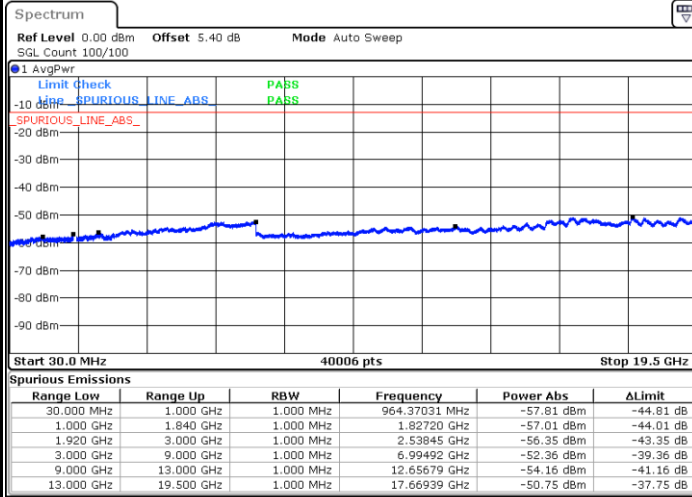




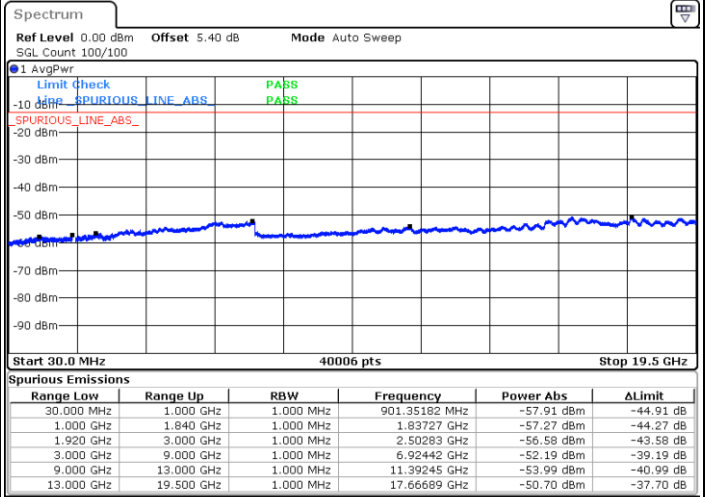
LTE Band 25 / 10MHz

Lowest Channel / QPSK



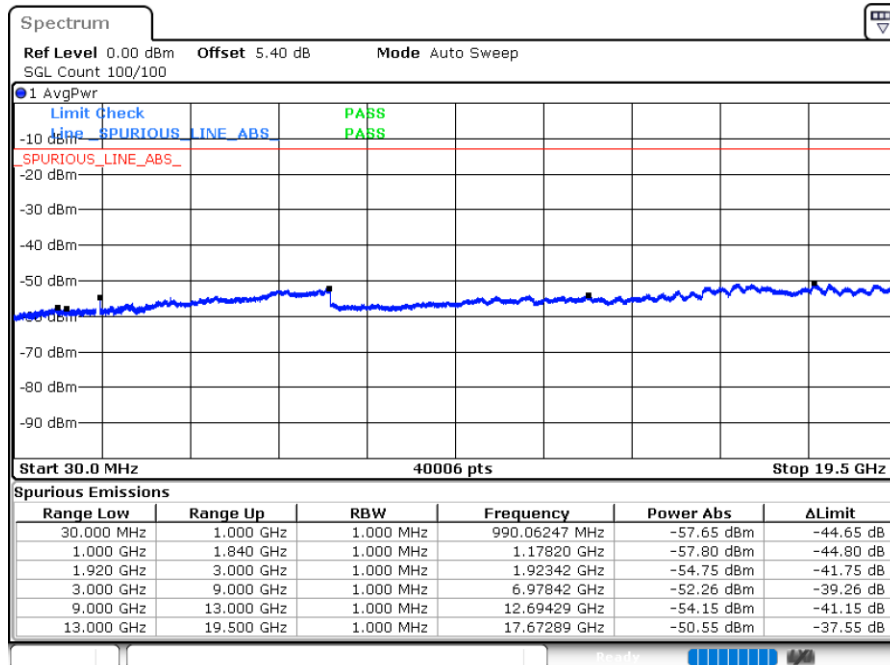
Date: 12.JAN.2023 03:52:42

Middle Channel / QPSK



Date: 12.JAN.2023 03:51:07

Highest Channel / QPSK

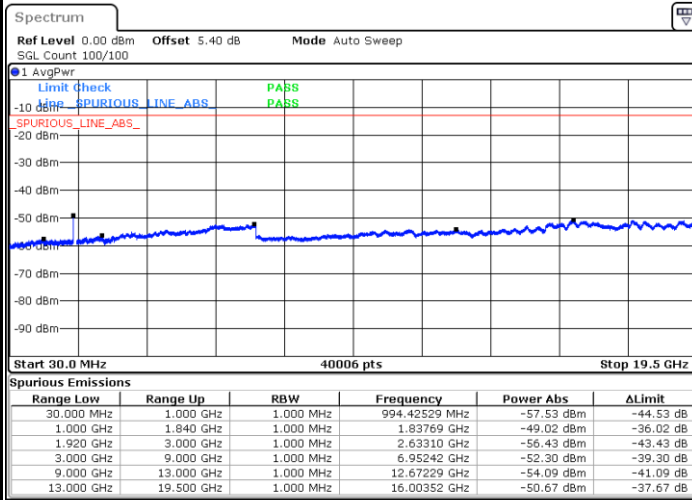


Date: 12.JAN.2023 03:54:18



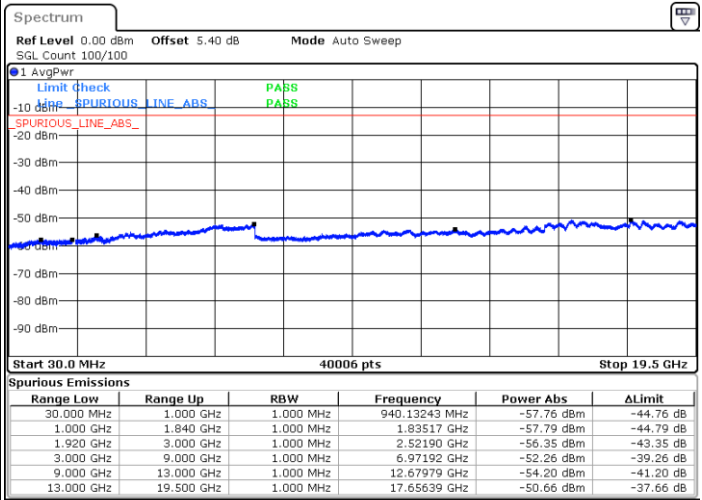
LTE Band 25 / 15MHz

Lowest Channel / QPSK



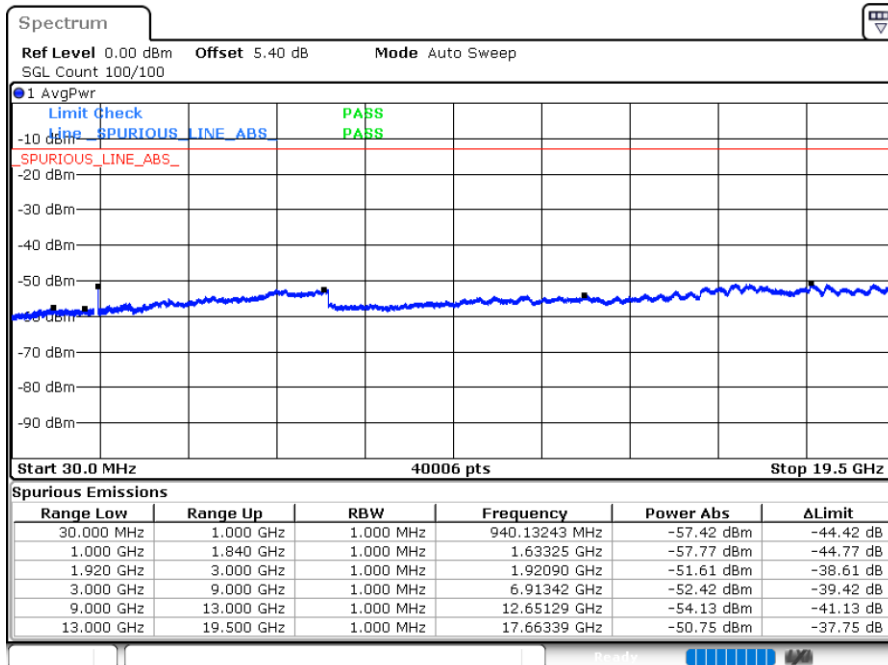
Date: 12.JAN.2023 04:16:01

Middle Channel / QPSK



Date: 12.JAN.2023 04:17:47

Highest Channel / QPSK

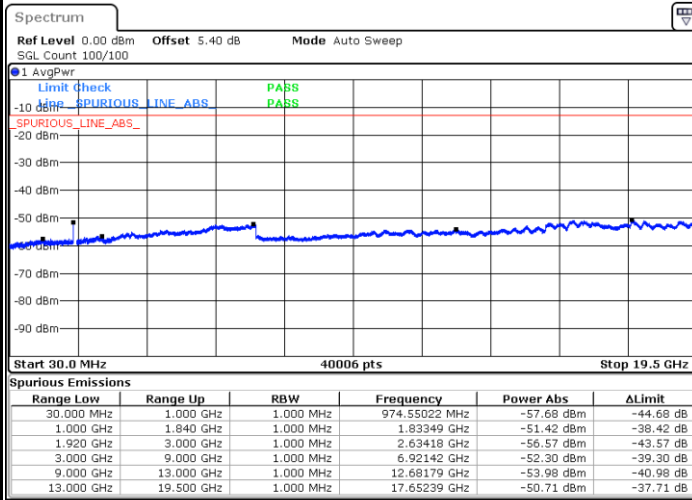


Date: 12.JAN.2023 04:19:44



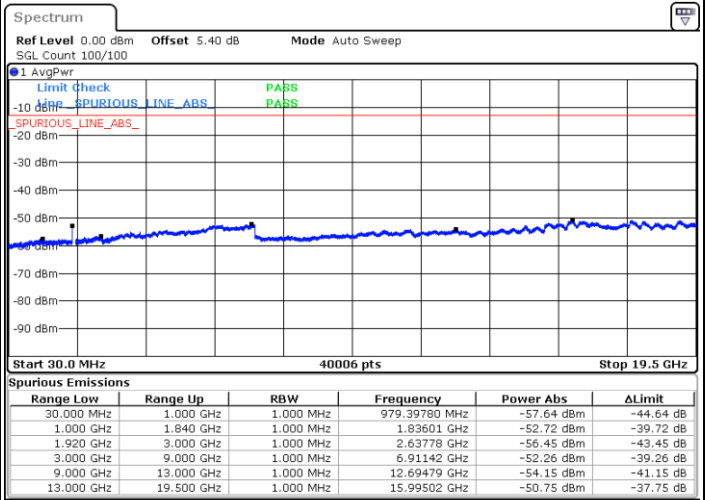
LTE Band 25 / 20MHz

Lowest Channel / QPSK



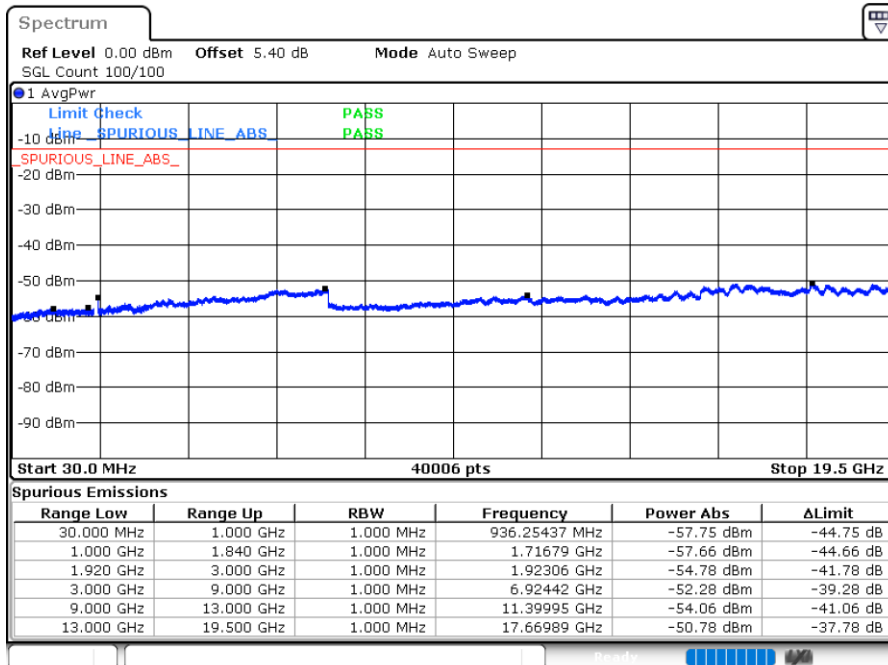
Date: 12.JAN.2023 02:31:06

Middle Channel / QPSK



Date: 12.JAN.2023 01:56:44

Highest Channel / QPSK



Date: 12.JAN.2023 02:20:57

Frequency Stability

Test Conditions		LTE Band 25 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0023	
-20	Normal Voltage	0.0030	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0000	
20	End Point	0.0012	

Note:

1. Normal Voltage =3.8 V. ; End Point (BEP) =3.55 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



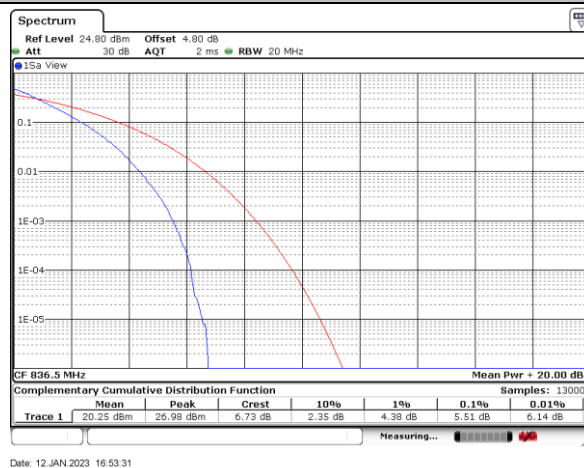
LTE Band 26

Peak-to-Average Ratio

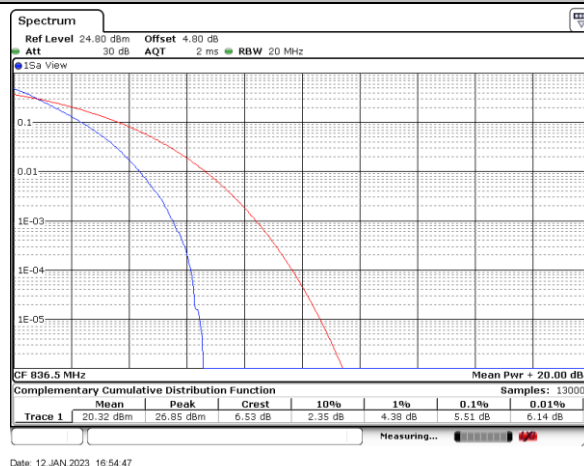
Mode	LTE Band 26 / 15MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	5.51	5.51	PASS

LTE Band 26 / 15MHz

Middle Channel / Full RB/ QPSK



Middle Channel / Full RB/ 16QAM



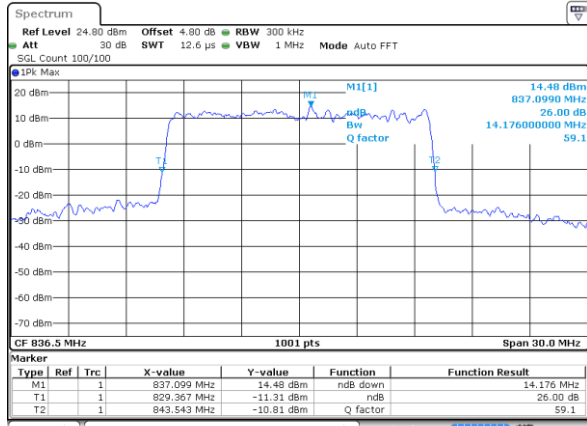
**26dB Bandwidth**

Mode	LTE Band 26 : 26dB BW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.18	14.48
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.83	9.91
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.91	4.95
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.05	3.01
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.26	1.24



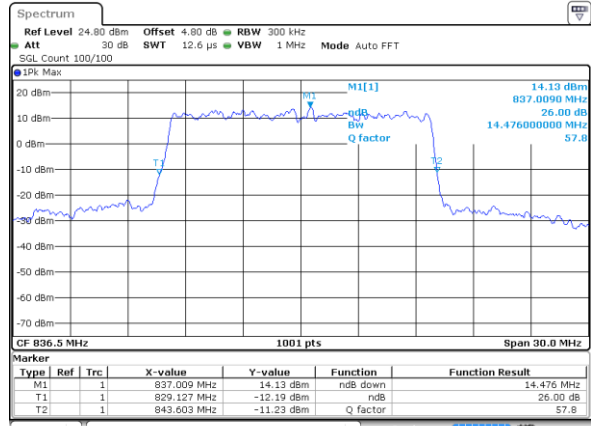
LTE Band 26

Middle Channel / 15MHz / QPSK



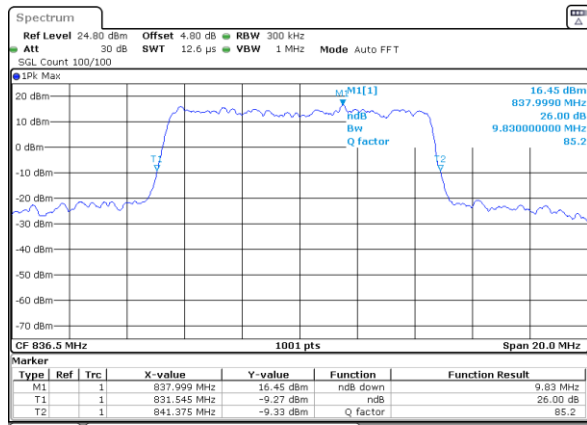
Date: 12 JAN 2023 15:59:25

Middle Channel / 15MHz / 16QAM



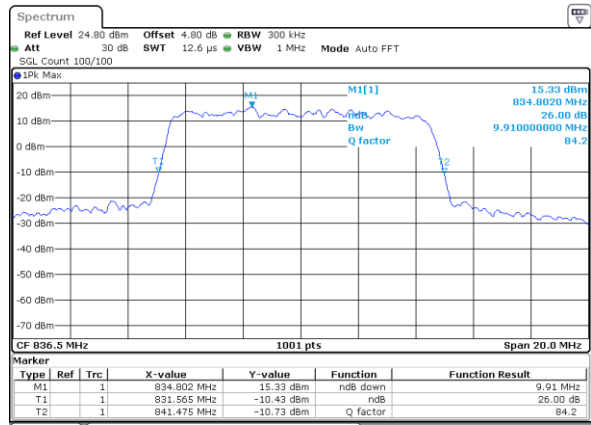
Date: 12 JAN 2023 16:01:08

Middle Channel / 10MHz / QPSK



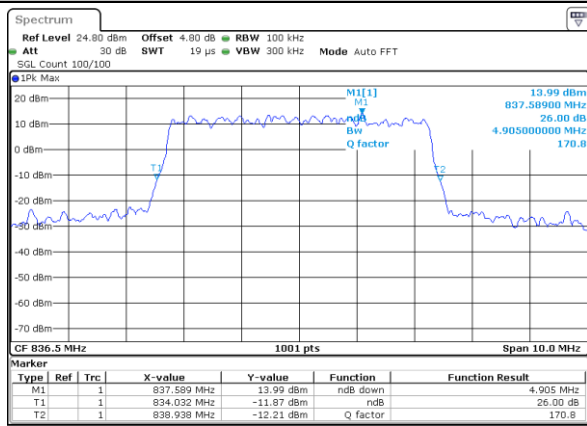
Date: 31 JAN 2023 00:58:32

Middle Channel / 10MHz / 16QAM



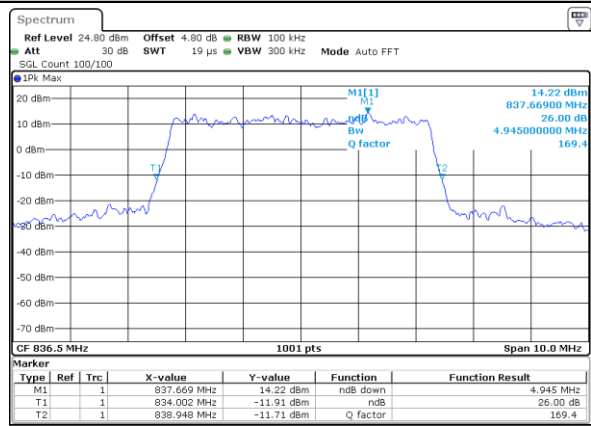
Date: 12 JAN 2023 15:22:32

Middle Channel / 5MHz / QPSK



Date: 12 JAN 2023 14:48:42

Middle Channel / 5MHz / 16QAM

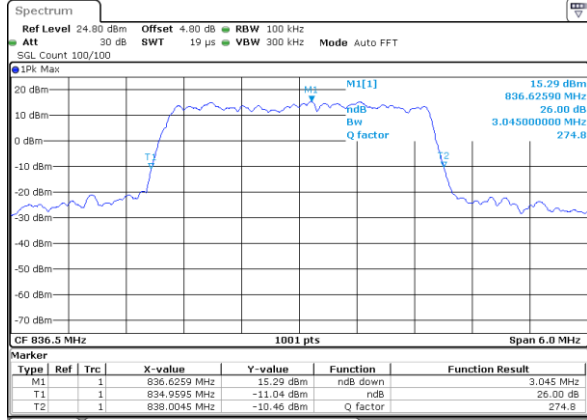


Date: 12 JAN 2023 14:50:04



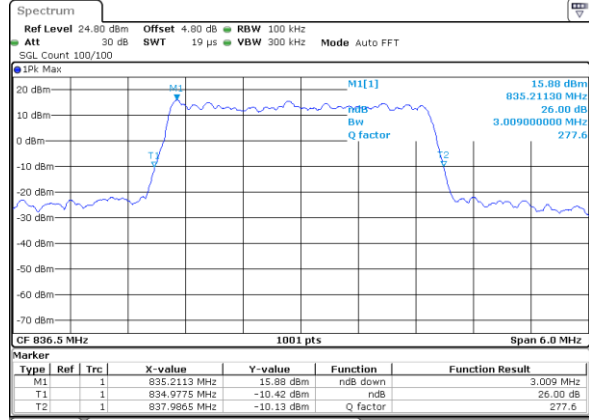
LTE Band 26

Middle Channel / 3MHz / QPSK



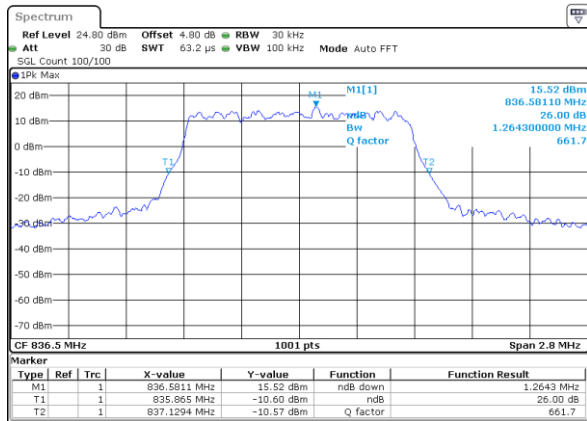
Date: 12 JAN 2023 14:19:22

Middle Channel / 3MHz / 16QAM



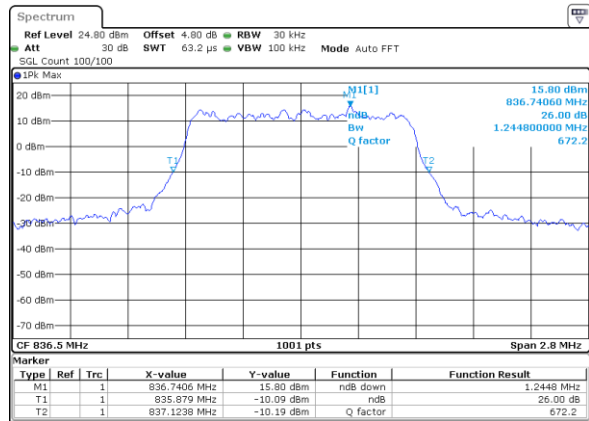
Date: 12 JAN 2023 14:20:30

Middle Channel / 1.4MHz / QPSK



Date: 12 JAN 2023 13:25:45

Middle Channel / 1.4MHz / 16QAM



Date: 12 JAN 2023 13:27:27

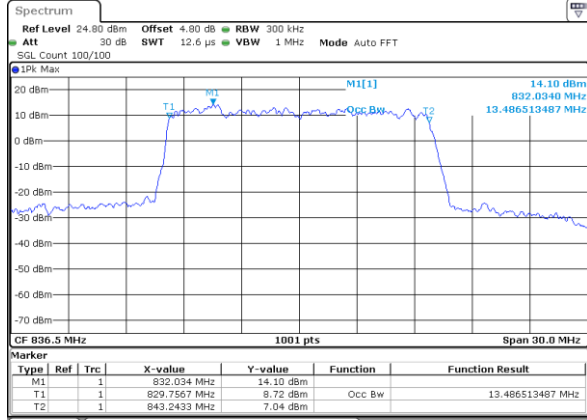
**Occupied Bandwidth**

Mode	LTE Band 26 : 99%OBW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.49	13.46
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.01	9.05
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.50	4.49
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.72	2.72
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	1.10
BW	15MHz	
Mod.	QPSK	16QAM
CH 26790	13.43	13.49



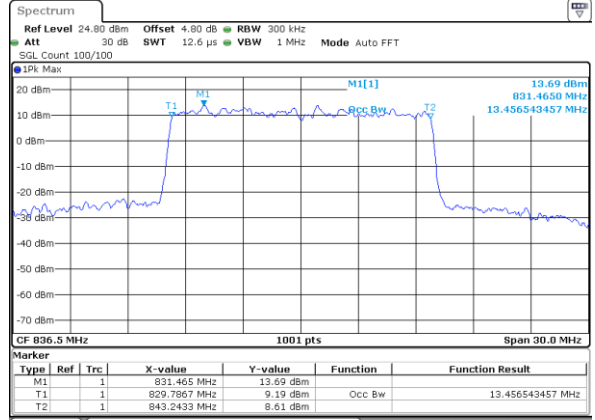
LTE Band 26

Middle Channel / 15MHz / QPSK



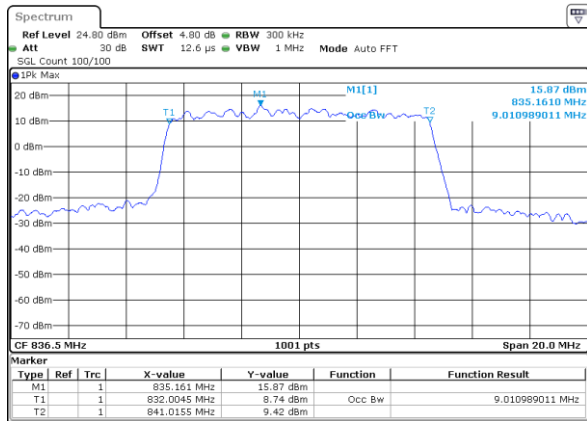
Date: 12 JAN 2023 15:58:46

Middle Channel / 15MHz / 16QAM



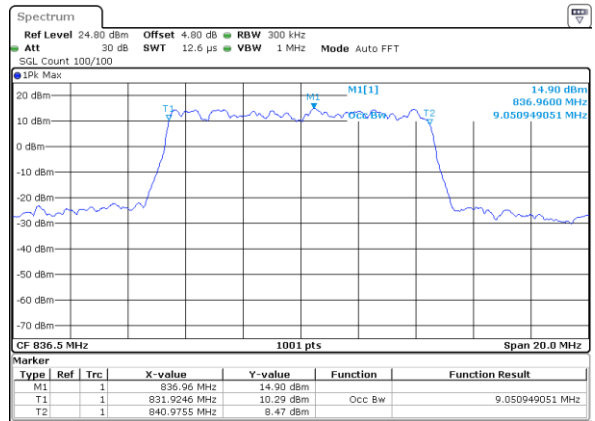
Date: 12 JAN 2023 16:00:30

Middle Channel / 10MHz / QPSK



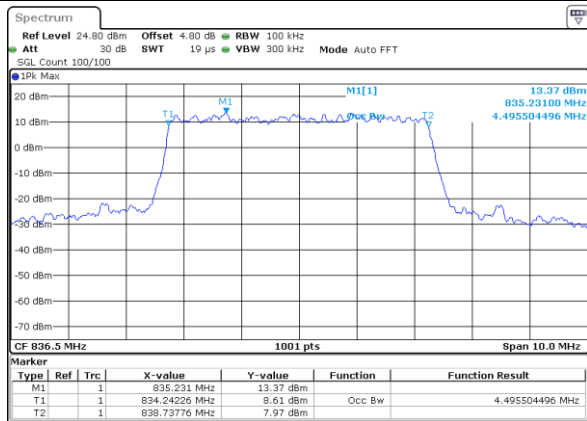
Date: 12 JAN 2023 15:18:08

Middle Channel / 10MHz / 16QAM



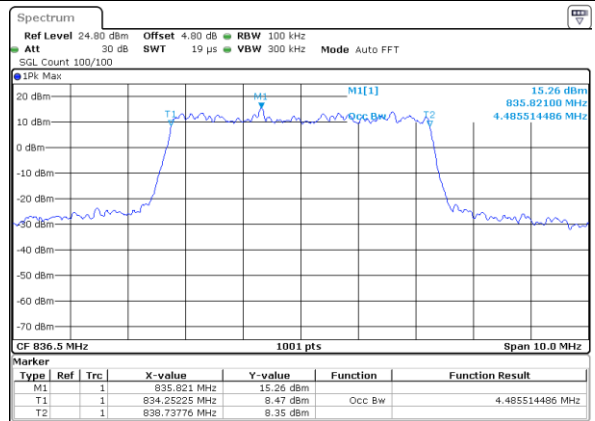
Date: 12 JAN 2023 15:21:14

Middle Channel / 5MHz / QPSK



Date: 12 JAN 2023 14:48:02

Middle Channel / 5MHz / 16QAM

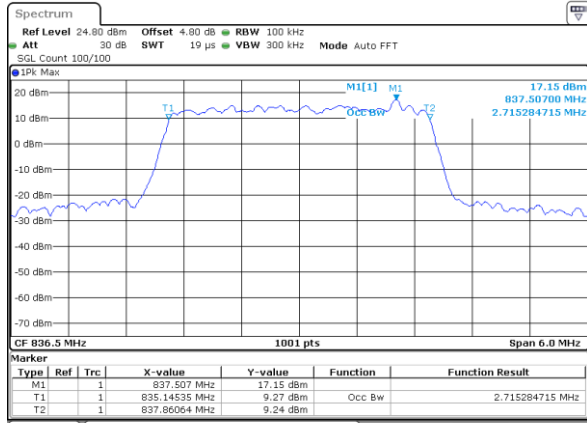


Date: 12 JAN 2023 14:49:26



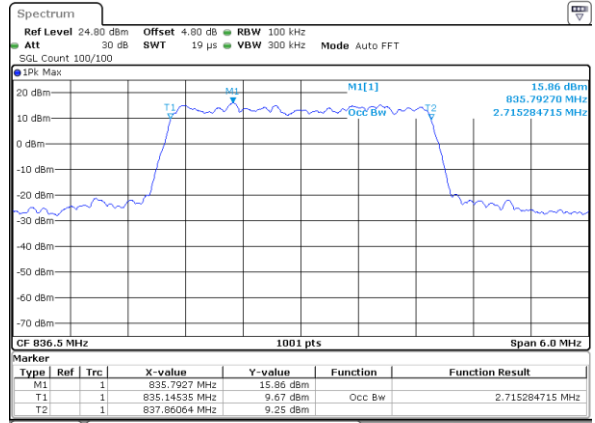
LTE Band 26

Middle Channel / 3MHz / QPSK



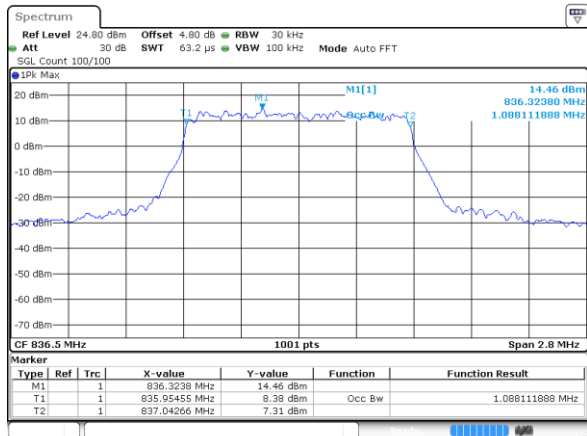
Date: 12 JAN 2023 14:18:50

Middle Channel / 3MHz / 16QAM



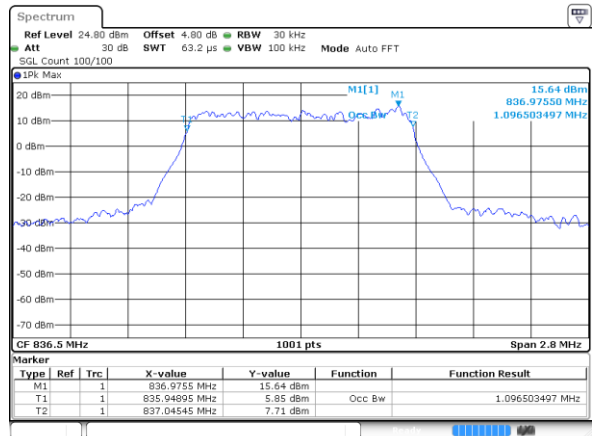
Date: 12 JAN 2023 14:19:57

Middle Channel / 1.4MHz / QPSK



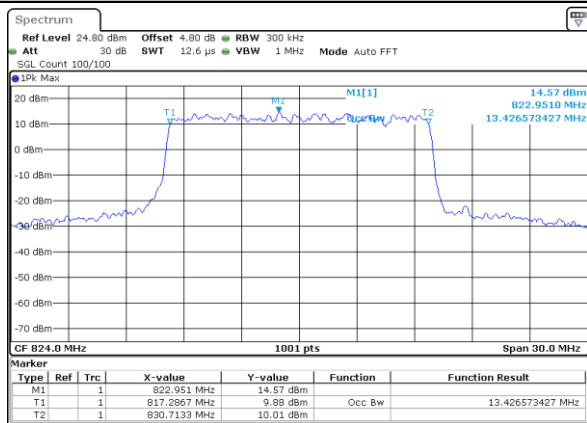
Date: 12 JAN 2023 13:24:32

Middle Channel / 1.4MHz / 16QAM



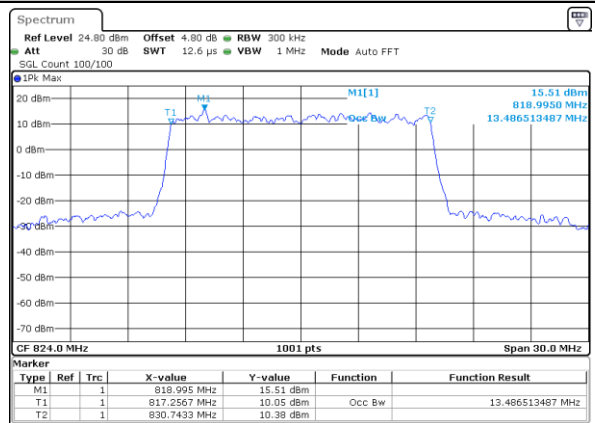
Date: 12 JAN 2023 13:26:35

Channel 26790 / 15MHz / QPSK



Date: 14 JAN 2023 14:54:55

Channel 26790 / 15MHz / 16QAM



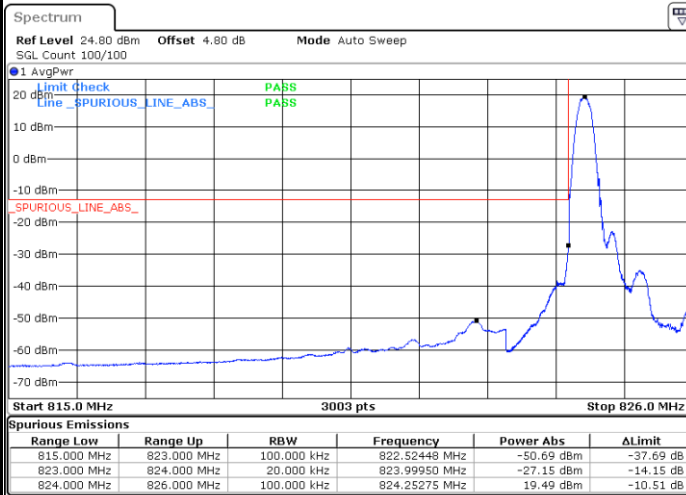
Date: 14 JAN 2023 14:56:16



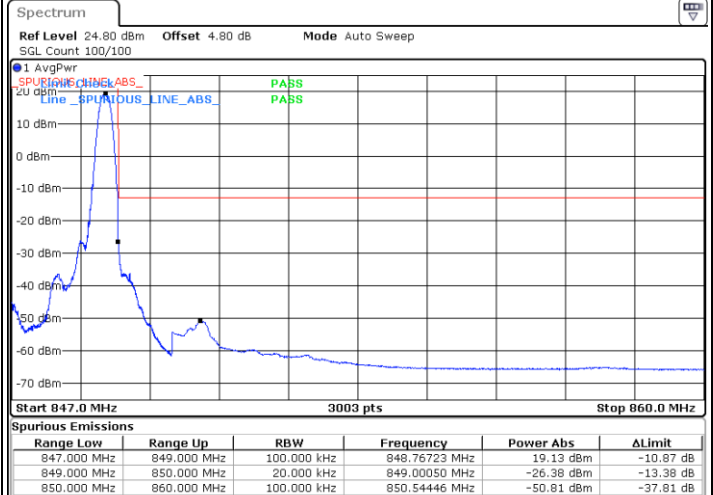
Conducted Band Edge

LTE Band 26 / 1.4MHz / QPSK

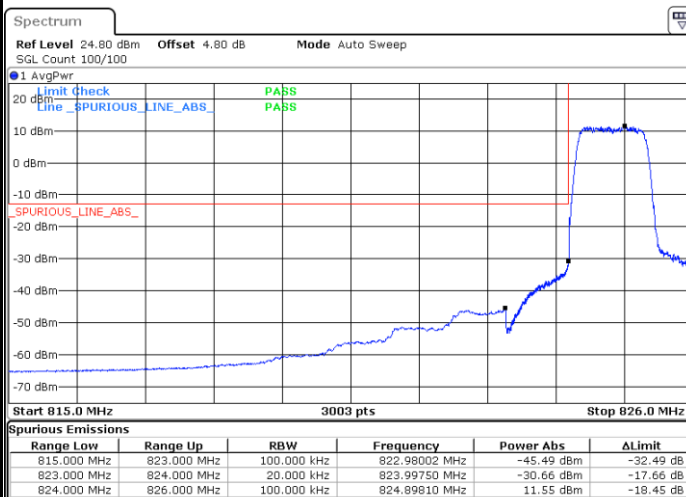
Lowest Band Edge / 1RB



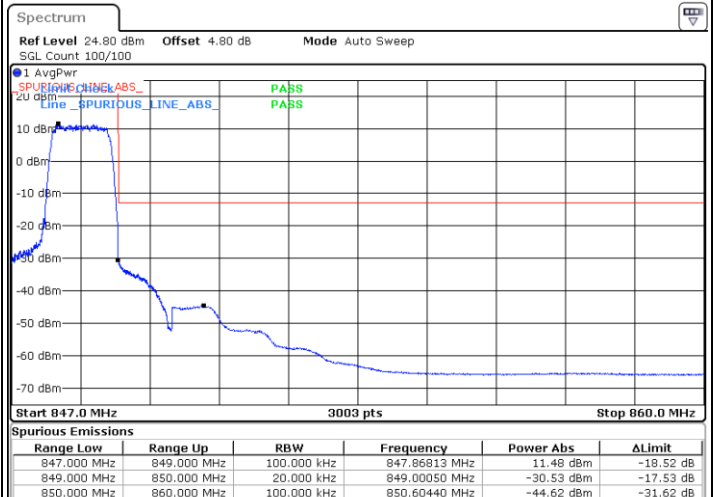
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



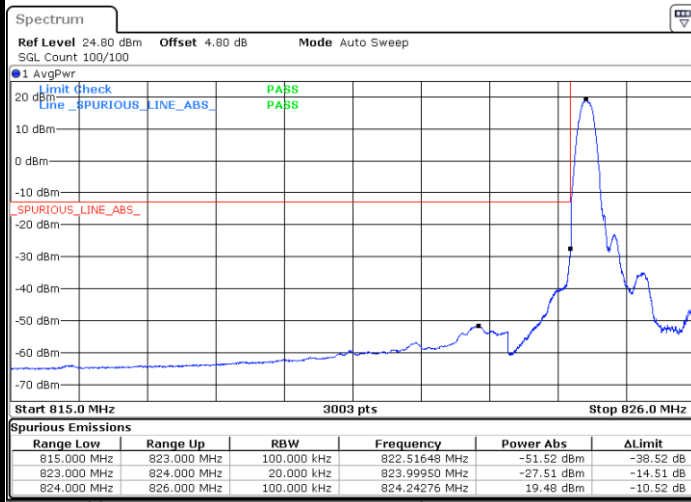
Highest Band Edge / Full RB



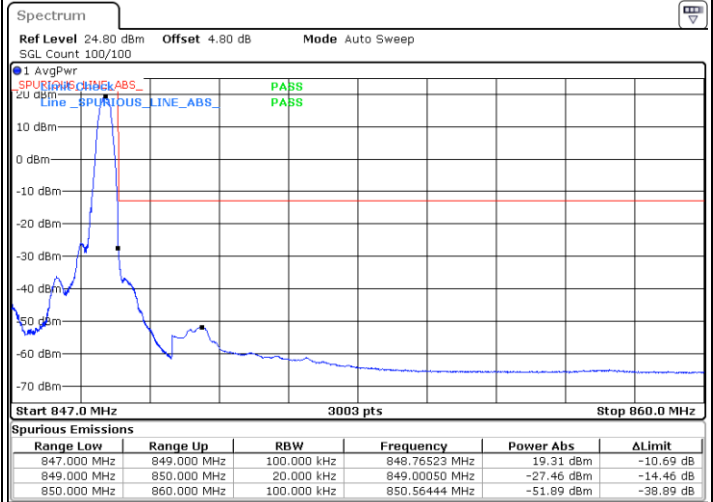


LTE Band 26 / 1.4MHz / 16QAM

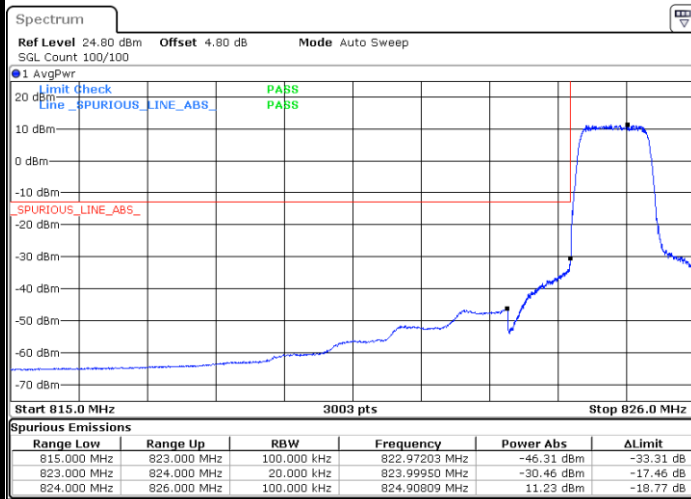
Lowest Band Edge / 1 RB



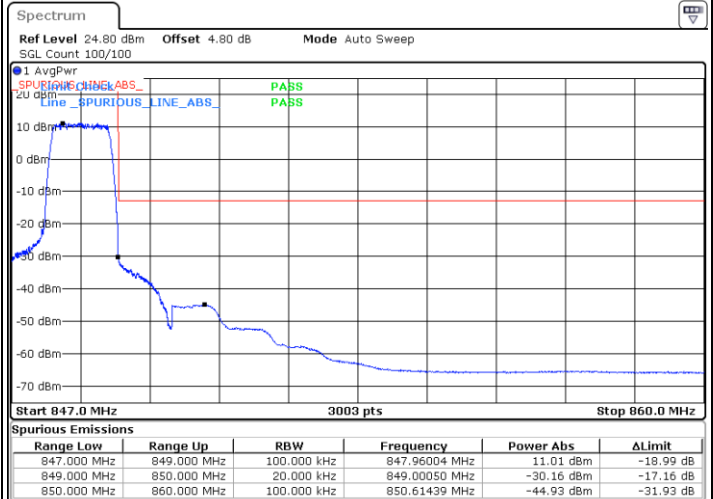
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



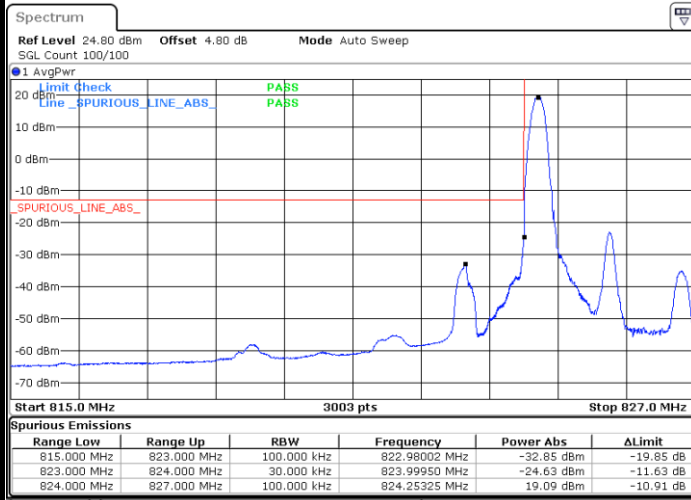
Highest Band Edge / Full RB



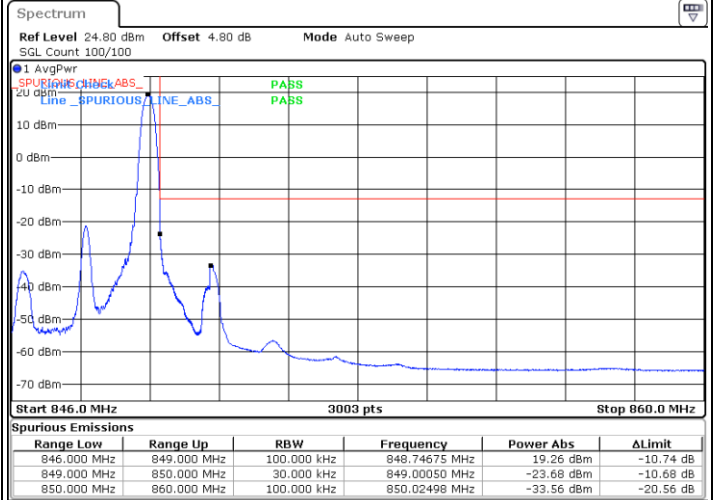


LTE Band 26 / 3MHz / QPSK

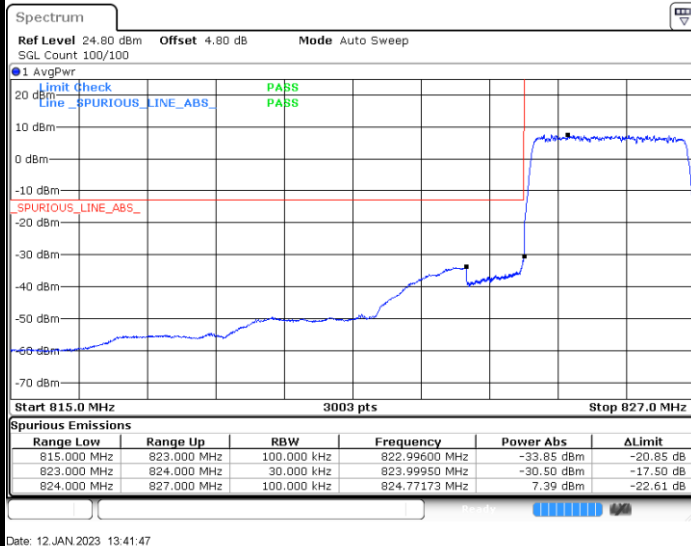
Lowest Band Edge / 1RB



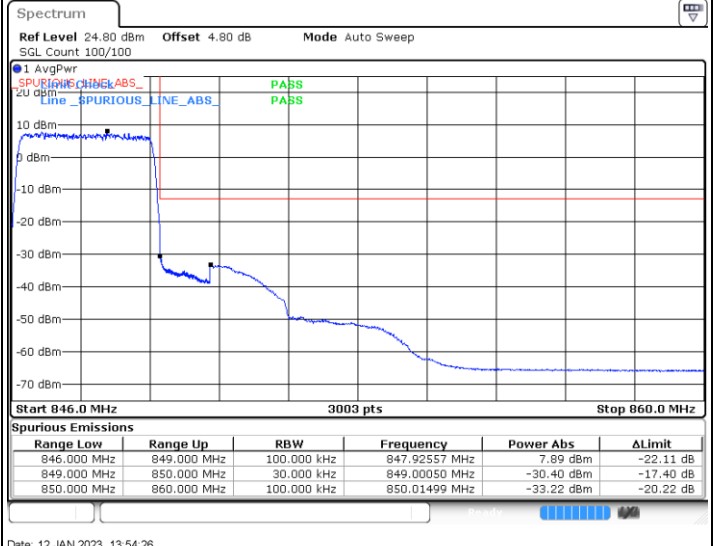
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



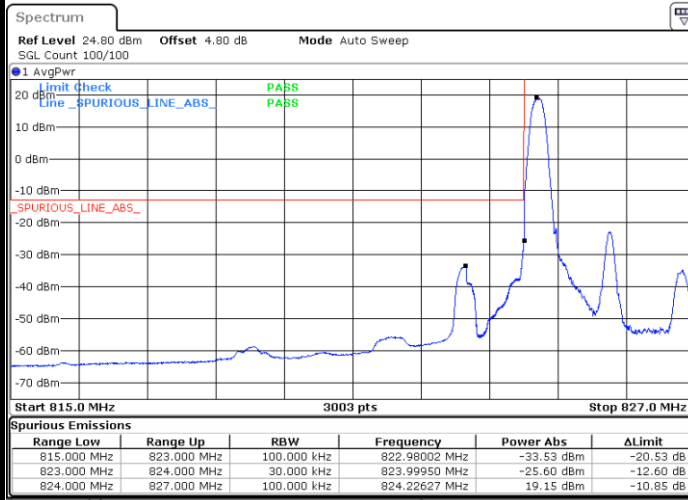
Highest Band Edge / Full RB



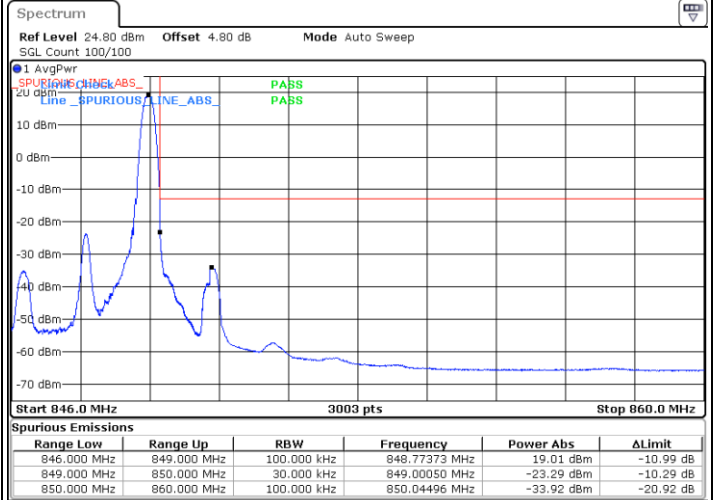


LTE Band 26 / 3MHz / 16QAM

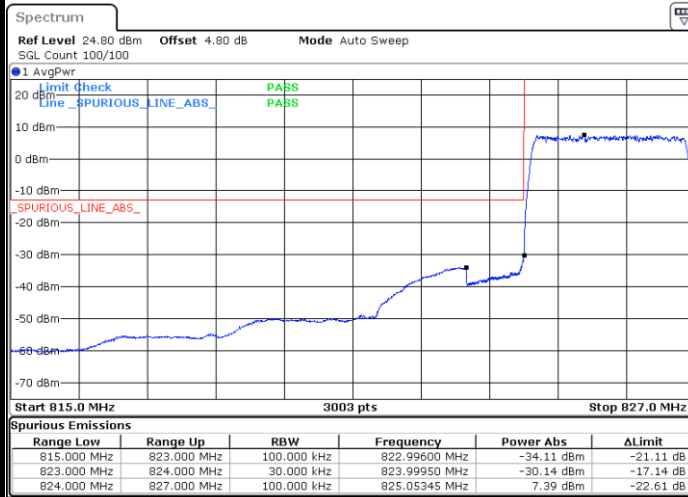
Lowest Band Edge / 1 RB



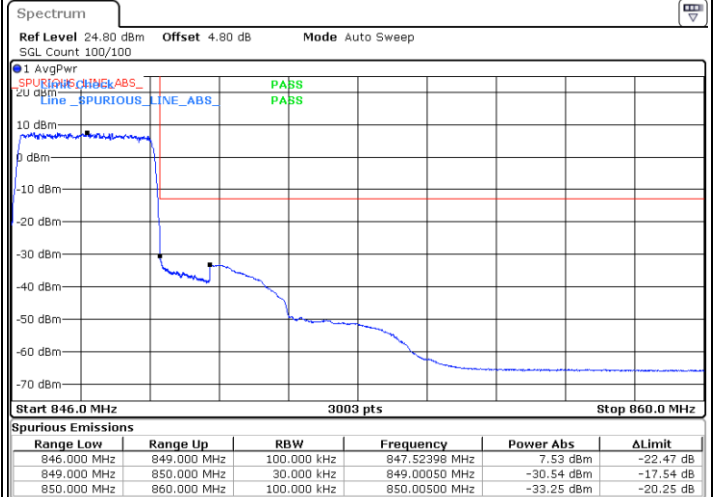
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



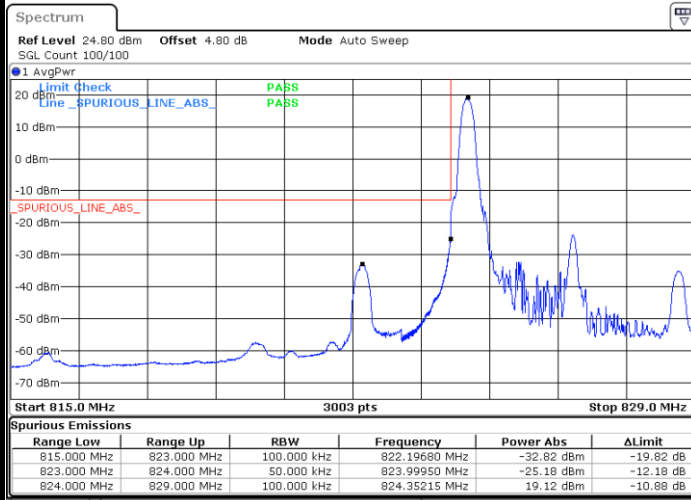
Highest Band Edge / Full RB



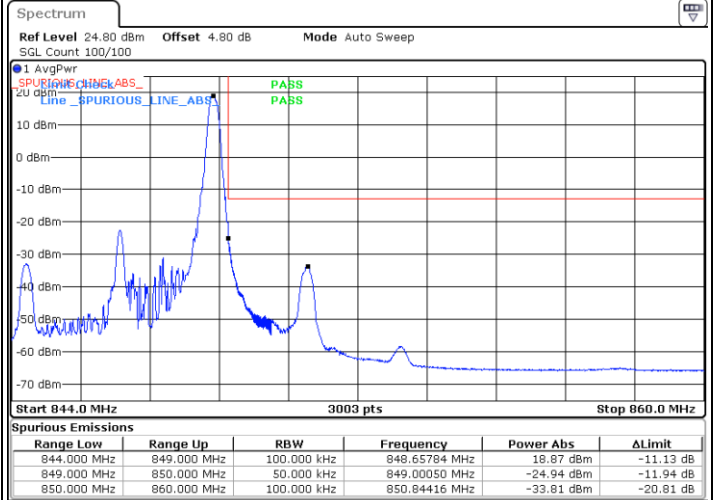


LTE Band 26 / 5MHz / QPSK

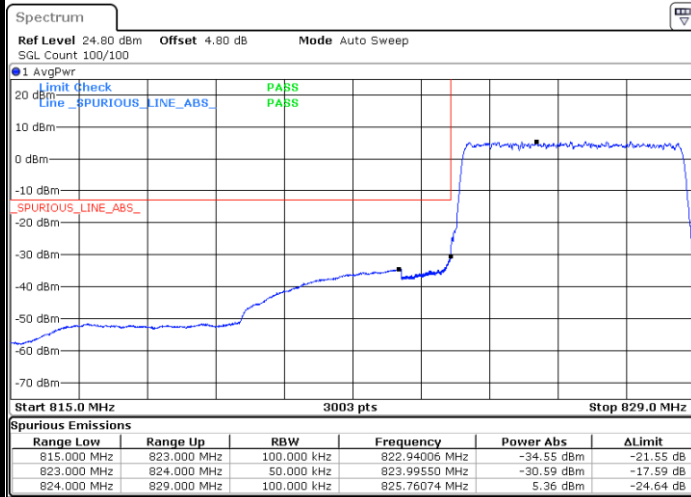
Lowest Band Edge / 1 RB



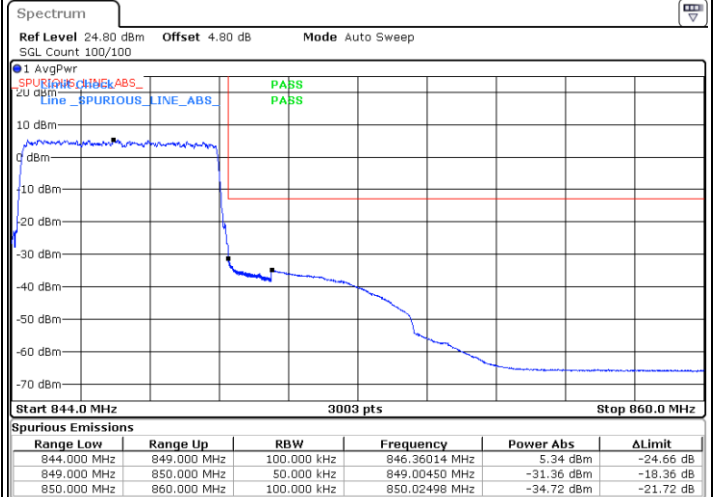
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



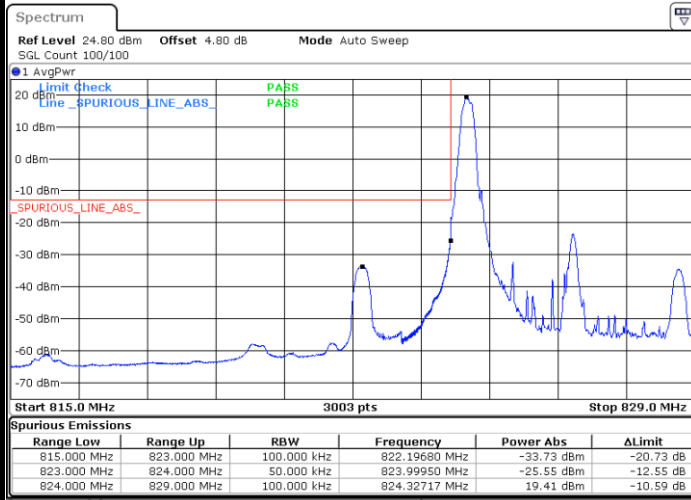
Highest Band Edge / Full RB



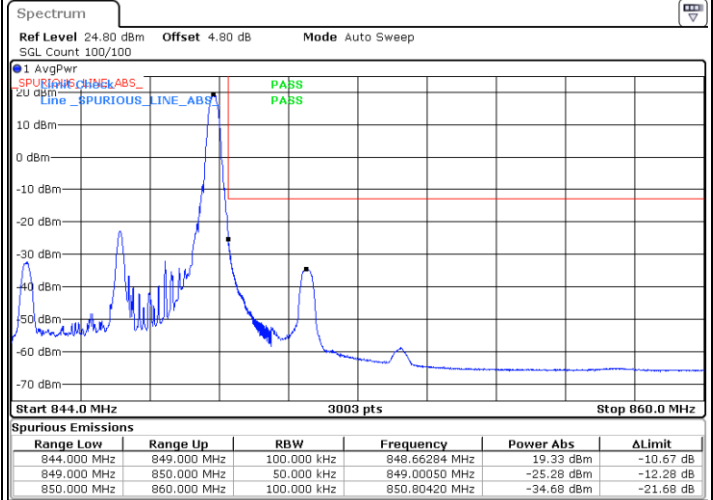


LTE Band 26 / 5MHz / 16QAM

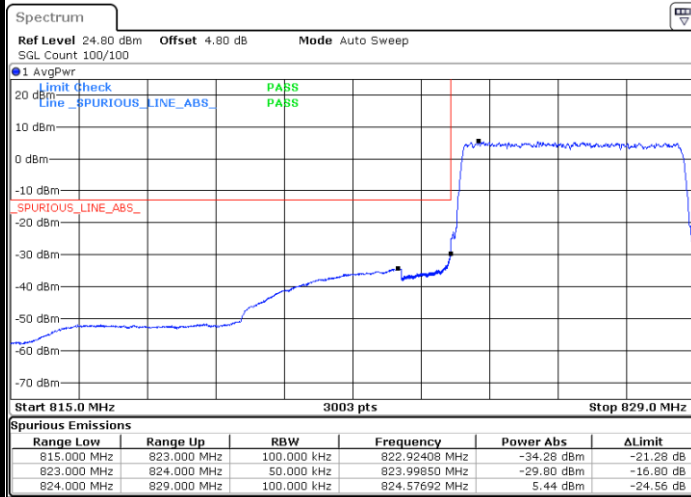
Lowest Band Edge / 1RB



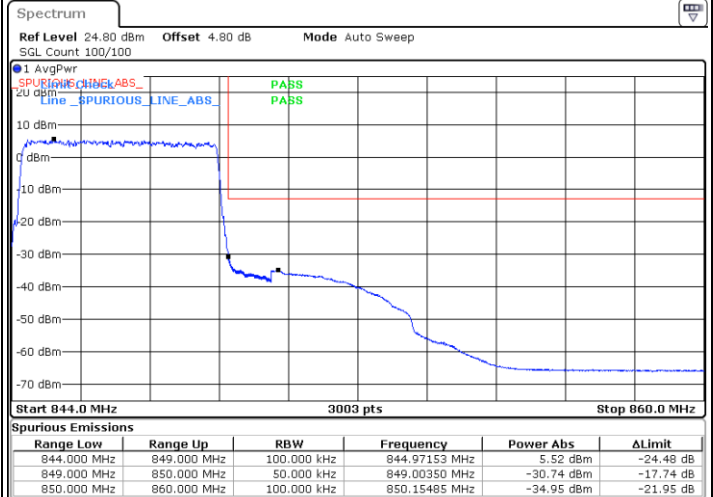
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



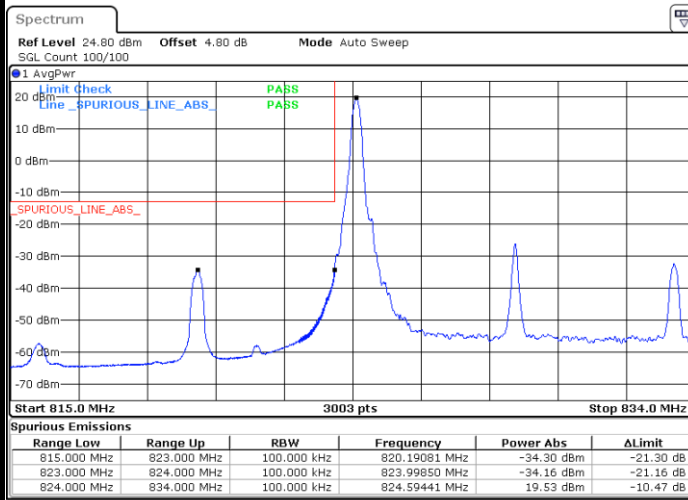
Highest Band Edge / Full RB



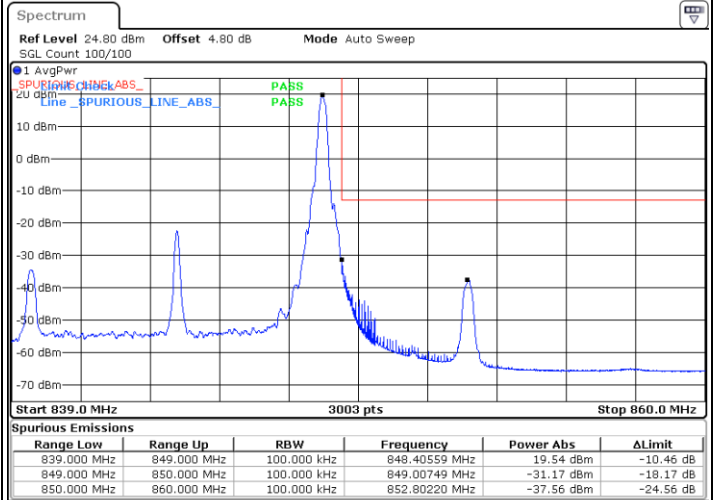


LTE Band 26 / 10MHz / QPSK

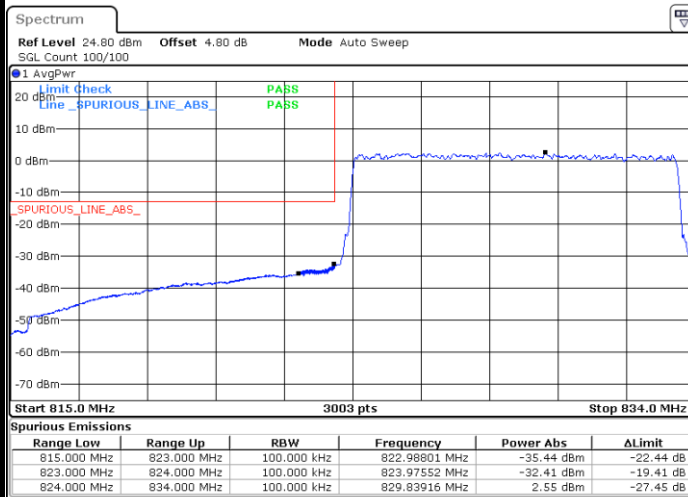
Lowest Band Edge / 1 RB



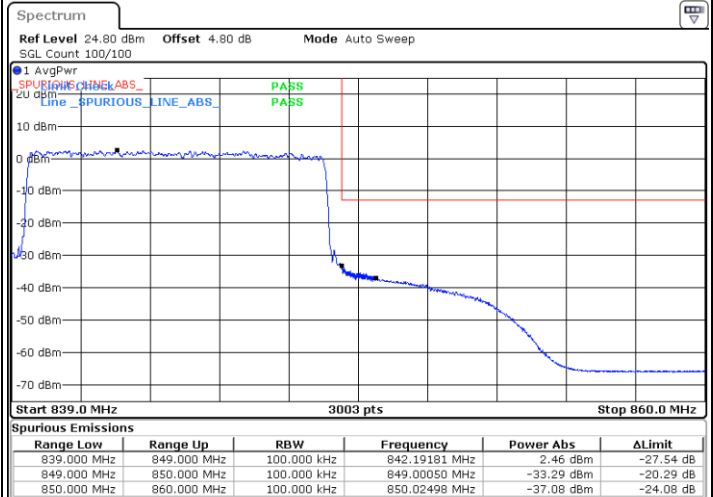
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



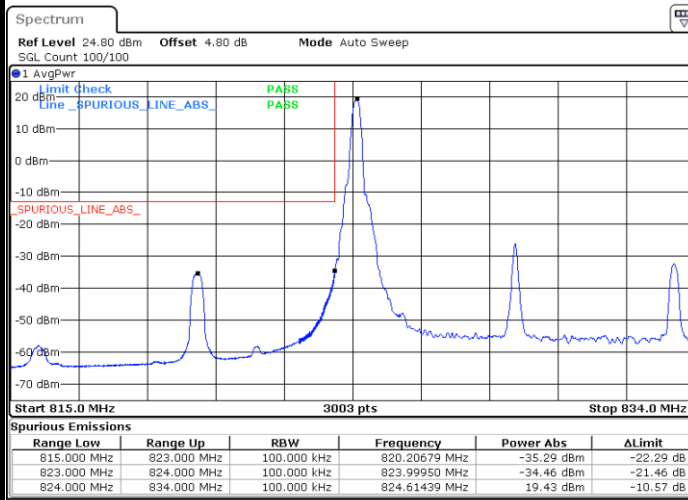
Highest Band Edge / Full RB





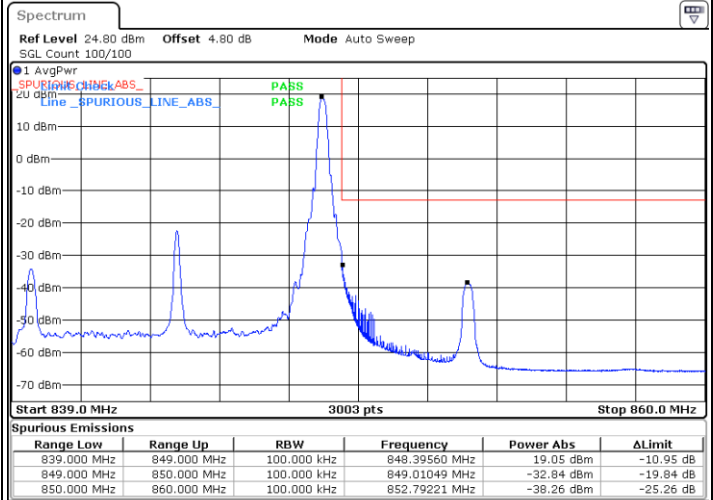
LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



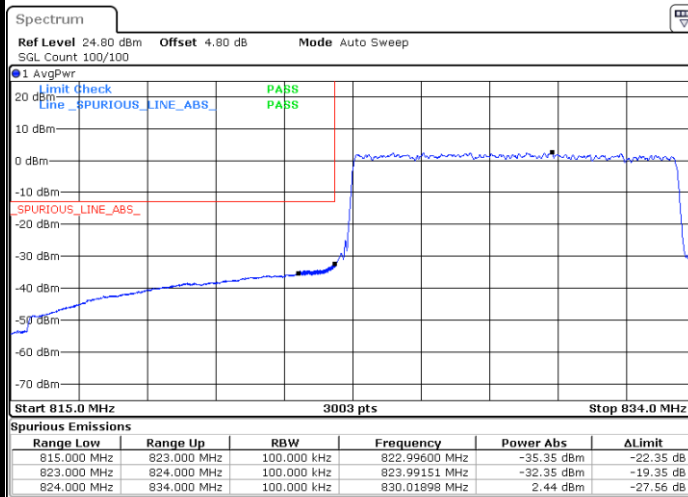
Date: 12 JAN 2023 15:07:05

Highest Band Edge / 1 RB



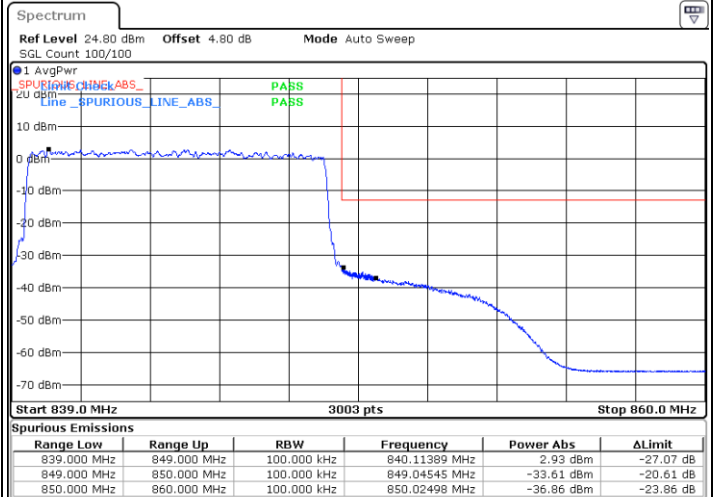
Date: 12 JAN 2023 15:16:02

Lowest Band Edge / Full RB



Date: 12 JAN 2023 14:59:49

Highest Band Edge / Full RB

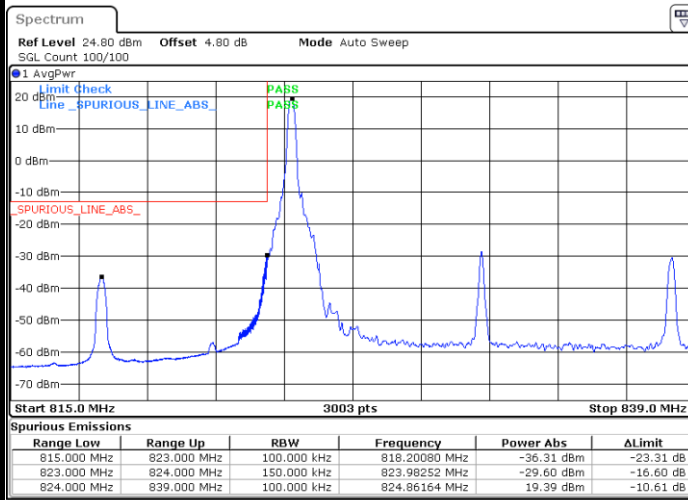


Date: 12 JAN 2023 15:10:33

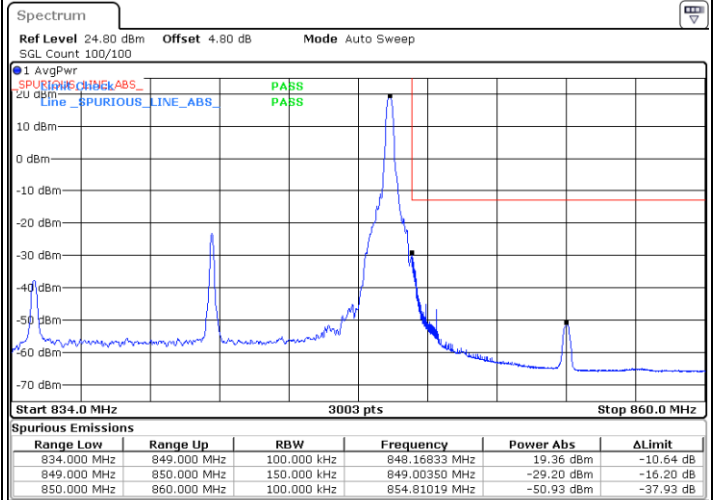


LTE Band 26 / 15MHz / QPSK

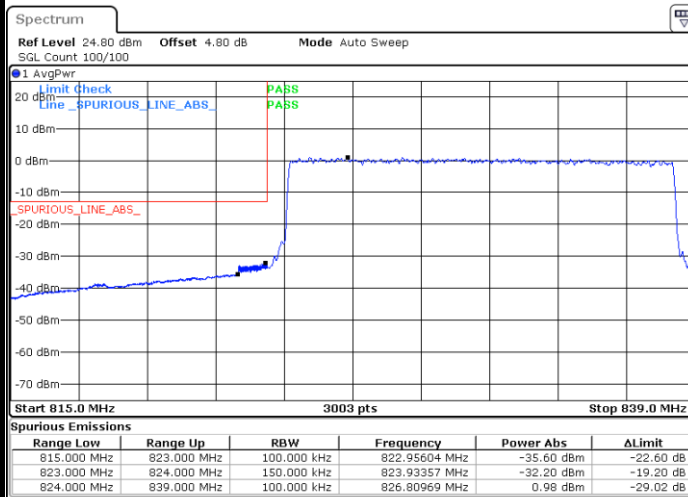
Lowest Band Edge / 1 RB



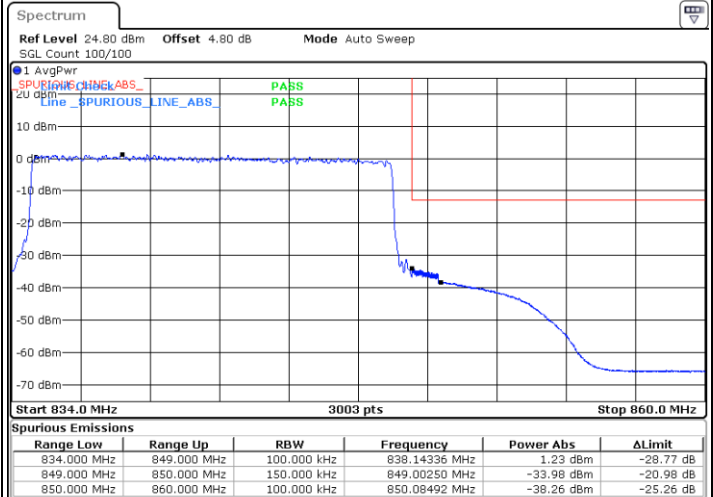
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



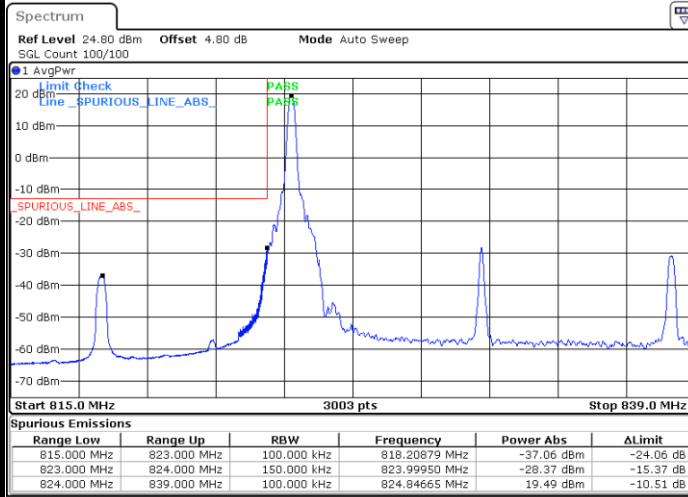
Highest Band Edge / Full RB



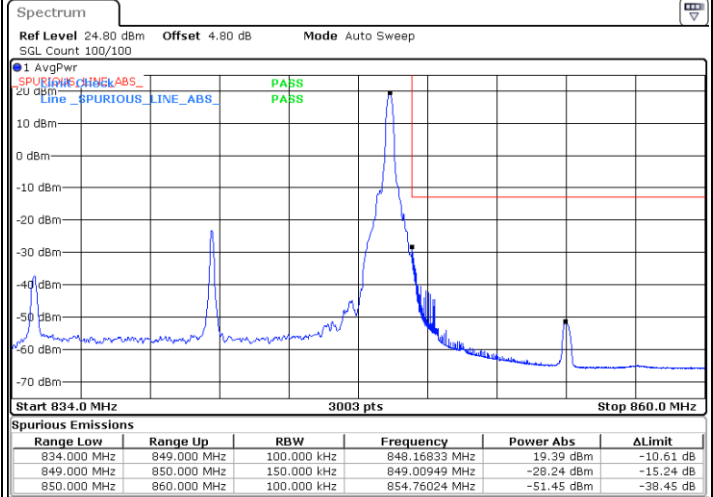


LTE Band 26 / 15MHz / 16QAM

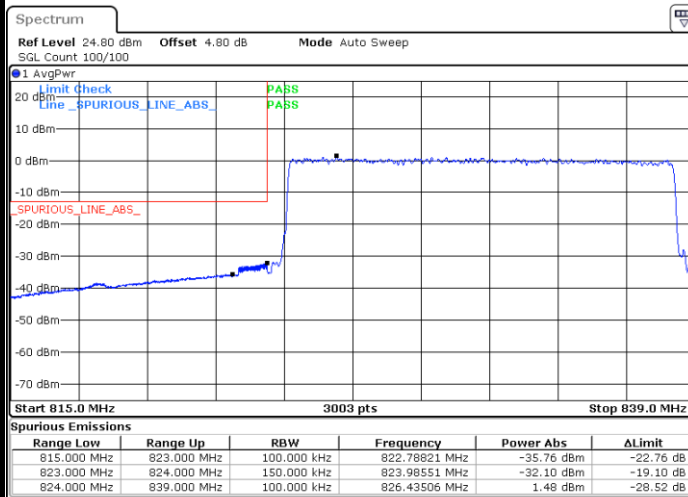
Lowest Band Edge / 1 RB



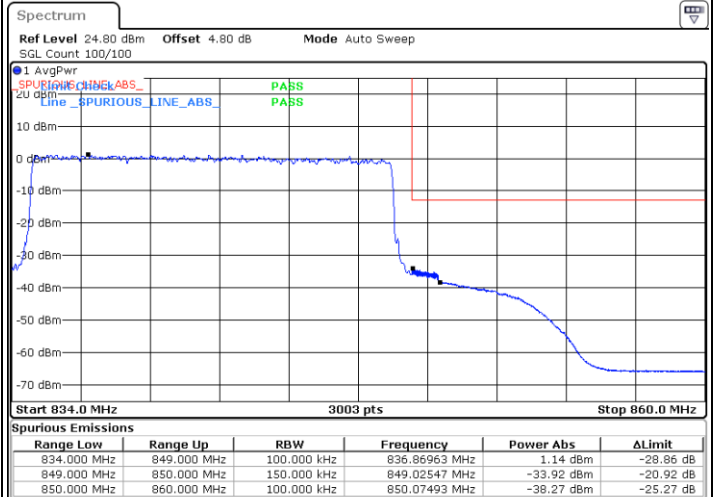
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

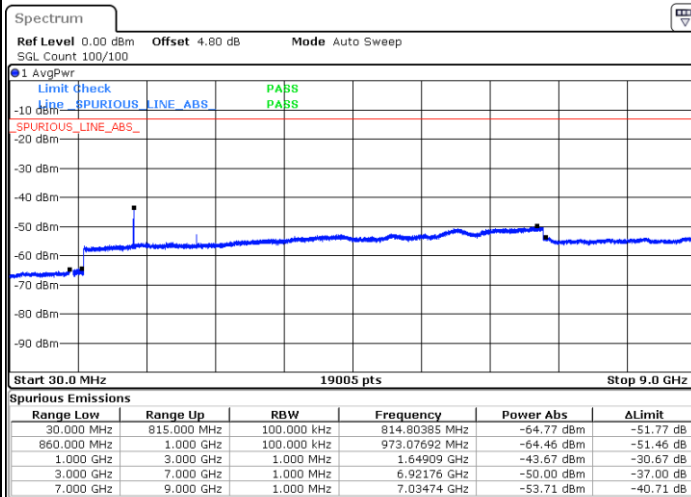




Conducted Spurious Emission

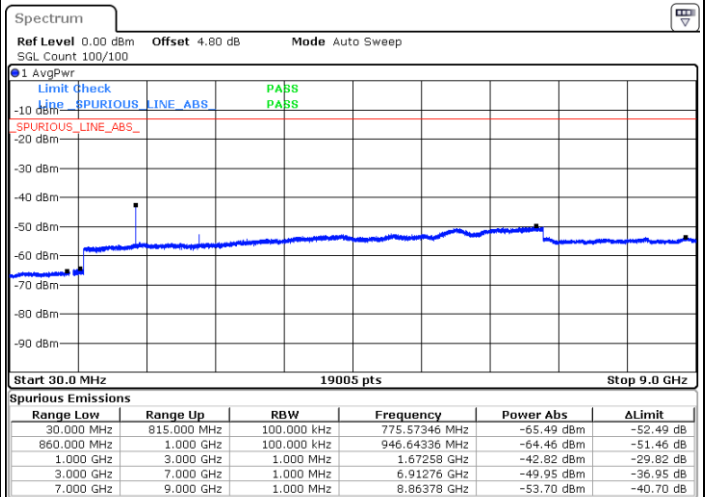
LTE Band 26 / 1.4MHz

Lowest Channel / QPSK



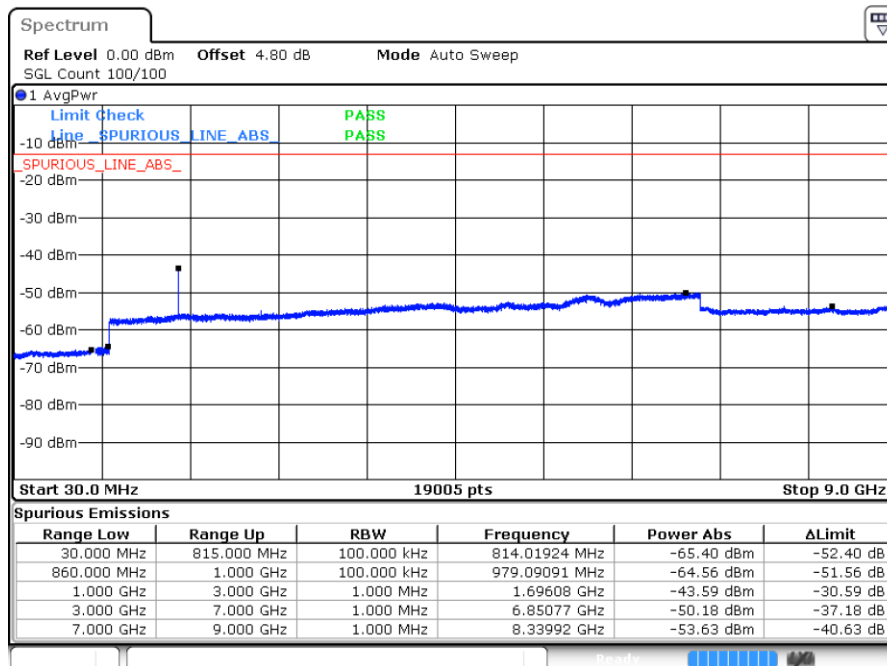
Date: 12 JAN 2023 13:29:51

Middle Channel / QPSK



Date: 12 JAN 2023 13:31:57

Highest Channel / QPSK

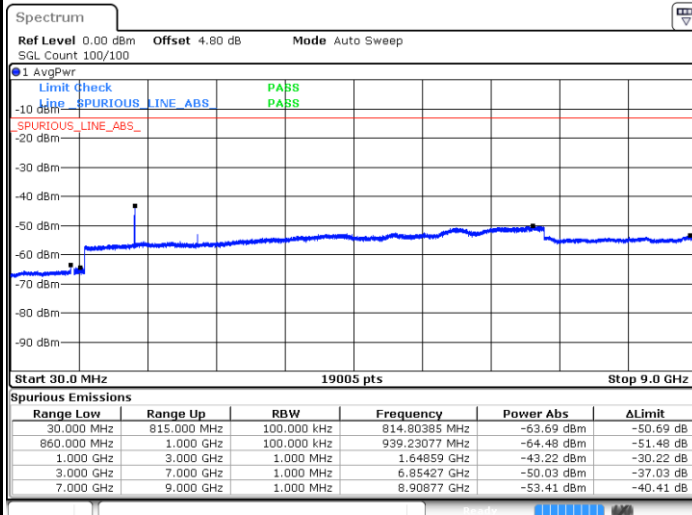


Date: 12 JAN 2023 13:38:56

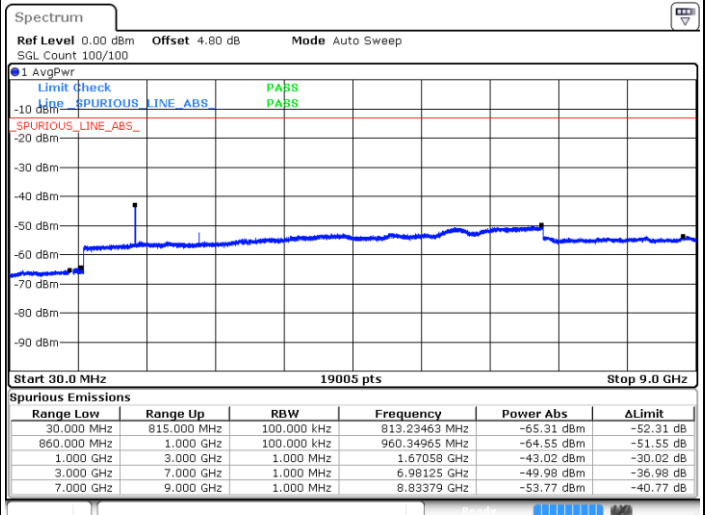


LTE Band 26 / 3MHz

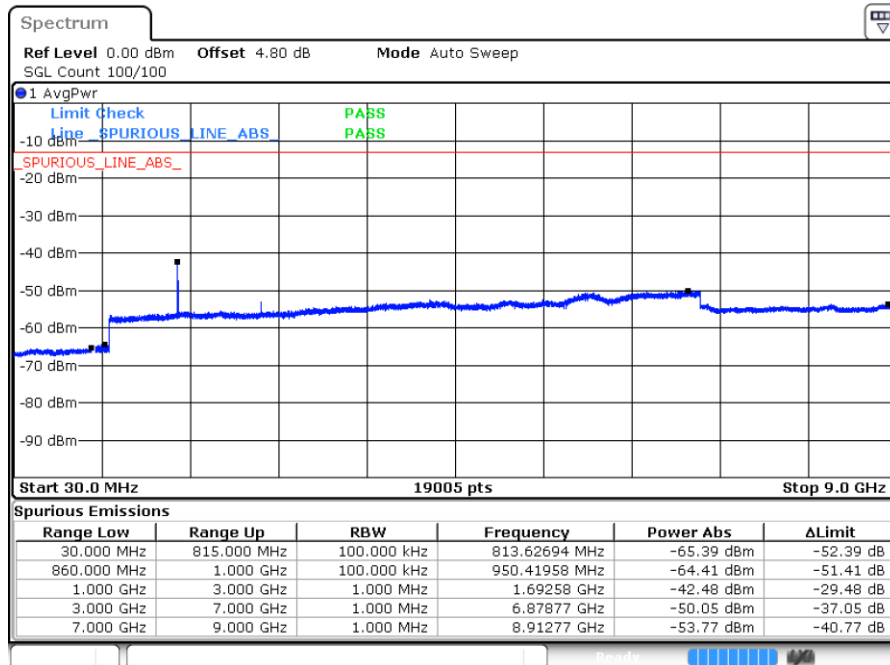
Lowest Channel / QPSK



Middle Channel / QPSK



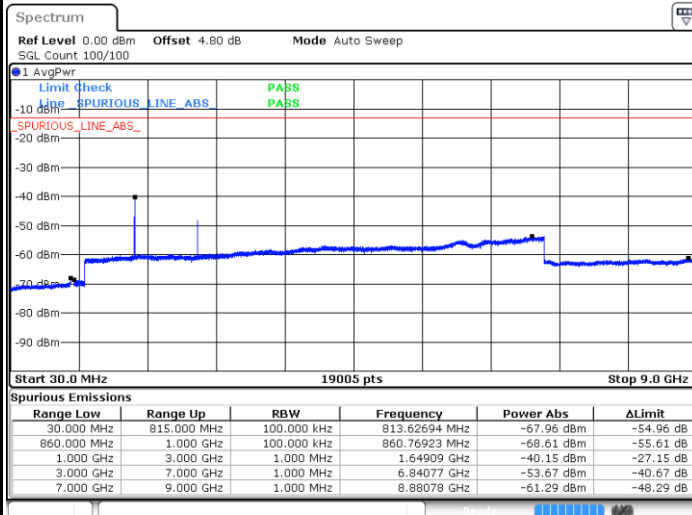
Highest Channel / QPSK





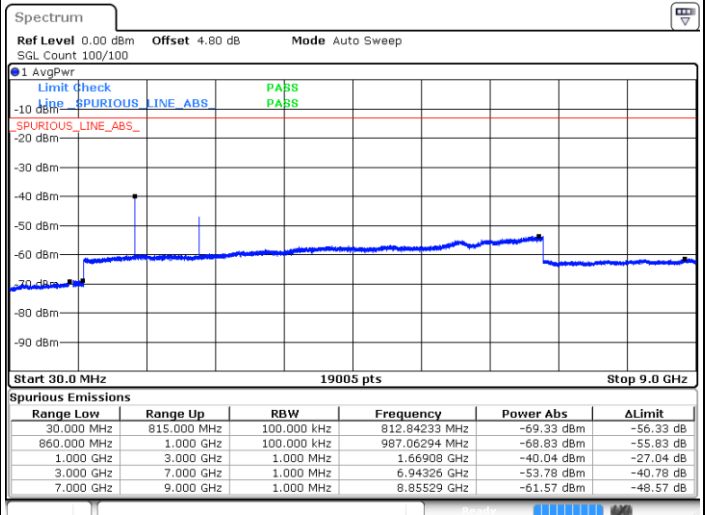
LTE Band 26 / 5MHz

Lowest Channel / QPSK



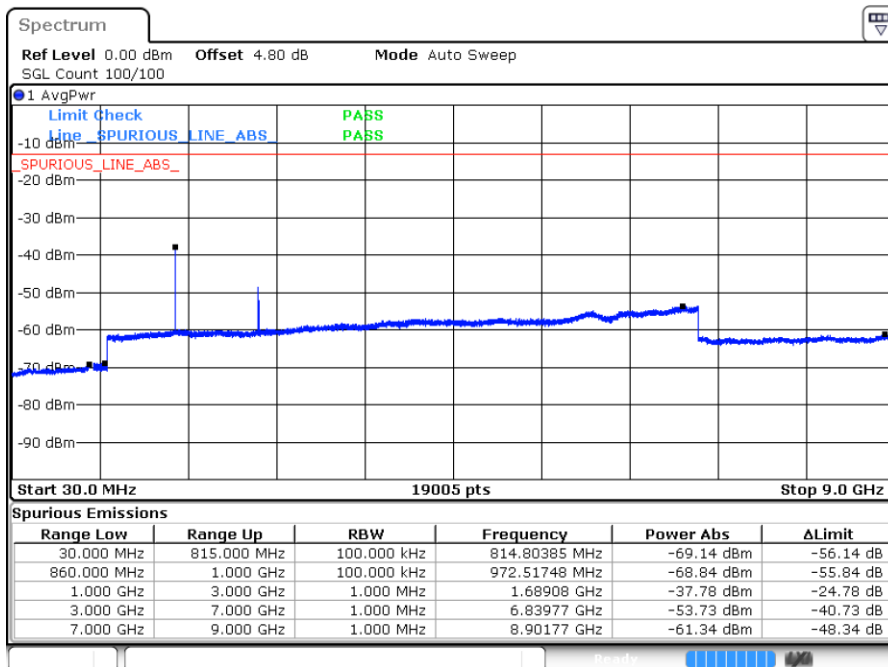
Date: 12 JAN 2023 14:51:47

Middle Channel / QPSK



Date: 12 JAN 2023 14:53:26

Highest Channel / QPSK

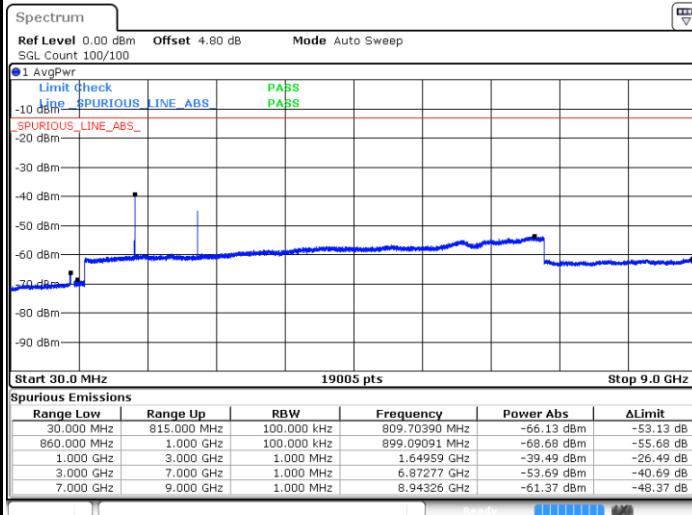


Date: 12 JAN 2023 14:55:07



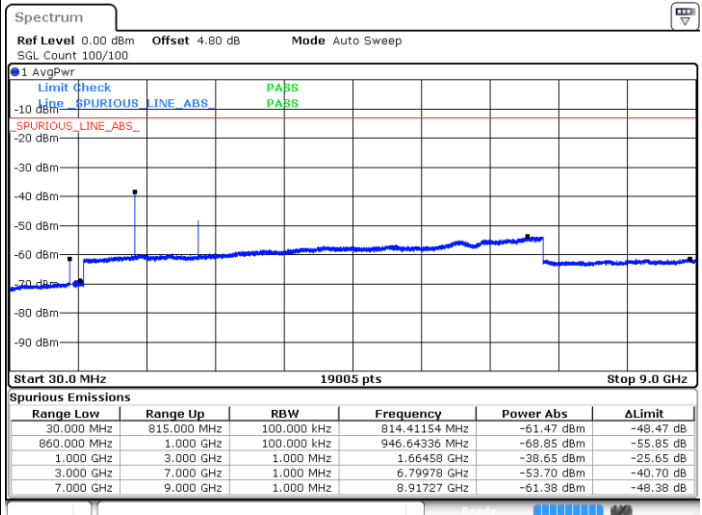
LTE Band 26 / 10MHz

Lowest Channel / QPSK



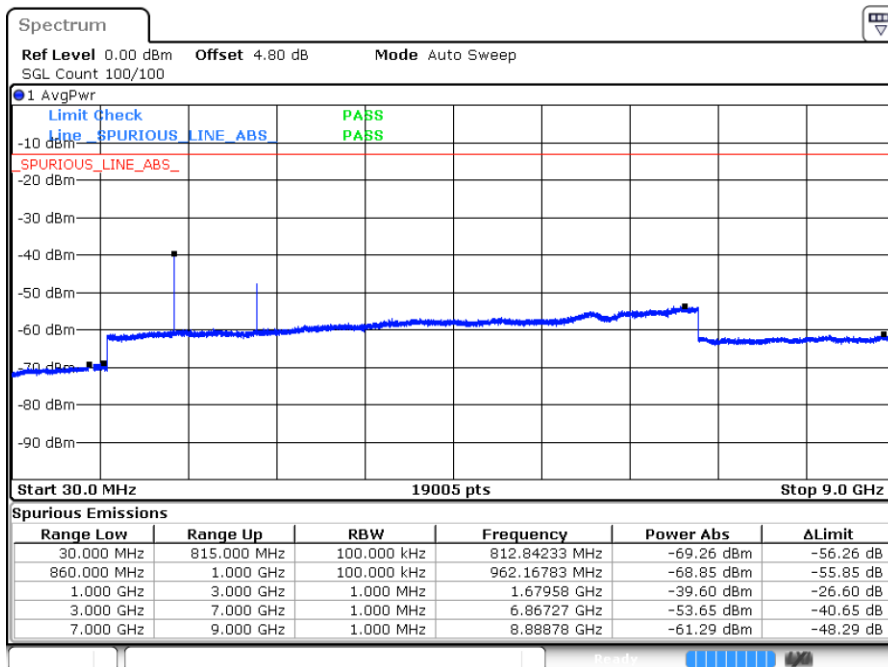
Date: 12 JAN 2023 15:24:44

Middle Channel / QPSK



Date: 12 JAN 2023 15:30:06

Highest Channel / QPSK

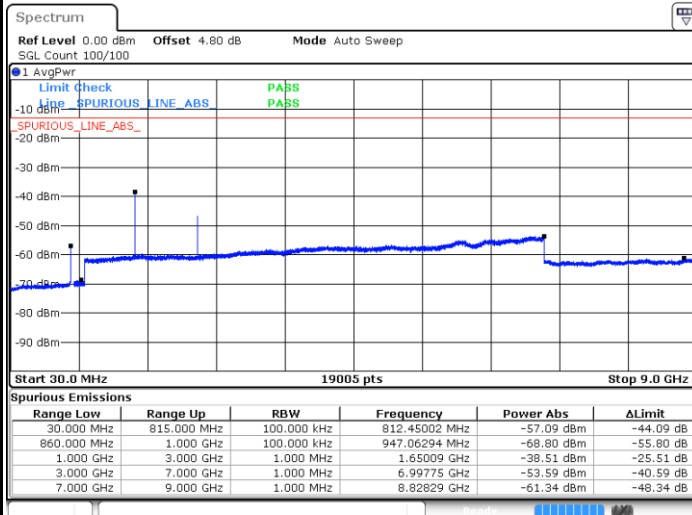


Date: 12 JAN 2023 15:31:55



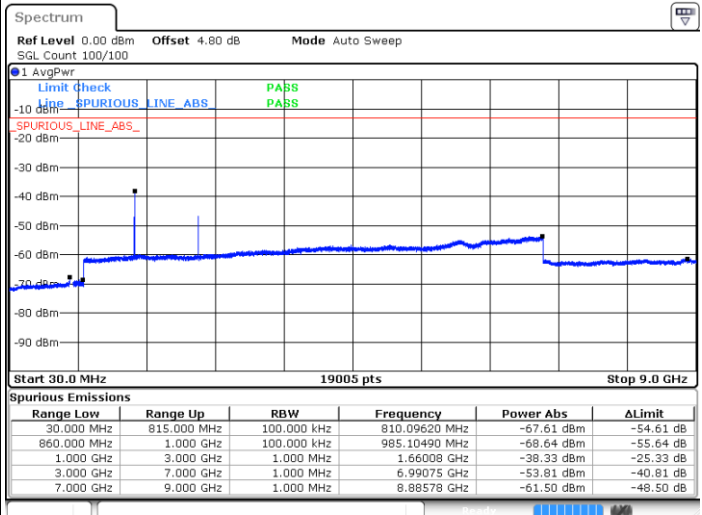
LTE Band 26 / 15MHz

Lowest Channel / QPSK



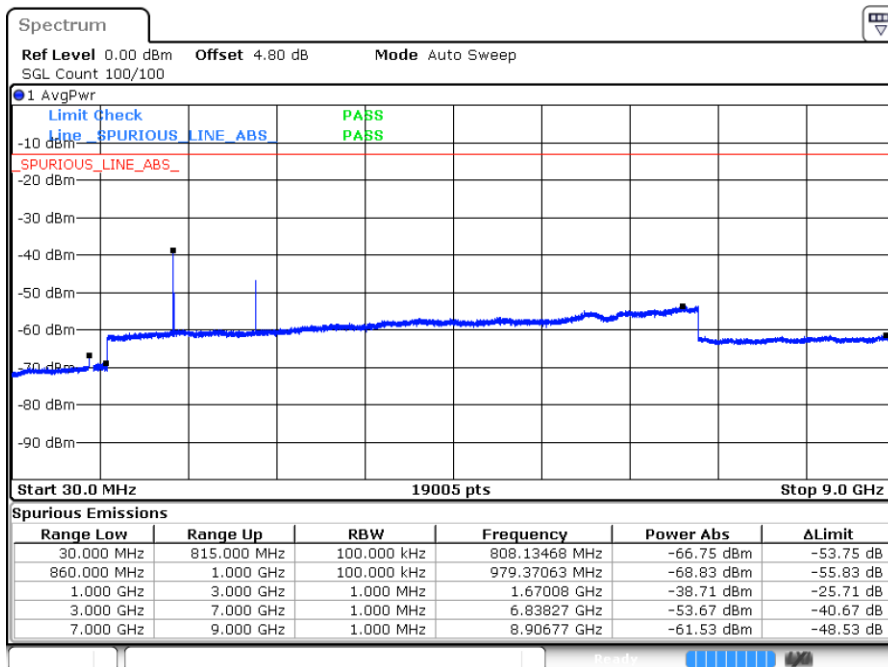
Date: 12 JAN 2023 16:02:55

Middle Channel / QPSK



Date: 12 JAN 2023 16:04:31

Highest Channel / QPSK



Date: 12 JAN 2023 16:06:51

**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	0.0034	PASS
40	Normal Voltage	0.0022	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0025	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	End Point	0.0014	

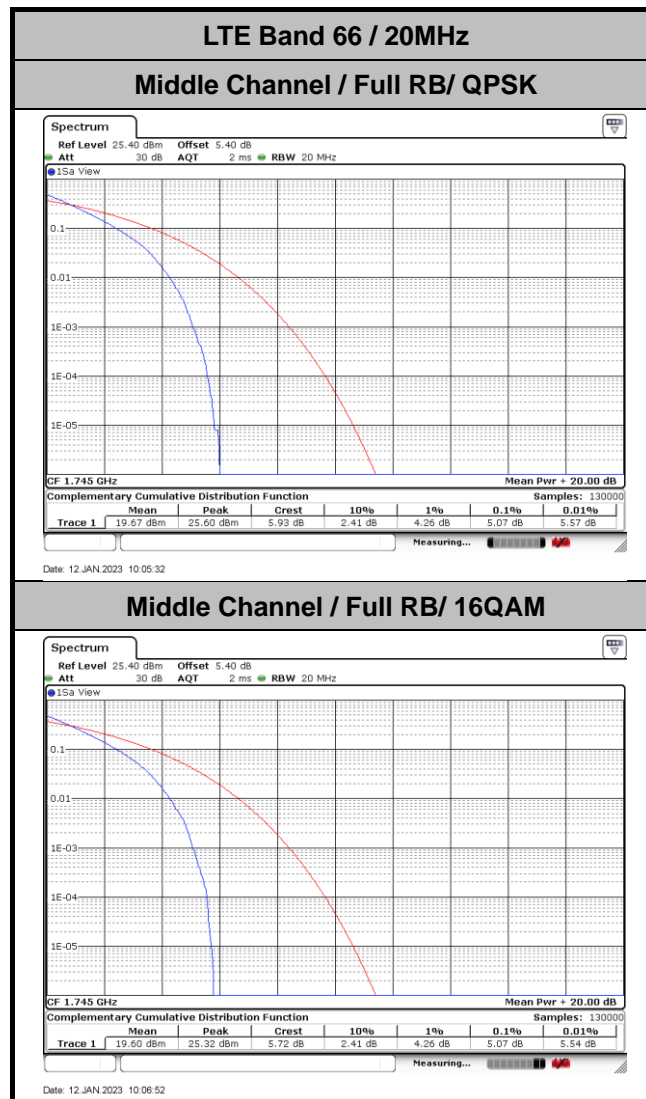
Note: Normal Voltage =3.8 V. ; End Point (BEP) =3.55 V. ; Maximum Voltage =4.4 V.



LTE Band 66

Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	5.07	5.07	PASS



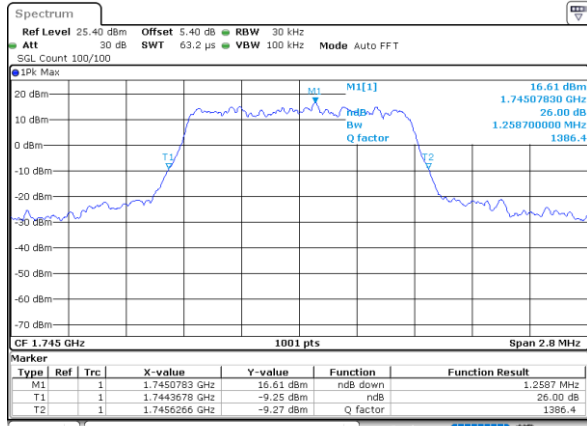
**26dB Bandwidth**

Mode	LTE Band 66 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.26	1.30
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.02	3.00
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.99	4.93
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.81	9.99
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.48	14.45
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.62	18.98

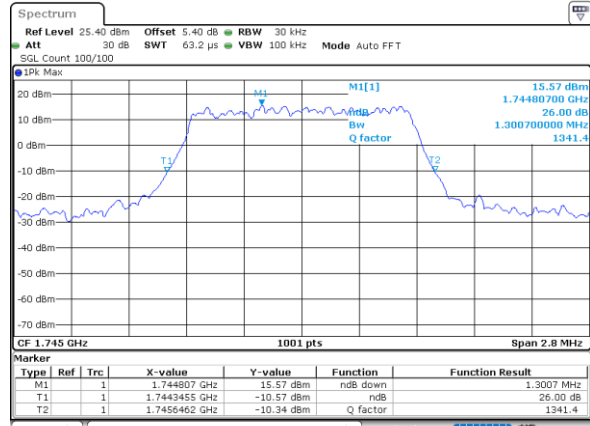


LTE Band 66

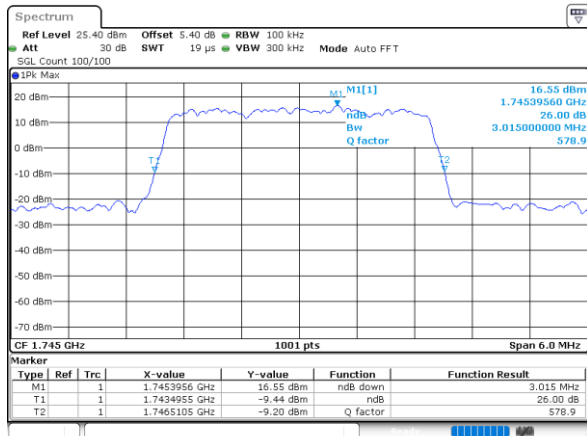
Middle Channel / 1.4MHz / QPSK



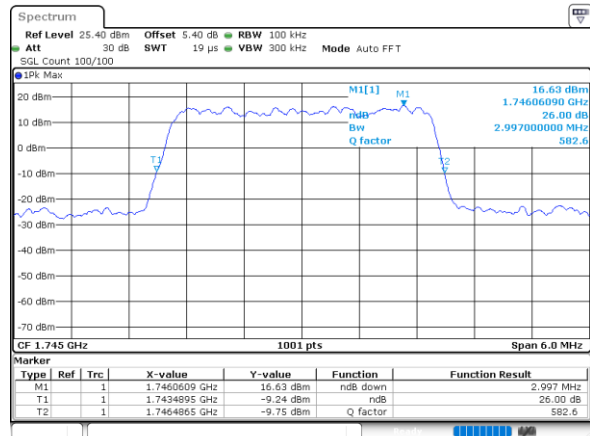
Middle Channel / 1.4MHz / 16QAM



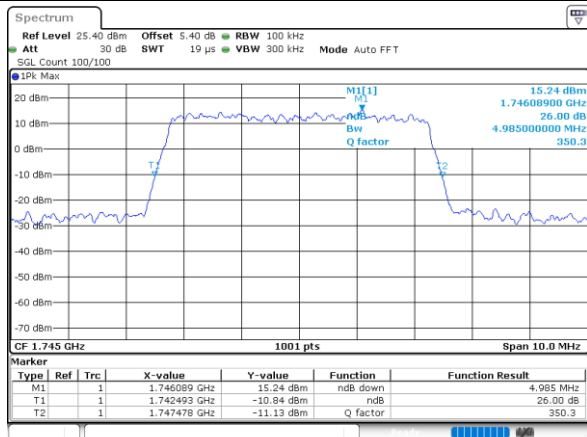
Middle Channel / 3MHz / QPSK



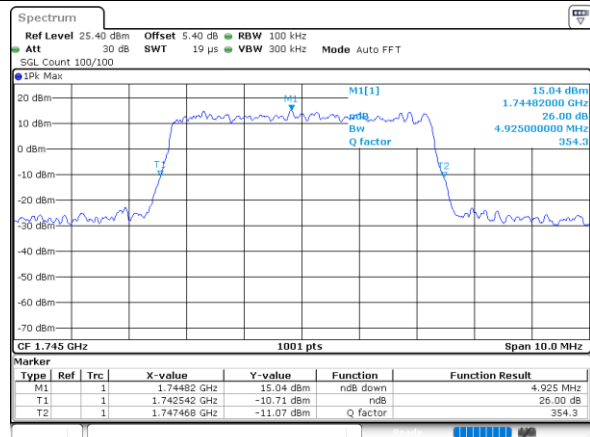
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



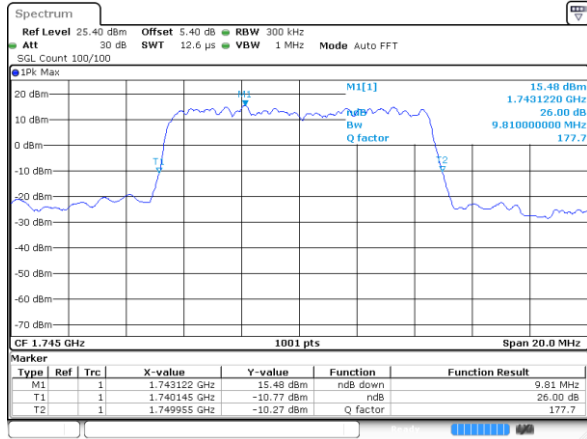
Middle Channel / 5MHz / 16QAM





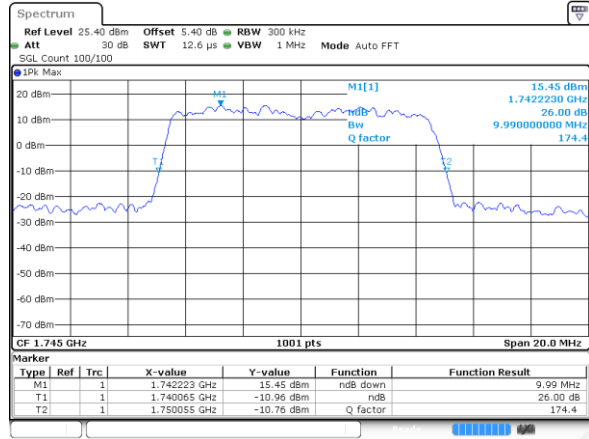
LTE Band 66

Middle Channel / 10MHz / QPSK



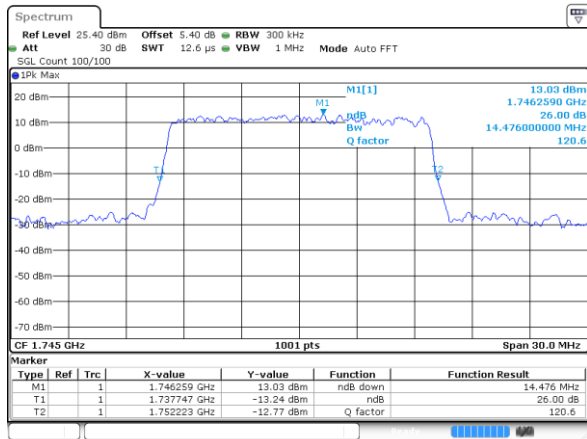
Date: 12 JAN 2023 09:03:03

Middle Channel / 10MHz / 16QAM



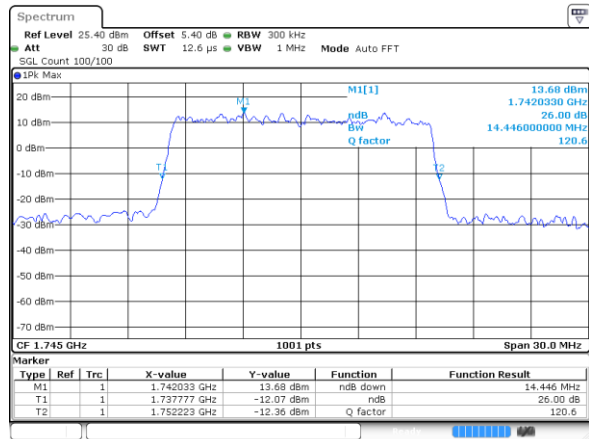
Date: 12 JAN 2023 09:04:08

Middle Channel / 15MHz / QPSK



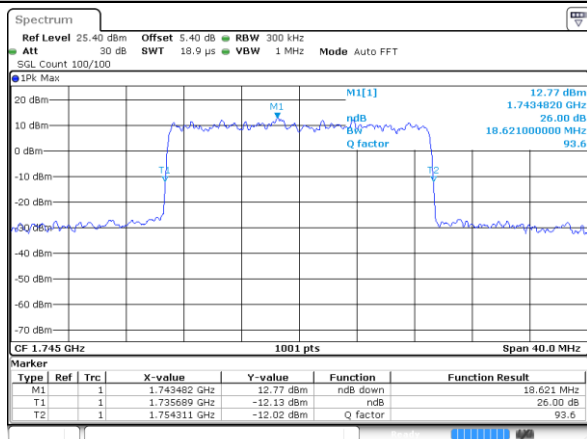
Date: 12 JAN 2023 09:30:34

Middle Channel / 15MHz / 16QAM



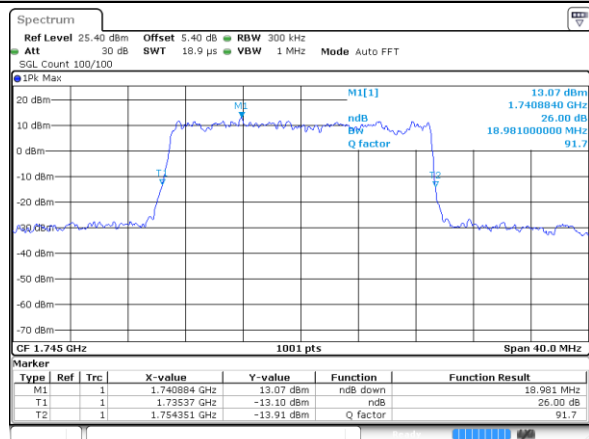
Date: 12 JAN 2023 09:32:18

Middle Channel / 20MHz / QPSK



Date: 12 JAN 2023 09:54:48

Middle Channel / 20MHz / 16QAM



Date: 12 JAN 2023 09:56:01

**Occupied Bandwidth**

Mode	LTE Band 66 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.10	1.09
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.73	2.73
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.50	4.50
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.03	9.01
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.52	13.40
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.86	17.94