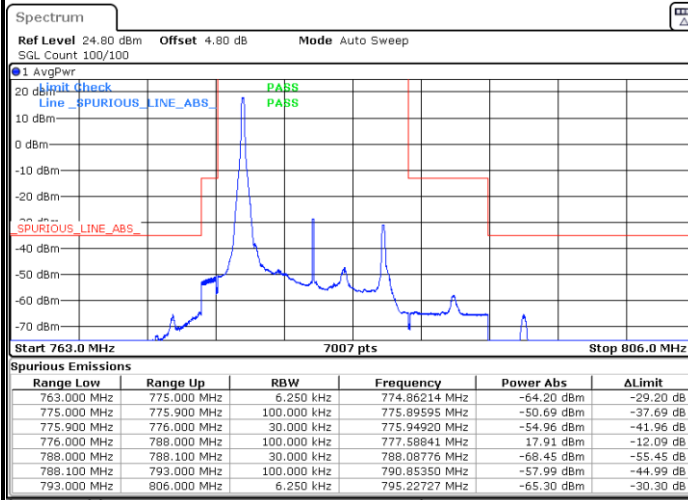




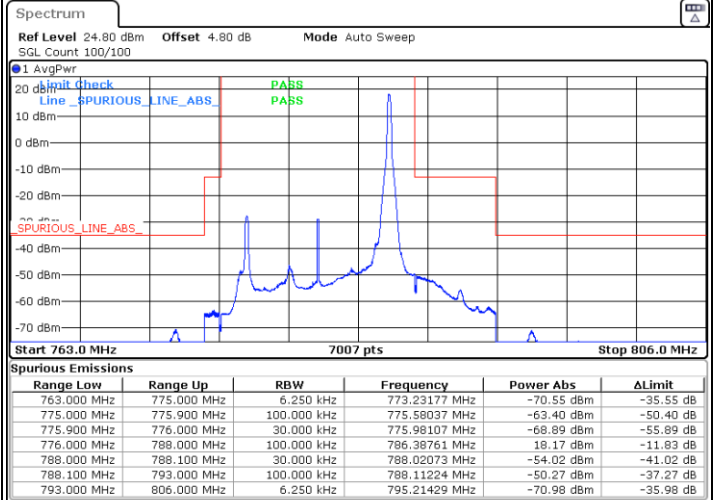
LTE Band 13 / 10MHz / 16QAM

middle Band Edge / 1 RB



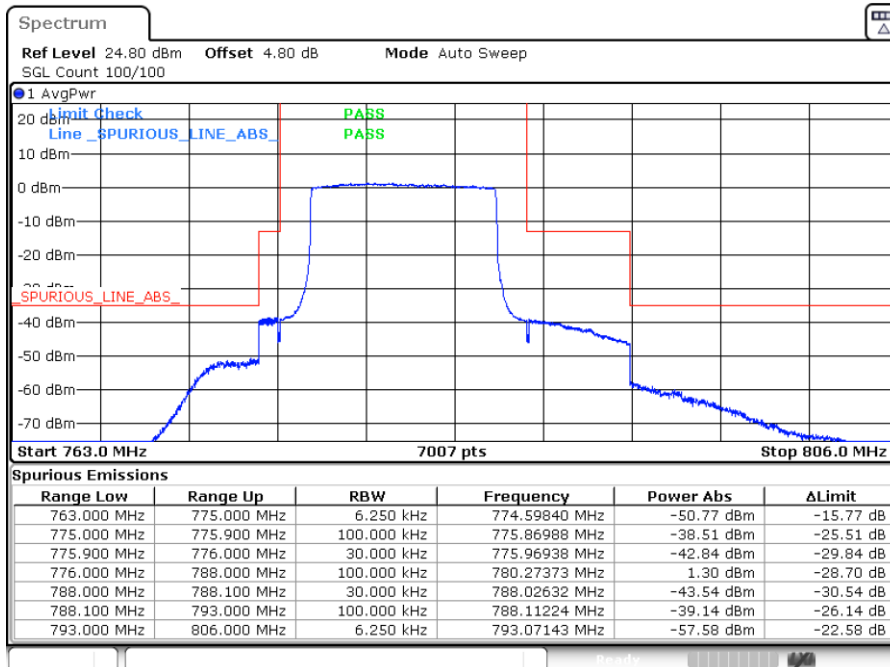
Date: 29.APR.2022 07:28:28

middle Band Edge / 1 RB



Date: 29.APR.2022 07:39:42

middle Band Edge / Full RB

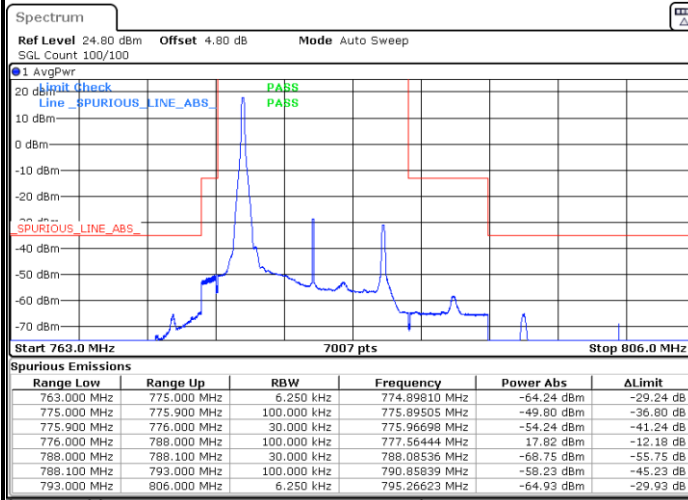


Date: 29.APR.2022 07:34:05



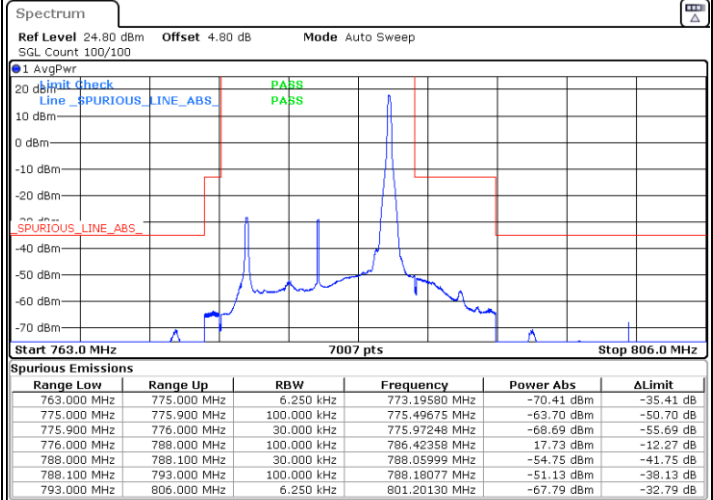
LTE Band 13 / 10MHz / 64QAM

middle Band Edge / 1 RB



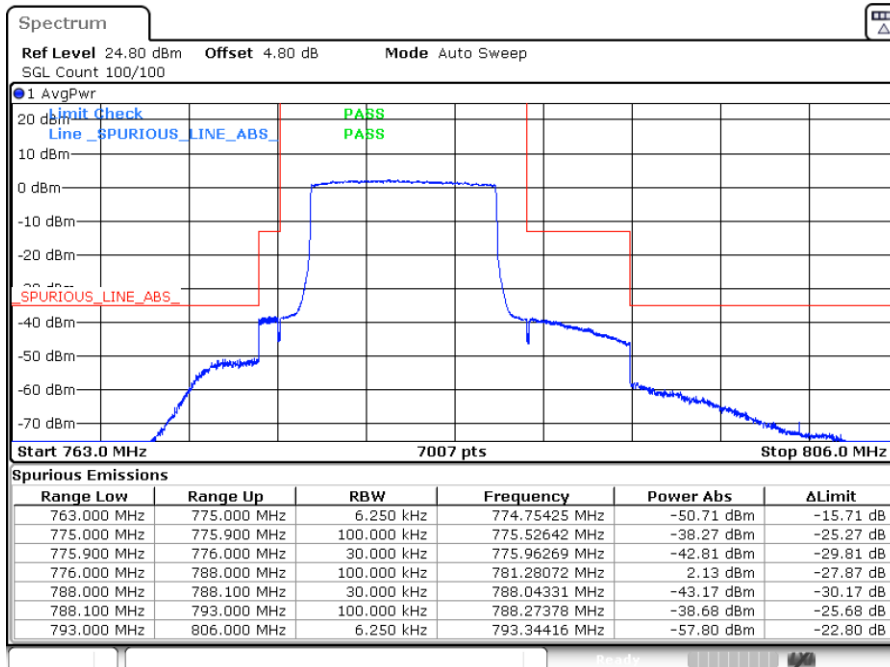
Date: 29.APR.2022 07:30:21

middle Band Edge / 1 RB



Date: 29.APR.2022 07:41:35

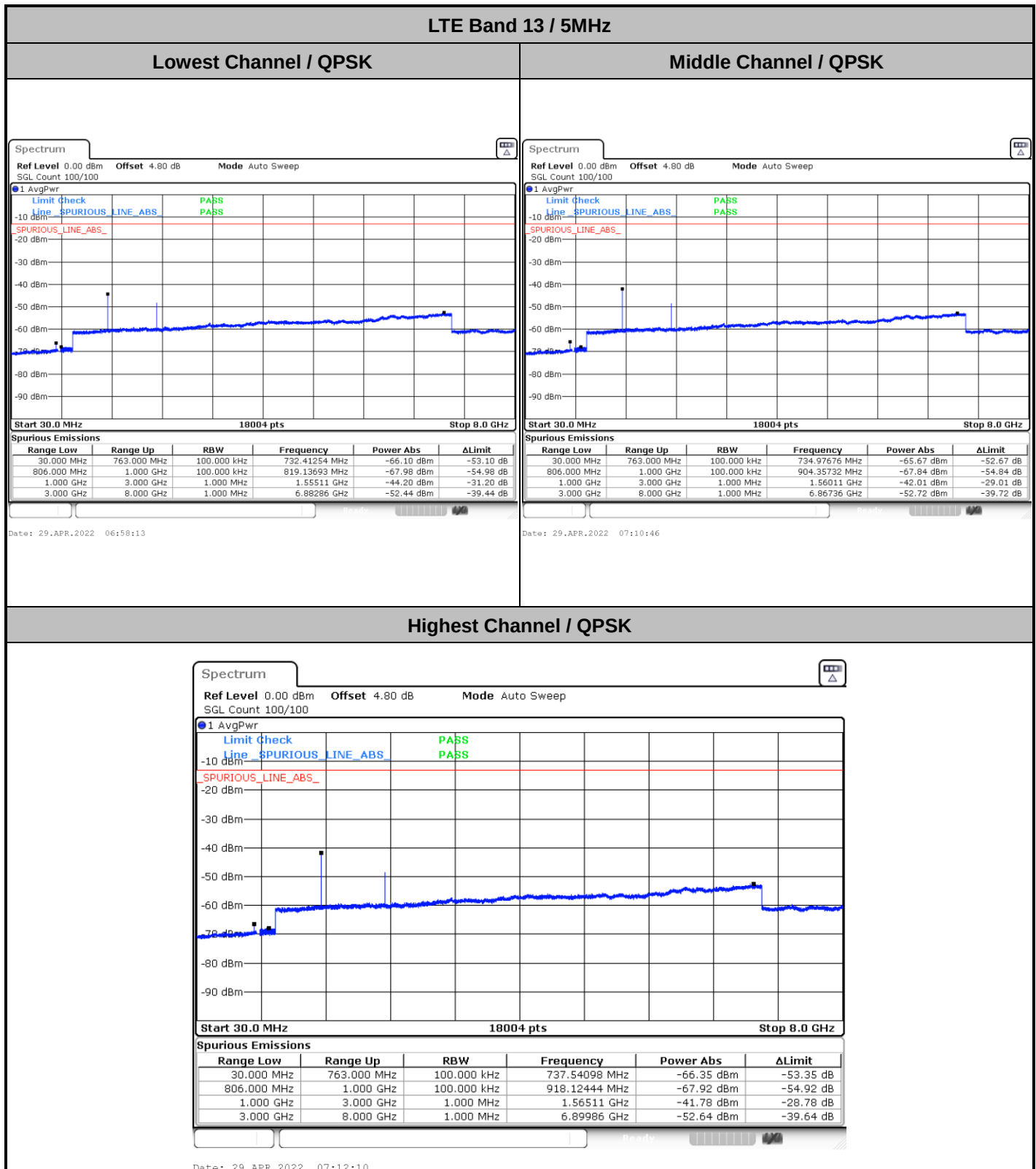
middle Band Edge / Full RB



Date: 29.APR.2022 07:32:13



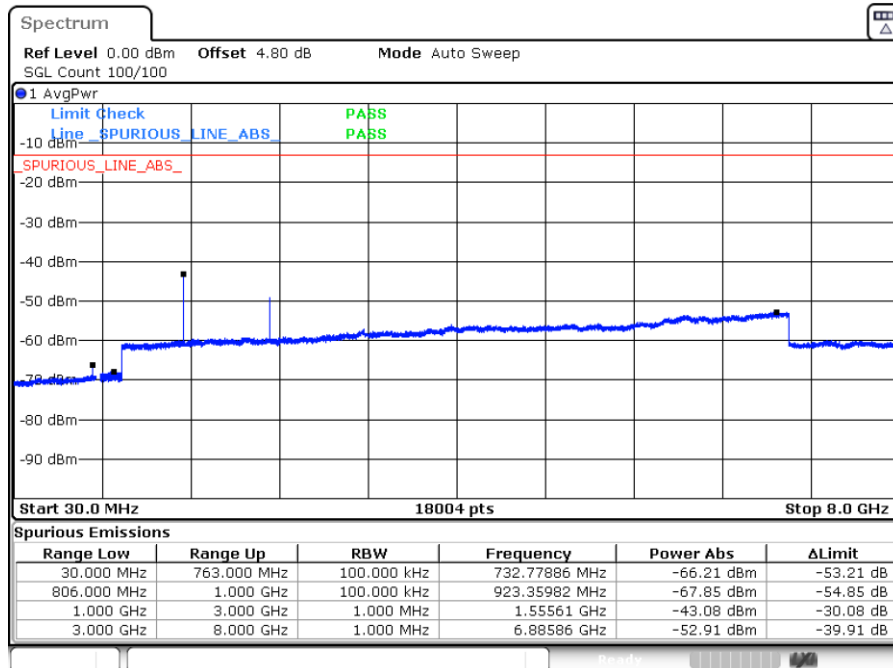
Conducted Spurious Emission





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 29.APR.2022 07:24:53

**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	0.0226	PASS
40	Normal Voltage	0.0136	
30	Normal Voltage	0.0116	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0066	
0	Normal Voltage	0.0084	
-10	Normal Voltage	0.0118	
-20	Normal Voltage	0.0055	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0092	
20	Normal Voltage	0.0081	
20	Battery End Point	0.0041	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 26

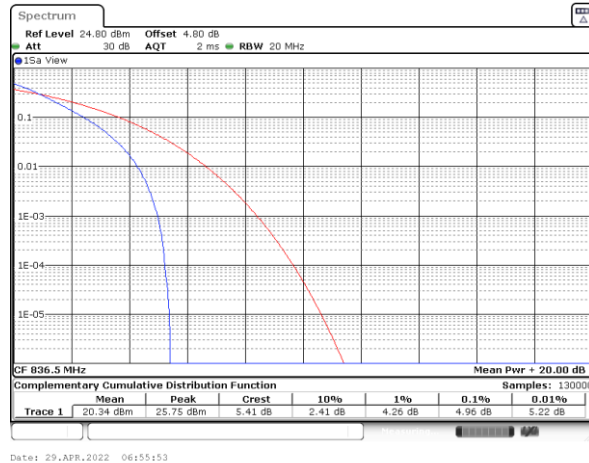
Peak-to-Average Ratio

Mode	LTE Band 26 / 15MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.96	5.91	5.86	PASS

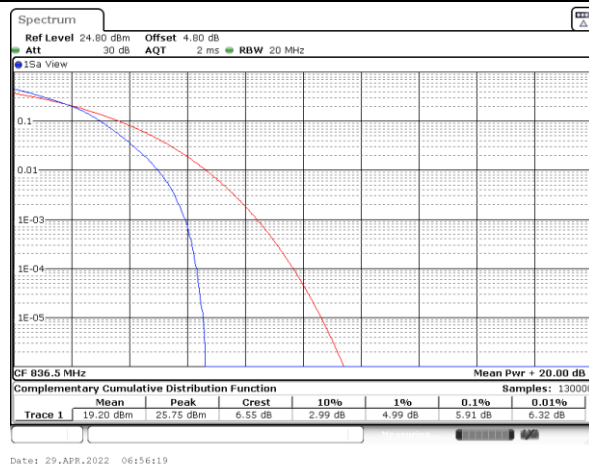


LTE Band 26 / 15MHz

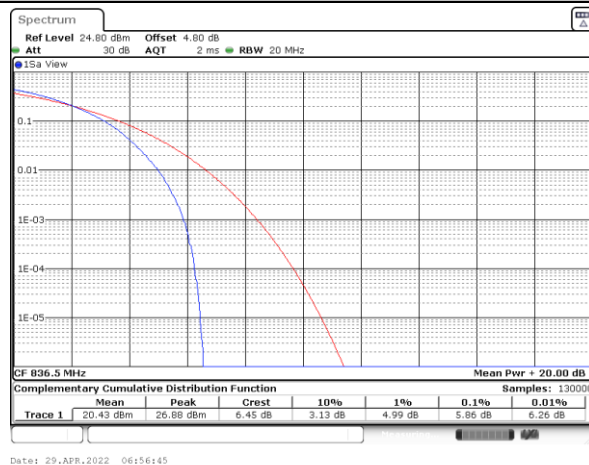
Middle Channel / Full RB/ QPSK



Middle Channel / Full RB/ 16QAM

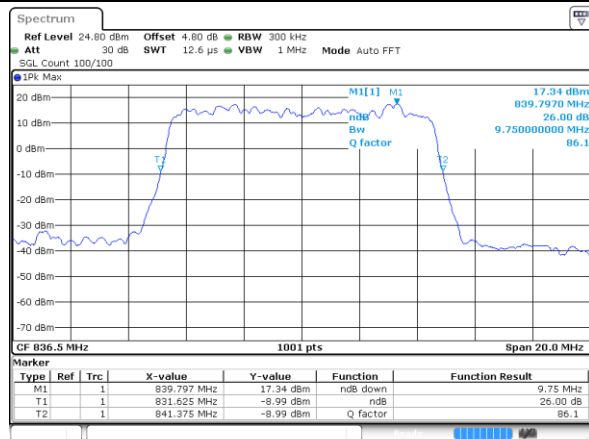
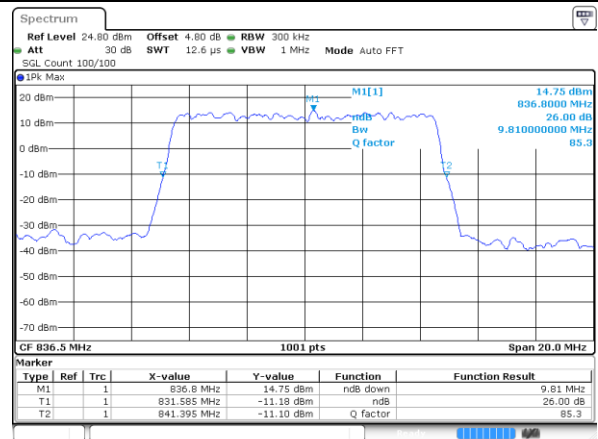
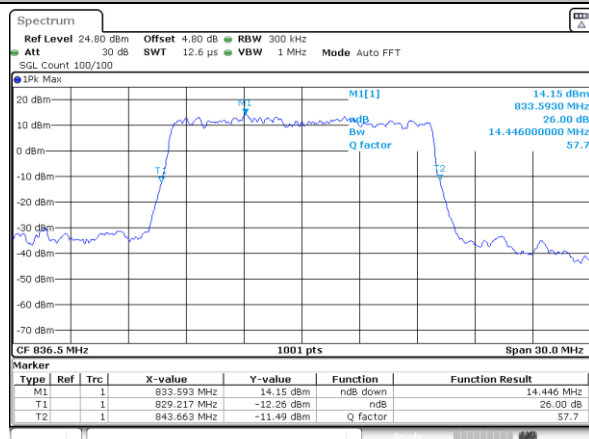
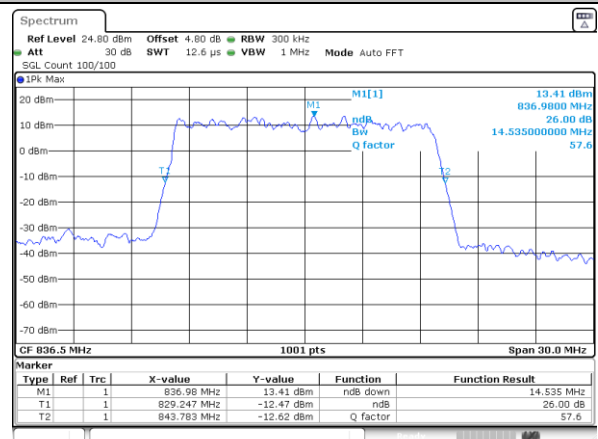


Middle Channel / Full RB/ 64QAM



**26dB Bandwidth**

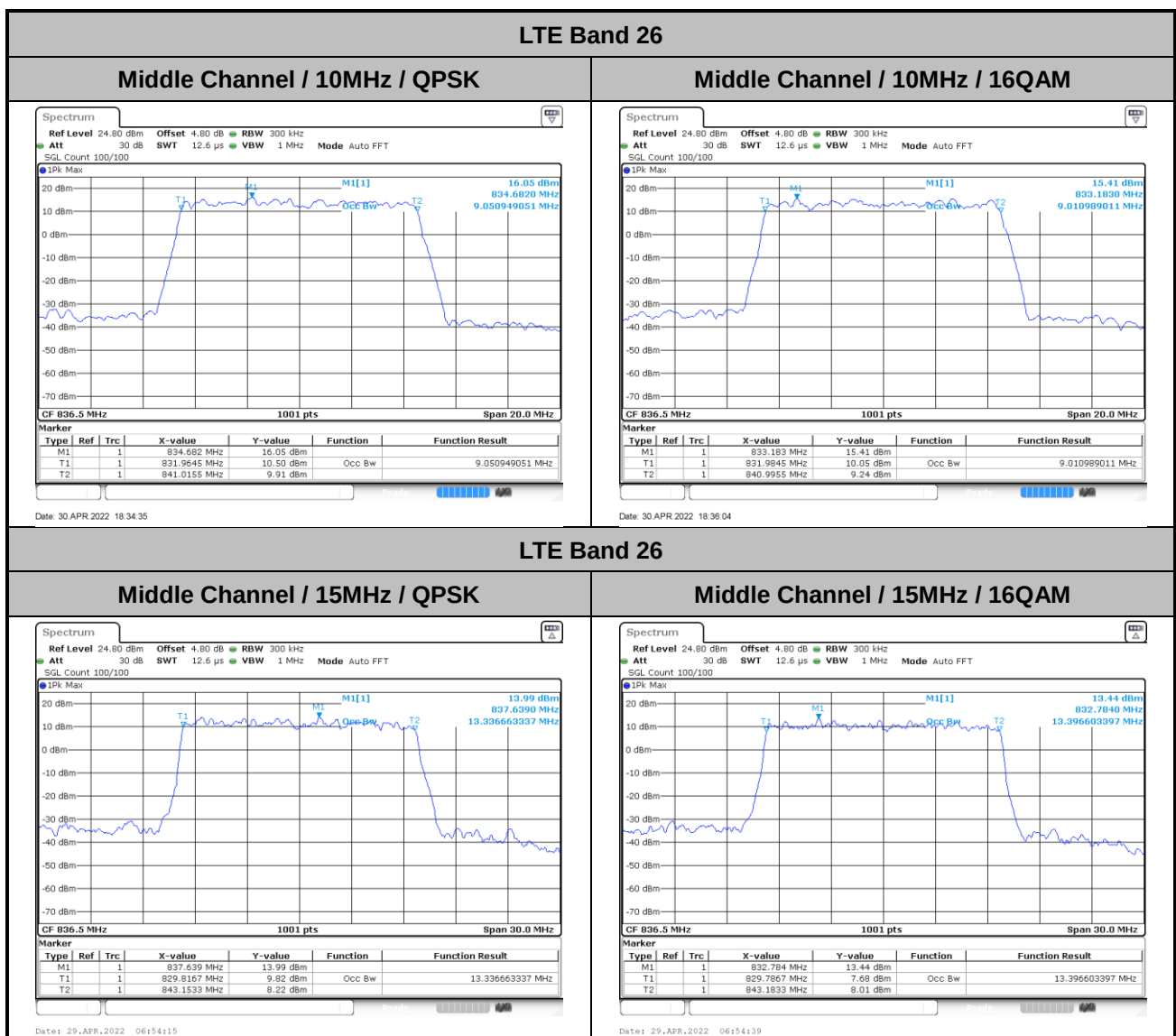
Mode	LTE Band 26 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.75	9.81
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.45	14.54

LTE Band 26**Middle Channel / 10MHz / QPSK****Middle Channel / 10MHz / 16QAM****LTE Band 26****Middle Channel / 15MHz / QPSK****Middle Channel / 15MHz / 16QAM**



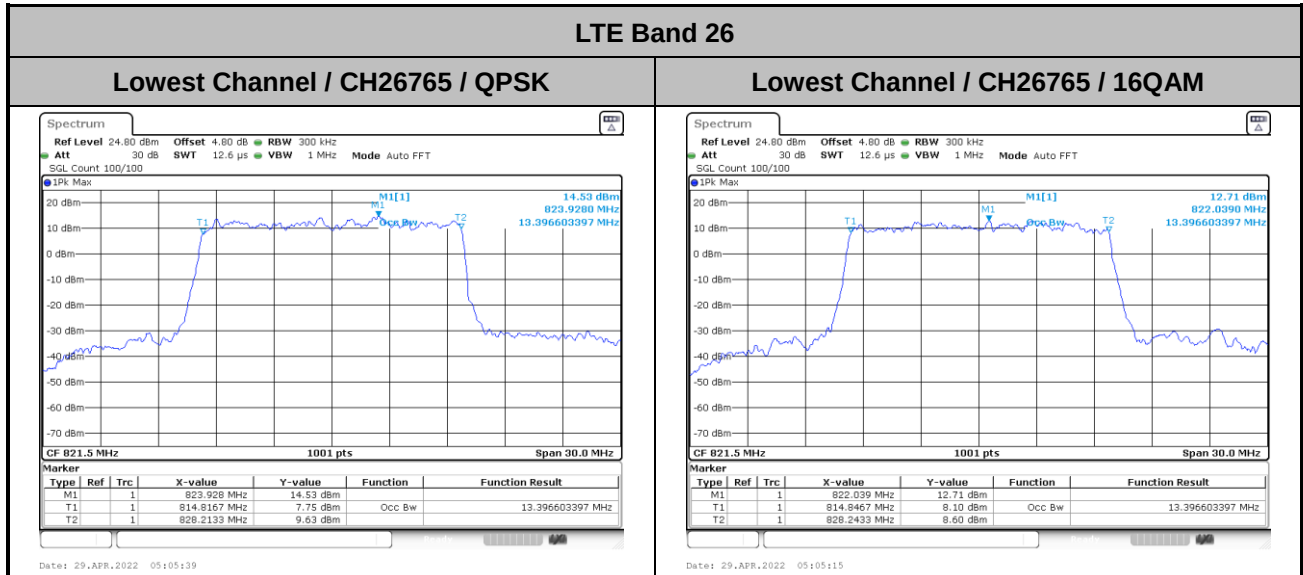
Occupied Bandwidth

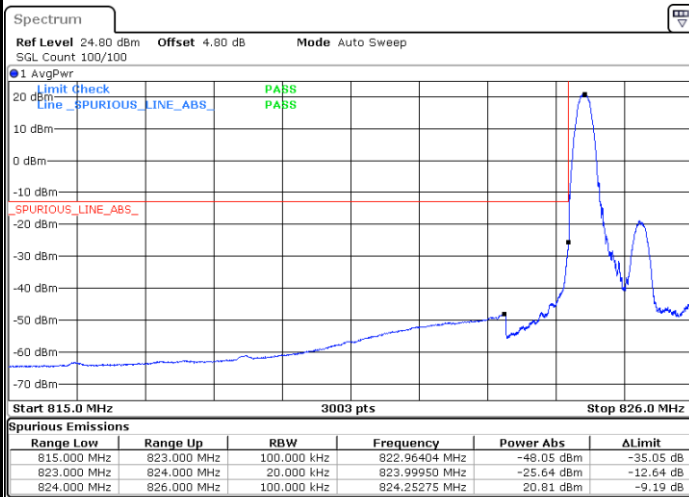
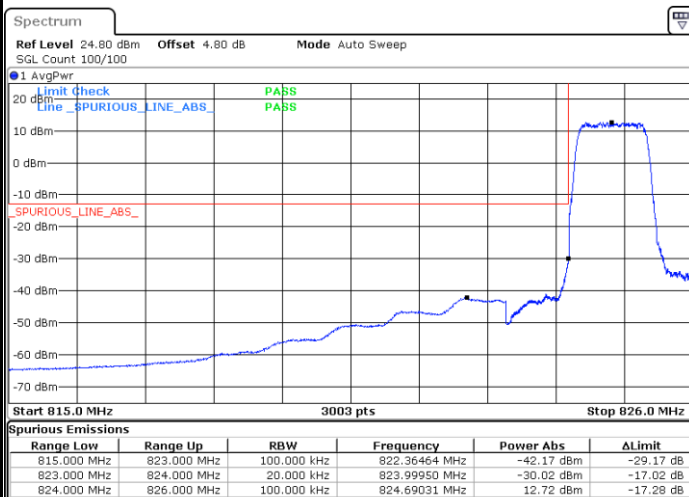
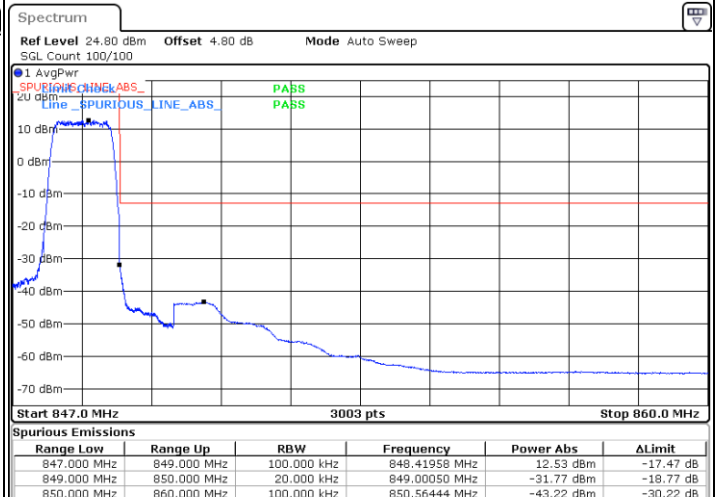
Mode	LTE Band 26 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.05	9.01
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.34	13.40





Mode	LTE Band 26 : 99%OBW(MHz)	
BW	CH26765	
Mod.	QPSK	16QAM
Low CH	13.40	13.40

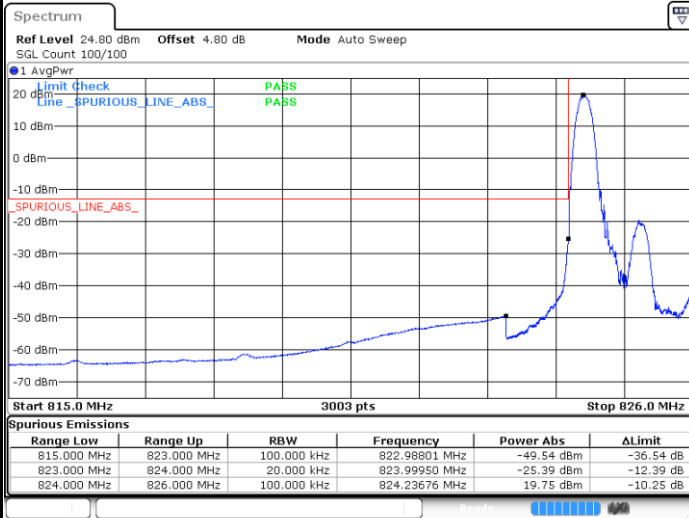


**Conducted Band Edge****LTE Band 26 / 1.4MHz / QPSK****Lowest Band Edge / 1RB****Highest Band Edge / 1RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

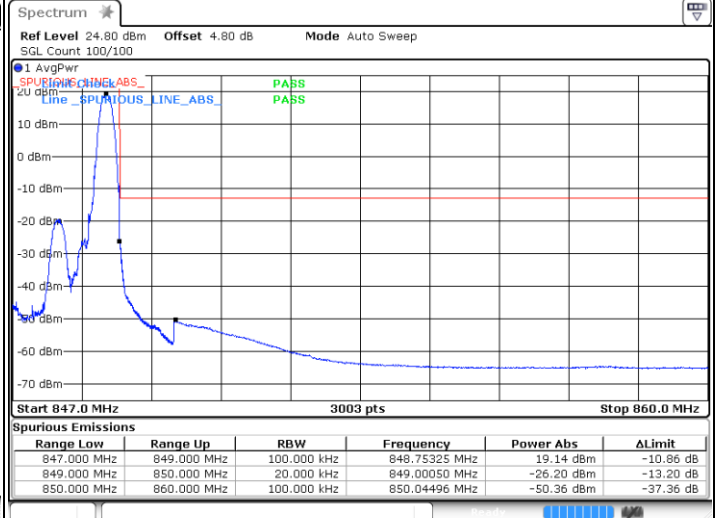


LTE Band 26 / 1.4MHz / 16QAM

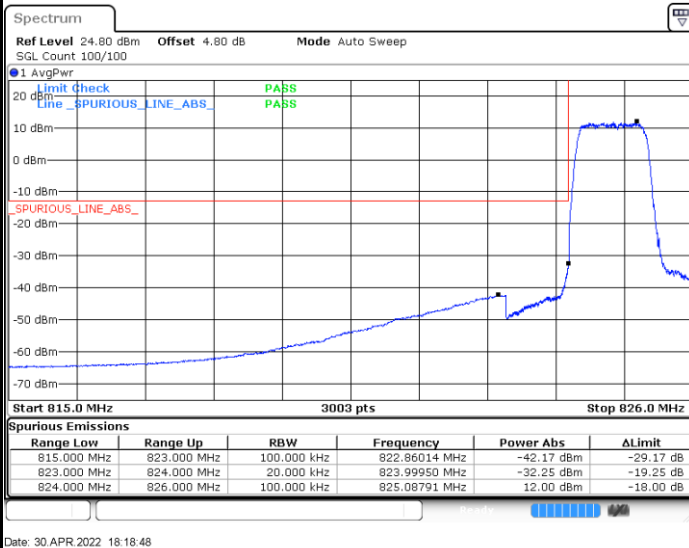
Lowest Band Edge / 1 RB



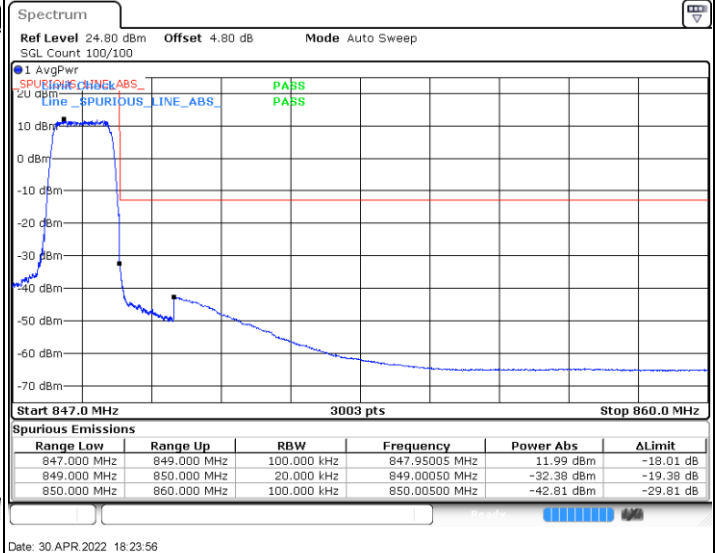
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



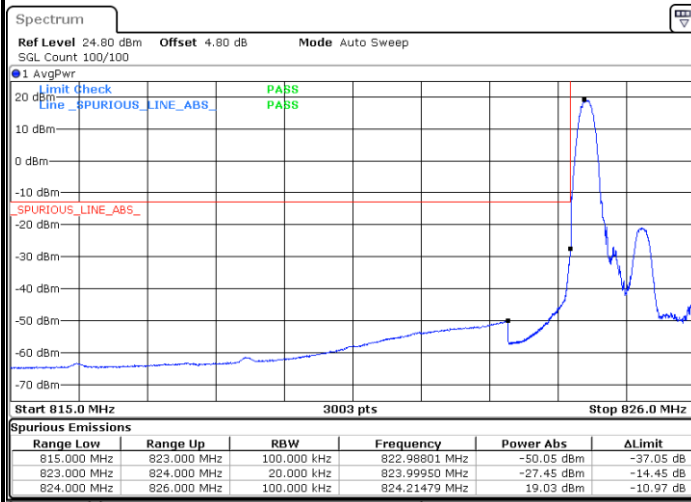
Highest Band Edge / Full RB



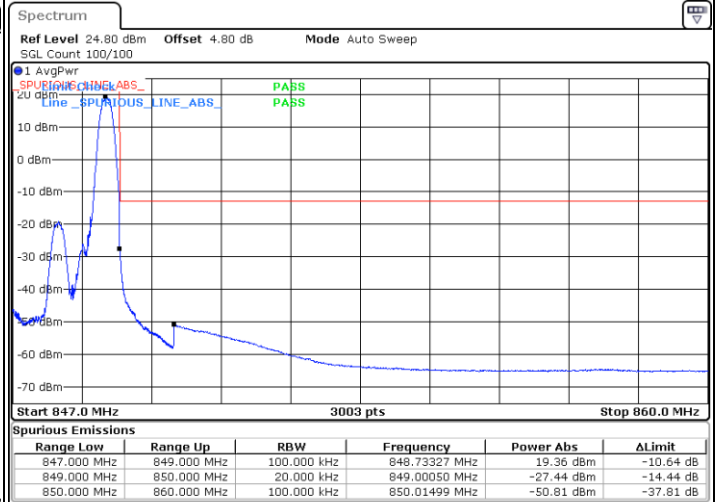


LTE Band 26 / 1.4MHz / 64QAM

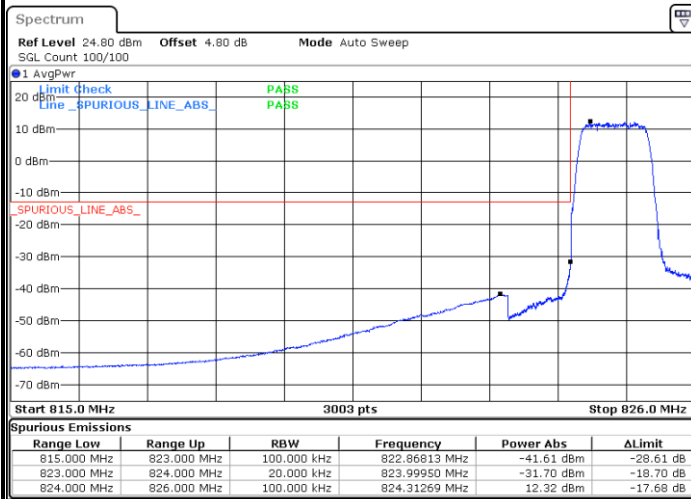
Lowest Band Edge / 1 RB



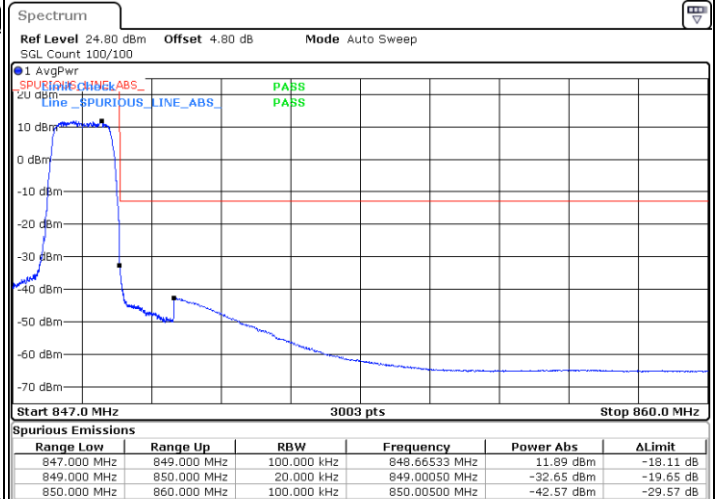
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



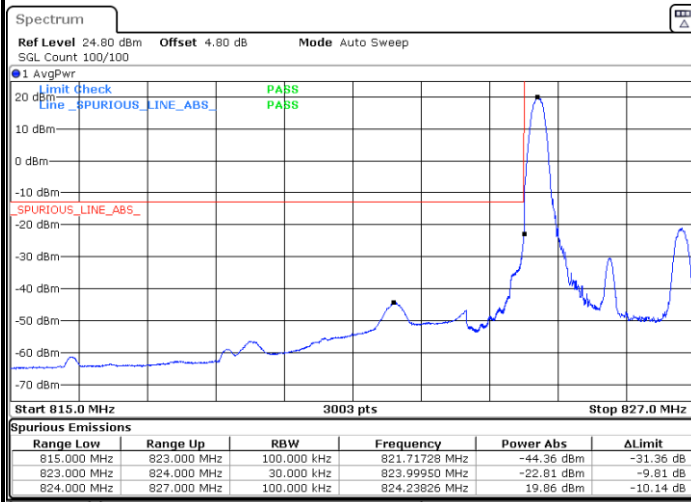
Highest Band Edge / Full RB



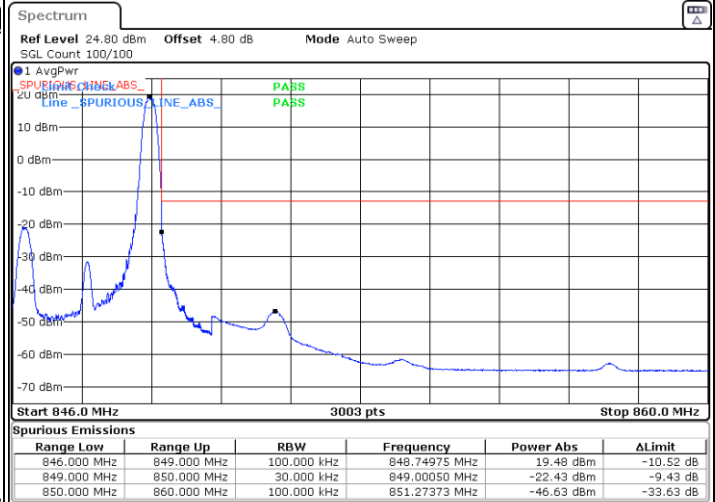


LTE Band 26 / 3MHz / QPSK

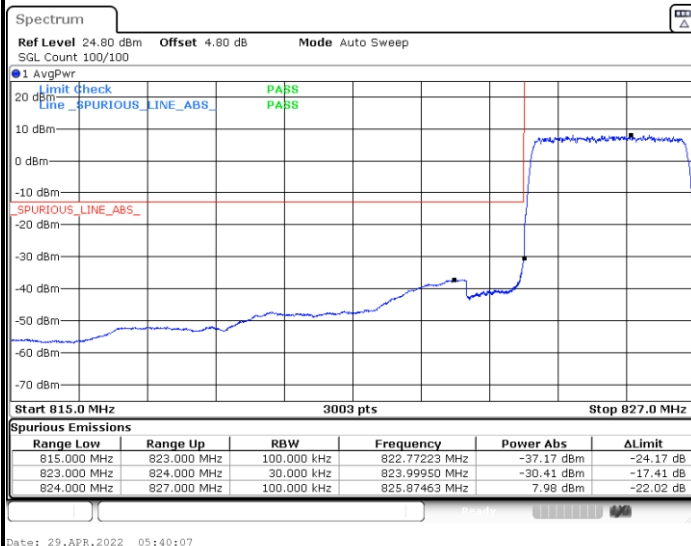
Lowest Band Edge / 1RB



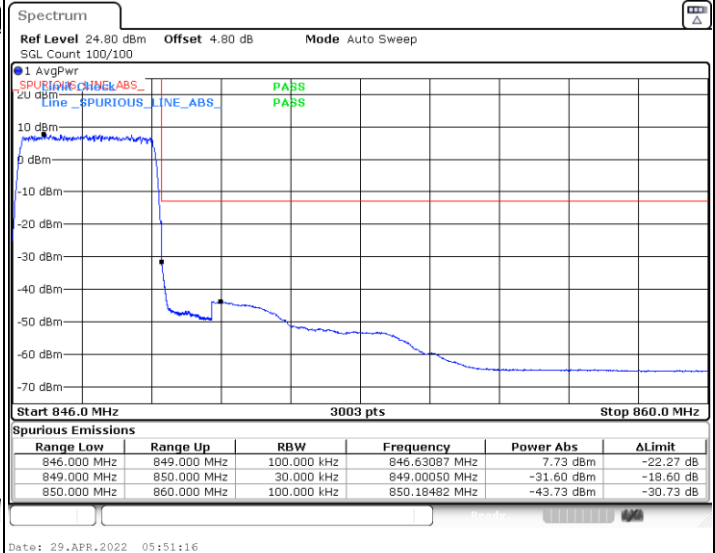
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



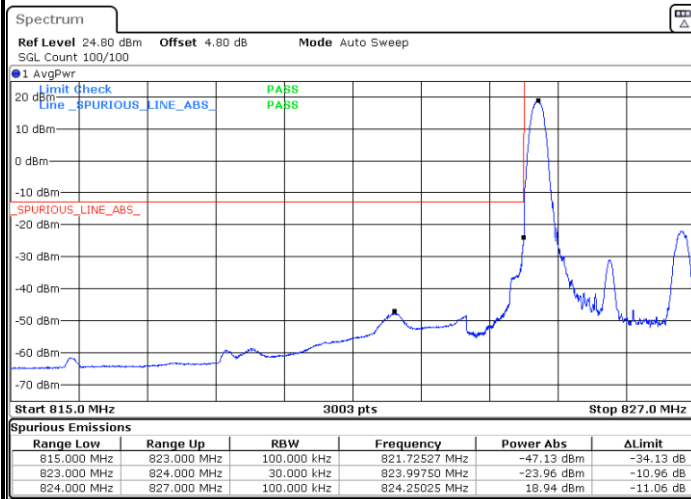
Highest Band Edge / Full RB



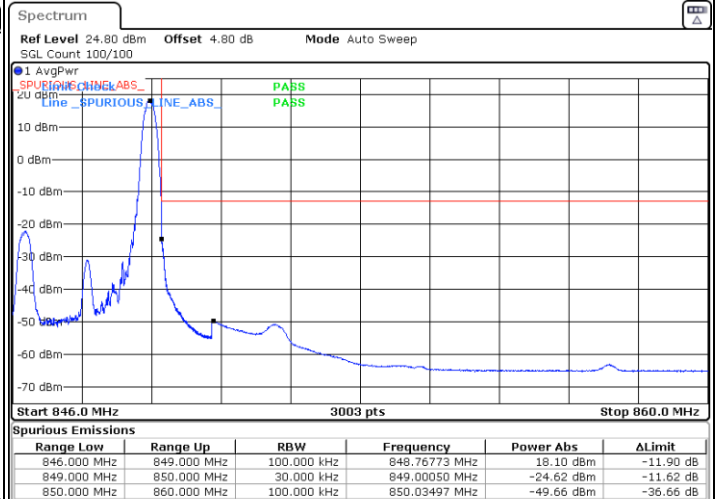


LTE Band 26 / 3MHz / 16QAM

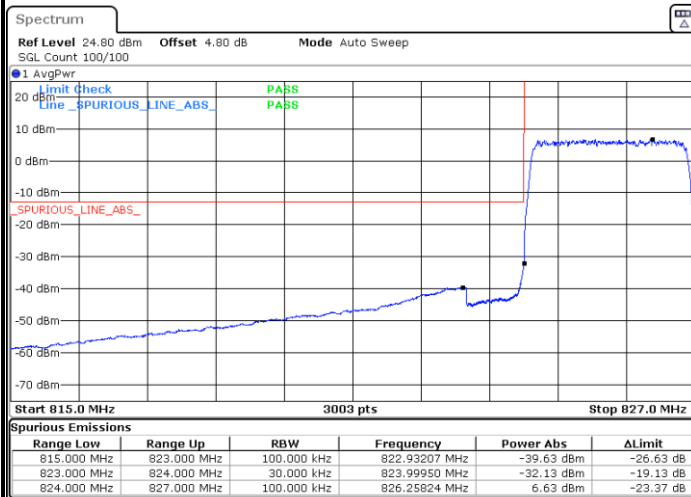
Lowest Band Edge / 1 RB



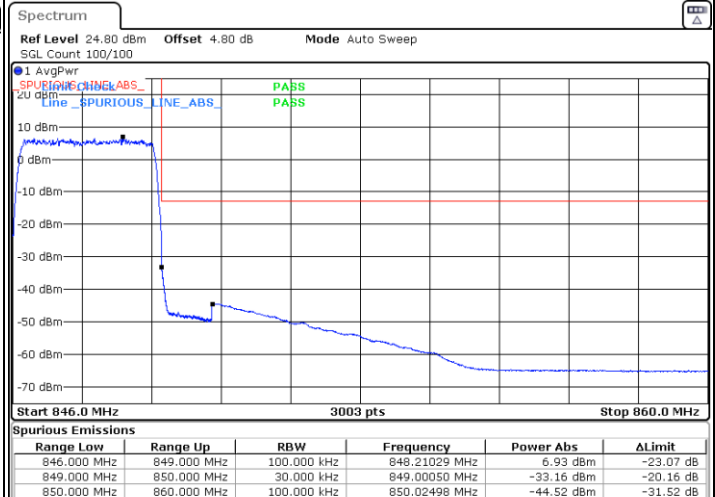
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



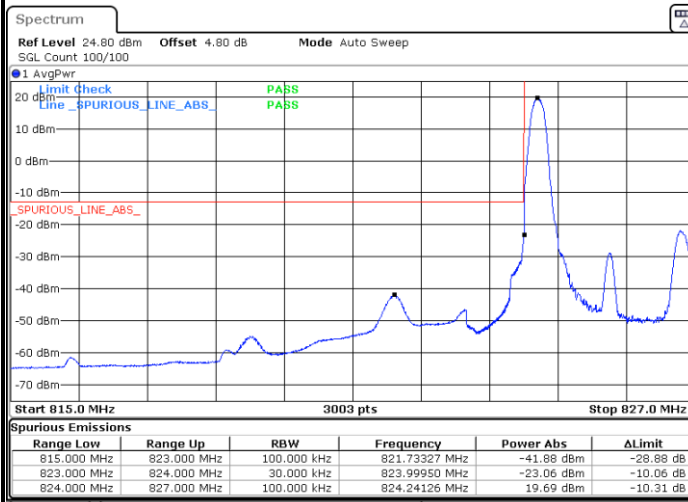
Highest Band Edge / Full RB



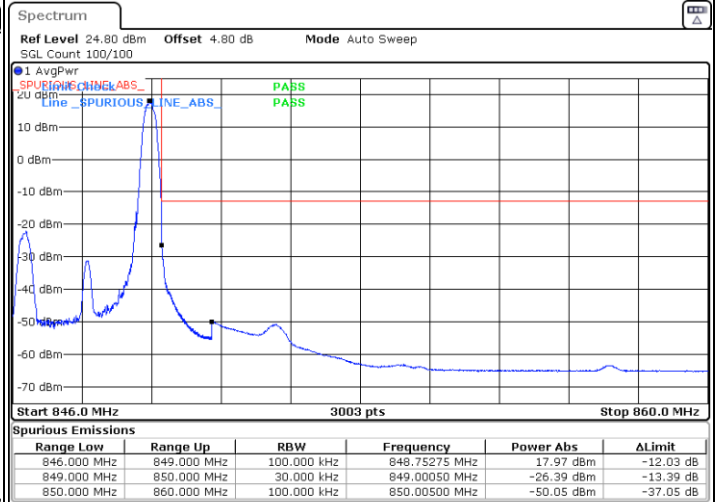


LTE Band 26 / 3MHz / 64QAM

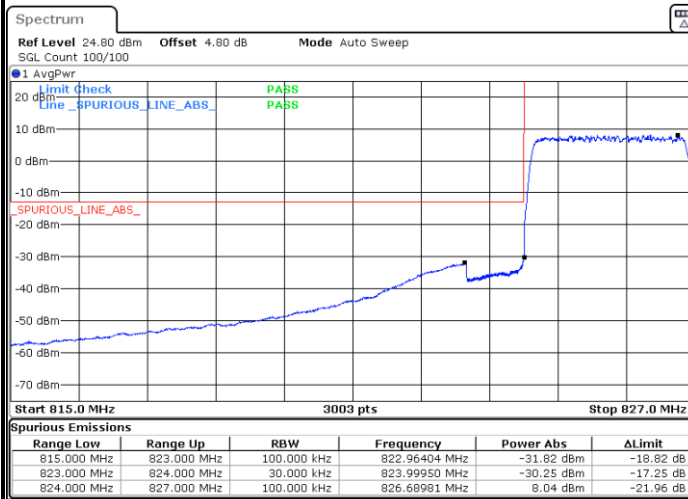
Lowest Band Edge / 1 RB



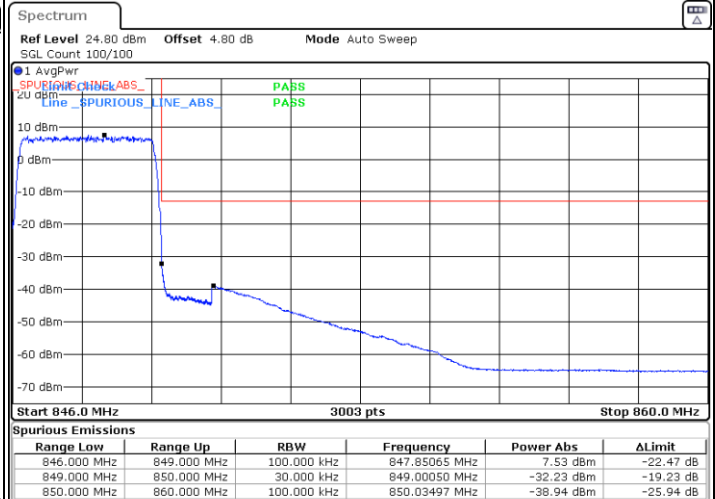
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



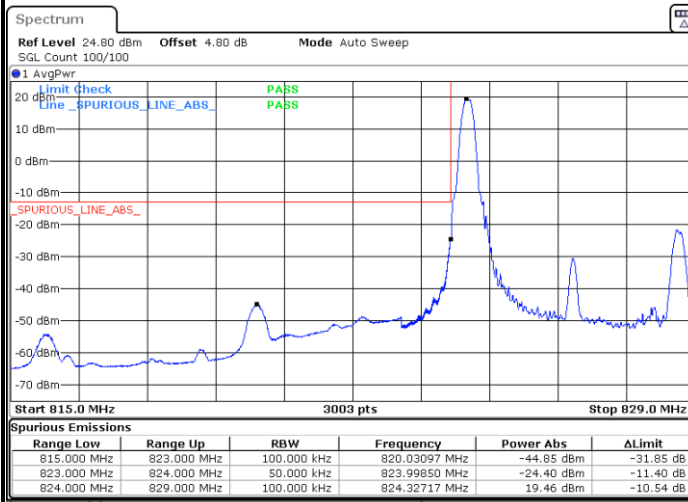
Highest Band Edge / Full RB



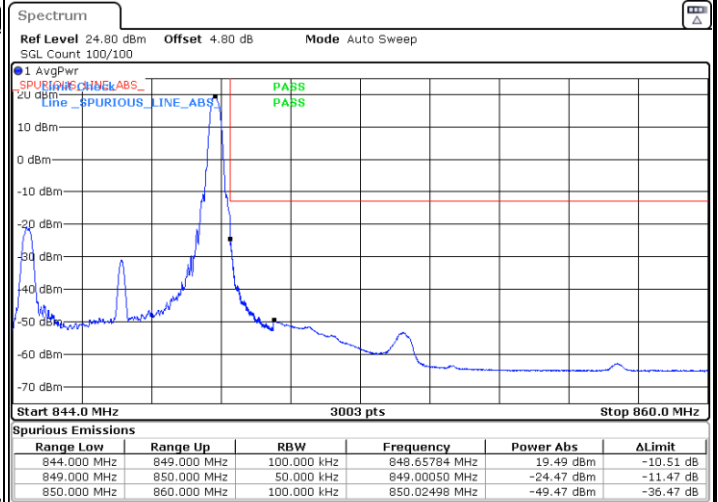


LTE Band 26 / 5MHz / QPSK

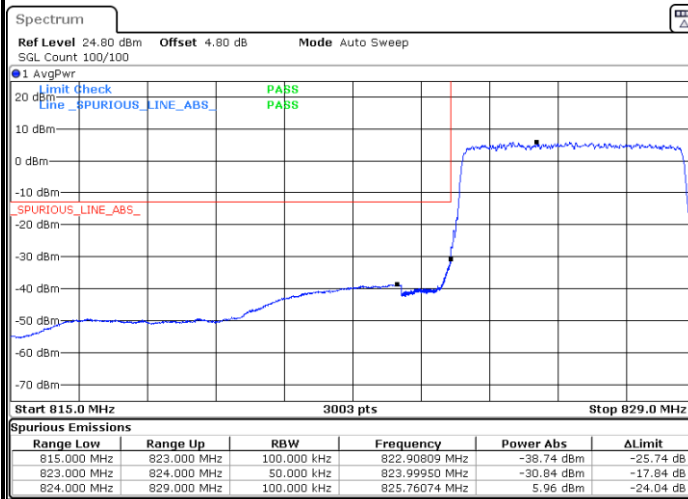
Lowest Band Edge / 1 RB



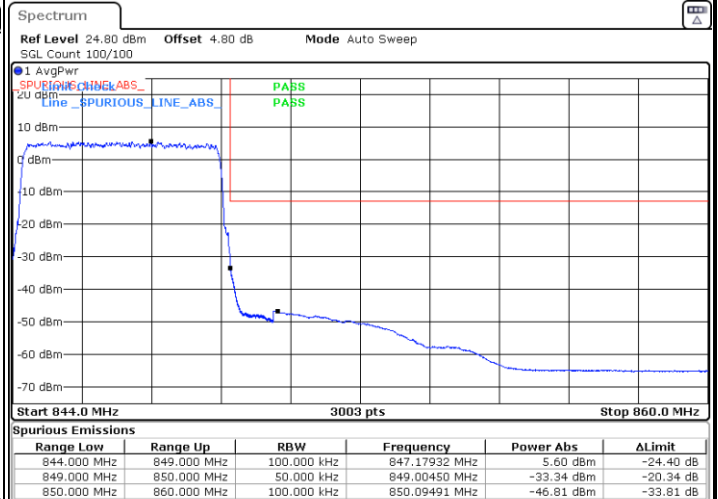
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



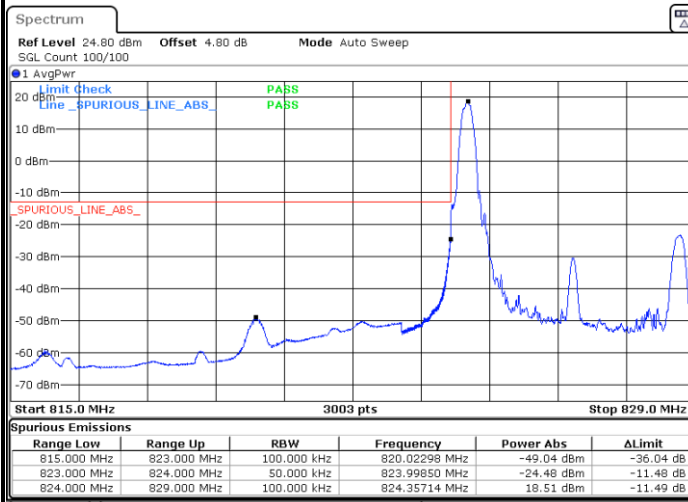
Highest Band Edge / Full RB





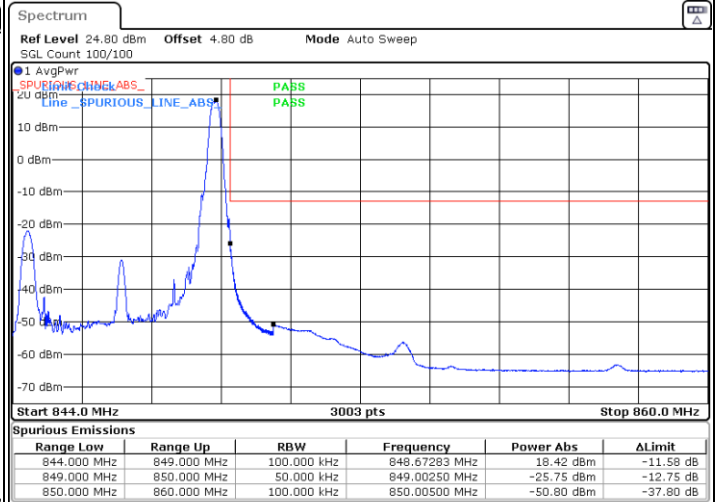
LTE Band 26 / 5MHz / 16QAM

Lowest Band Edge / 1RB



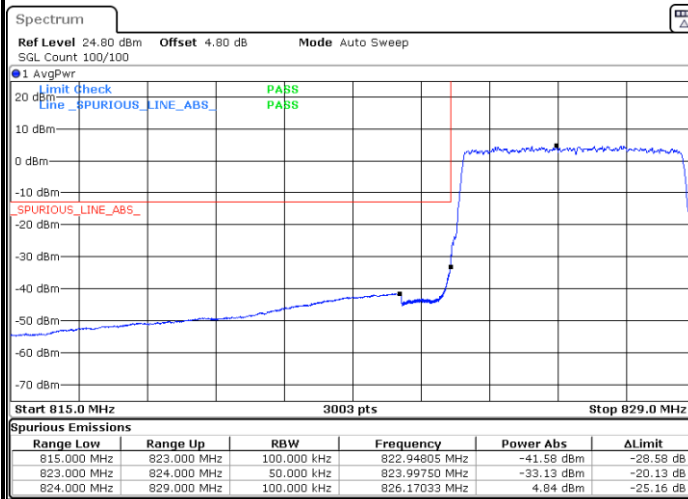
Date: 29.APR.2022 05:55:19

Highest Band Edge / 1 RB



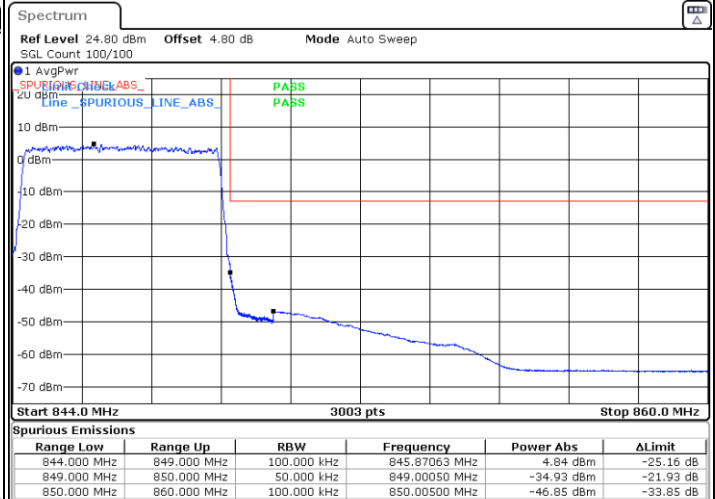
Date: 29.APR.2022 06:06:27

Lowest Band Edge / Full RB



Date: 29.APR.2022 05:59:28

Highest Band Edge / Full RB

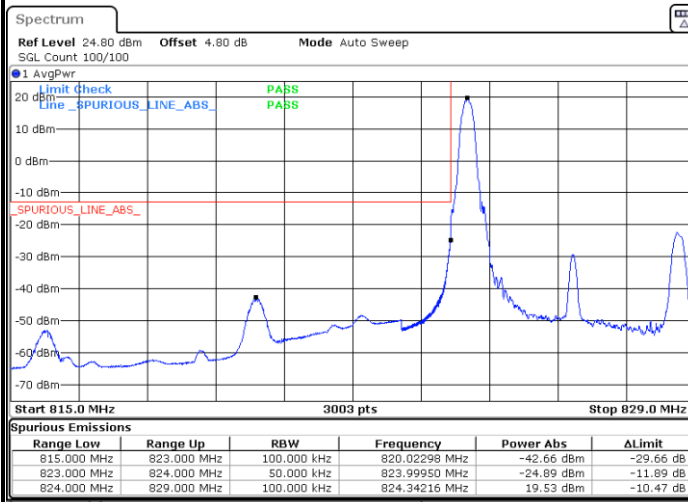


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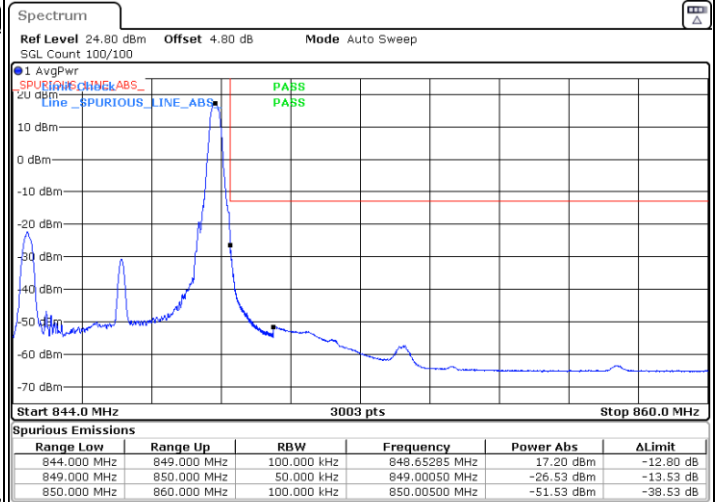


LTE Band 26 / 5MHz / 64QAM

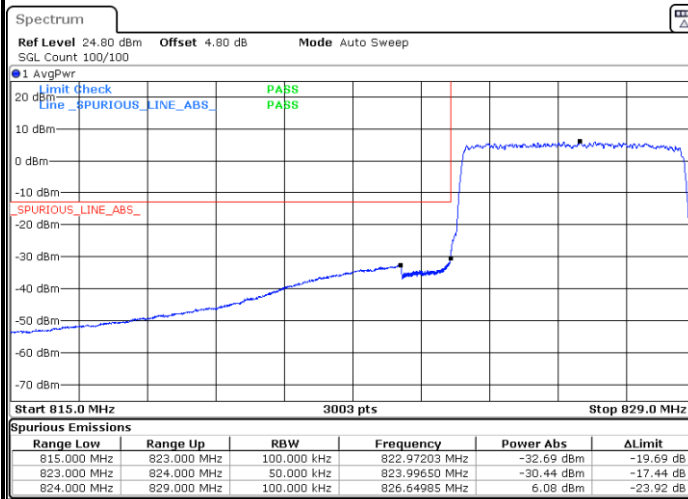
Lowest Band Edge / 1RB



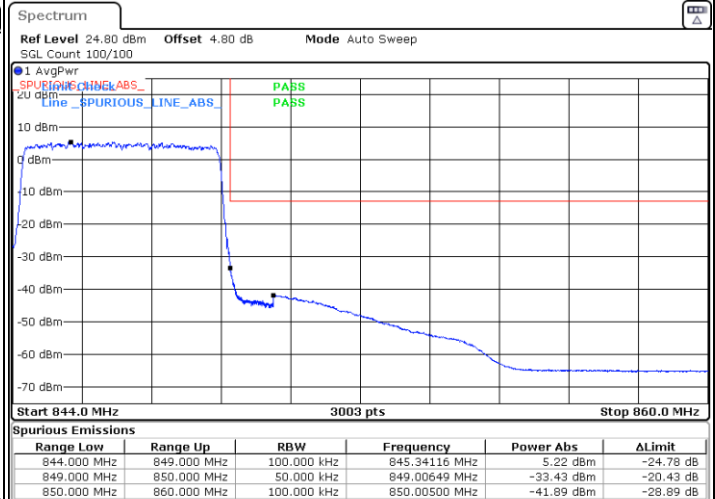
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



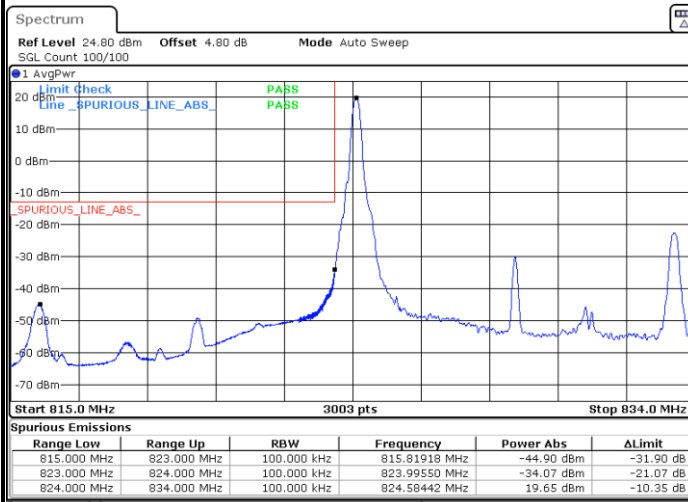
Highest Band Edge / Full RB



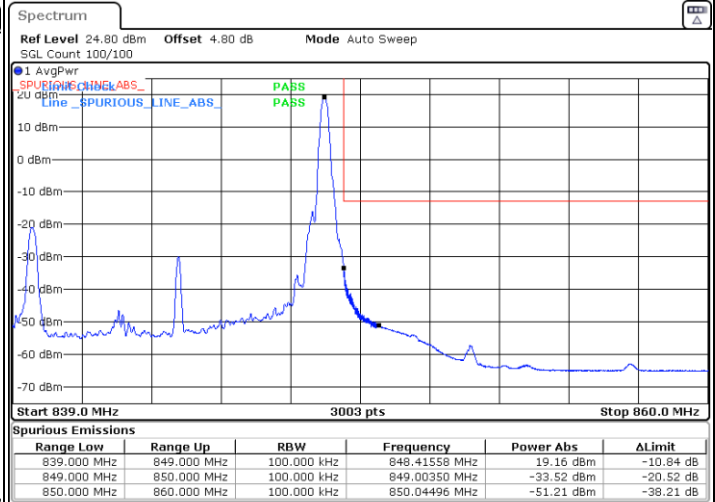


LTE Band 26 / 10MHz / QPSK

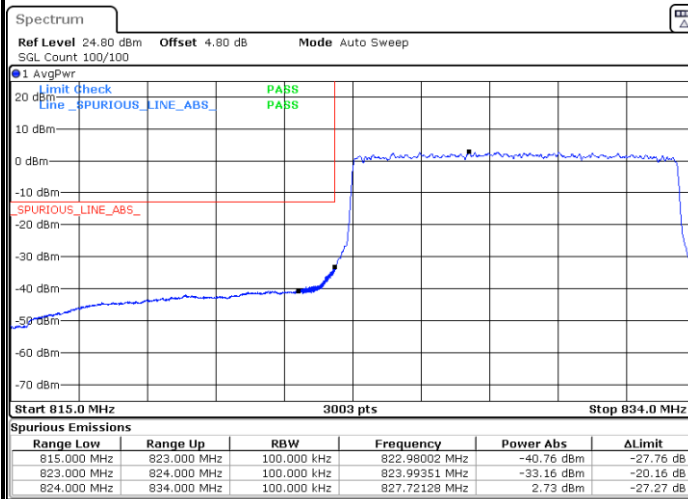
Lowest Band Edge / 1 RB



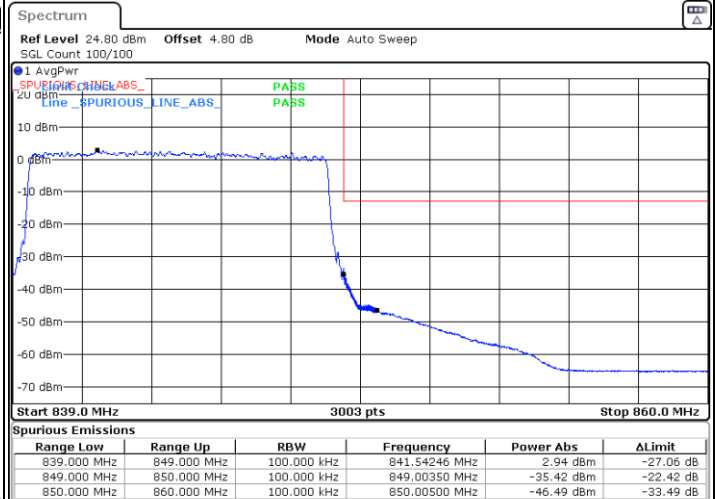
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



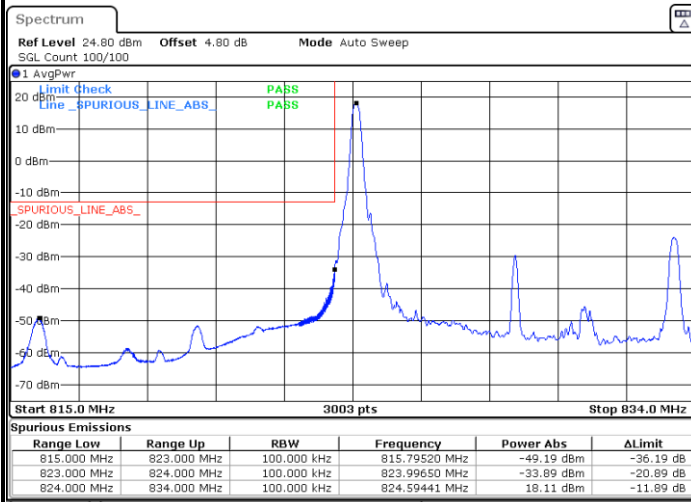
Highest Band Edge / Full RB



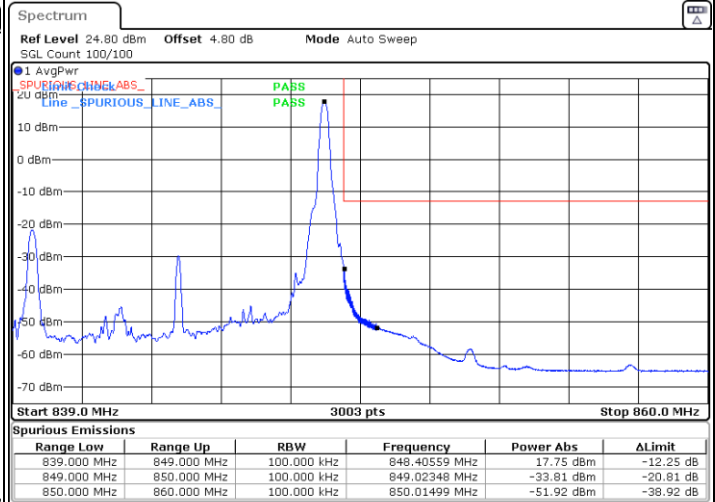


LTE Band 26 / 10MHz / 16QAM

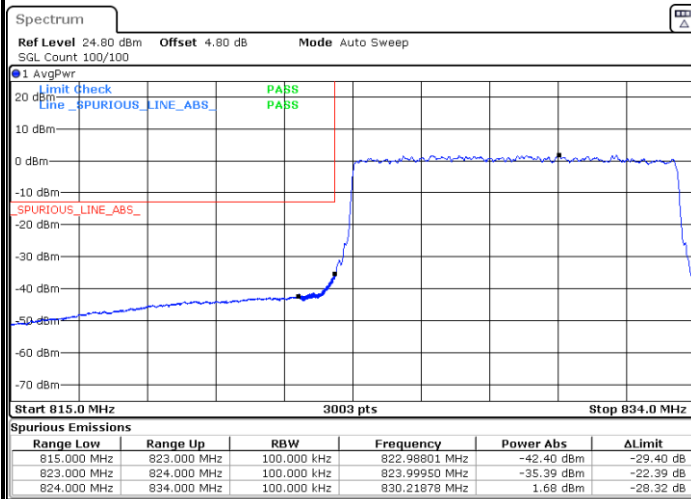
Lowest Band Edge / 1 RB



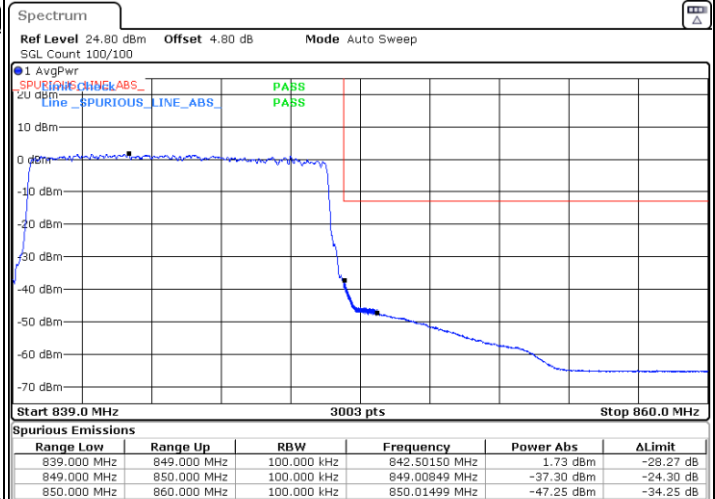
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



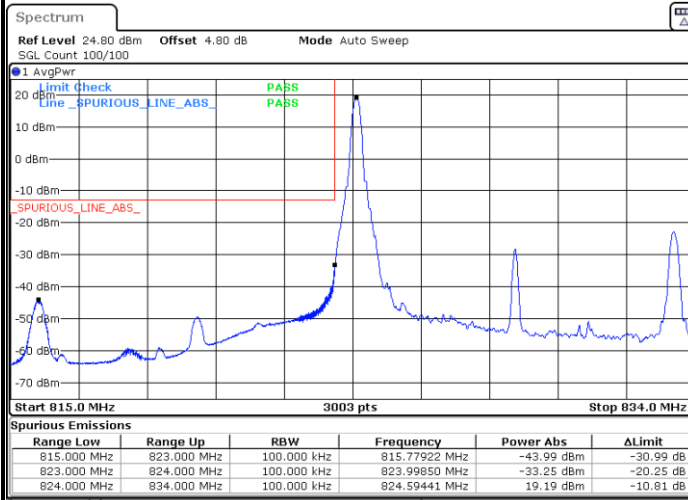
Highest Band Edge / Full RB



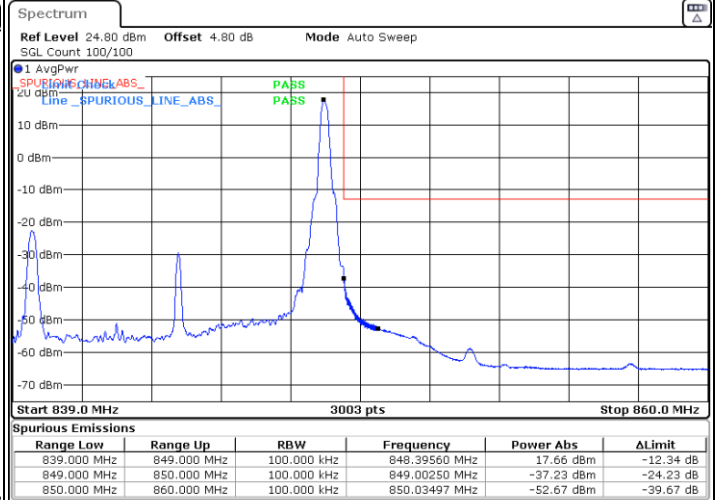


LTE Band 26 / 10MHz / 64QAM

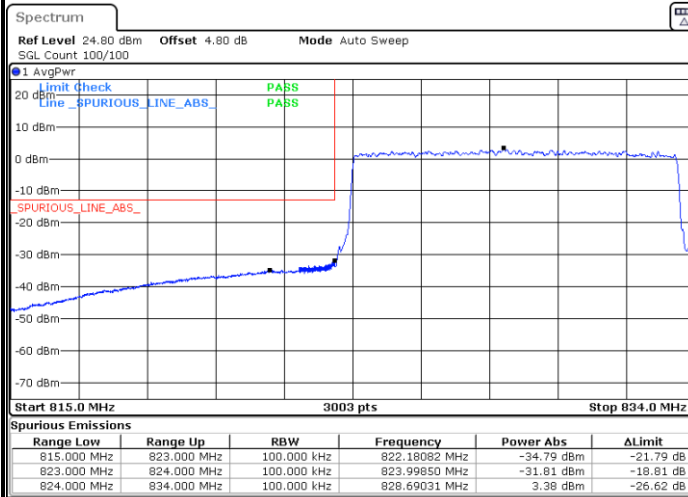
Lowest Band Edge / 1 RB



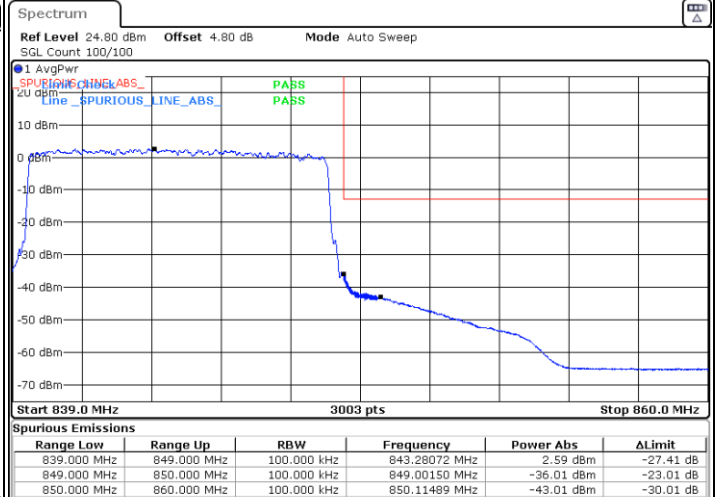
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



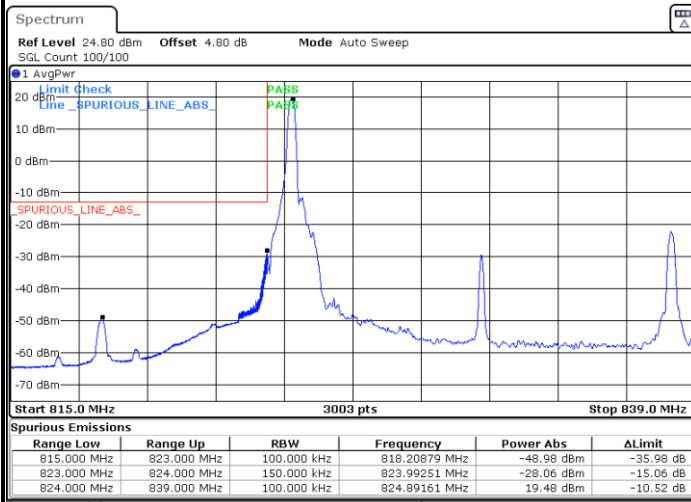
Highest Band Edge / Full RB



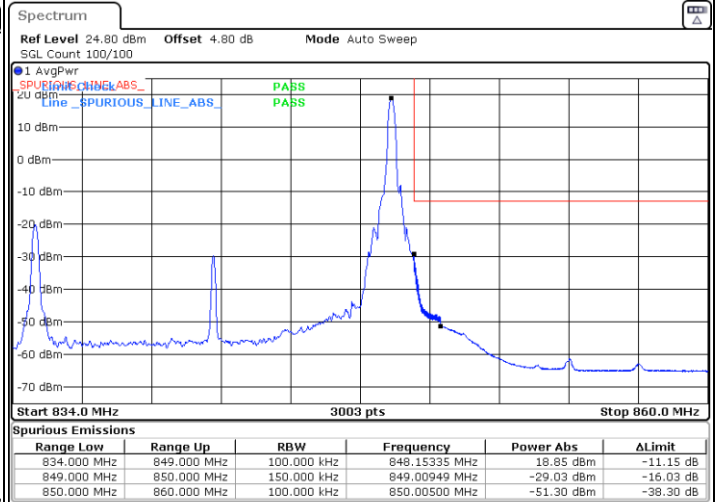


LTE Band 26 / 15MHz / QPSK

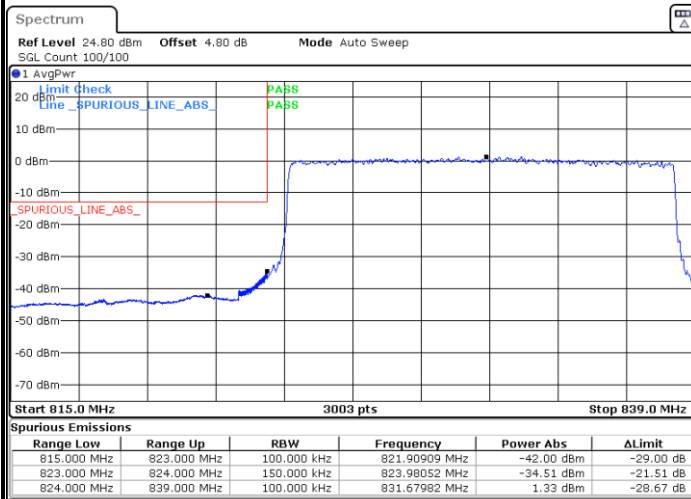
Lowest Band Edge / 1 RB



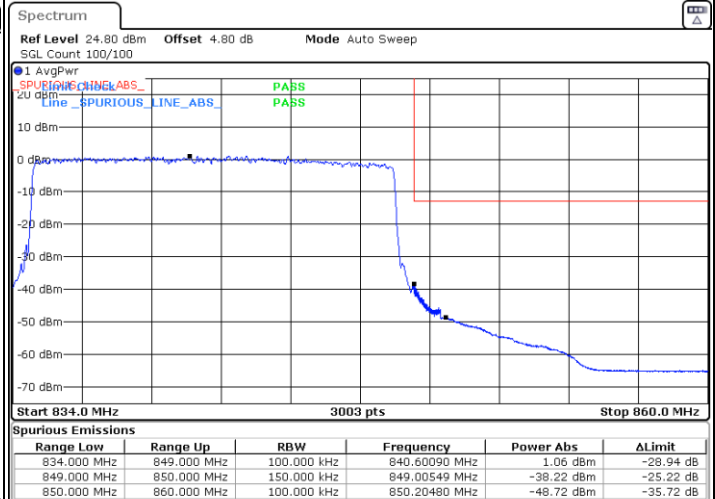
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



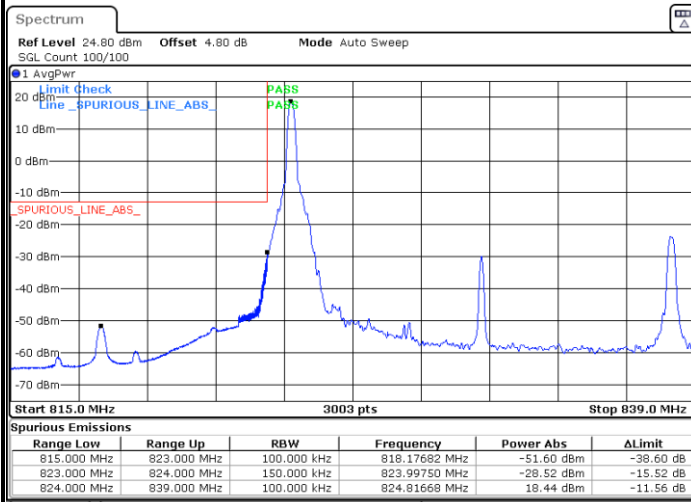
Highest Band Edge / Full RB



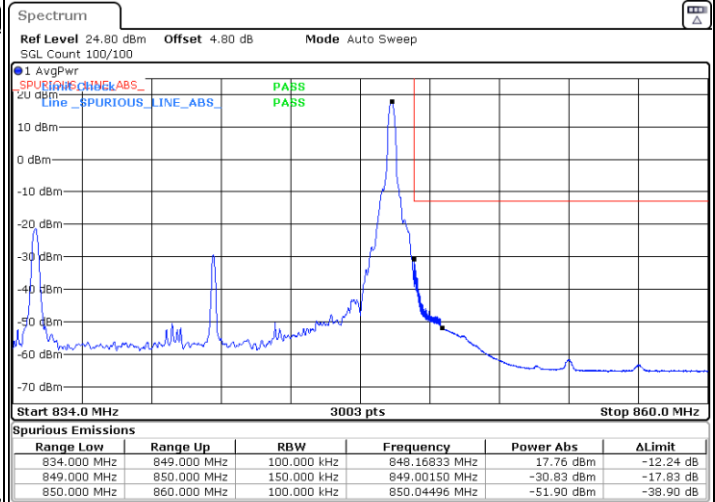


LTE Band 26 / 15MHz / 16QAM

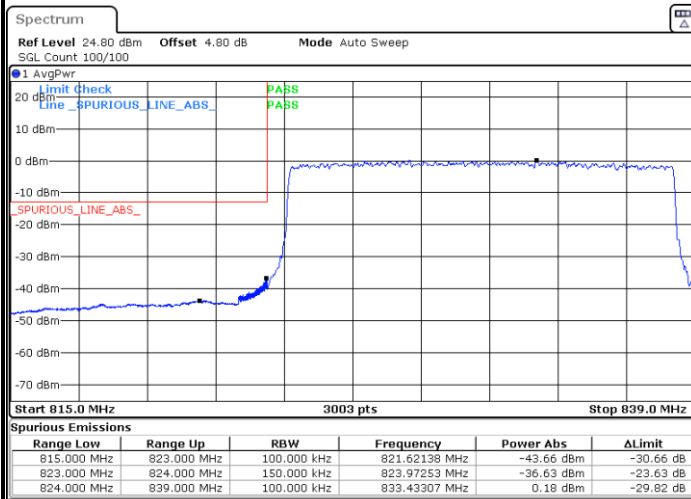
Lowest Band Edge / 1 RB



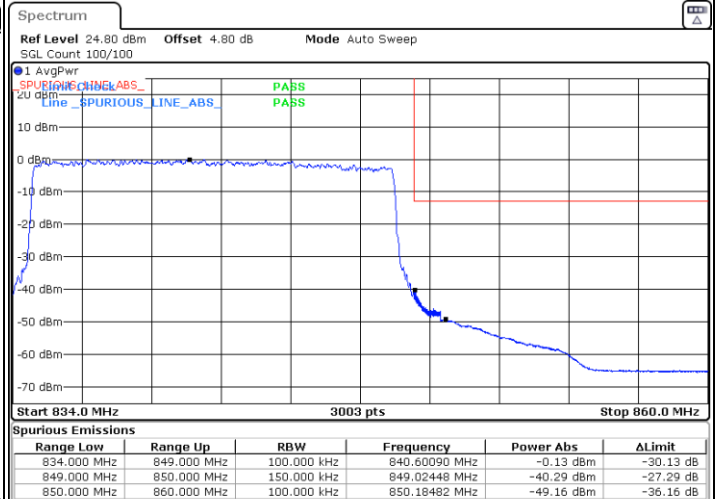
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



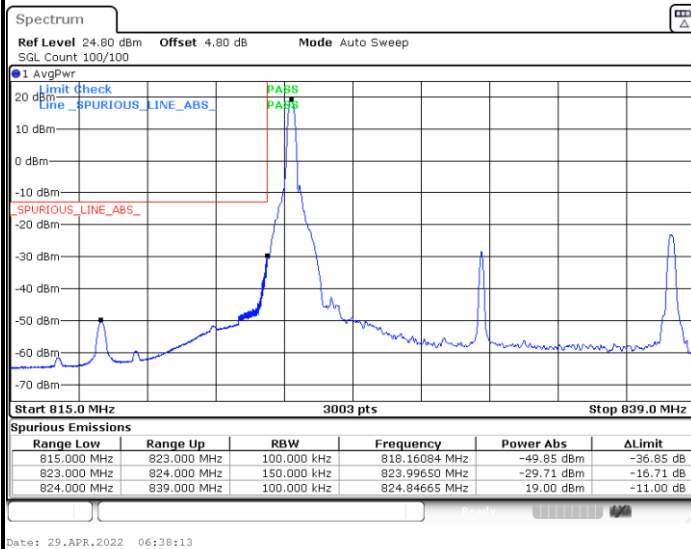
Highest Band Edge / Full RB



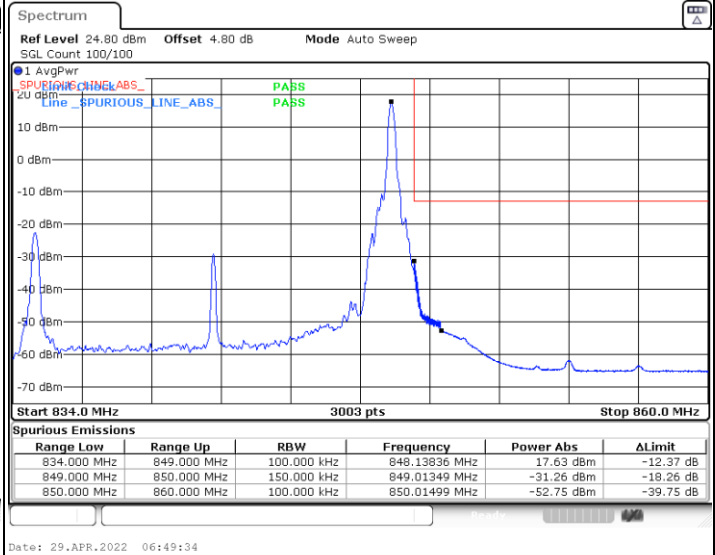


LTE Band 26 / 15MHz / 64QAM

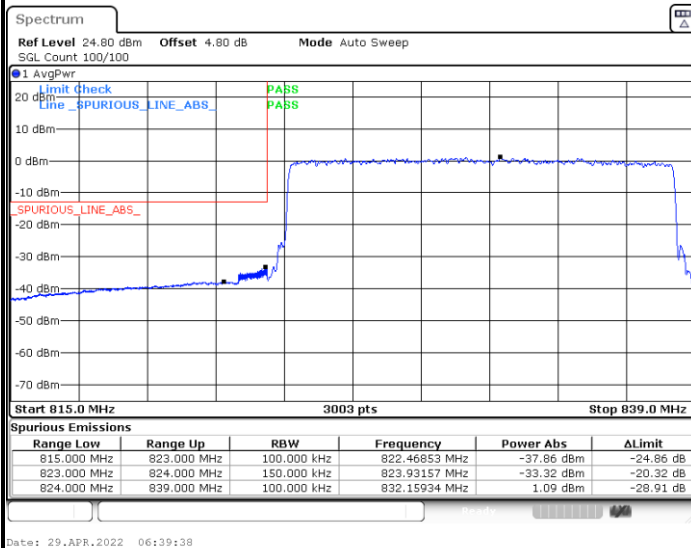
Lowest Band Edge / 1 RB



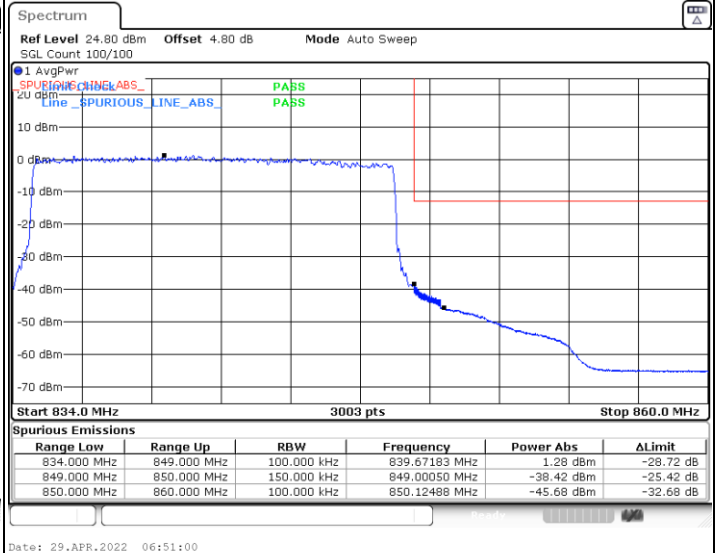
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

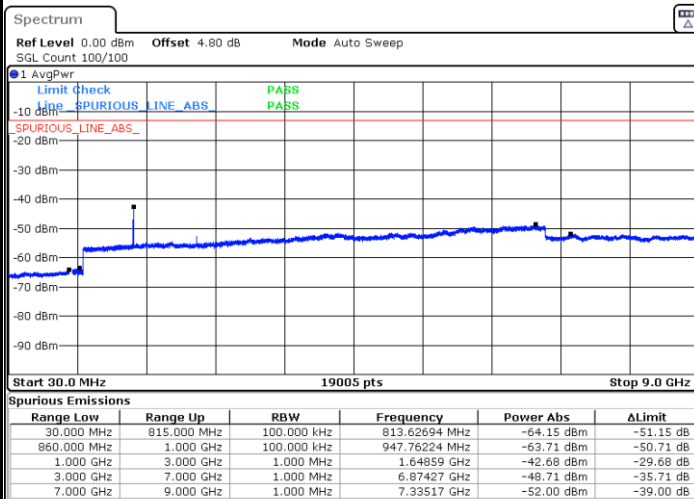




Conducted Spurious Emission

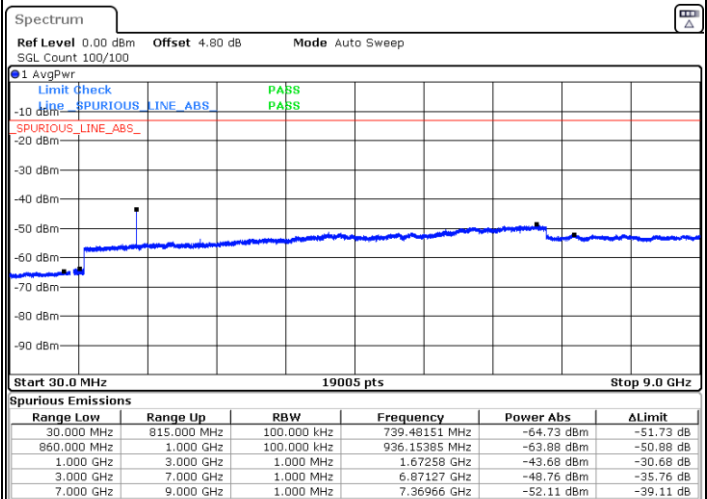
LTE Band 26 / 1.4MHz

Lowest Channel / QPSK



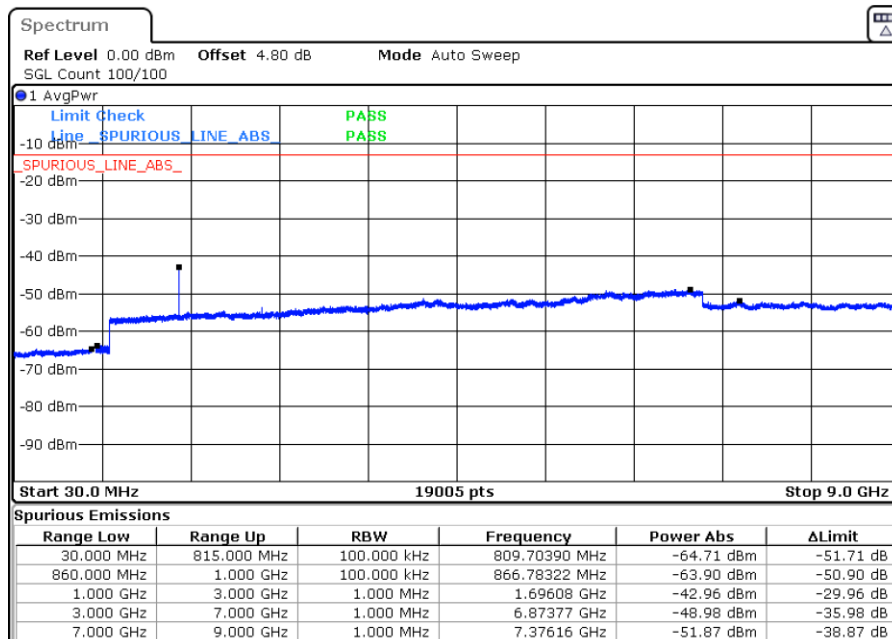
Date: 29.APR.2022 05:08:50

Middle Channel / QPSK



Date: 29.APR.2022 05:19:26

Highest Channel / QPSK

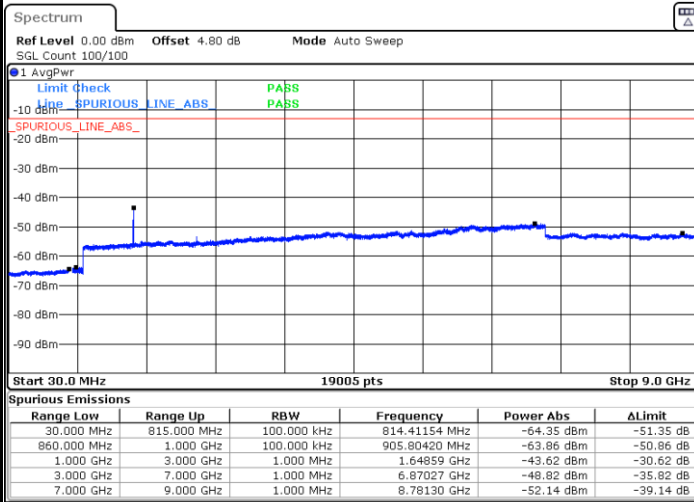


Date: 29.APR.2022 05:20:52



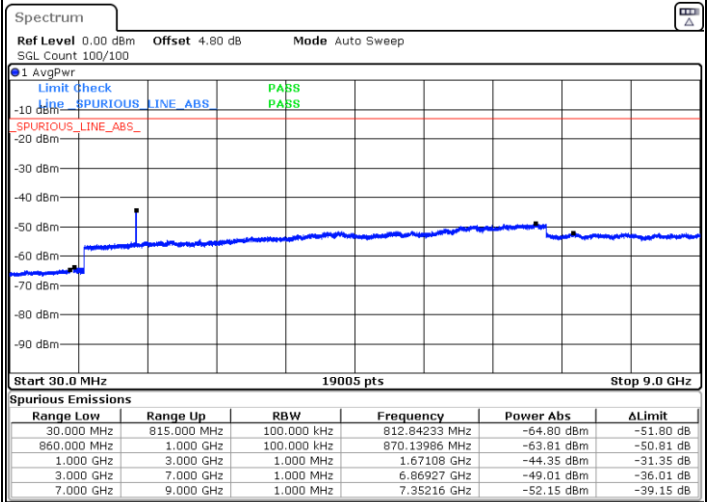
LTE Band 26 / 3MHz

Lowest Channel / QPSK



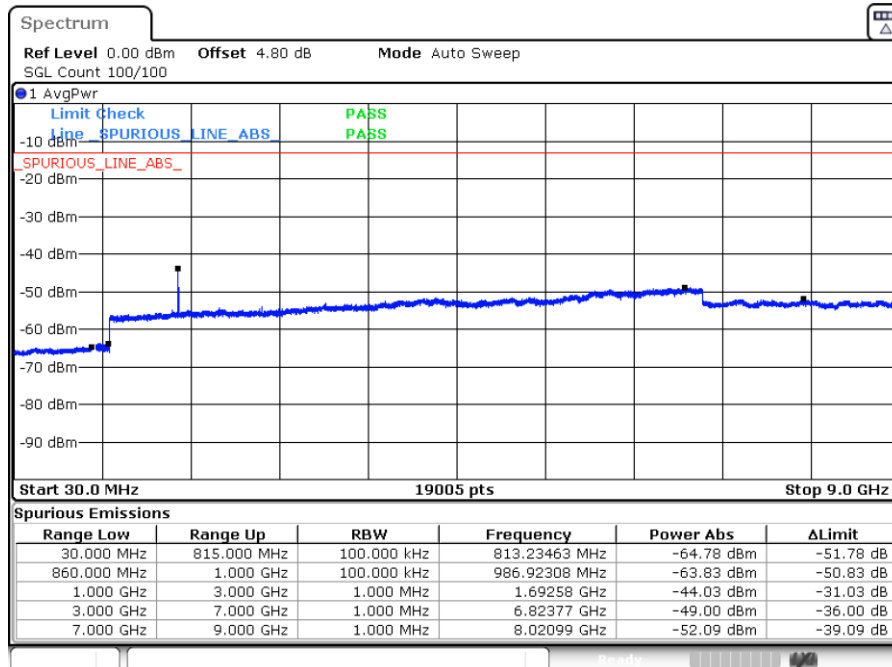
Date: 29.APR.2022 05:32:00

Middle Channel / QPSK



Date: 29.APR.2022 05:41:33

Highest Channel / QPSK

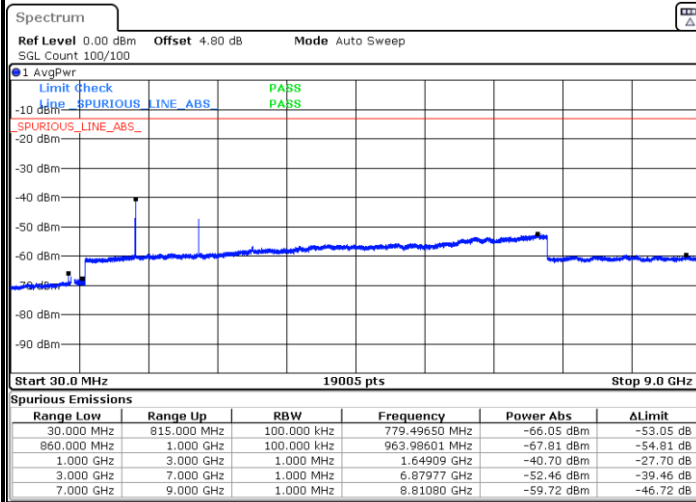


Date: 29.APR.2022 05:42:59



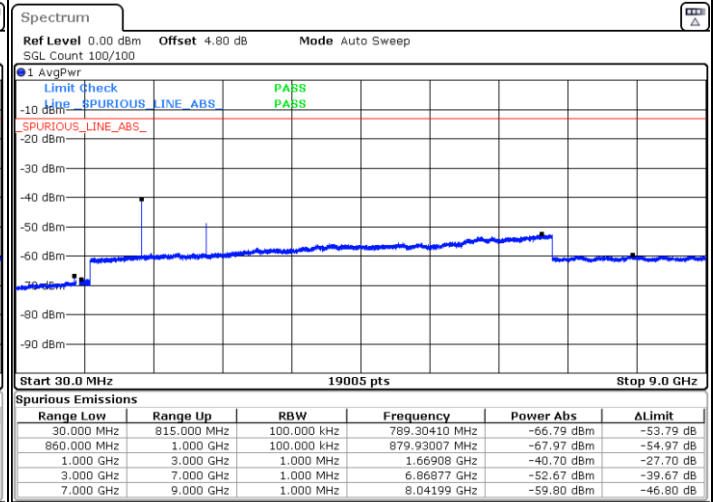
LTE Band 26 / 5MHz

Lowest Channel / QPSK



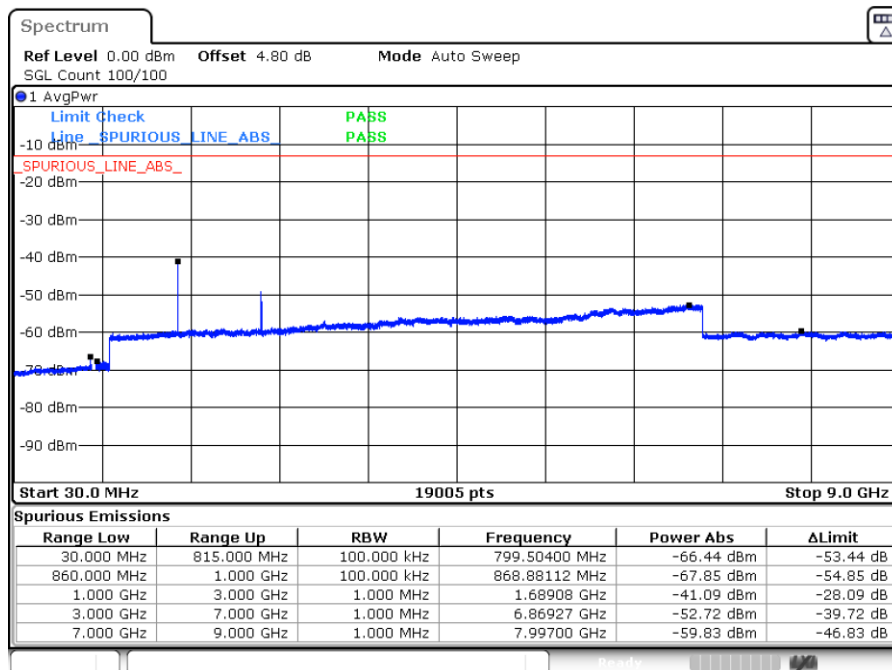
Date: 29.APR.2022 05:52:42

Middle Channel / QPSK



Date: 29.APR.2022 06:02:16

Highest Channel / QPSK

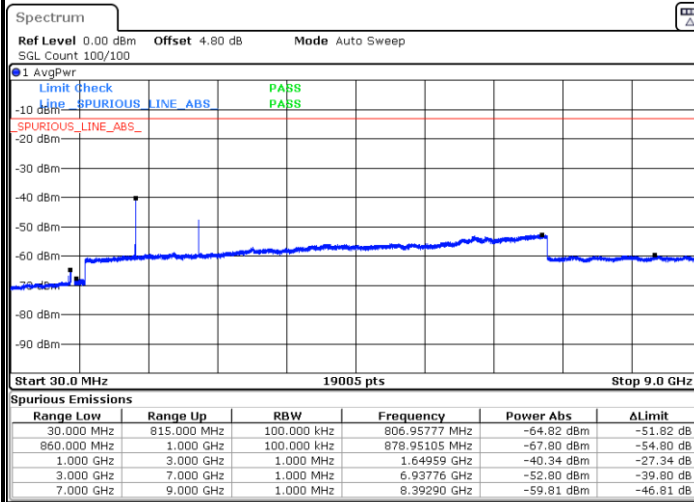


Date: 29.APR.2022 06:03:41



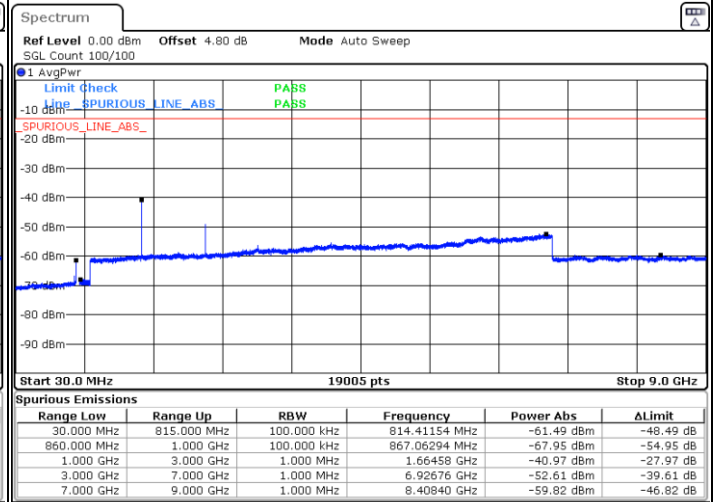
LTE Band 26 / 10MHz

Lowest Channel / QPSK



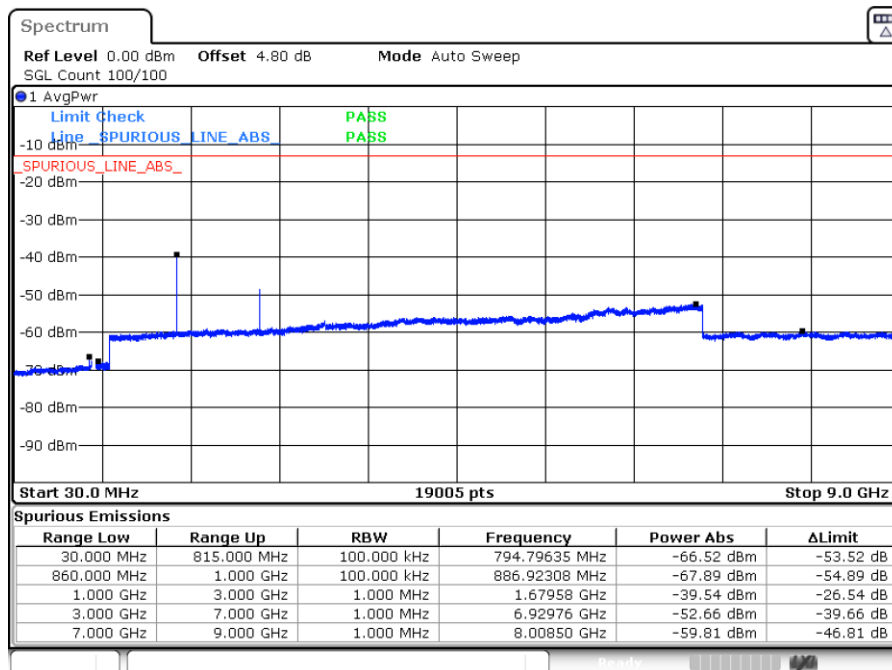
Date: 29.APR.2022 06:13:25

Middle Channel / QPSK



Date: 29.APR.2022 06:22:58

Highest Channel / QPSK

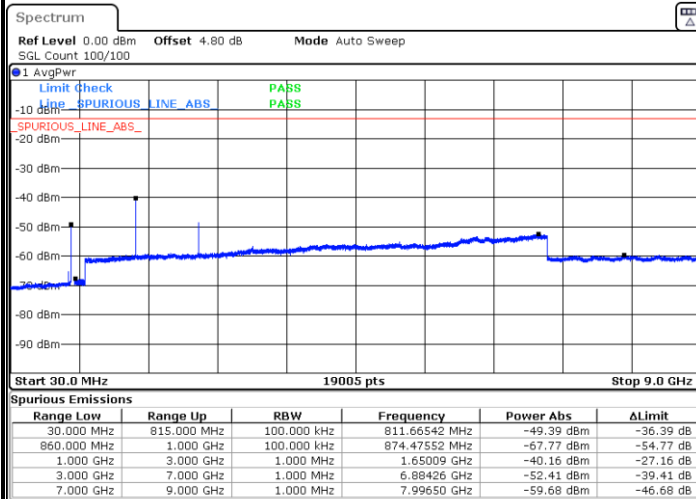


Date: 29.APR.2022 06:24:24



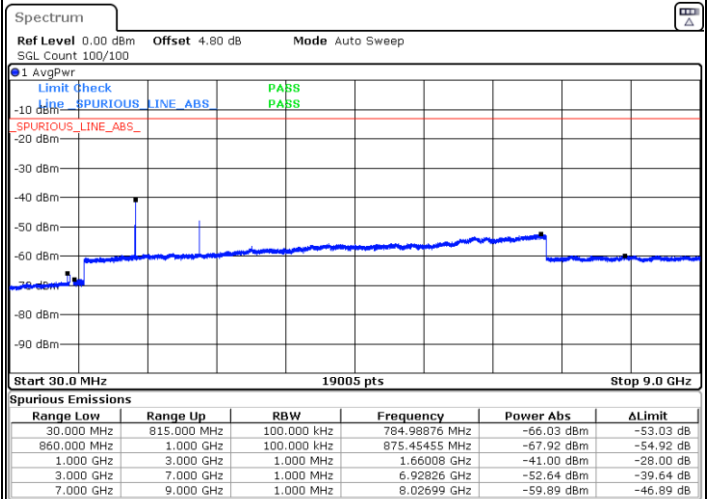
LTE Band 26 / 15MHz

Lowest Channel / QPSK



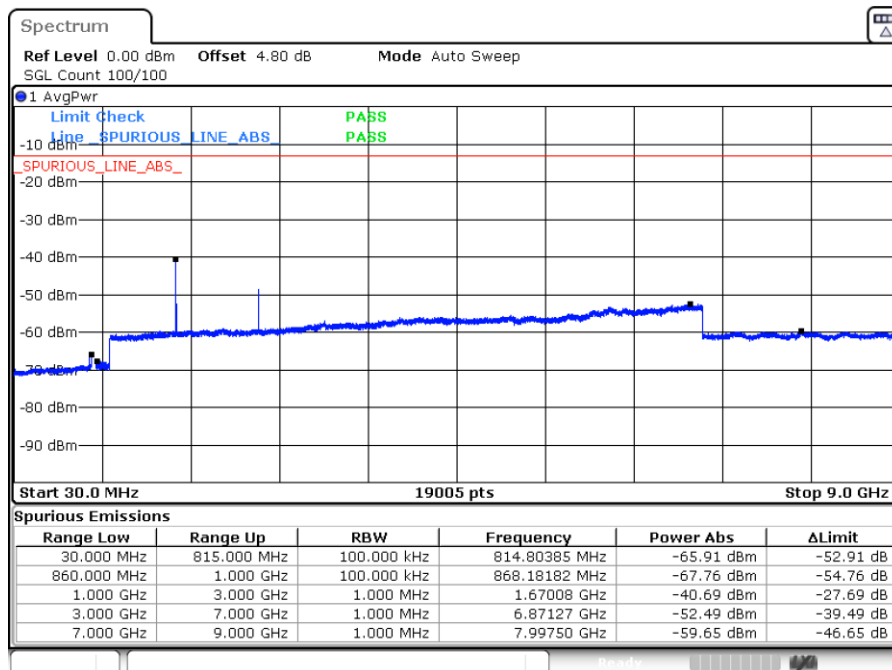
Date: 29.APR.2022 06:34:07

Middle Channel / QPSK



Date: 29.APR.2022 06:43:53

Highest Channel / QPSK



Date: 29.APR.2022 06:45:18

**Frequency Stability**

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0170	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0039	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0146	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0054	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0133	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0024	
20	Battery End Point	0.0093	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 38

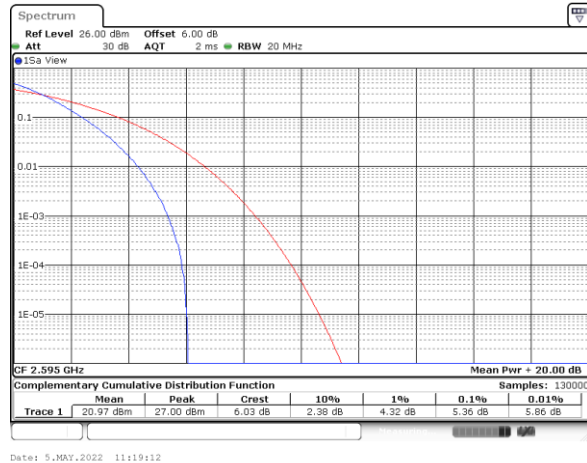
Peak-to-Average Ratio

Mode	LTE Band 38 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.36	6.20	6.38	PASS

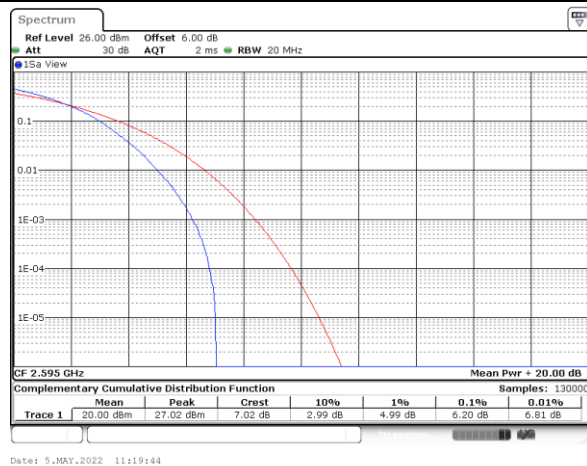


LTE Band 38 / 20MHz

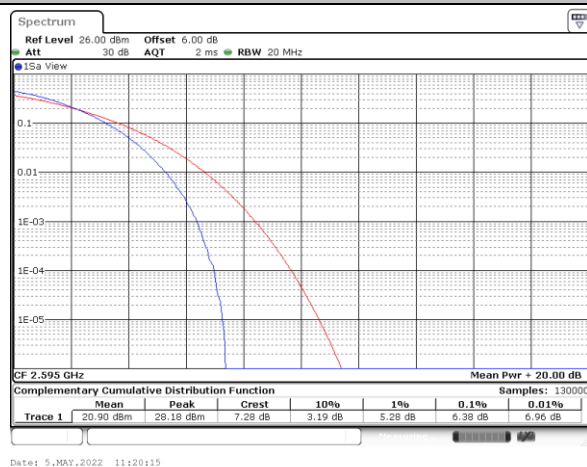
Middle Channel / Full RB / QPSK



Middle Channel / Full RB / 16QAM

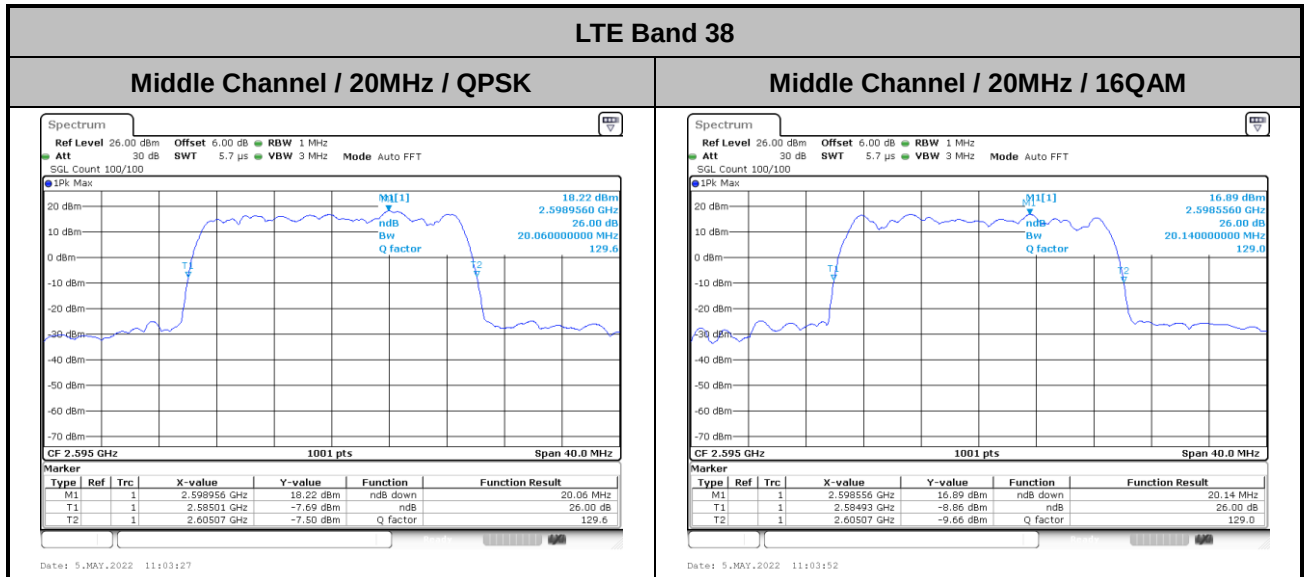


Middle Channel / Full RB / 64QAM



**26dB Bandwidth**

Mode	LTE Band 38 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	20.06	20.14





Occupied Bandwidth

Mode	LTE Band 38 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.34	18.14

