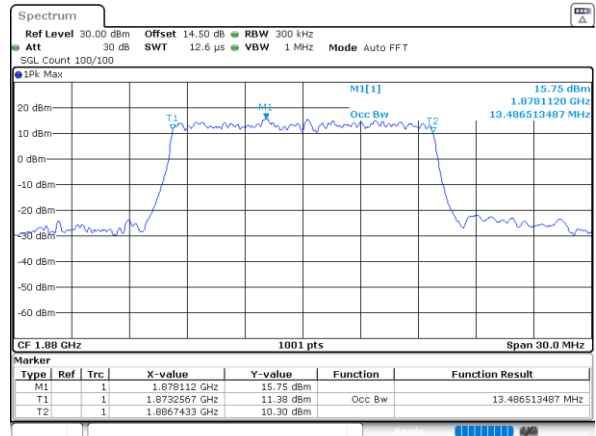


Middle Channel / 15MHz / QPSK



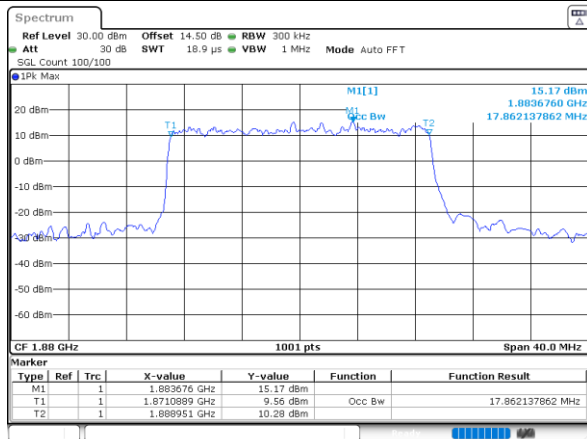
Date: 26.MAY.2024 02:55:06

Middle Channel / 15MHz / 16QAM



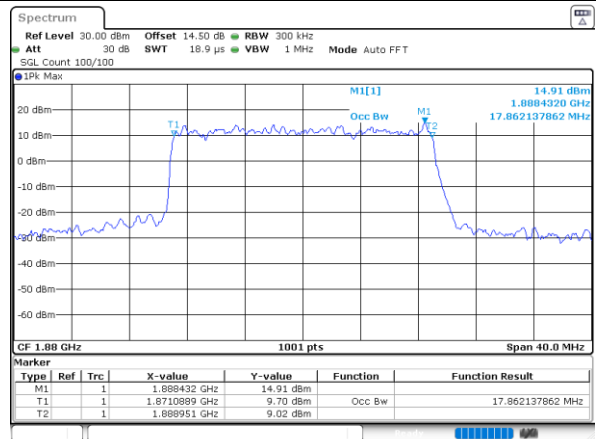
Date: 26.MAY.2024 02:55:47

Middle Channel / 20MHz / QPSK



Date: 26.MAY.2024 03:17:32

Middle Channel / 20MHz / 16QAM



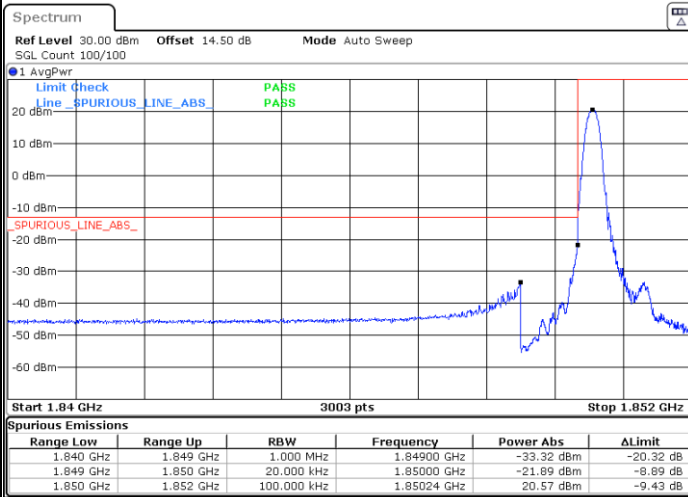
Date: 26.MAY.2024 03:18:12



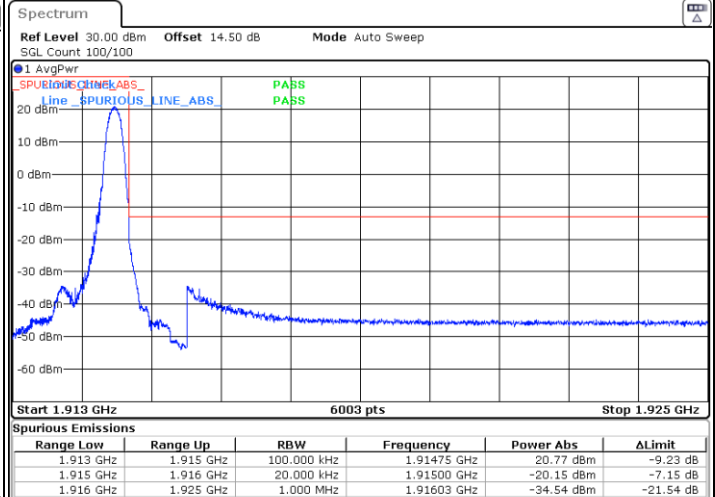
Conducted Band Edge

LTE Band 25 / 1.4MHz / QPSK

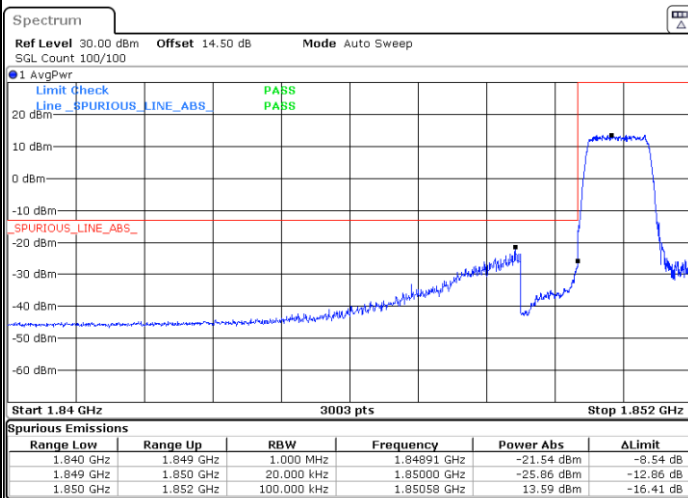
Lowest Band Edge / 1RB



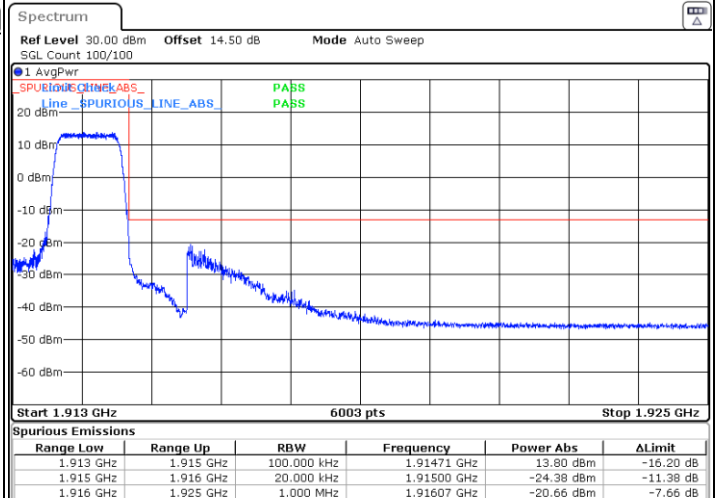
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



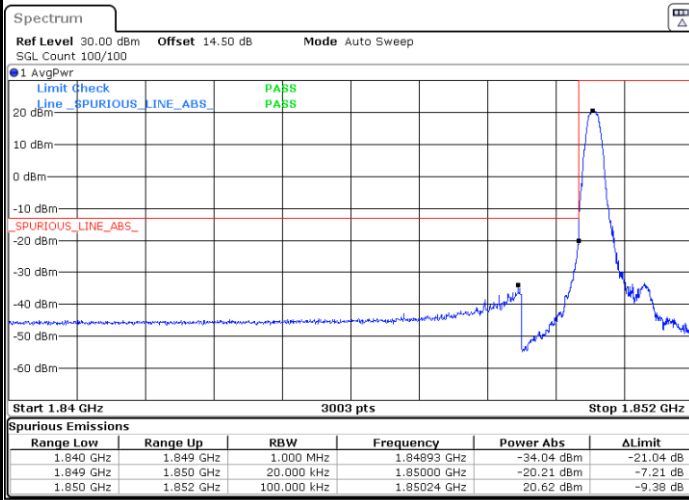
Highest Band Edge / Full RB



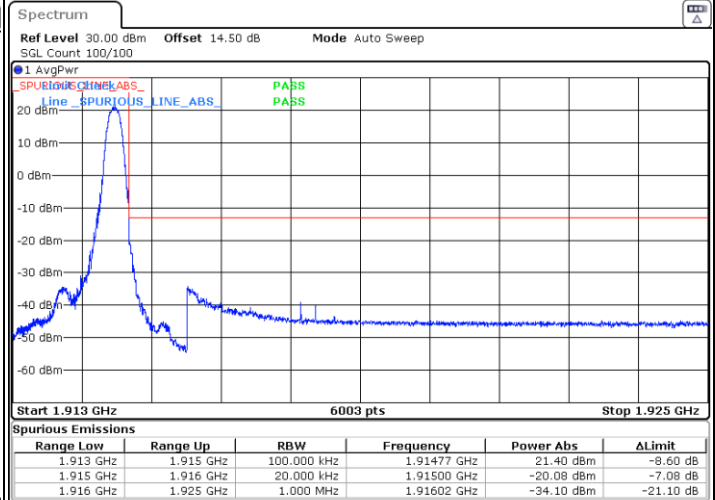


LTE Band 25 / 1.4MHz / 16QAM

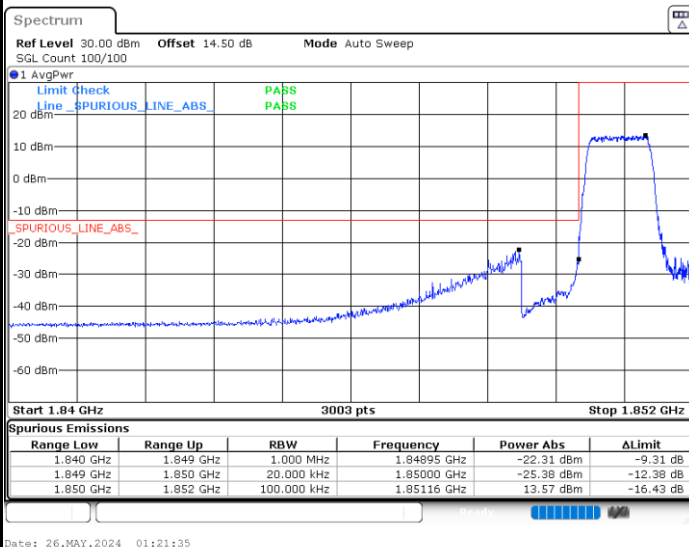
Lowest Band Edge / 1 RB



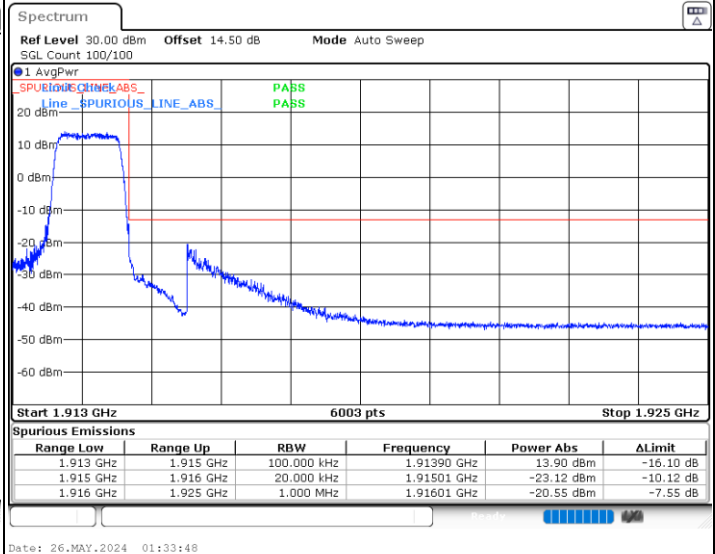
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



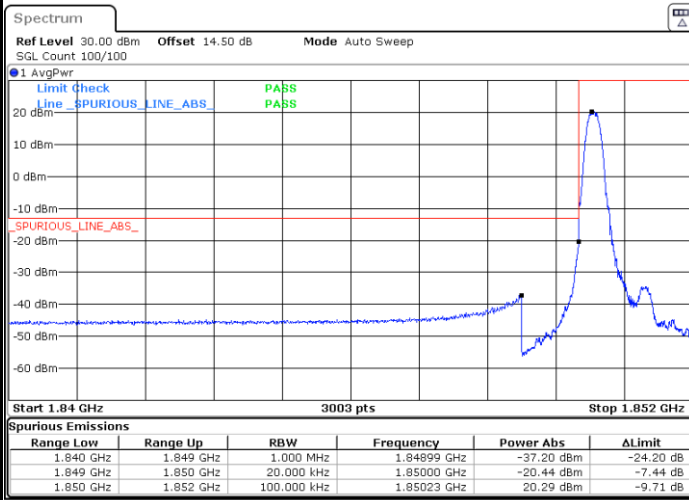
Highest Band Edge / Full RB



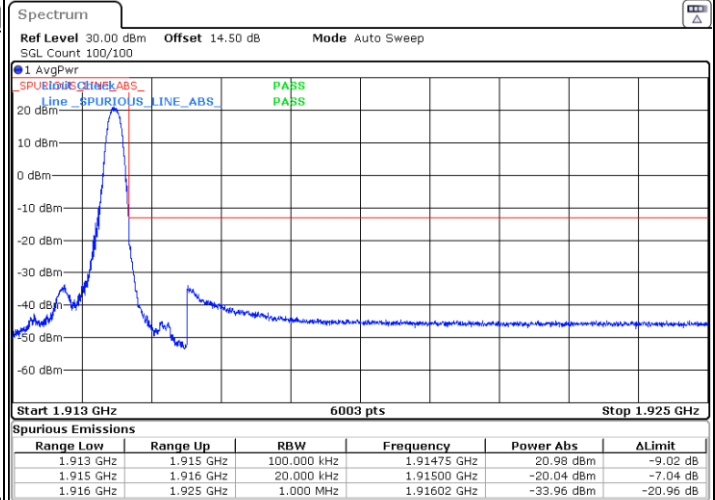


LTE Band 25 / 1.4MHz / 64QAM

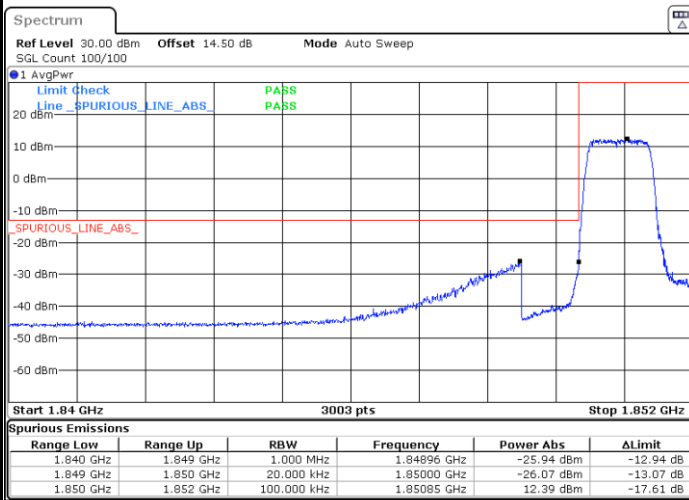
Lowest Band Edge / 1 RB



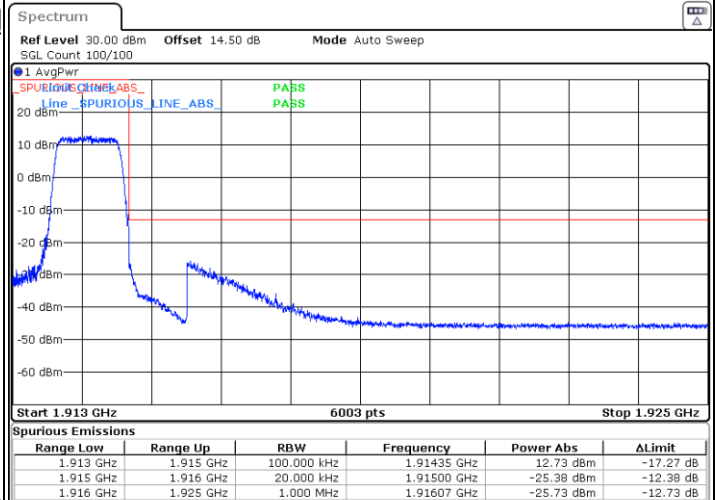
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



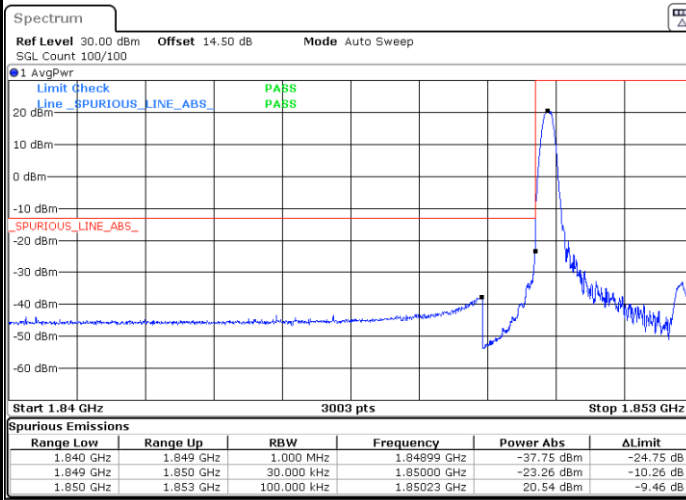
Highest Band Edge / Full RB



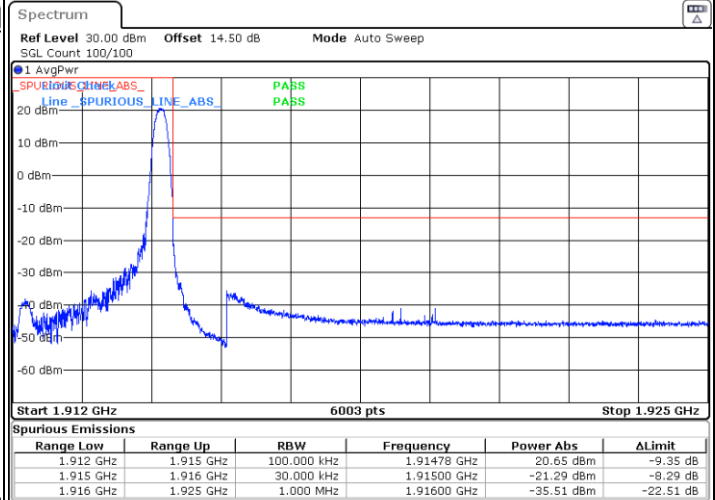


LTE Band 25 / 3MHz / QPSK

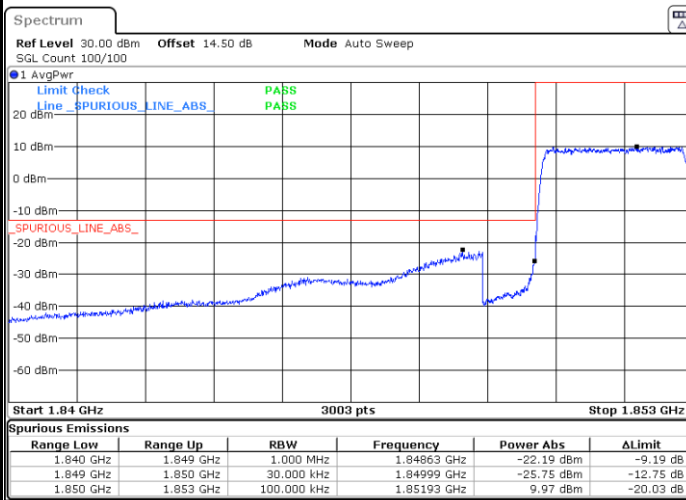
Lowest Band Edge / 1RB



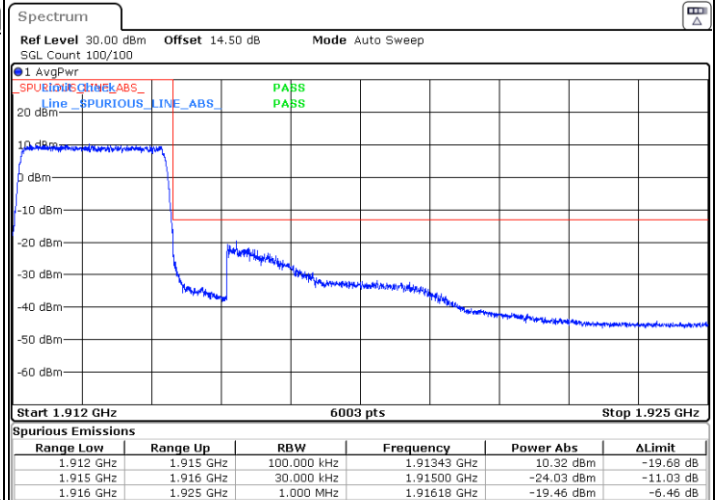
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



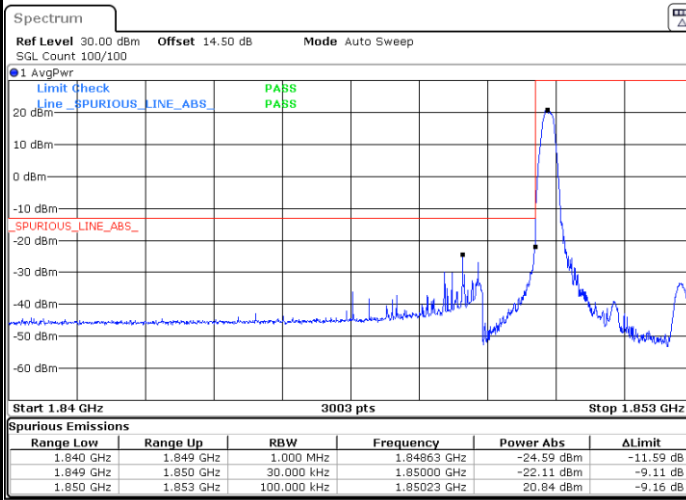
Highest Band Edge / Full RB



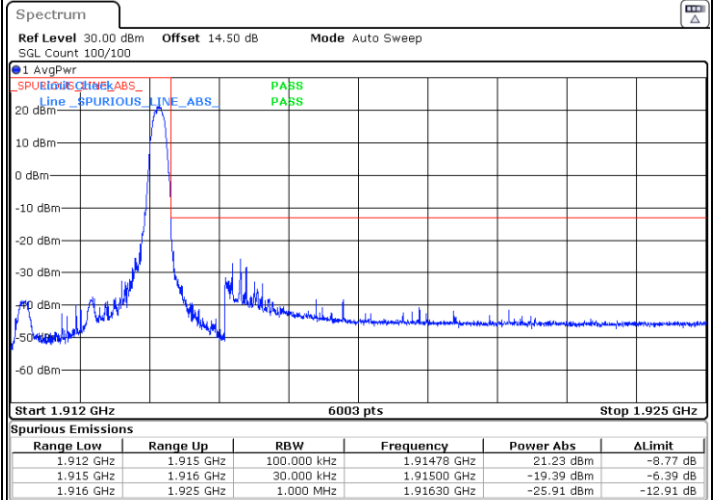


LTE Band 25 / 3MHz / 16QAM

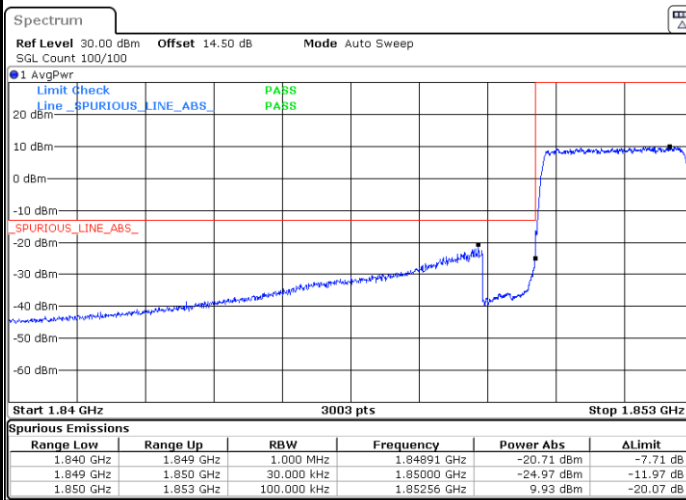
Lowest Band Edge / 1 RB



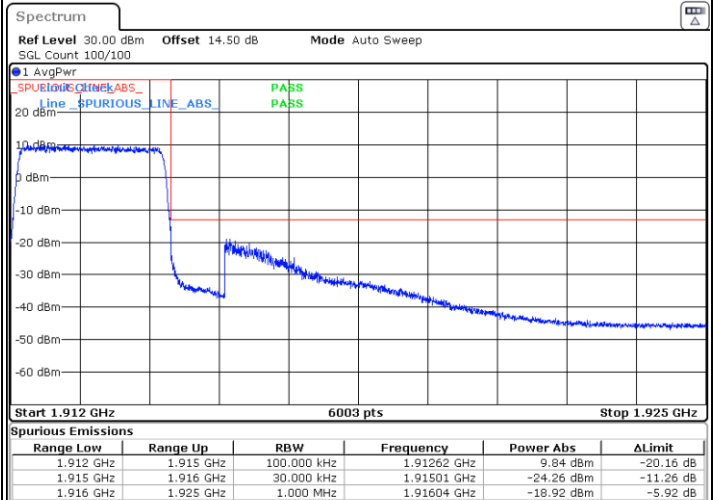
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



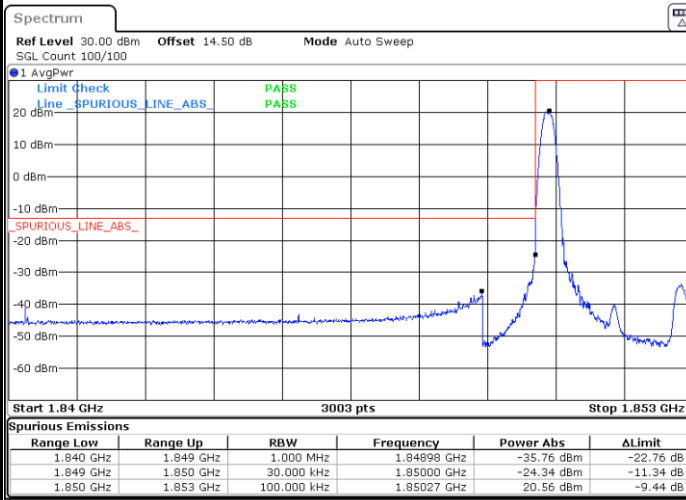
Highest Band Edge / Full RB



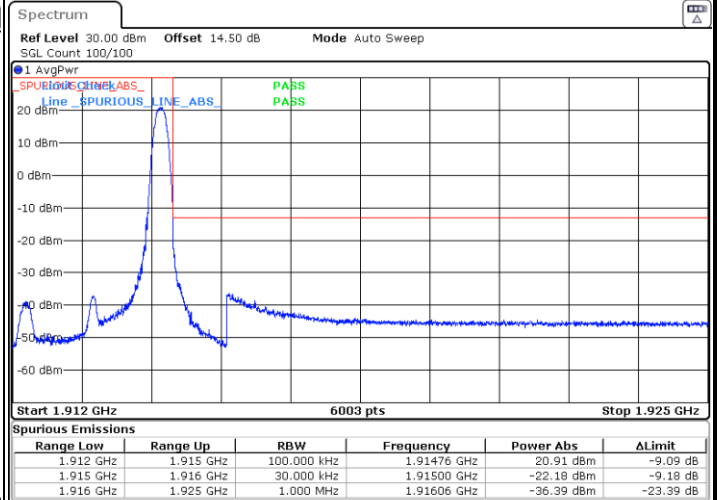


LTE Band 25 / 3MHz / 64QAM

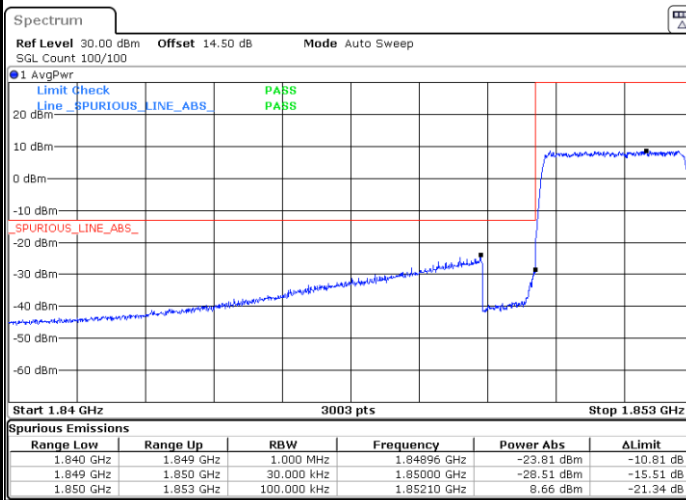
Lowest Band Edge / 1 RB



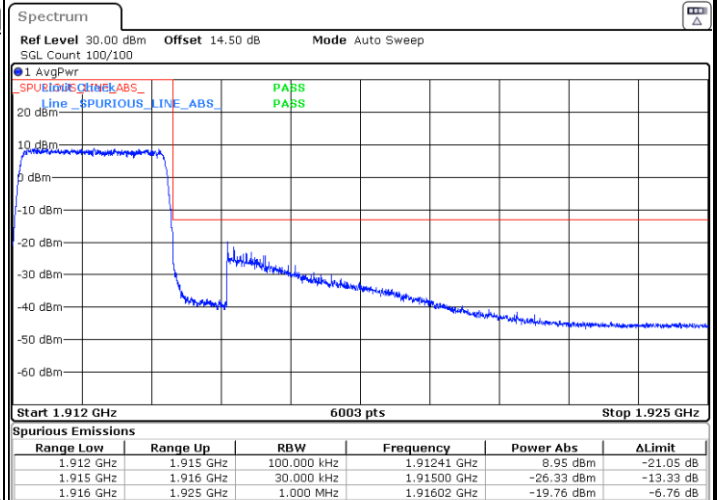
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



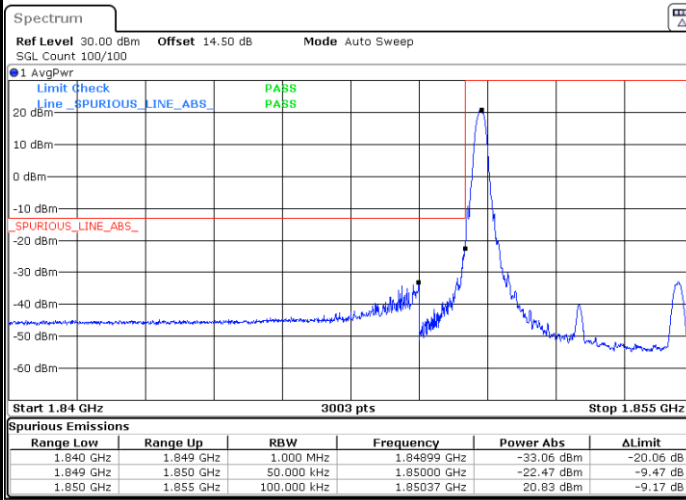
Highest Band Edge / Full RB



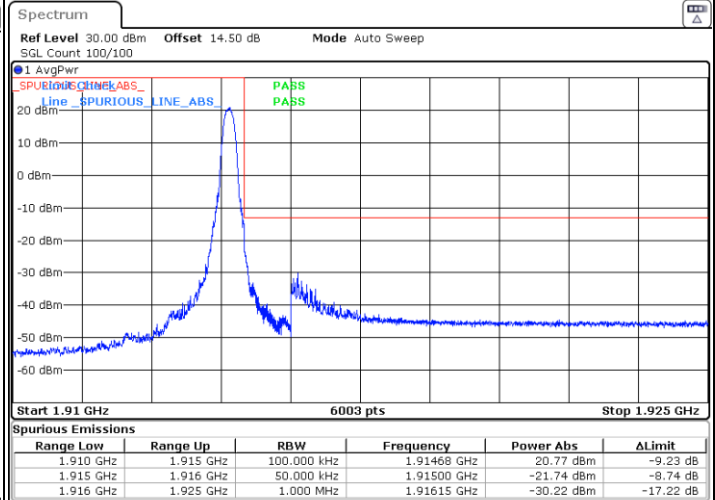


LTE Band 25 / 5MHz / QPSK

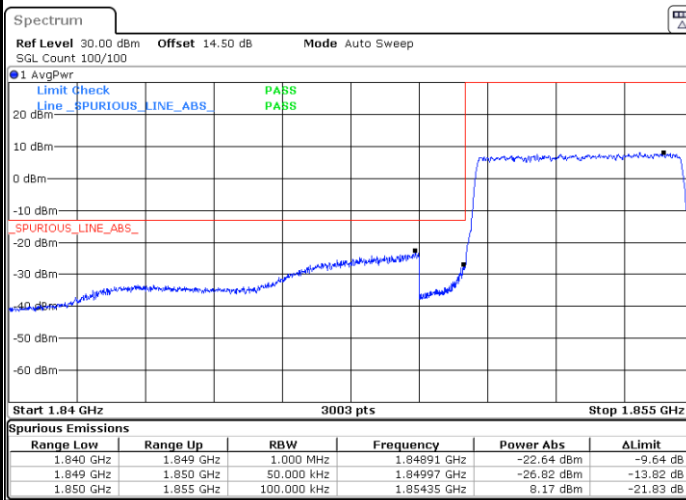
Lowest Band Edge / 1RB



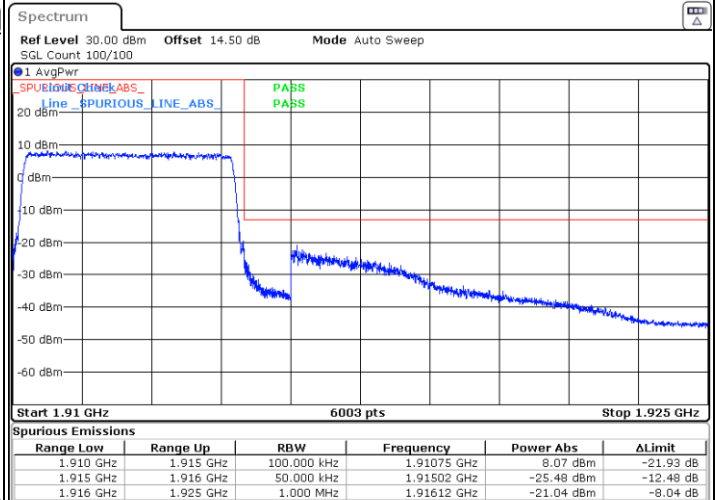
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



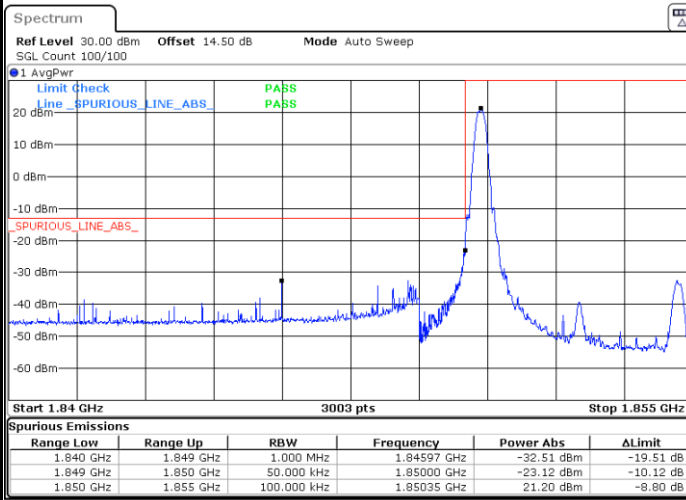
Highest Band Edge / Full RB



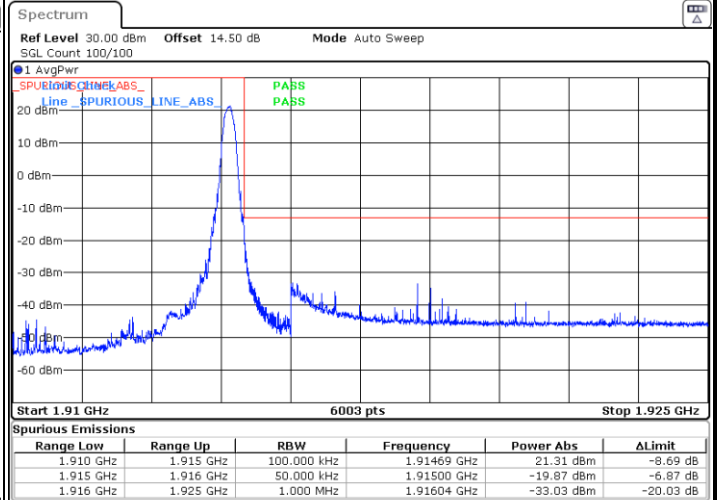


LTE Band 25 / 5MHz / 16QAM

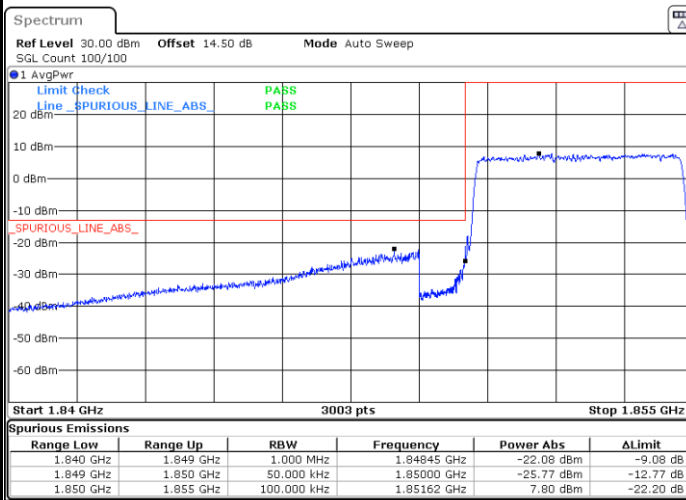
Lowest Band Edge / 1 RB



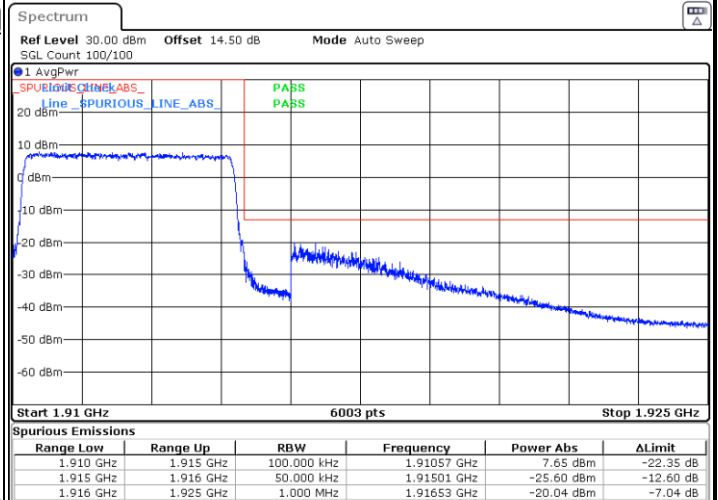
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



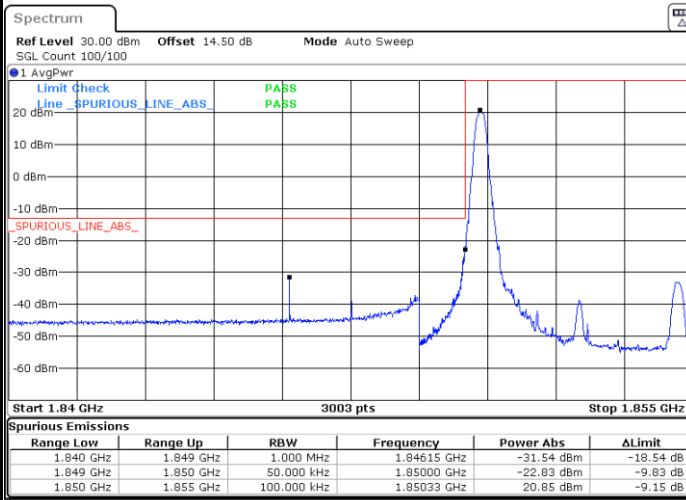
Highest Band Edge / Full RB





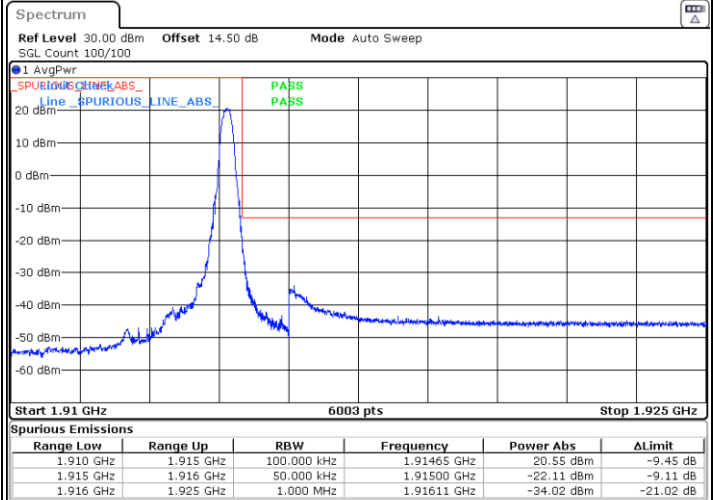
LTE Band 25 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



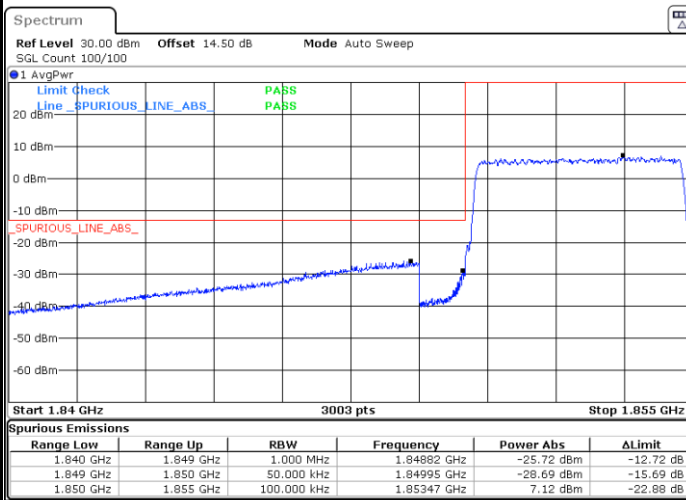
Date: 26.MAY.2024 02:03:02

Highest Band Edge / 1 RB



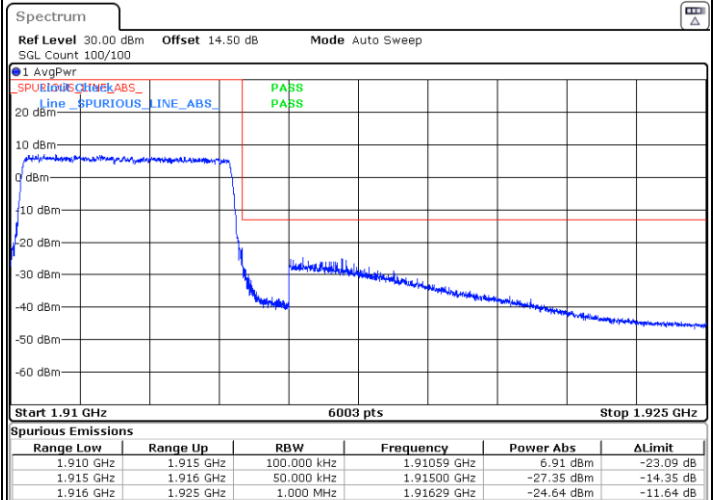
Date: 26.MAY.2024 02:15:14

Lowest Band Edge / Full RB



Date: 26.MAY.2024 02:04:24

Highest Band Edge / Full RB

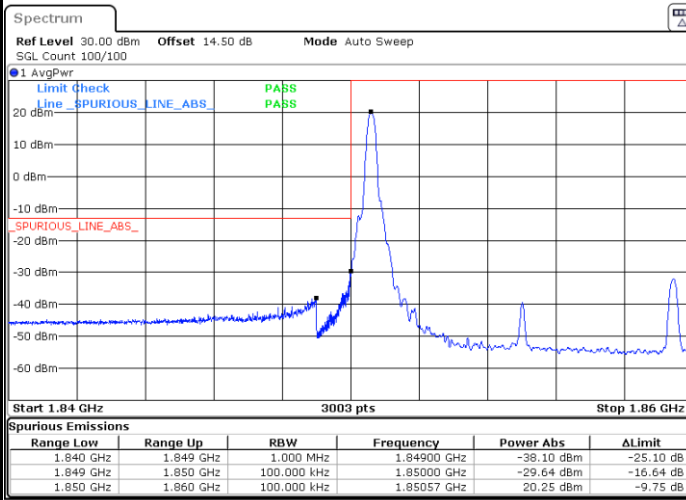


Date: 26.MAY.2024 02:16:36

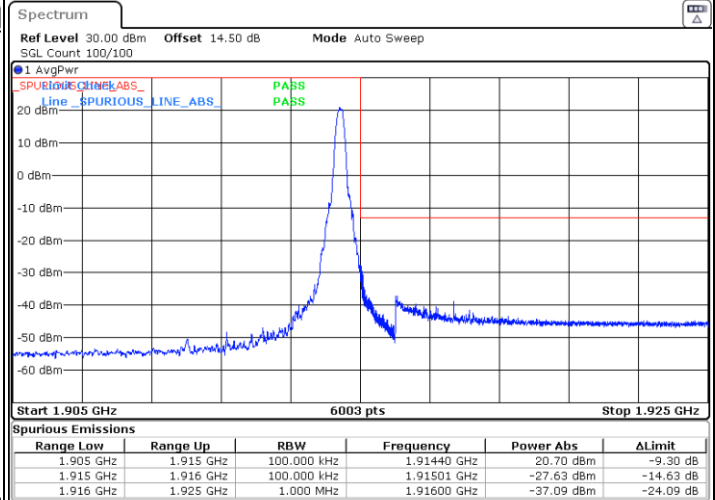


LTE Band 25 / 10MHz / QPSK

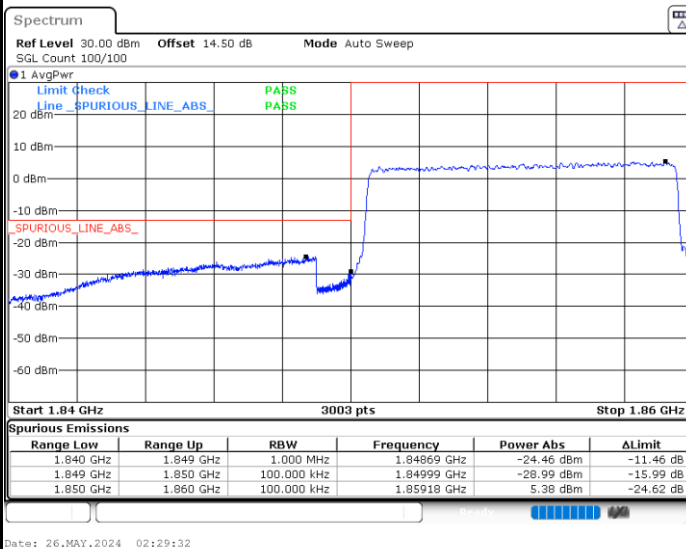
Lowest Band Edge / 1RB



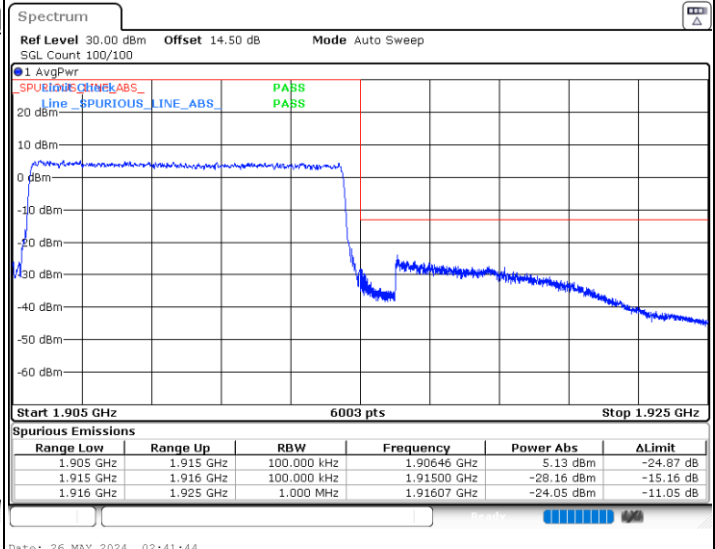
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



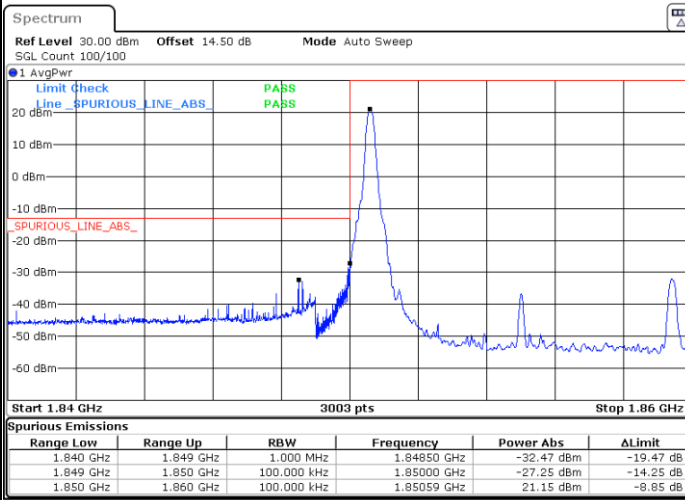
Highest Band Edge / Full RB



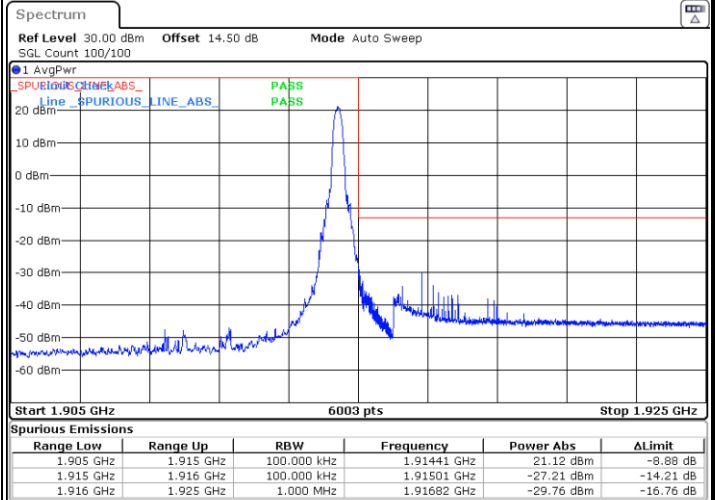


LTE Band 25 / 10MHz / 16QAM

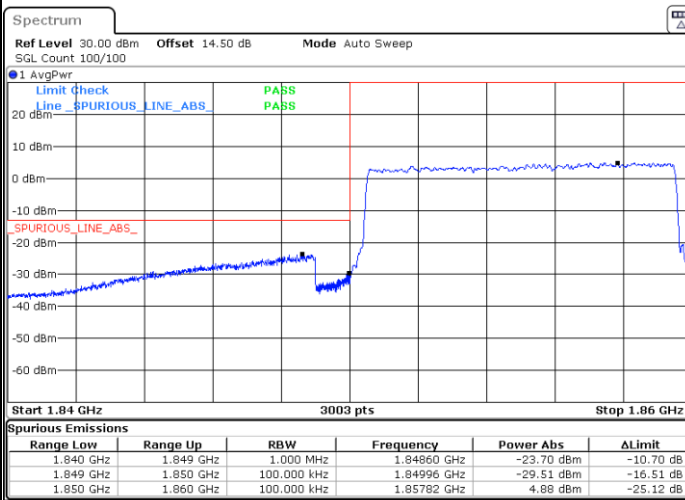
Lowest Band Edge / 1 RB



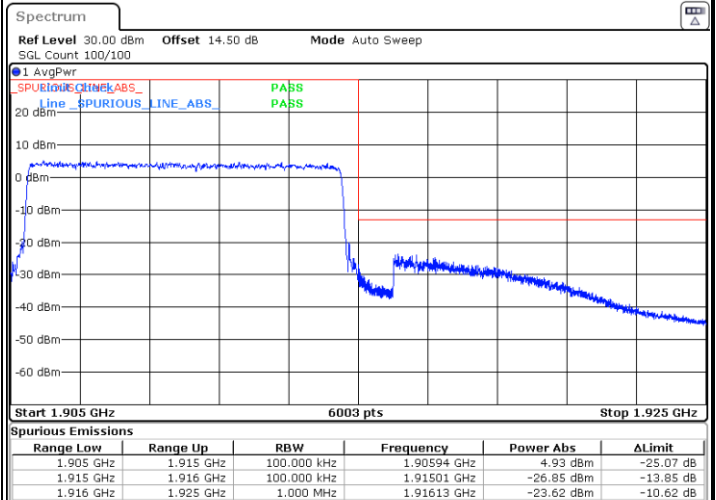
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



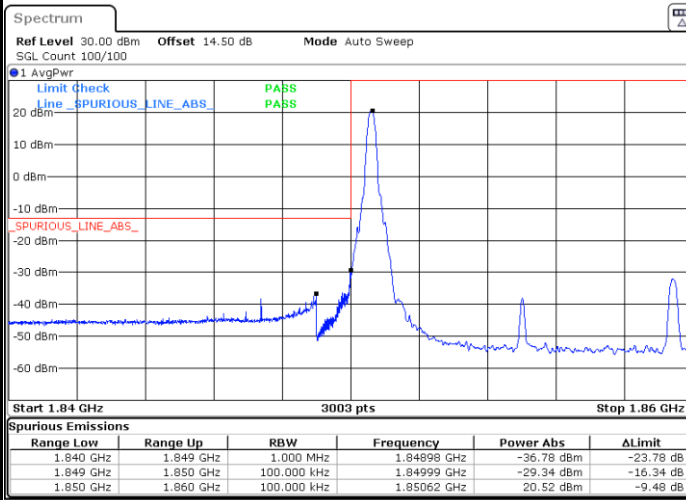
Highest Band Edge / Full RB



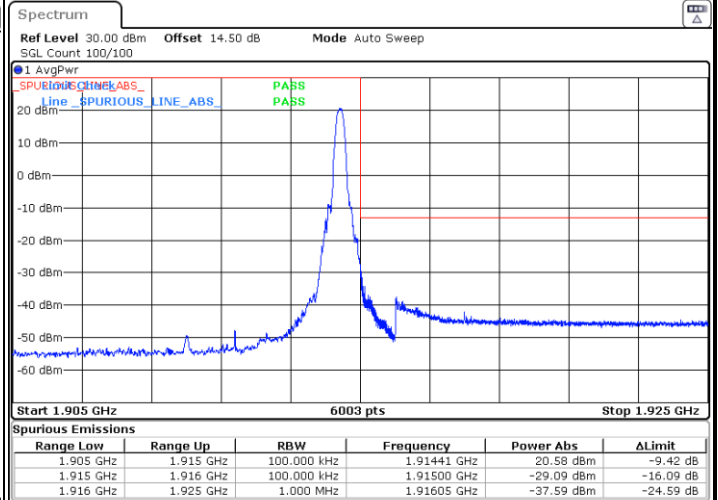


LTE Band 25 / 10MHz / 64QAM

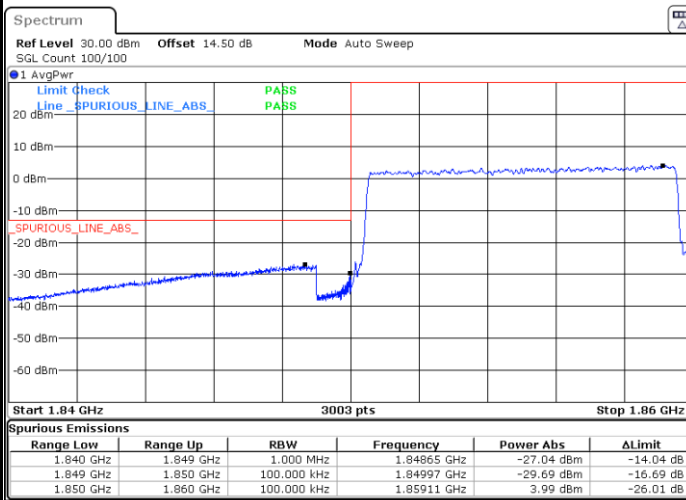
Lowest Band Edge / 1 RB



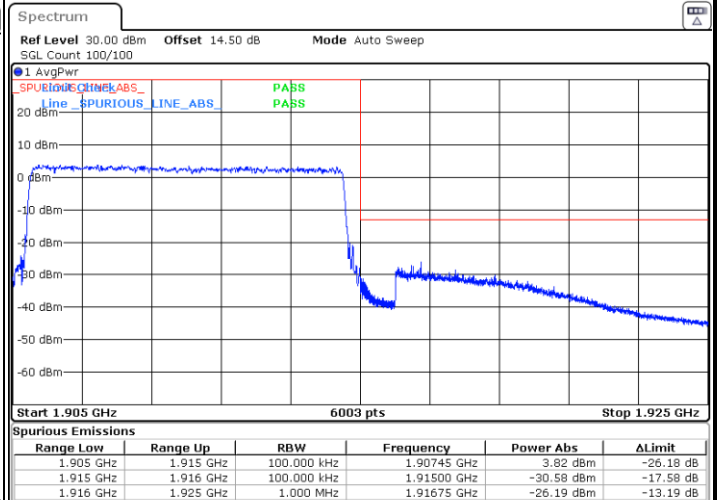
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



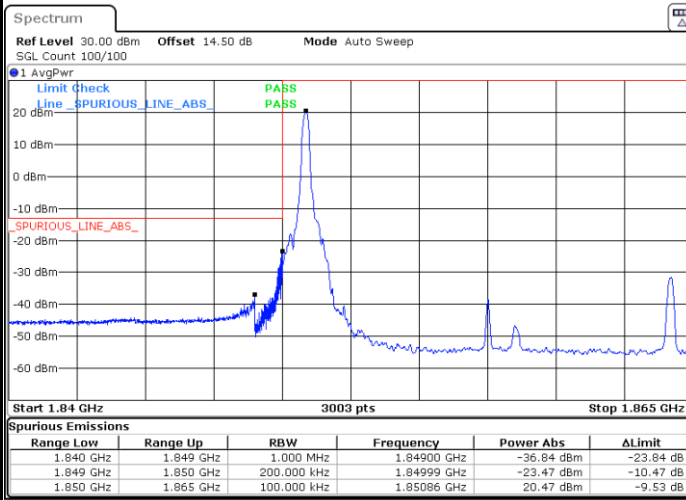
Highest Band Edge / Full RB



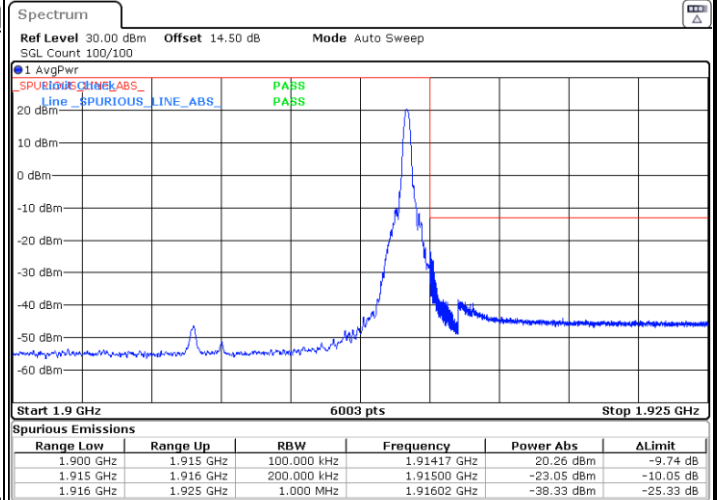


LTE Band 25 / 15MHz / QPSK

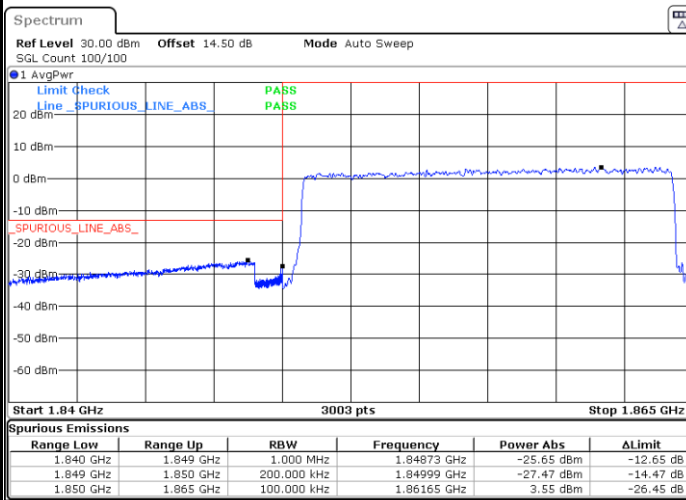
Lowest Band Edge / 1RB



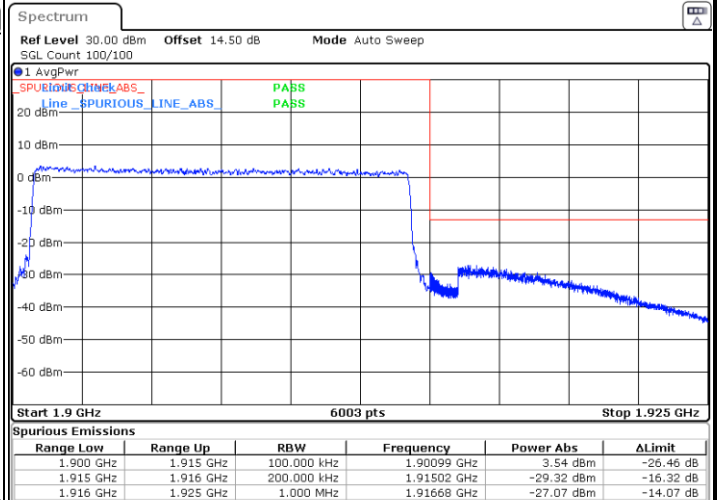
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



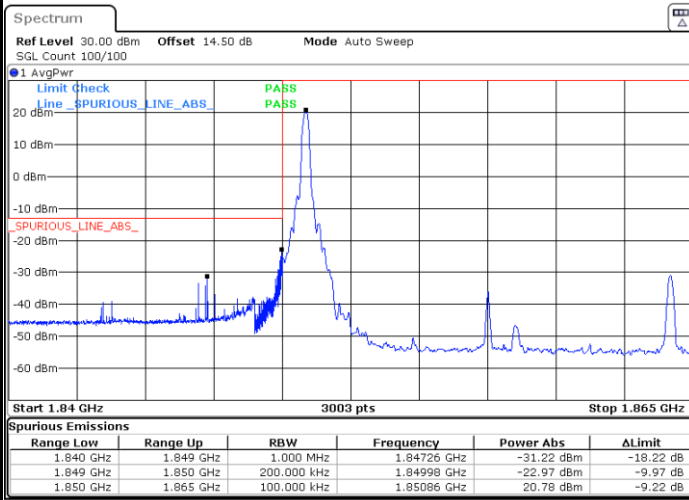
Highest Band Edge / Full RB



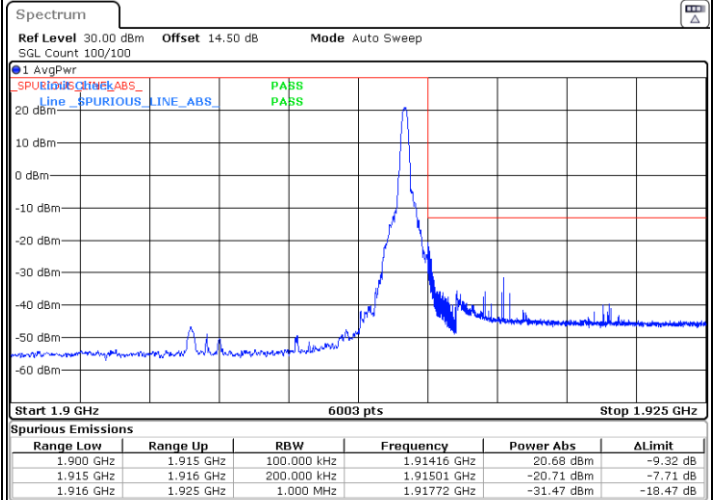


LTE Band 25 / 15MHz / 16QAM

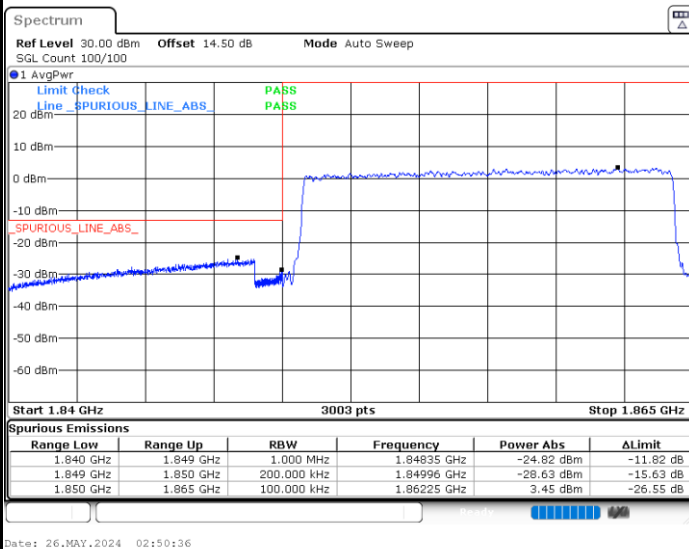
Lowest Band Edge / 1 RB



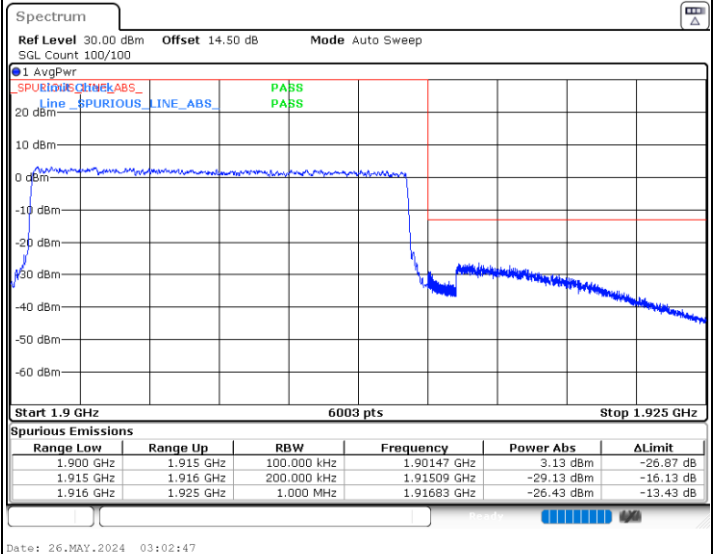
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



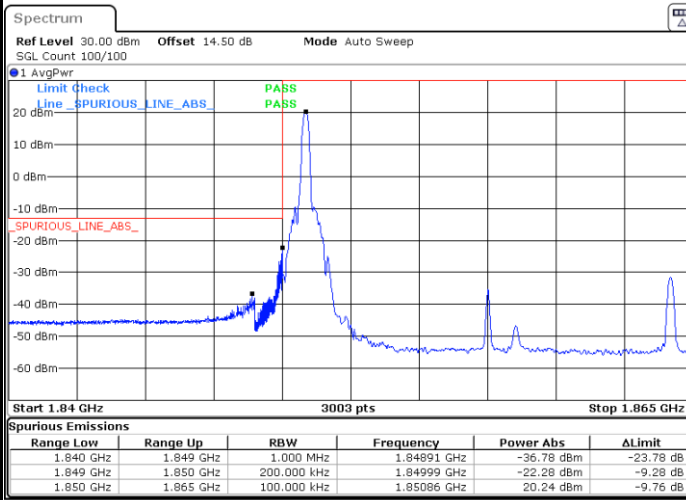
Highest Band Edge / Full RB



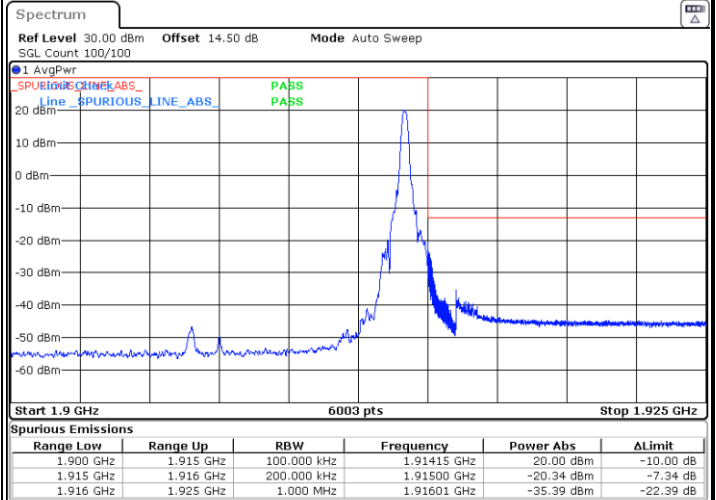


LTE Band 25 / 15MHz / 64QAM

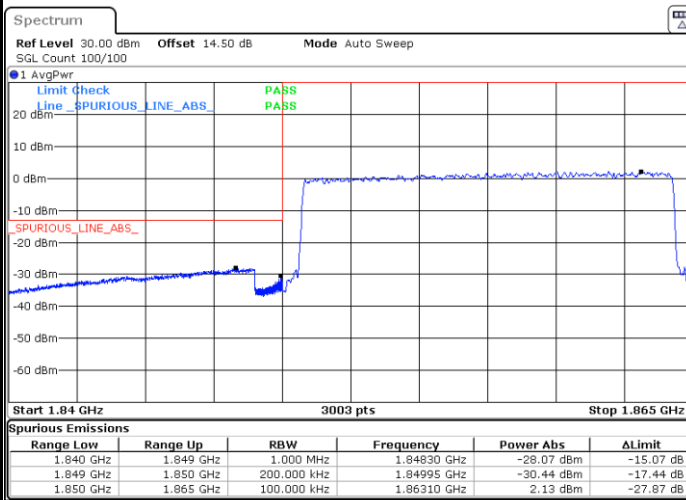
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

