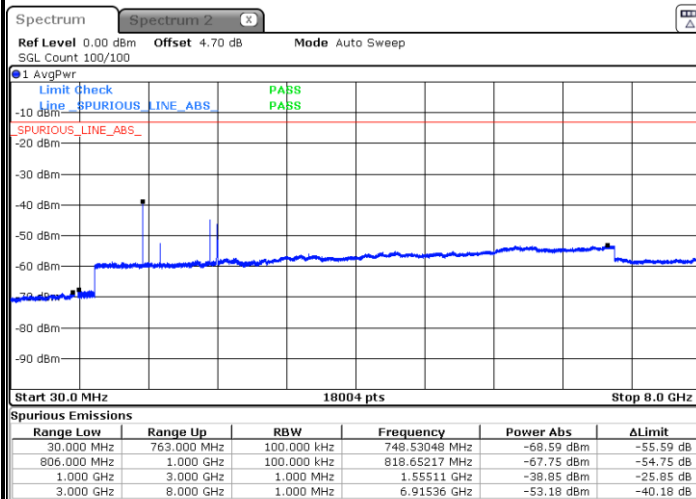




Conducted Spurious Emission

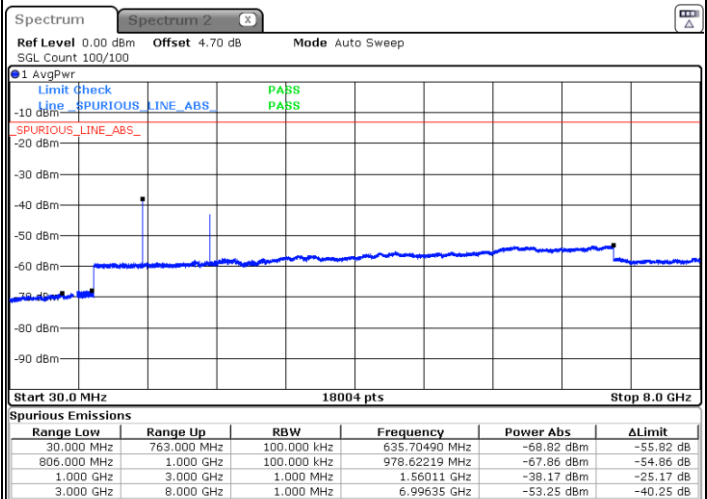
LTE Band 13 / 5MHz

Lowest Channel / QPSK



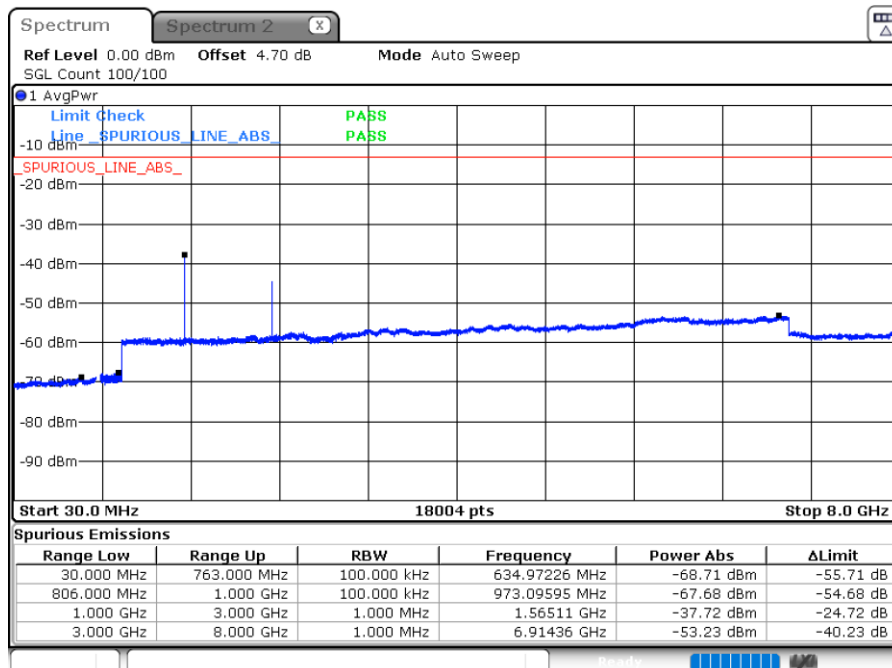
Date: 22.JAN.2022 12:27:48

Middle Channel / QPSK



Date: 22.JAN.2022 12:40:50

Highest Channel / QPSK

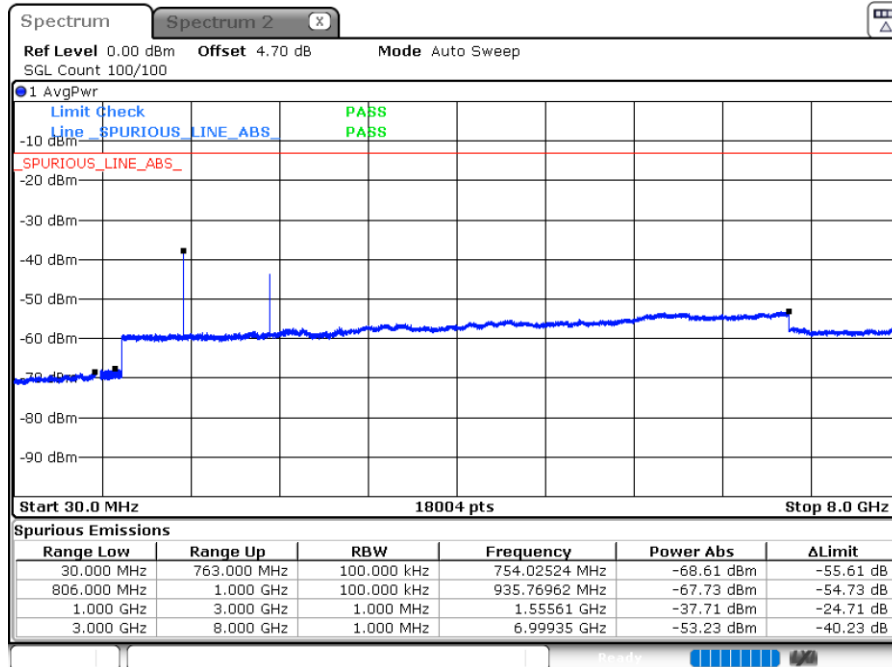


Date: 22.JAN.2022 12:42:32



LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 22 JAN 2022 12:55:28

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	0.0025	PASS
40	Normal Voltage	0.0022	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0034	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0026	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0022	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 25

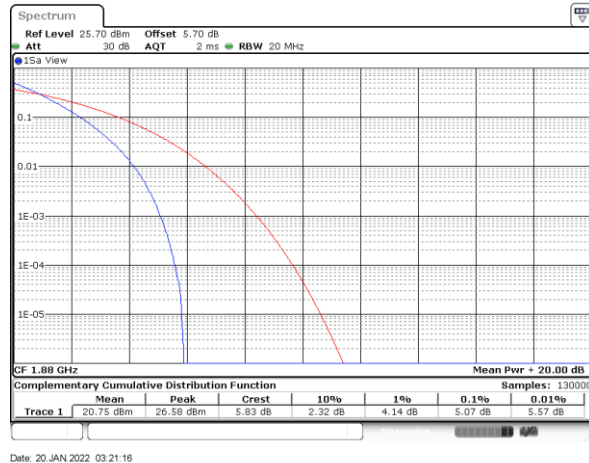
Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.07	5.86	6.14	PASS

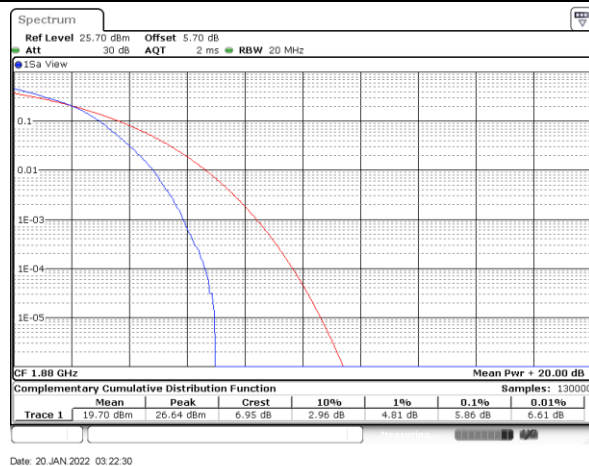


LTE Band 25 / 20MHz

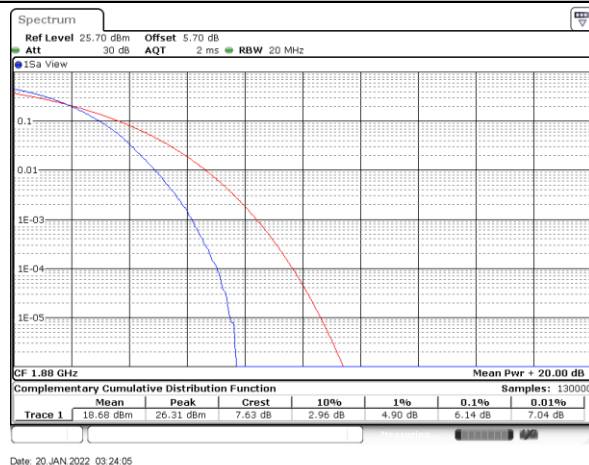
Middle Channel / Full RB/ QPSK



Middle Channel / Full RB/ 16QAM



Middle Channel / Full RB/ 64QAM



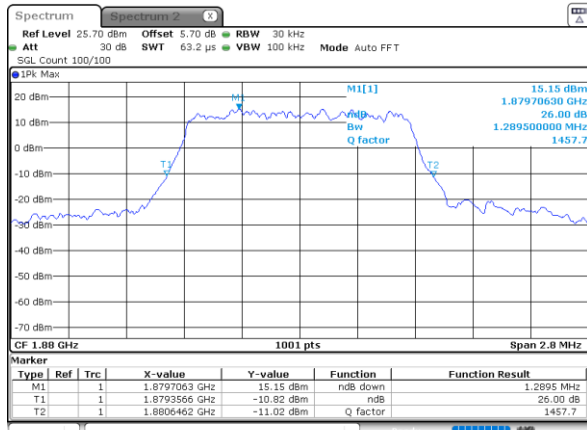
**26dB Bandwidth**

Mode	LTE Band 25 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.29	1.28
Mode	LTE Band 25 : 26dB BW(MHz)	
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.02	3.01
Mode	LTE Band 25 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	5.01	5.00
Mode	LTE Band 25 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.79	9.83
Mode	LTE Band 25 : 26dB BW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.54	14.36
Mode	LTE Band 25 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.86	19.18



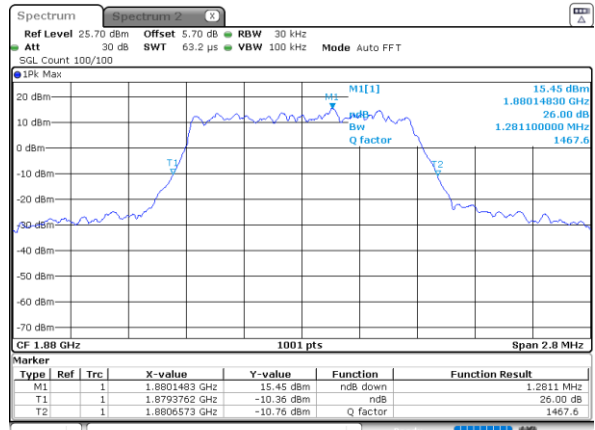
LTE Band 25

Middle Channel / 1.4MHz / QPSK



Date: 22_JAN,2022 14:19:08

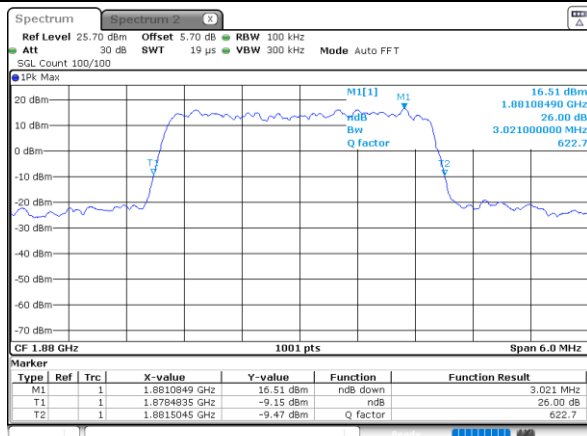
Middle Channel / 1.4MHz / 16QAM



Date: 22_JAN,2022 14:19:30

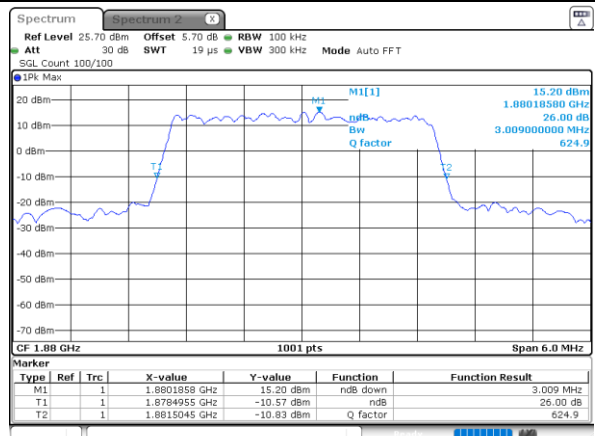
LTE Band 25

Middle Channel / 3MHz / QPSK



Date: 22_JAN,2022 14:20:14

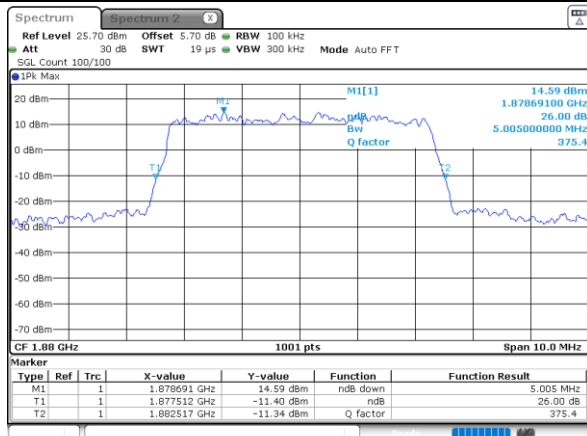
Middle Channel / 3MHz / 16QAM



Date: 22_JAN,2022 14:19:52

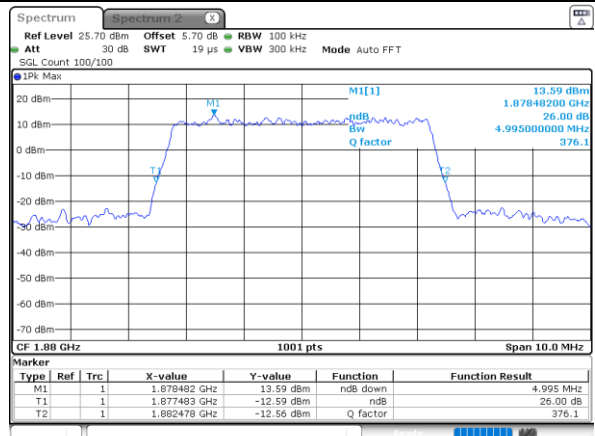
LTE Band 25

Middle Channel / 5MHz / QPSK



Date: 22_JAN,2022 14:20:36

Middle Channel / 5MHz / 16QAM

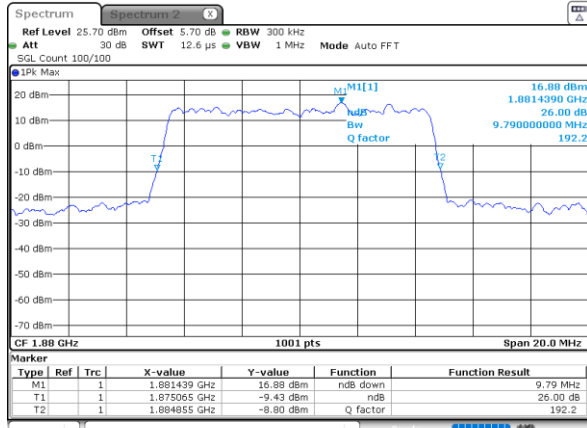


Date: 22_JAN,2022 14:20:58



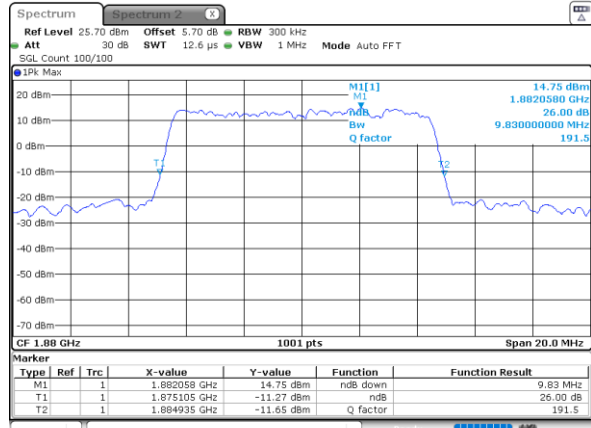
LTE Band 25

Middle Channel / 10MHz / QPSK



Date: 22.JAN.2022 14:21:42

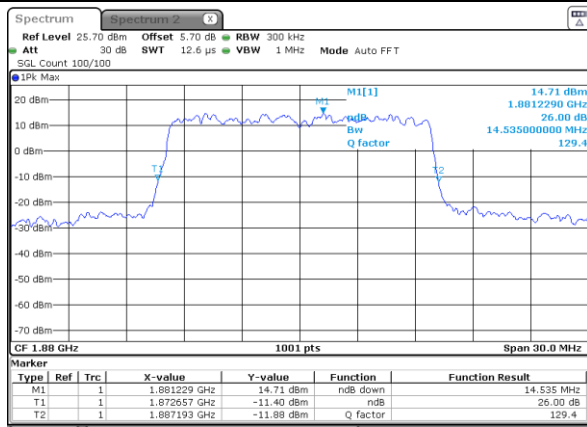
Middle Channel / 10MHz / 16QAM



Date: 22.JAN.2022 14:21:20

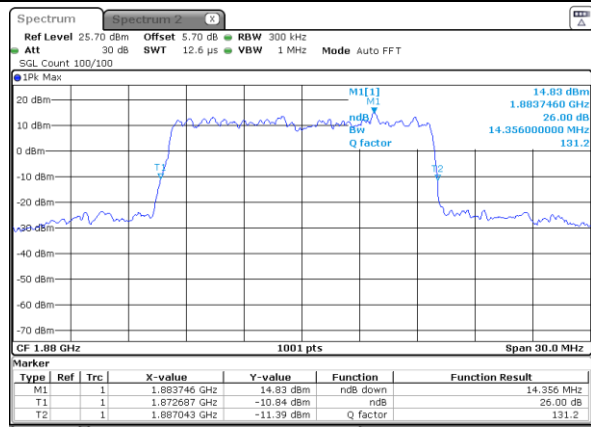
LTE Band 25

Middle Channel / 15MHz / QPSK



Date: 22.JAN.2022 14:22:04

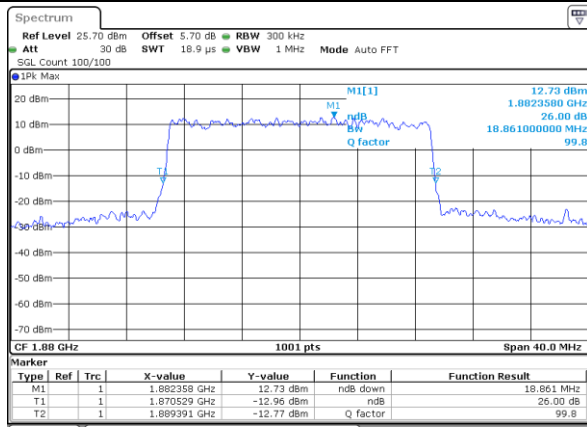
Middle Channel / 15MHz / 16QAM



Date: 22.JAN.2022 14:22:26

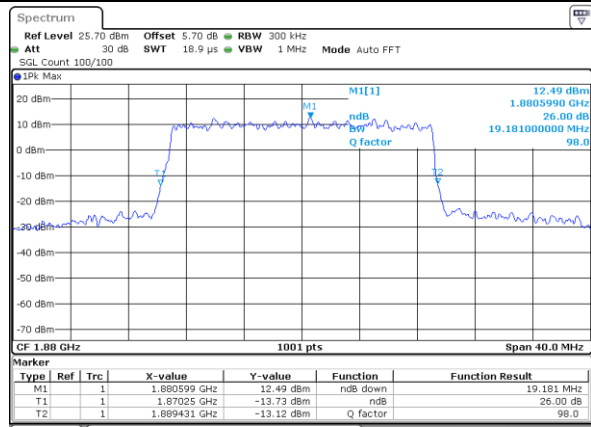
LTE Band 25

Middle Channel / 20MHz / QPSK



Date: 20.JAN.2022 03:22:05

Middle Channel / 20MHz / 16QAM



Date: 20.JAN.2022 03:23:24

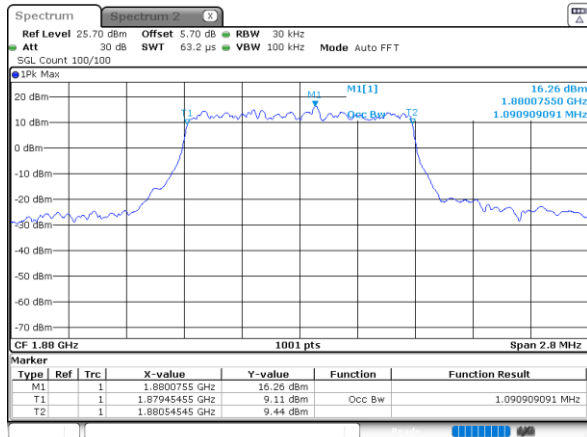
Occupied Bandwidth

Mode	LTE Band 25 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	1.09
Mode	LTE Band 25 : 99%OBW(MHz)	
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.72	2.74
Mode	LTE Band 25 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.50	4.51
Mode	LTE Band 25 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.07	9.01
Mode	LTE Band 25 : 99%OBW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.43	13.46
Mode	LTE Band 25 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.82	17.94



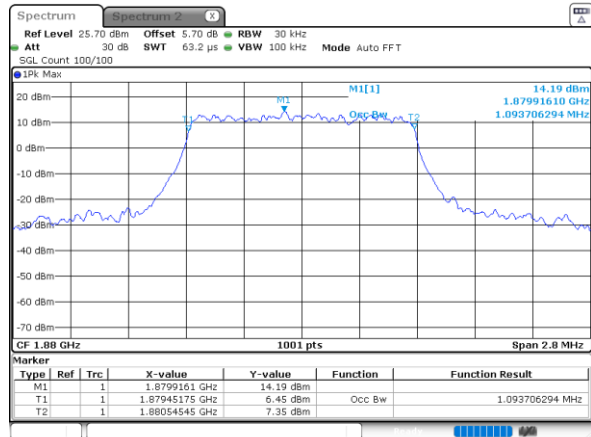
LTE Band 25

Middle Channel / 1.4MHz / QPSK



Date: 22.JAN.2022 14:10:37

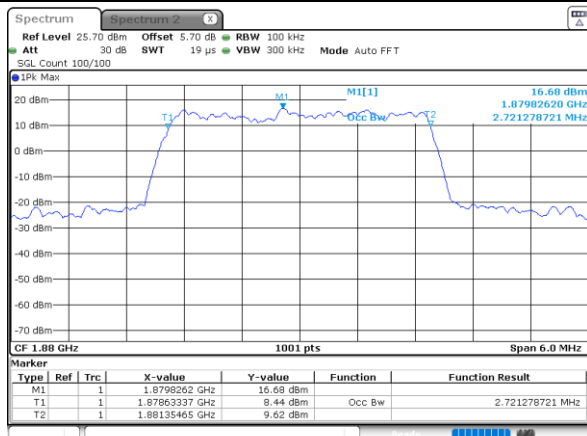
Middle Channel / 1.4MHz / 16QAM



Date: 22.JAN.2022 14:10:59

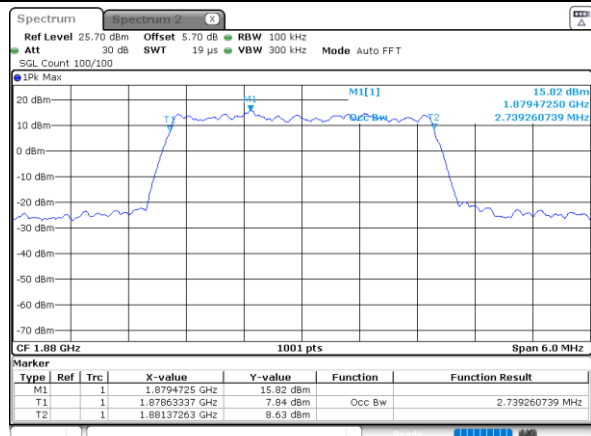
LTE Band 25

Middle Channel / 3MHz / QPSK



Date: 22.JAN.2022 14:11:43

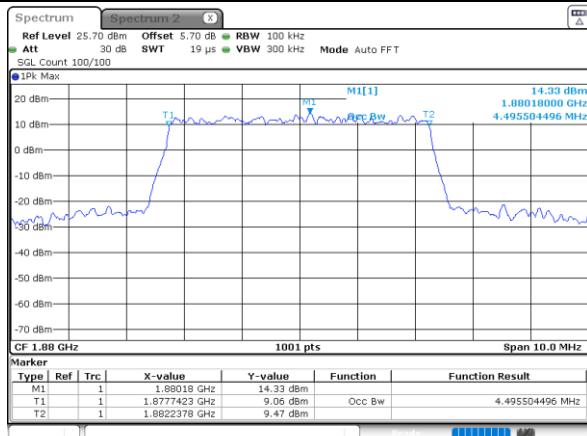
Middle Channel / 3MHz / 16QAM



Date: 22.JAN.2022 14:11:21

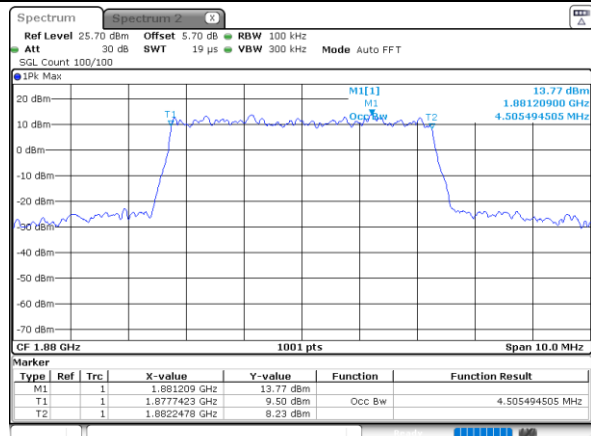
LTE Band 25

Middle Channel / 5MHz / QPSK



Date: 22.JAN.2022 14:12:05

Middle Channel / 5MHz / 16QAM

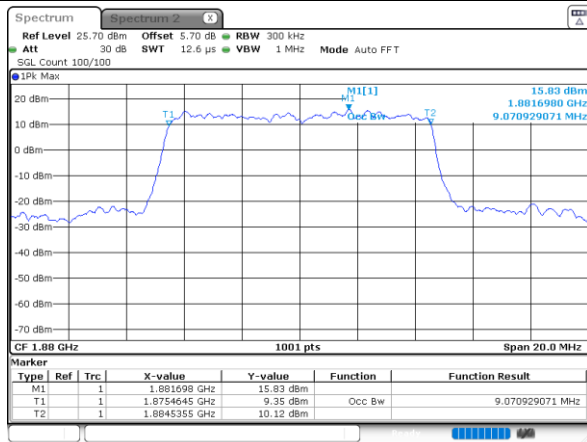


Date: 22.JAN.2022 14:12:27

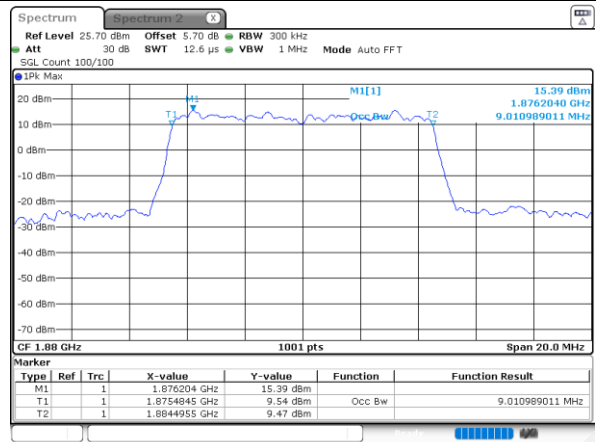


LTE Band 25

Middle Channel / 10MHz / QPSK

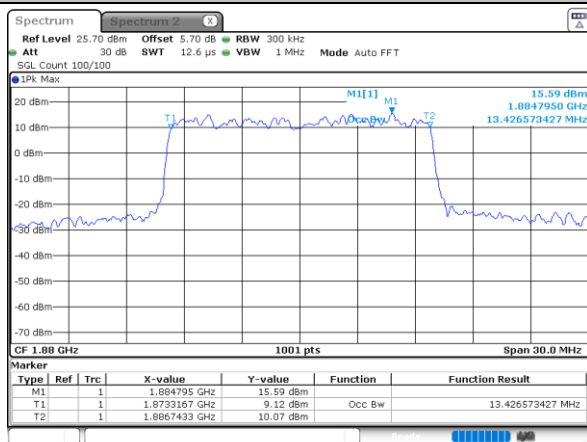


Middle Channel / 10MHz / 16QAM

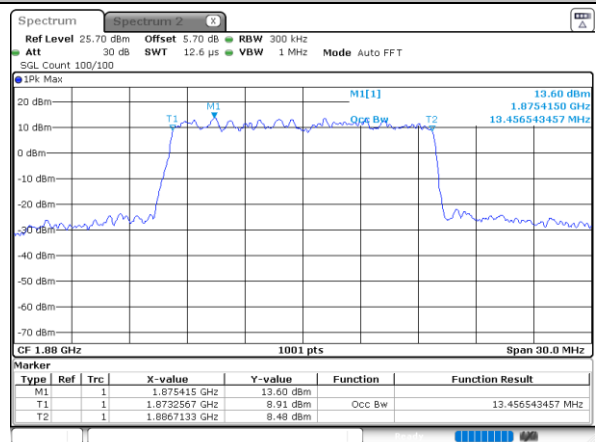


LTE Band 25

Middle Channel / 15MHz / QPSK

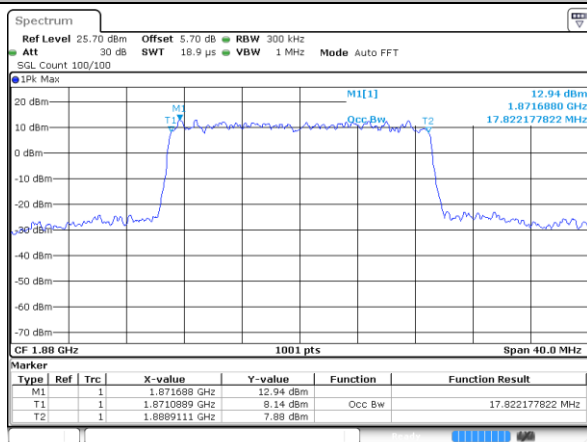


Middle Channel / 15MHz / 16QAM

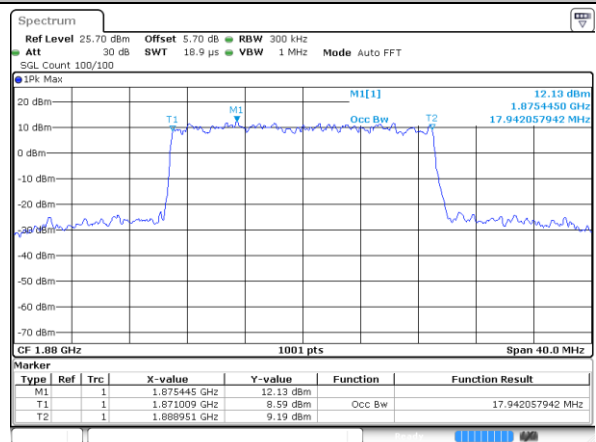


LTE Band 25

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

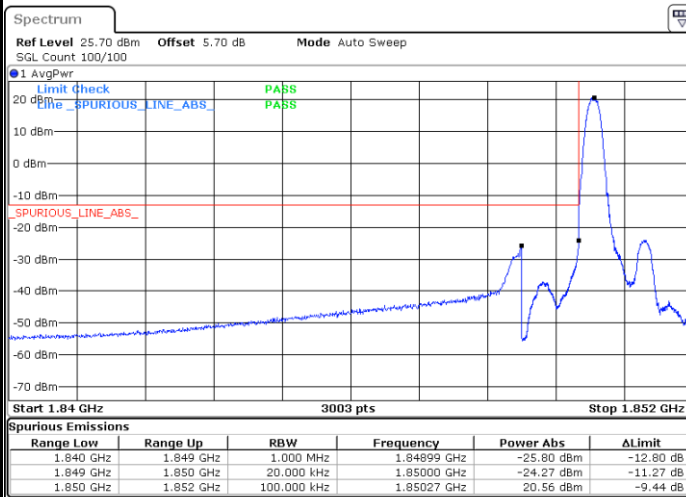




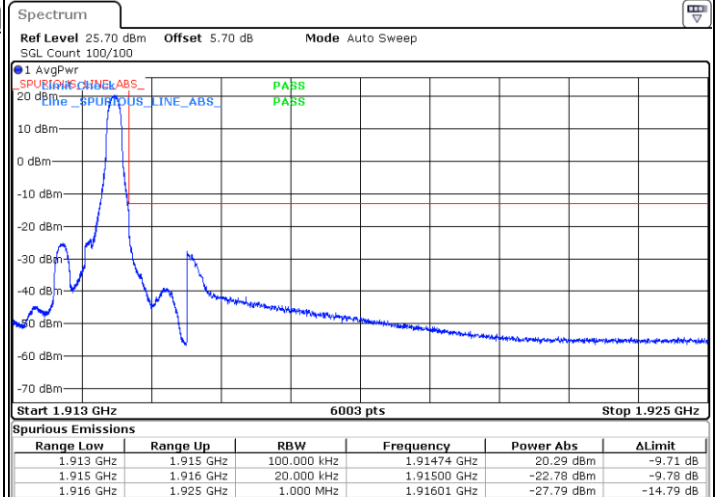
Conducted Band Edge

LTE Band 25 / 1.4MHz / QPSK

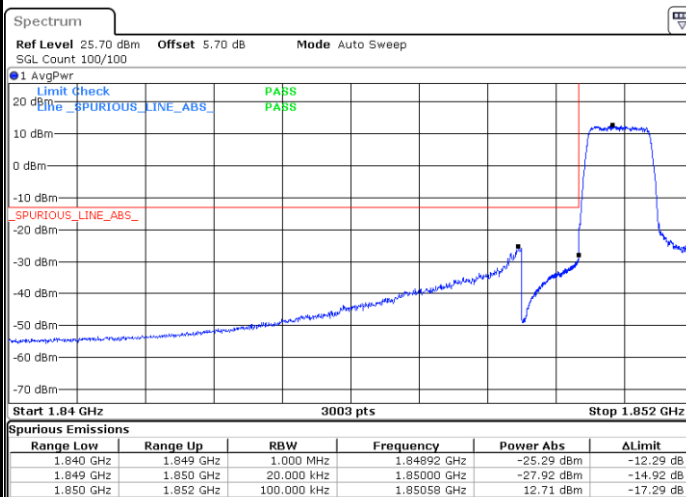
Lowest Band Edge / 1RB



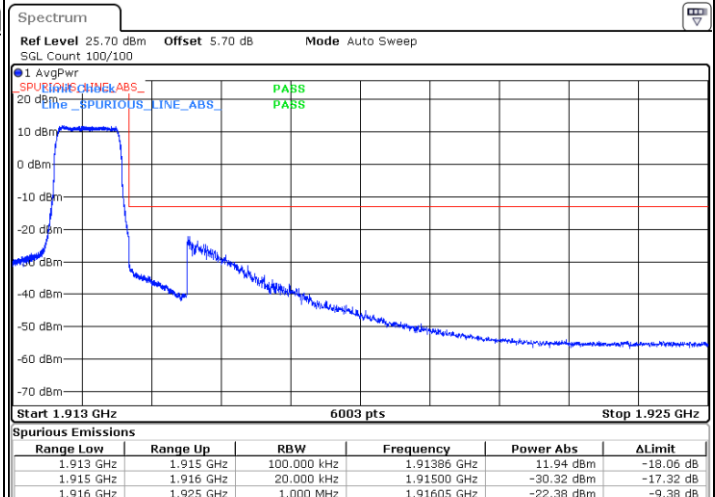
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



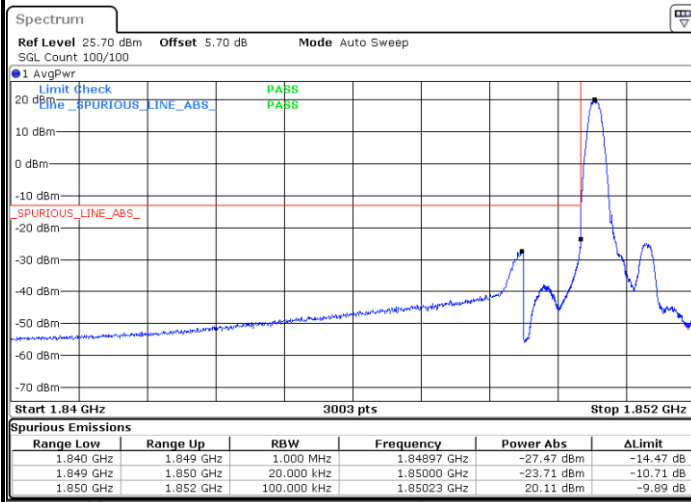
Highest Band Edge / Full RB



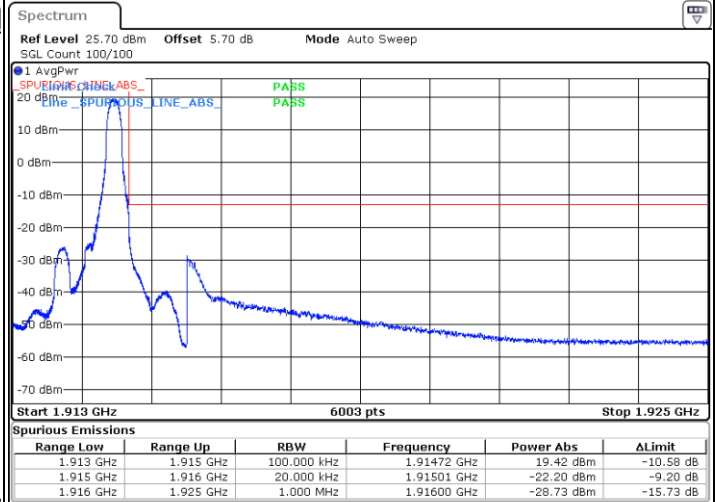


LTE Band 25 / 1.4MHz / 16QAM

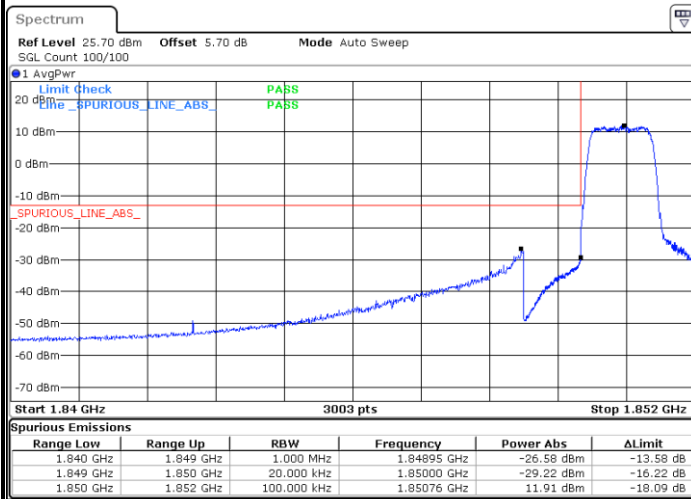
Lowest Band Edge / 1 RB



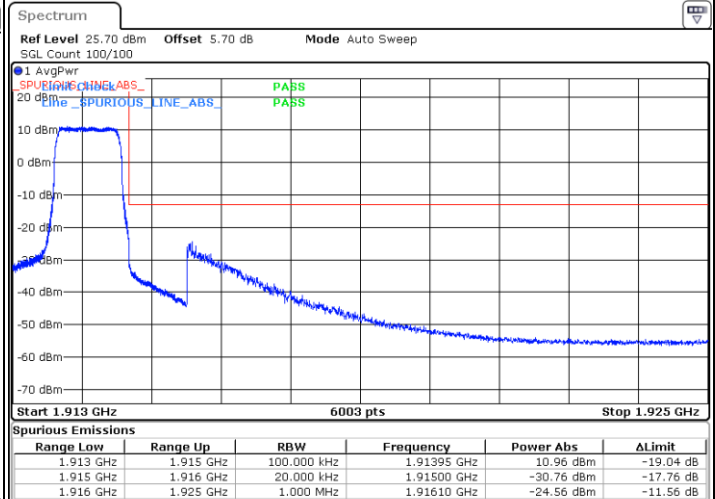
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



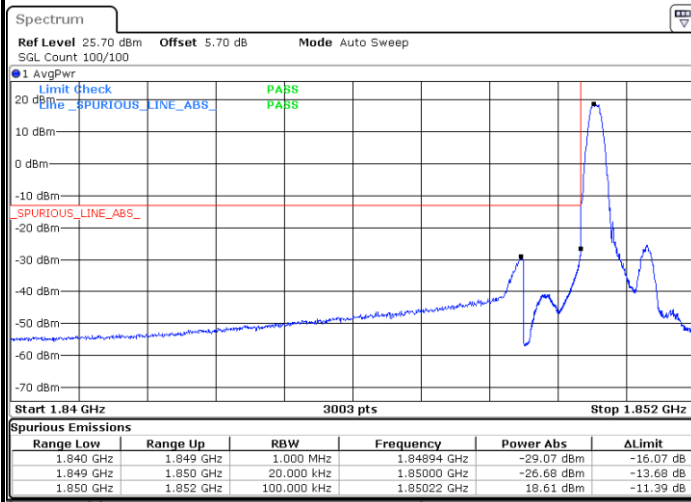
Highest Band Edge / Full RB



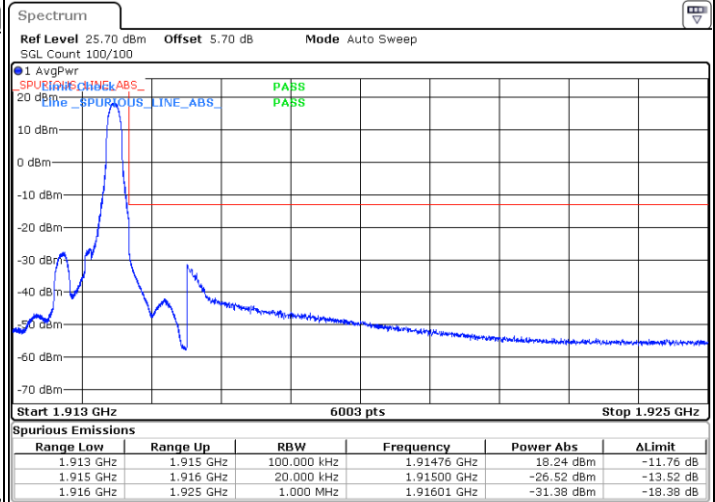


LTE Band 25 / 1.4MHz / 64QAM

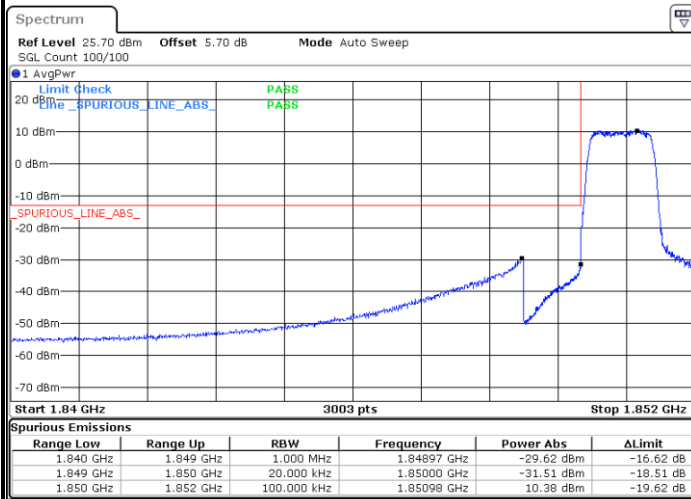
Lowest Band Edge / 1 RB



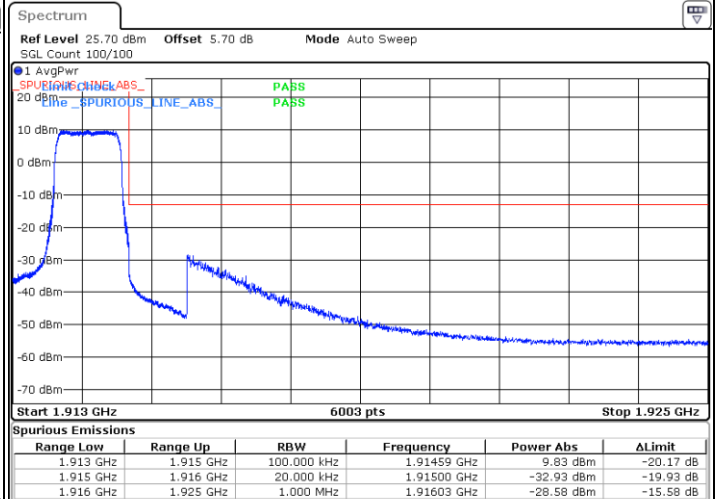
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



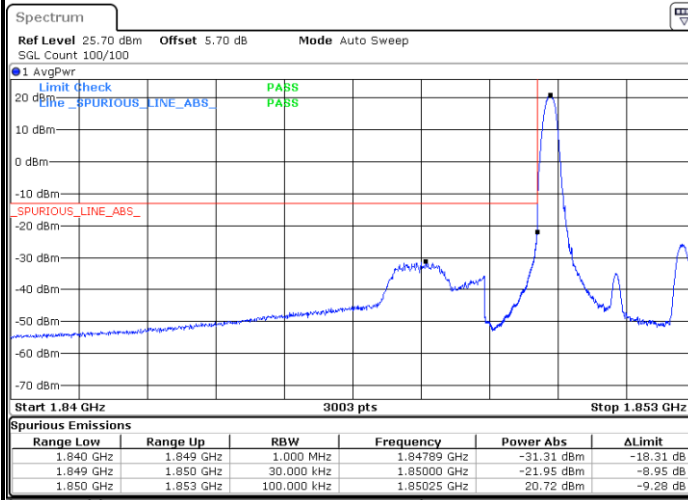
Highest Band Edge / Full RB



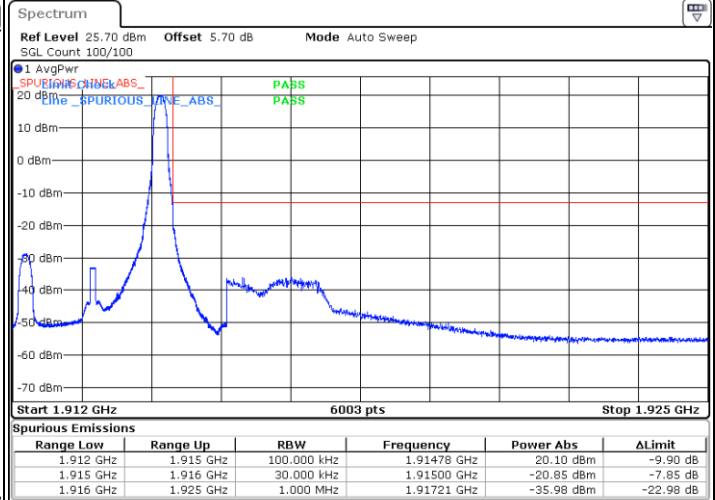


LTE Band 25 / 3MHz / QPSK

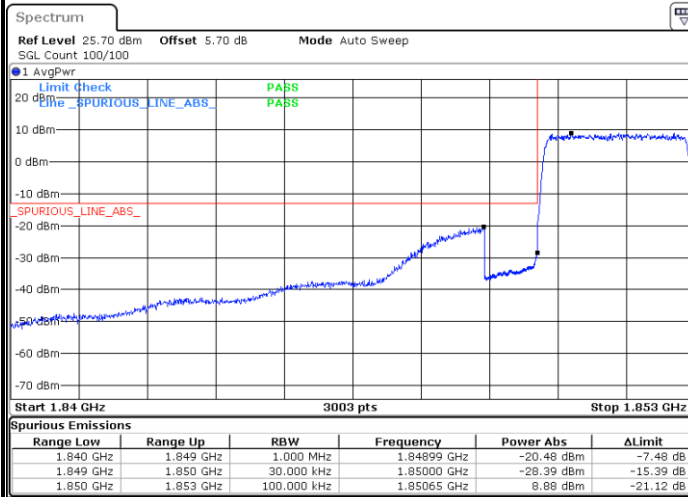
Lowest Band Edge / 1RB



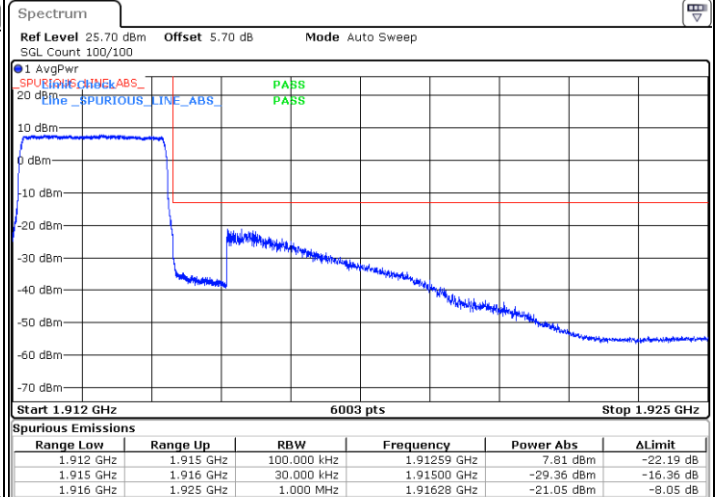
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



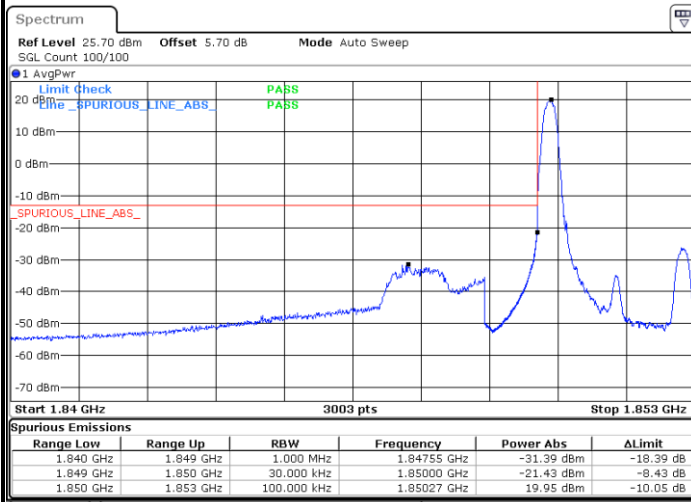
Highest Band Edge / Full RB



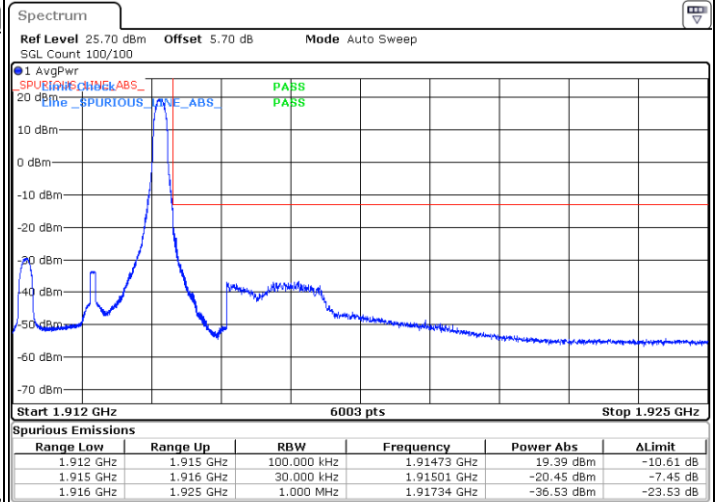


LTE Band 25 / 3MHz / 16QAM

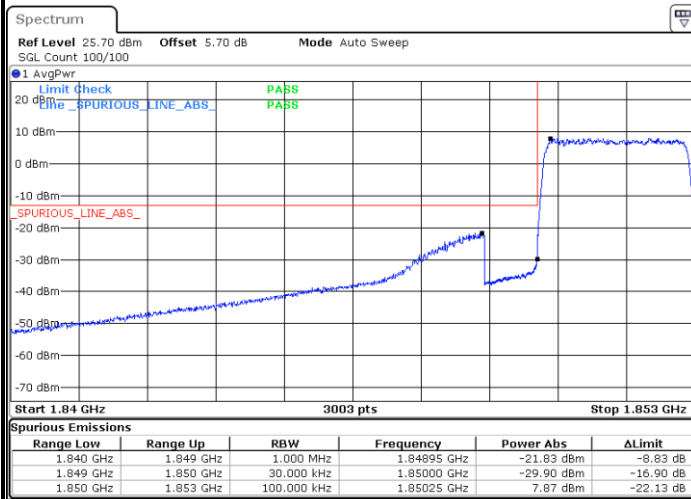
Lowest Band Edge / 1 RB



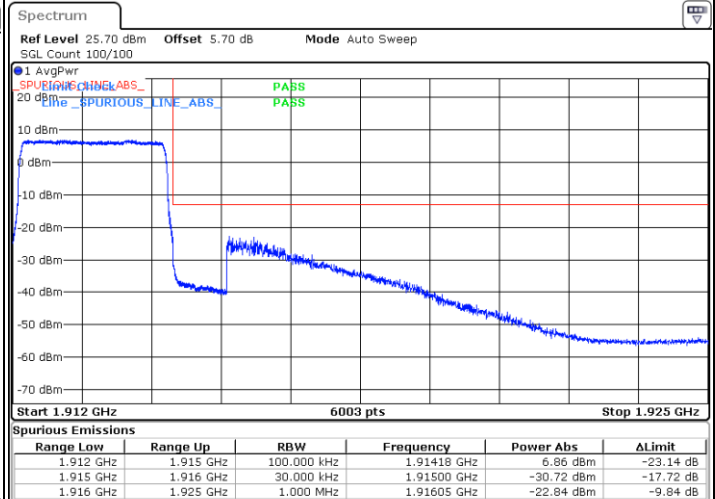
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



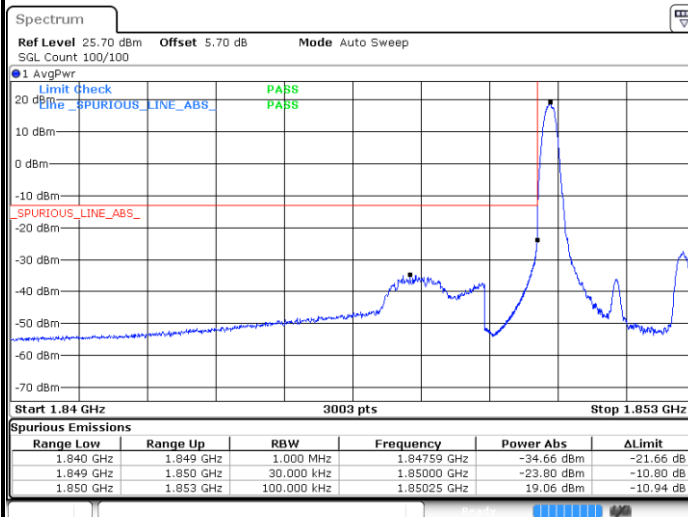
Highest Band Edge / Full RB



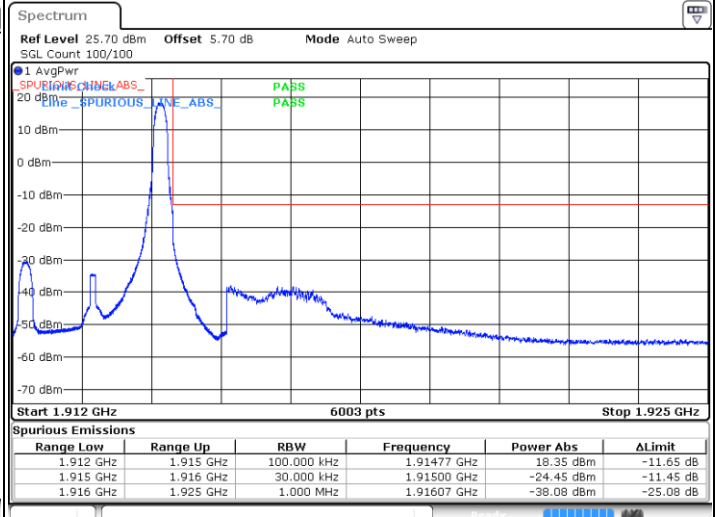


LTE Band 25 / 3MHz / 64QAM

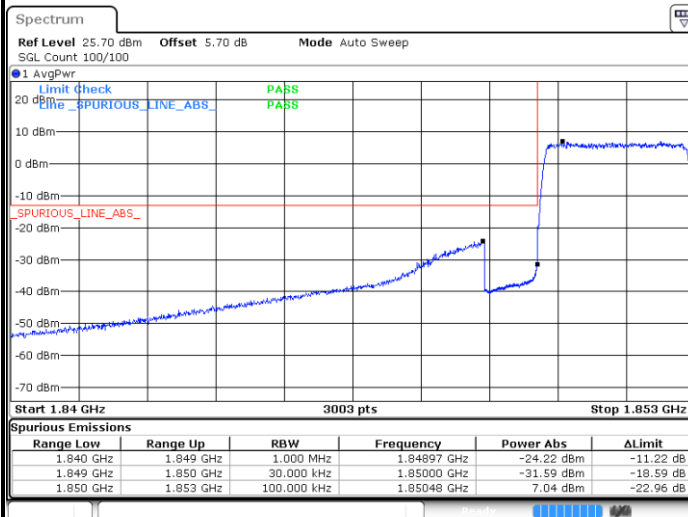
Lowest Band Edge / 1 RB



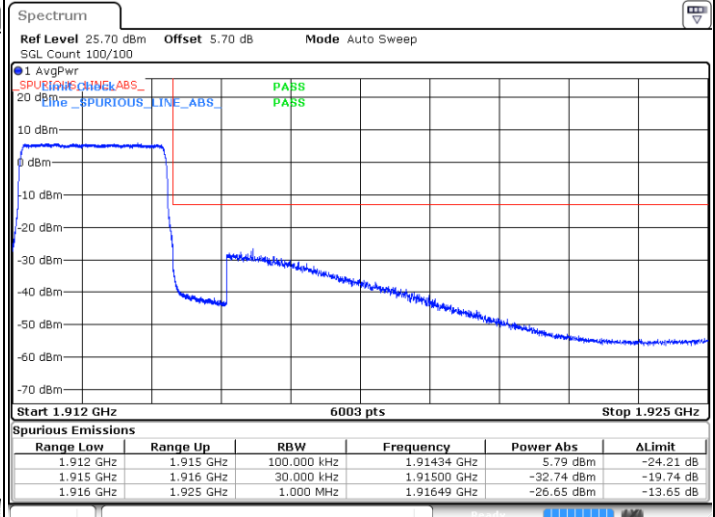
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



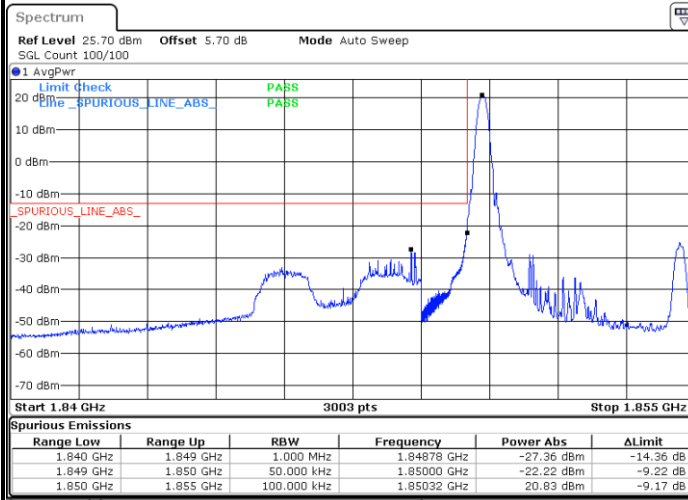
Highest Band Edge / Full RB



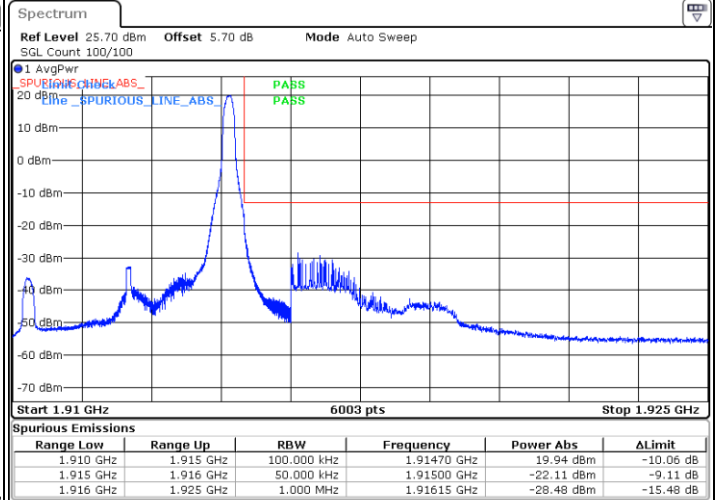


LTE Band 25 / 5MHz / QPSK

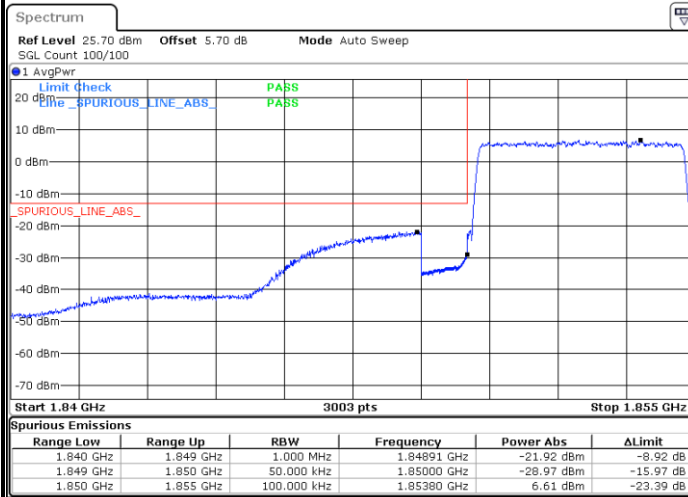
Lowest Band Edge / 1 RB



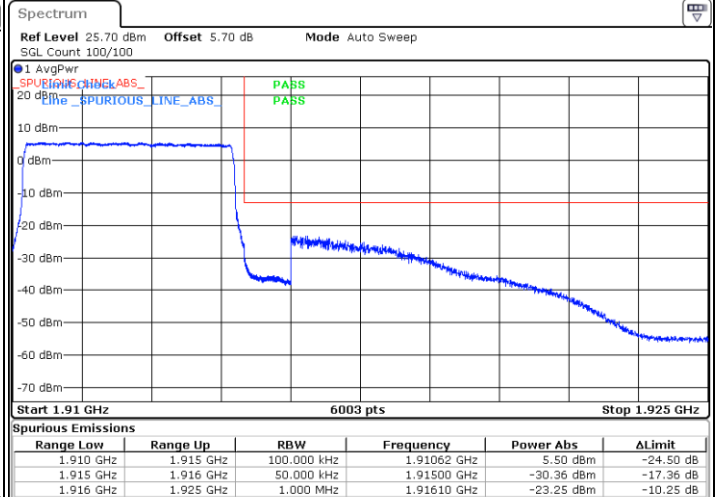
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



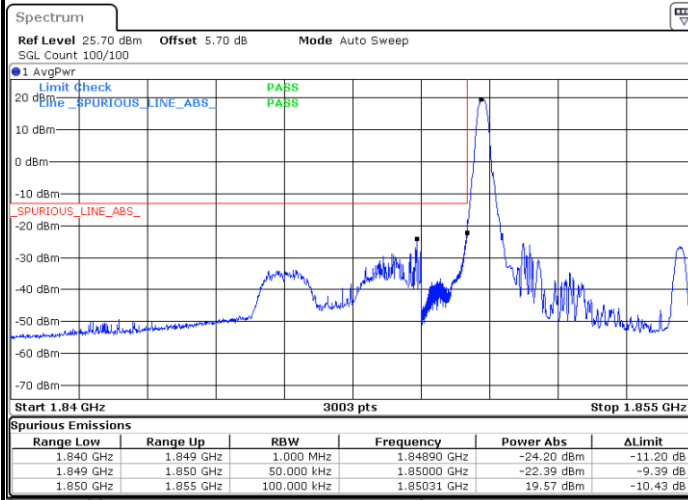
Highest Band Edge / Full RB



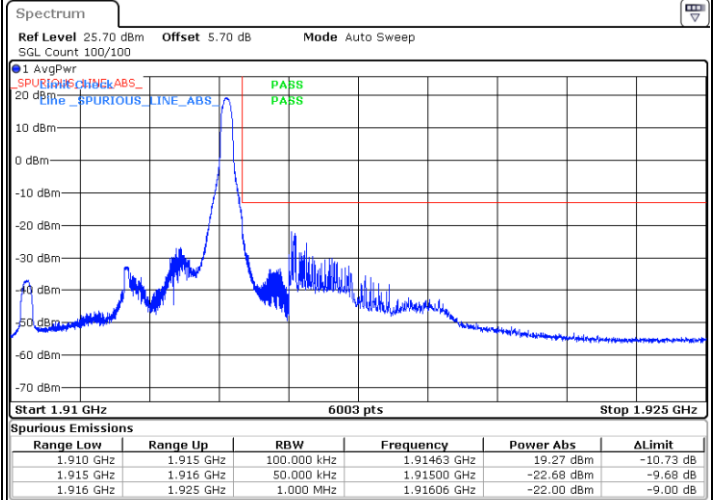


LTE Band 25 / 5MHz / 16QAM

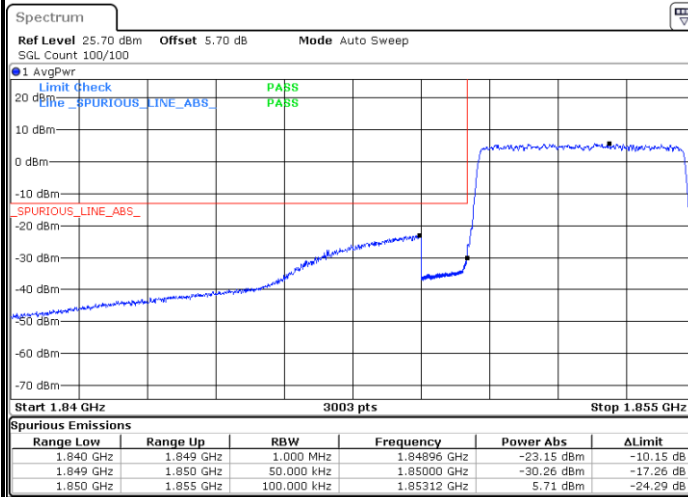
Lowest Band Edge / 1RB



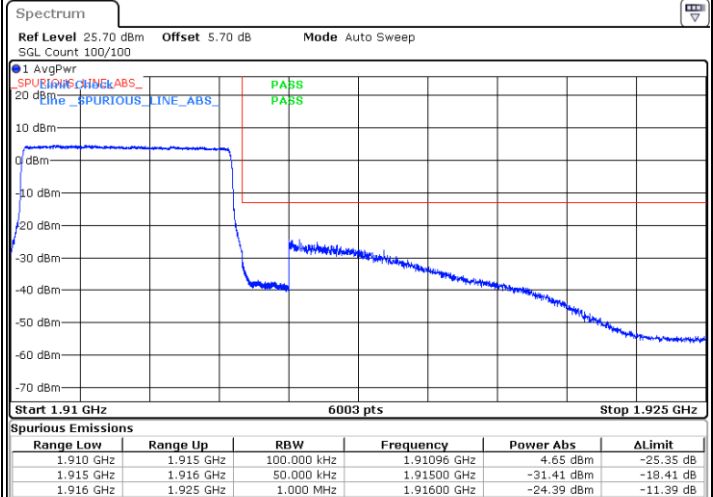
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



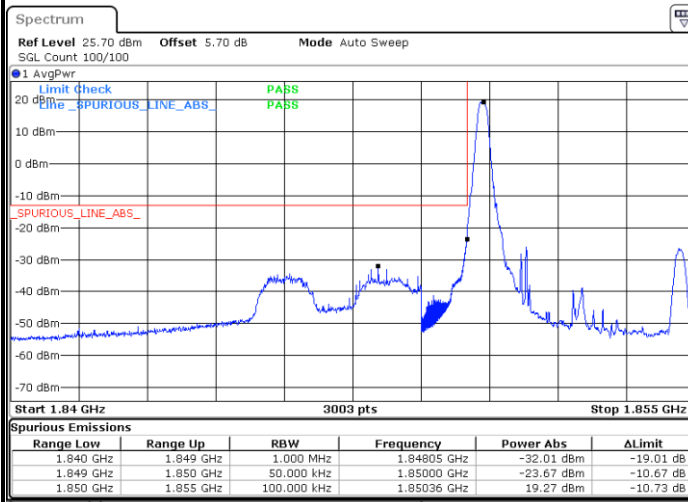
Highest Band Edge / Full RB



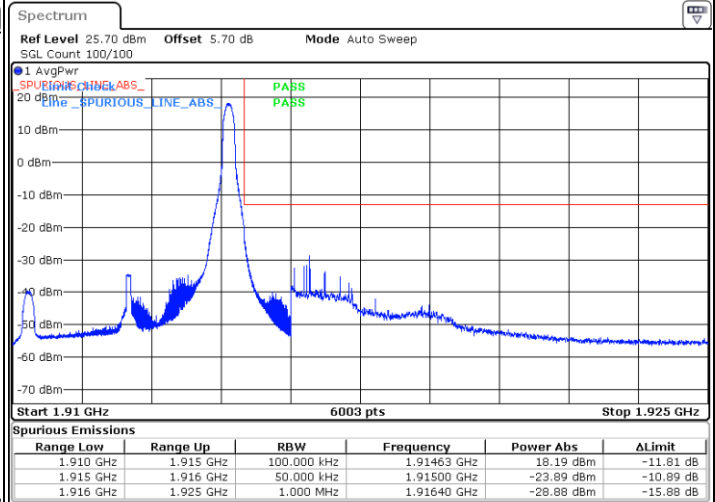


LTE Band 25 / 5MHz / 64QAM

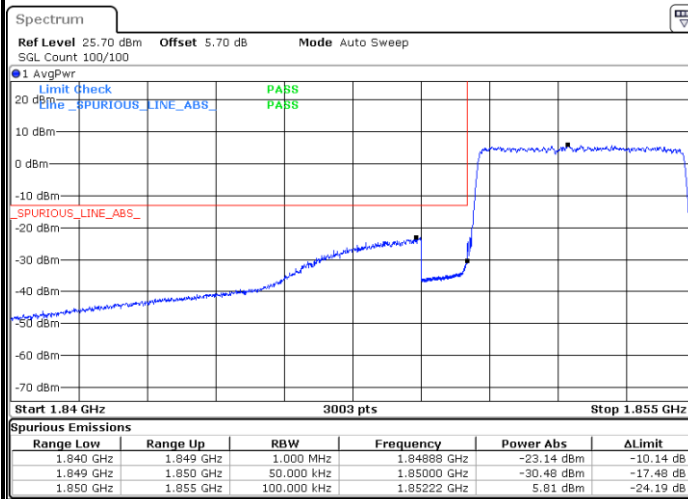
Lowest Band Edge / 1RB



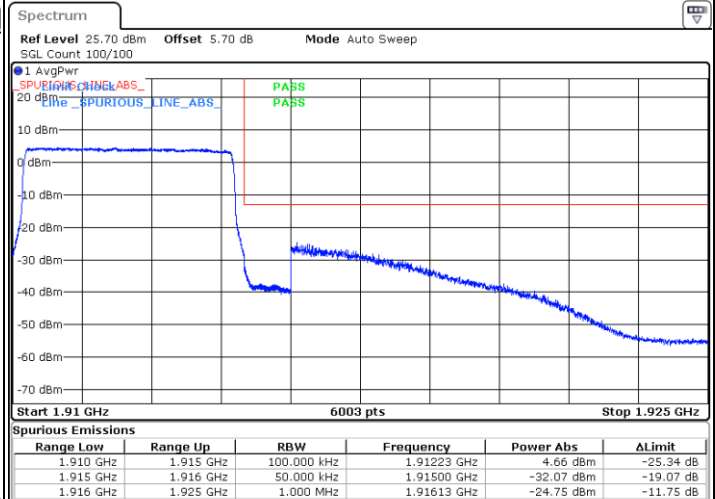
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



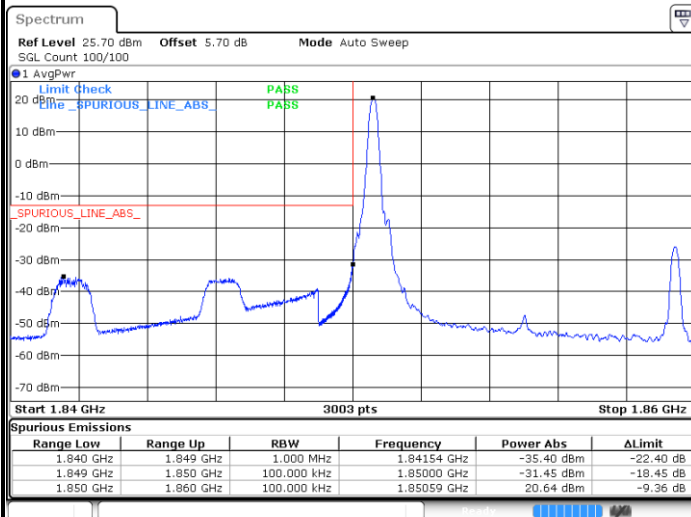
Highest Band Edge / Full RB



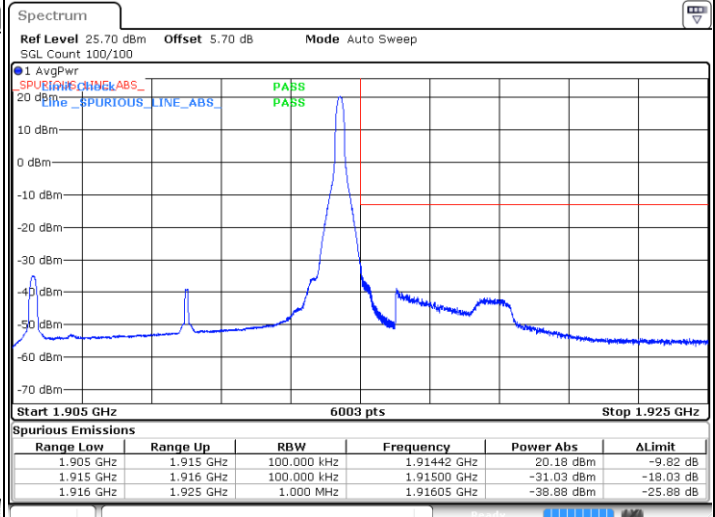


LTE Band 25 / 10MHz / QPSK

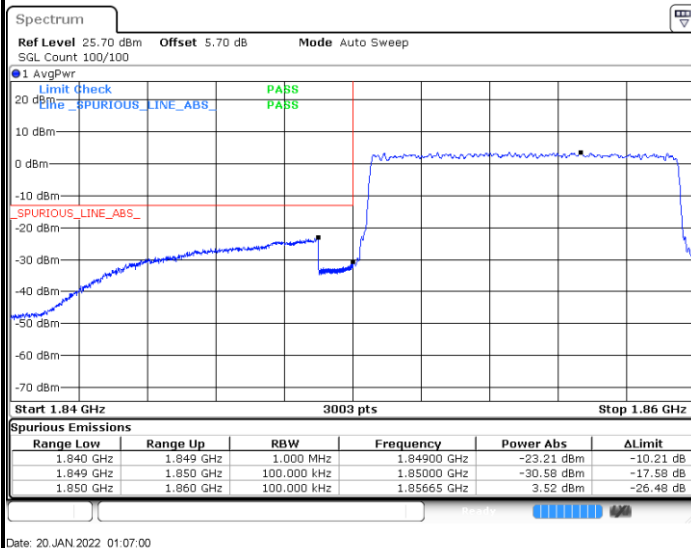
Lowest Band Edge / 1 RB



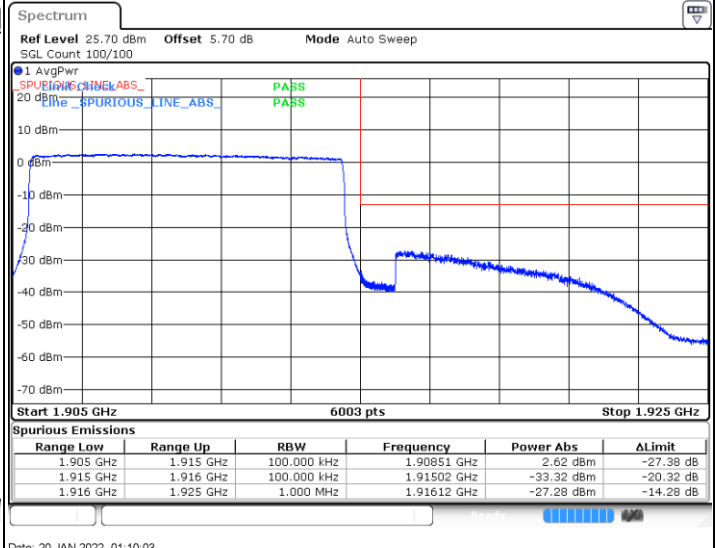
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



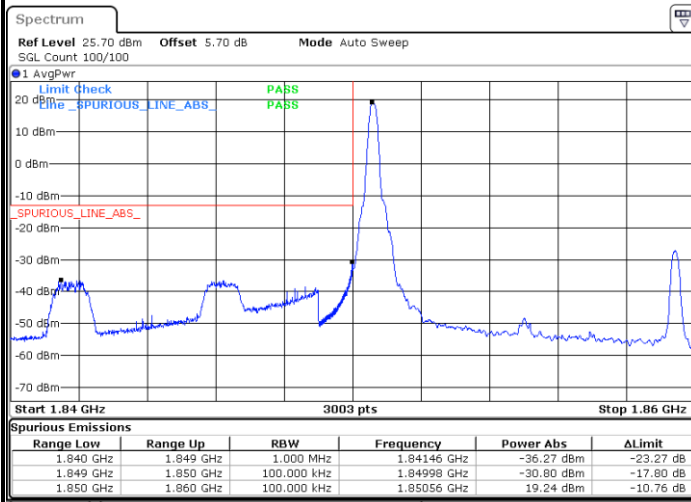
Highest Band Edge / Full RB



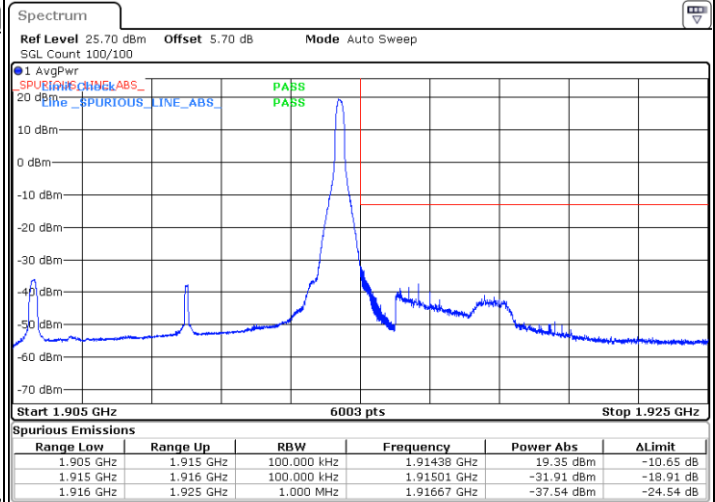


LTE Band 25 / 10MHz / 16QAM

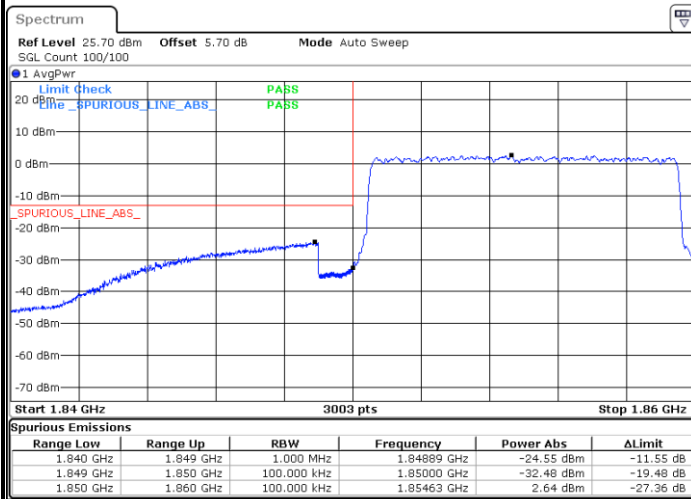
Lowest Band Edge / 1 RB



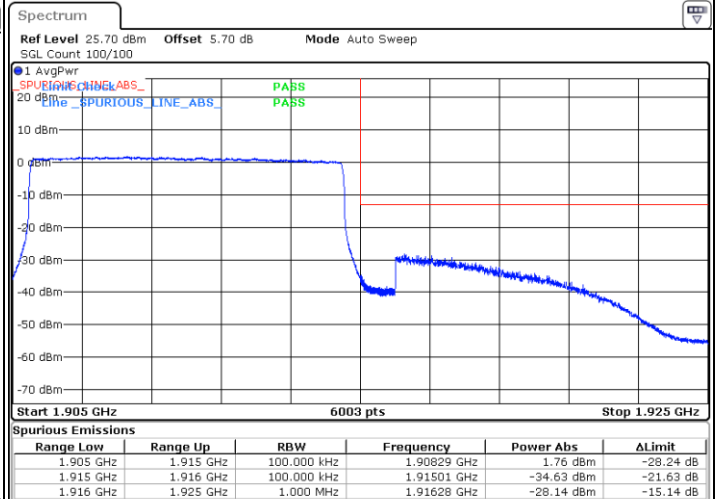
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



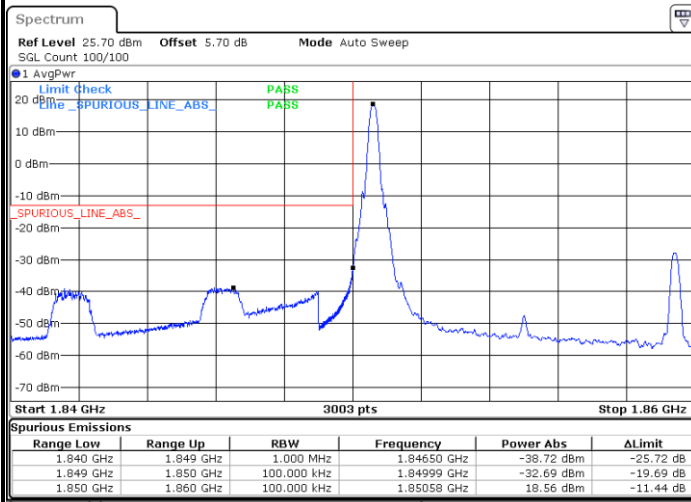
Highest Band Edge / Full RB



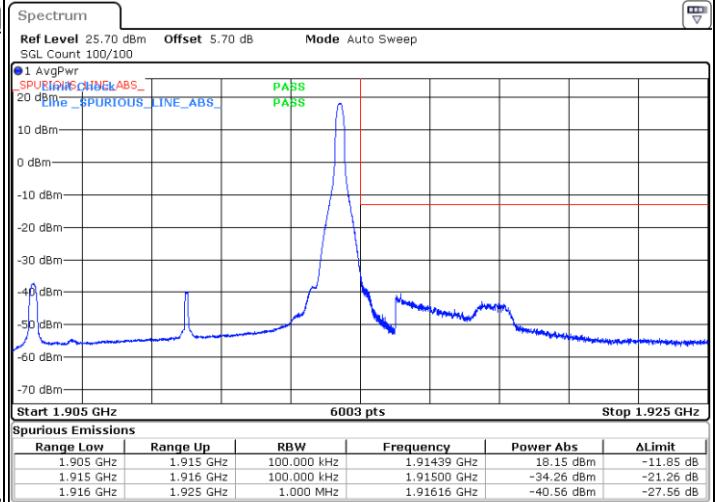


LTE Band 25 / 10MHz / 64QAM

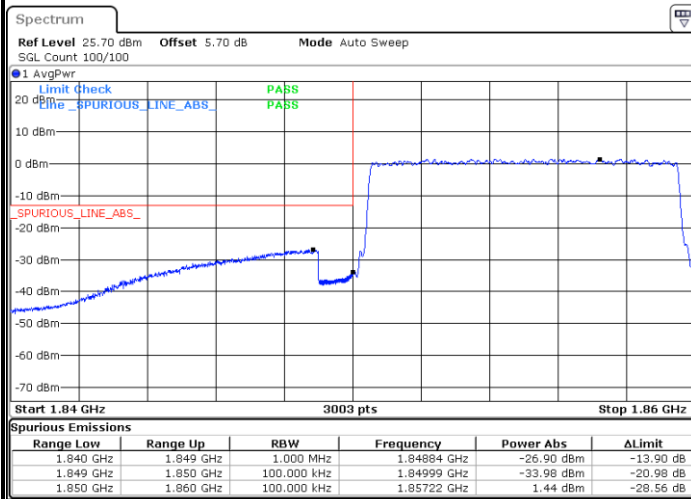
Lowest Band Edge / 1 RB



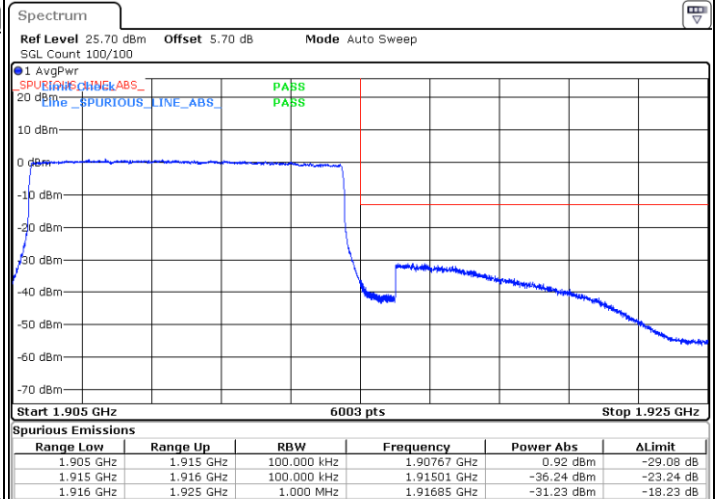
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



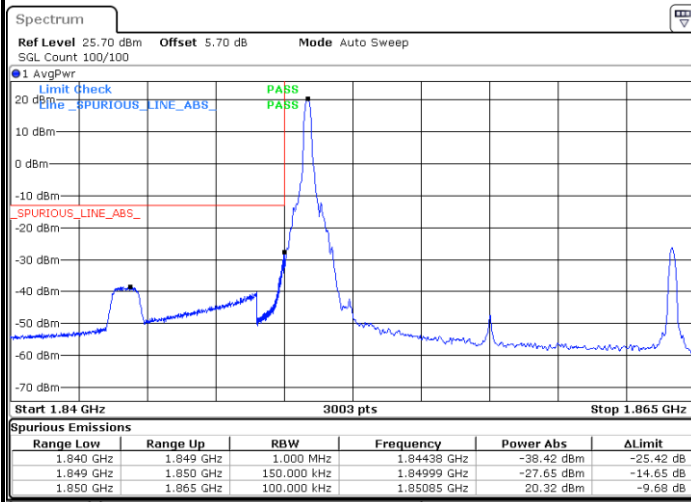
Highest Band Edge / Full RB



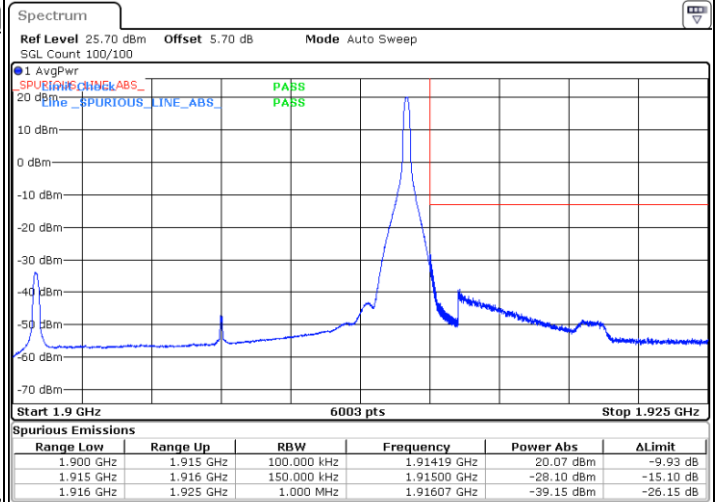


LTE Band 25 / 15MHz / QPSK

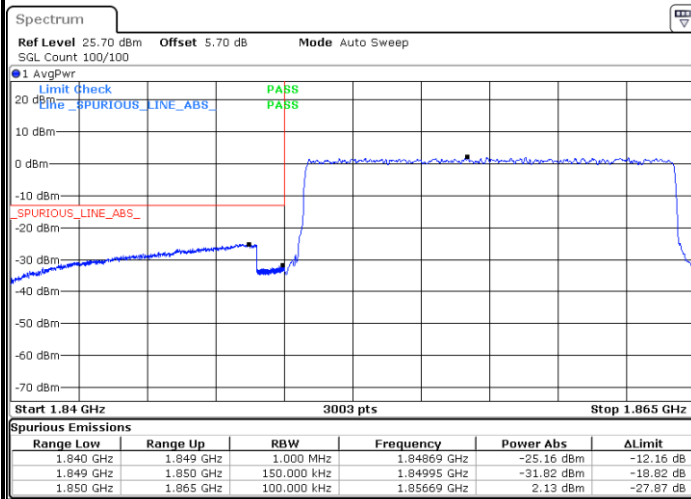
Lowest Band Edge / 1 RB



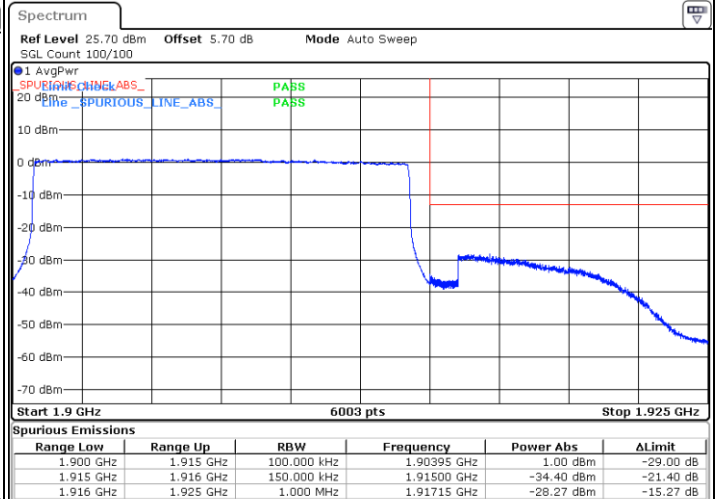
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



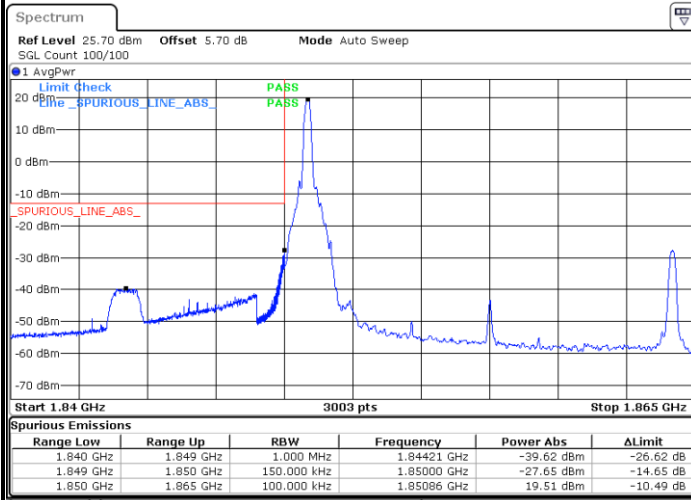
Highest Band Edge / Full RB



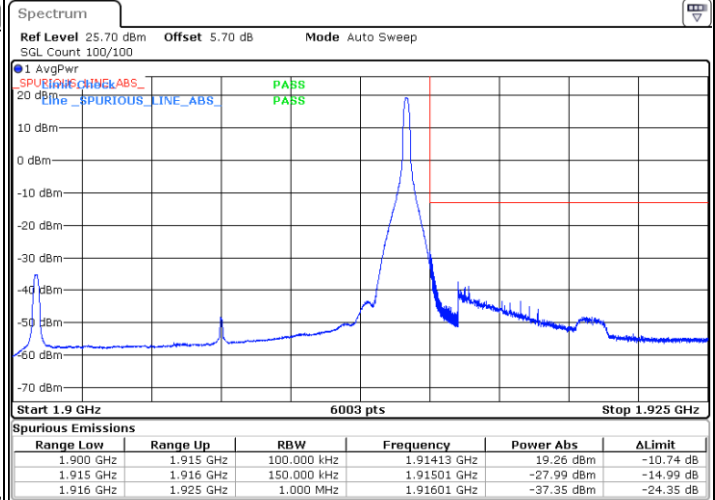


LTE Band 25 / 15MHz / 16QAM

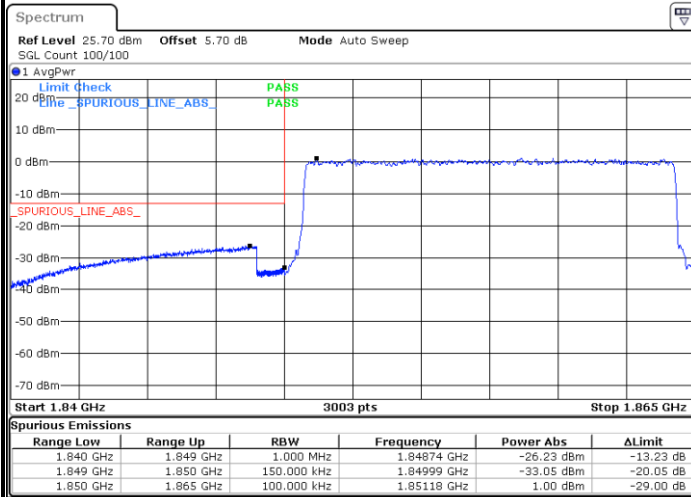
Lowest Band Edge / 1 RB



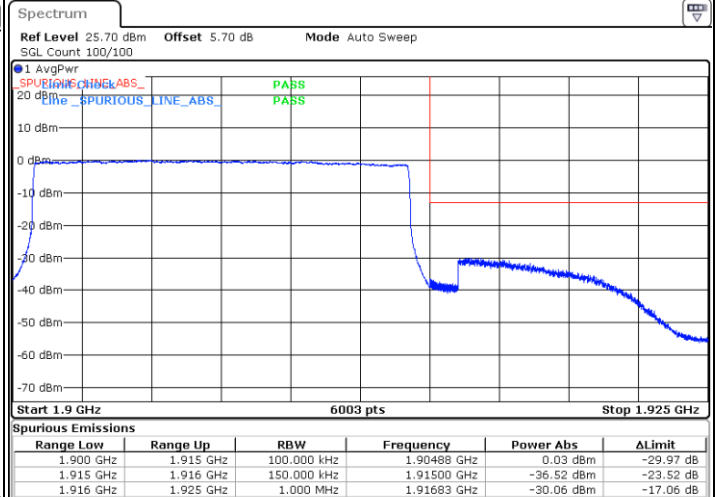
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



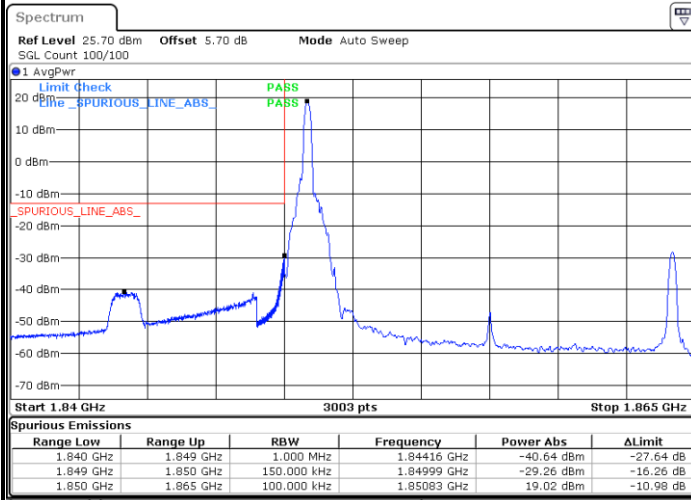
Highest Band Edge / Full RB



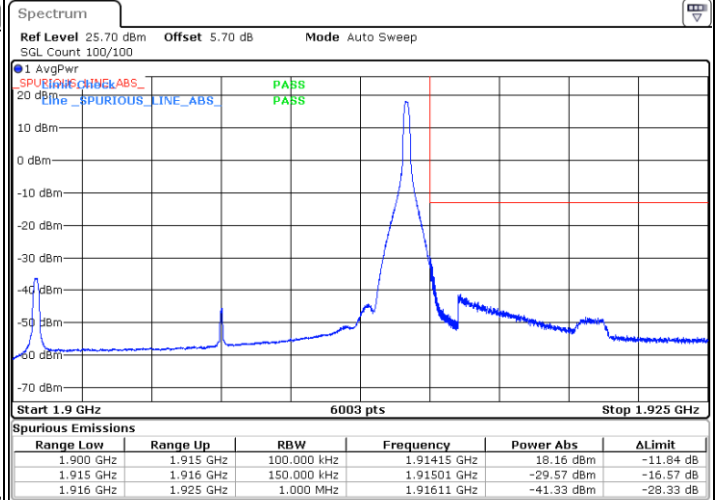


LTE Band 25 / 15MHz / 64QAM

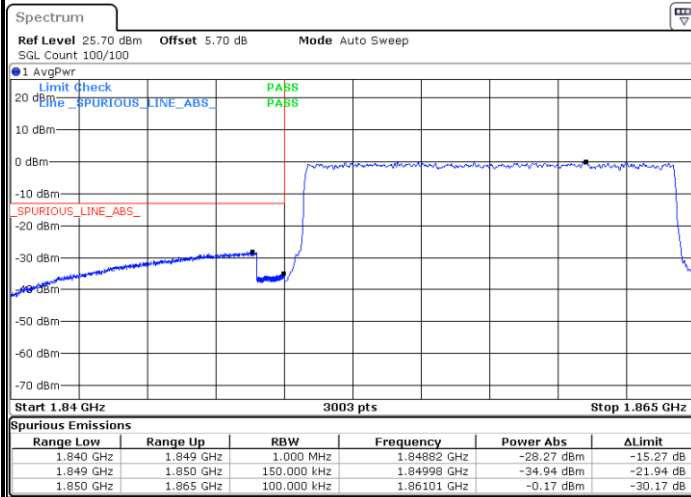
Lowest Band Edge / 1 RB



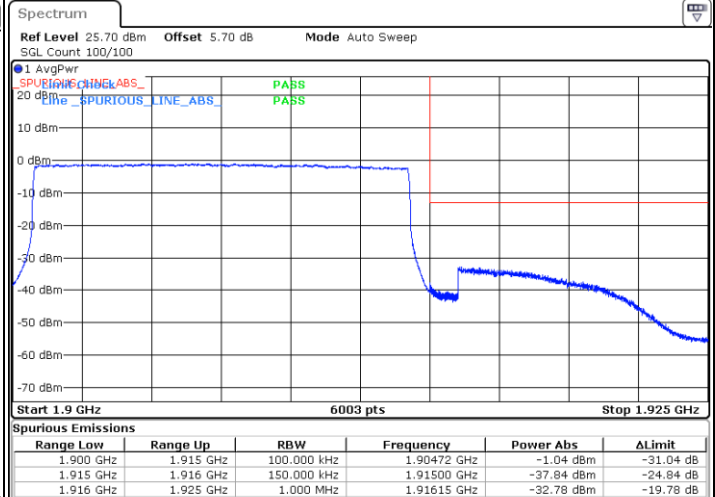
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



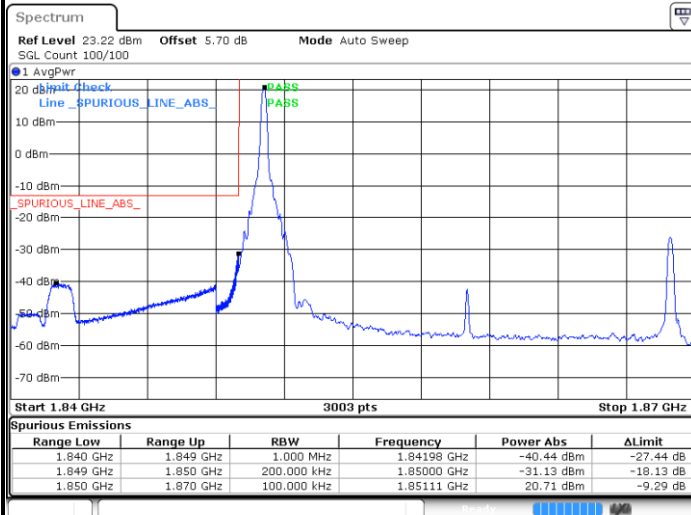
Highest Band Edge / Full RB



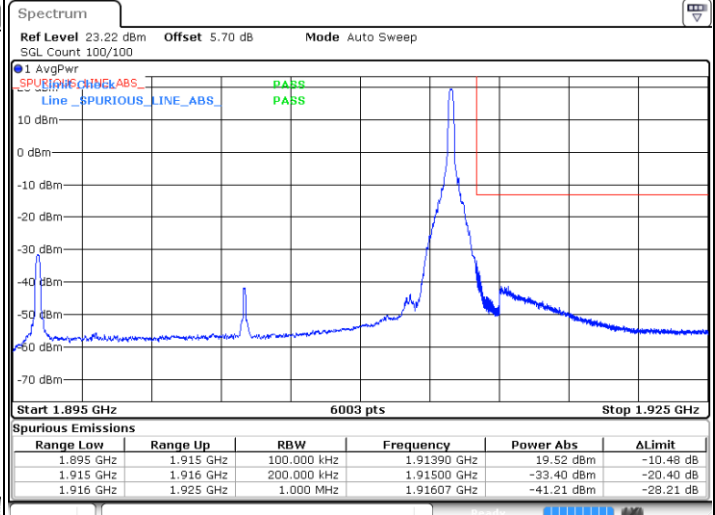


LTE Band 25 / 20MHz / QPSK

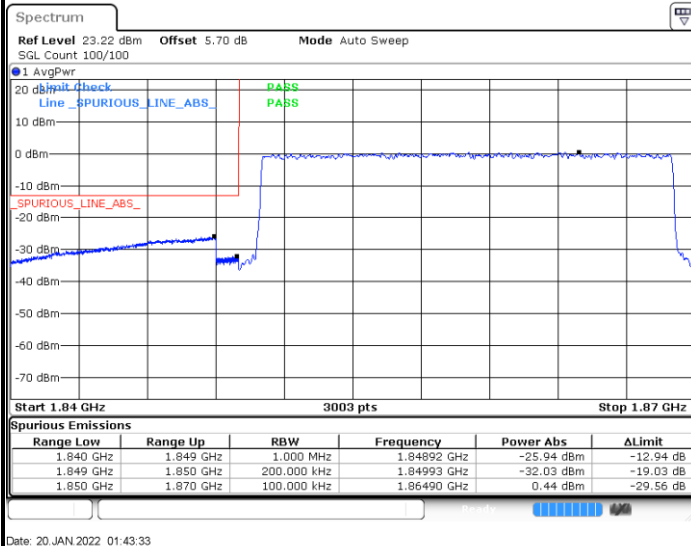
Lowest Band Edge / 1 RB



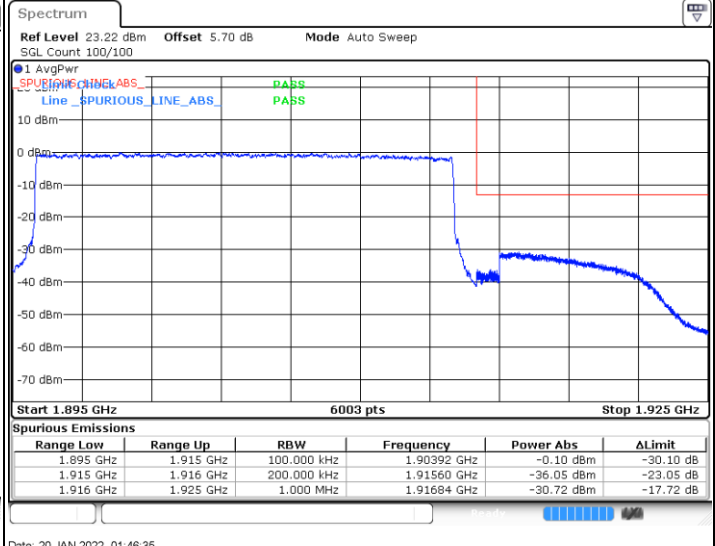
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



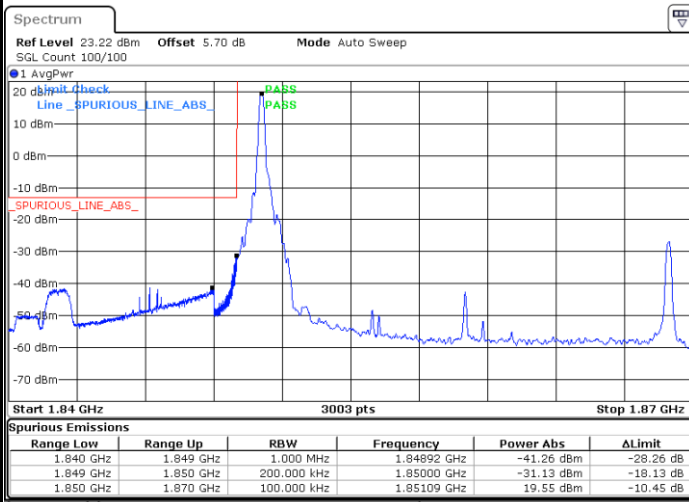
Highest Band Edge / Full RB



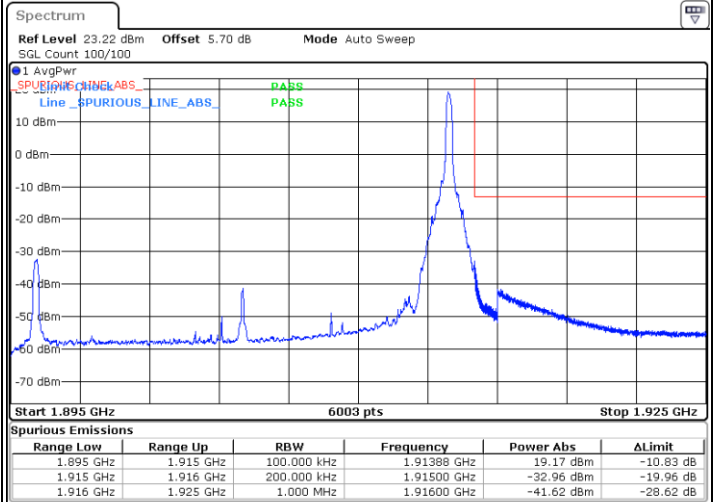


LTE Band 25 / 20MHz / 16QAM

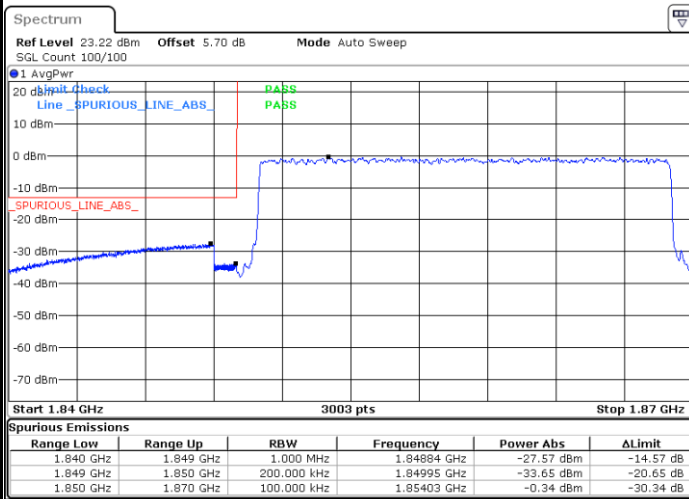
Lowest Band Edge / 1 RB



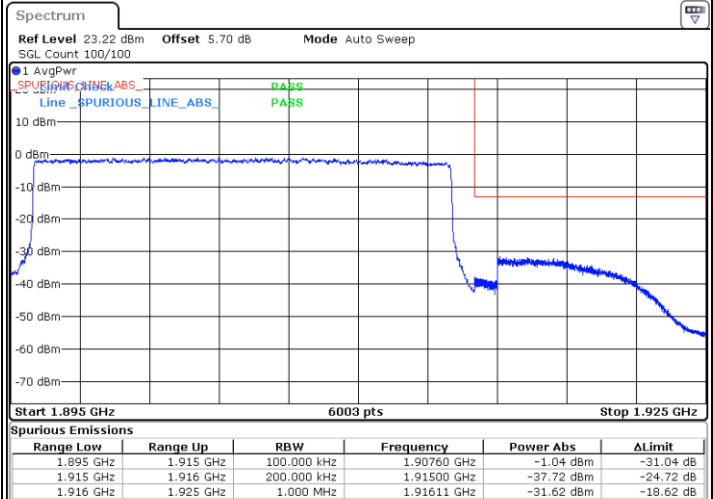
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



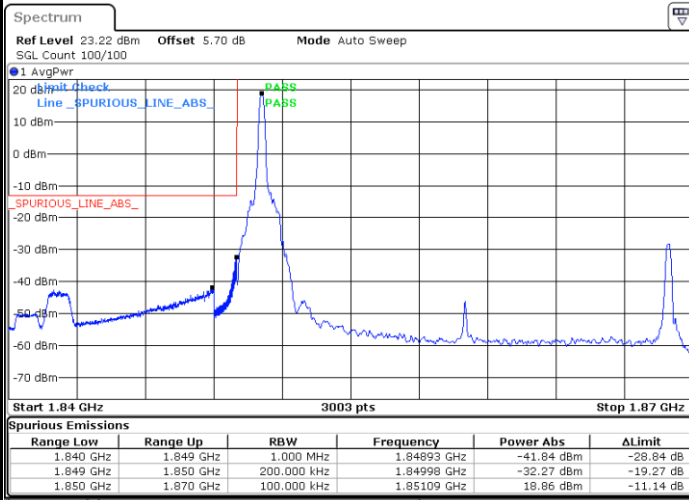
Highest Band Edge / Full RB



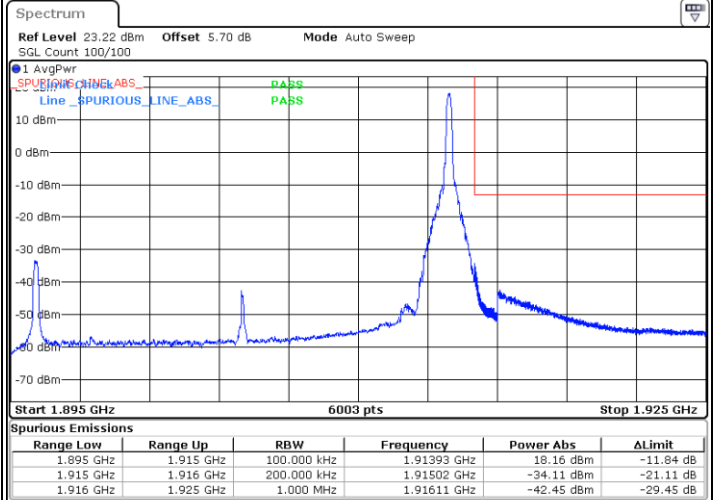


LTE Band 25 / 20MHz / 64QAM

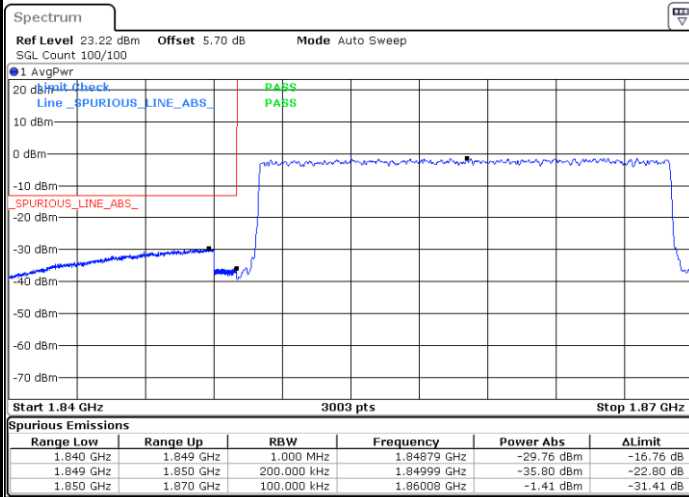
Lowest Band Edge / 1 RB



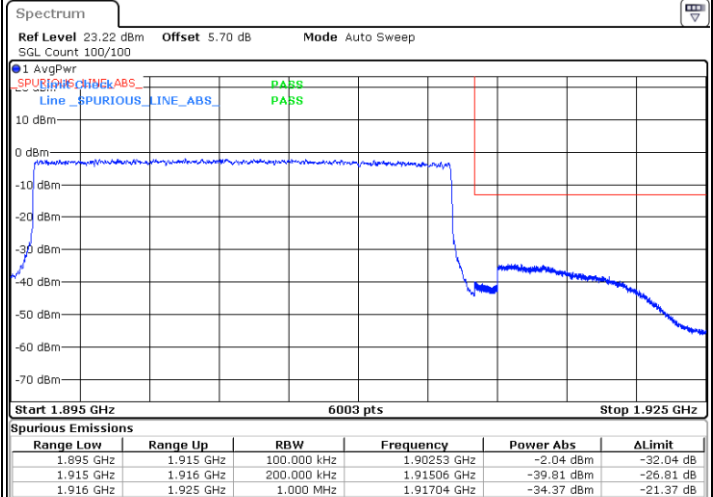
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

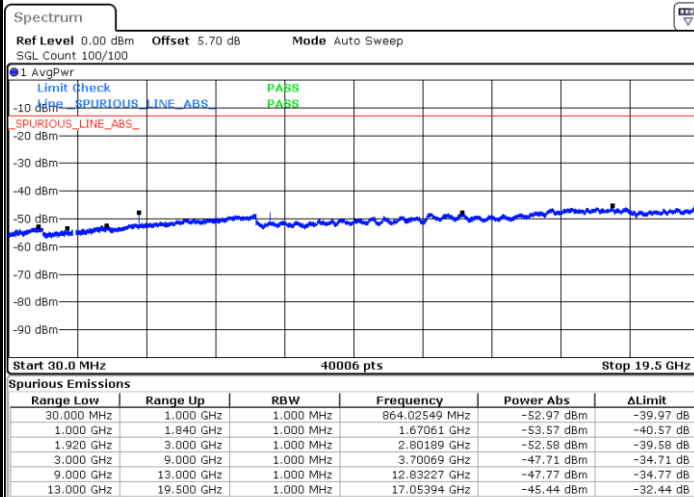




Conducted Spurious Emission

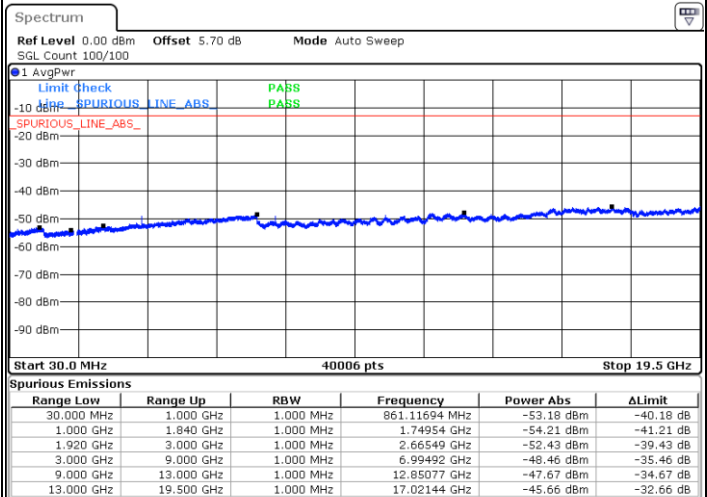
LTE Band 25 / 1.4MHz

Lowest Channel / QPSK



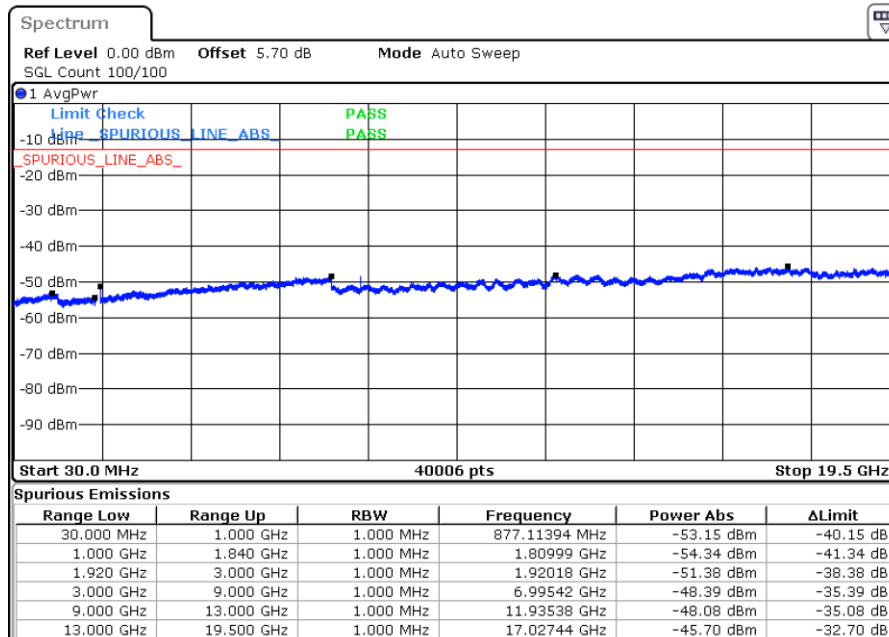
Date: 20 JAN 2022 03:17:38

Middle Channel / QPSK



Date: 20 JAN 2022 03:19:09

Highest Channel / QPSK

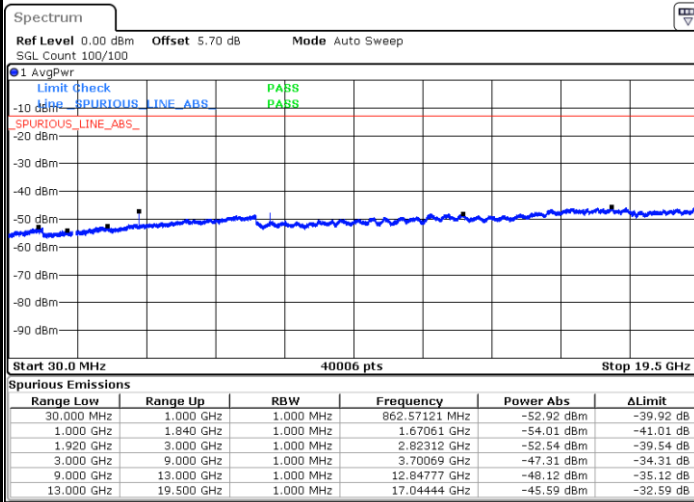


Date: 20 JAN 2022 03:20:41



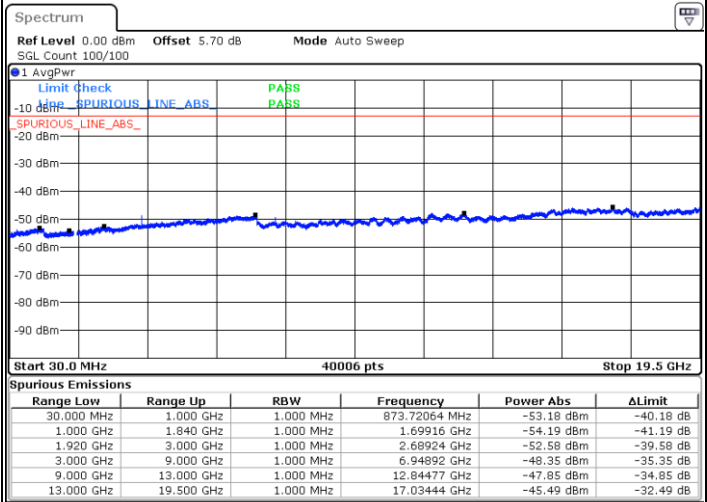
LTE Band 25 / 3MHz

Lowest Channel / QPSK



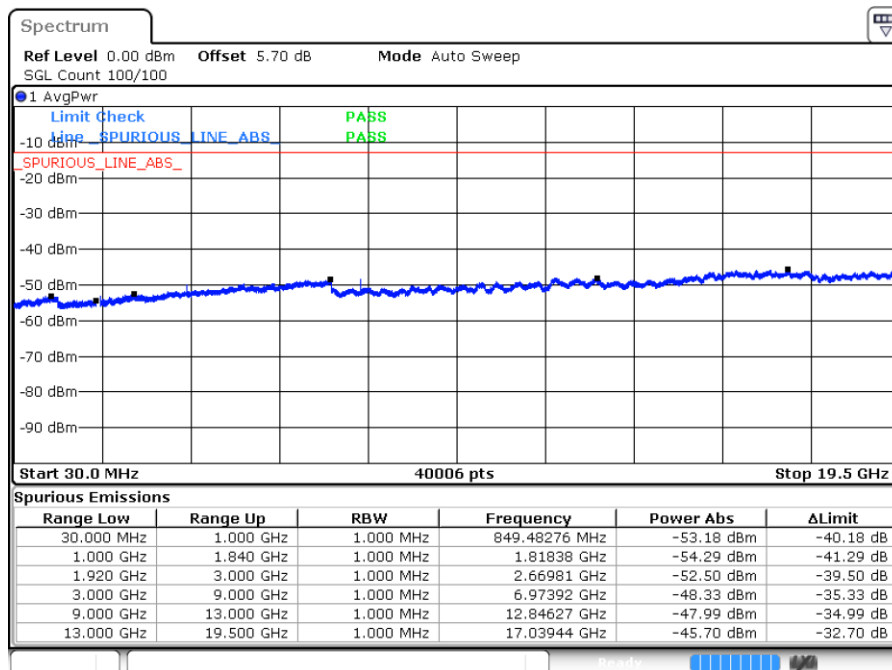
Date: 20 JAN 2022 02:54:32

Middle Channel / QPSK



Date: 20 JAN 2022 02:56:04

Highest Channel / QPSK



Date: 20 JAN 2022 02:57:35