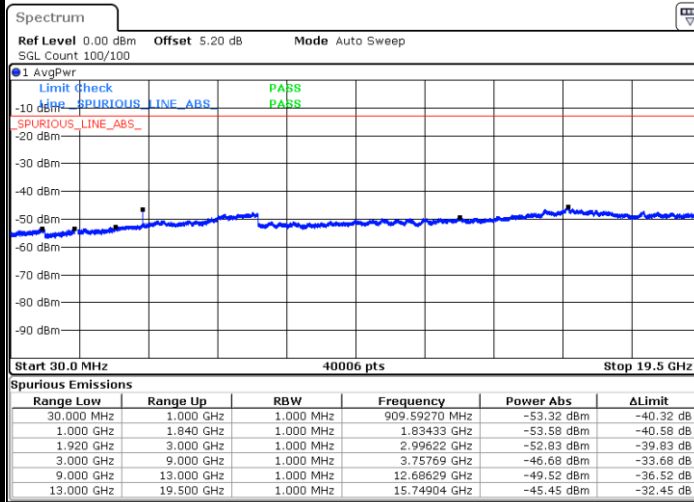




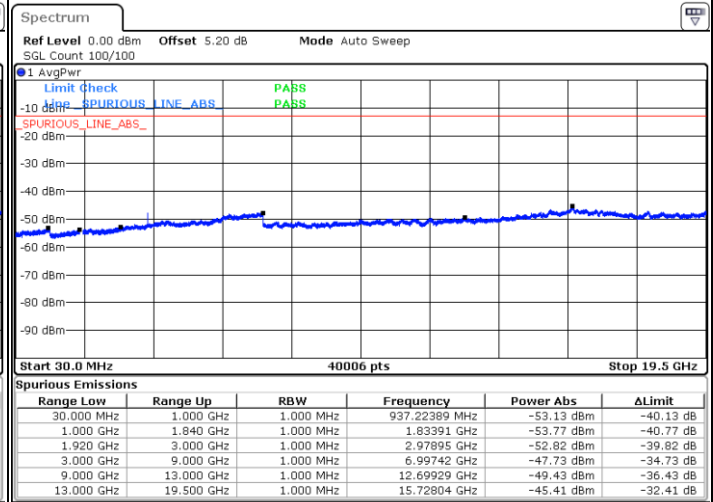
LTE Band 2 / 3MHz

Middle Channel / QPSK



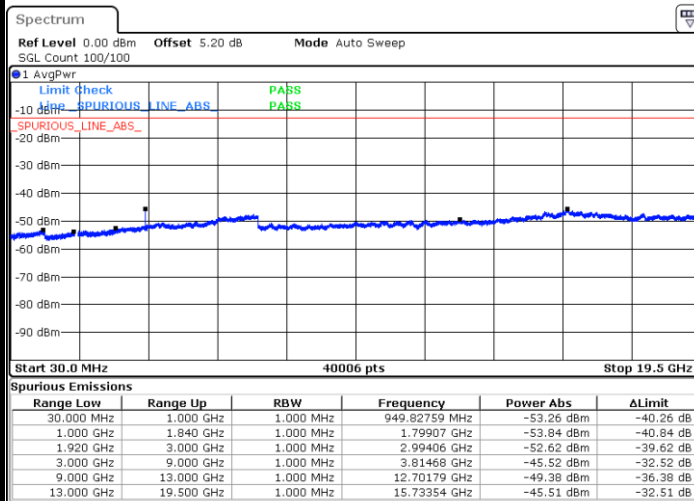
Date: 15.DEC.2020 20:00:27

Middle Channel / 16QAM



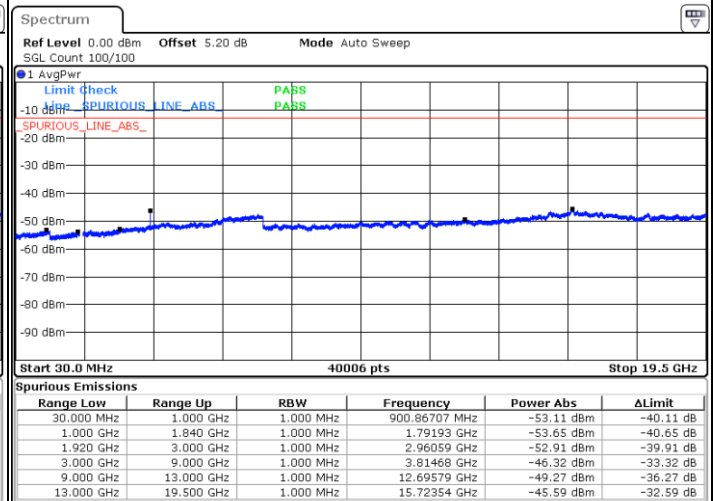
Date: 15.DEC.2020 20:01:23

Highest Channel / QPSK



Date: 15.DEC.2020 20:06:49

Highest Channel / 16QAM

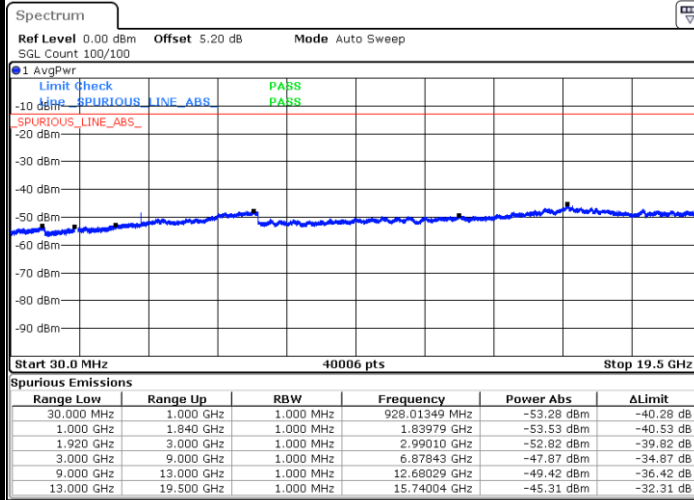


Date: 15.DEC.2020 20:07:45



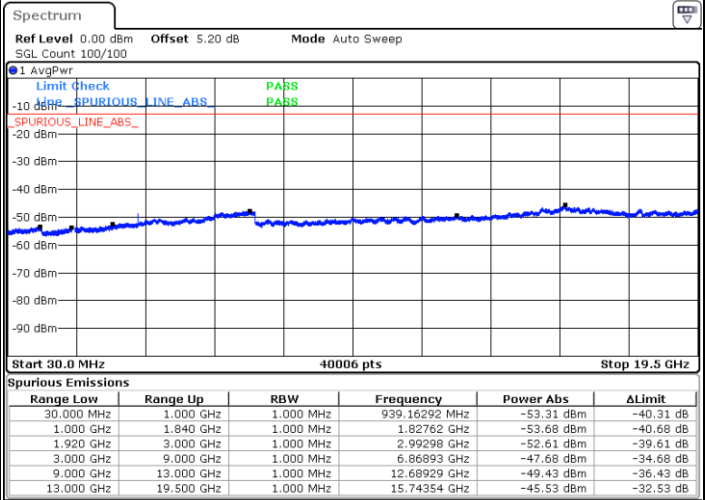
LTE Band 2 / 5MHz

Lowest Channel / QPSK



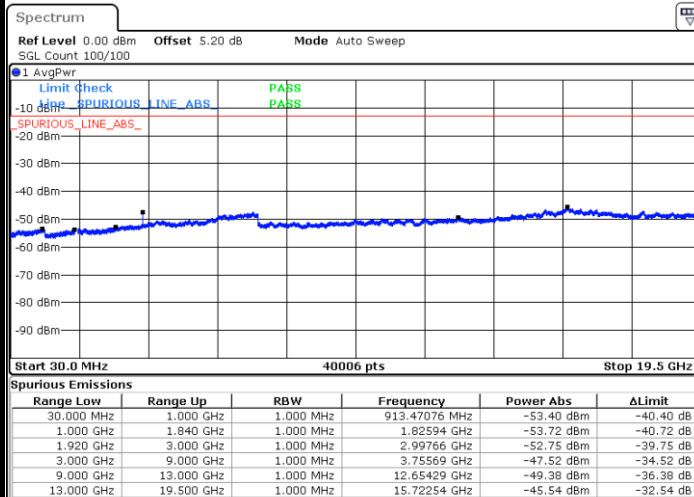
Date: 15.DEC.2020 20:13:11

Lowest Channel / 16QAM



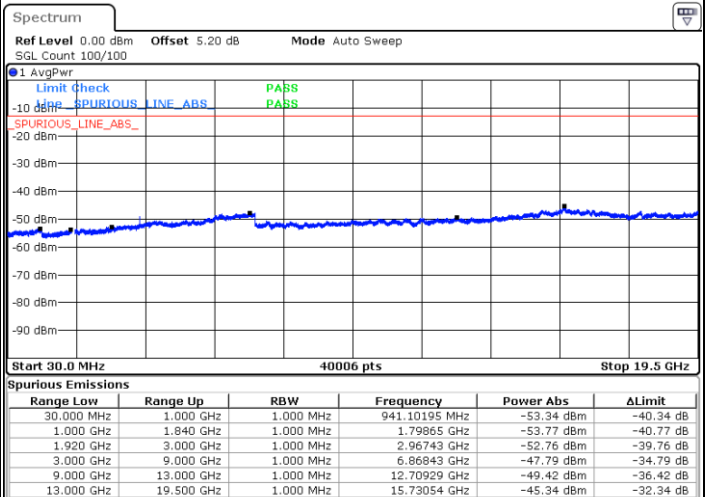
Date: 15.DEC.2020 20:14:07

Middle Channel / QPSK



Date: 15.DEC.2020 20:15:02

Middle Channel / 16QAM

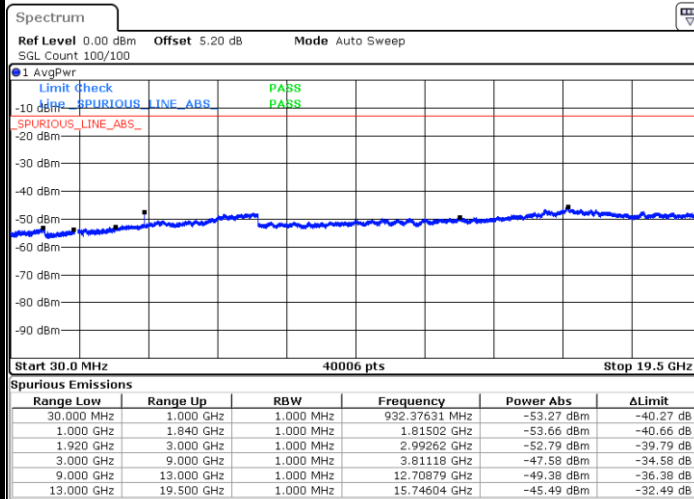


Date: 15.DEC.2020 20:15:58



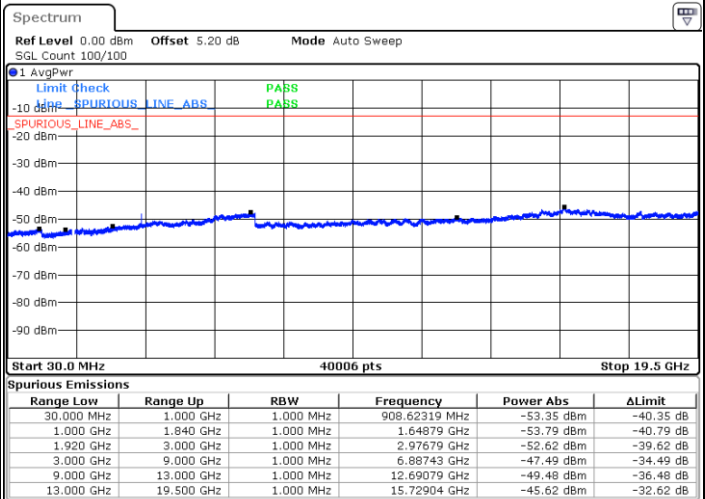
LTE Band 2 / 5MHz

Highest Channel / QPSK



Date: 15.DEC.2020 20:21:25

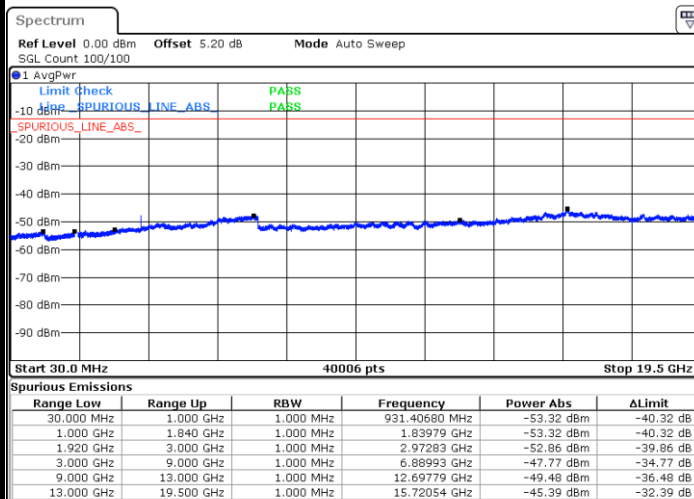
Highest Channel / 16QAM



Date: 15.DEC.2020 20:22:21

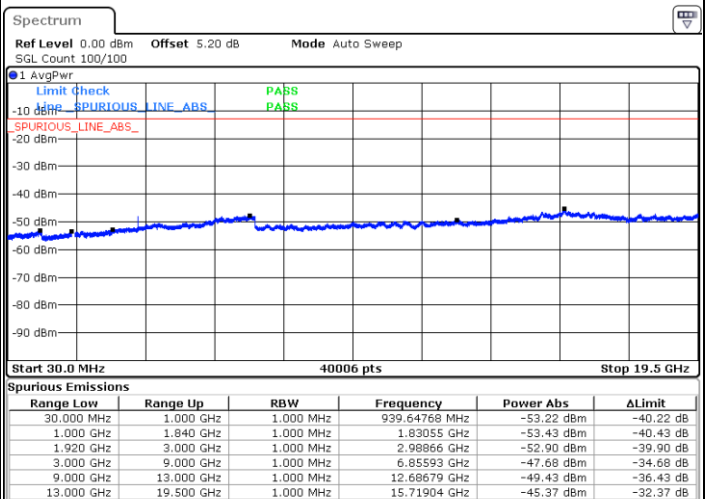
LTE Band 2 / 10MHz

Lowest Channel / QPSK



Date: 15.DEC.2020 20:27:47

Lowest Channel / 16QAM

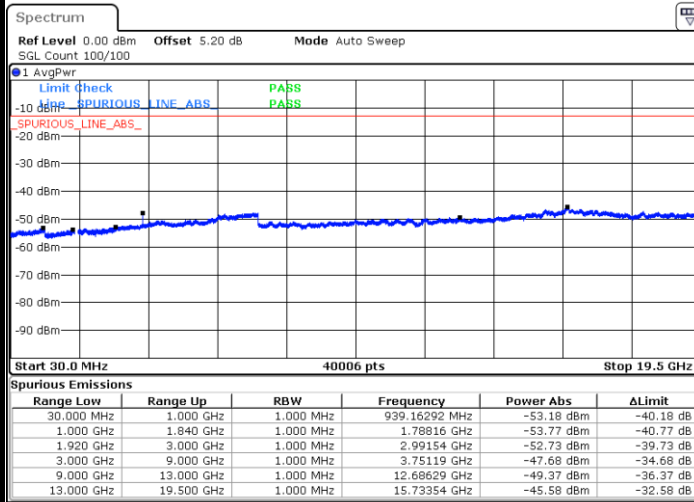


Date: 15.DEC.2020 20:28:43



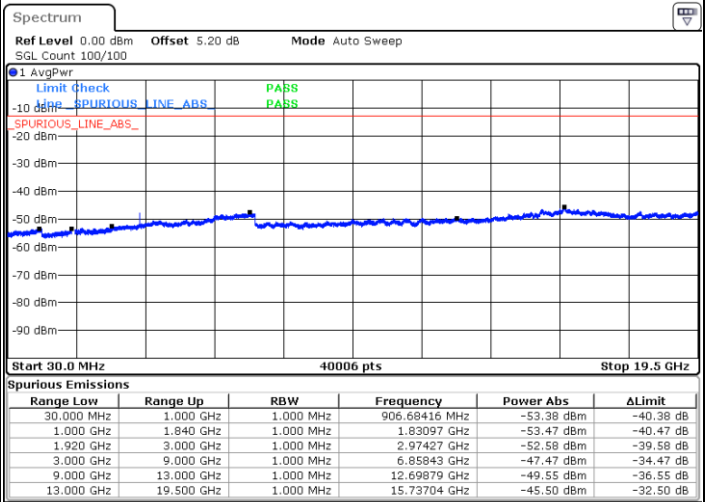
LTE Band 2 / 10MHz

Middle Channel / QPSK



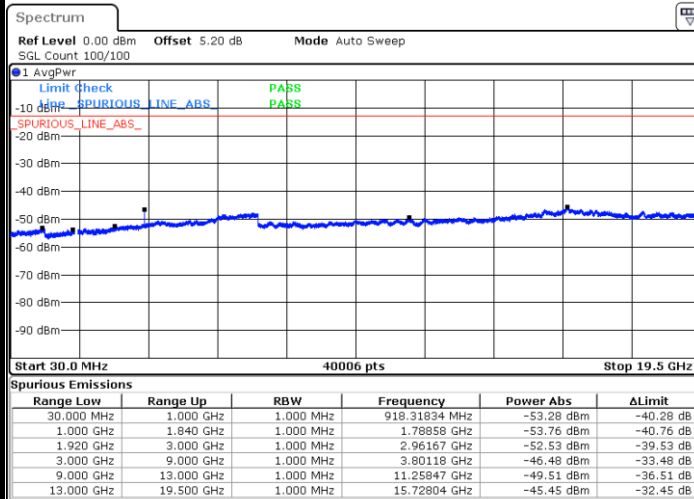
Date: 15.DEC.2020 20:29:38

Middle Channel / 16QAM



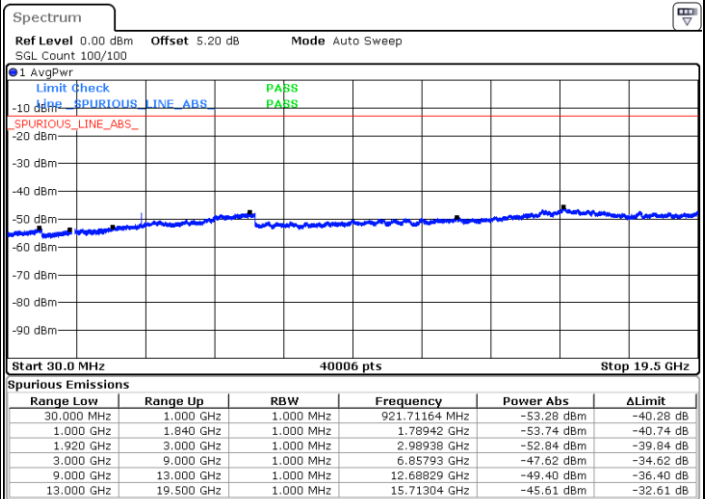
Date: 15.DEC.2020 20:30:34

Highest Channel / QPSK



Date: 15.DEC.2020 20:36:00

Highest Channel / 16QAM

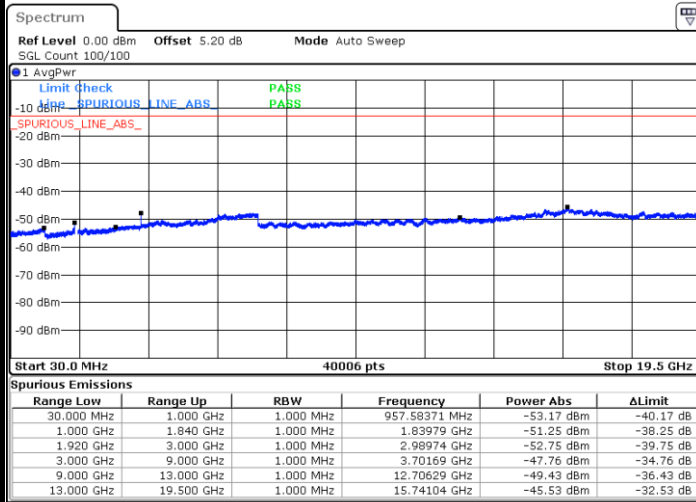


Date: 15.DEC.2020 20:36:56



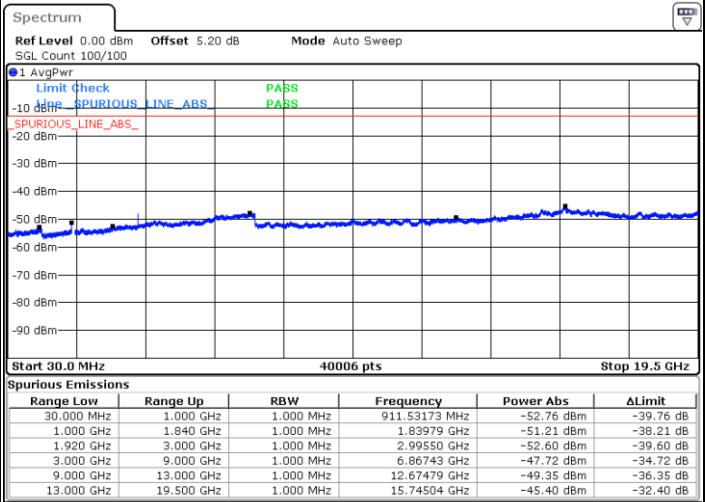
LTE Band 2 / 15MHz

Lowest Channel / QPSK



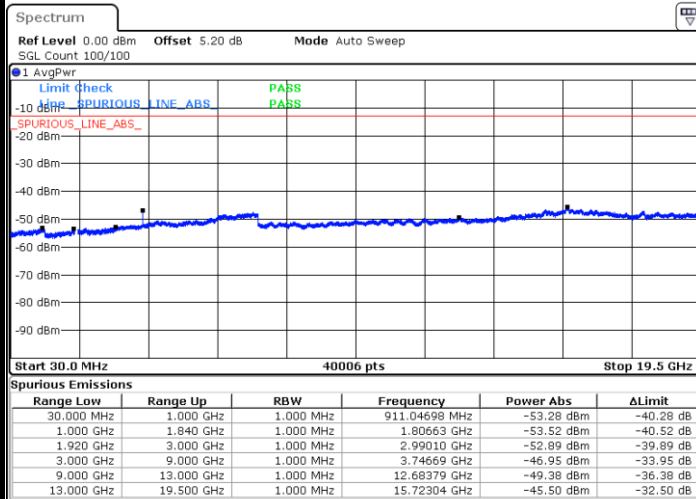
Date: 15.DEC.2020 20:42:23

Lowest Channel / 16QAM



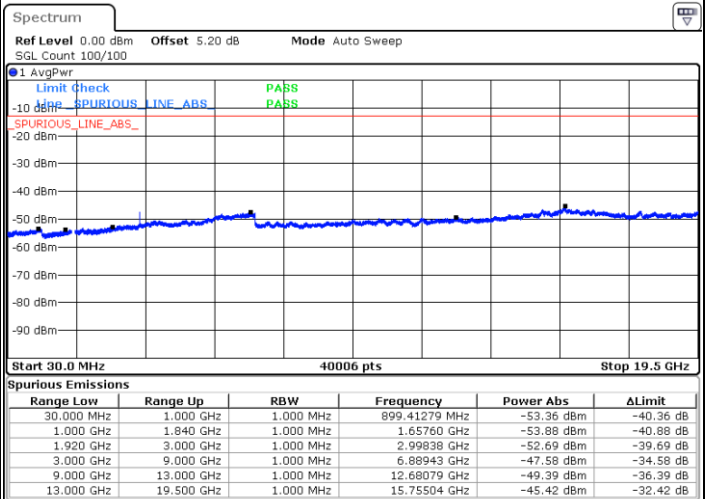
Date: 15.DEC.2020 20:43:19

Middle Channel / QPSK



Date: 15.DEC.2020 20:44:14

Middle Channel / 16QAM

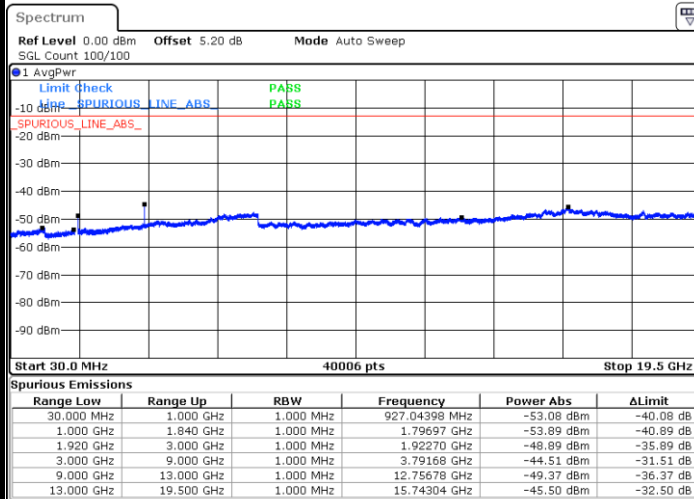


Date: 15.DEC.2020 20:45:10



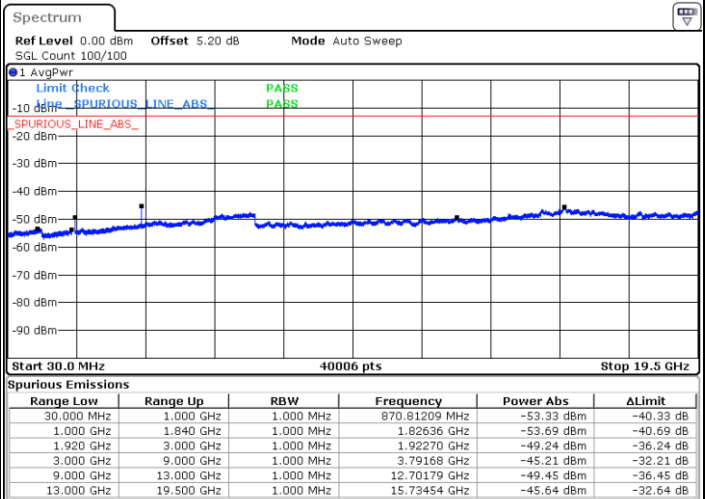
LTE Band 2 / 15MHz

Highest Channel / QPSK



Date: 15.DEC.2020 20:50:37

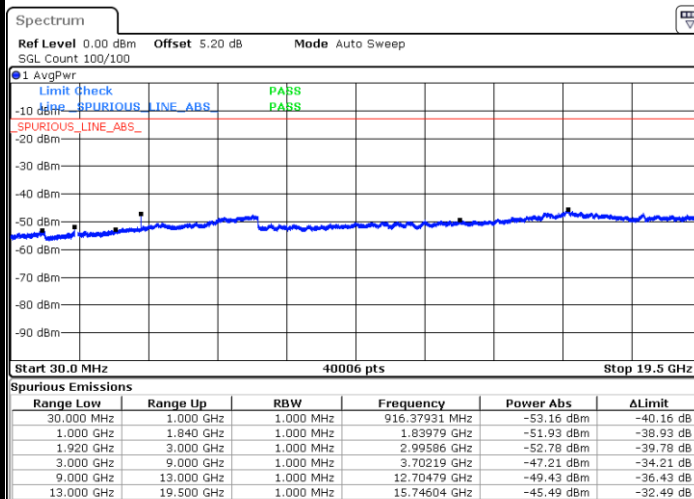
Highest Channel / 16QAM



Date: 15.DEC.2020 20:51:32

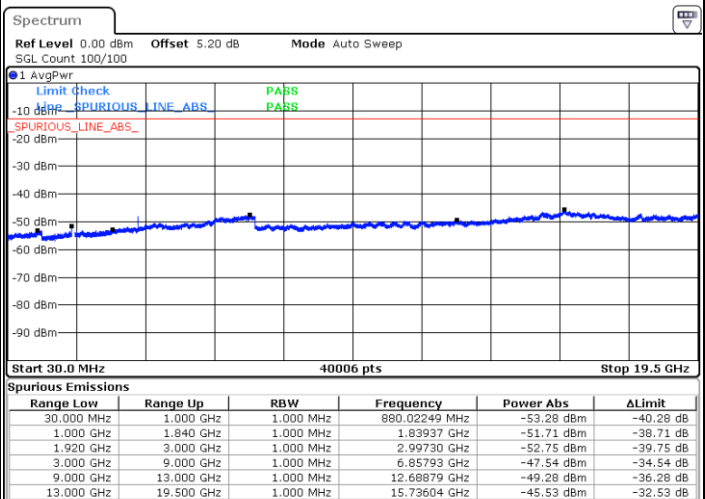
LTE Band 2 / 20MHz

Lowest Channel / QPSK



Date: 15.DEC.2020 20:56:59

Lowest Channel / 16QAM

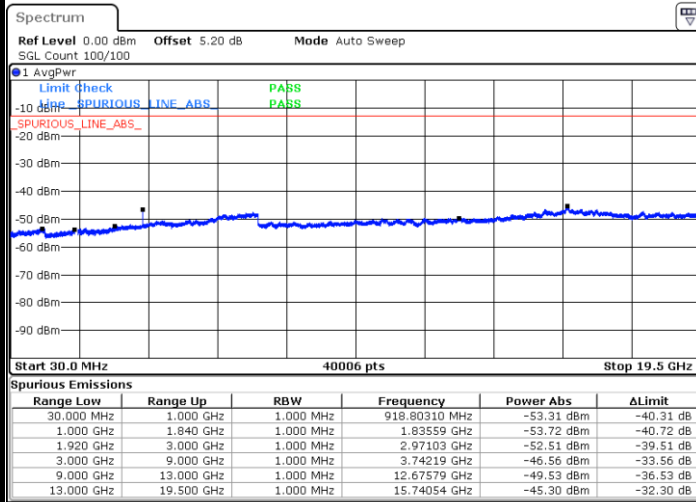


Date: 15.DEC.2020 20:57:55



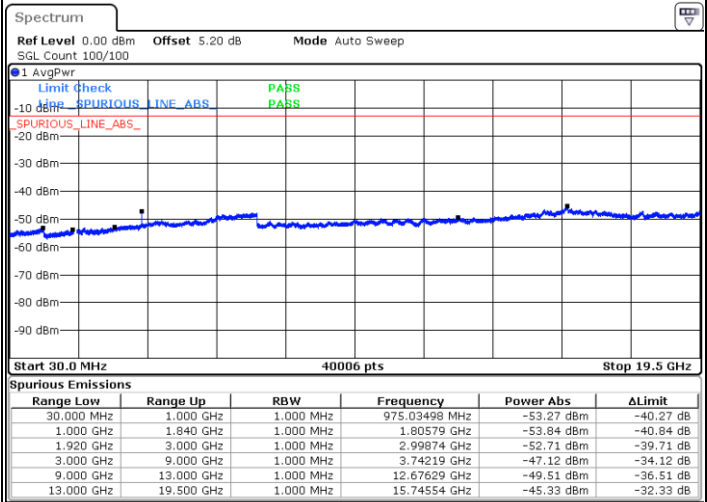
LTE Band 2 / 20MHz

Middle Channel / QPSK



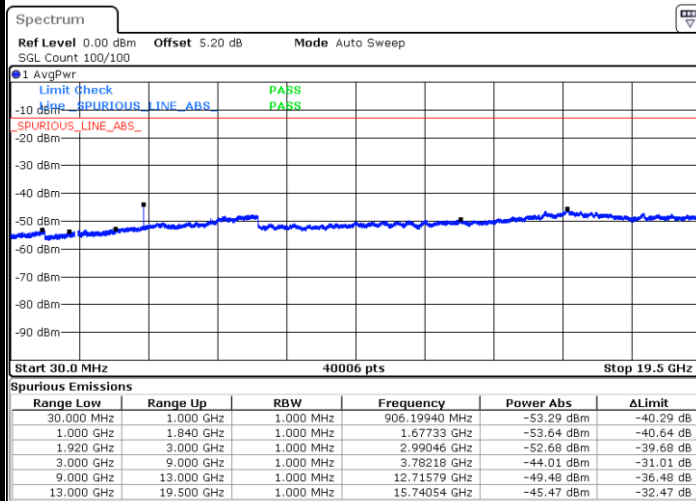
Date: 15.DEC.2020 20:59:31

Middle Channel / 16QAM



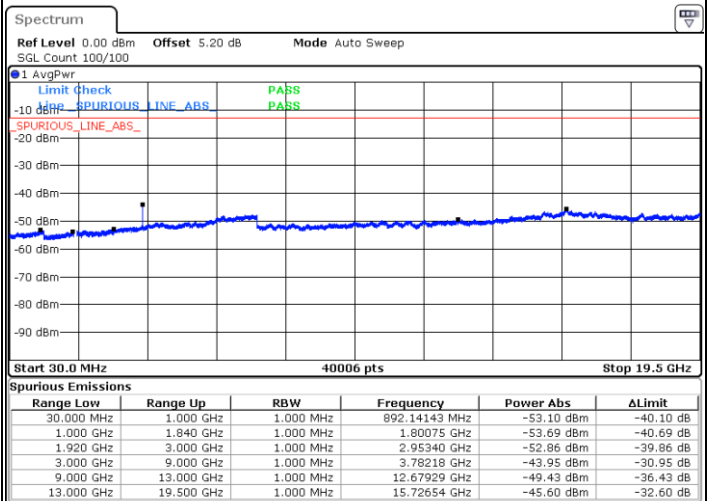
Date: 15.DEC.2020 21:00:27

Highest Channel / QPSK



Date: 15.DEC.2020 21:05:53

Highest Channel / 16QAM

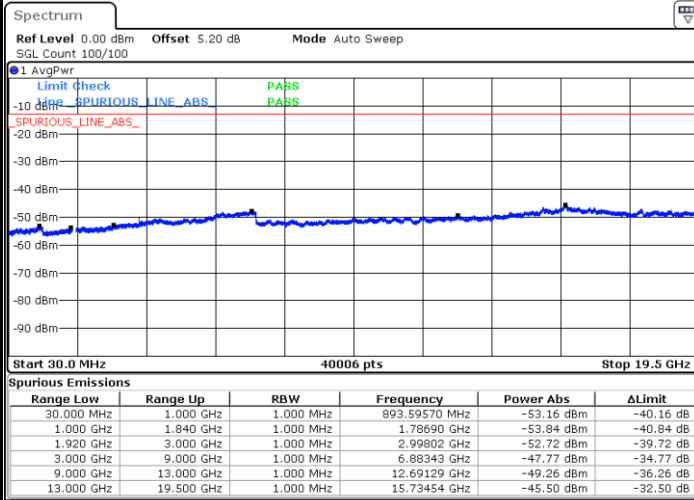


Date: 15.DEC.2020 21:06:49



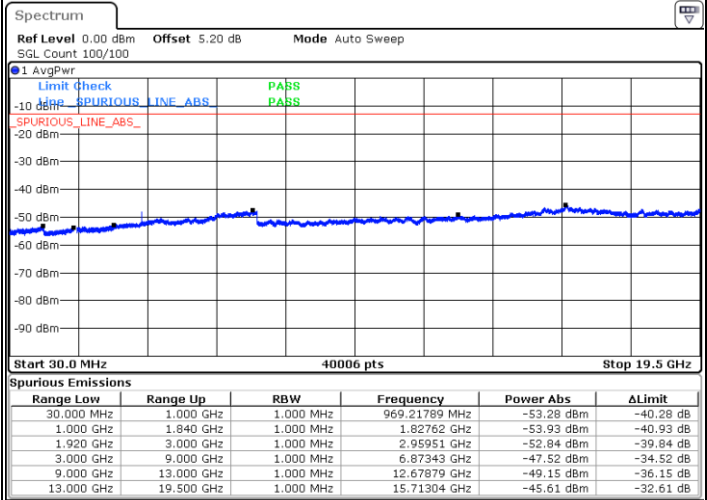
LTE Band 2 / 1.4MHz

Lowest Channel / 64QAM



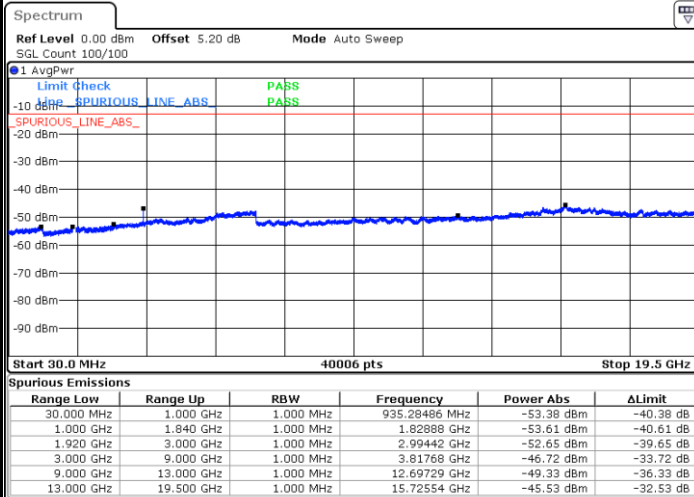
Date: 15.DEC.2020 22:30:14

Middle Channel / 64QAM



Date: 15.DEC.2020 22:31:32

Highest Channel / 64QAM

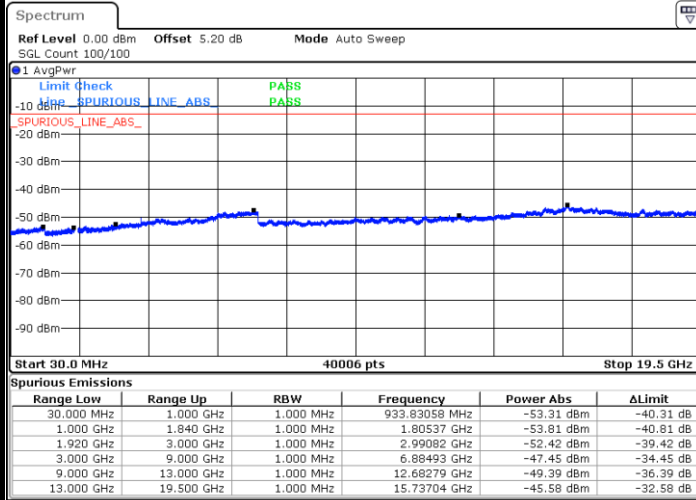


Date: 15.DEC.2020 22:32:20



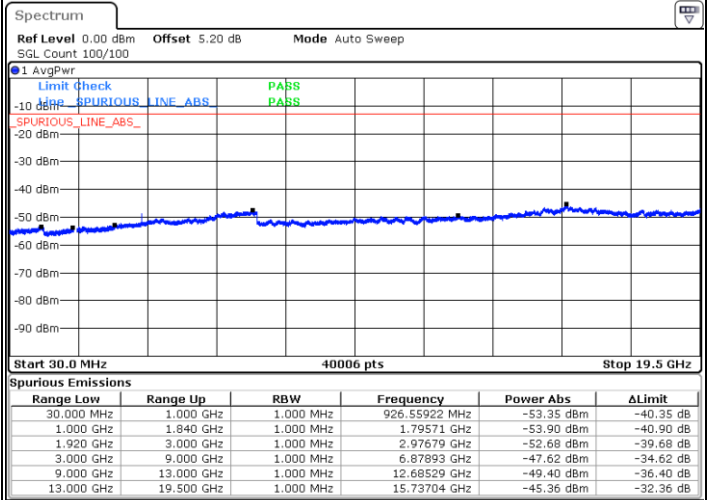
LTE Band 2 / 3MHz

Lowest Channel / 64QAM



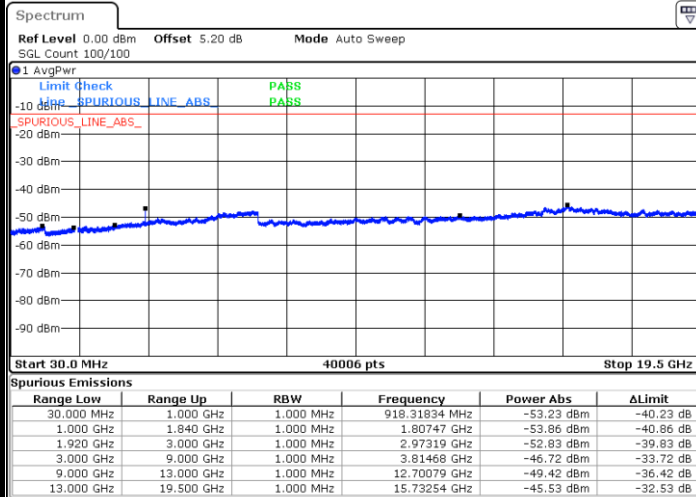
Date: 15.DEC.2020 21:18:04

Middle Channel / 64QAM



Date: 15.DEC.2020 21:18:56

Highest Channel / 64QAM

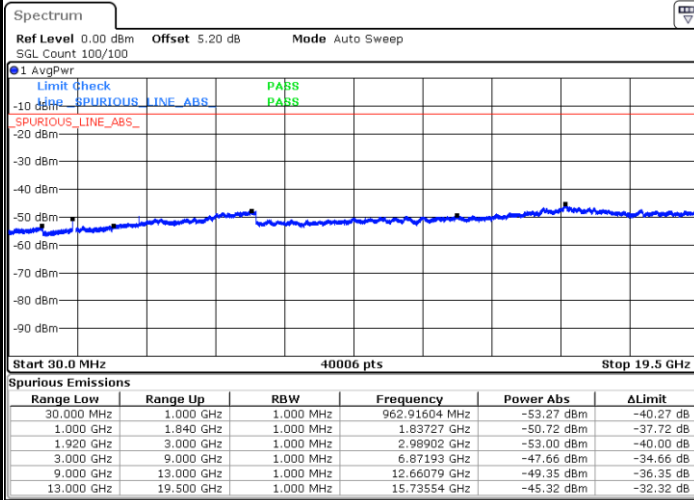


Date: 15.DEC.2020 21:19:43



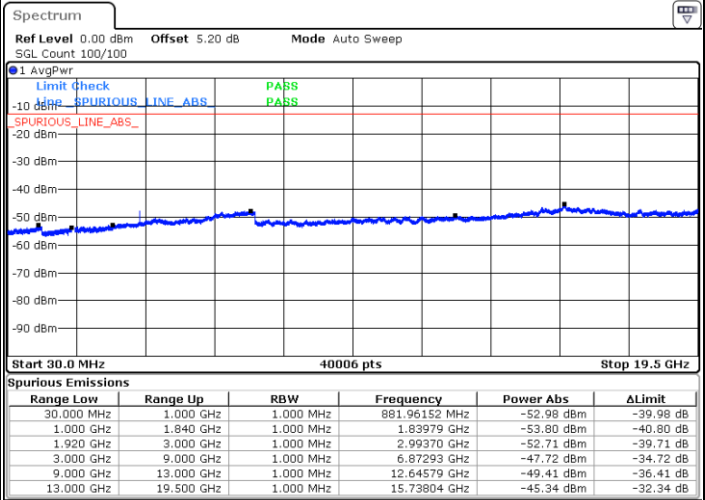
LTE Band 2 / 5MHz

Lowest Channel / 64QAM



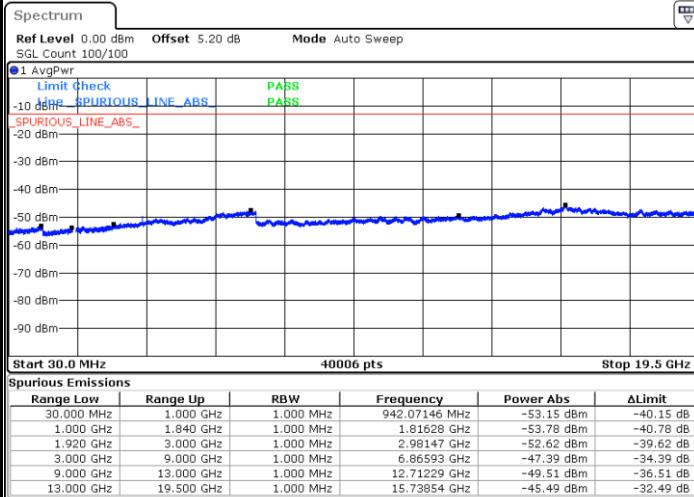
Date: 15.DEC.2020 21:24:10

Middle Channel / 64QAM



Date: 15.DEC.2020 21:23:24

Highest Channel / 64QAM

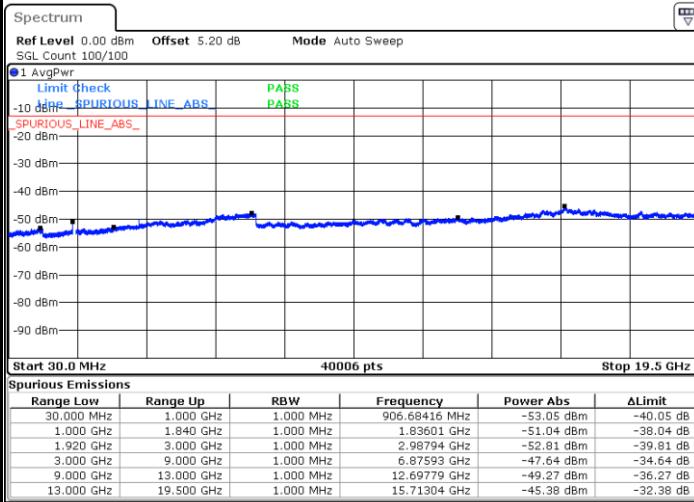


Date: 15.DEC.2020 21:22:37



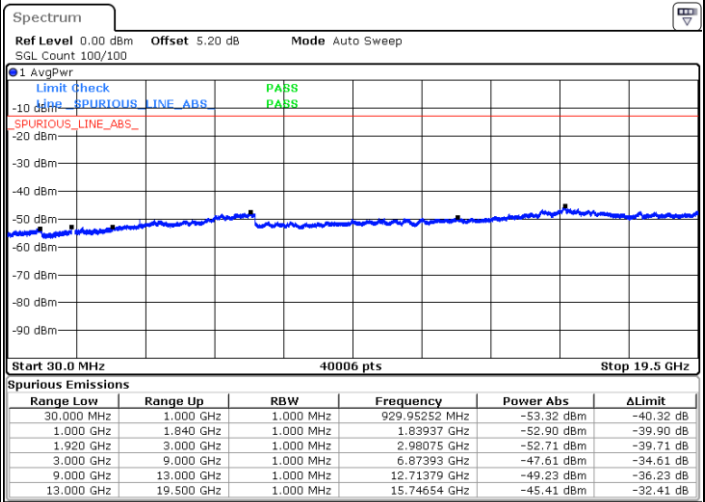
LTE Band 2 / 10MHz

Lowest Channel / 64QAM



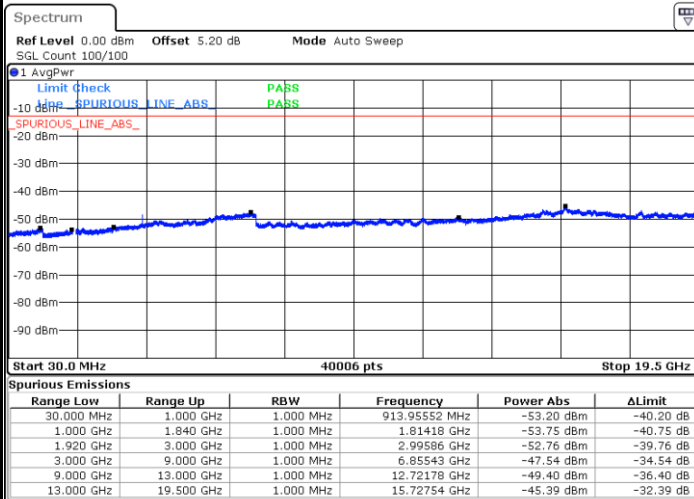
Date: 15.DEC.2020 21:25:29

Middle Channel / 64QAM



Date: 15.DEC.2020 21:26:19

Highest Channel / 64QAM

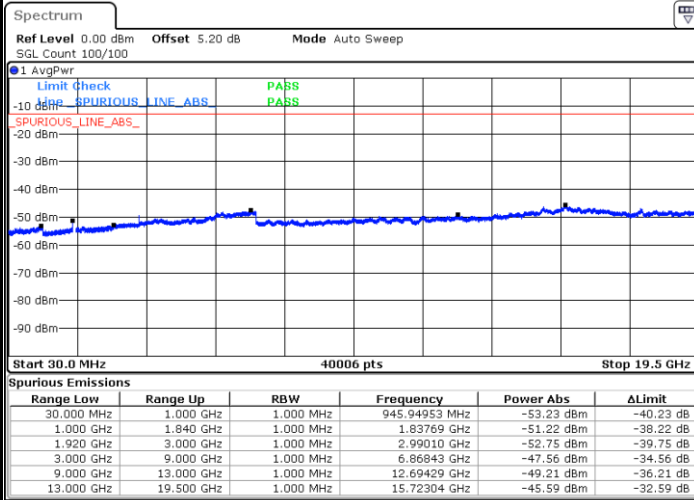


Date: 15.DEC.2020 21:27:07



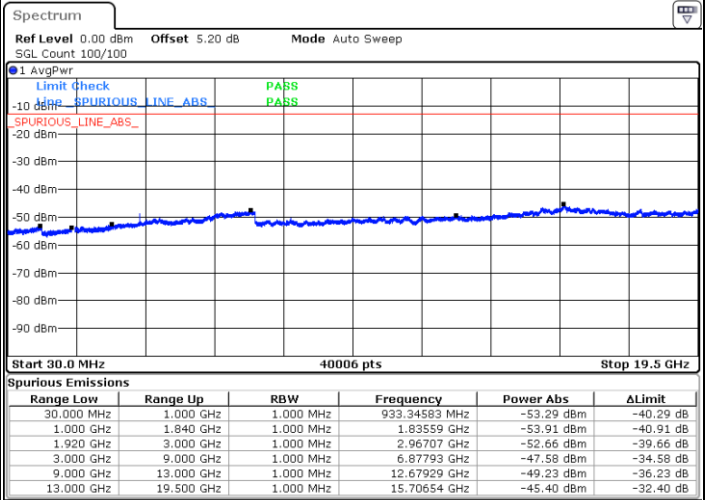
LTE Band 2 / 15MHz

Lowest Channel / 64QAM



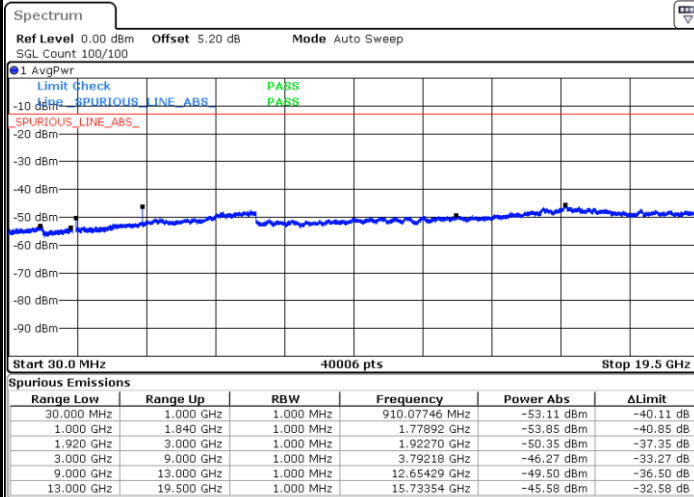
Date: 15.DEC.2020 21:29:33

Middle Channel / 64QAM



Date: 15.DEC.2020 21:30:30

Highest Channel / 64QAM

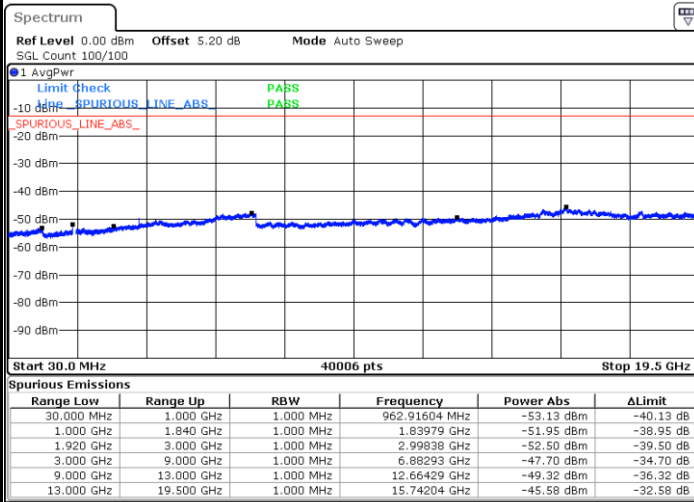


Date: 15.DEC.2020 21:31:26



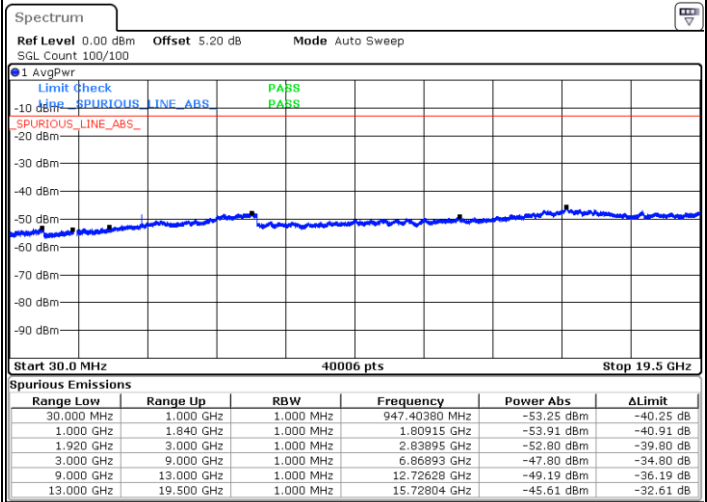
LTE Band 2 / 20MHz

Lowest Channel / 64QAM



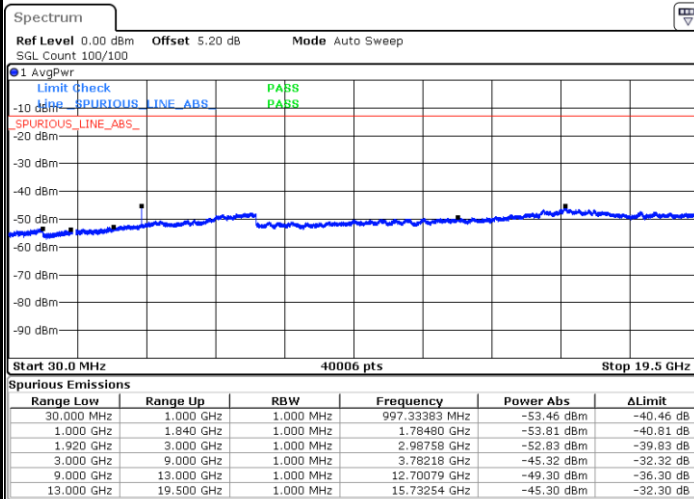
Date: 15.DEC.2020 21:33:43

Middle Channel / 64QAM



Date: 15.DEC.2020 21:34:29

Highest Channel / 64QAM



Date: 15.DEC.2020 21:36:03

**Frequency Stability**

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0005	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0026	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0026	
-20	Normal Voltage	0.0034	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0017	
20	Battery End Point	0.0032	

Note:

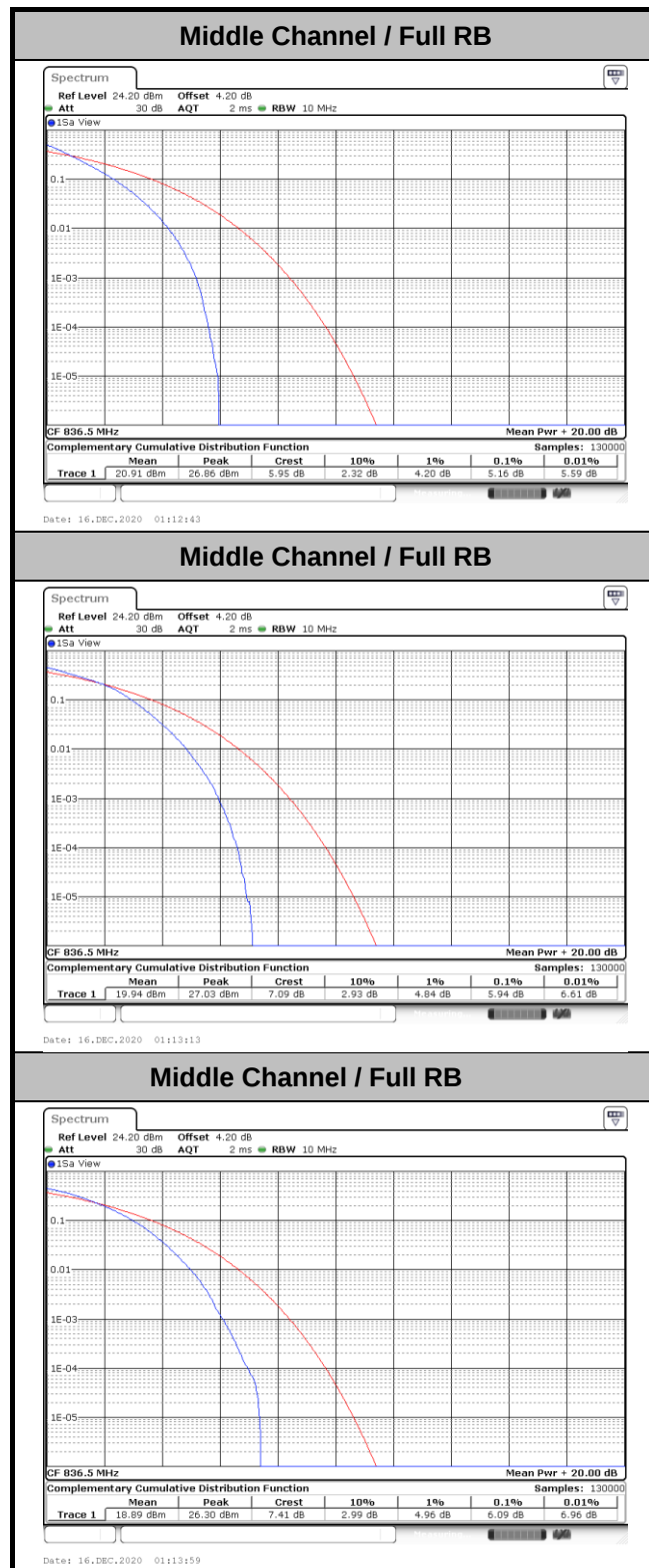
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5V. ; Maximum Voltage =4.4V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 5

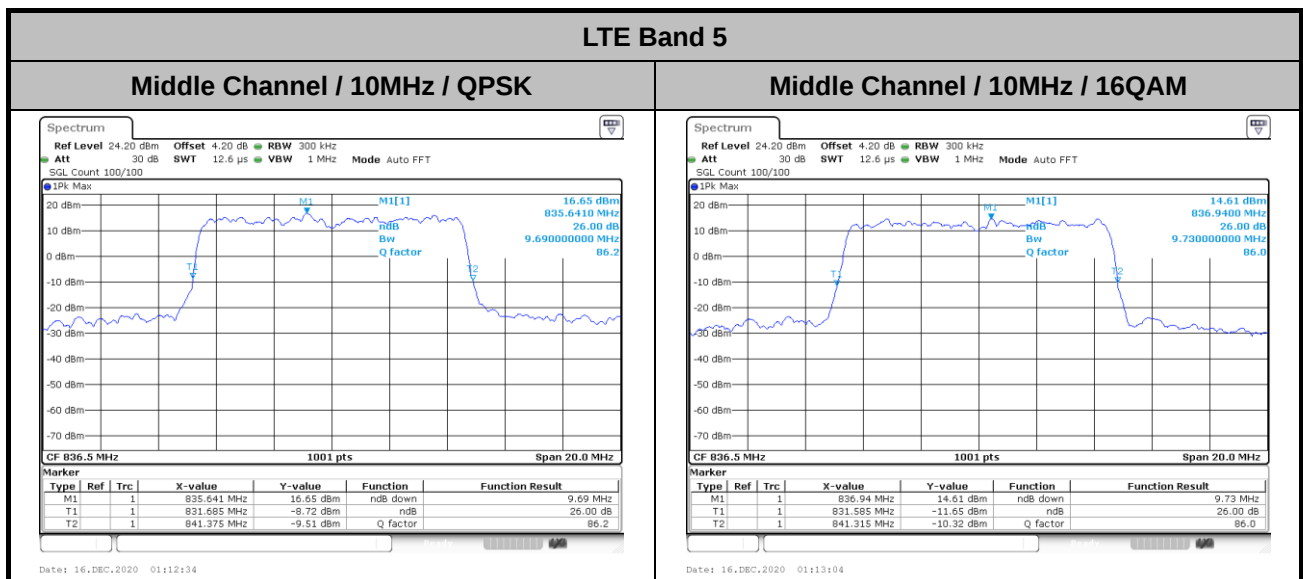
Peak-to-Average Ratio

Mode	LTE Band 5 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size		Full RB		Full RB	Result
Lowest CH					PASS
Middle CH		5.16		5.94	
Highest CH					
Mode	LTE Band 5 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size		Full RB			Result
Lowest CH			-	-	PASS
Middle CH		6.09	-	-	
Highest CH			-	-	



**26dB Bandwidth**

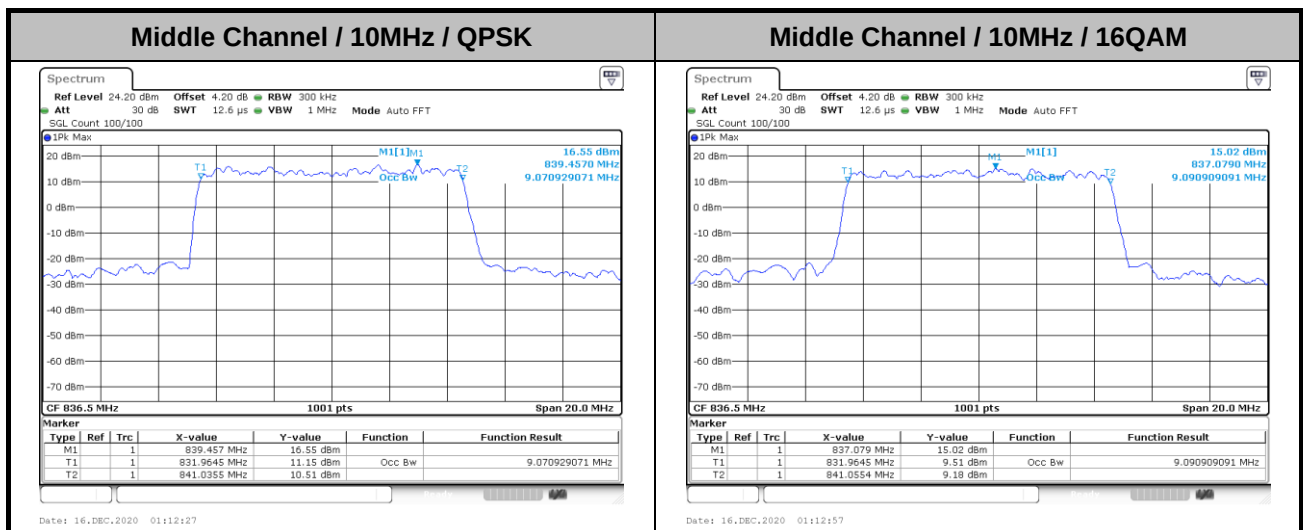
Mode	LTE Band 5 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.69	9.73





Occupied Bandwidth

Mode	LTE Band 5 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.07	9.09

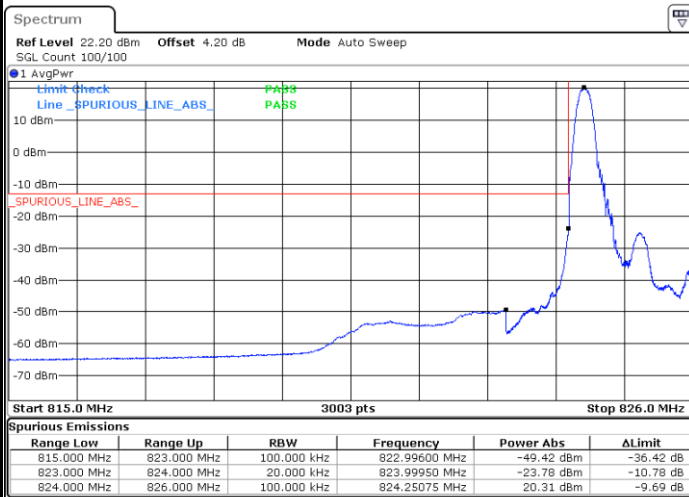




Conducted Band Edge

LTE Band 5 / 1.4MHz / QPSK

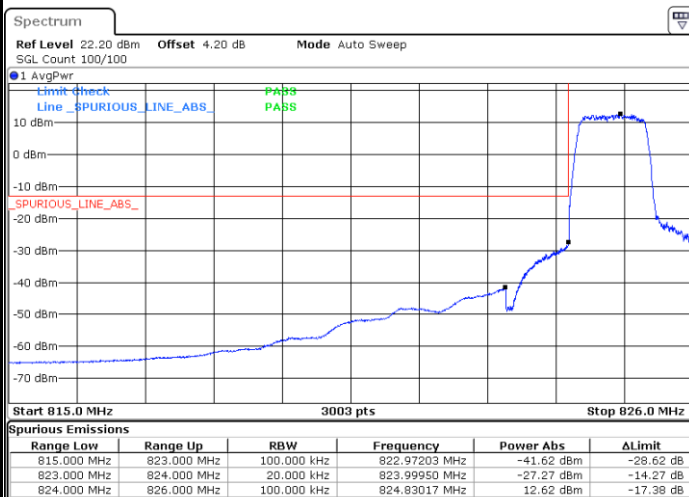
Lowest Band Edge / 1RB



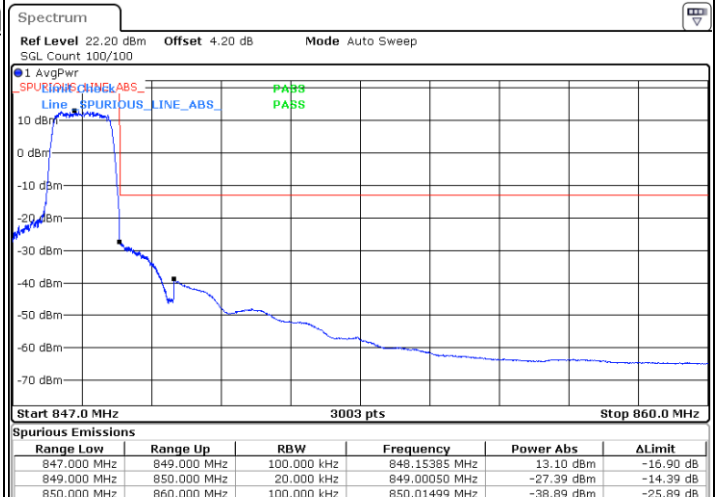
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



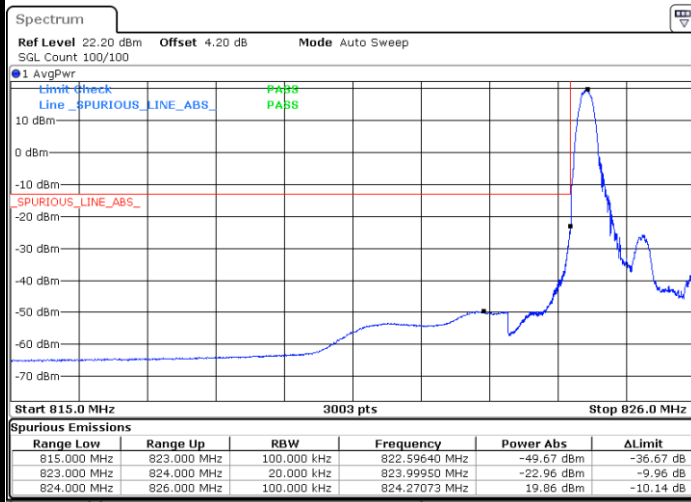
Highest Band Edge / Full RB



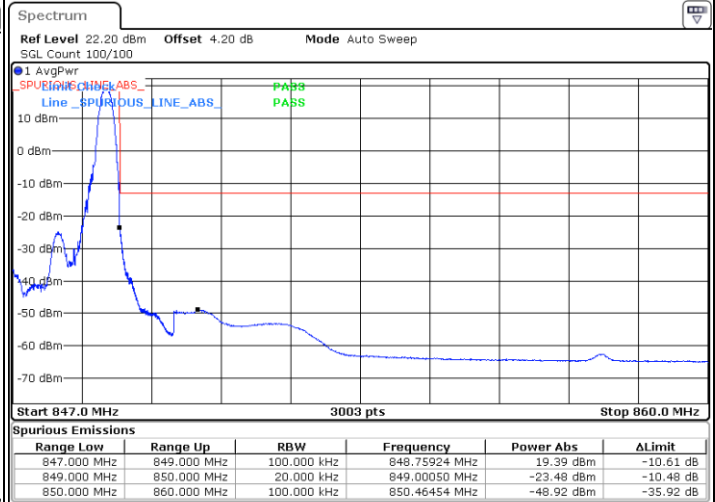


LTE Band 5 / 1.4MHz / 16QAM

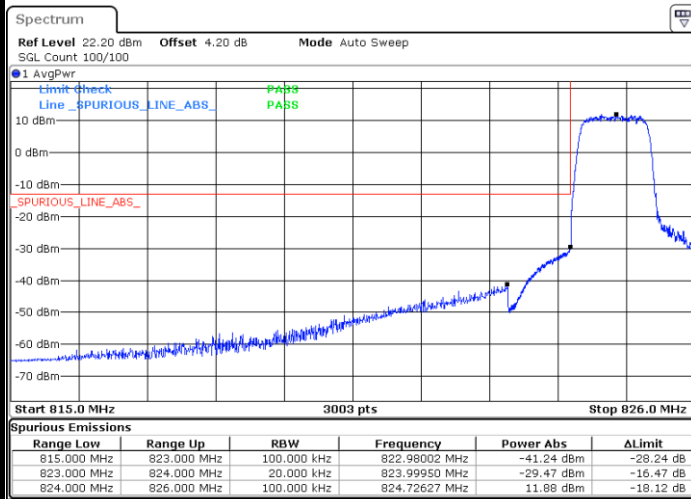
Lowest Band Edge / 1 RB



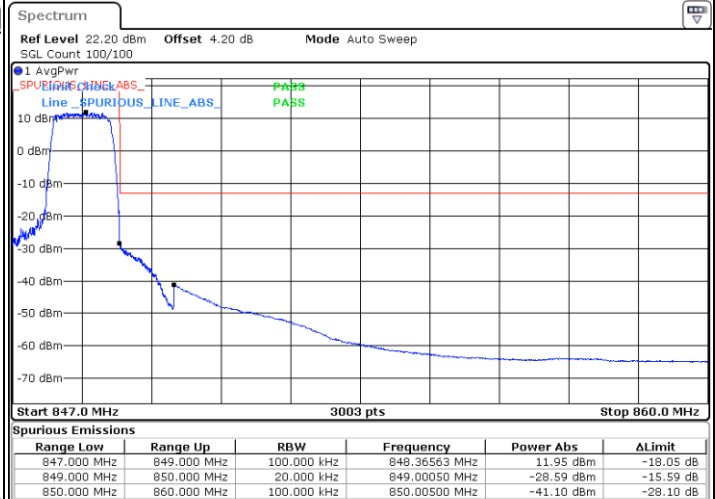
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



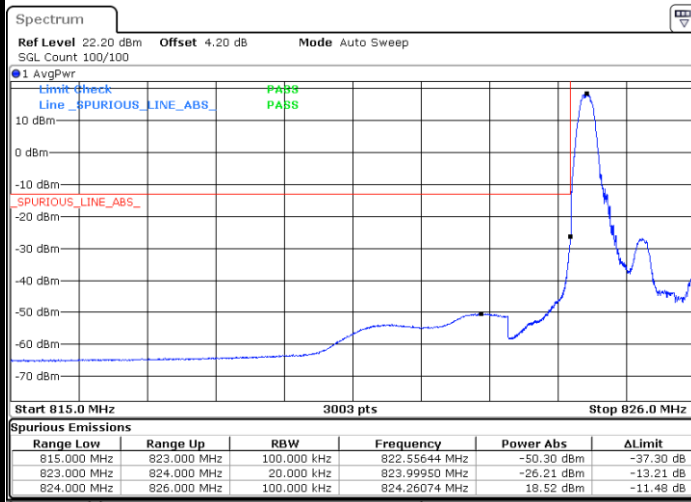
Highest Band Edge / Full RB



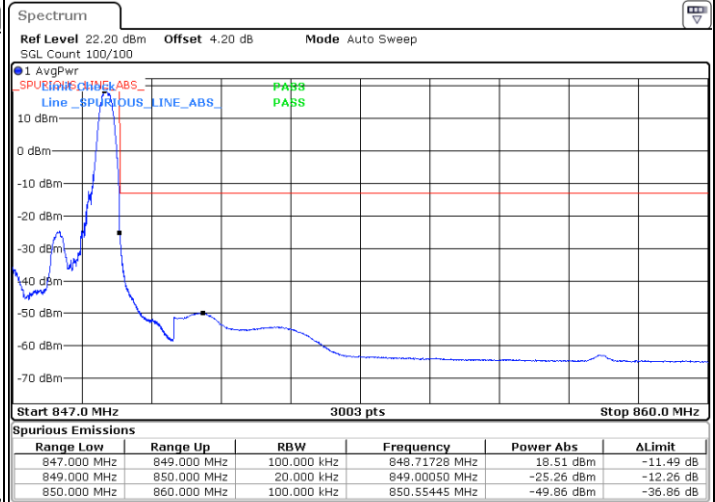


LTE Band 5 / 1.4MHz / 64QAM

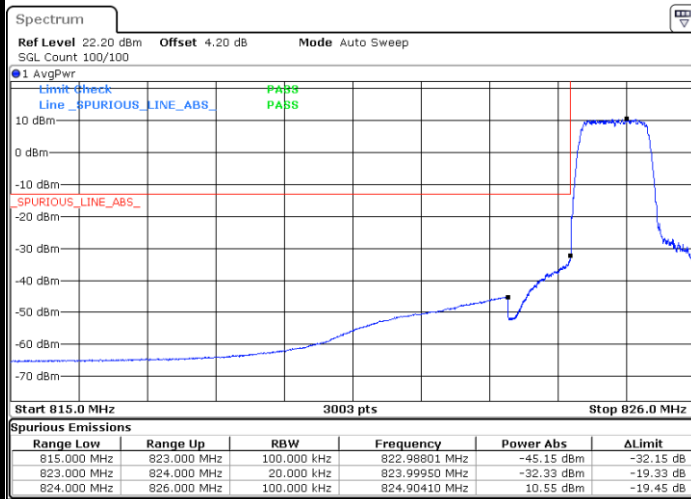
Lowest Band Edge / 1 RB



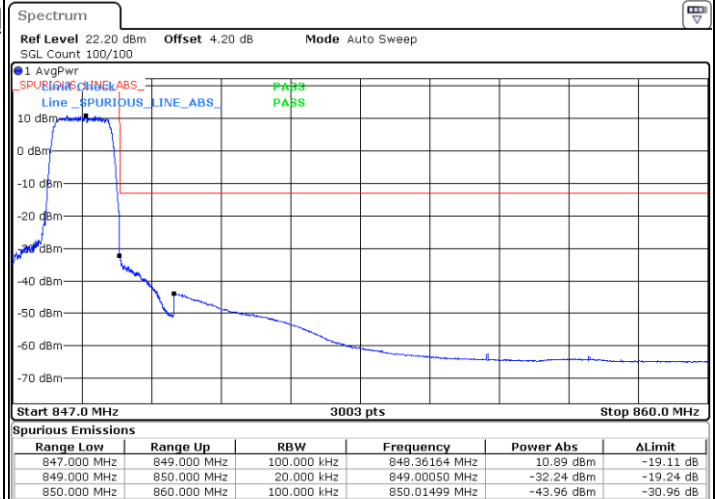
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



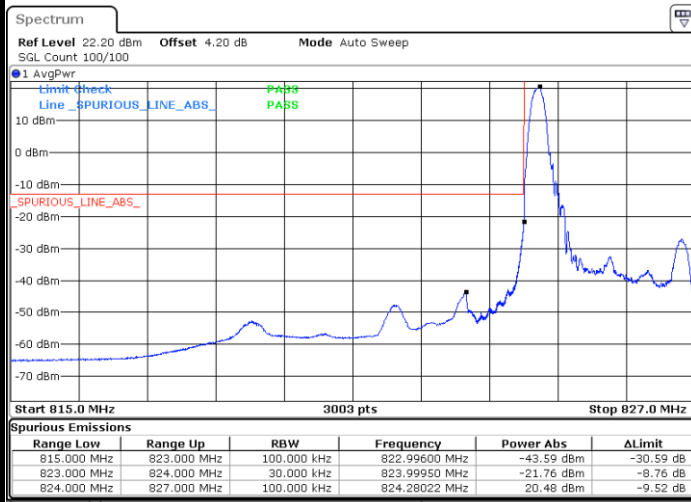
Highest Band Edge / Full RB



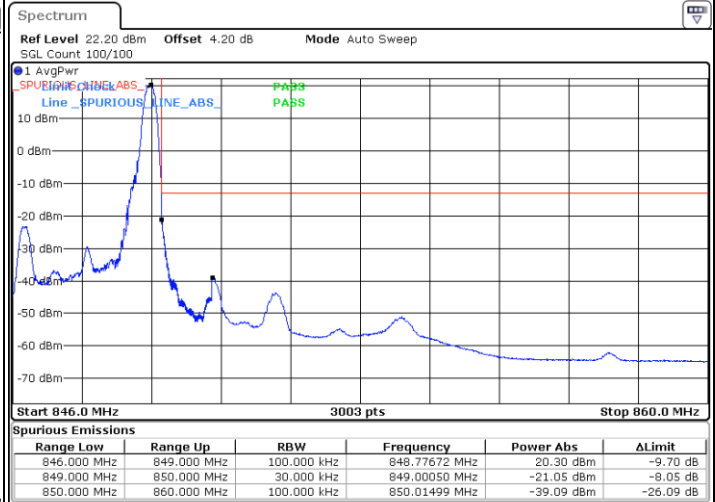


LTE Band 5 / 3MHz / QPSK

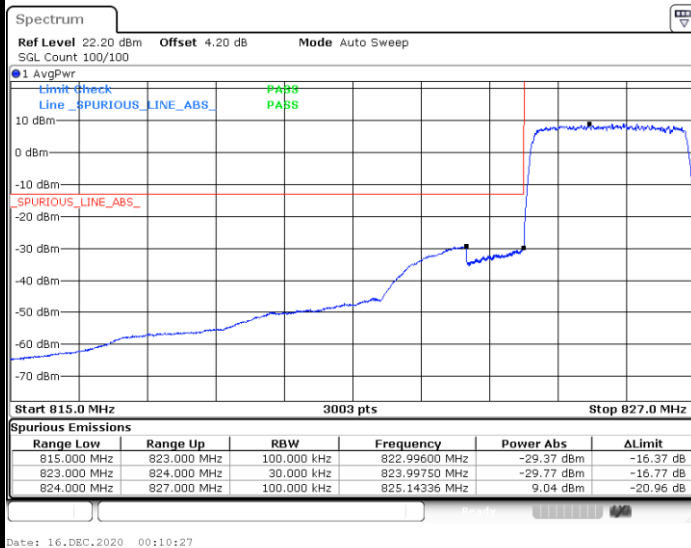
Lowest Band Edge / 1RB



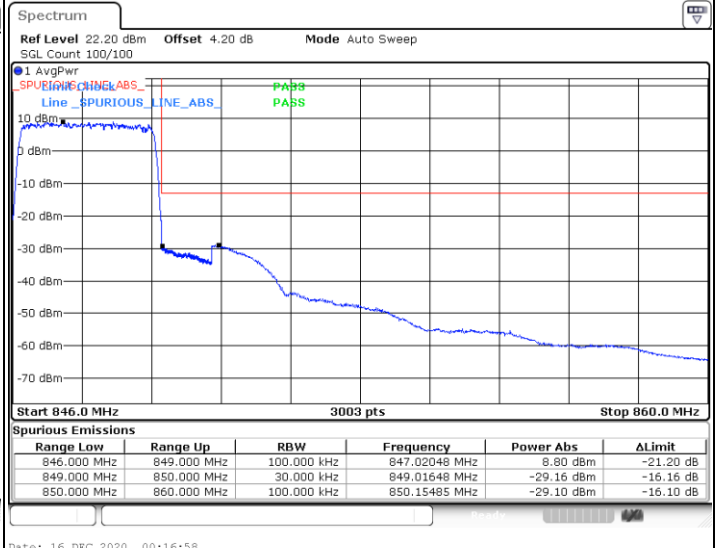
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



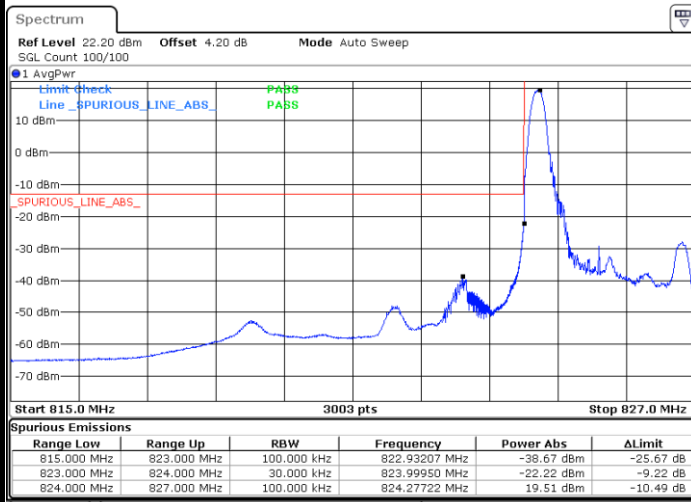
Highest Band Edge / Full RB





LTE Band 5 / 3MHz / 16QAM

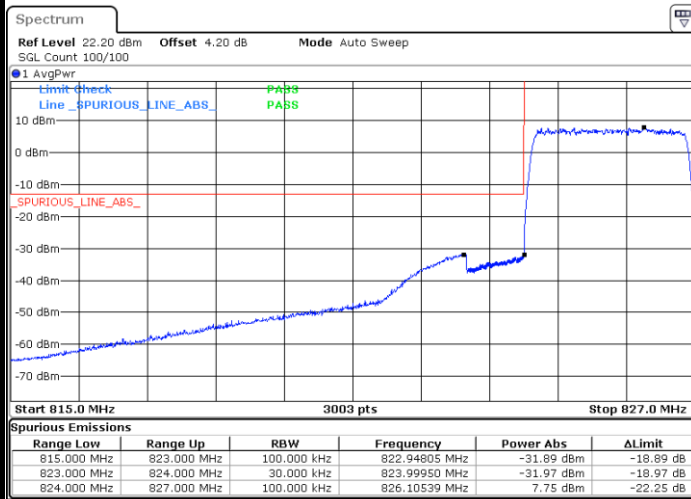
Lowest Band Edge / 1 RB



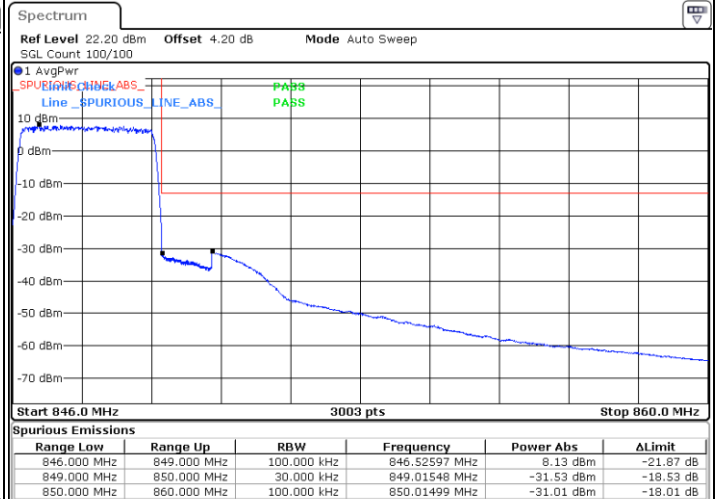
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



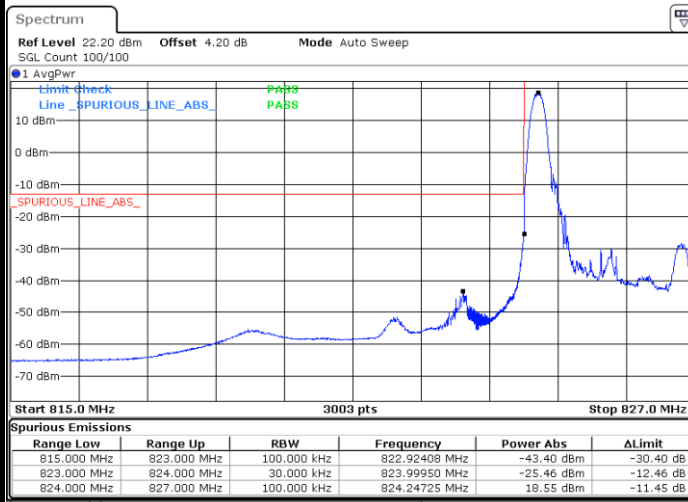
Highest Band Edge / Full RB



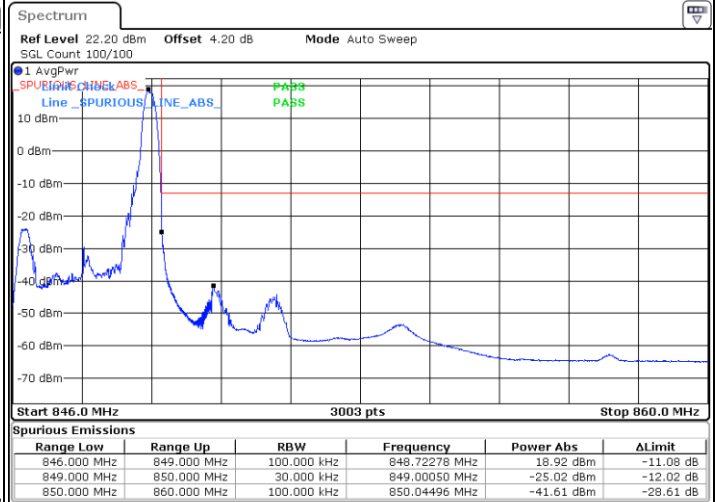


LTE Band 5 / 3MHz / 64QAM

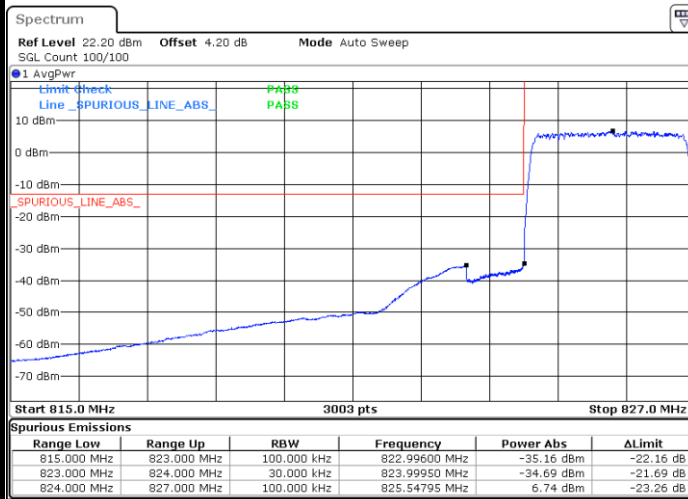
Lowest Band Edge / 1 RB



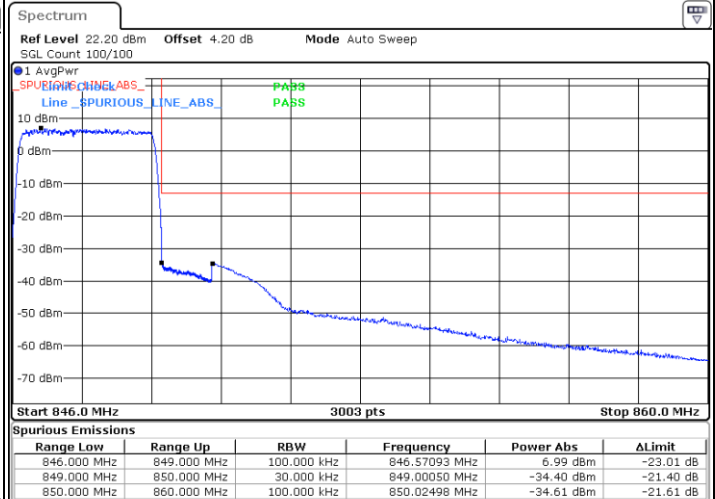
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



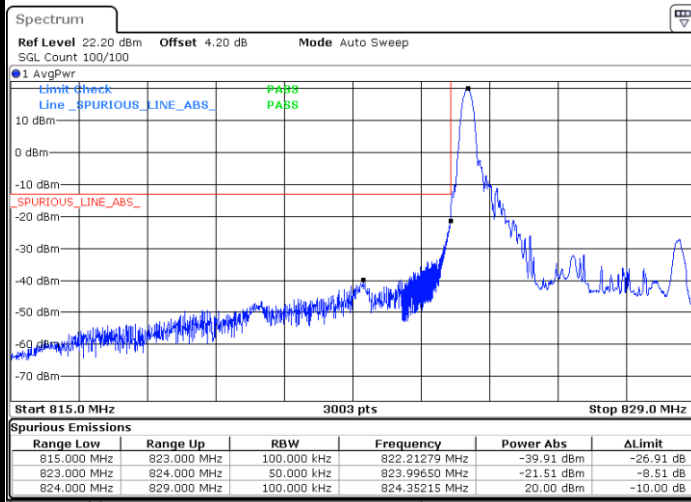
Highest Band Edge / Full RB





LTE Band 5 / 5MHz / QPSK

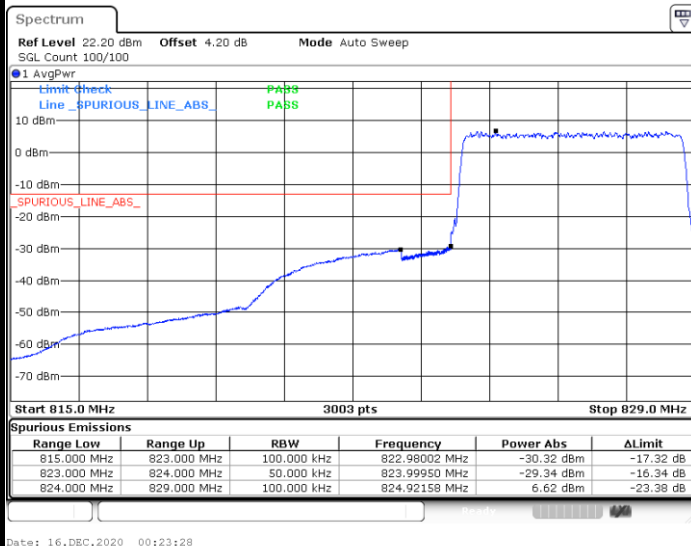
Lowest Band Edge / 1 RB



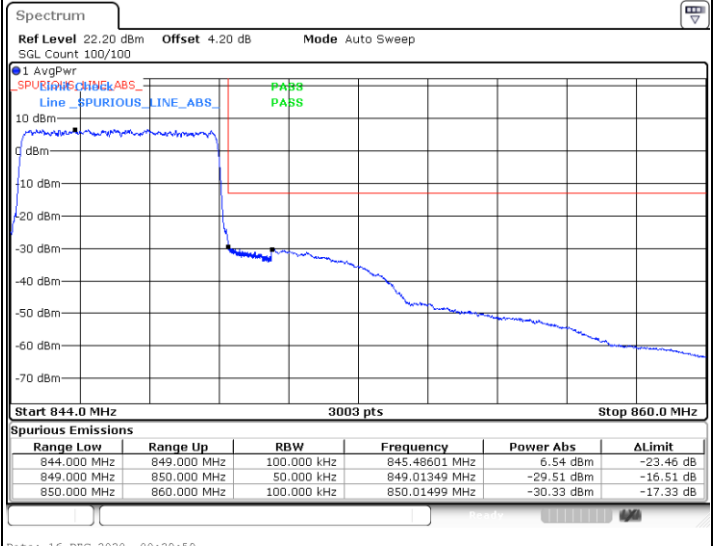
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



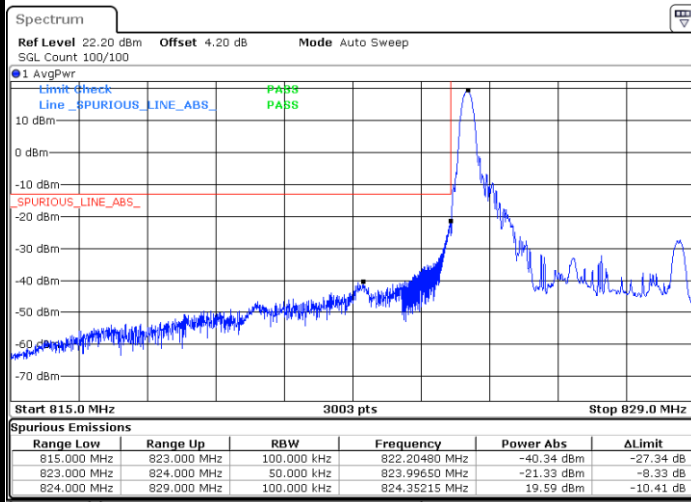
Highest Band Edge / Full RB





LTE Band 5 / 5MHz / 16QAM

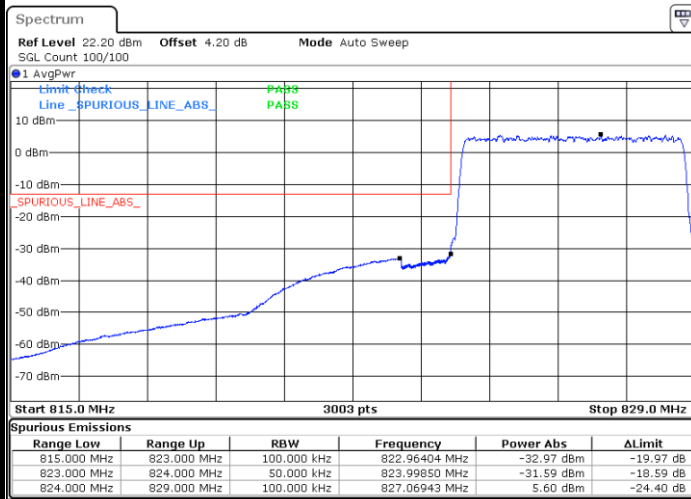
Lowest Band Edge / 1RB



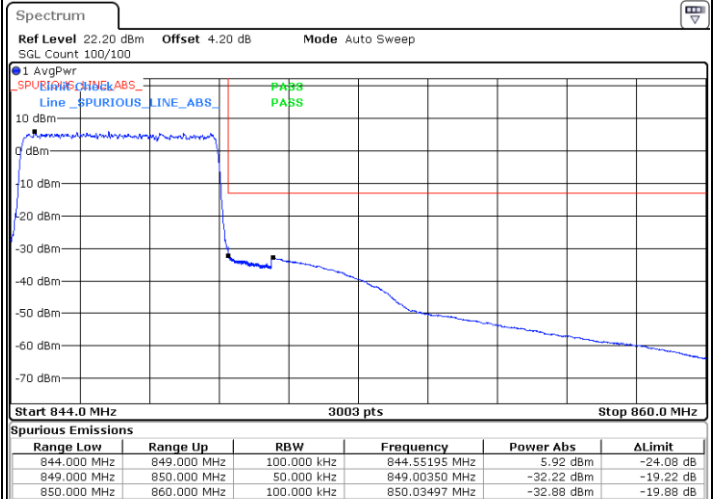
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



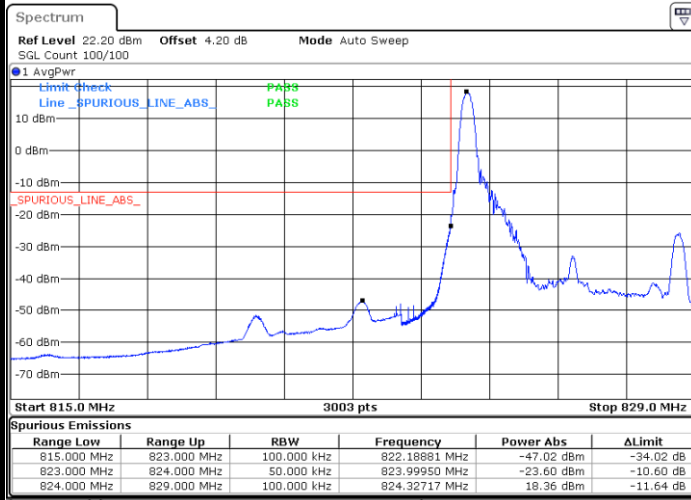
Highest Band Edge / Full RB





LTE Band 5 / 5MHz / 64QAM

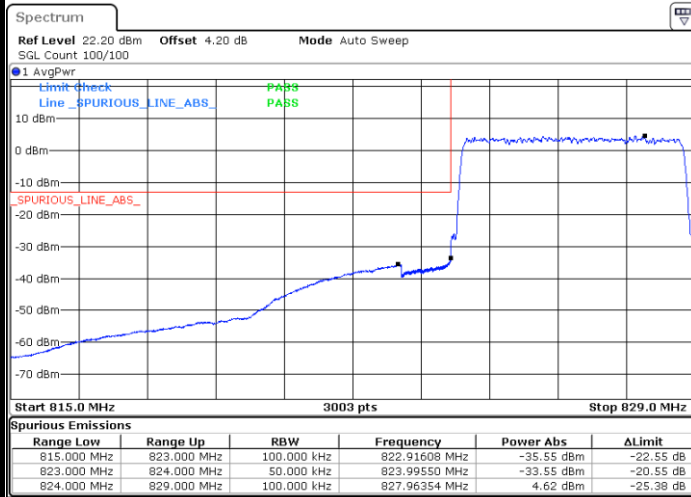
Lowest Band Edge / 1RB



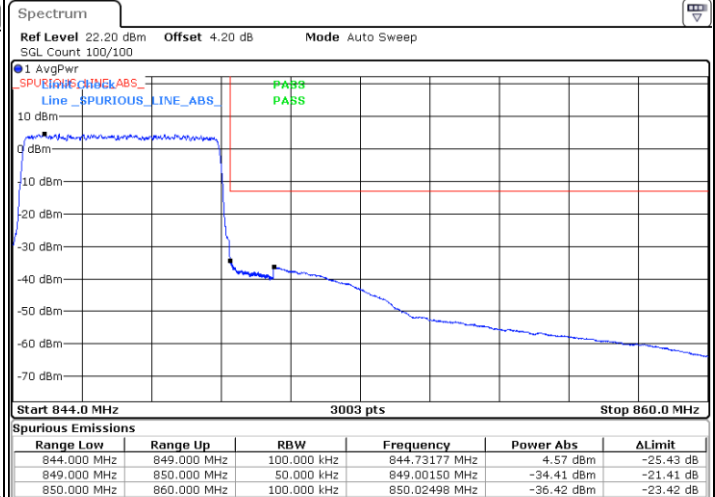
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



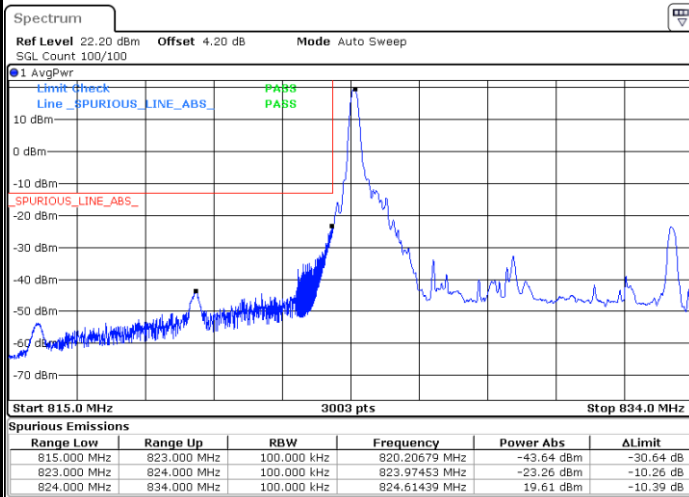
Highest Band Edge / Full RB



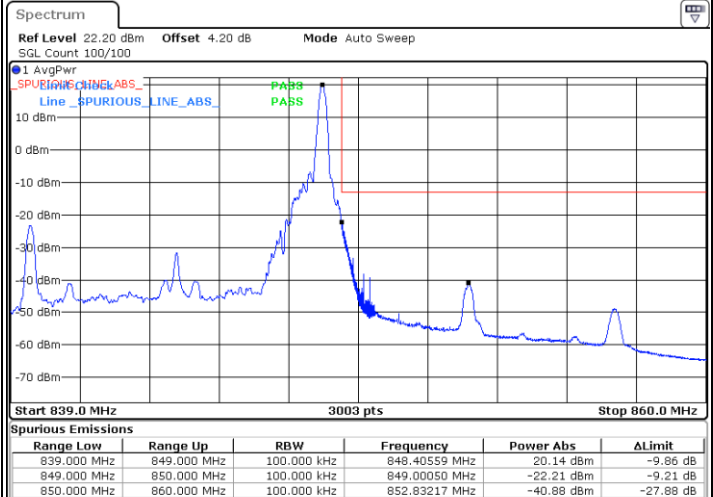


LTE Band 5 / 10MHz / QPSK

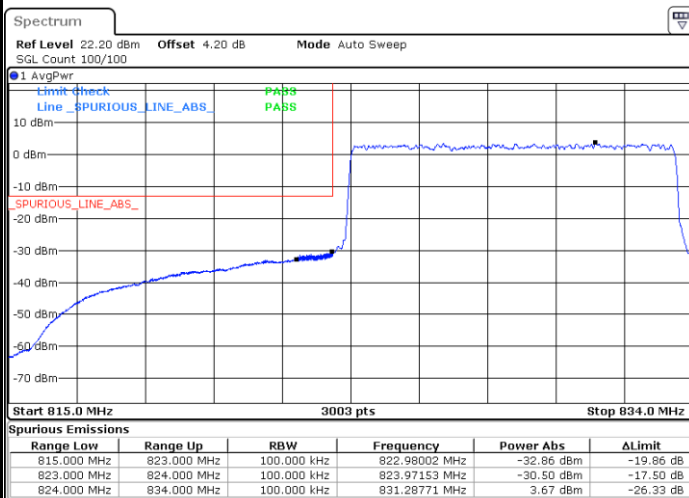
Lowest Band Edge / 1 RB



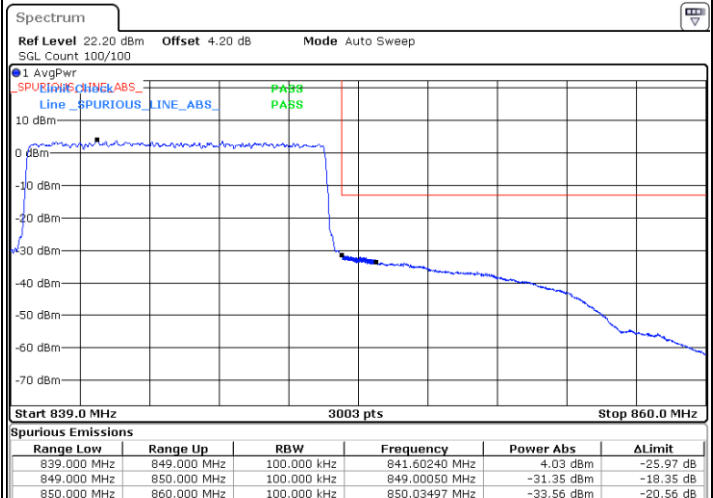
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



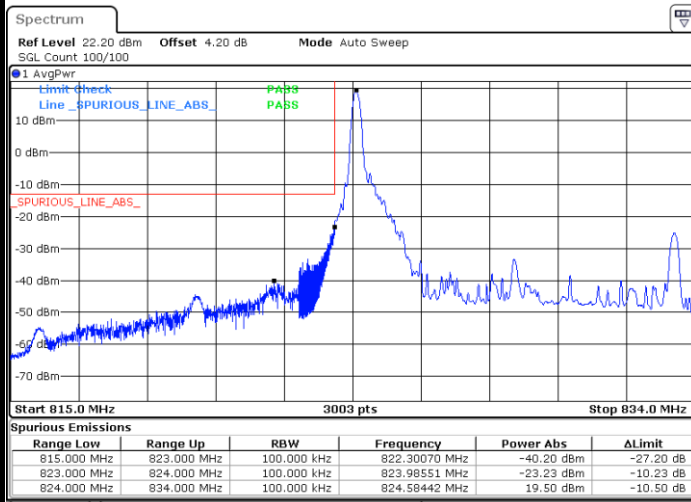
Highest Band Edge / Full RB



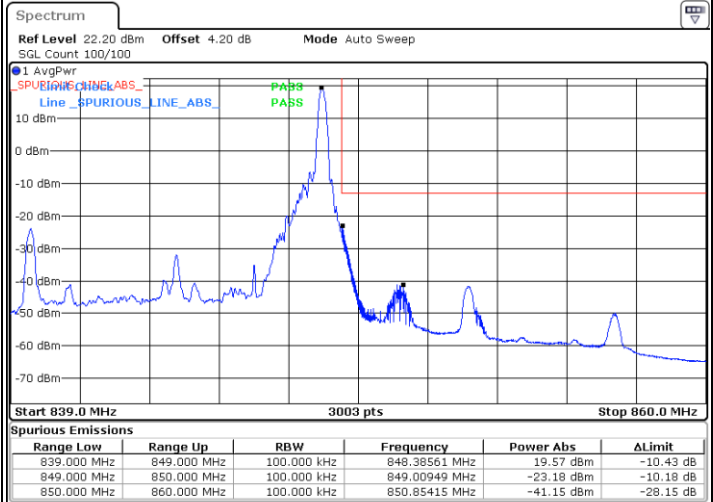


LTE Band 5 / 10MHz / 16QAM

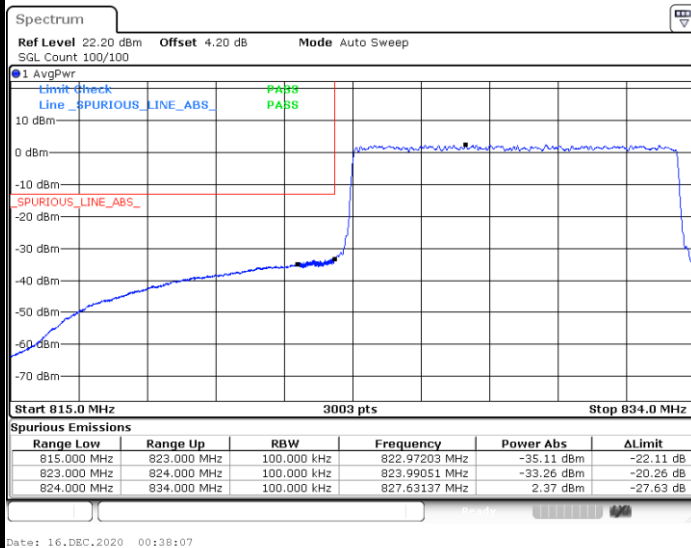
Lowest Band Edge / 1 RB



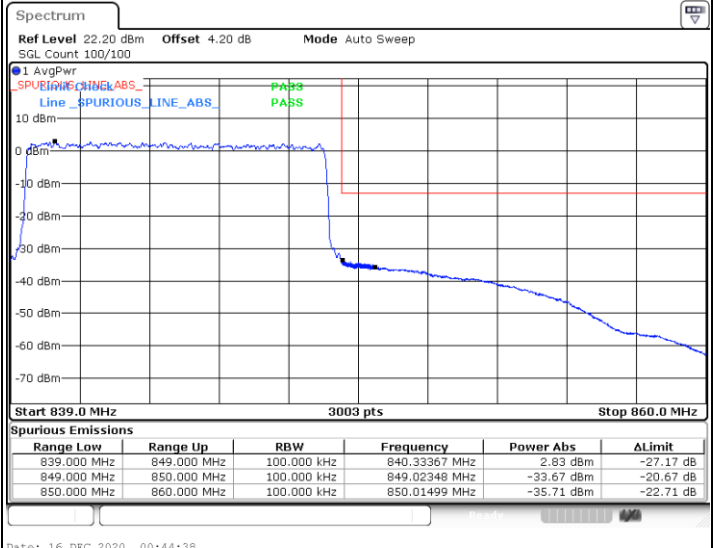
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



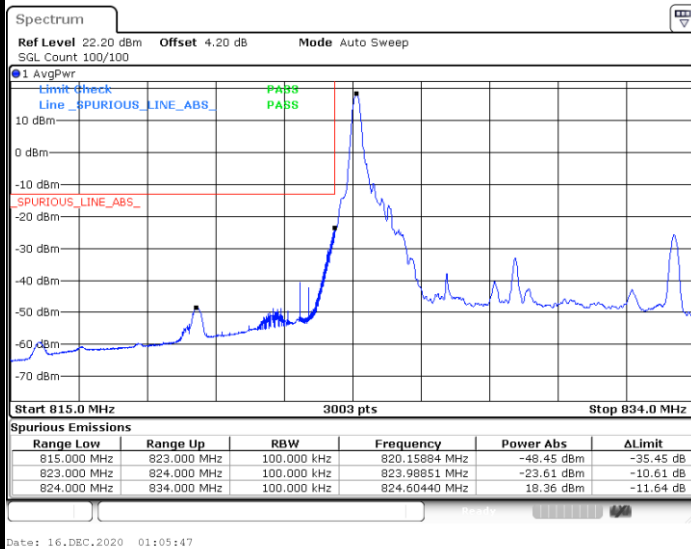
Highest Band Edge / Full RB



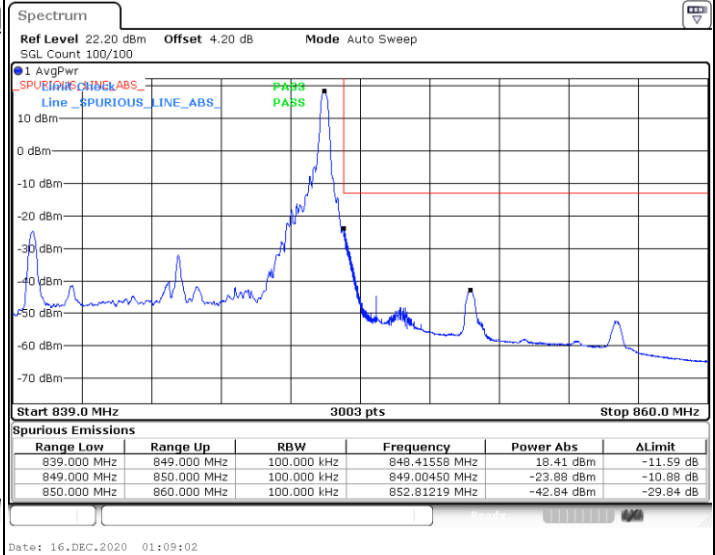


LTE Band 5 / 10MHz / 64QAM

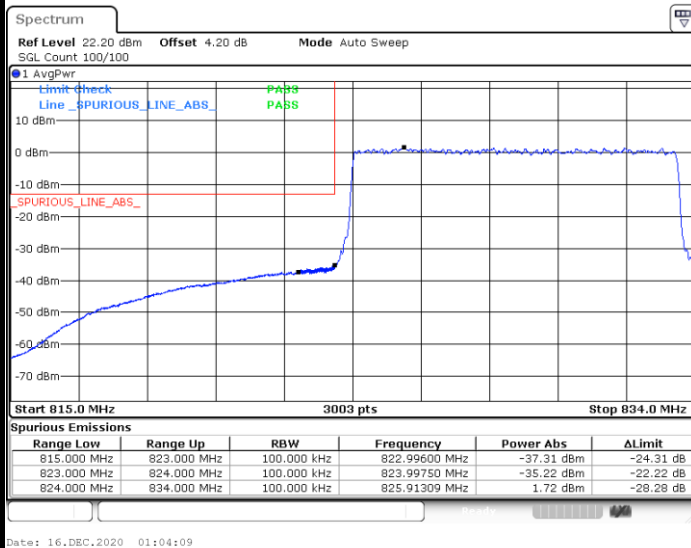
Lowest Band Edge / 1 RB



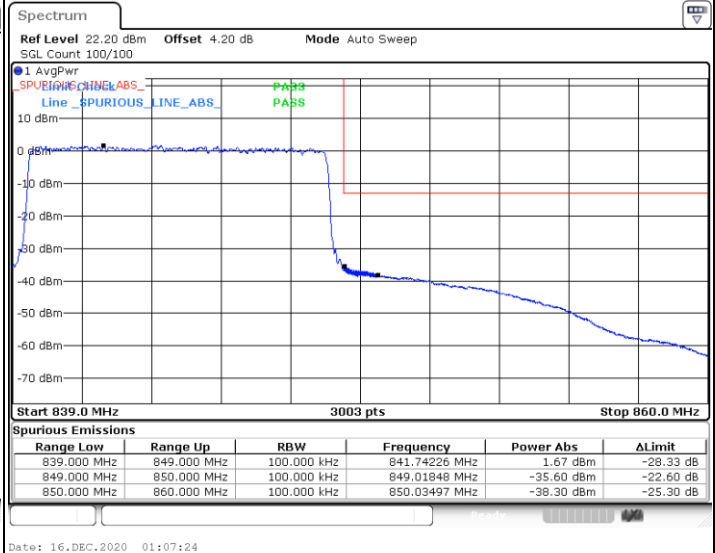
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

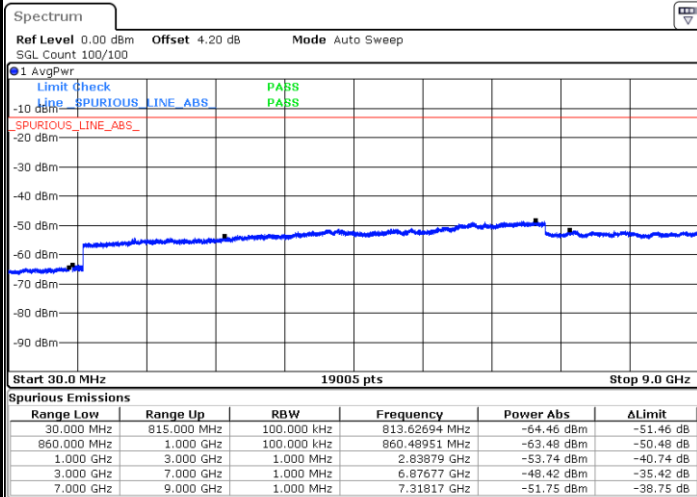




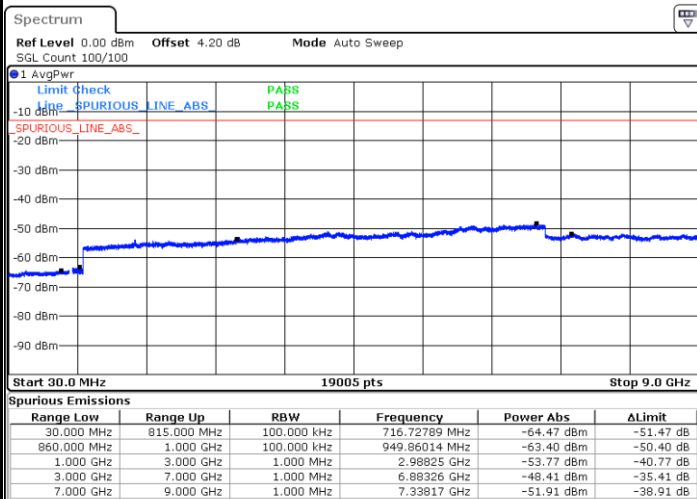
Conducted Spurious Emission

LTE Band 5 / 1.4MHz

Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

