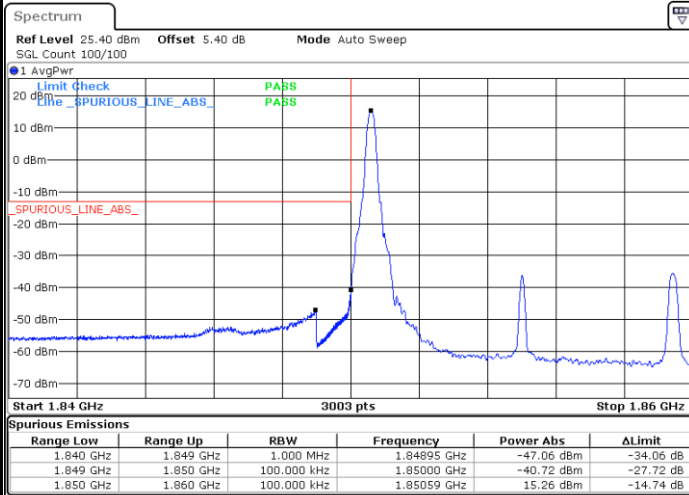


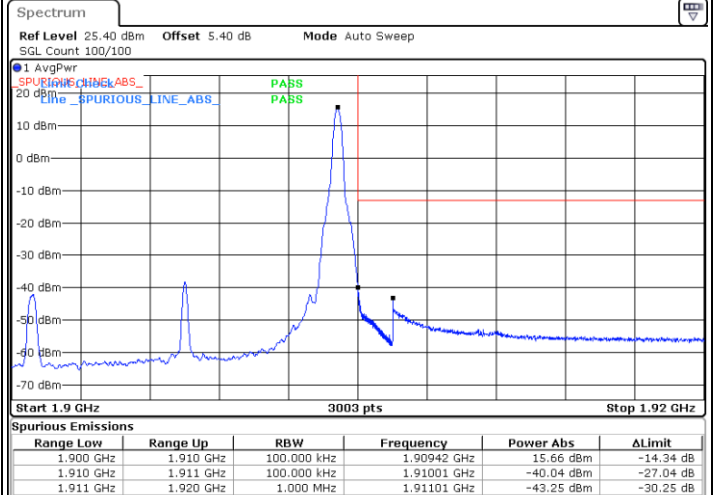


LTE Band 2 / 10MHz / 256QAM

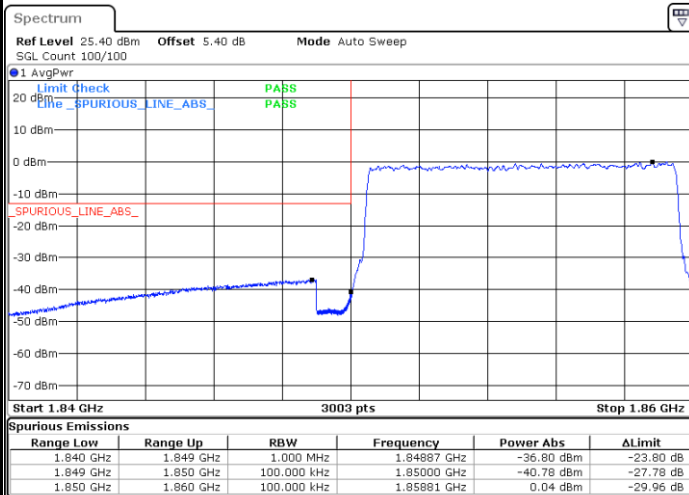
Lowest Band Edge / 1 RB



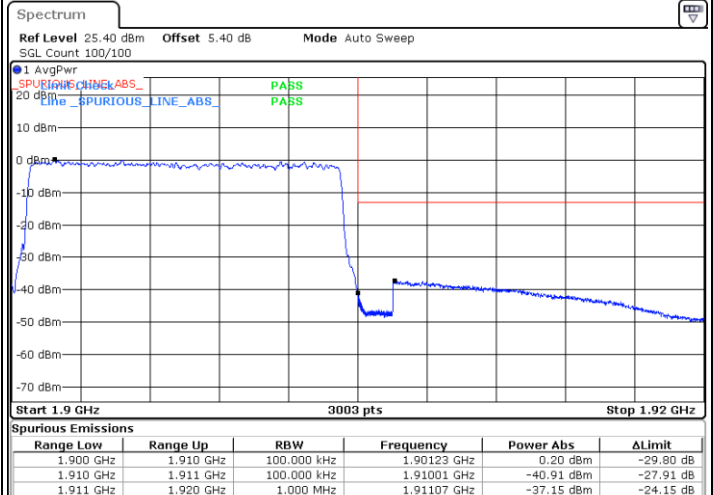
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



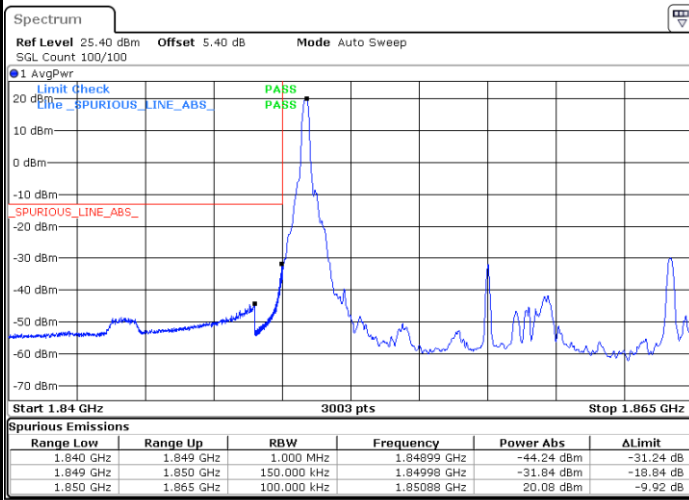
Highest Band Edge / Full RB



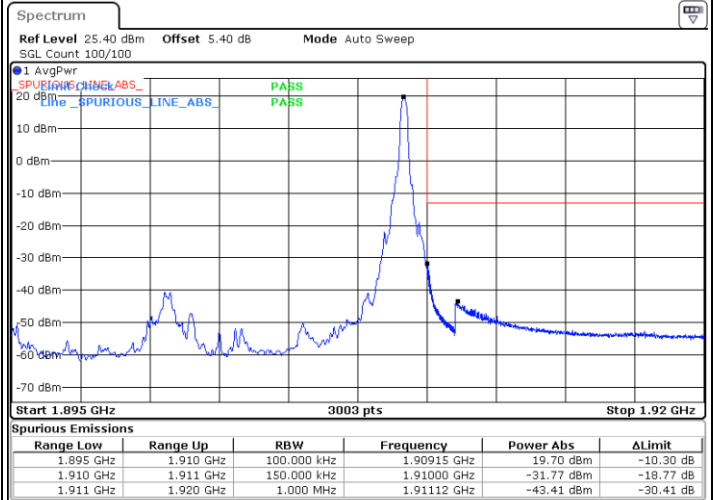
LTE Band 2 / 15MHz / QPSK



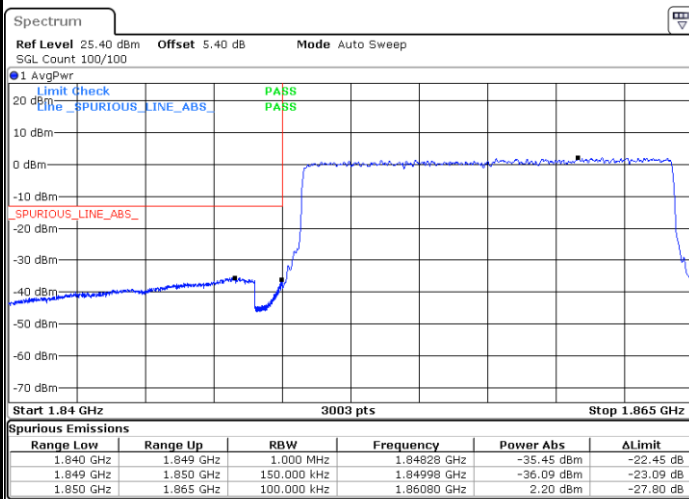
Lowest Band Edge / 1 RB



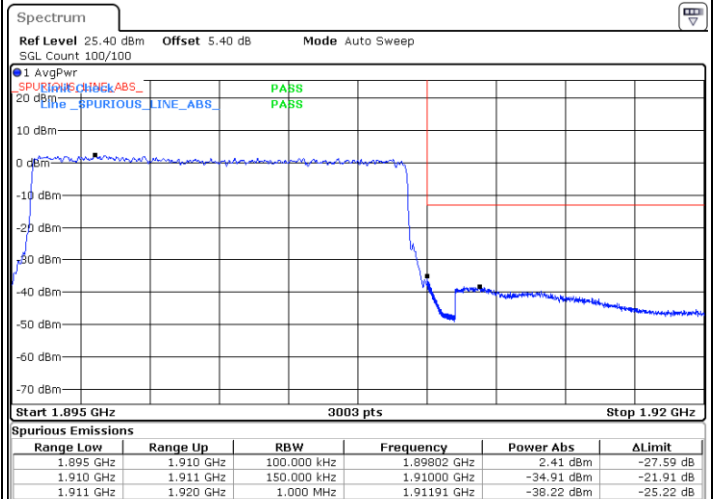
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



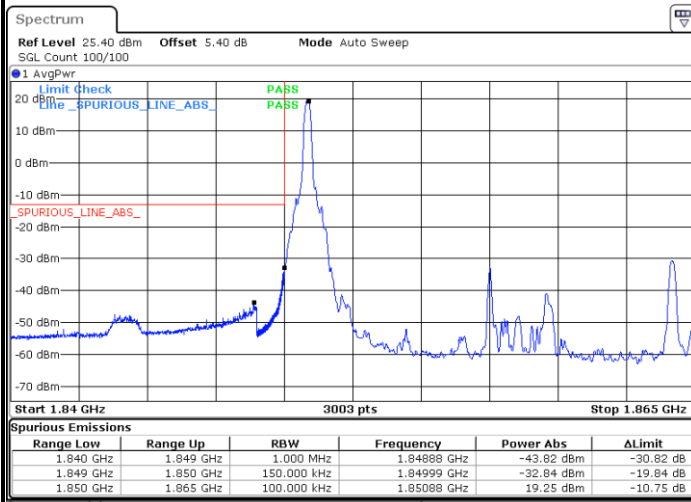
Highest Band Edge / Full RB



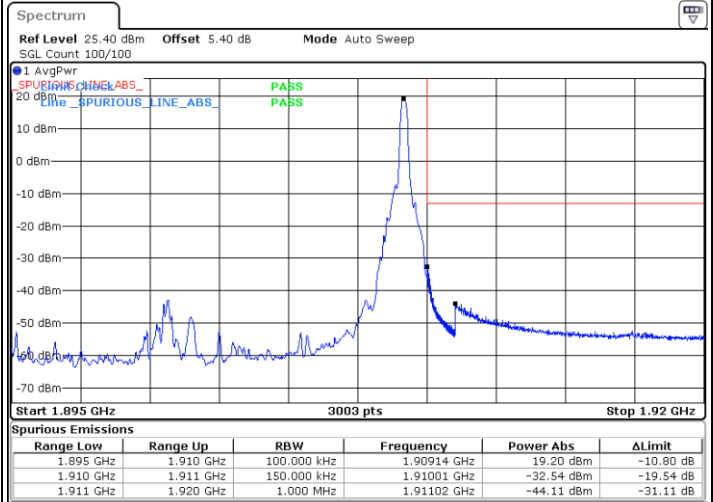


LTE Band 2 / 15MHz / 16QAM

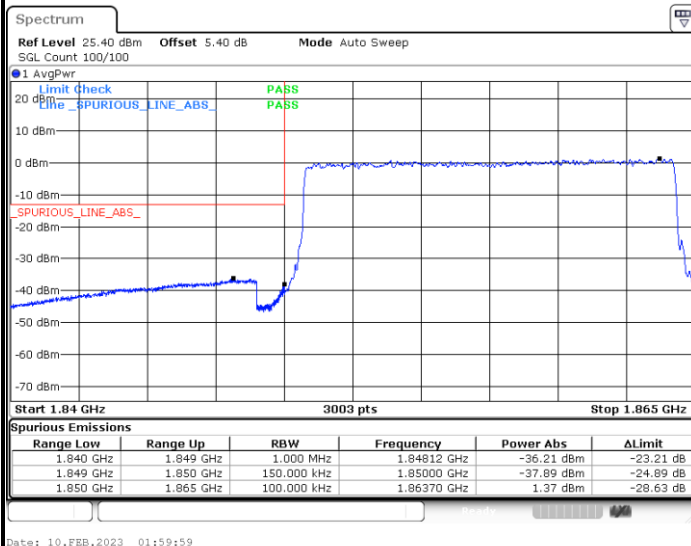
Lowest Band Edge / 1 RB



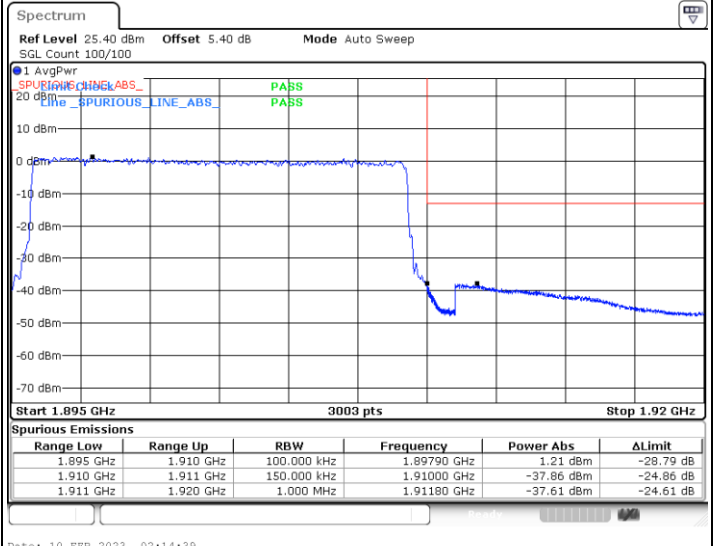
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



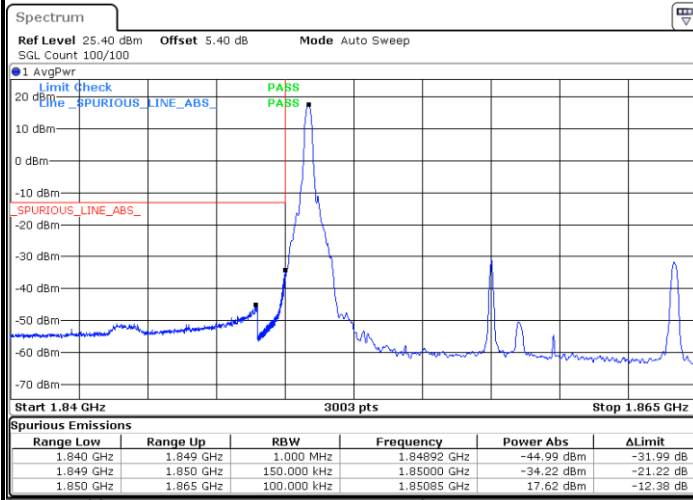
Highest Band Edge / Full RB



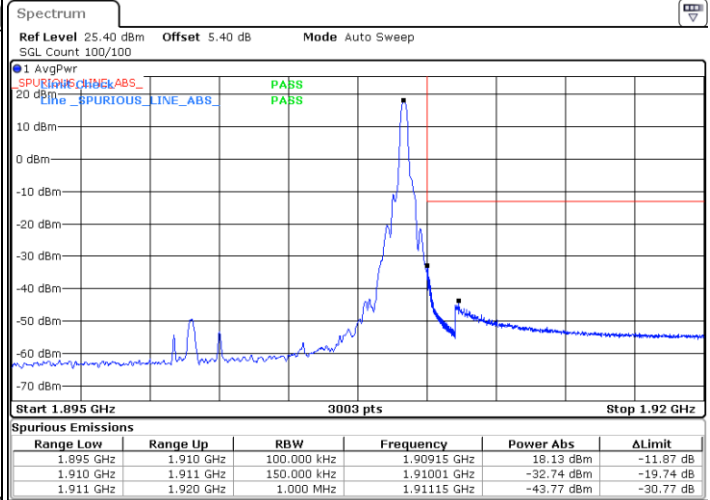


LTE Band 2 / 15MHz / 64QAM

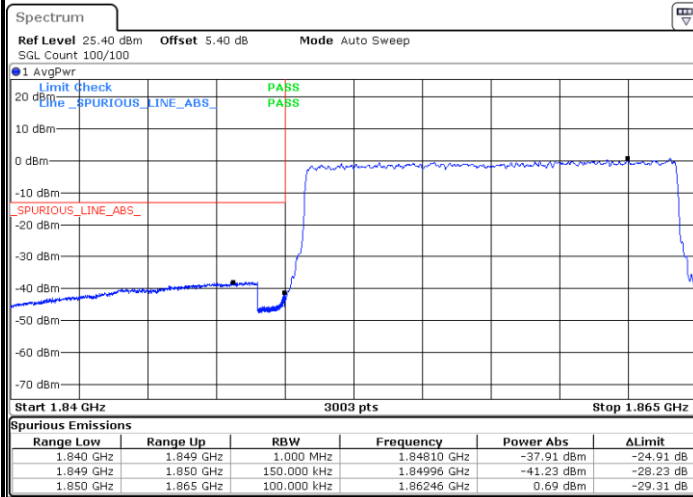
Lowest Band Edge / 1 RB



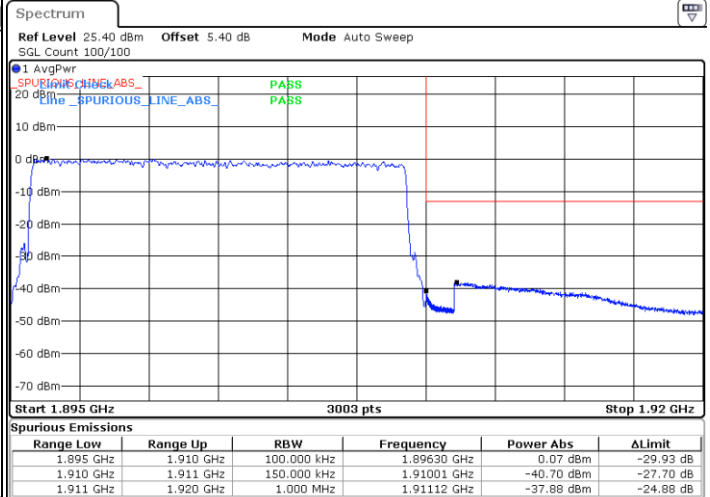
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



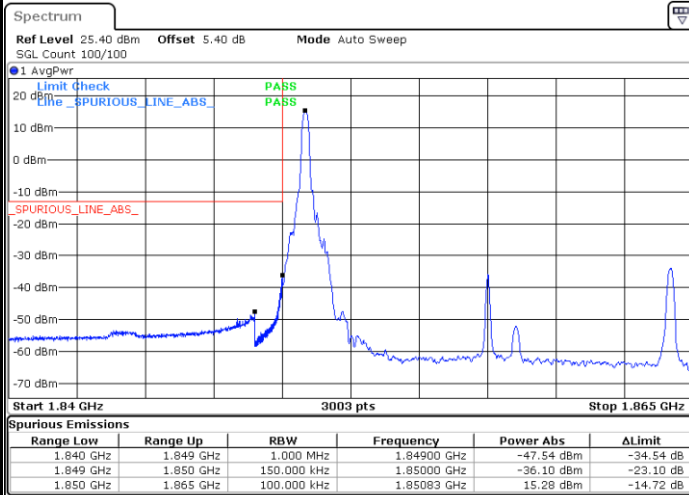
Highest Band Edge / Full RB



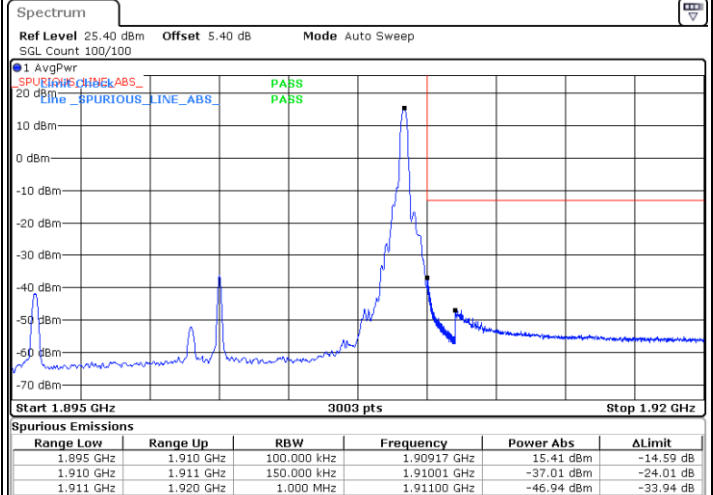


LTE Band 2 / 15MHz / 256QAM

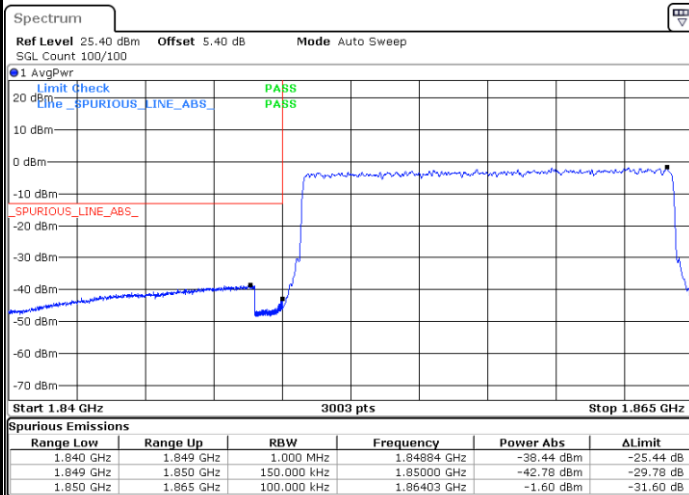
Lowest Band Edge / 1 RB



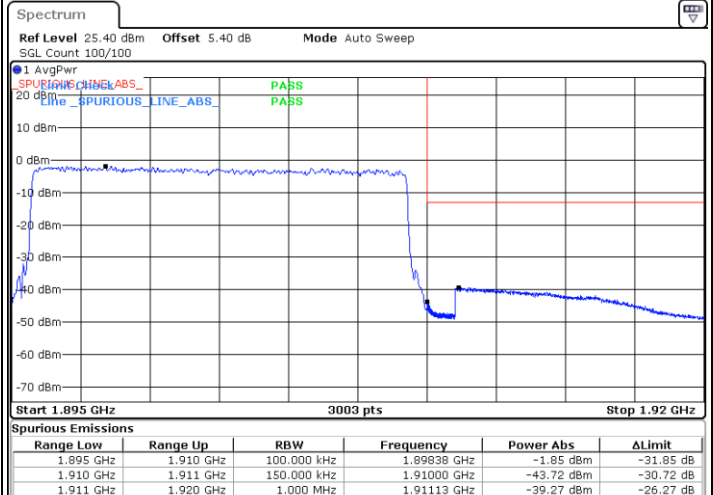
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



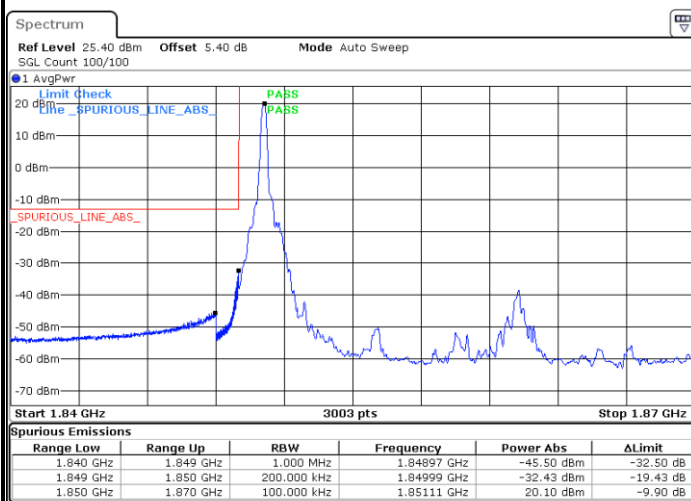
Highest Band Edge / Full RB



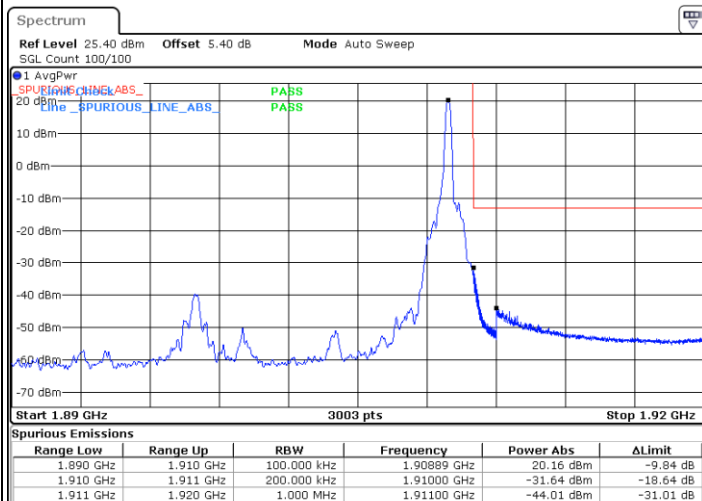
LTE Band 2 / 20MHz / QPSK



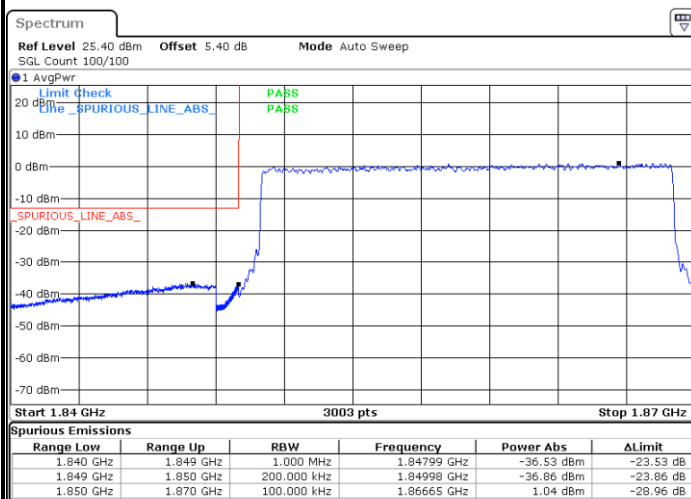
Lowest Band Edge / 1 RB



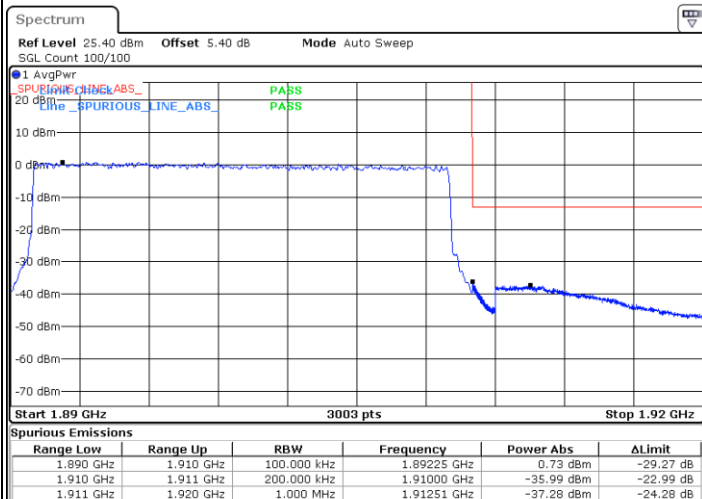
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



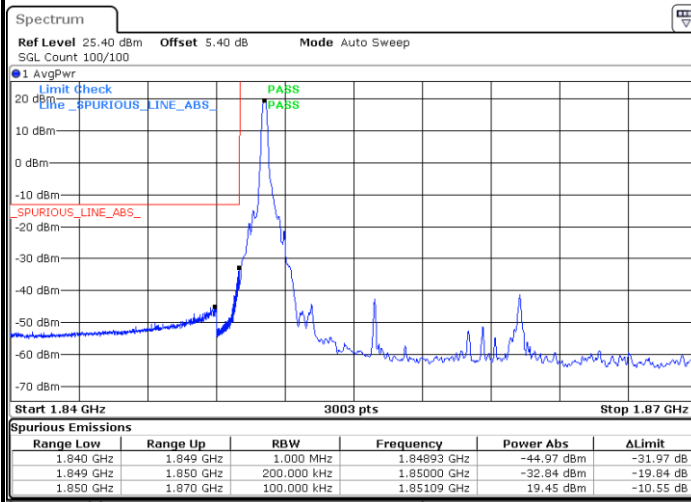
Highest Band Edge / Full RB



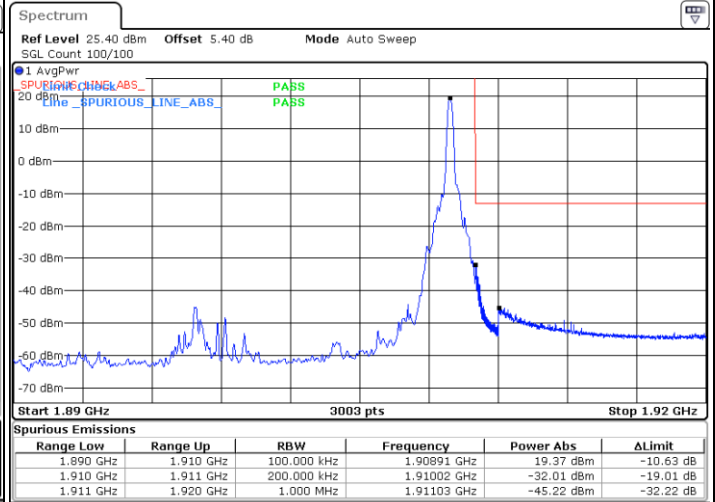


LTE Band 2 / 20MHz / 16QAM

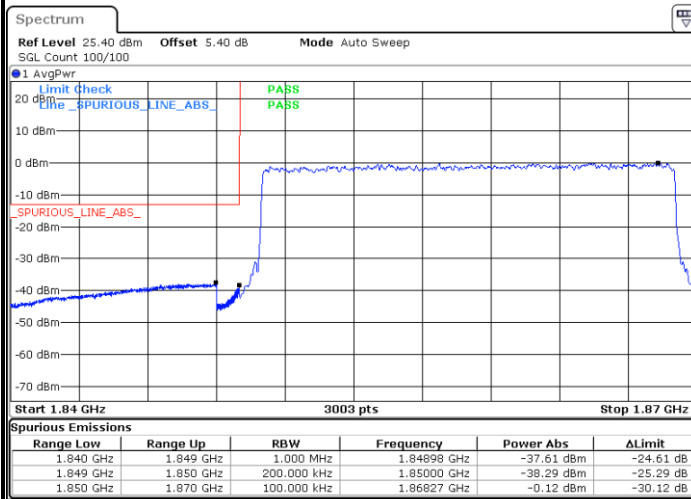
Lowest Band Edge / 1 RB



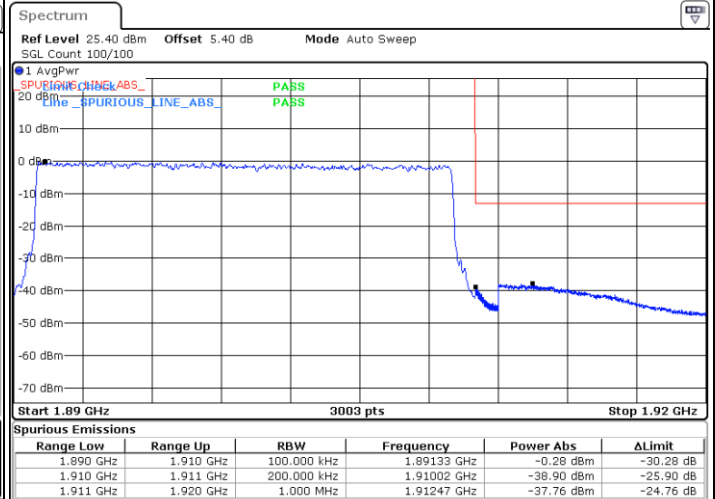
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



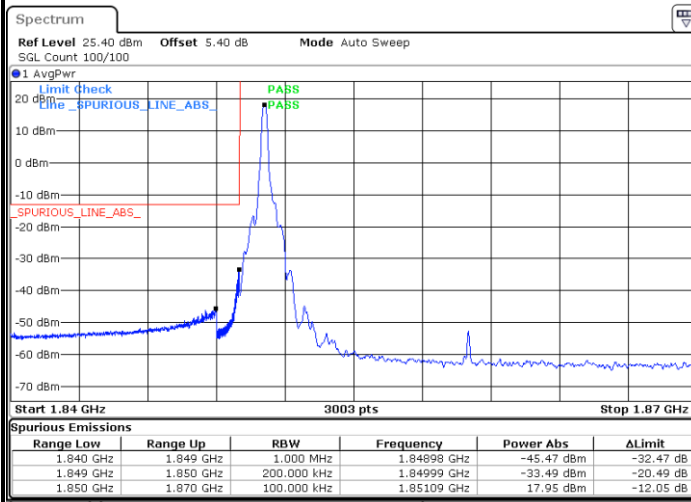
Highest Band Edge / Full RB



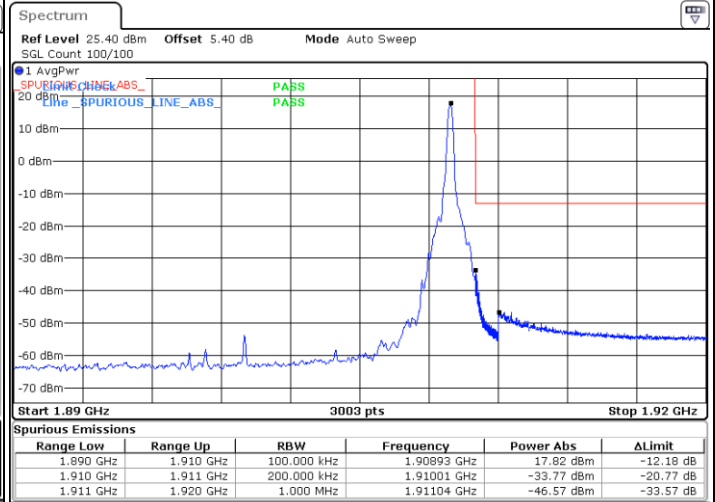


LTE Band 2 / 20MHz / 64QAM

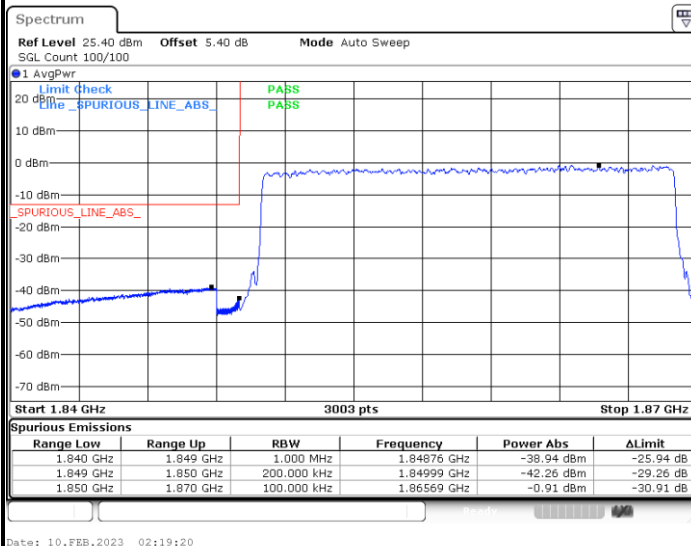
Lowest Band Edge / 1 RB



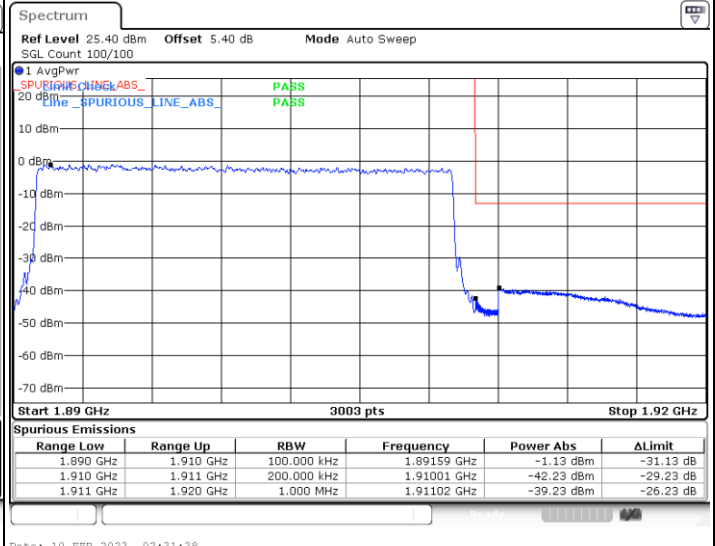
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



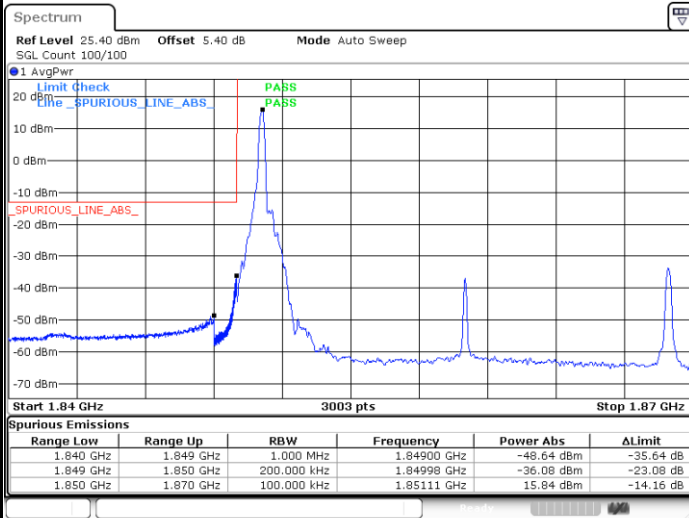
Highest Band Edge / Full RB



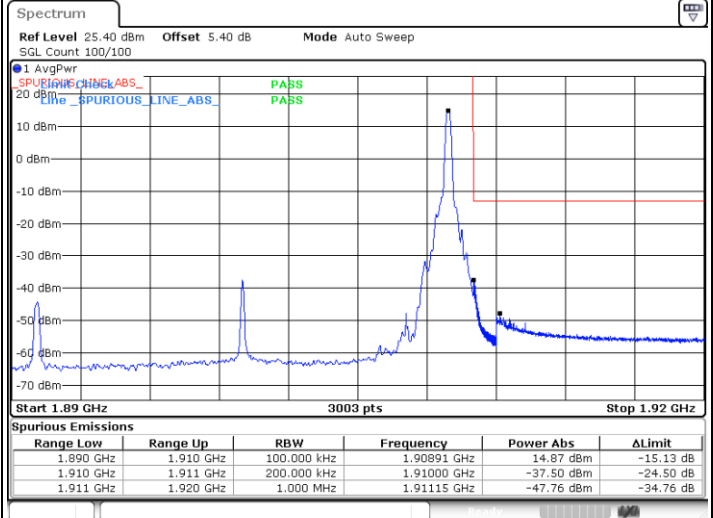
LTE Band 2 / 20MHz / 256QAM



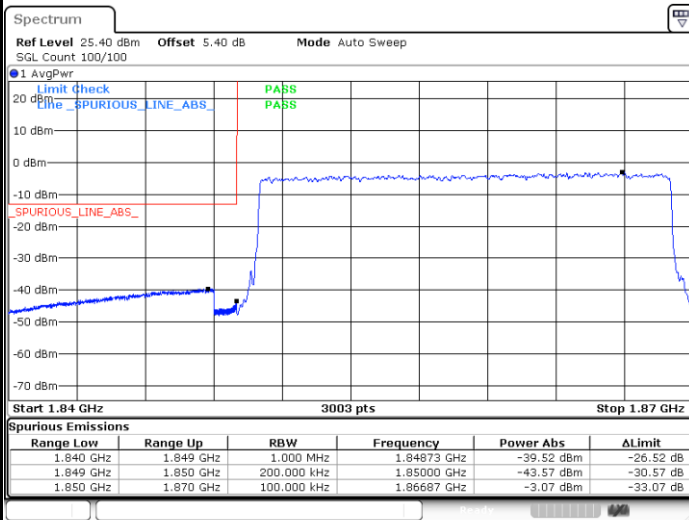
Lowest Band Edge / 1 RB



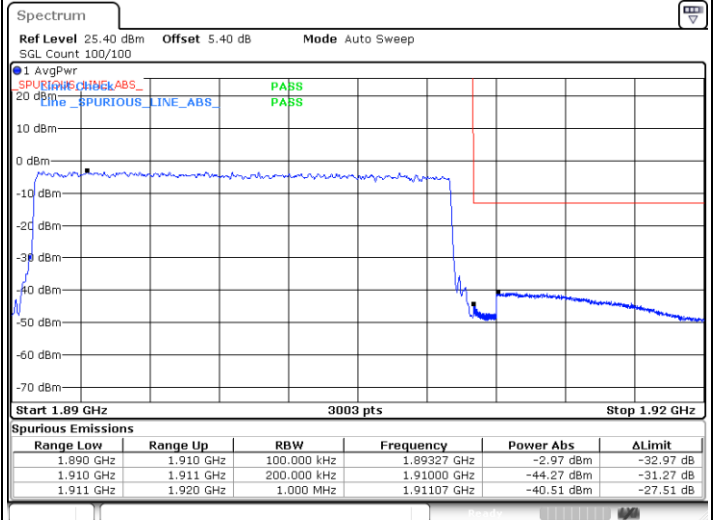
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

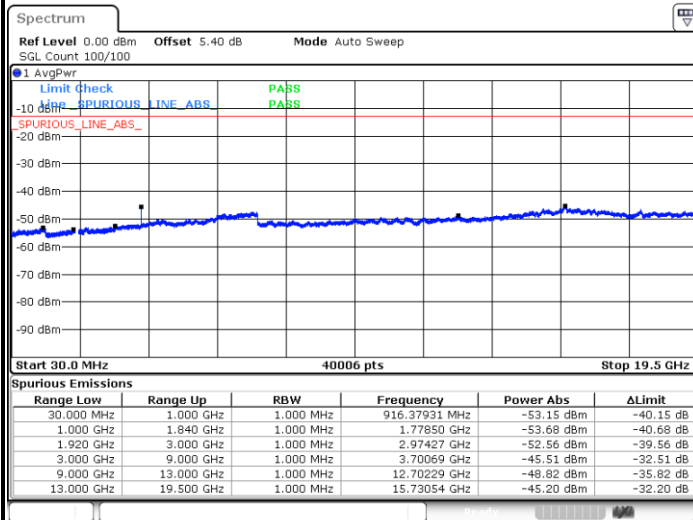




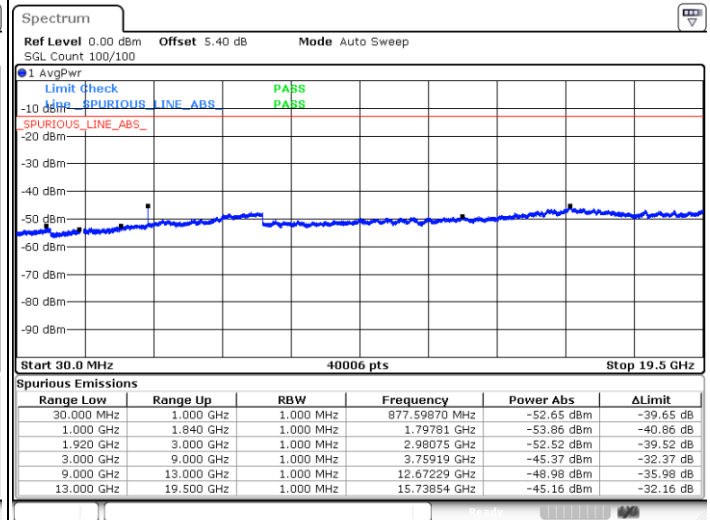
Conducted Spurious Emission

LTE Band 2 / 1.4MHz

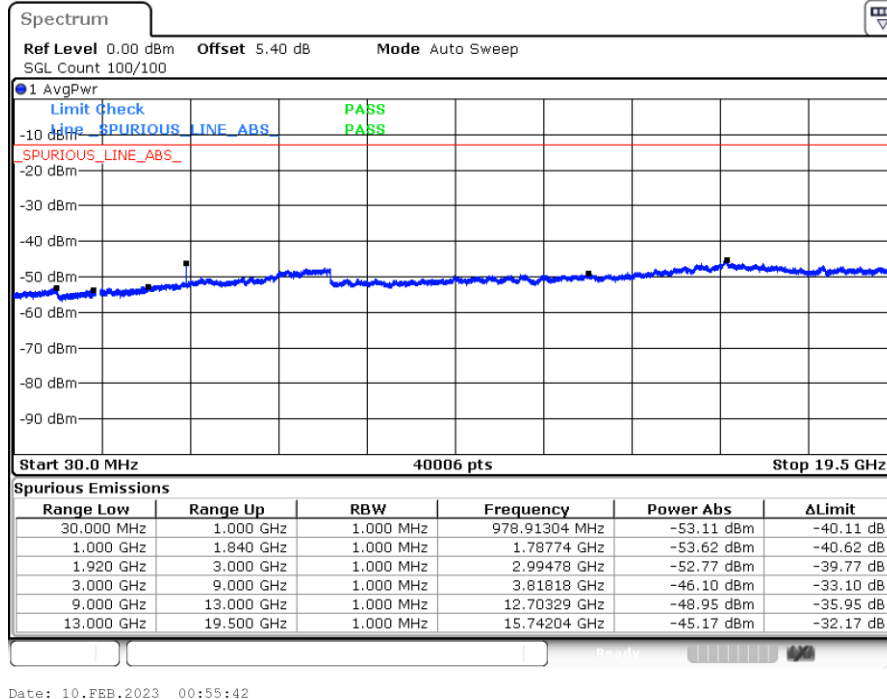
Lowest Channel / QPSK



Middle Channel / QPSK



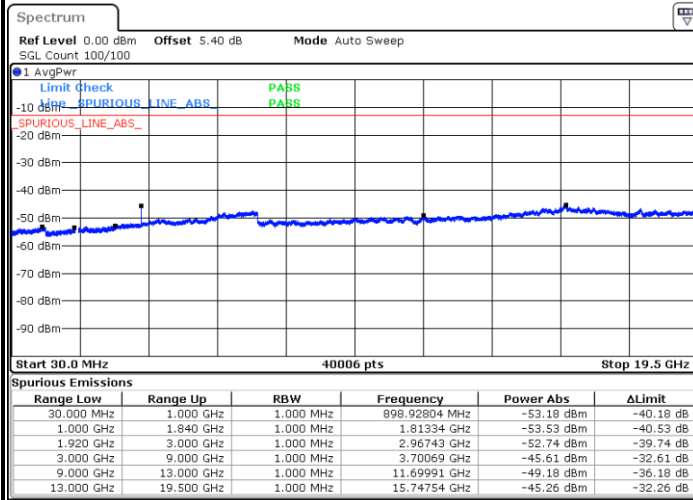
Highest Channel / QPSK





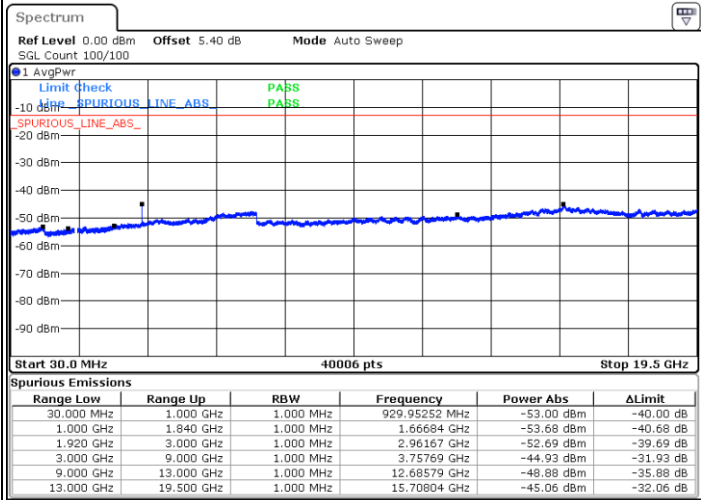
LTE Band 2 / 3MHz

Lowest Channel / QPSK



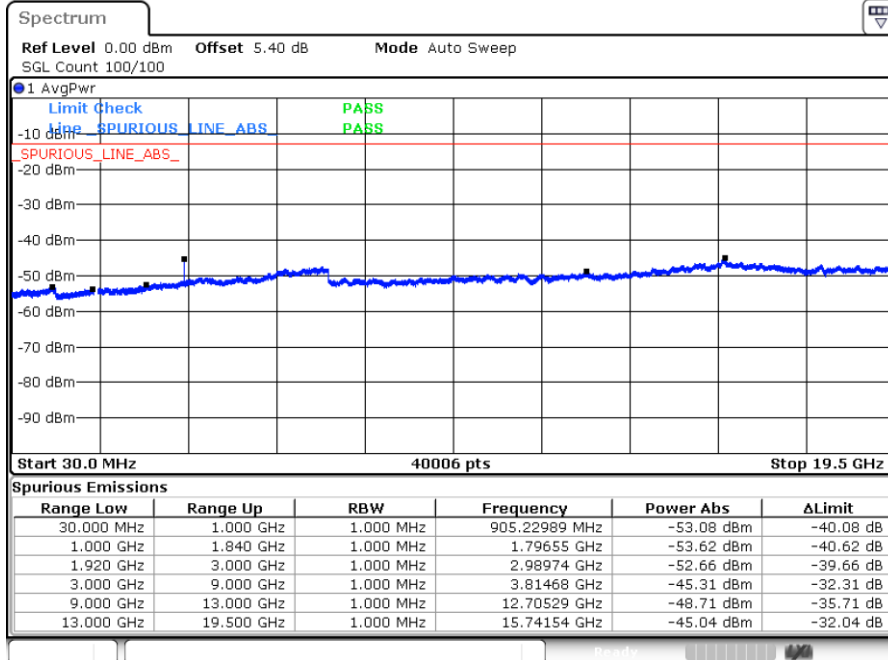
Date: 10.FEB.2023 01:11:29

Middle Channel / QPSK



Date: 10.FEB.2023 01:12:51

Highest Channel / QPSK

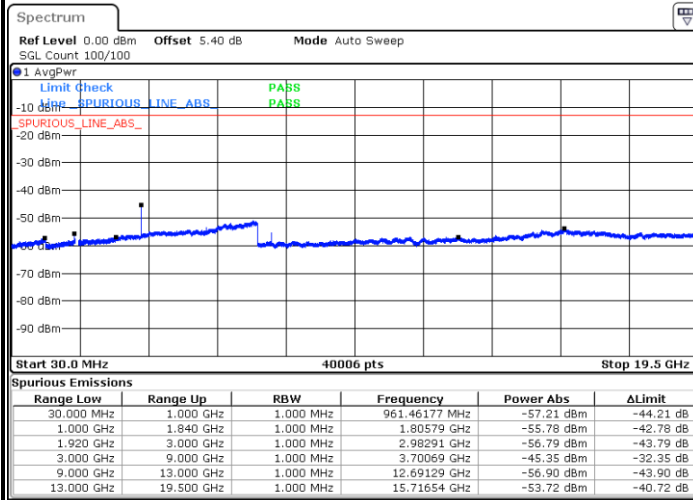


Date: 10.FEB.2023 01:14:13



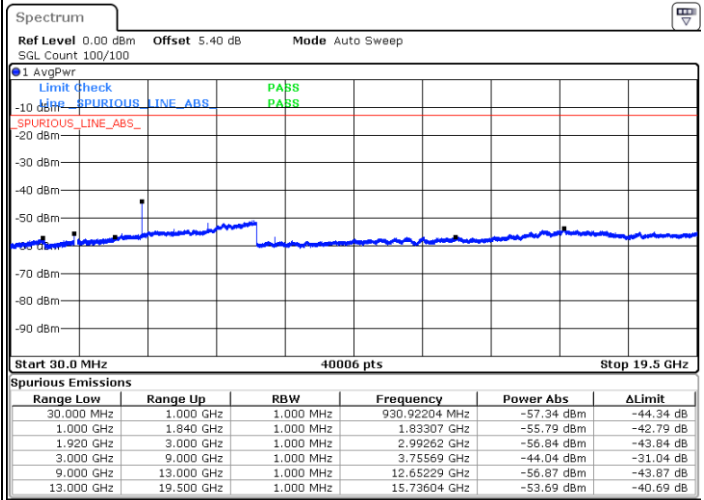
LTE Band 2 / 5MHz

Lowest Channel / QPSK



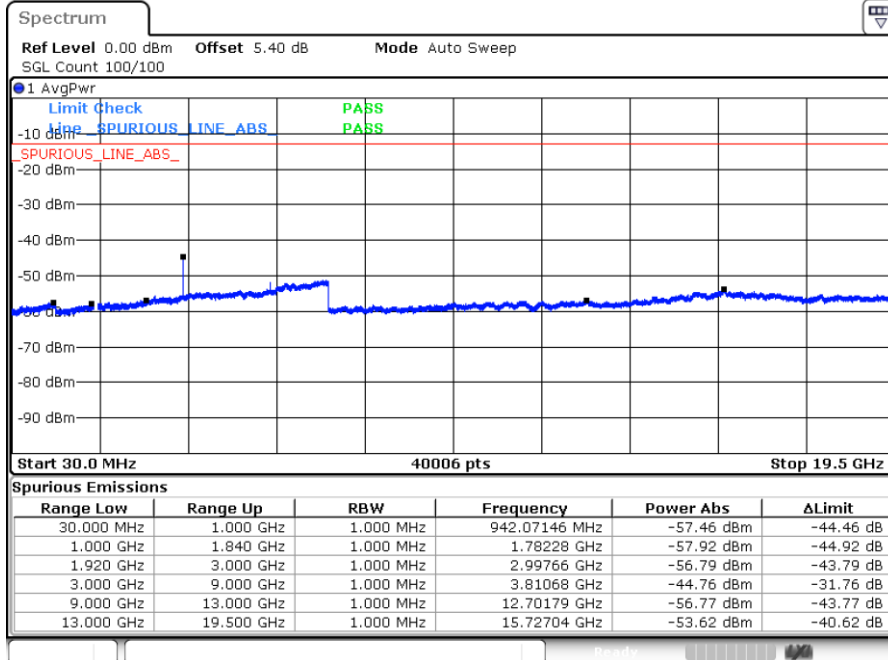
Date: 10.FEB.2023 01:29:41

Middle Channel / QPSK



Date: 10.FEB.2023 01:31:03

Highest Channel / QPSK

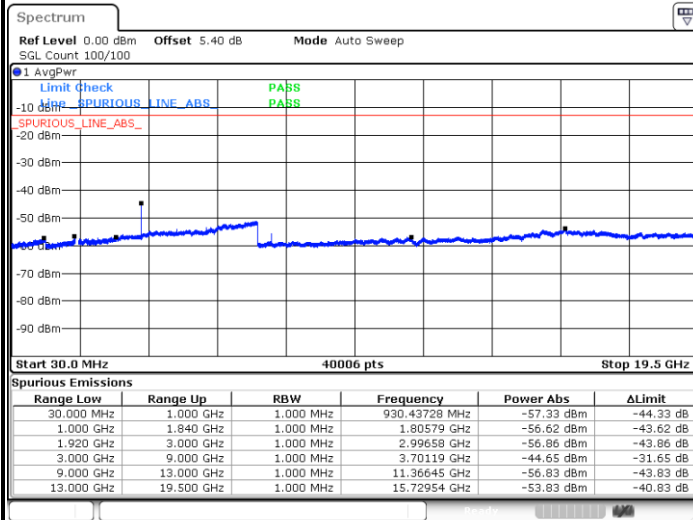


Date: 10.FEB.2023 01:32:25



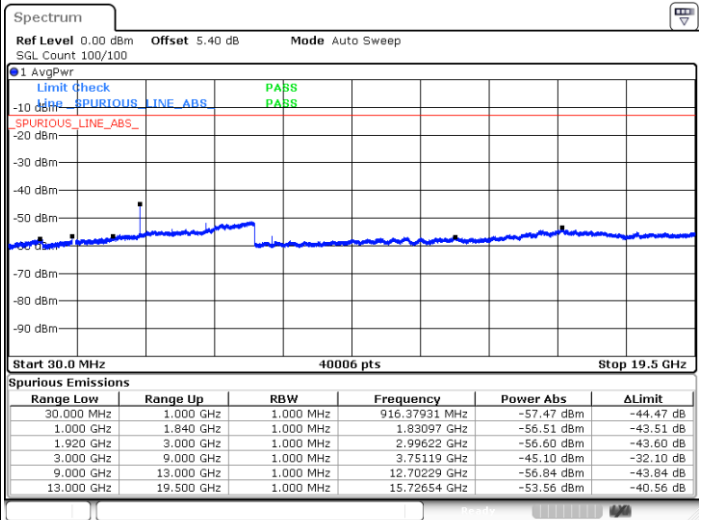
LTE Band 2 / 10MHz

Lowest Channel / QPSK



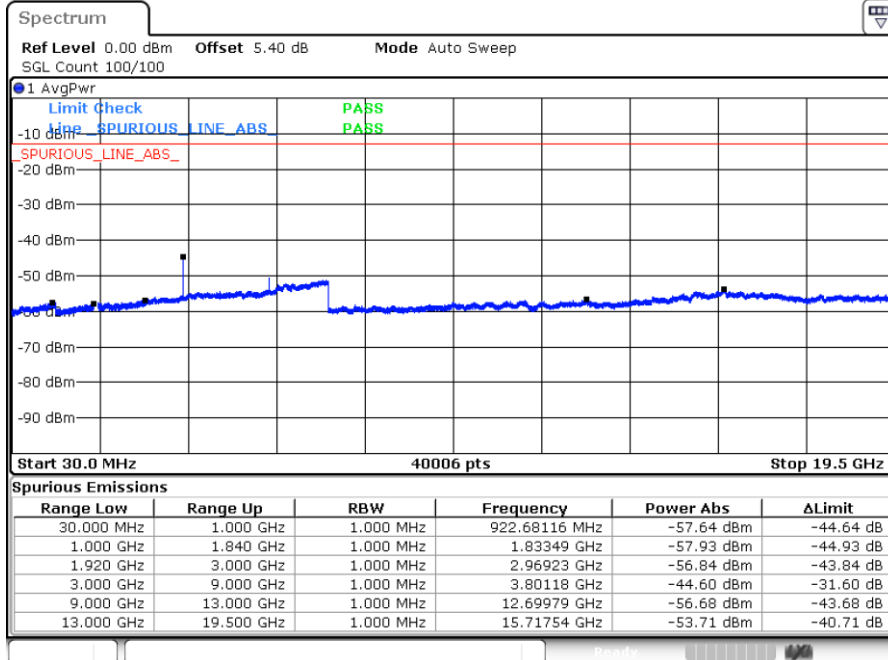
Date: 10.FEB.2023 01:47:52

Middle Channel / QPSK



Date: 10.FEB.2023 01:49:14

Highest Channel / QPSK

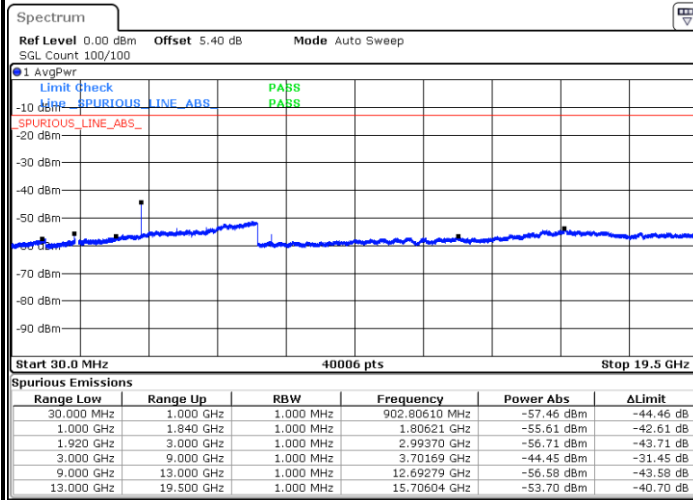


Date: 10.FEB.2023 01:50:36



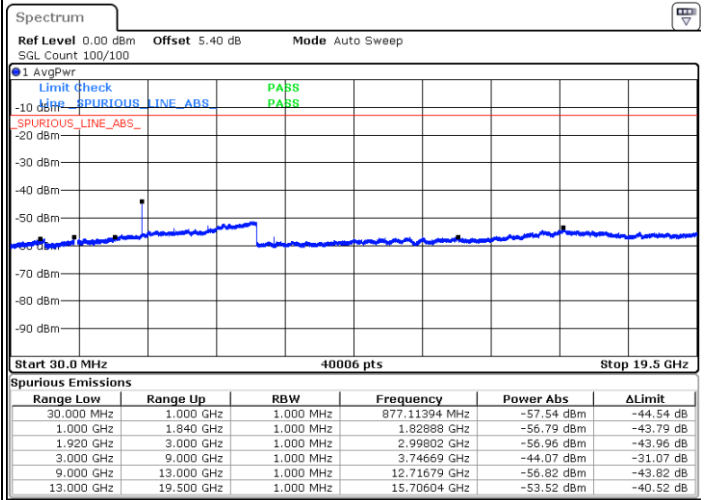
LTE Band 2 / 15MHz

Lowest Channel / QPSK



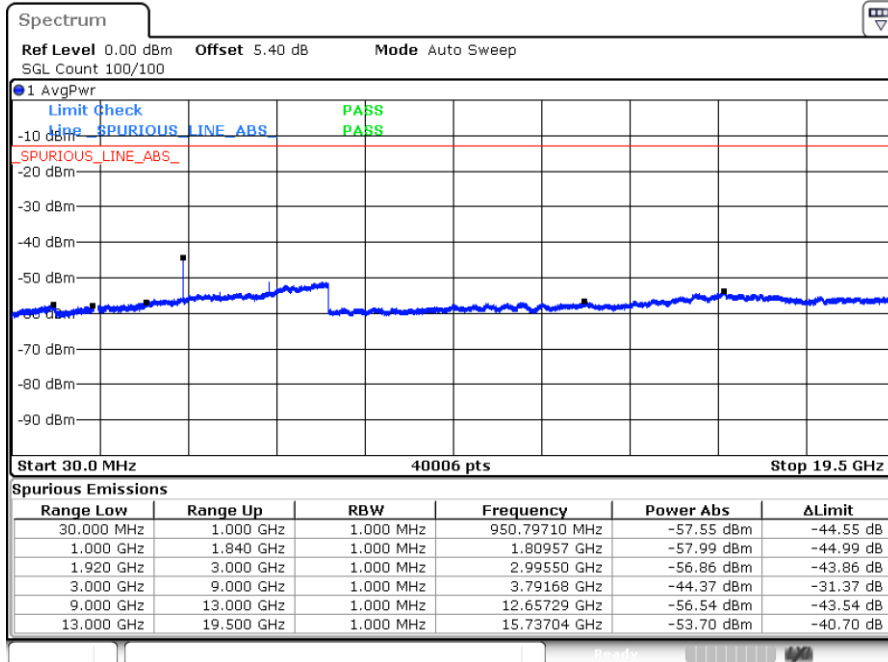
Date: 10.FEB.2023 02:06:03

Middle Channel / QPSK



Date: 10.FEB.2023 02:07:26

Highest Channel / QPSK

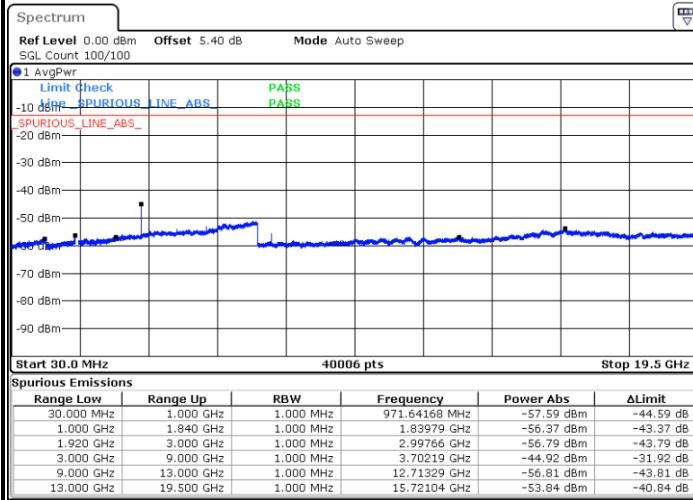


Date: 10.FEB.2023 02:08:48



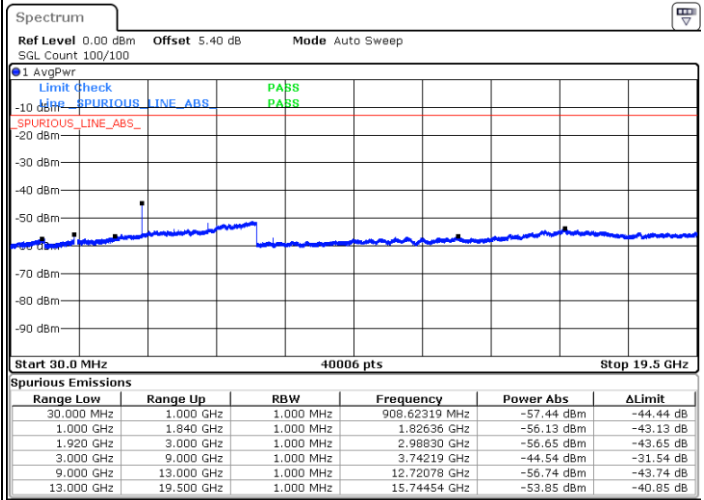
LTE Band 2 / 20MHz

Lowest Channel / QPSK



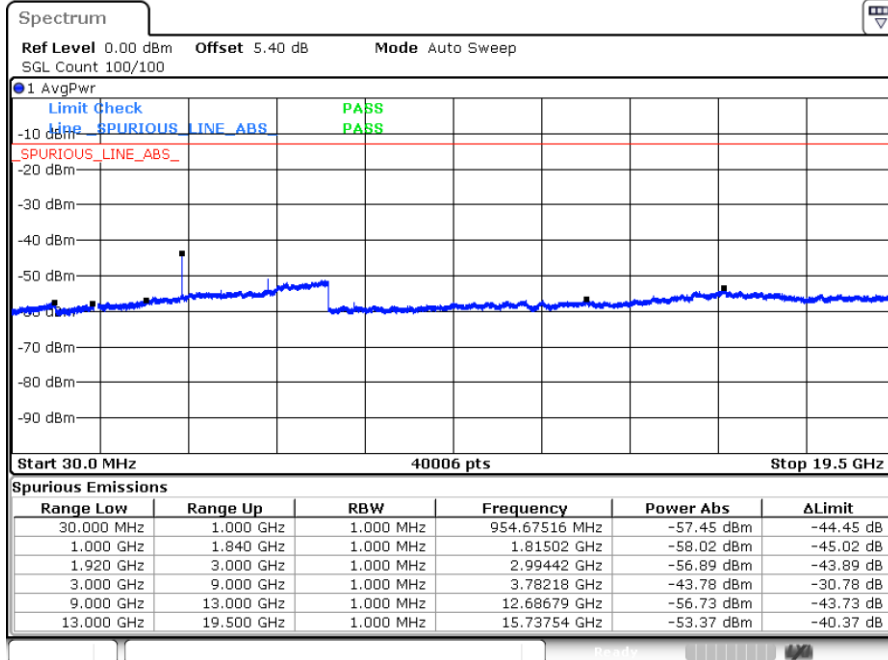
Date: 10.FEB.2023 02:24:13

Middle Channel / QPSK



Date: 10.FEB.2023 02:25:34

Highest Channel / QPSK



Date: 10.FEB.2023 02:26:57

Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0025	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0025	
-20	Normal Voltage	0.0032	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0009	
20	Battery End Point	0.0028	

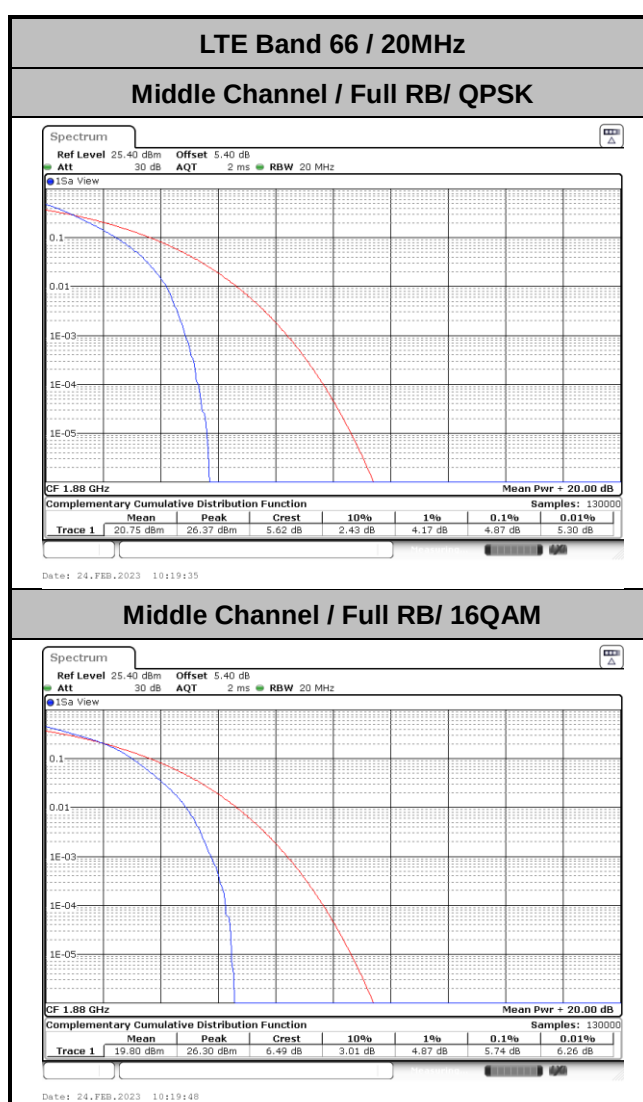
Note:

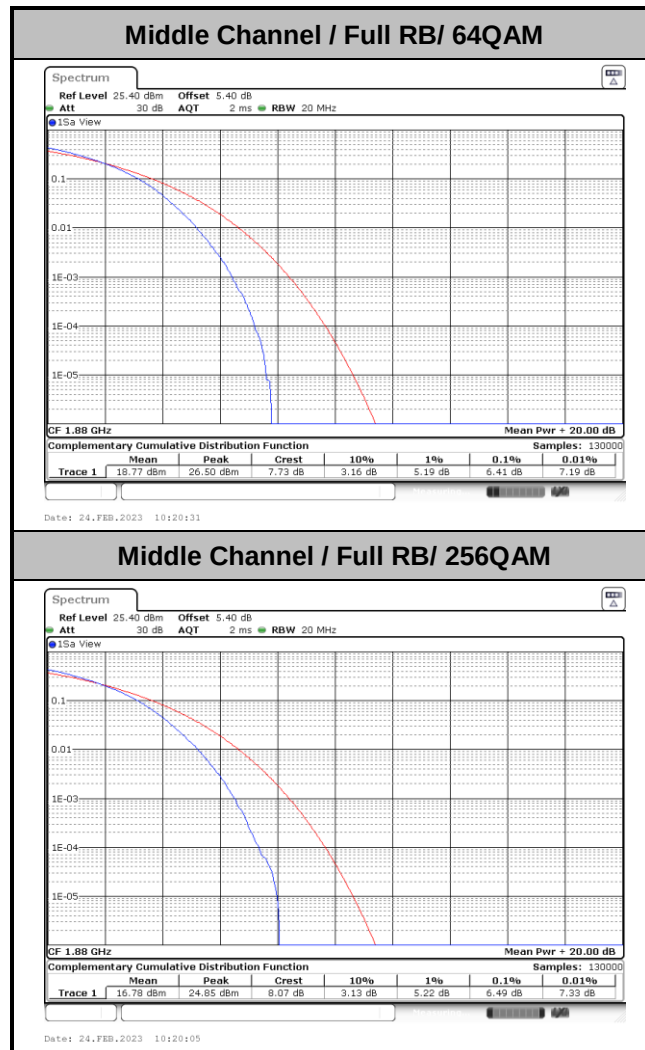
1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.45 V. ; Maximum Voltage =4.41 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 2(Other PA)

Peak-to-Average Ratio

Mode	LTE Band 2 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.87	5.74	6.41	6.49	PASS





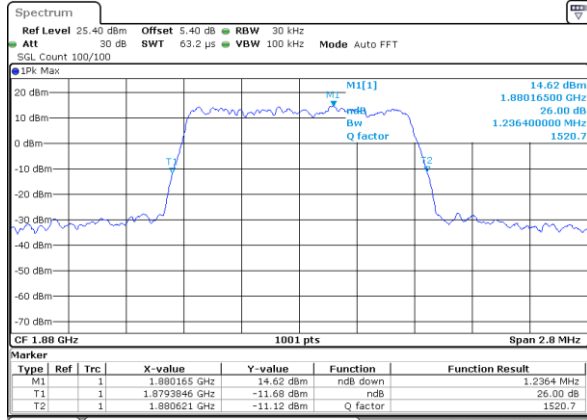
26dB Bandwidth

Mode	LTE Band 2 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.24	1.23
Mode	LTE Band 2 : 26dB BW(MHz)	
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.04	3.03
Mode	LTE Band 2 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.83	4.90
Mode	LTE Band 2 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.79	9.65
Mode	LTE Band 2 : 26dB BW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.45	14.45
Mode	LTE Band 2 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.34	18.66



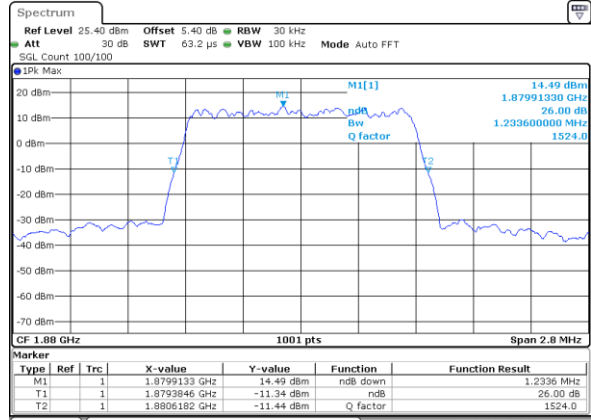
LTE Band 2

Middle Channel / 1.4MHz / QPSK



Date: 23.FEB.2023 15:34:29

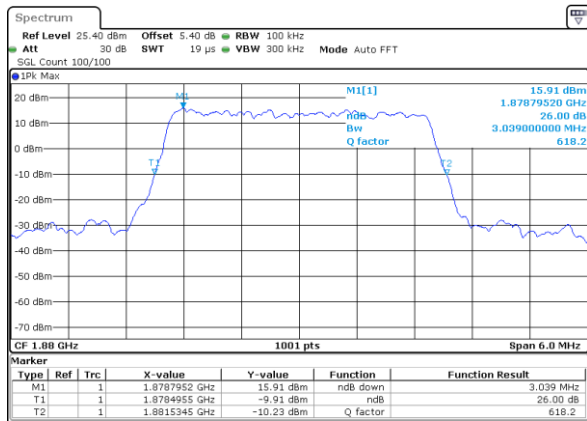
Middle Channel / 1.4MHz / 16QAM



Date: 23.FEB.2023 15:35:18

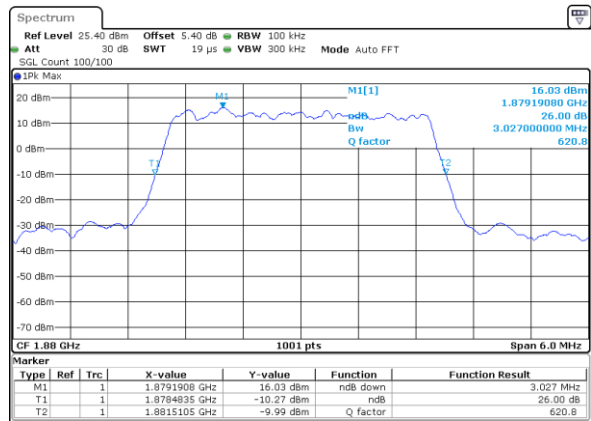
LTE Band 2

Middle Channel / 3MHz / QPSK



Date: 23.FEB.2023 16:44:32

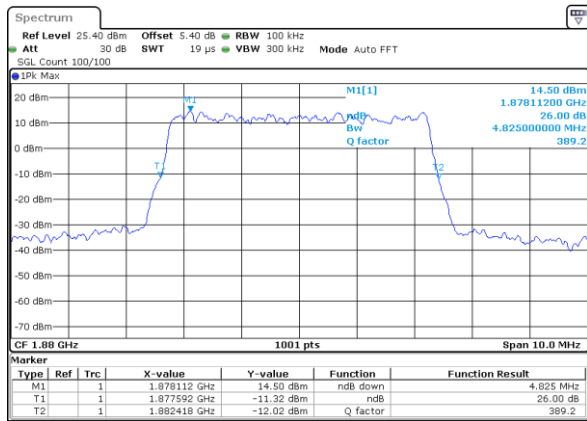
Middle Channel / 3MHz / 16QAM



Date: 23.FEB.2023 16:45:52

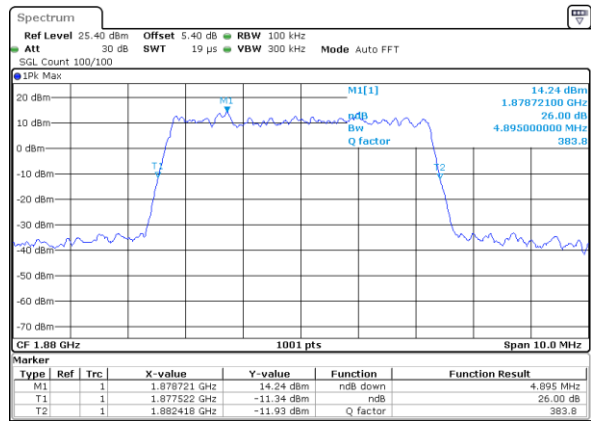
LTE Band 2

Middle Channel / 5MHz / QPSK



Date: 23.FEB.2023 17:12:34

Middle Channel / 5MHz / 16QAM

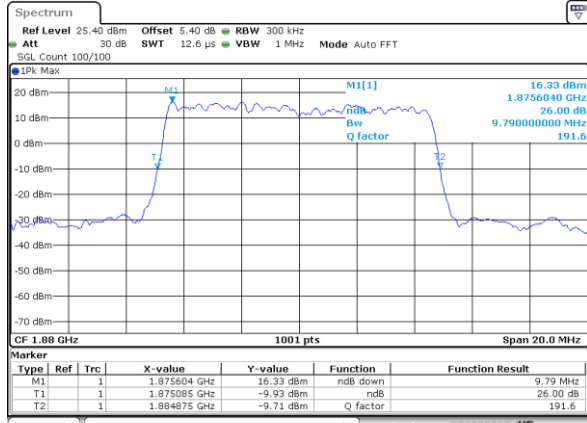


Date: 23.FEB.2023 17:12:54



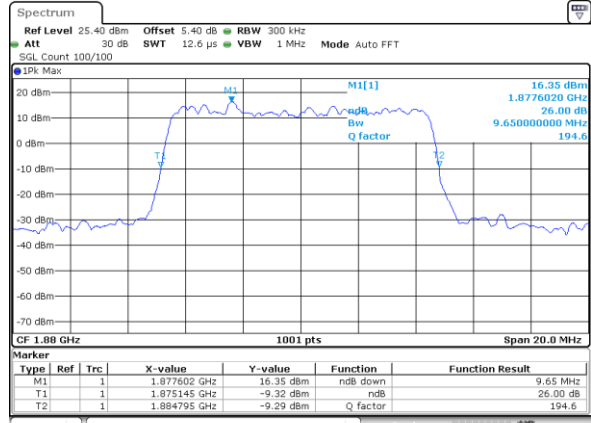
LTE Band 2

Middle Channel / 10MHz / QPSK



Date: 23.FEB.2023 18:18:27

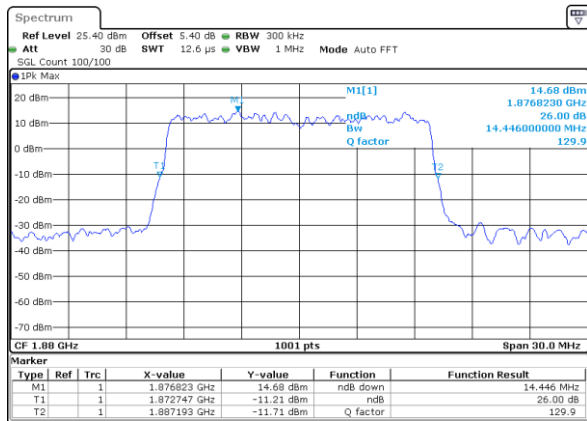
Middle Channel / 10MHz / 16QAM



Date: 23.FEB.2023 18:18:58

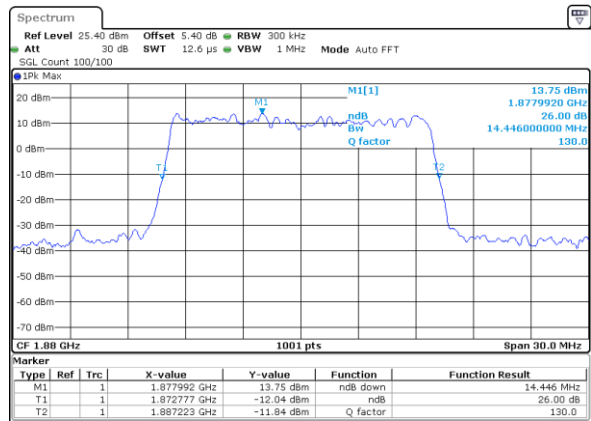
LTE Band 2

Middle Channel / 15MHz / QPSK



Date: 23.FEB.2023 18:33:05

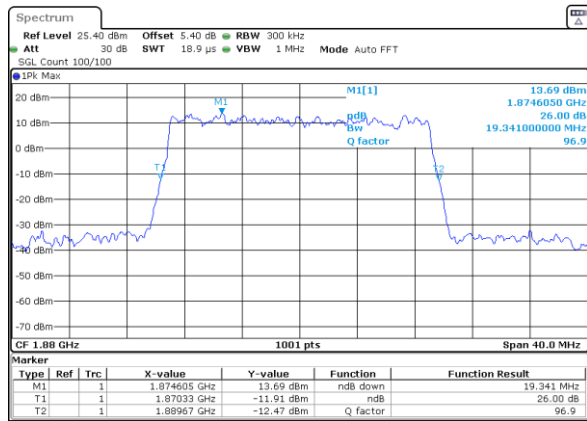
Middle Channel / 15MHz / 16QAM



Date: 23.FEB.2023 18:33:26

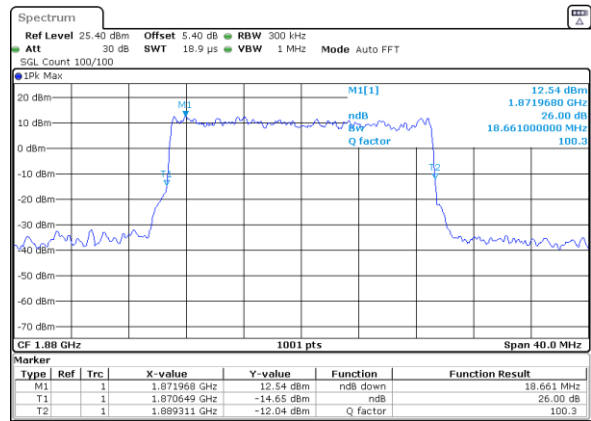
LTE Band 2

Middle Channel / 20MHz / QPSK



Date: 24.FEB.2023 10:11:35

Middle Channel / 20MHz / 16QAM



Date: 24.FEB.2023 10:11:56

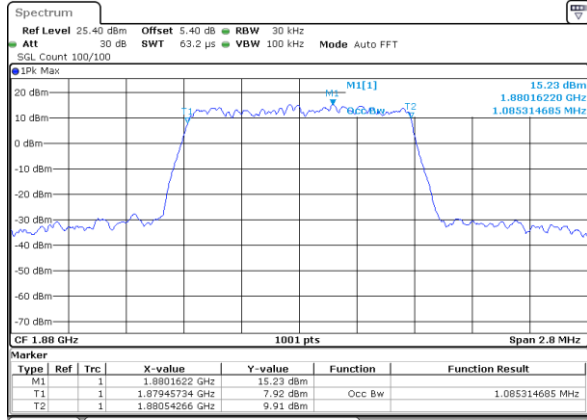
Occupied Bandwidth

Mode	LTE Band 2 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	1.09
Mode	LTE Band 2 : 99%OBW(MHz)	
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.71	2.73
Mode	LTE Band 2 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.51	4.51
Mode	LTE Band 2 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.09	8.99
Mode	LTE Band 2 : 99%OBW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.43	13.43
Mode	LTE Band 2 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.98	17.90



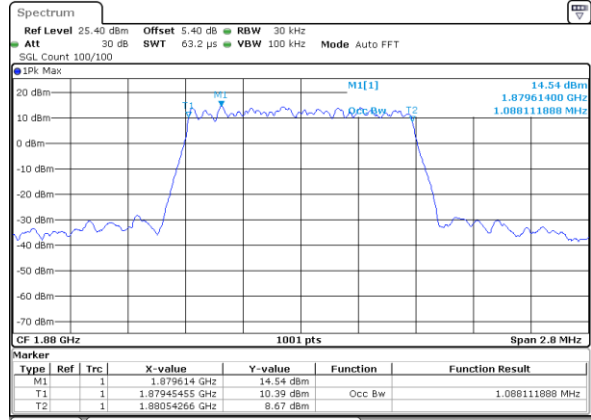
LTE Band 2

Middle Channel / 1.4MHz / QPSK



Date: 23.FEB.2023 15:34:53

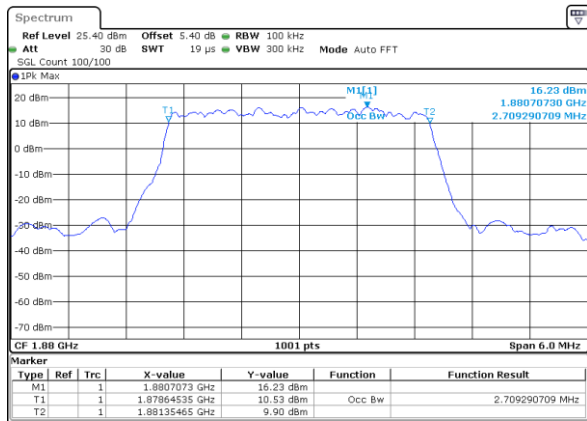
Middle Channel / 1.4MHz / 16QAM



Date: 23.FEB.2023 15:35:25

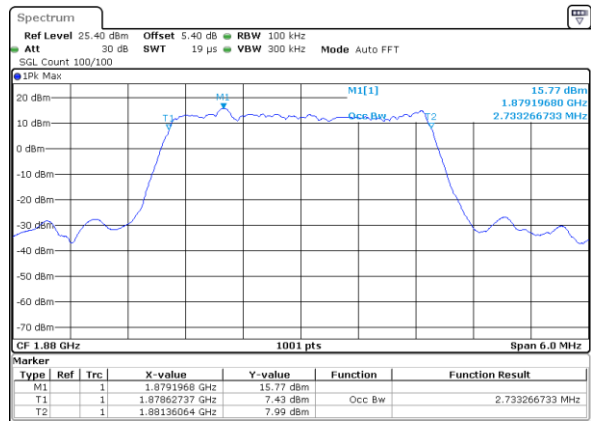
LTE Band 2

Middle Channel / 3MHz / QPSK



Date: 23.FEB.2023 16:44:52

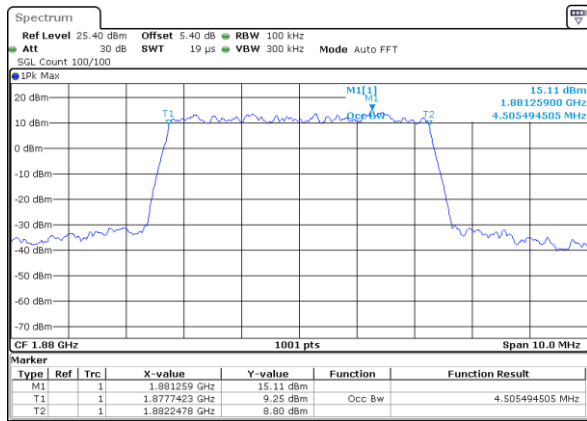
Middle Channel / 3MHz / 16QAM



Date: 23.FEB.2023 16:47:29

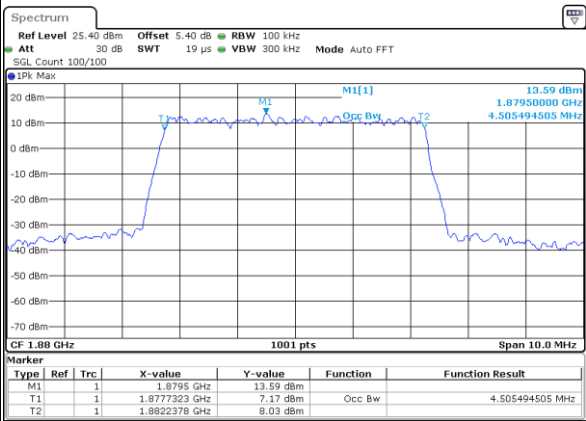
LTE Band 2

Middle Channel / 5MHz / QPSK



Date: 23.FEB.2023 17:12:40

Middle Channel / 5MHz / 16QAM

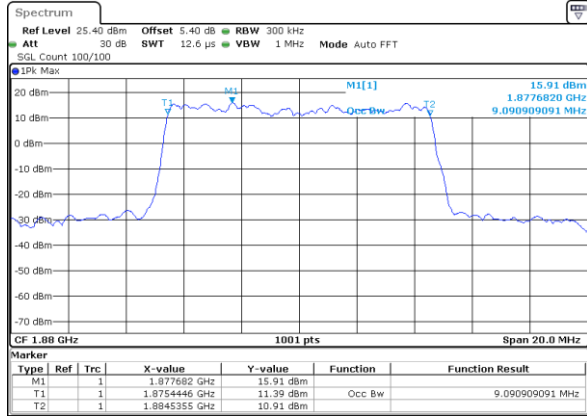


Date: 23.FEB.2023 17:13:01

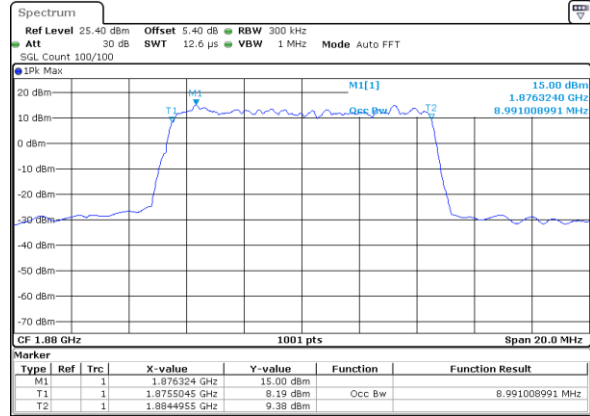


LTE Band 2

Middle Channel / 10MHz / QPSK

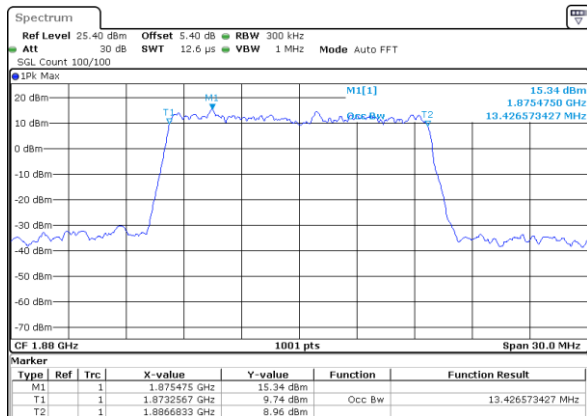


Middle Channel / 10MHz / 16QAM

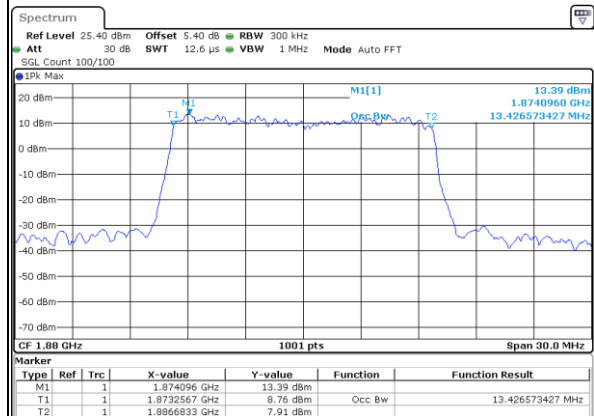


LTE Band 2

Middle Channel / 15MHz / QPSK

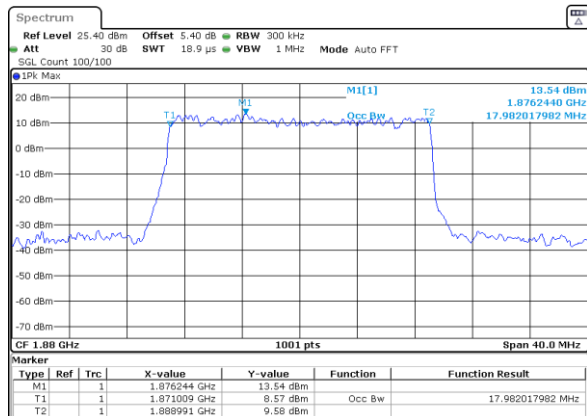


Middle Channel / 15MHz / 16QAM

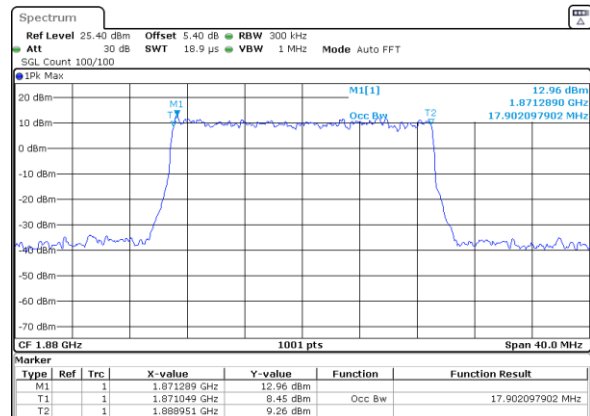


LTE Band 2

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

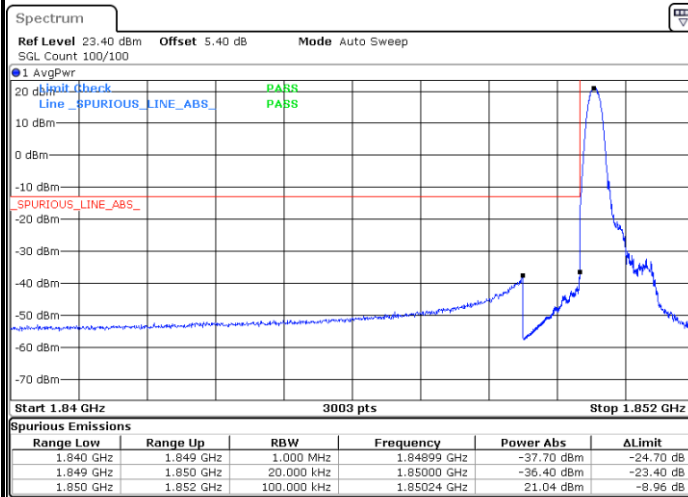




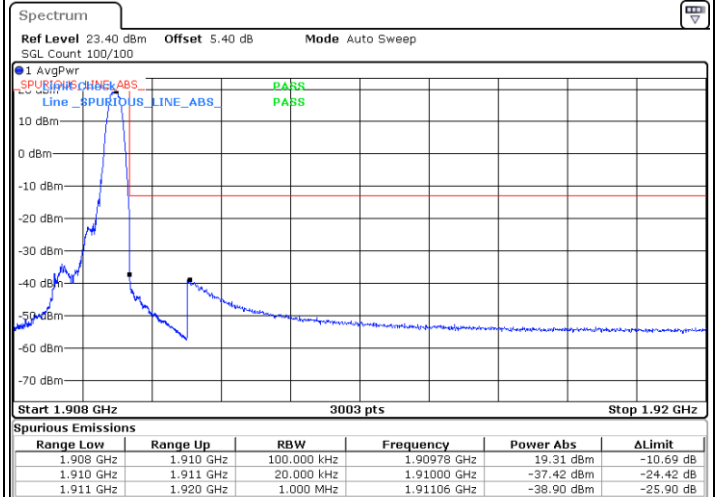
Conducted Band Edge

LTE Band 2 / 1.4MHz / QPSK

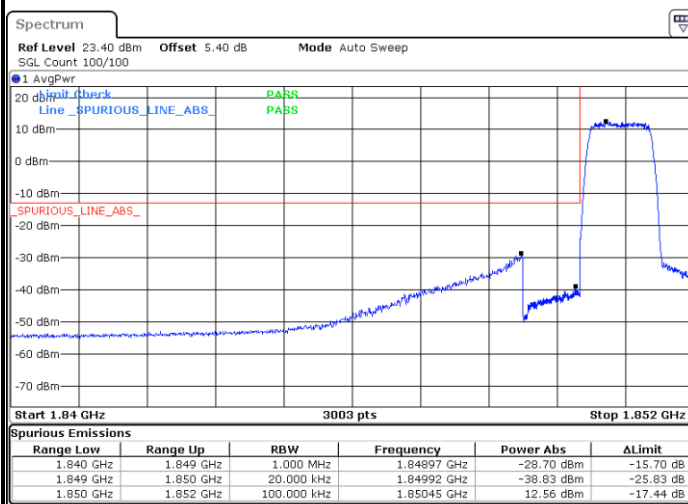
Lowest Band Edge / 1RB



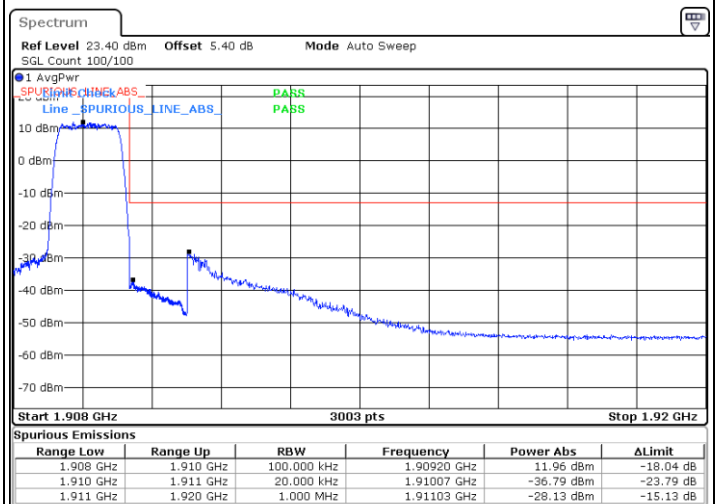
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB





Highest Band Edge / 1 RB



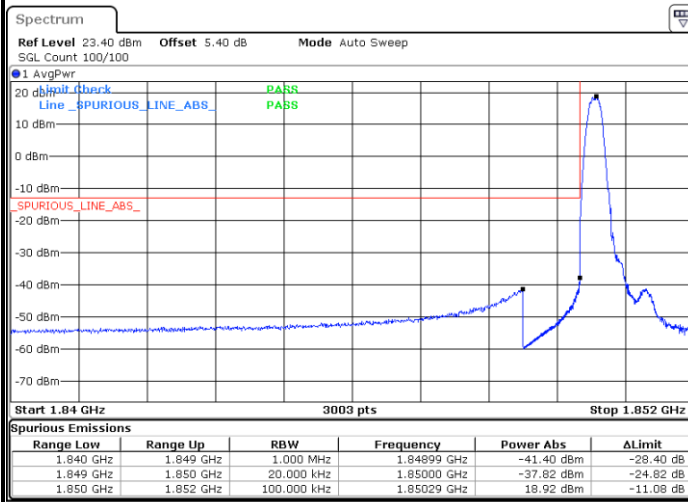
Highest Band Edge / Full RB



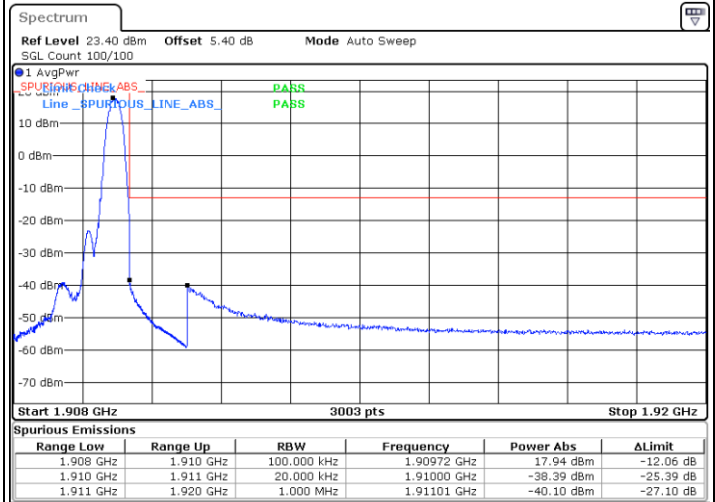


LTE Band 2 / 1.4MHz / 64QAM

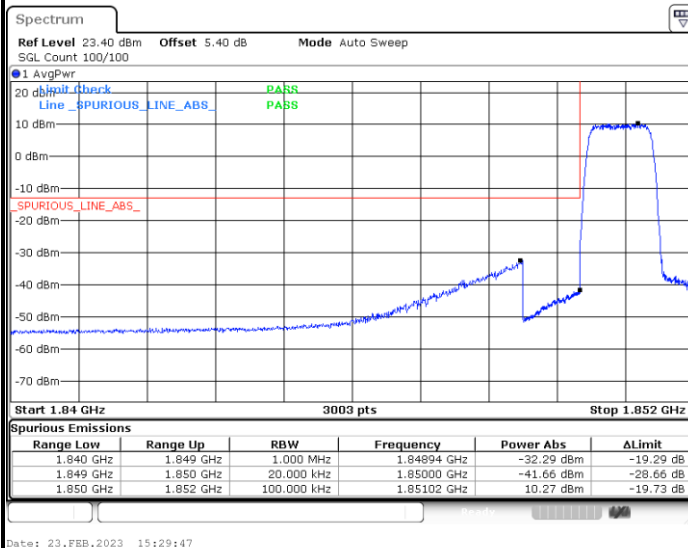
Lowest Band Edge / 1 RB



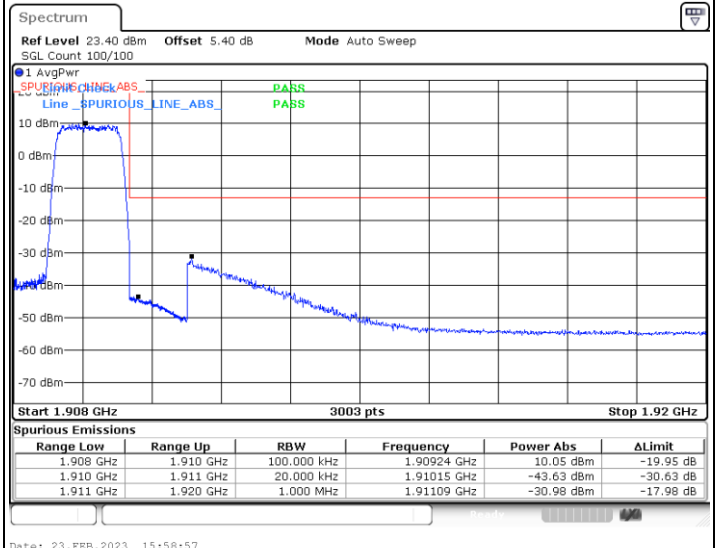
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



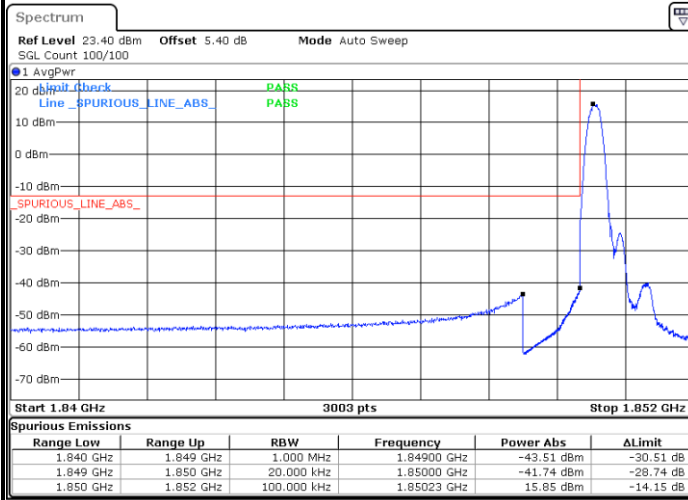
Highest Band Edge / Full RB



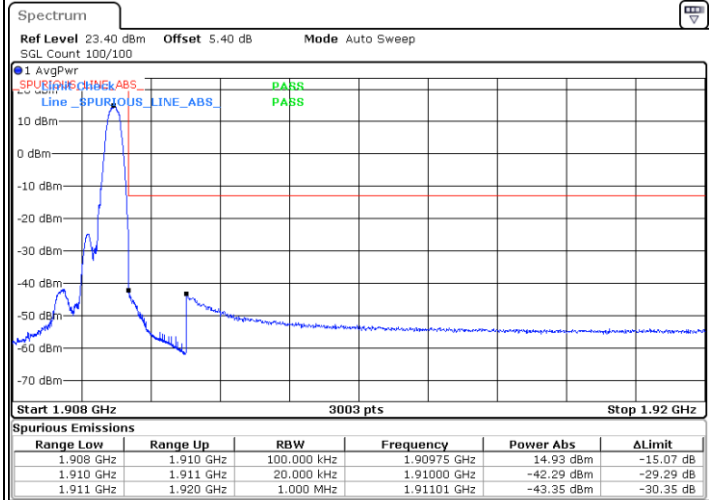


LTE Band 2 / 1.4MHz /256QAM

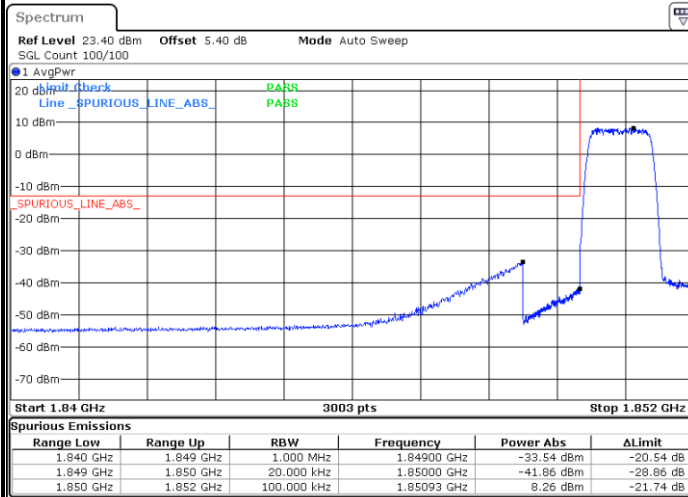
Lowest Band Edge / 1 RB



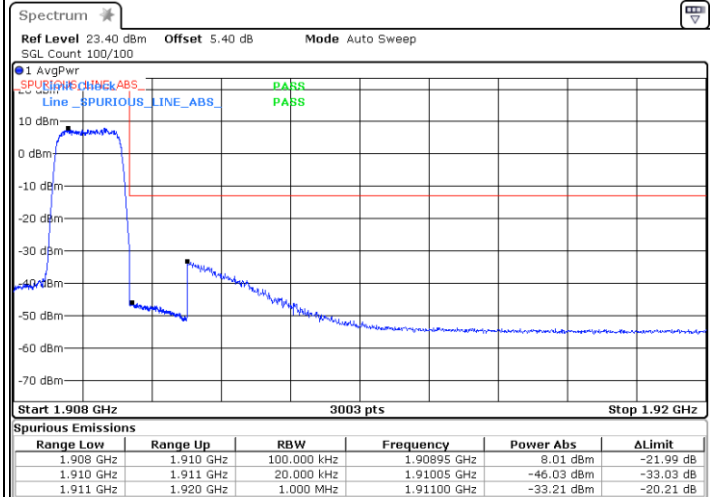
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



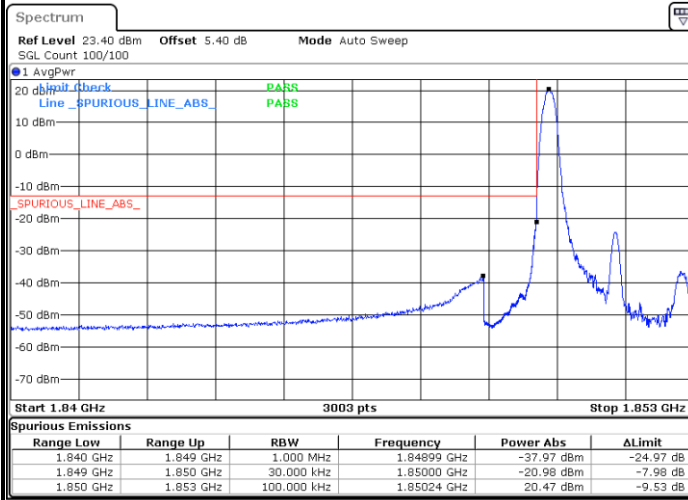
Highest Band Edge / Full RB



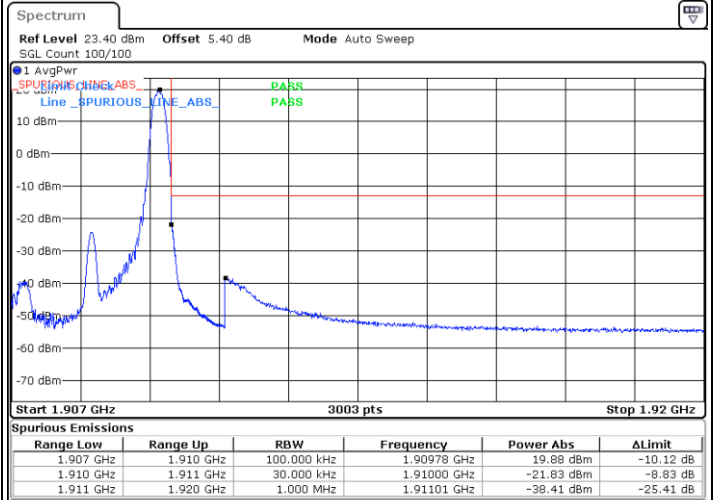


LTE Band 2 / 3MHz / QPSK

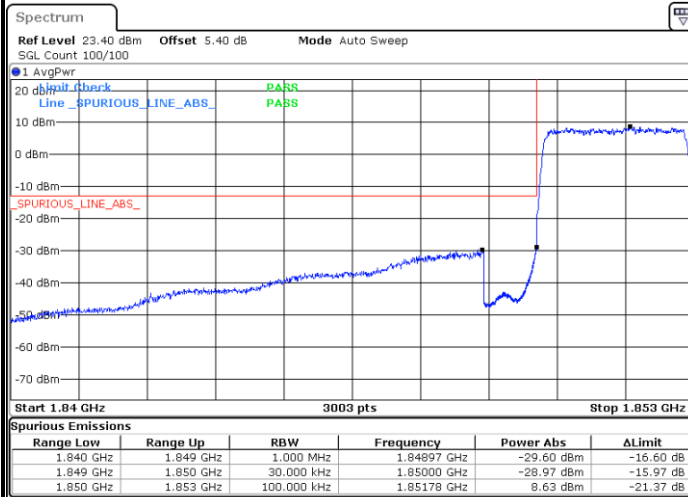
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

