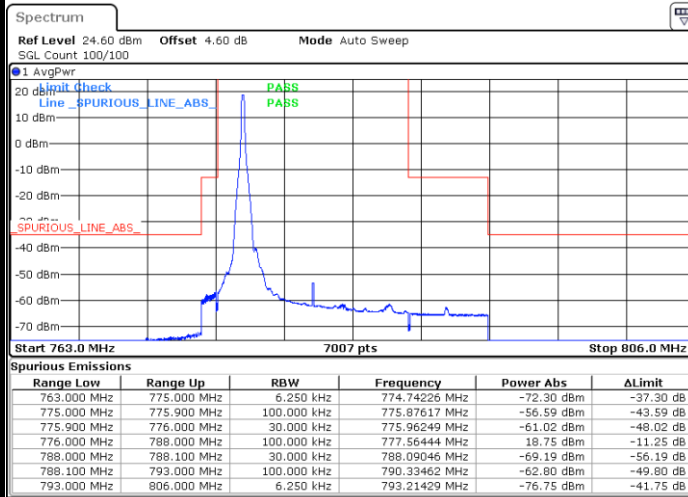




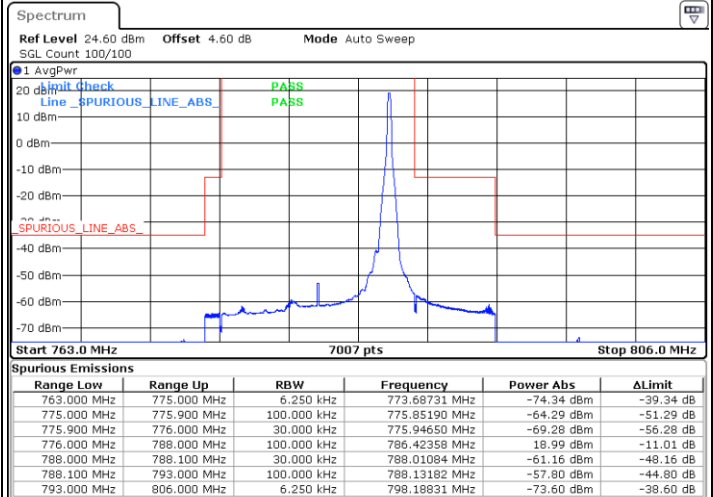
LTE Band 13 / 10MHz / 64QAM

middle Band Edge / 1 RB



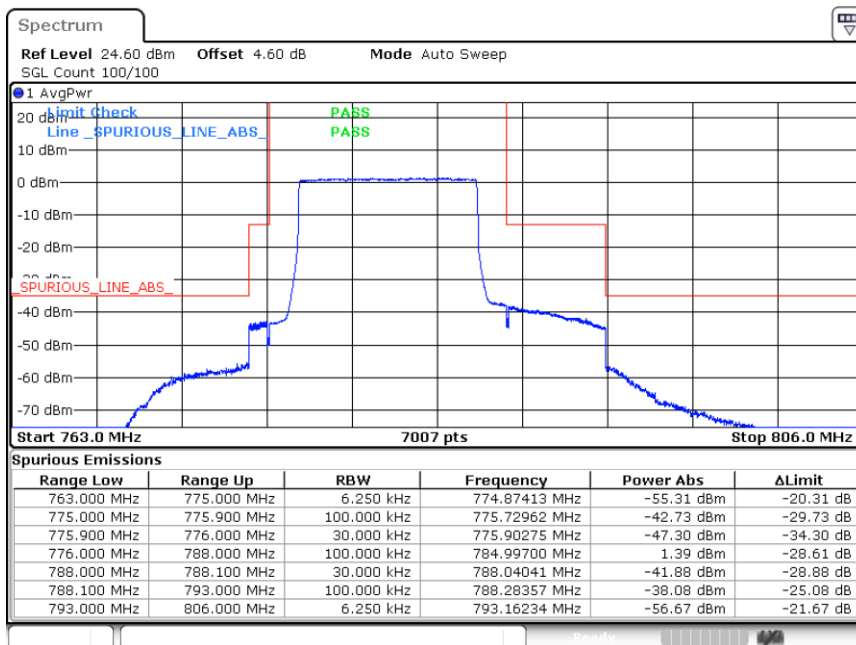
Date: 30.NOV.2021 13:27:13

middle Band Edge / 1 RB



Date: 30.NOV.2021 13:29:07

middle Band Edge / Full RB



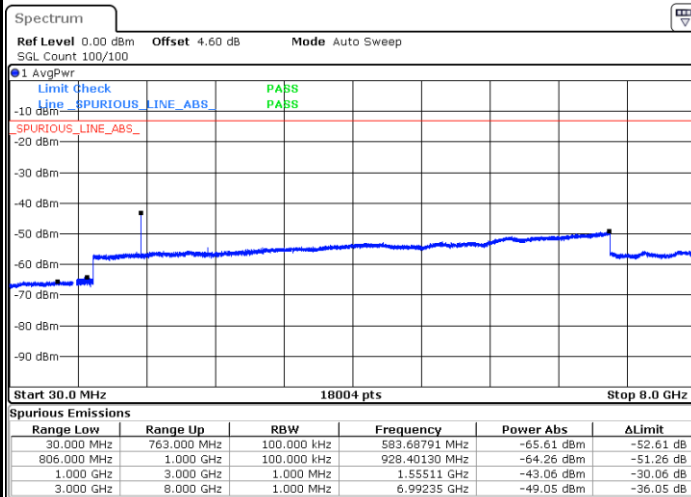
Date: 30.NOV.2021 13:45:18



Conducted Spurious Emission

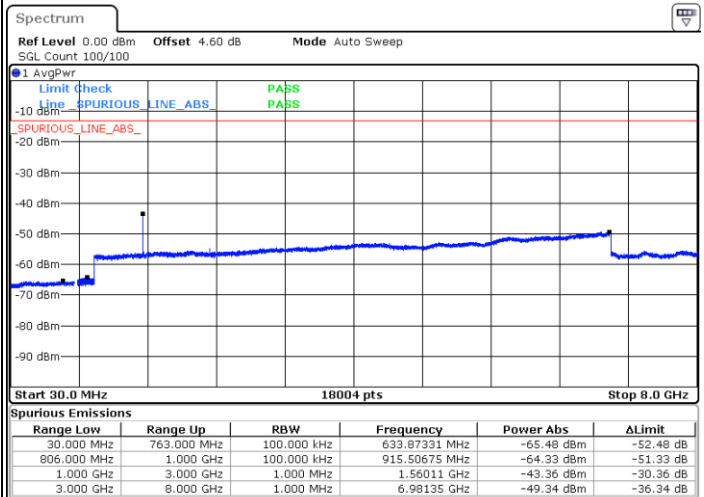
LTE Band 13 / 5MHz

Lowest Channel / QPSK



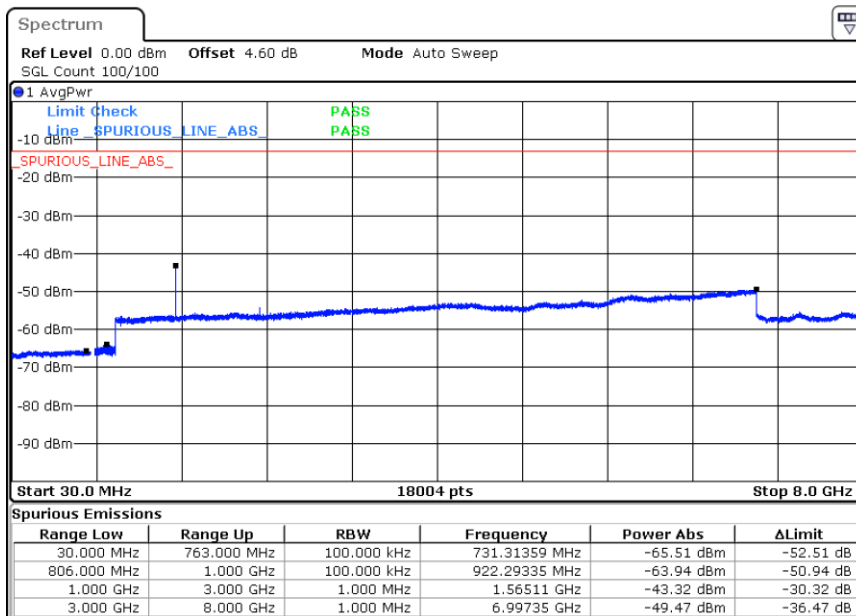
Date: 30.NOV.2021 12:47:32

Middle Channel / QPSK



Date: 30.NOV.2021 13:01:56

Highest Channel / QPSK

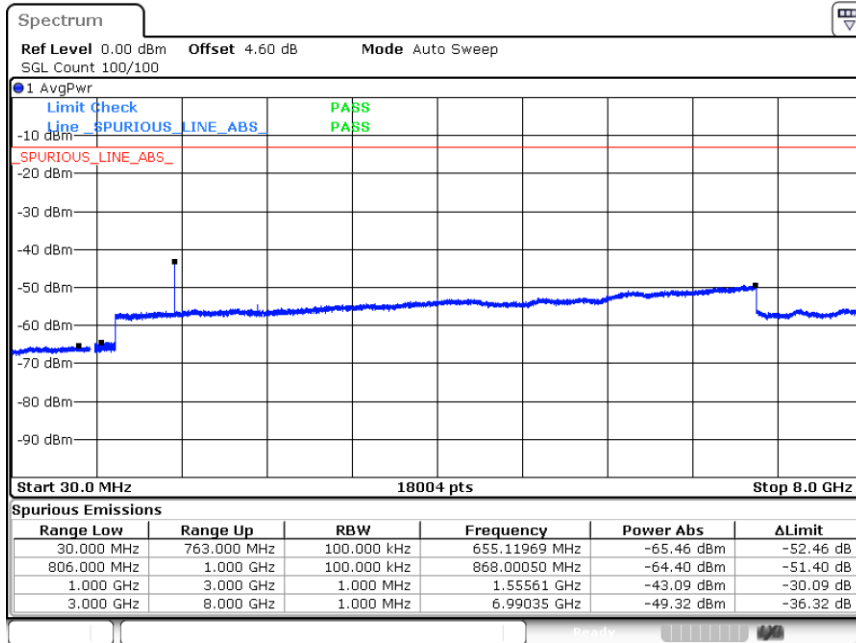


Date: 30.NOV.2021 13:04:53



LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 30.NOV.2021 13:21:40

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	0.0003	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0000	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



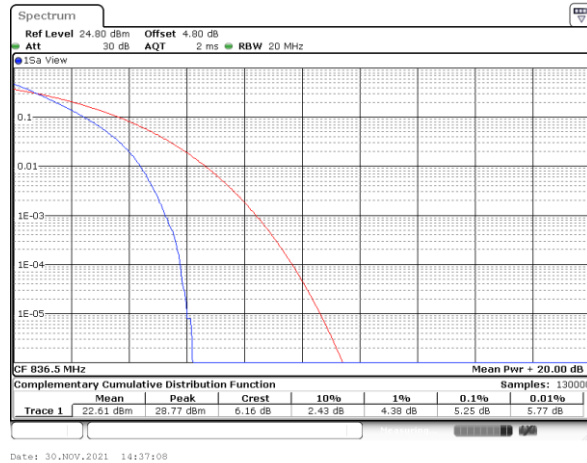
LTE Band 26

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	5.25	6.09	6.64	PASS

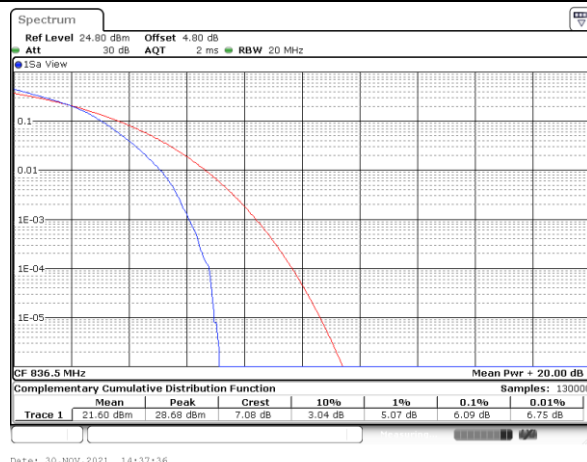
LTE Band 26 / 15MHz

Middle Channel / Full RB/ QPSK



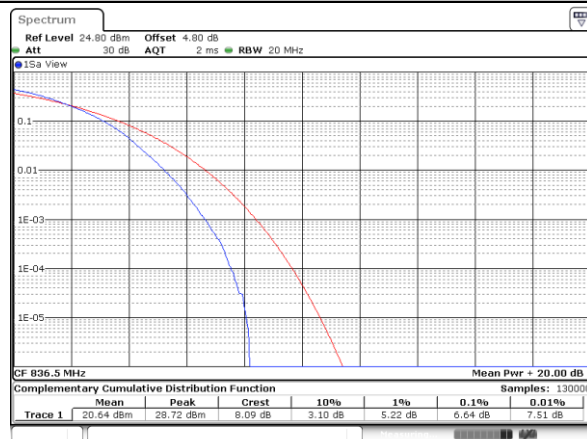
Date: 30.NOV.2021 14:37:08

Middle Channel / Full RB/ 16QAM



Date: 30.NOV.2021 14:37:36

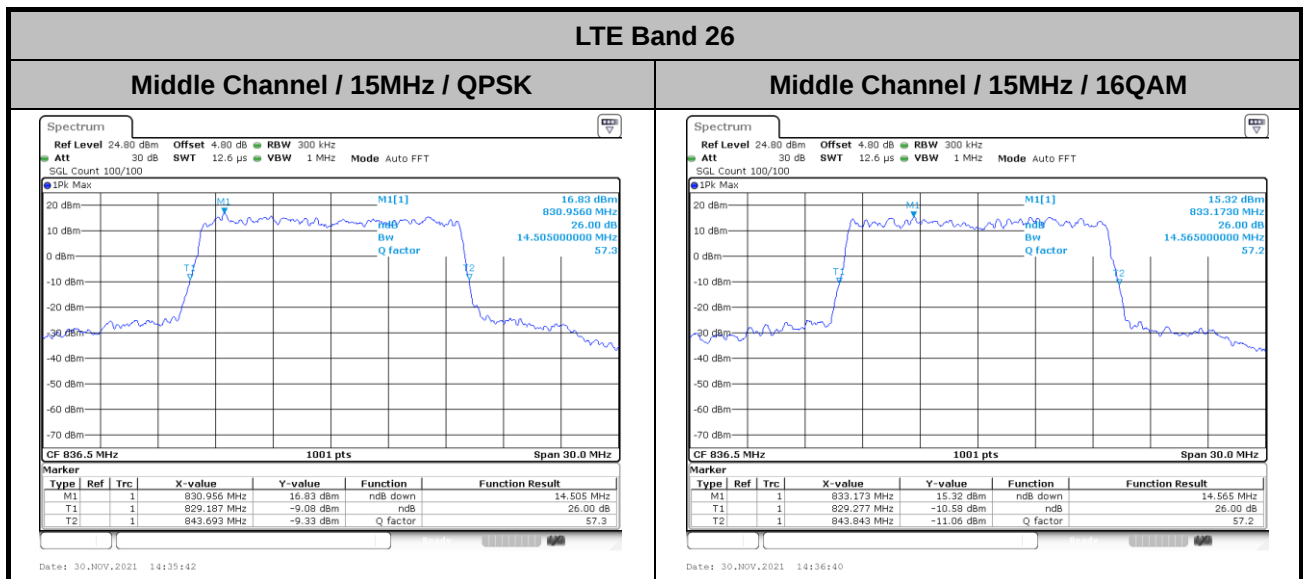
Middle Channel / Full RB/ 64QAM



Date: 30.NOV.2021 14:38:04

**26dB Bandwidth**

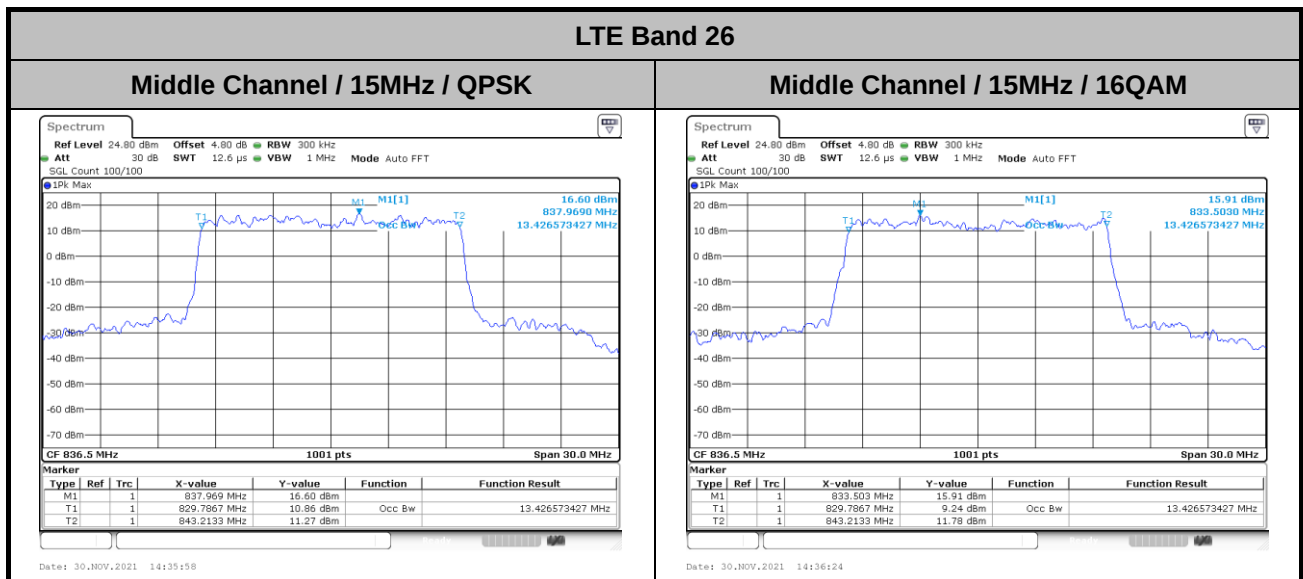
Mode	LTE Band 26 : 26dB BW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.51	14.57





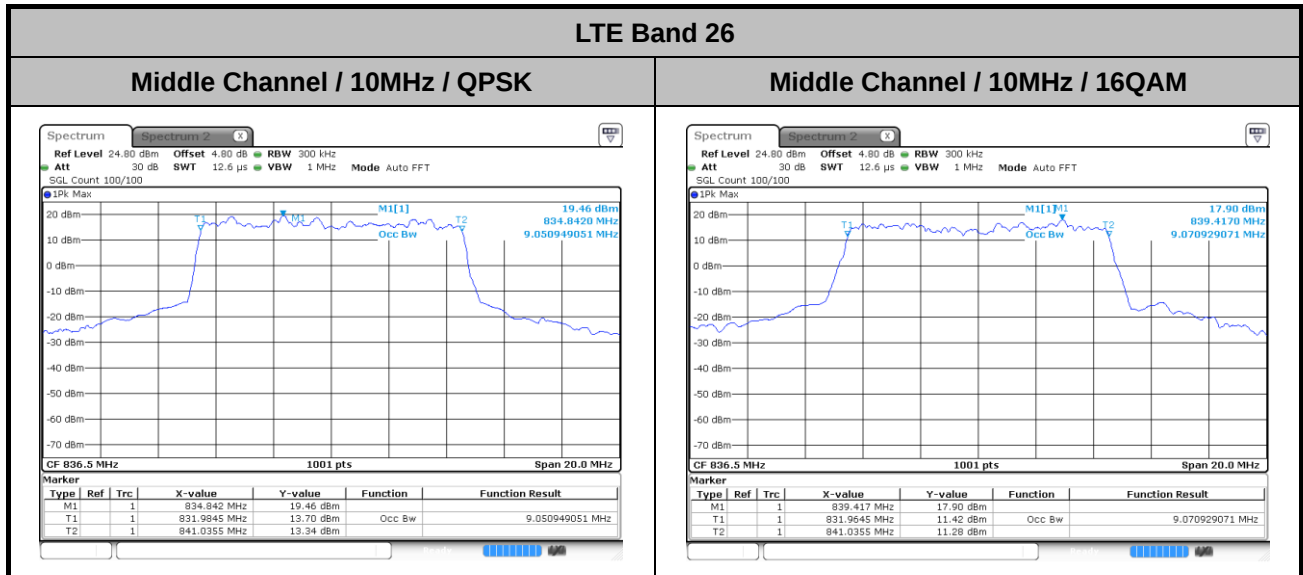
Occupied Bandwidth

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



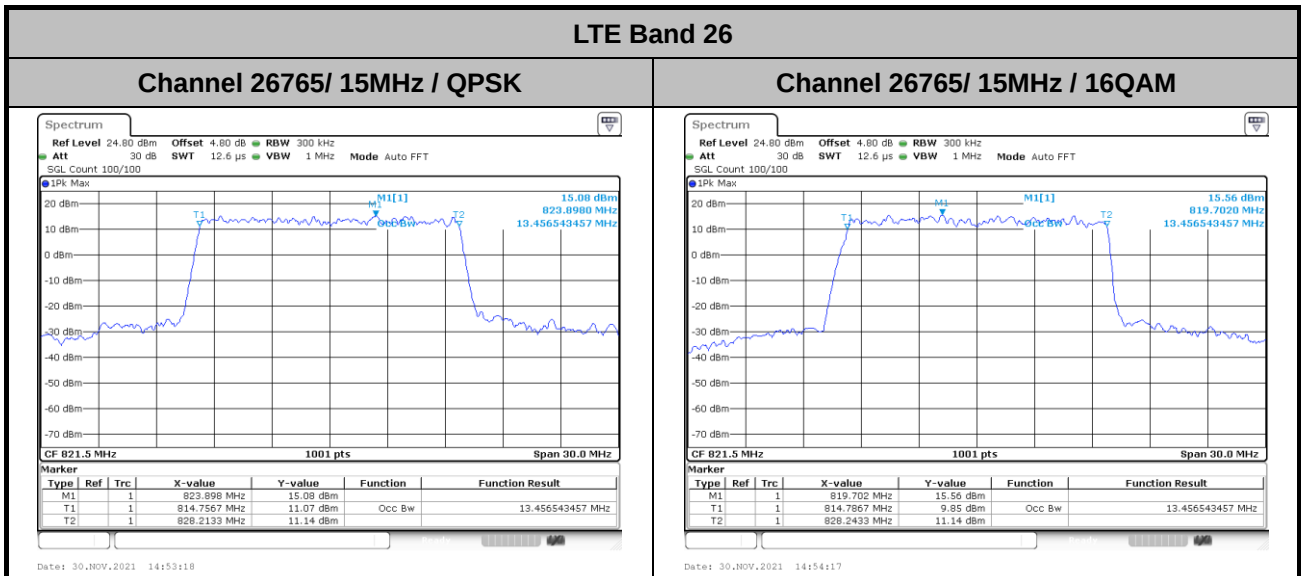


Mode	LTE Band 26 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.05	9.07





Mode	LTE Band 26 : 99%OBW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
CH26765	13.46	13.46

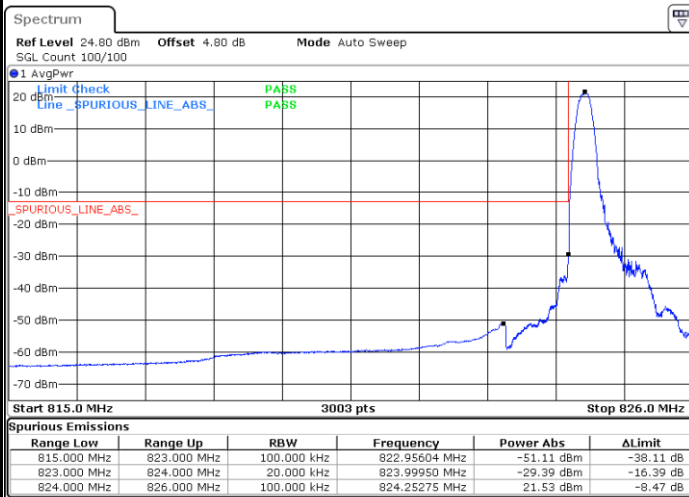




Conducted Band Edge

LTE Band 26 / 1.4MHz / QPSK

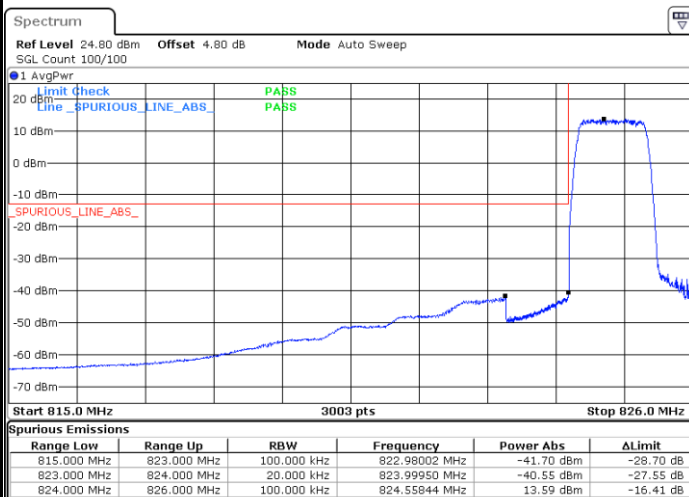
Lowest Band Edge / 1RB



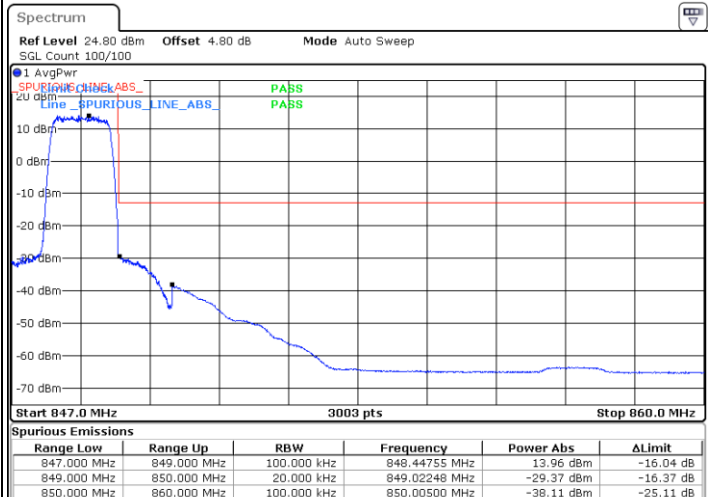
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



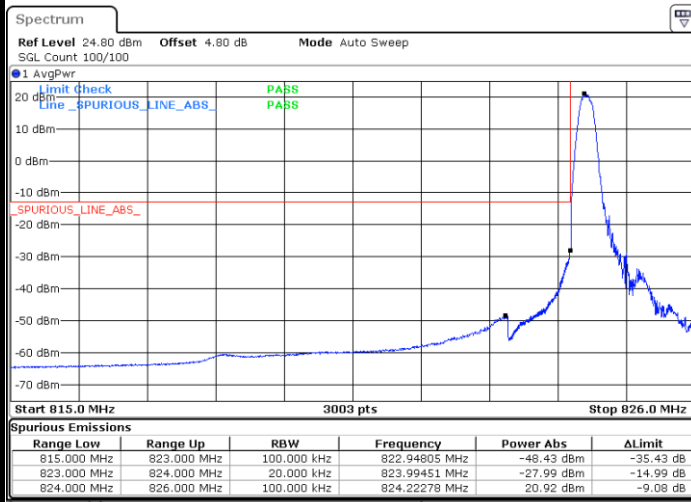
Highest Band Edge / Full RB



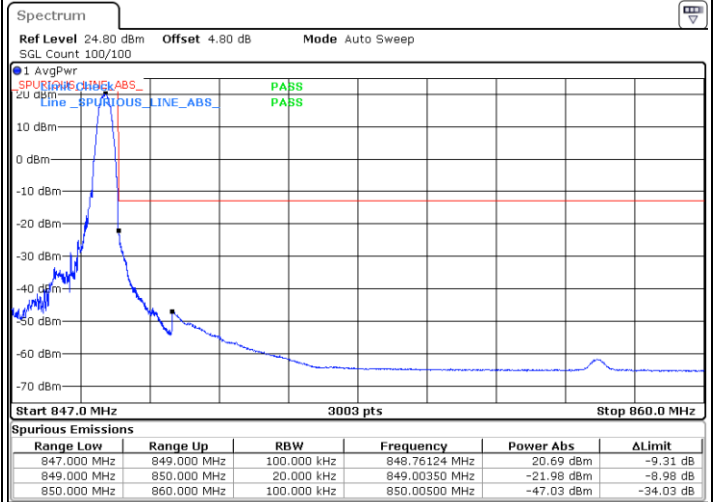


LTE Band 26 / 1.4MHz / 16QAM

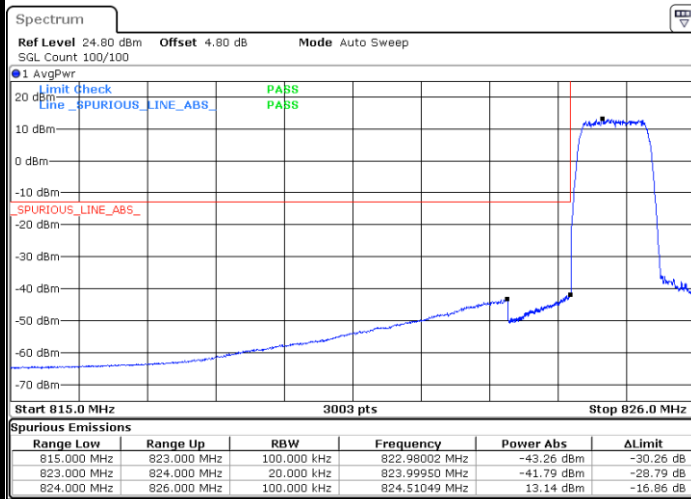
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



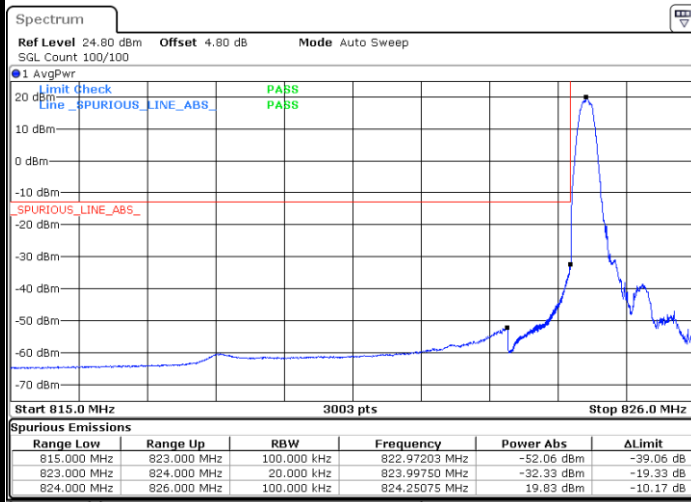
Highest Band Edge / Full RB



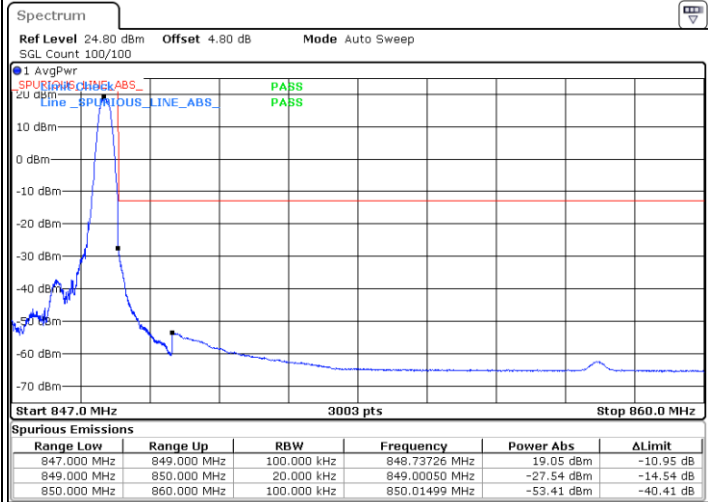


LTE Band 26 / 1.4MHz / 64QAM

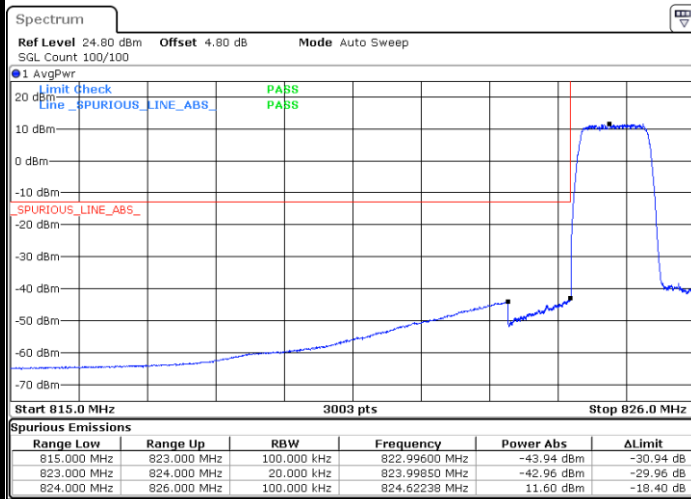
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



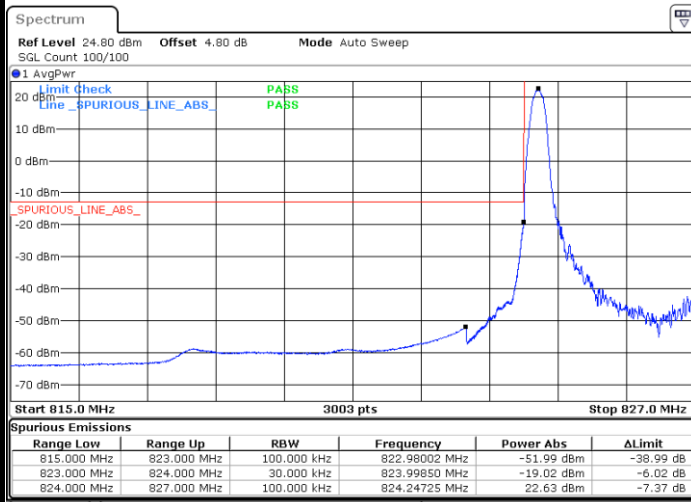
Highest Band Edge / Full RB



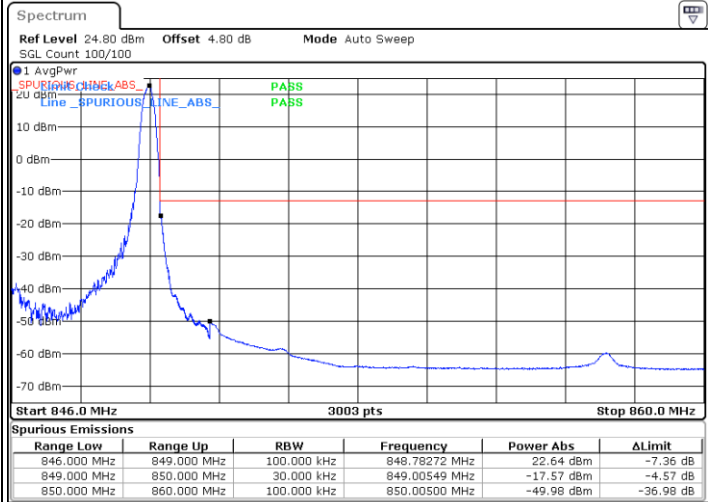


LTE Band 26 / 3MHz / QPSK

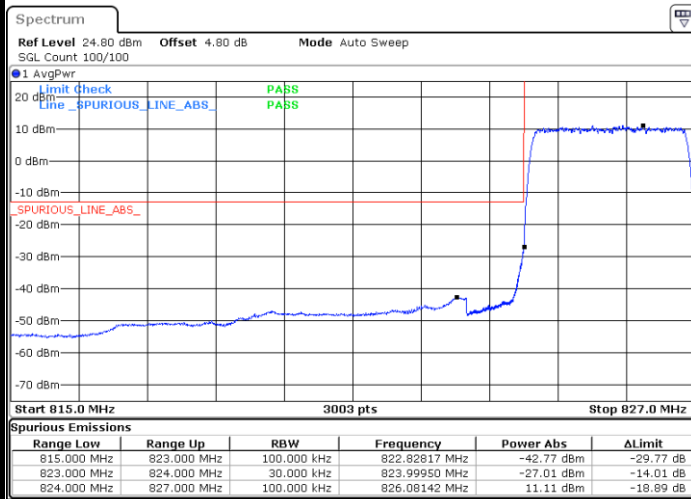
Lowest Band Edge / 1RB



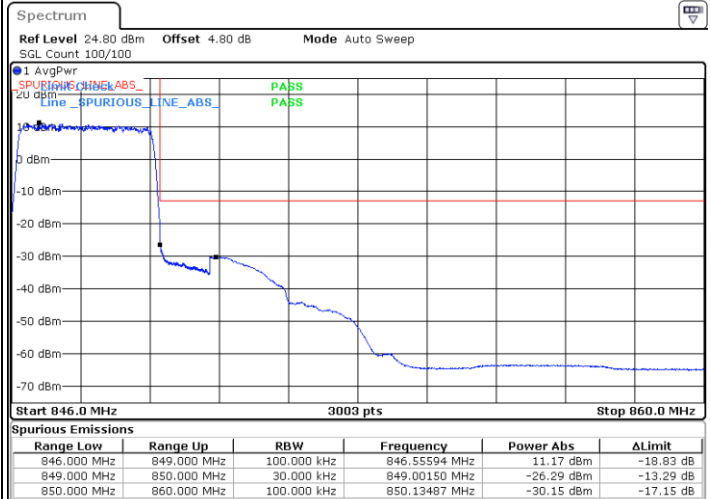
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



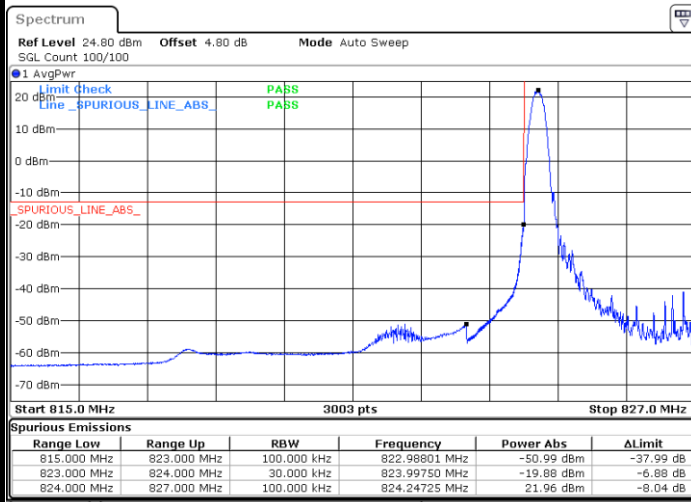
Highest Band Edge / Full RB



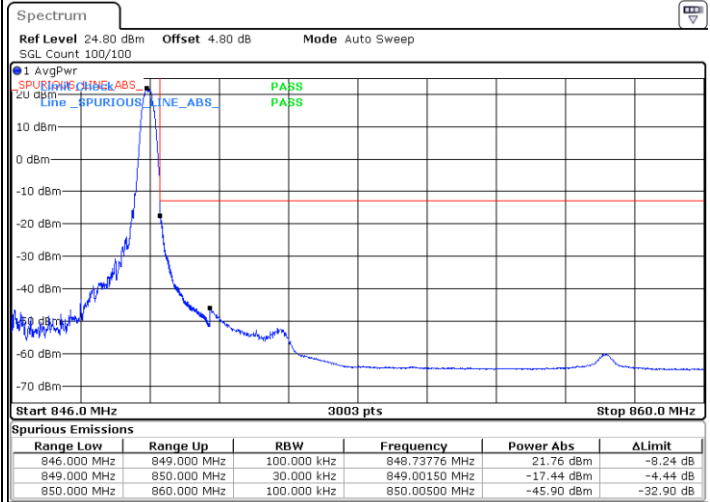


LTE Band 26 / 3MHz / 16QAM

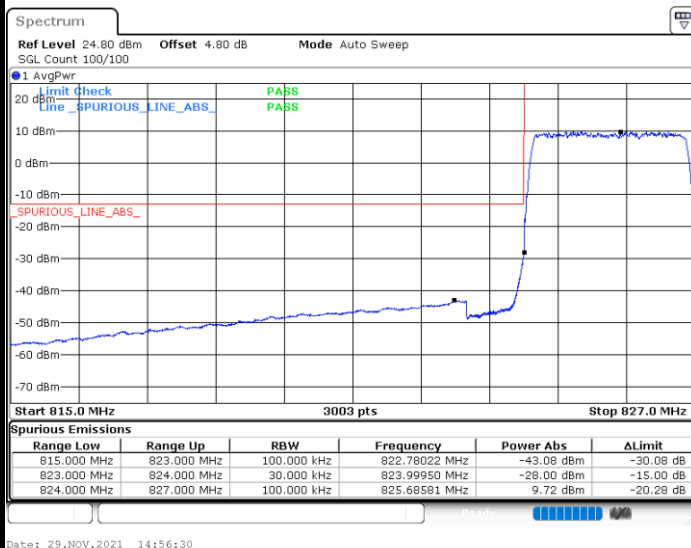
Lowest Band Edge / 1 RB



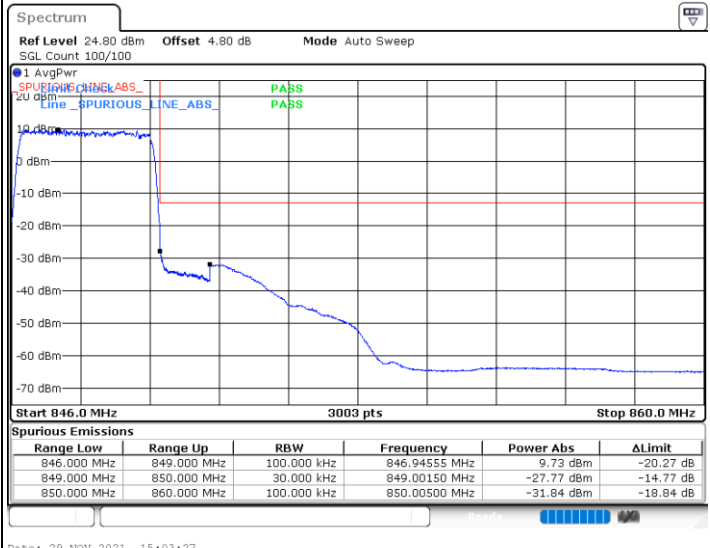
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



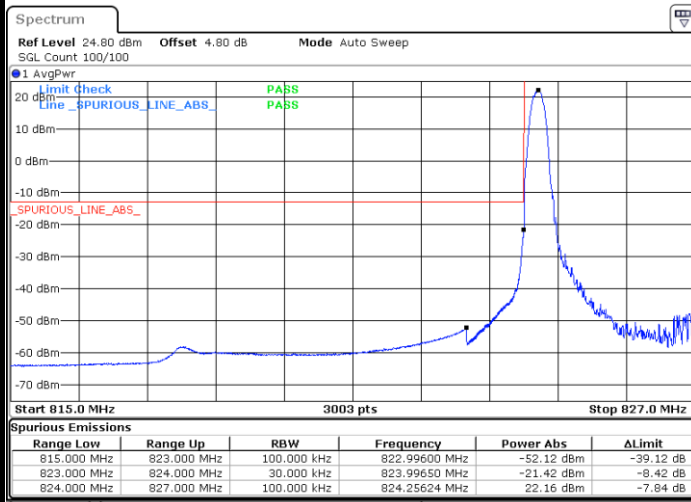
Highest Band Edge / Full RB



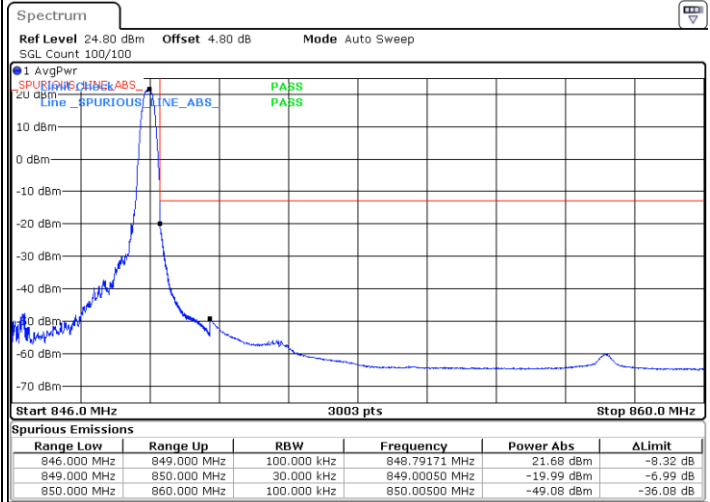


LTE Band 26 / 3MHz / 64QAM

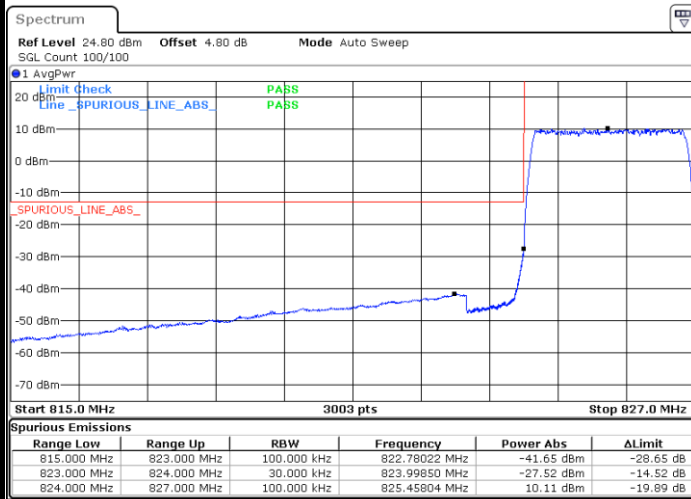
Lowest Band Edge / 1 RB



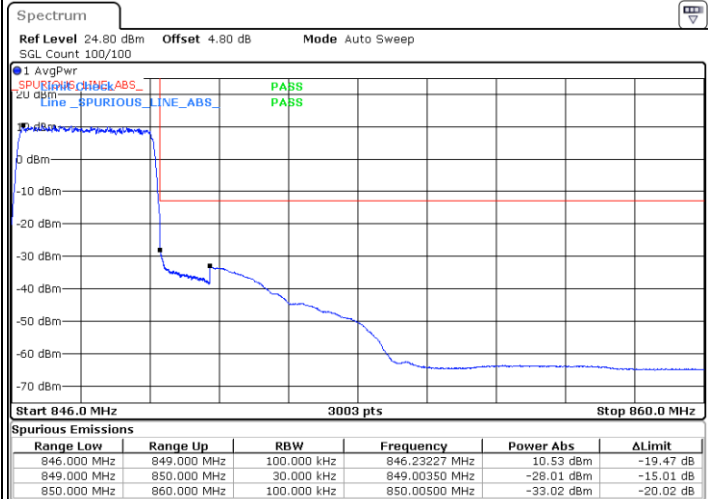
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



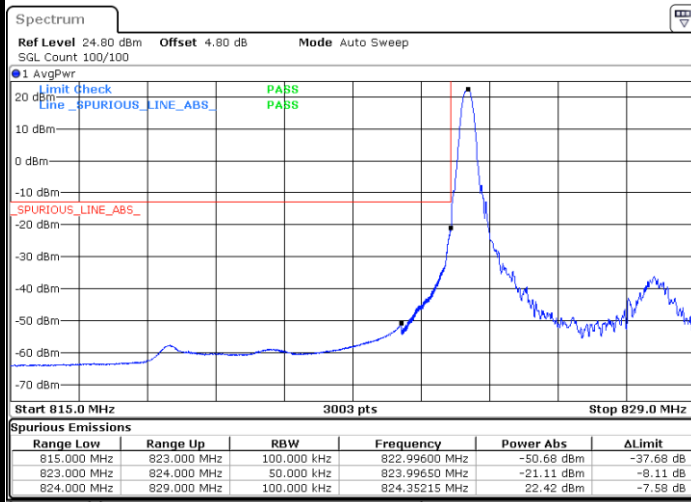
Highest Band Edge / Full RB



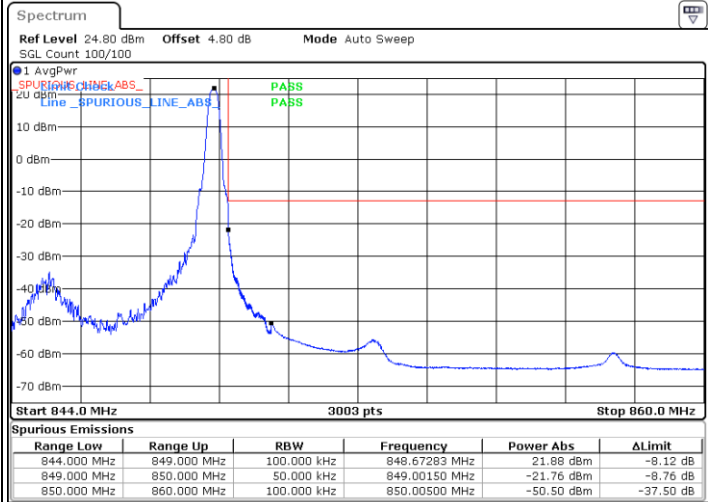


LTE Band 26 / 5MHz / QPSK

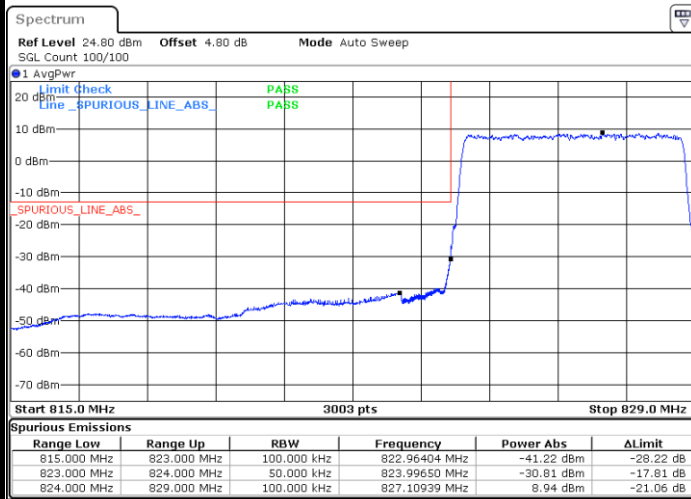
Lowest Band Edge / 1 RB



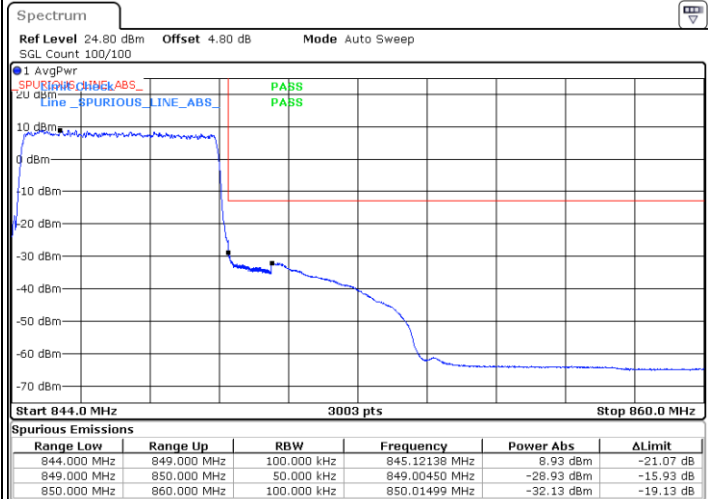
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



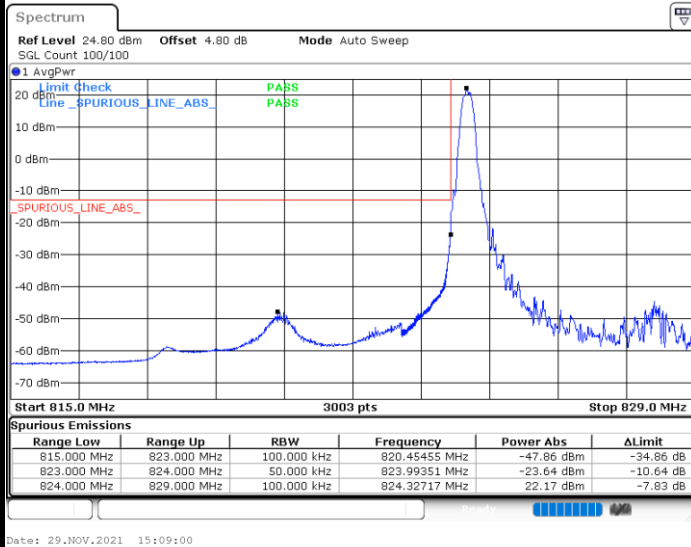
Highest Band Edge / Full RB



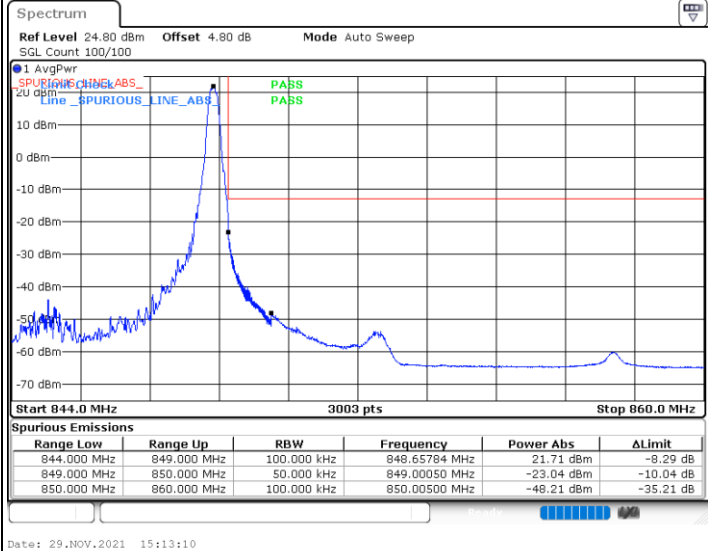


LTE Band 26 / 5MHz / 16QAM

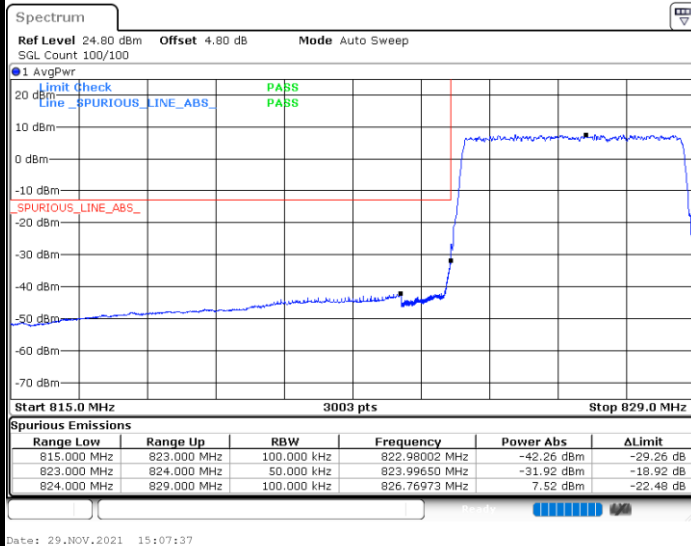
Lowest Band Edge / 1RB



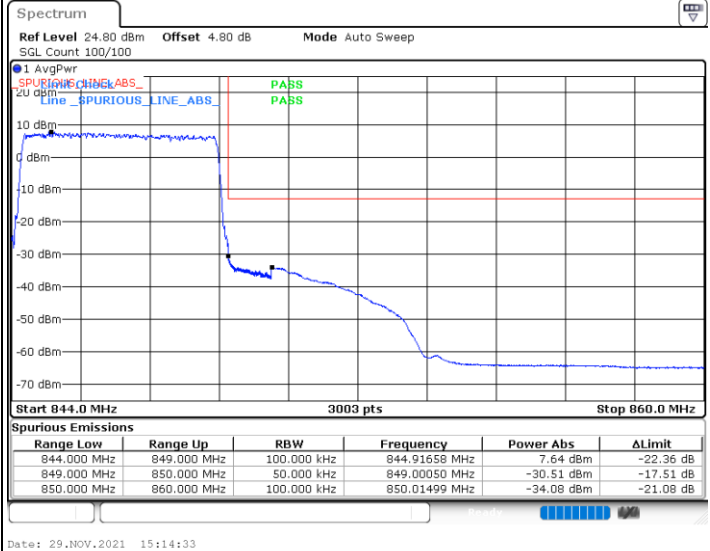
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



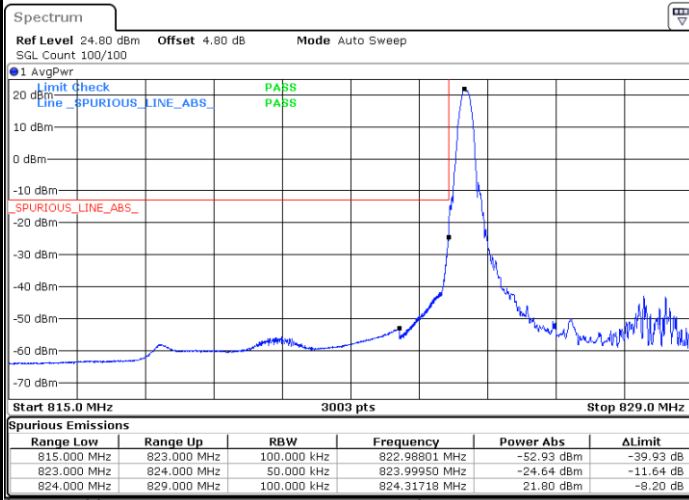
Highest Band Edge / Full RB



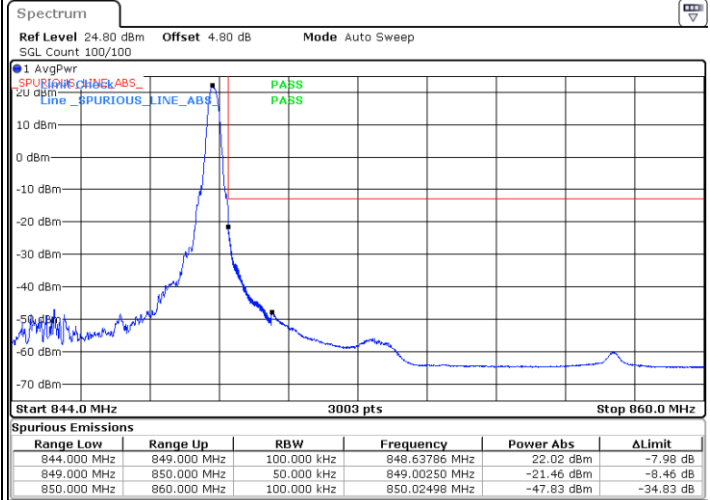


LTE Band 26 / 5MHz / 64QAM

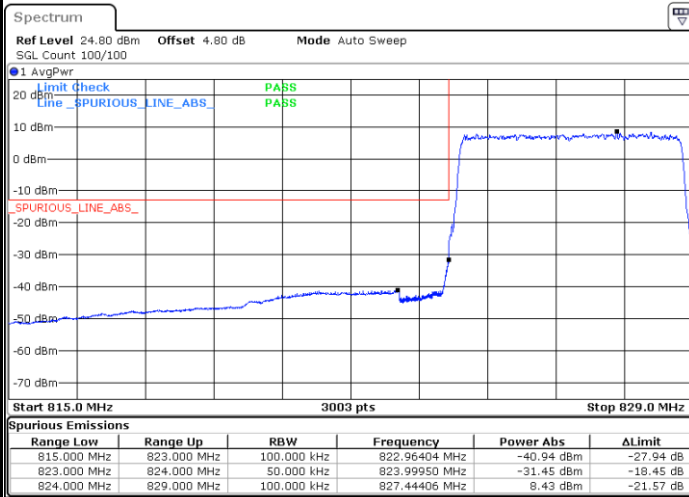
Lowest Band Edge / 1RB



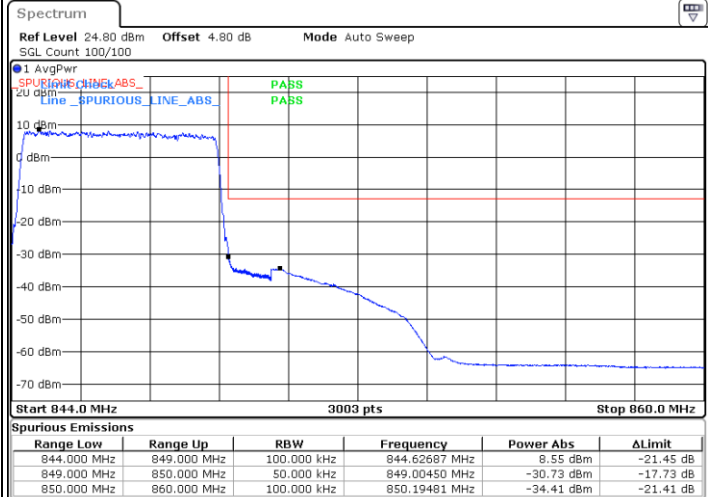
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



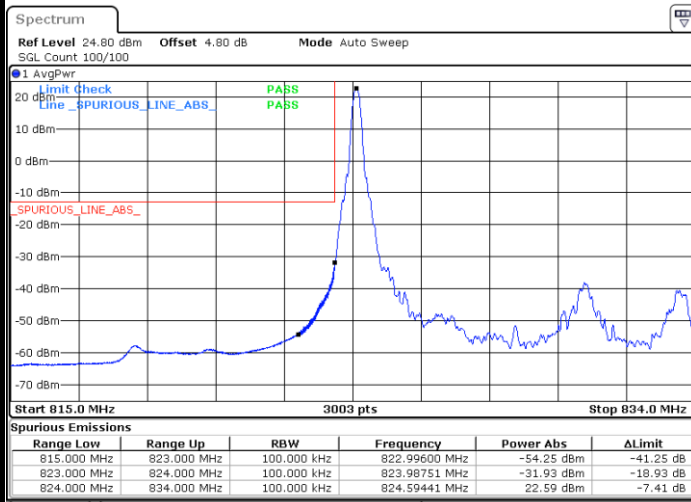
Highest Band Edge / Full RB



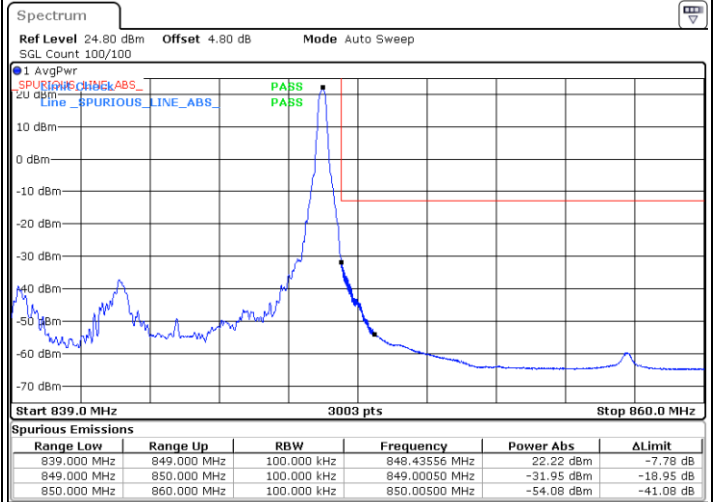


LTE Band 26 / 10MHz / QPSK

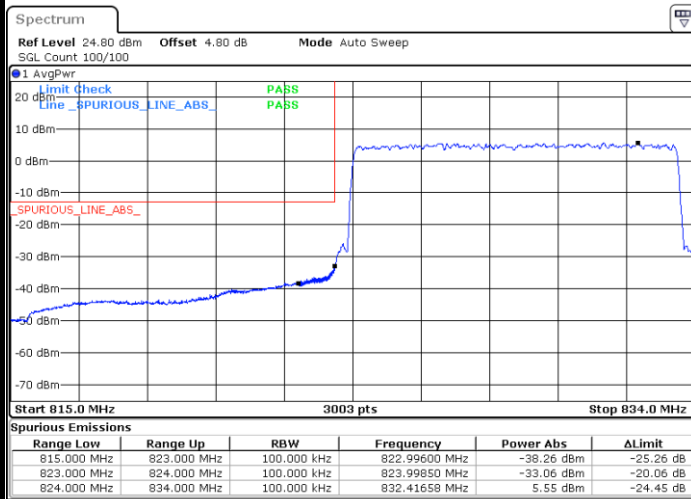
Lowest Band Edge / 1 RB



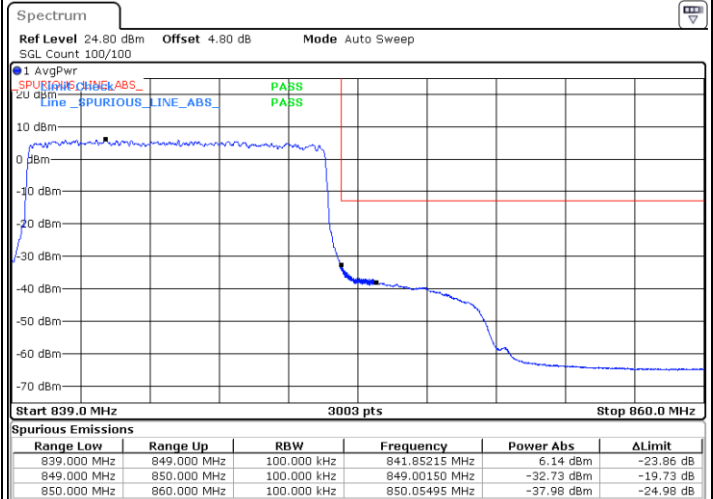
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



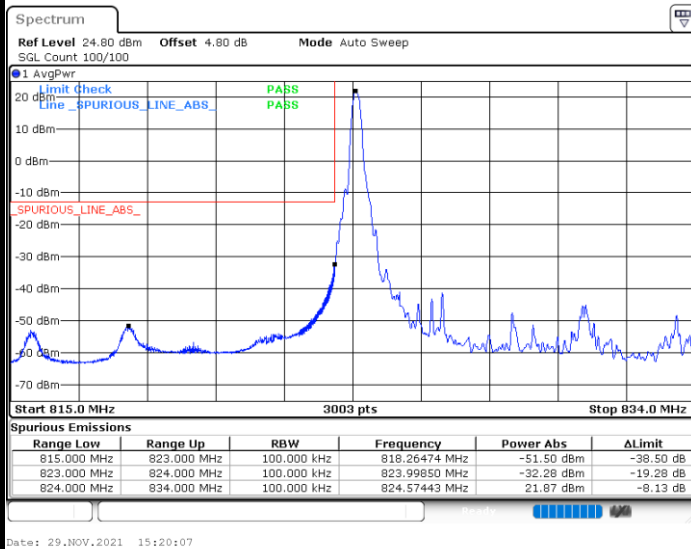
Highest Band Edge / Full RB



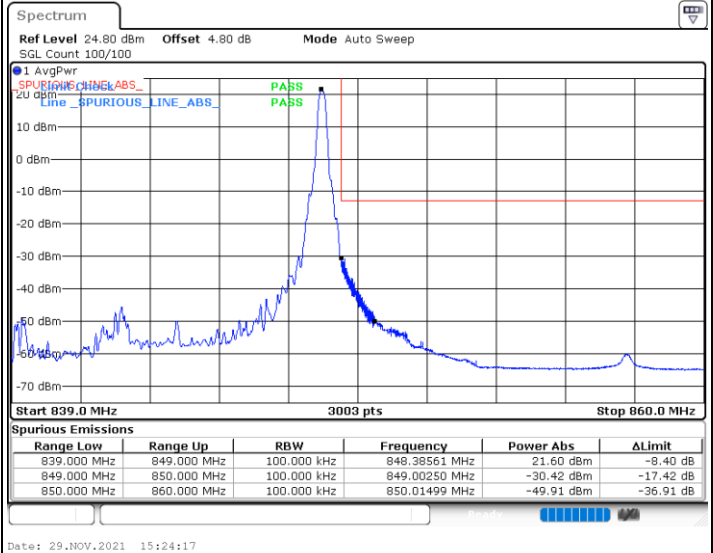


LTE Band 26 / 10MHz / 16QAM

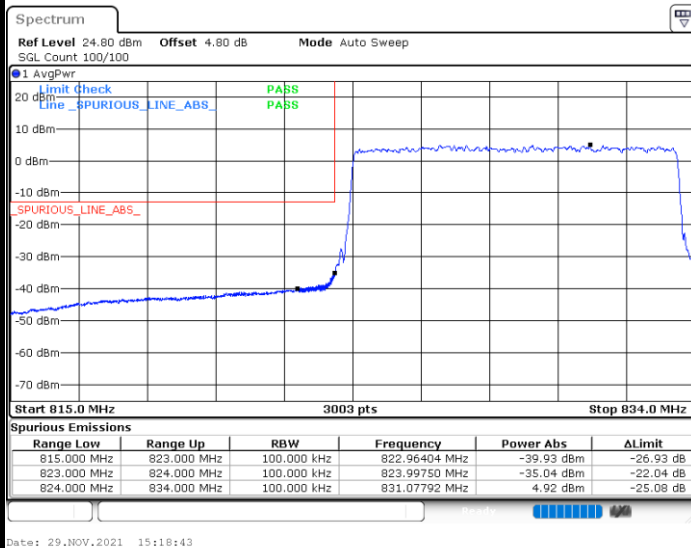
Lowest Band Edge / 1 RB



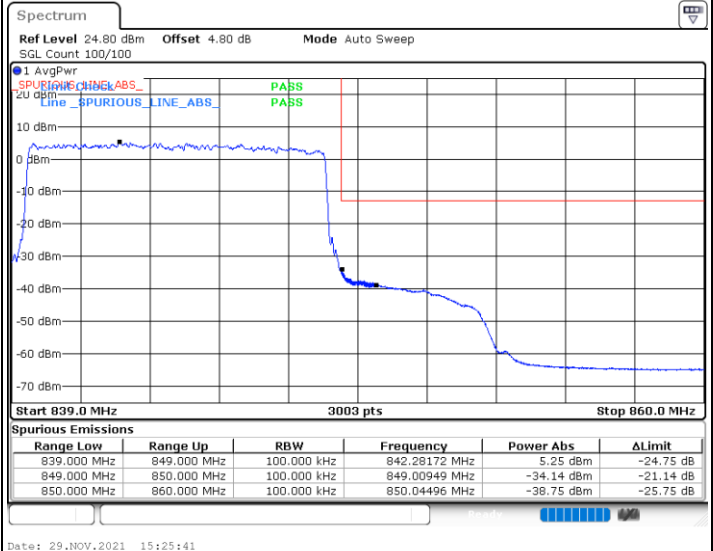
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



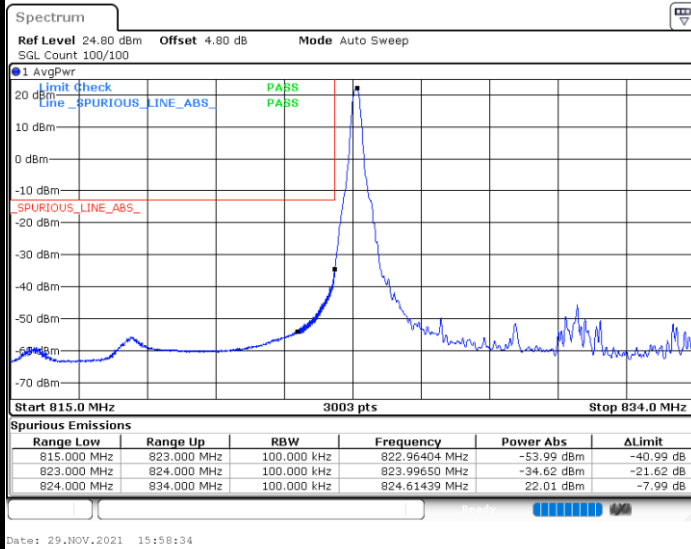
Highest Band Edge / Full RB



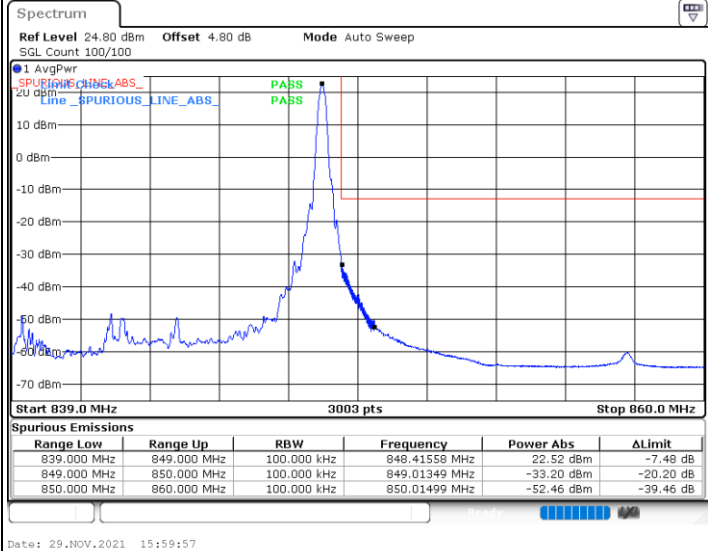


LTE Band 26 / 10MHz / 64QAM

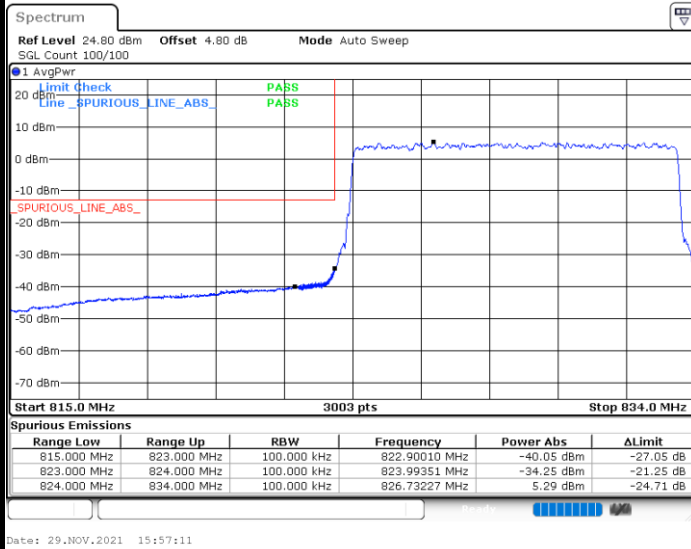
Lowest Band Edge / 1 RB



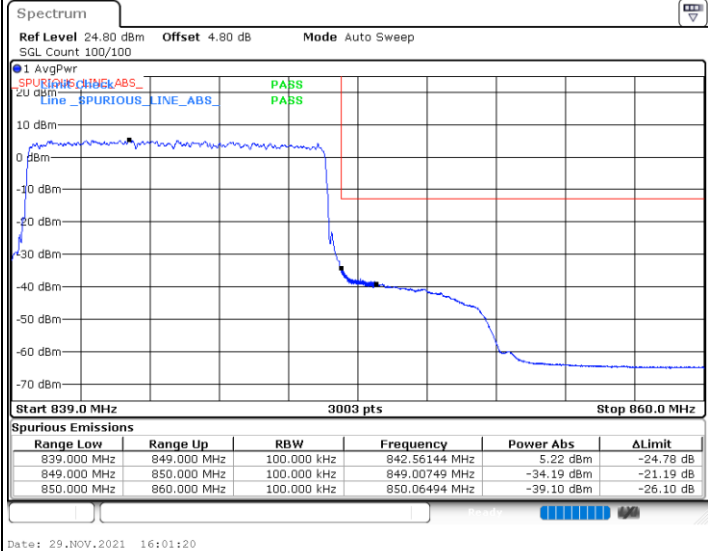
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



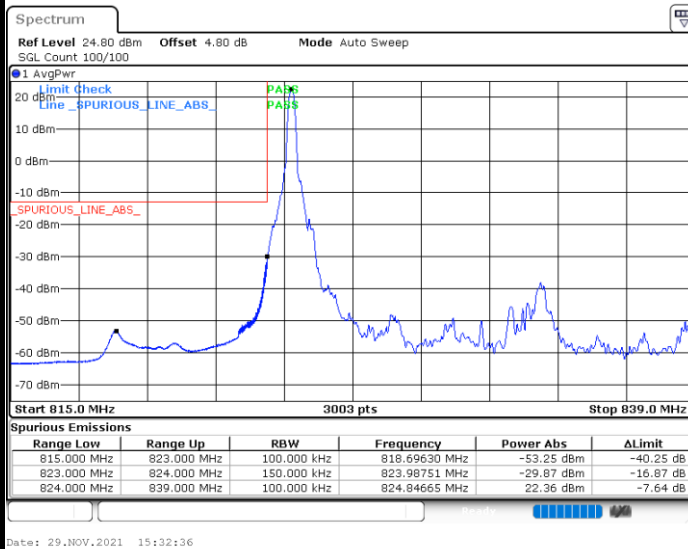
Highest Band Edge / Full RB



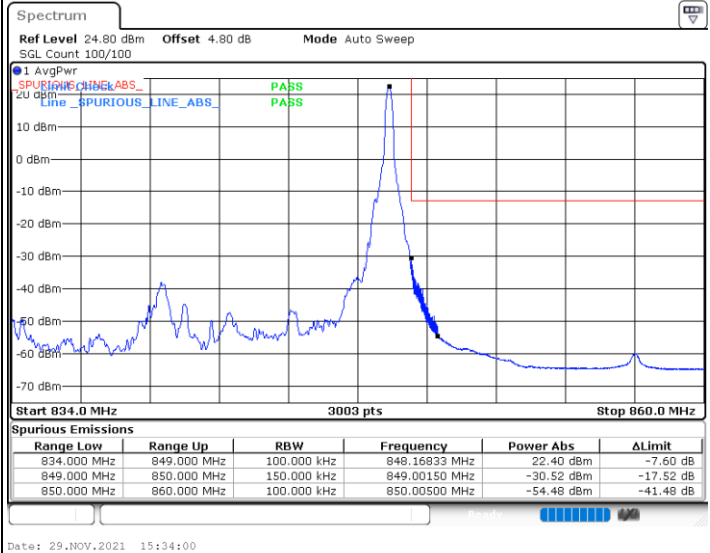


LTE Band 26 / 15MHz / QPSK

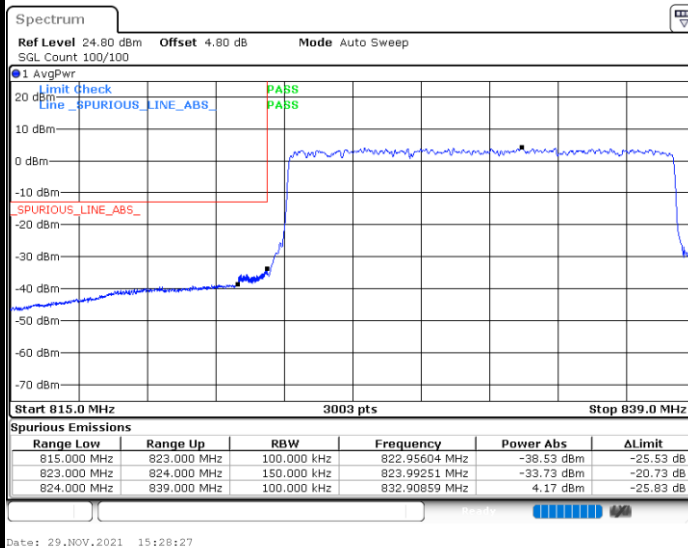
Lowest Band Edge / 1 RB



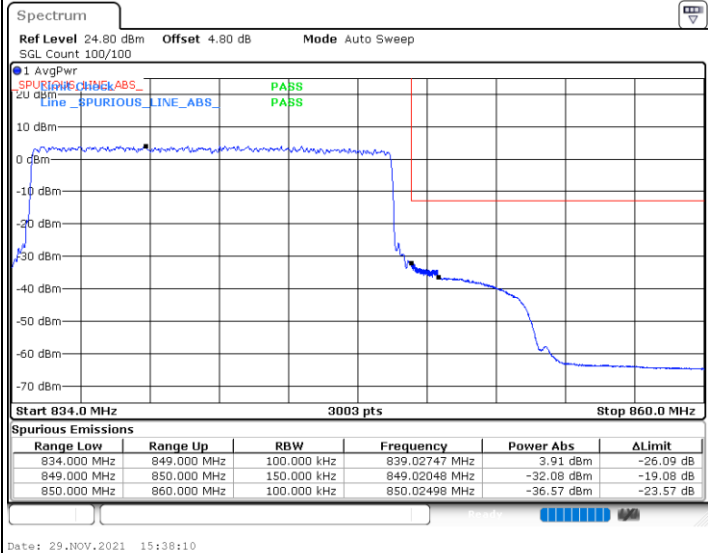
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



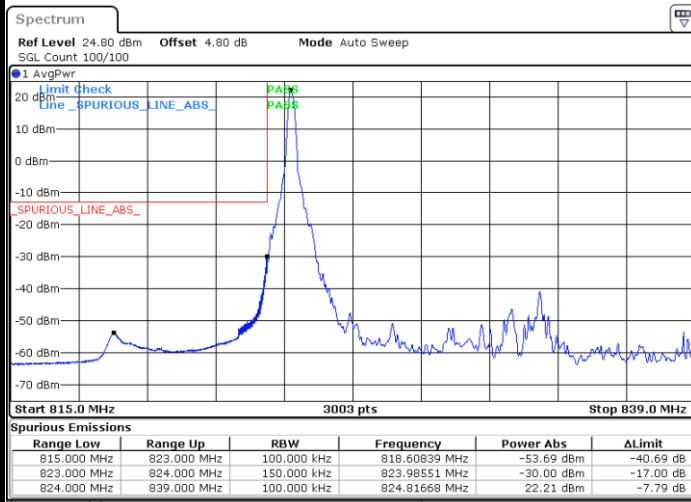
Highest Band Edge / Full RB



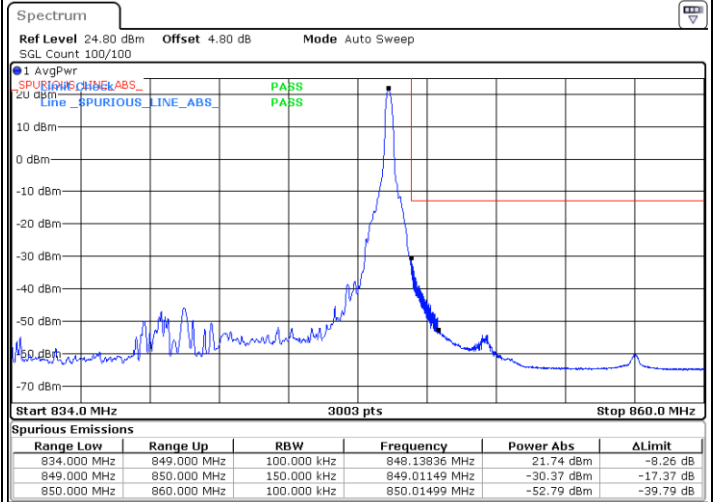


LTE Band 26 / 15MHz / 16QAM

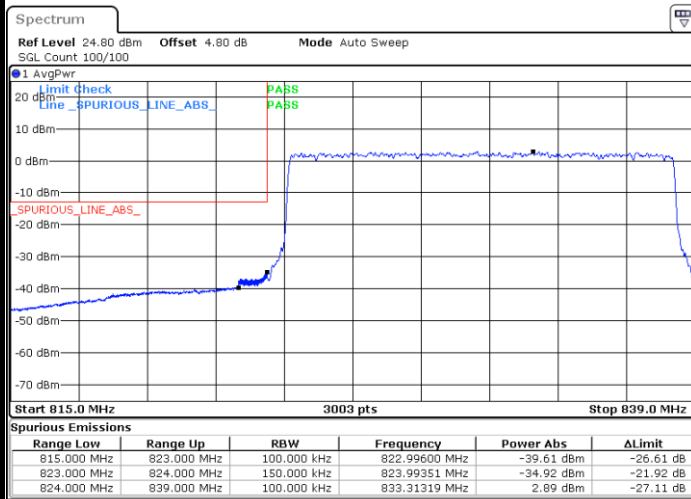
Lowest Band Edge / 1 RB



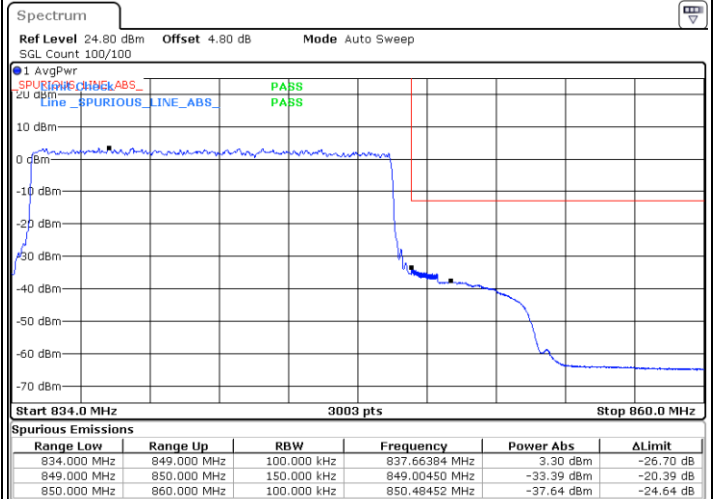
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



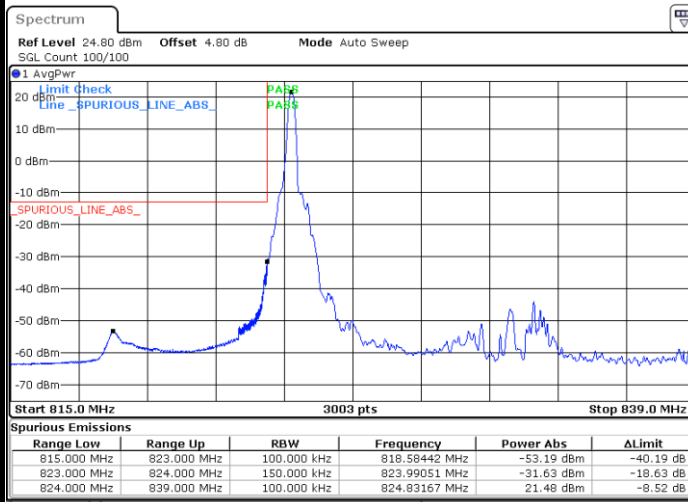
Highest Band Edge / Full RB



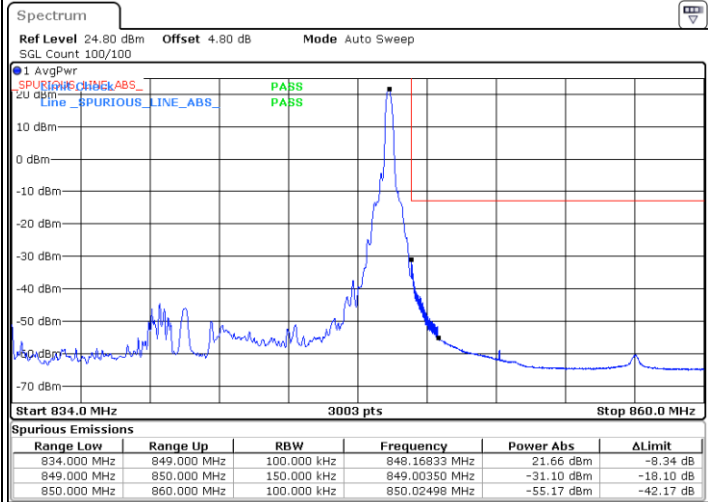


LTE Band 26 / 15MHz / 64QAM

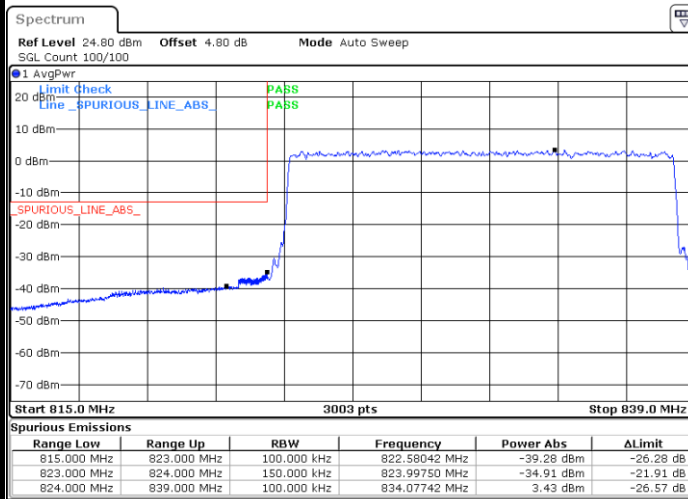
Lowest Band Edge / 1 RB



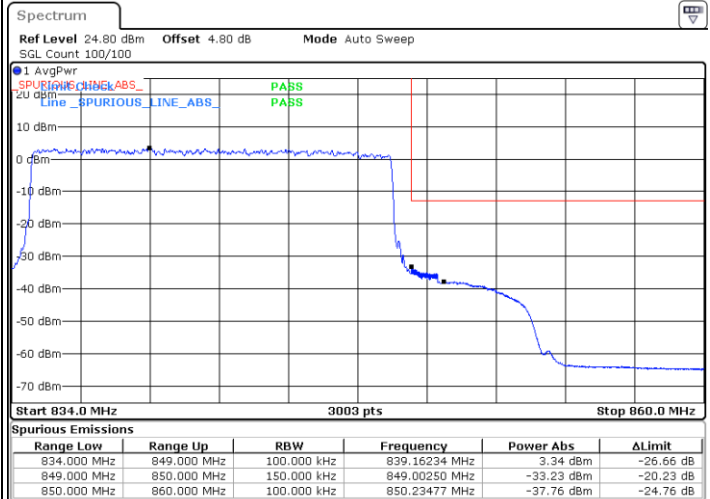
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

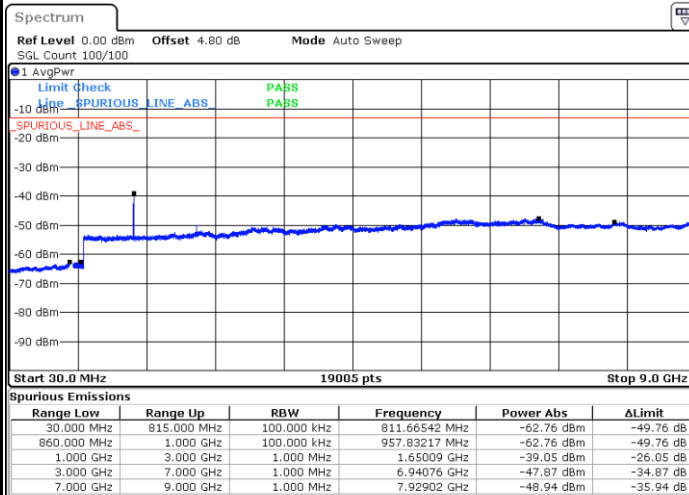




Conducted Spurious Emission

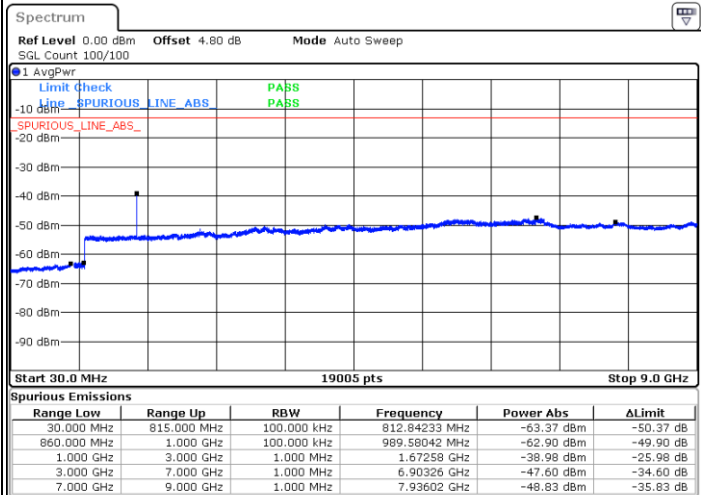
LTE Band 26 / 1.4MHz

Lowest Channel / QPSK



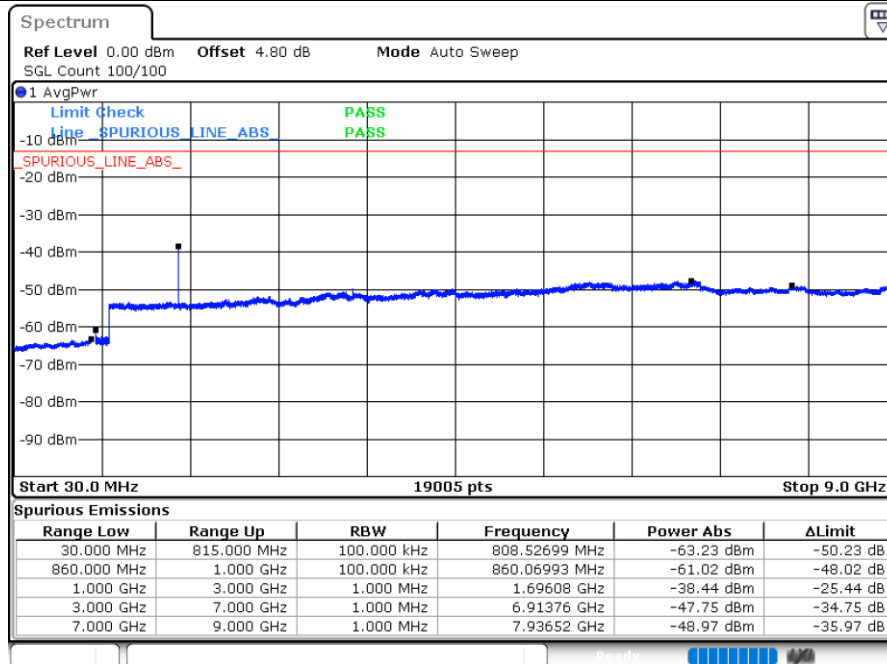
Date: 29.NOV.2021 16:09:48

Middle Channel / QPSK



Date: 29.NOV.2021 16:12:41

Highest Channel / QPSK

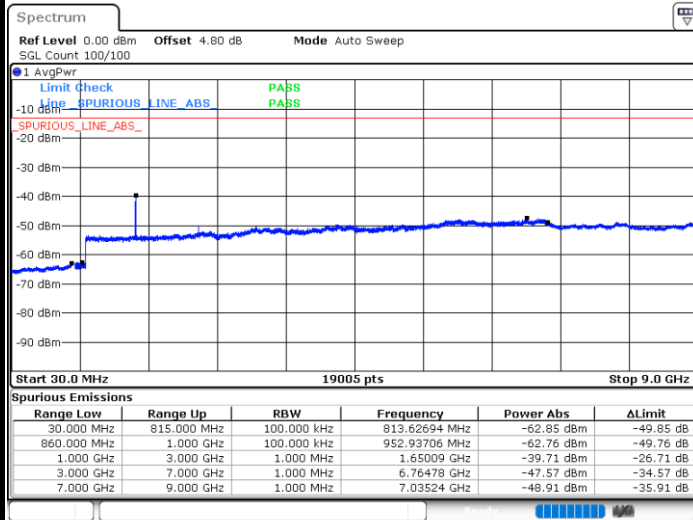


Date: 29.NOV.2021 16:15:34



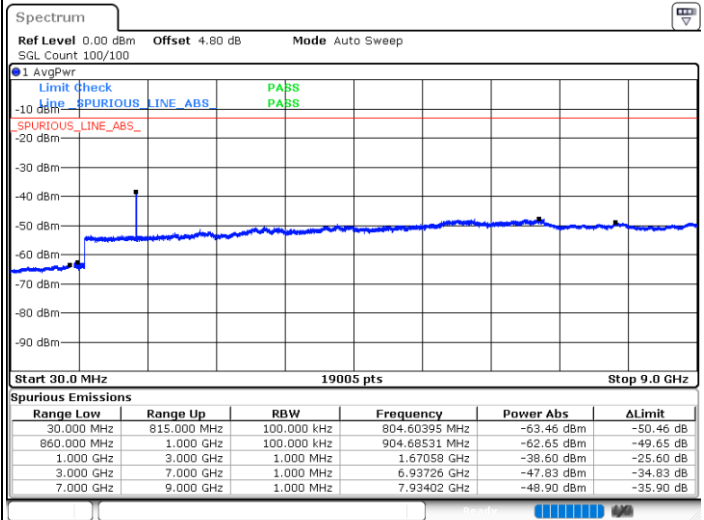
LTE Band 26 / 3MHz

Lowest Channel / QPSK



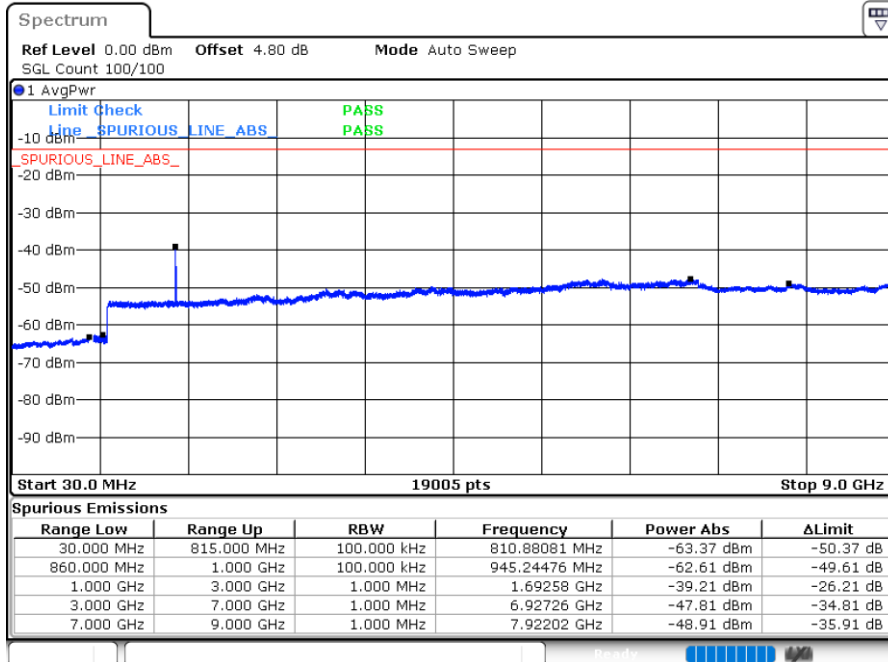
Date: 29.NOV.2021 16:18:28

Middle Channel / QPSK



Date: 29.NOV.2021 16:21:21

Highest Channel / QPSK



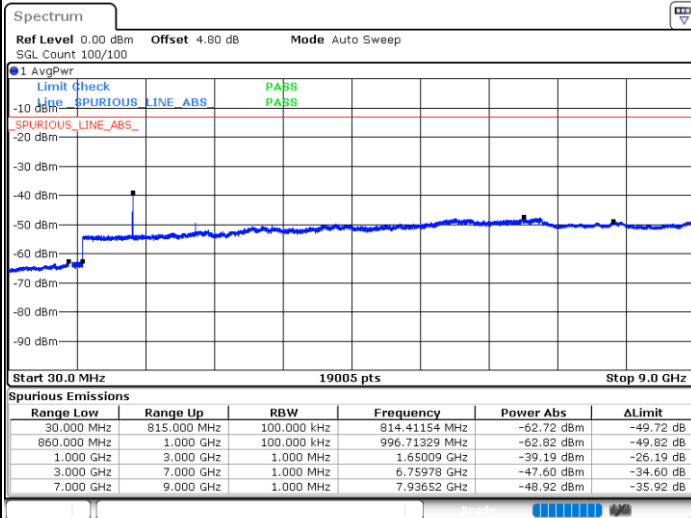
Date: 29.NOV.2021 16:24:14



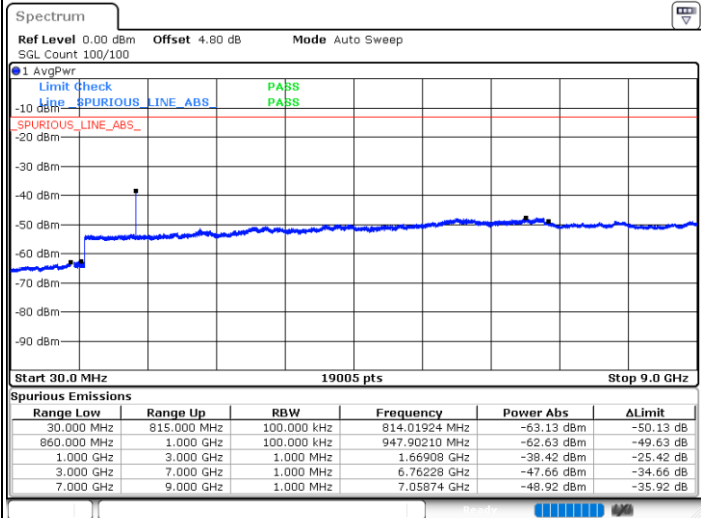
LTE Band 26 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

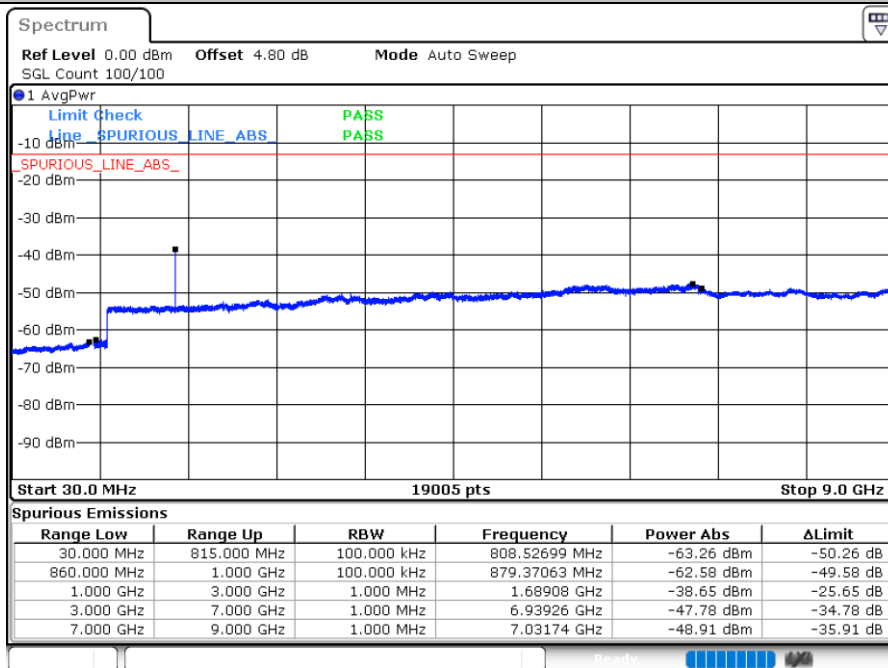


Date: 29.NOV.2021 16:27:08



Date: 29.NOV.2021 16:30:01

Highest Channel / QPSK

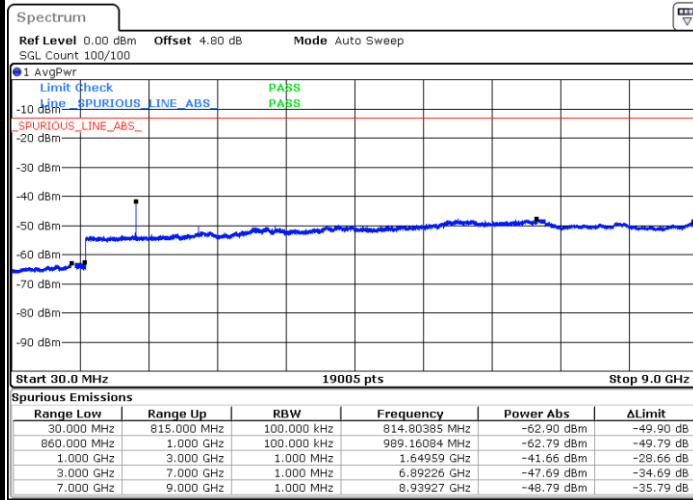


Date: 29.NOV.2021 16:32:54



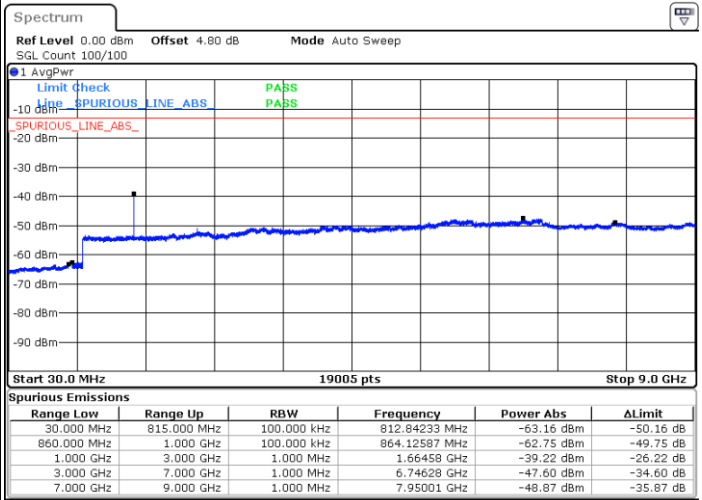
LTE Band 26 / 10MHz

Lowest Channel / QPSK



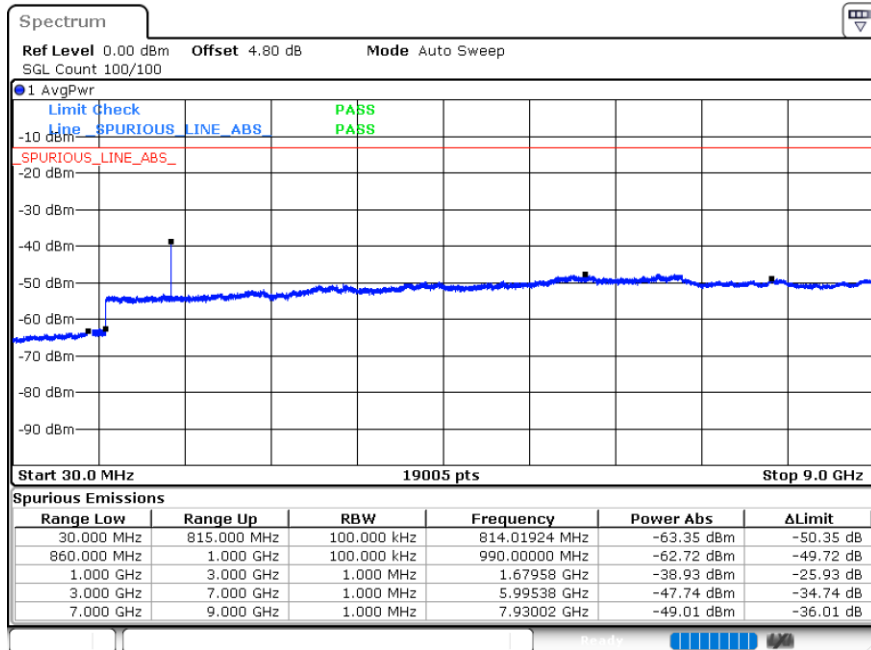
Date: 29.NOV.2021 16:35:48

Middle Channel / QPSK



Date: 29.NOV.2021 16:38:41

Highest Channel / QPSK

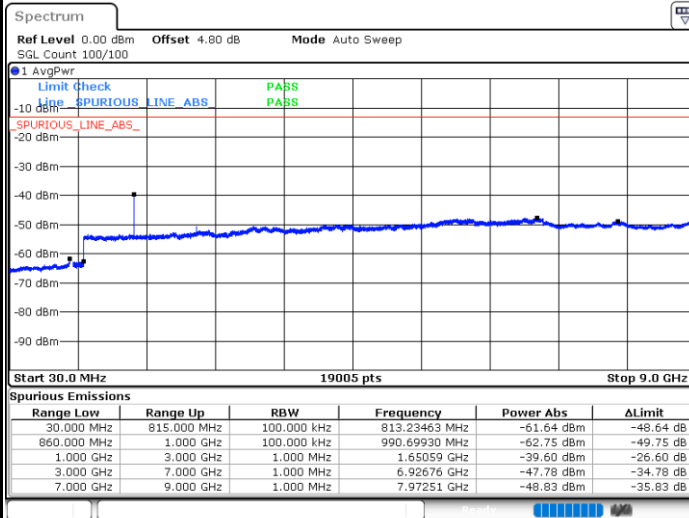


Date: 29.NOV.2021 16:41:34



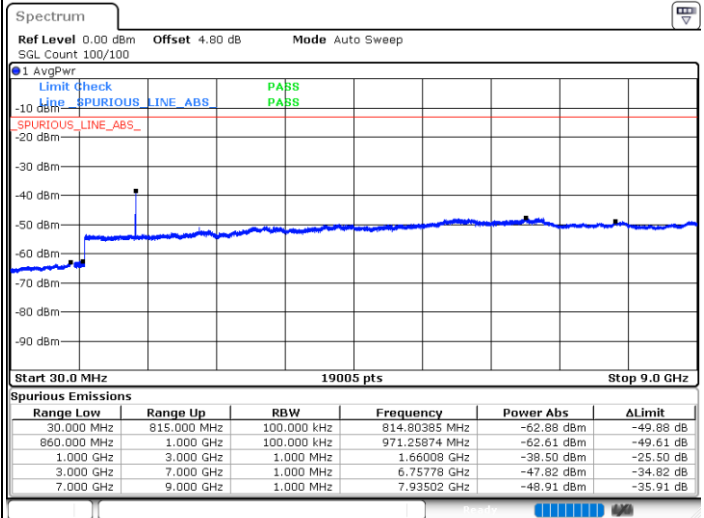
LTE Band 26 / 15MHz

Lowest Channel / QPSK



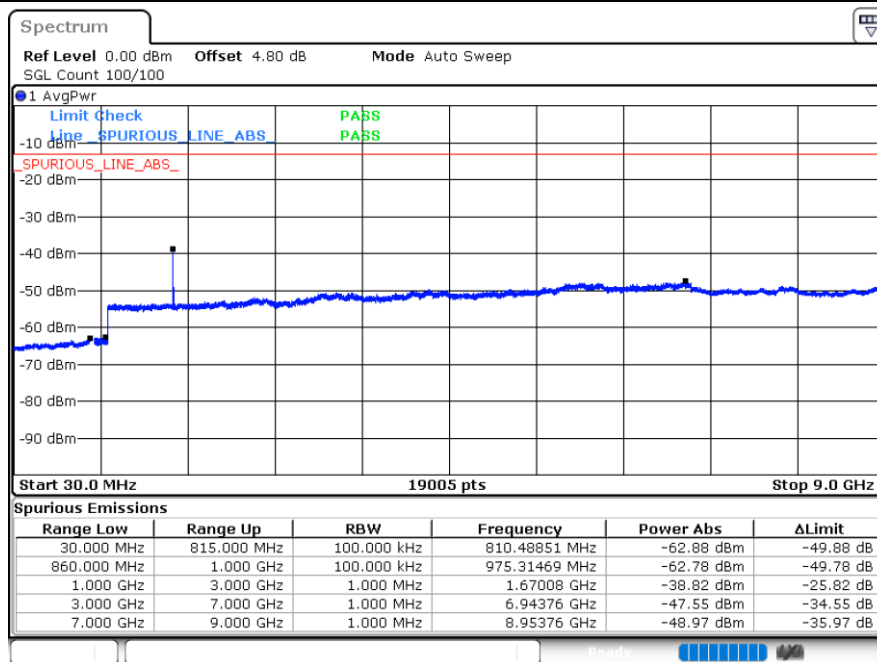
Date: 29.NOV.2021 16:44:32

Middle Channel / QPSK



Date: 29.NOV.2021 16:47:26

Highest Channel / QPSK

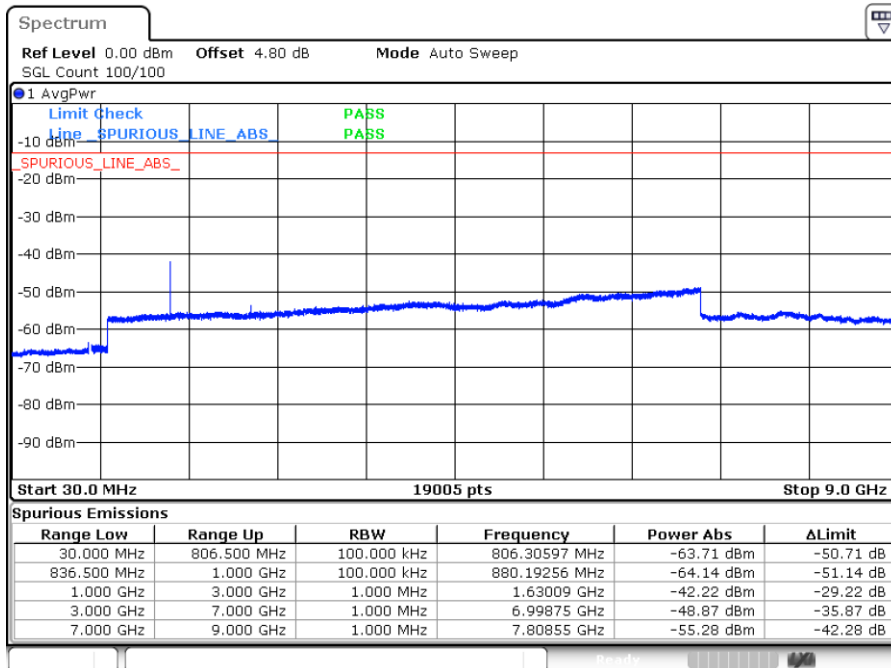


Date: 29.NOV.2021 16:50:20



LTE Band 26 / 15MHz

Channel 26765 / QPSK



Date: 30.NOV.2021 15:02:32

**Frequency Stability**

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0016	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0009	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

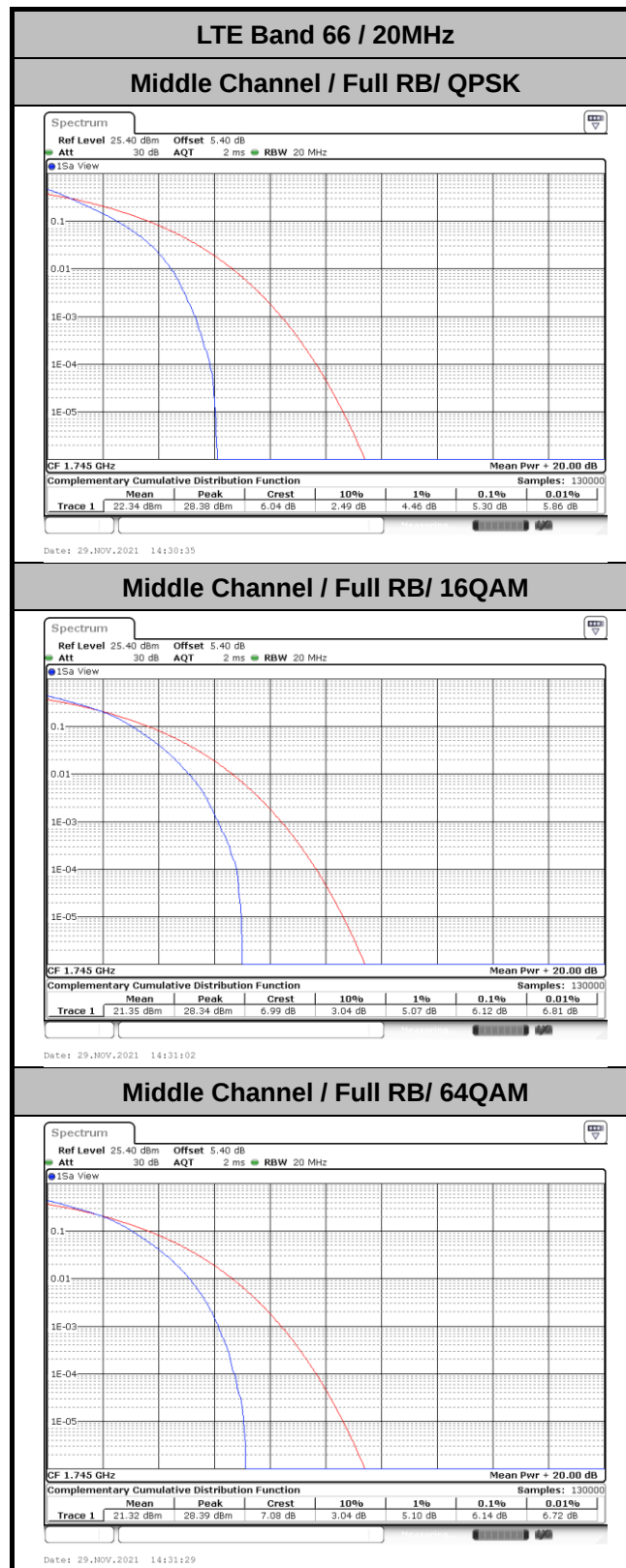
Note: Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.



LTE Band 66

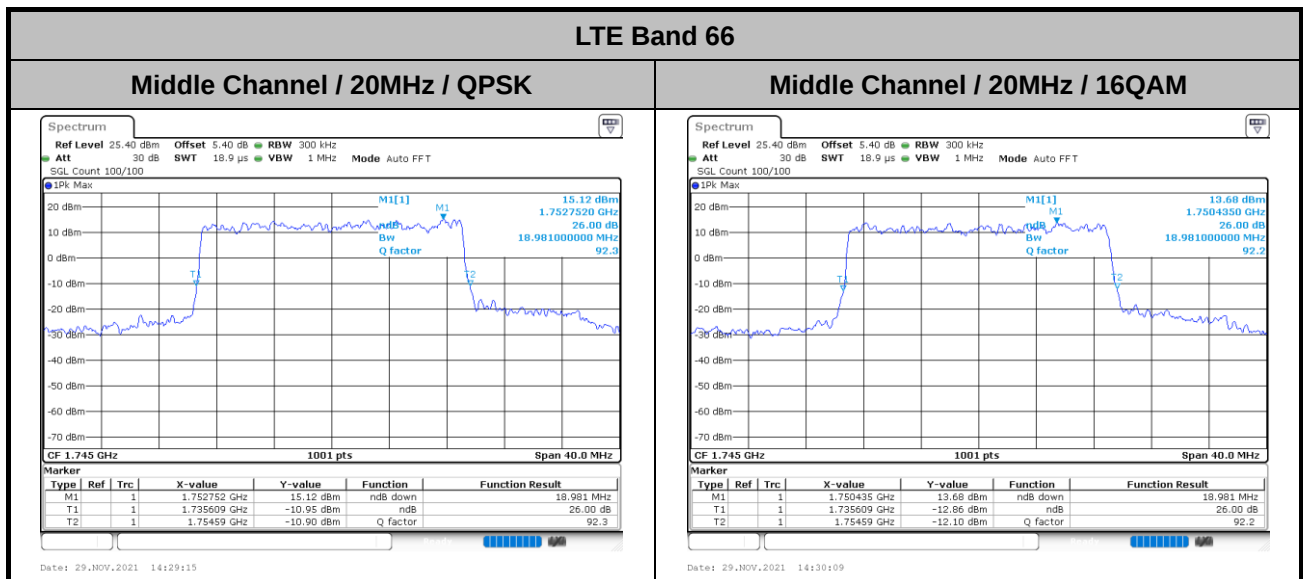
Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.30	6.12	6.14	PASS



**26dB Bandwidth**

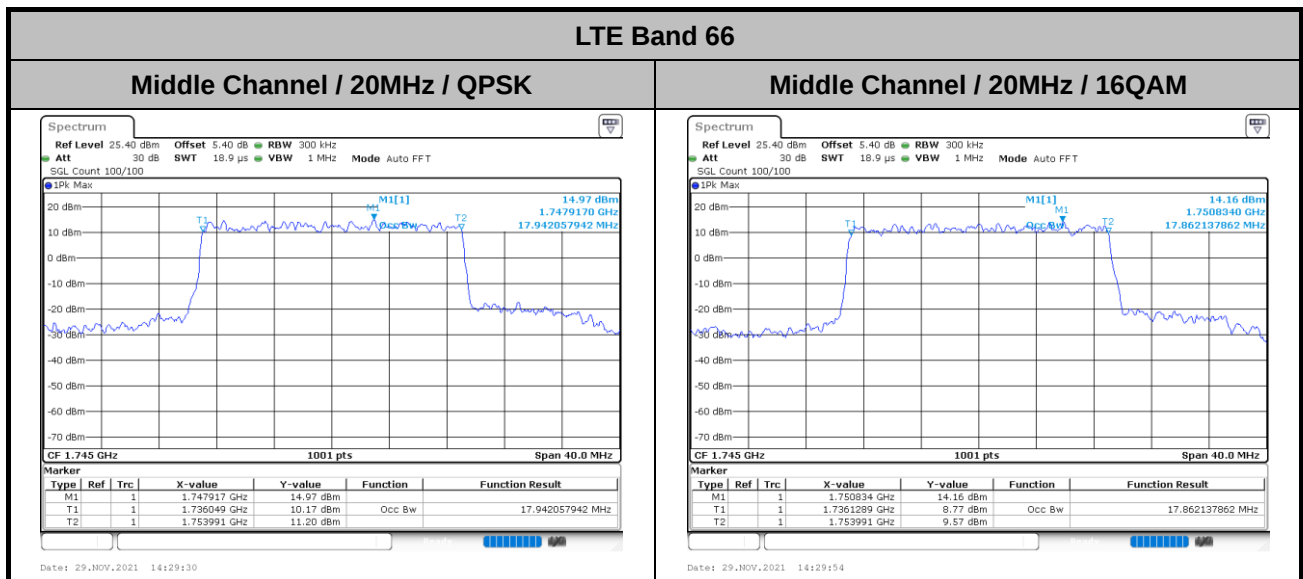
Mode	LTE Band 66 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.98	18.98

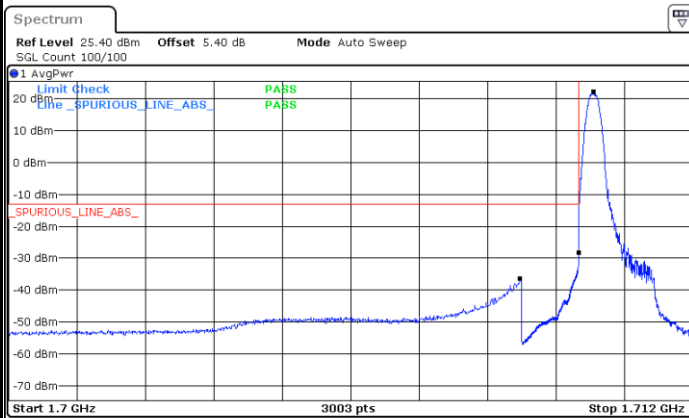




Occupied Bandwidth

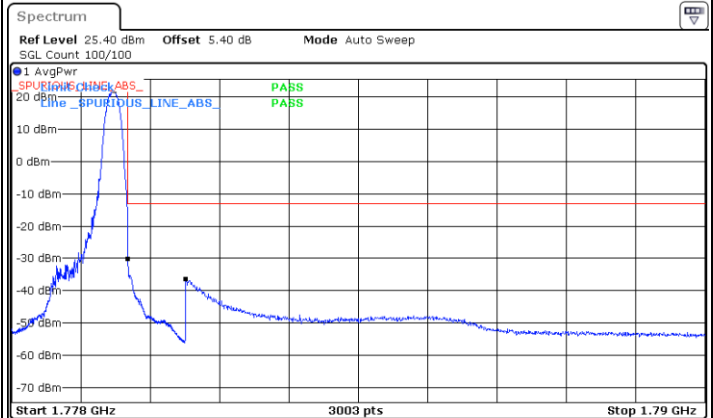
Mode	LTE Band 66 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.94	17.86



**Conducted Band Edge****LTE Band 66 / 1.4MHz / QPSK****Lowest Band Edge / 1RB**

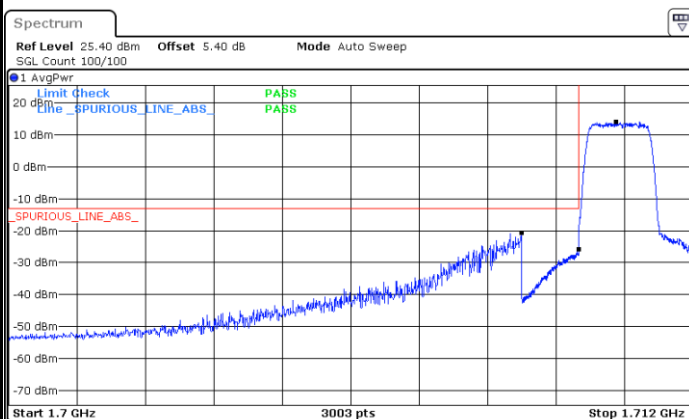
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70897 GHz	-36.35 dBm	-23.35 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-28.31 dBm	-15.31 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71025 GHz	22.09 dBm	-7.91 dB

Date: 29.NOV.2021 12:02:08

Highest Band Edge / 1RB

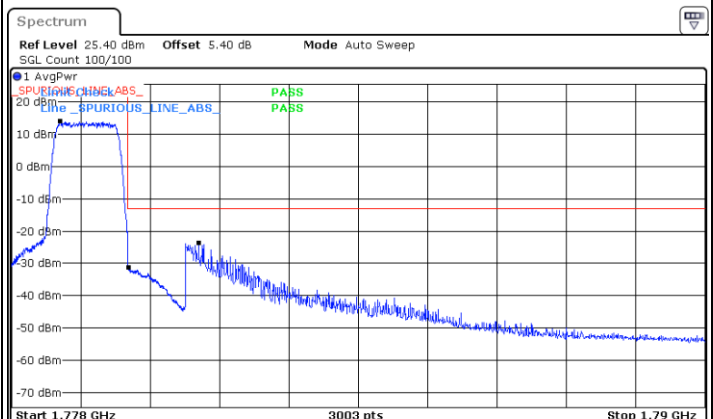
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.778 GHz	1.780 GHz	100.000 kHz	1.77978 GHz	21.96 dBm	-8.04 dB
1.780 GHz	1.781 GHz	20.000 kHz	1.78000 GHz	-30.09 dBm	-17.09 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78101 GHz	-36.52 dBm	-23.52 dB

Date: 29.NOV.2021 12:16:13

Lowest Band Edge / Full RB

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70899 GHz	-20.69 dBm	-7.69 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-25.89 dBm	-12.89 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71064 GHz	14.12 dBm	-15.88 dB

Date: 29.NOV.2021 12:09:04

Highest Band Edge / Full RB

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.778 GHz	1.780 GHz	100.000 kHz	1.77893 GHz	13.90 dBm	-16.10 dB
1.780 GHz	1.781 GHz	20.000 kHz	1.78002 GHz	-31.28 dBm	-18.28 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78124 GHz	-23.77 dBm	-10.77 dB

Date: 29.NOV.2021 12:23:09