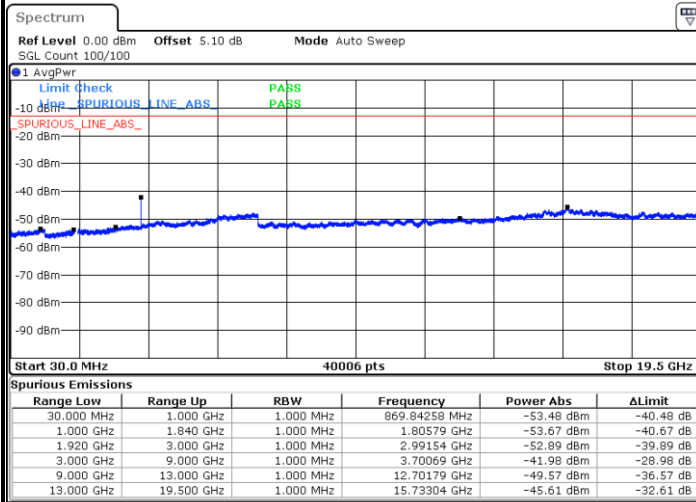




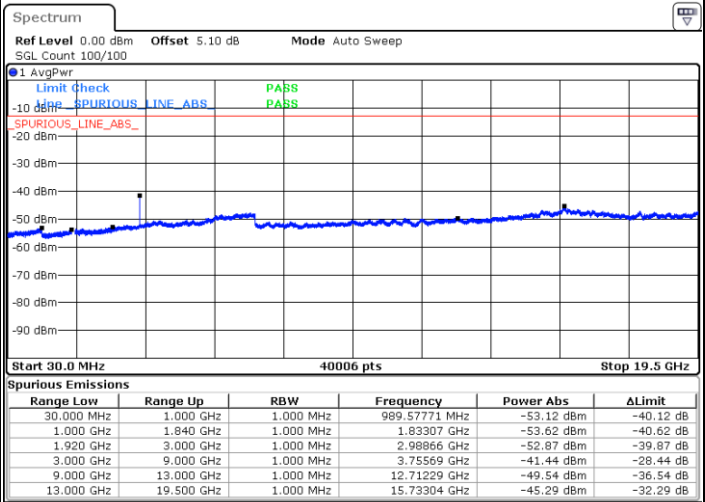
LTE Band 2 / 5MHz

Lowest Channel / QPSK



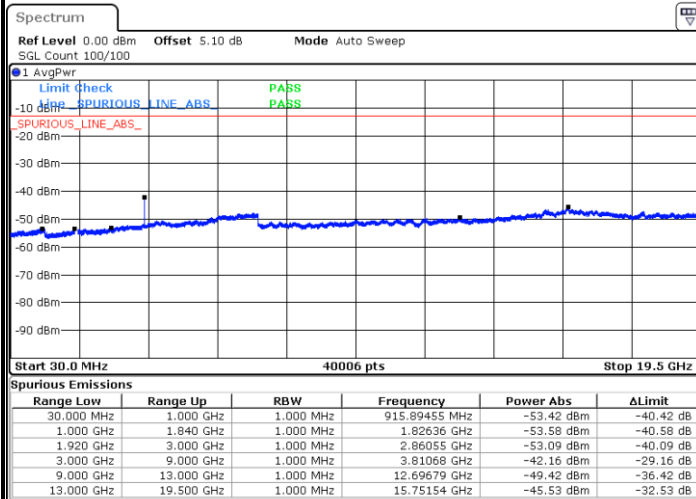
Date: 6.DEC.2020 00:19:12

Middle Channel / QPSK



Date: 6.DEC.2020 00:18:08

Highest Channel / QPSK

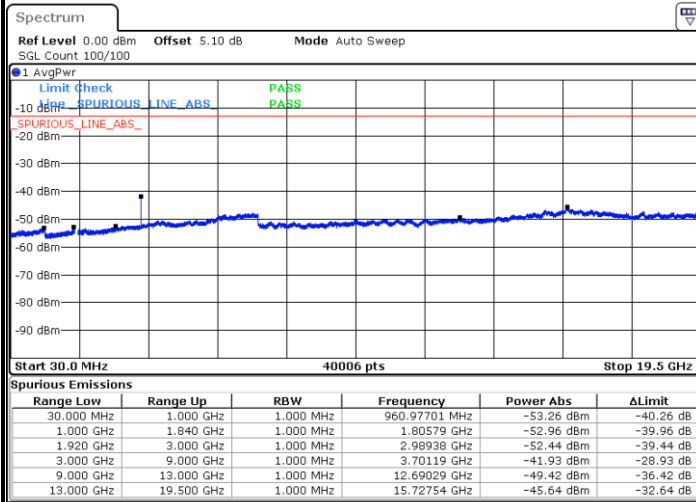


Date: 6.DEC.2020 00:22:03



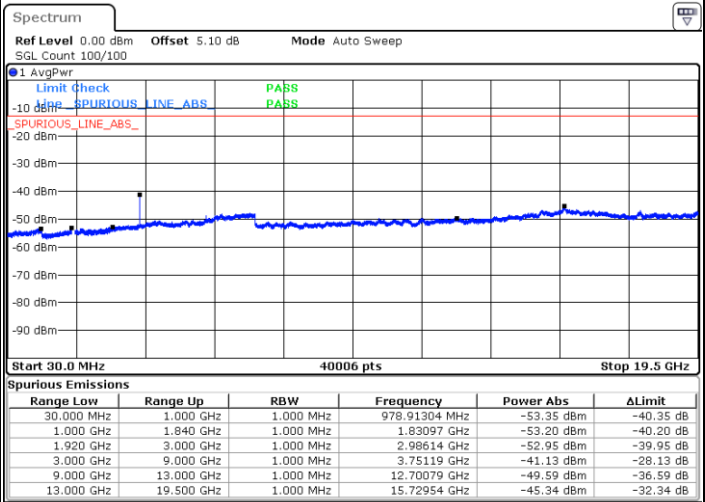
LTE Band 2 / 10MHz

Lowest Channel / QPSK



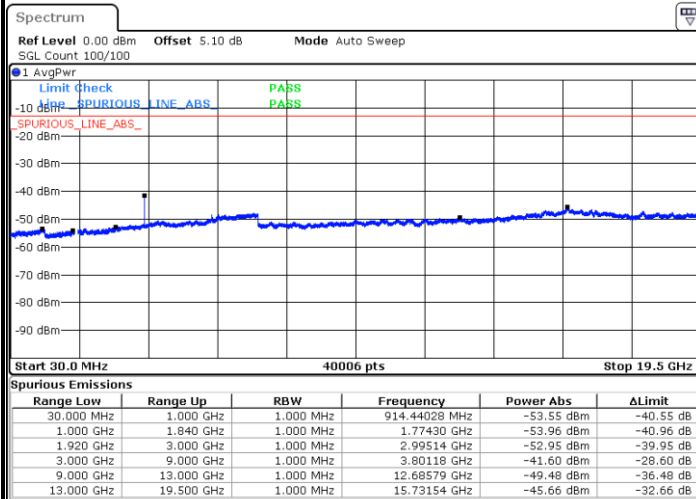
Date: 6.DEC.2020 00:13:30

Middle Channel / QPSK



Date: 6.DEC.2020 00:12:33

Highest Channel / QPSK

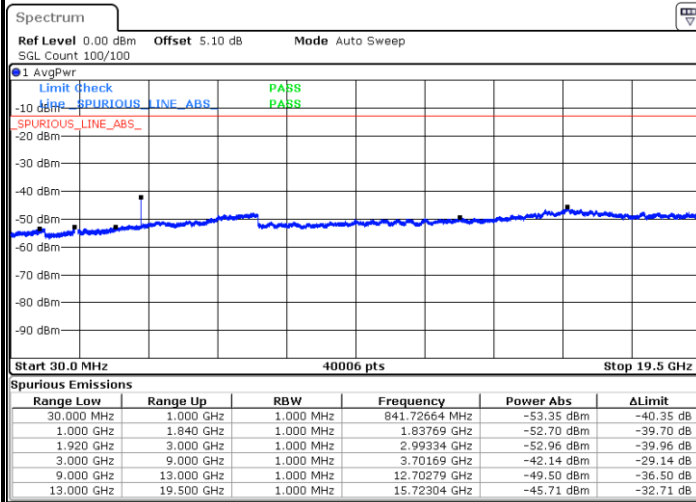


Date: 6.DEC.2020 00:15:46



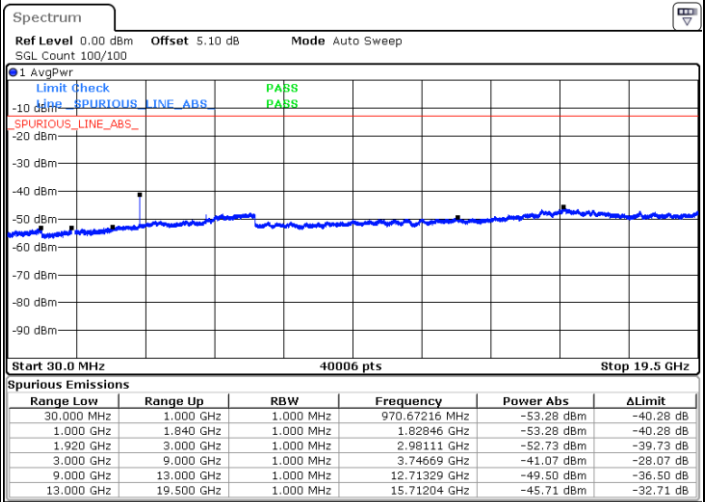
LTE Band 2 / 15MHz

Lowest Channel / QPSK



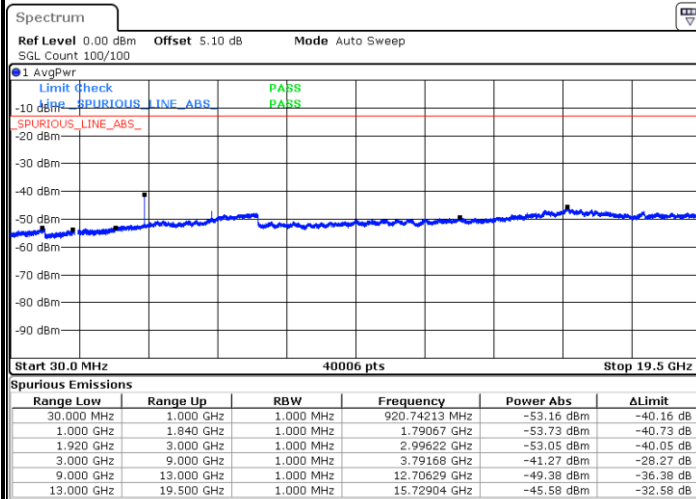
Date: 6.DEC.2020 00:06:06

Middle Channel / QPSK



Date: 6.DEC.2020 00:04:56

Highest Channel / QPSK

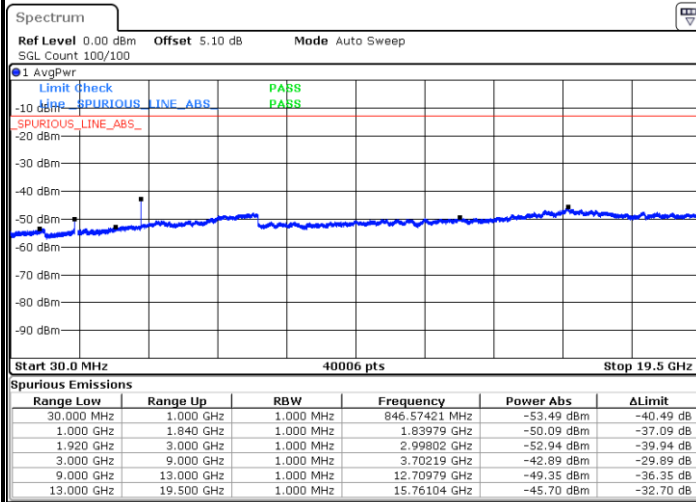


Date: 6.DEC.2020 00:09:56



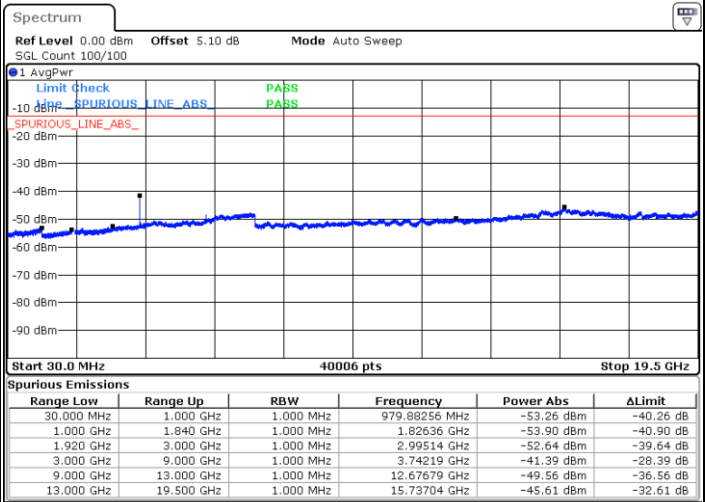
LTE Band 2 / 20MHz

Lowest Channel / QPSK



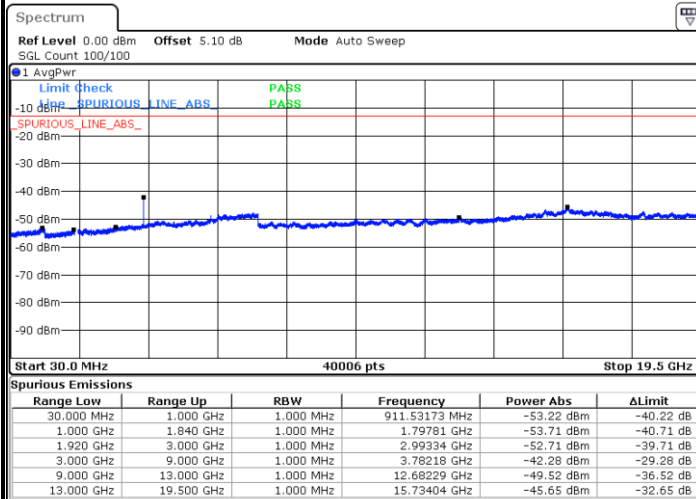
Date: 5.DEC.2020 23:59:38

Middle Channel / QPSK



Date: 6.DEC.2020 00:00:27

Highest Channel / QPSK



Date: 6.DEC.2020 00:01:12

**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	0.0022	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0002	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0030	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0029	
20	Normal Voltage	0.0037	
20	Battery End Point	0.0041	

Note:

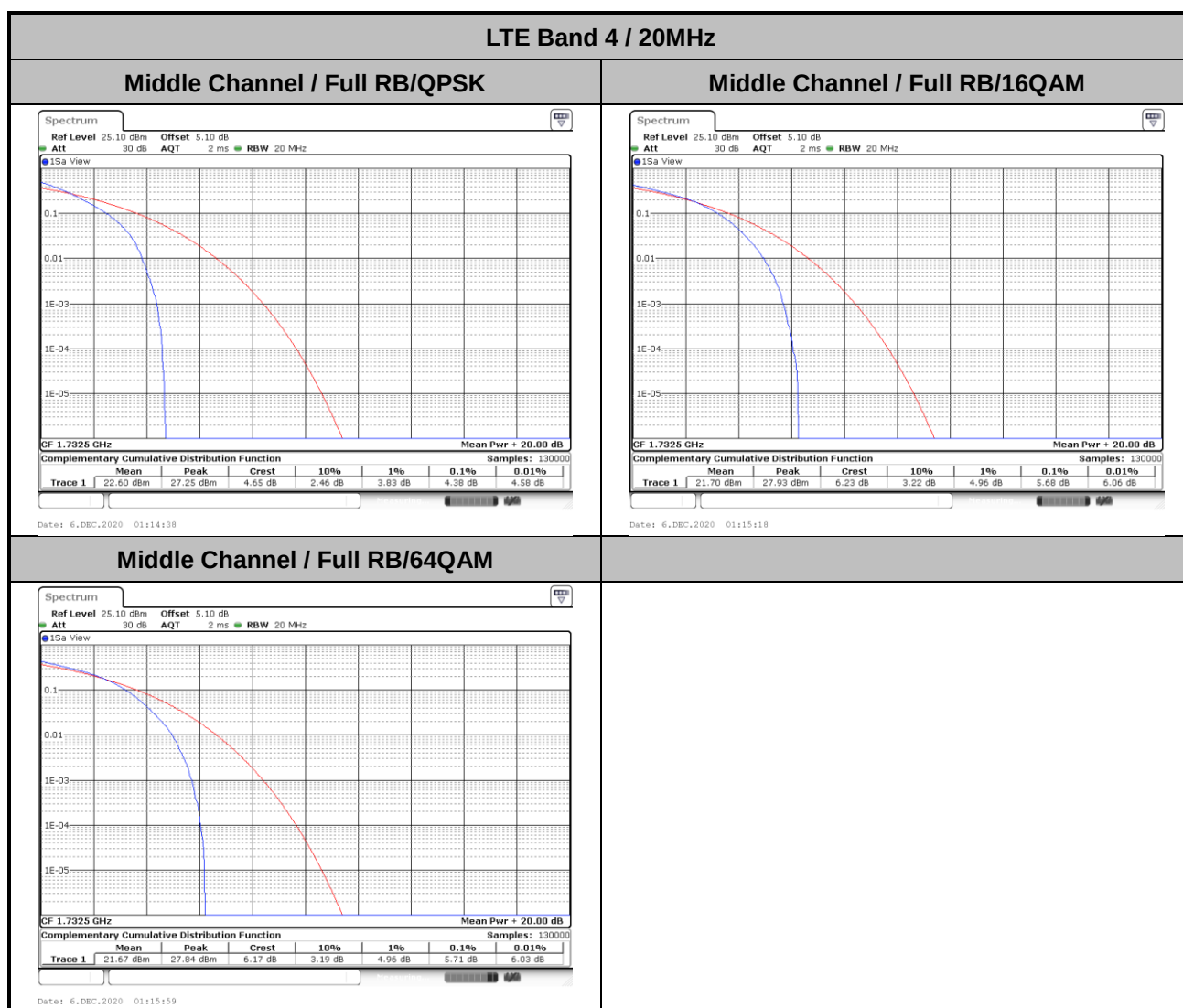
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 4

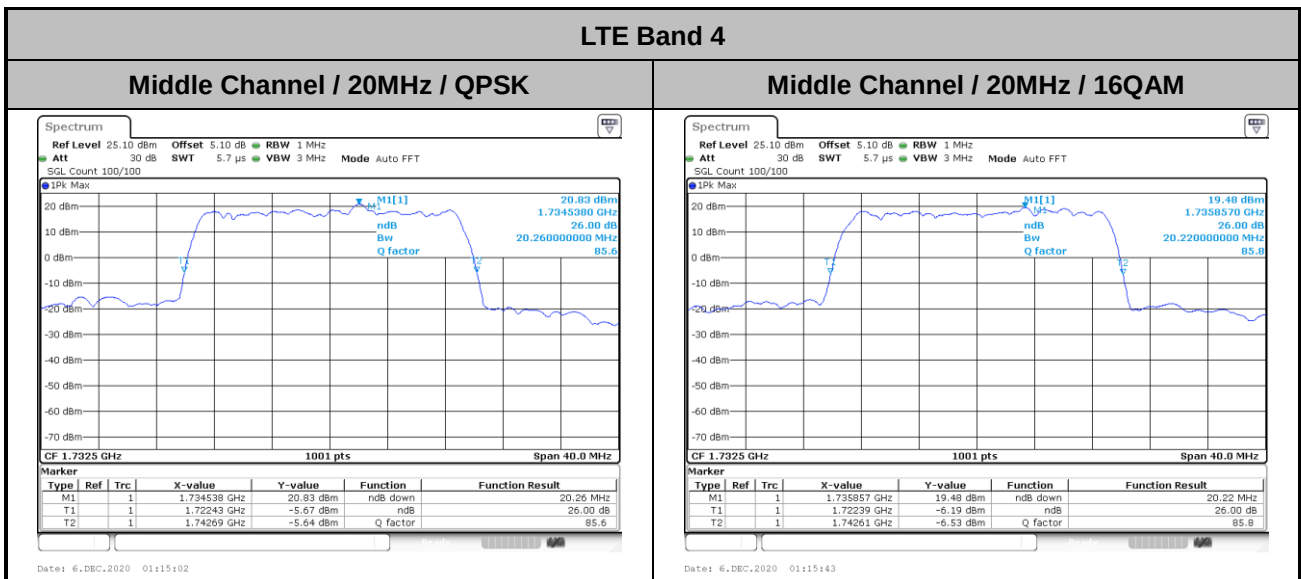
Peak-to-Average Ratio

Mode	LTE Band 4 / 20MHz				
Mod.	QPSK	16QAM	64QAM	-	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	-	Result
Middle CH	4.38	5.68	5.71	-	PASS



**26dB Bandwidth**

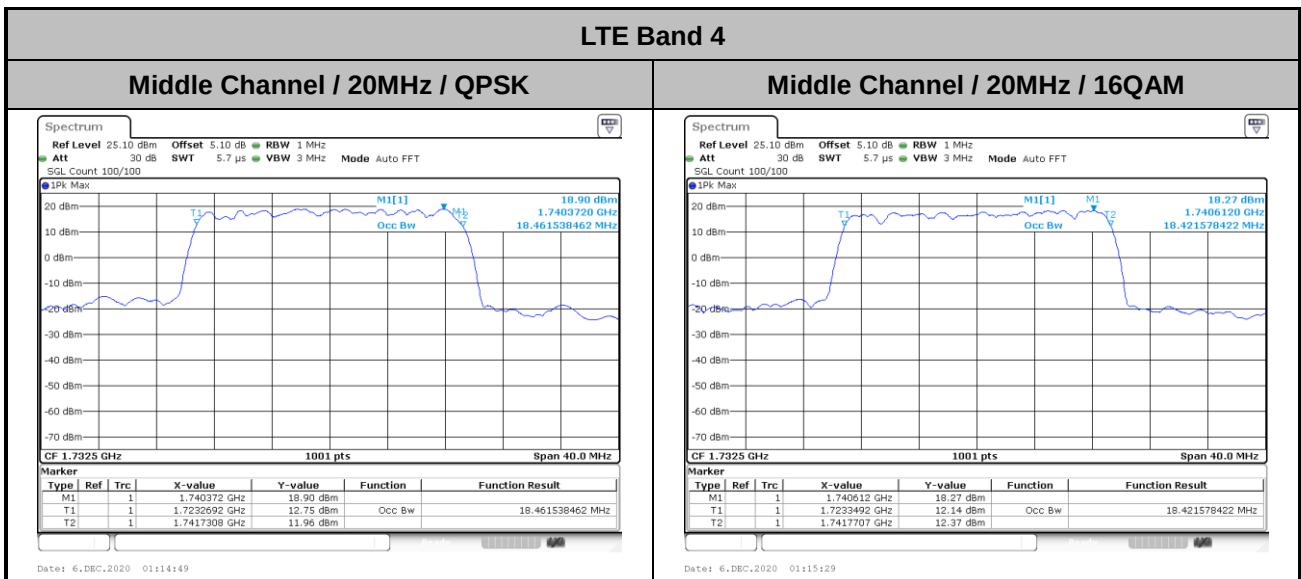
LTE Band 4		
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	20.26	20.22

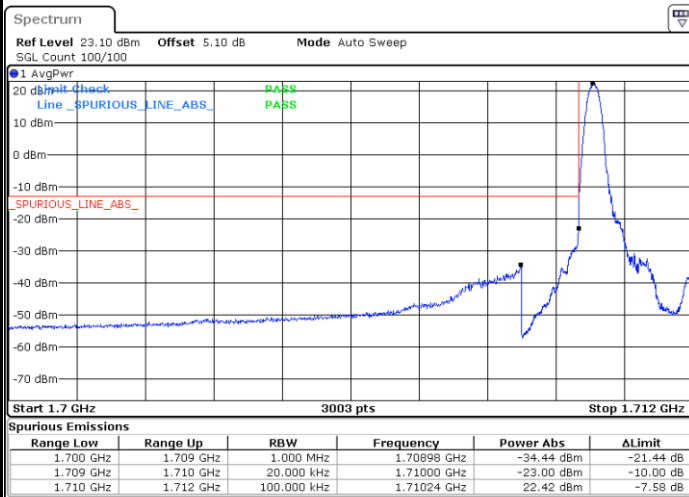
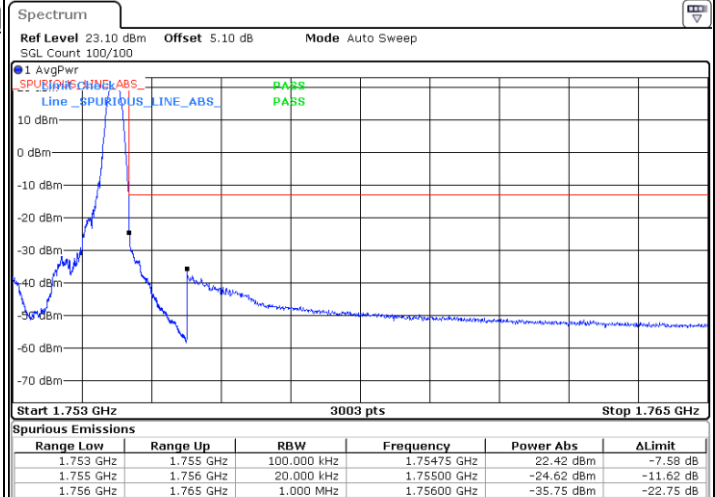
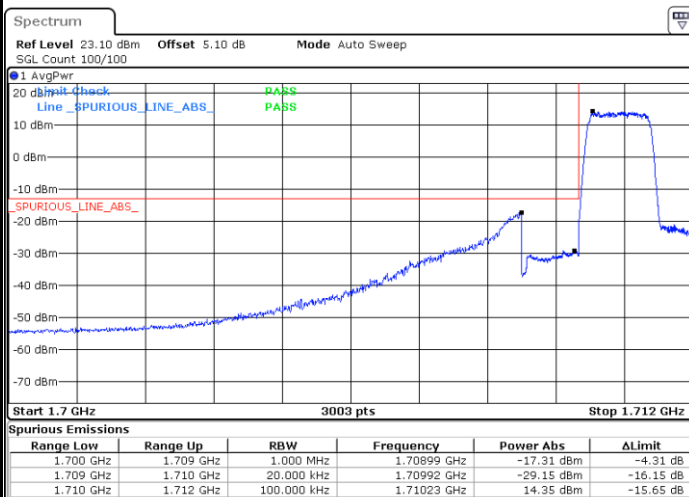
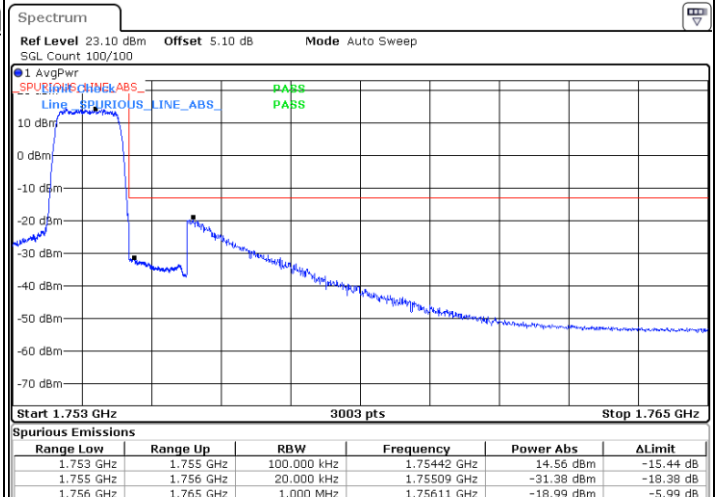




Occupied Bandwidth

LTE Band 4		
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.46	18.42

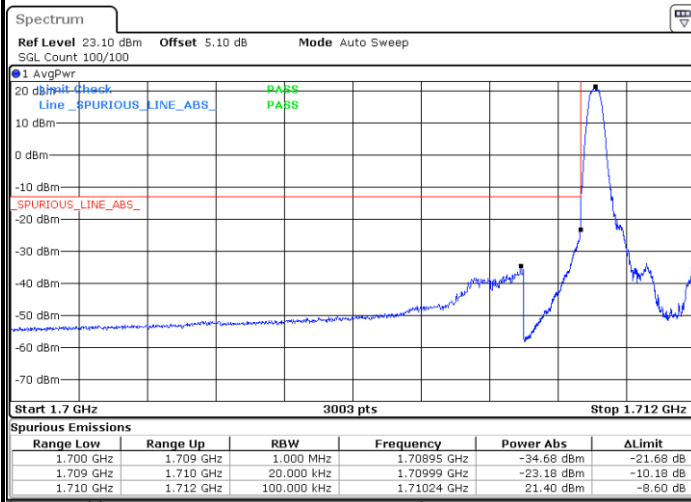


**Conducted Band Edge****LTE Band 4 / 1.4MHz / QPSK****Lowest Band Edge / 1RB****Highest Band Edge / 1RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

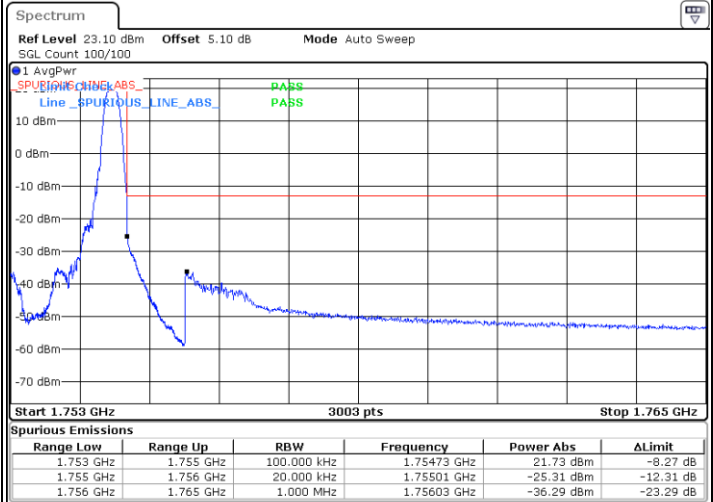


LTE Band 4 / 1.4MHz / 16QAM

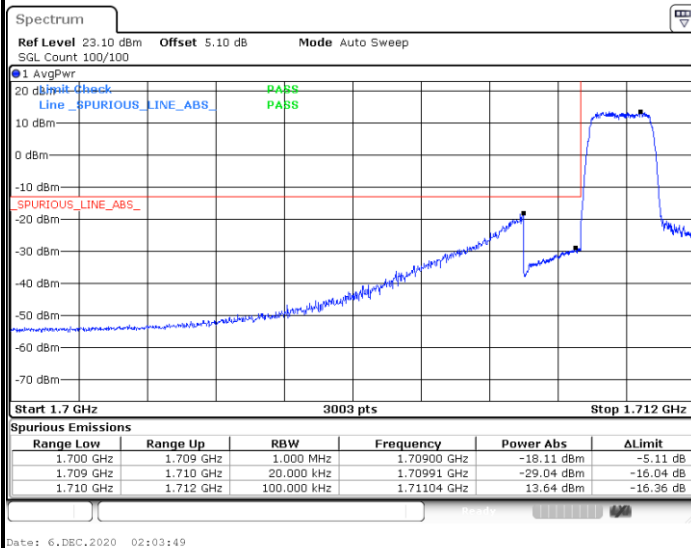
Lowest Band Edge / 1 RB



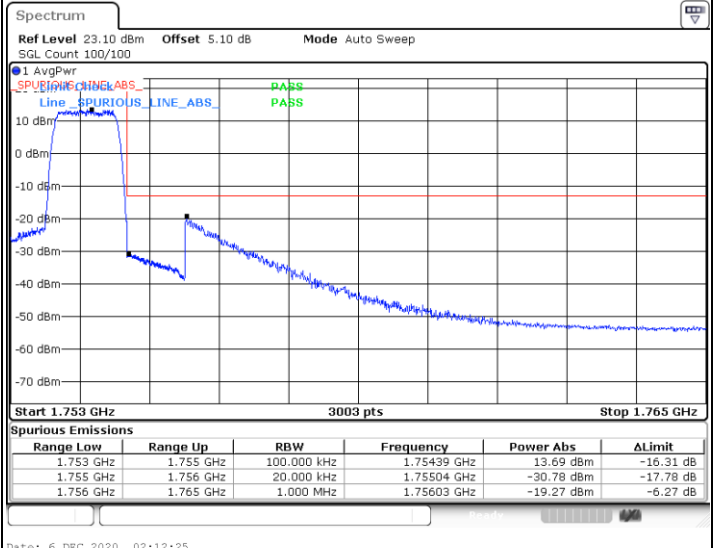
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



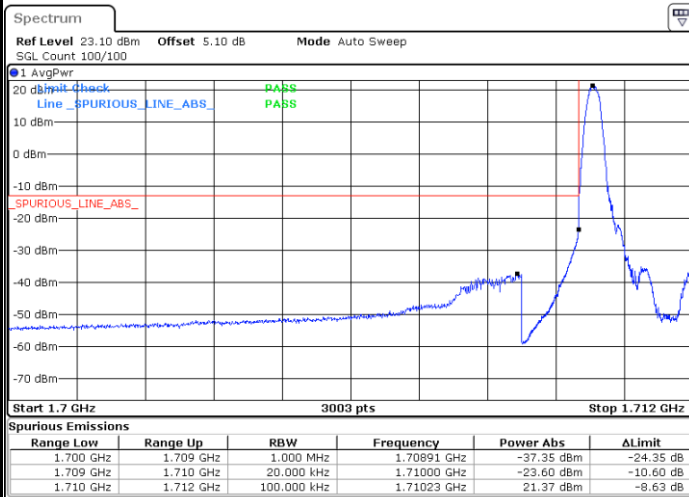
Highest Band Edge / Full RB



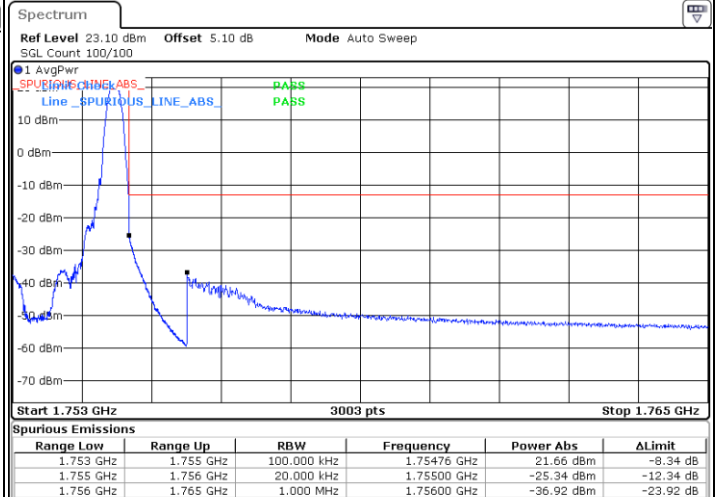


LTE Band 4 / 1.4MHz / 64QAM

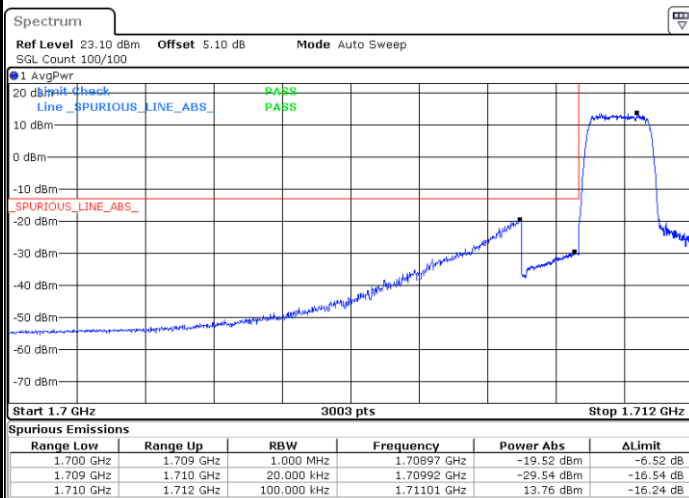
Lowest Band Edge / 1 RB



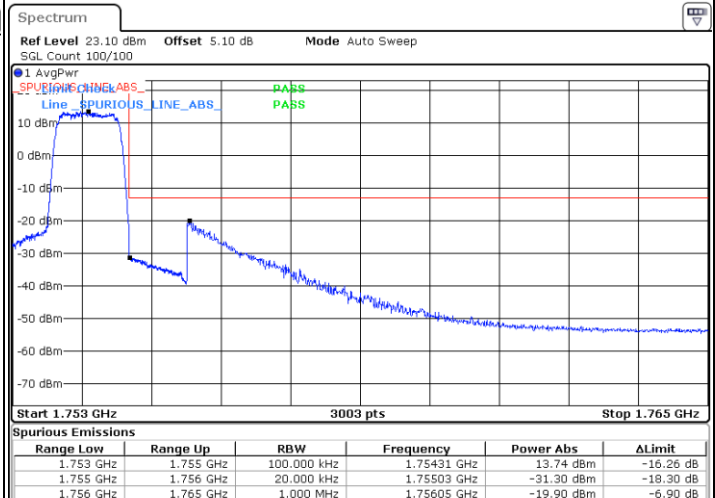
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



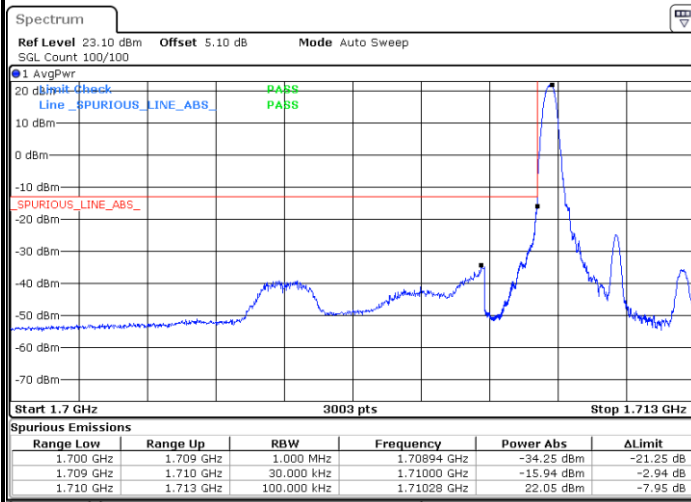
Highest Band Edge / Full RB



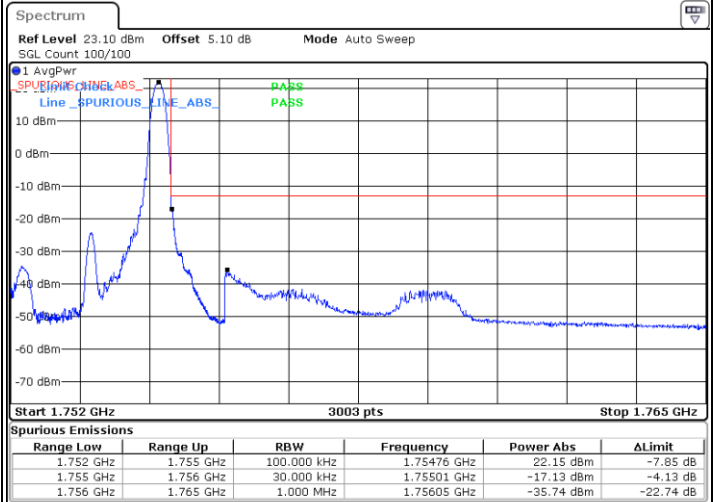


LTE Band 4 / 3MHz / QPSK

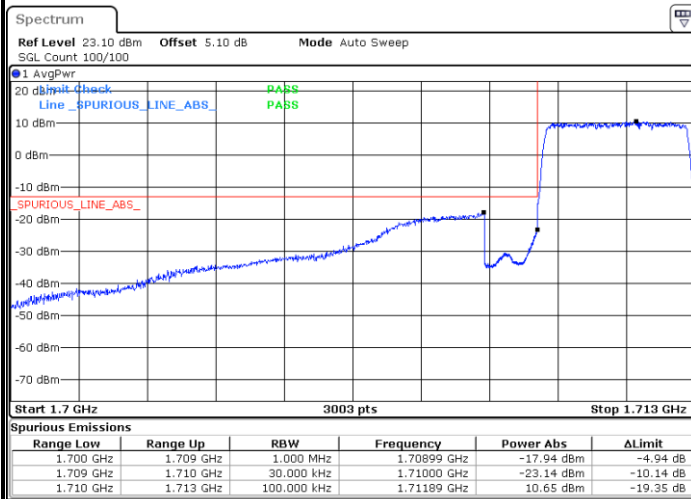
Lowest Band Edge / 1RB



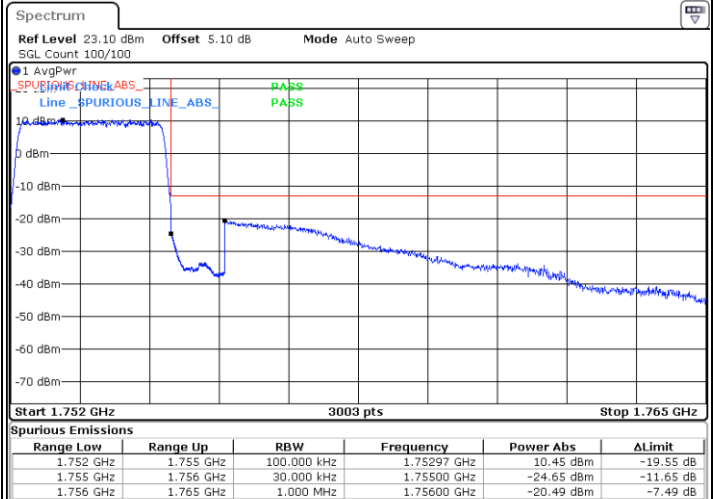
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



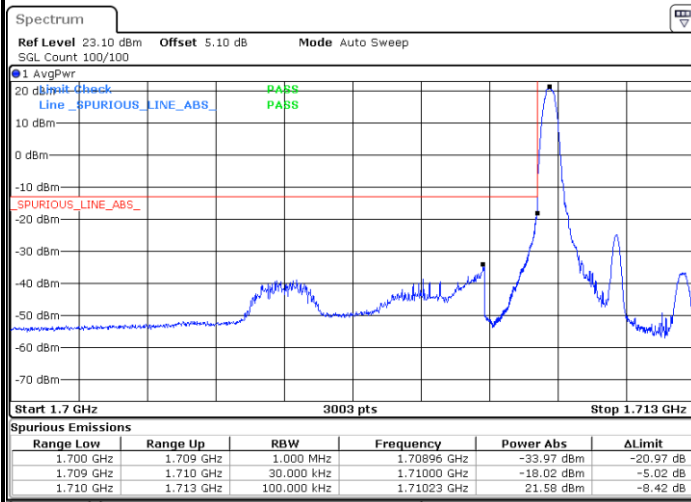
Highest Band Edge / Full RB



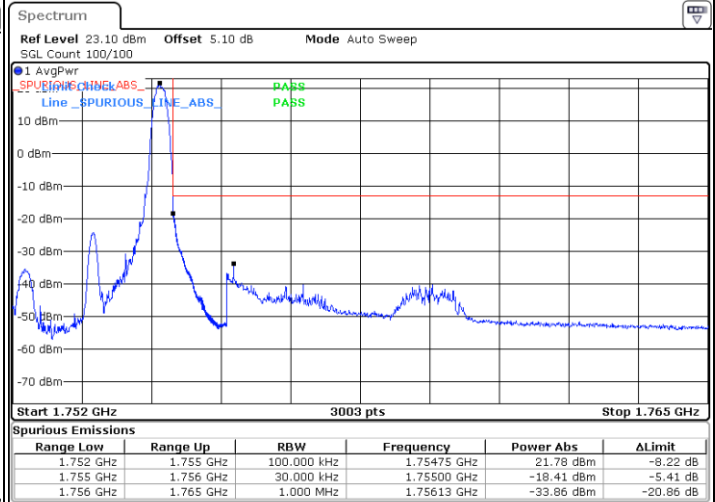


LTE Band 4 / 3MHz / 16QAM

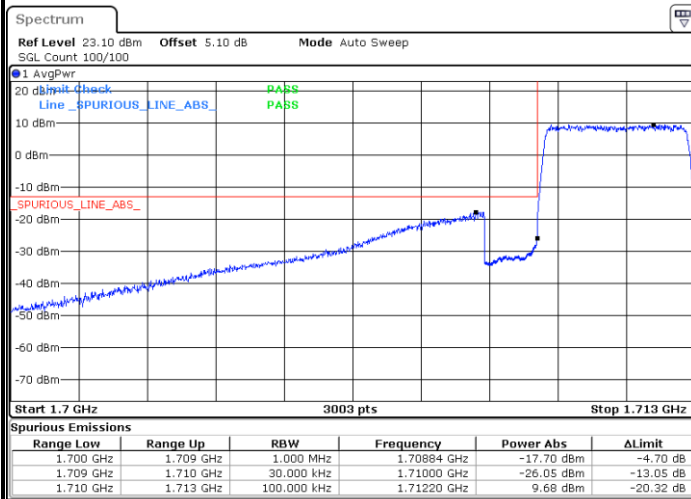
Lowest Band Edge / 1 RB



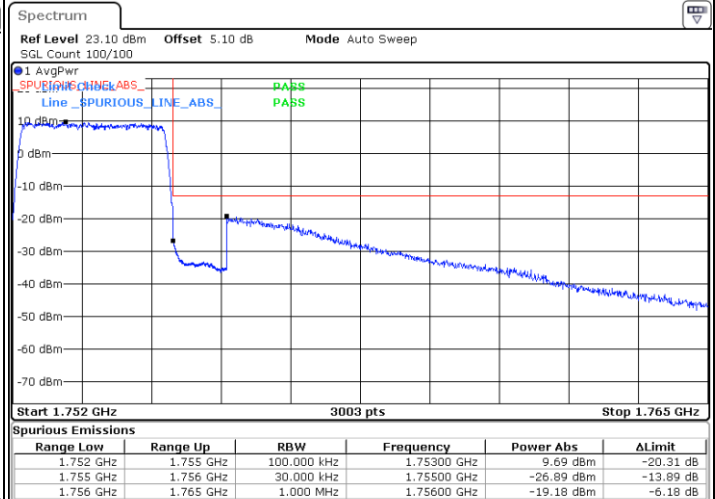
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



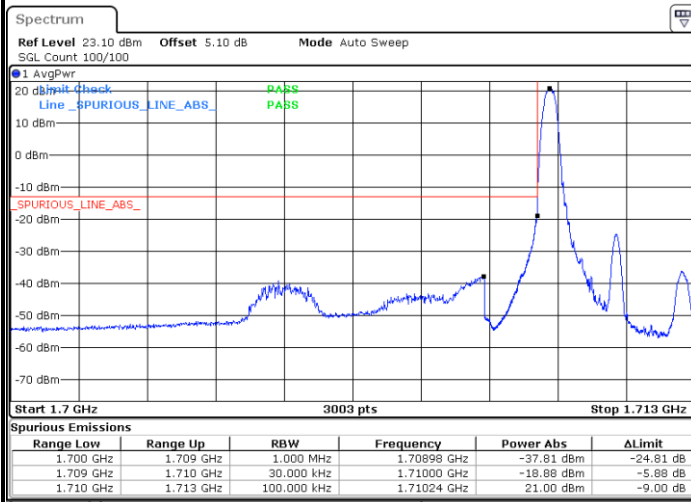
Highest Band Edge / Full RB



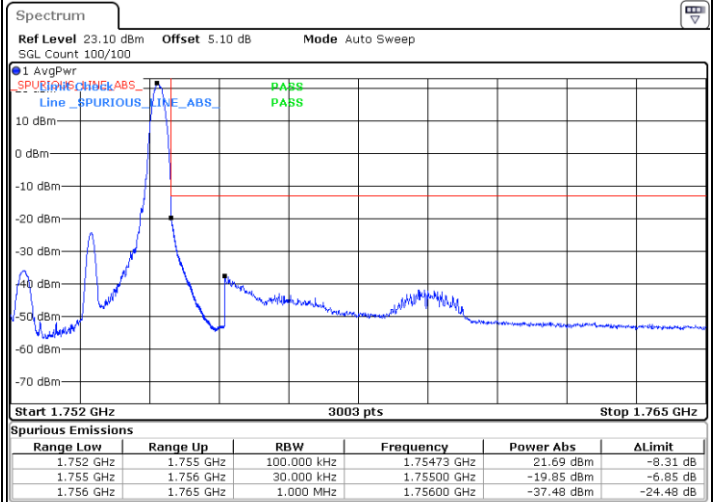


LTE Band 4 / 3MHz / 64QAM

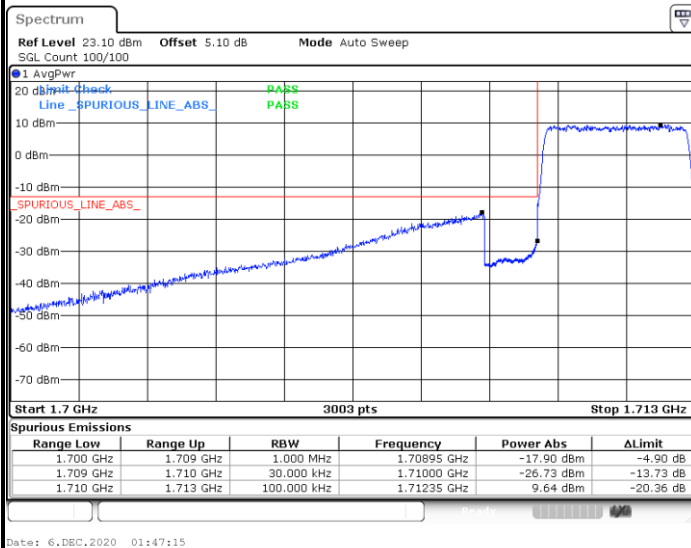
Lowest Band Edge / 1 RB



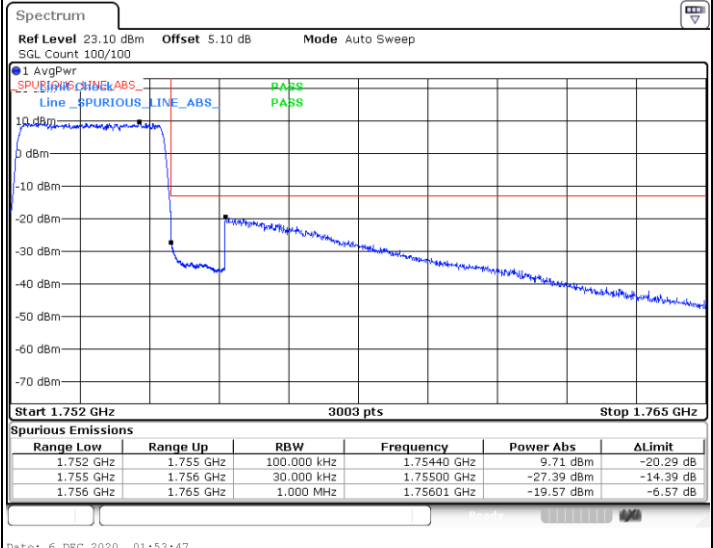
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



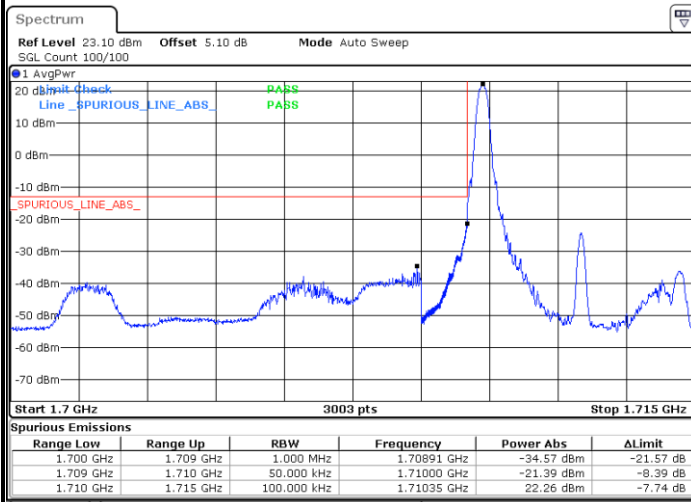
Highest Band Edge / Full RB



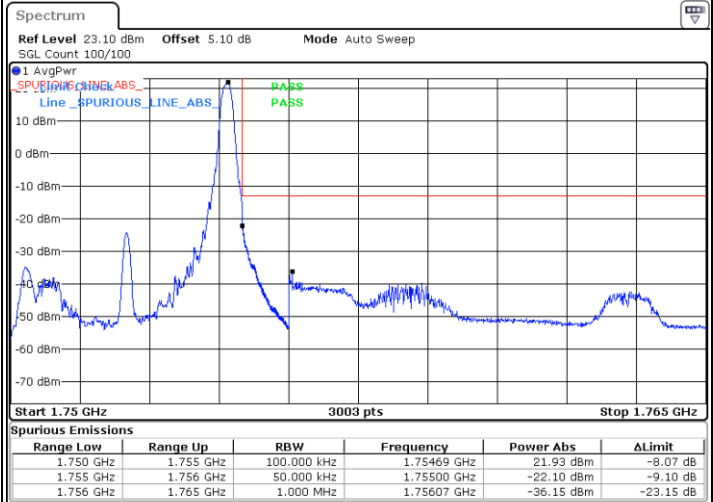


LTE Band 4 / 5MHz / QPSK

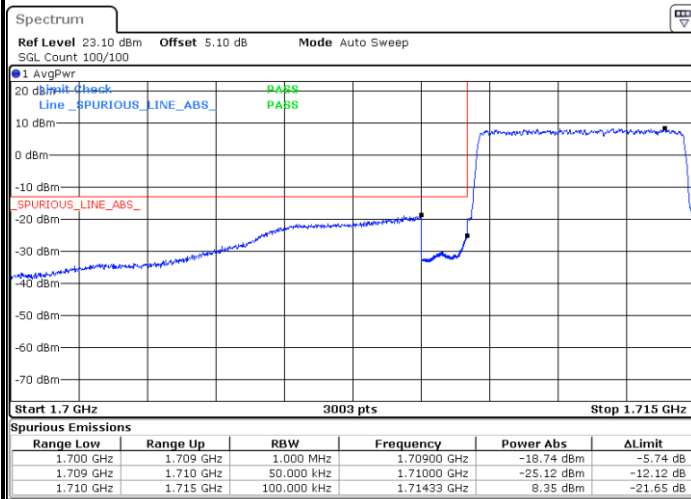
Lowest Band Edge / 1 RB



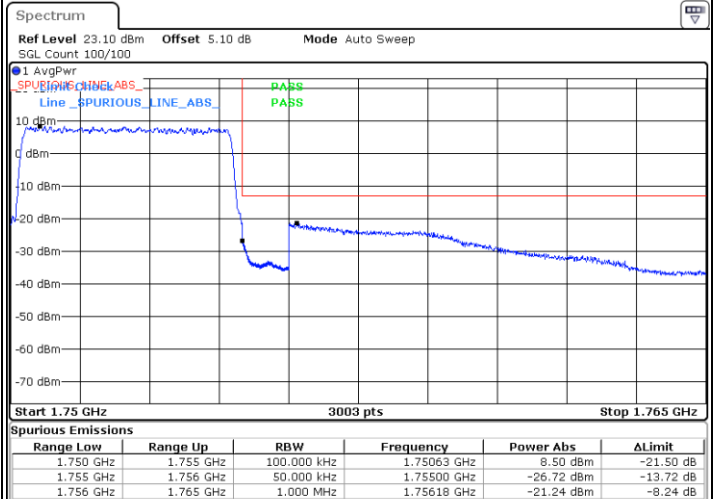
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



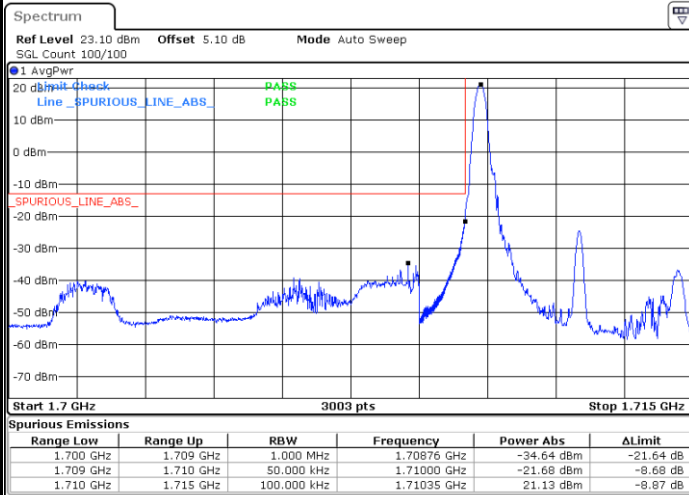
Highest Band Edge / Full RB



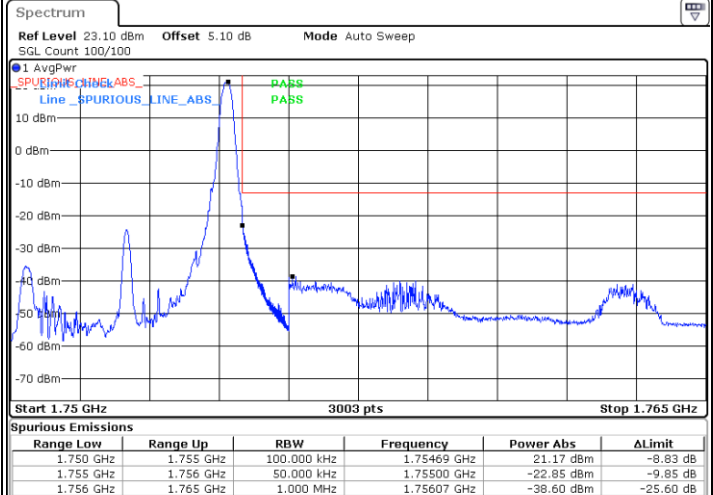


LTE Band 4 / 5MHz / 16QAM

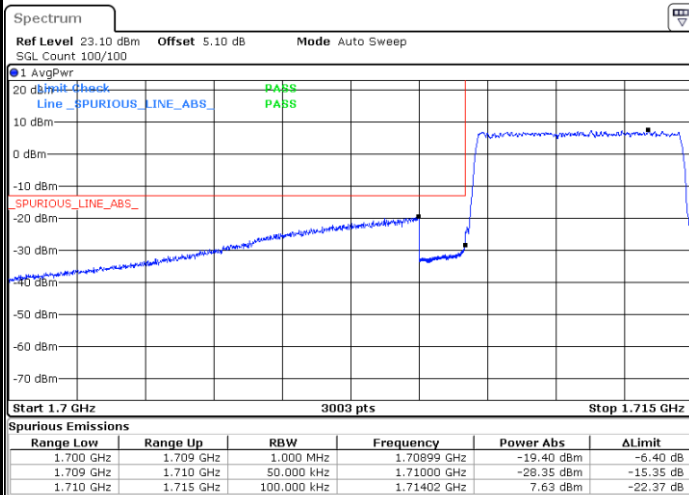
Lowest Band Edge / 1RB



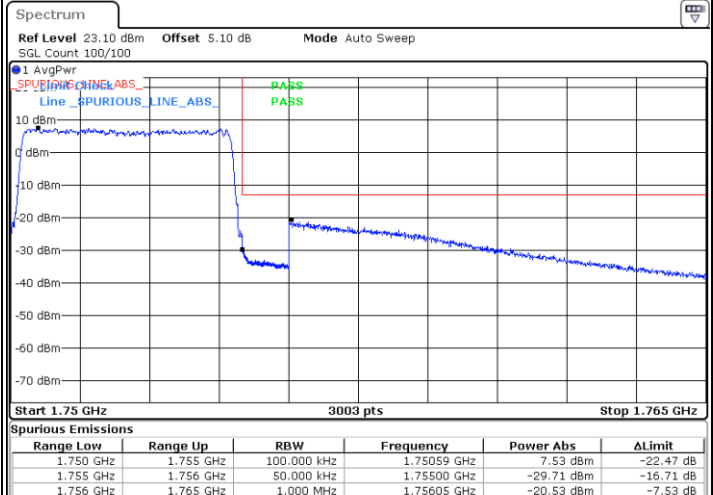
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



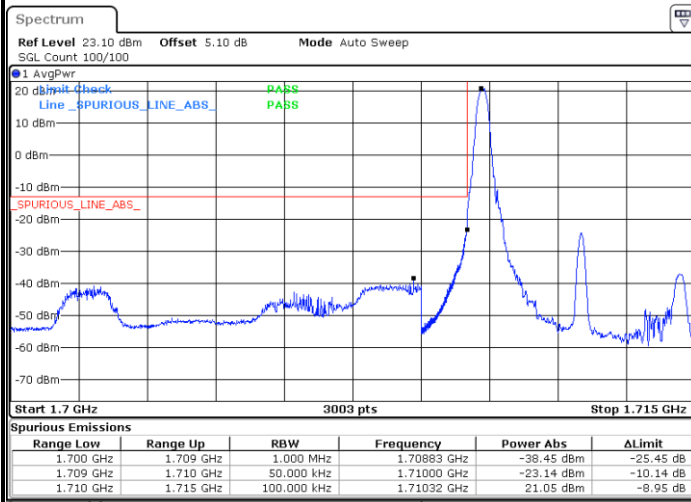
Highest Band Edge / Full RB



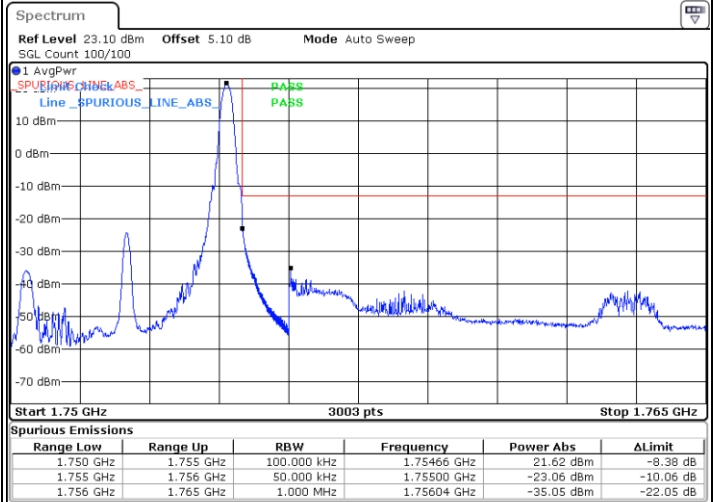


LTE Band 4 / 5MHz / 64QAM

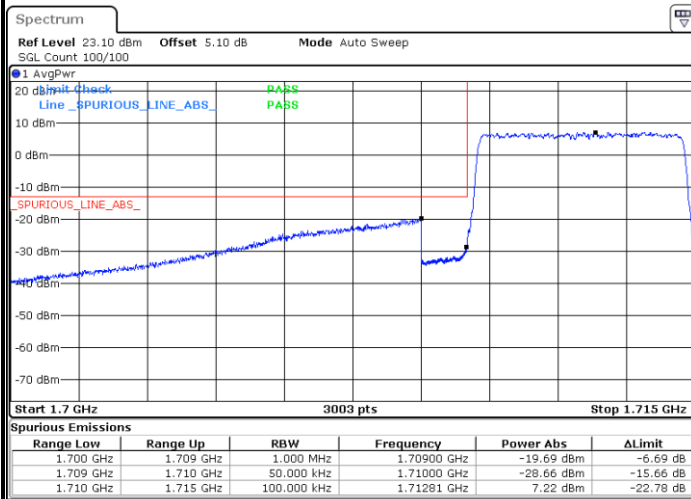
Lowest Band Edge / 1RB



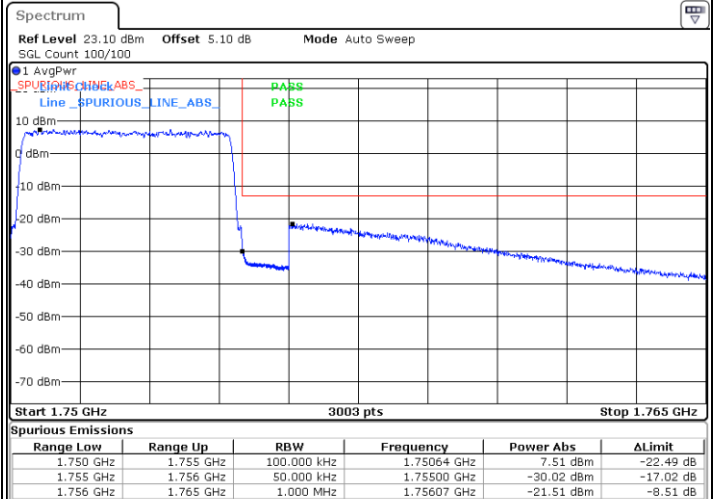
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



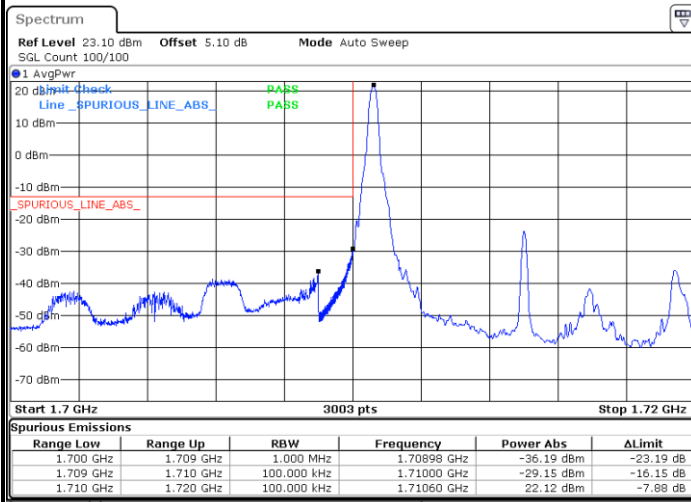
Highest Band Edge / Full RB



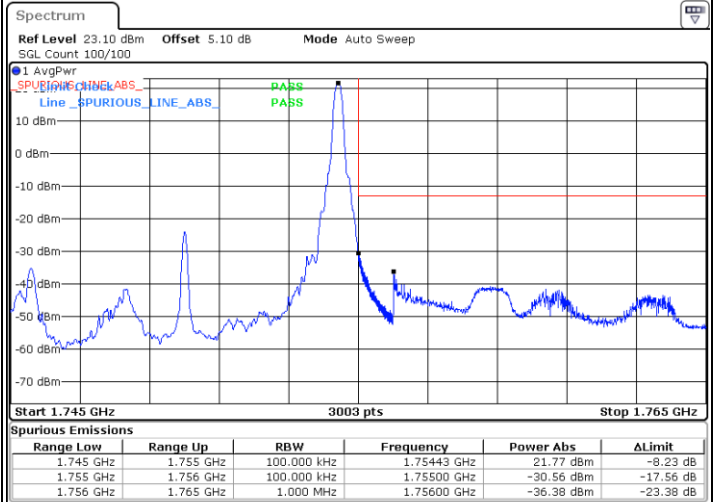


LTE Band 4 / 10MHz / QPSK

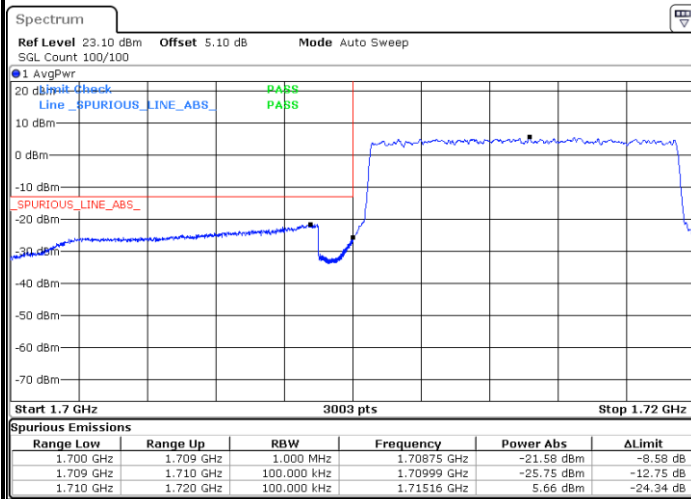
Lowest Band Edge / 1 RB



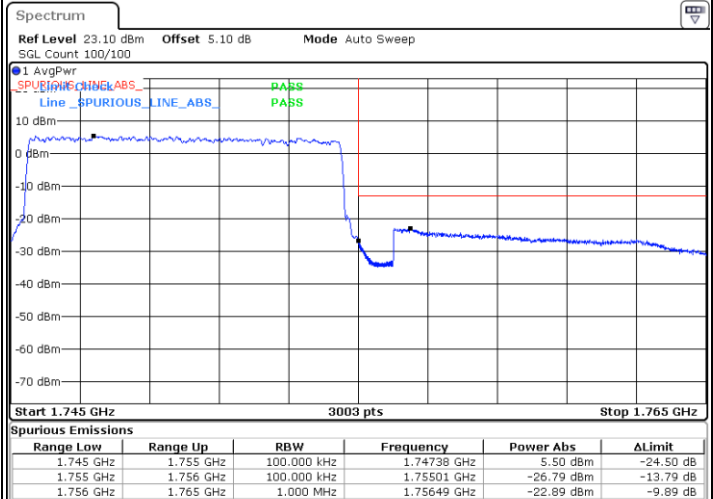
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



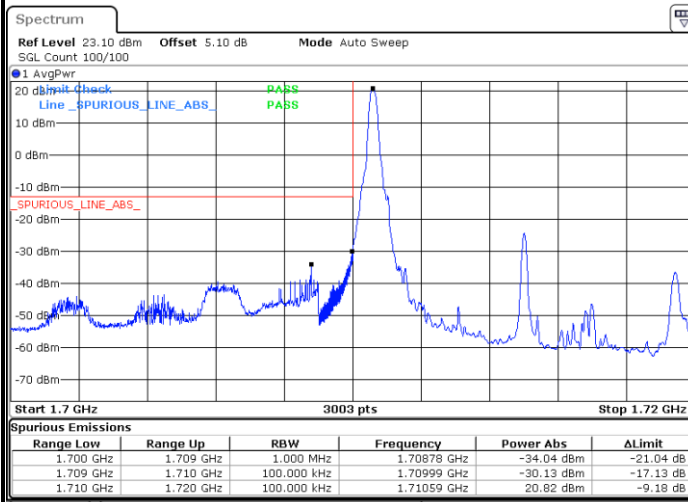
Highest Band Edge / Full RB



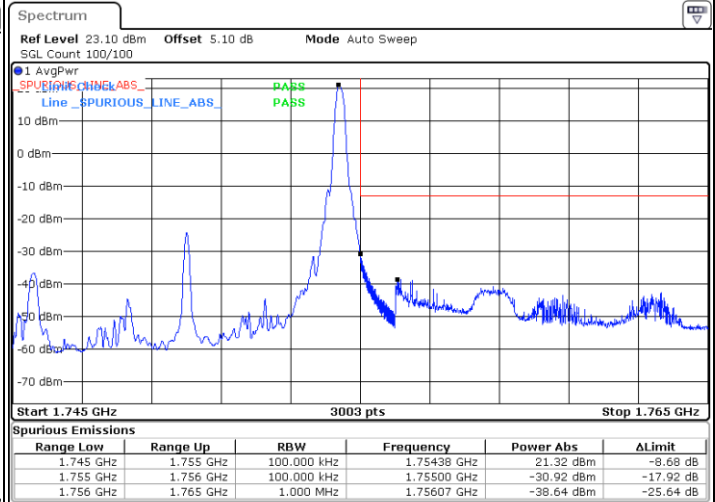


LTE Band 4 / 10MHz / 16QAM

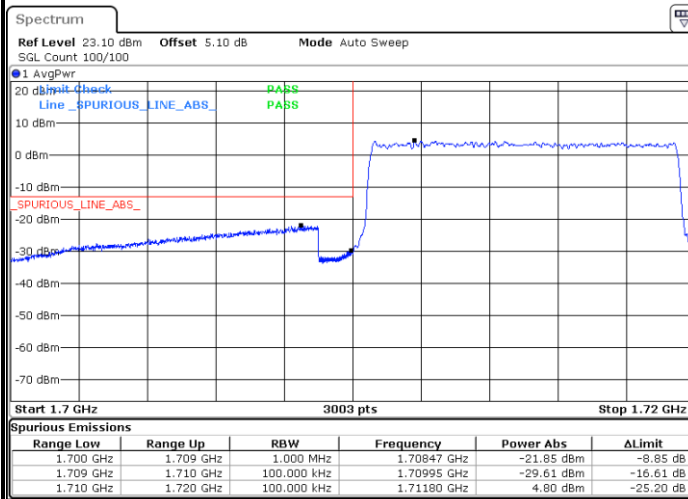
Lowest Band Edge / 1 RB



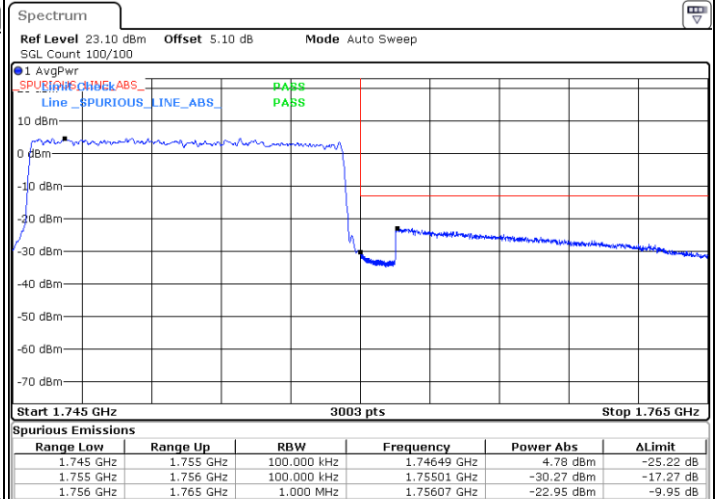
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



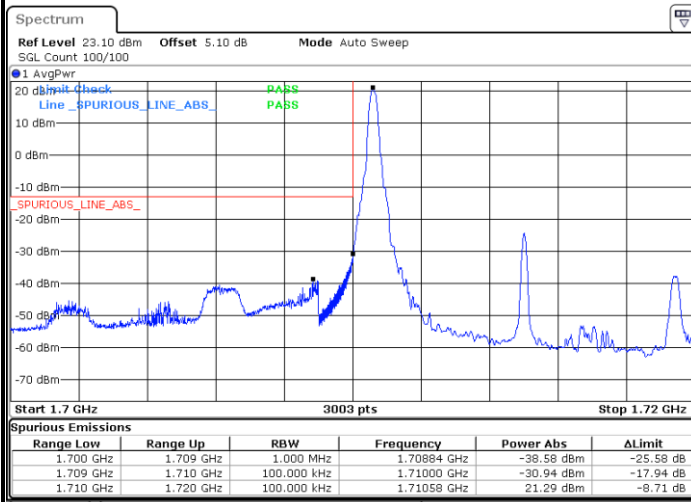
Highest Band Edge / Full RB



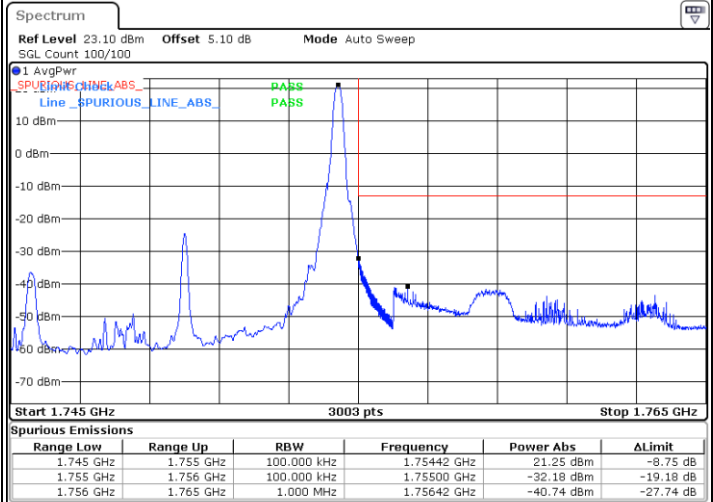


LTE Band 4 / 10MHz / 64QAM

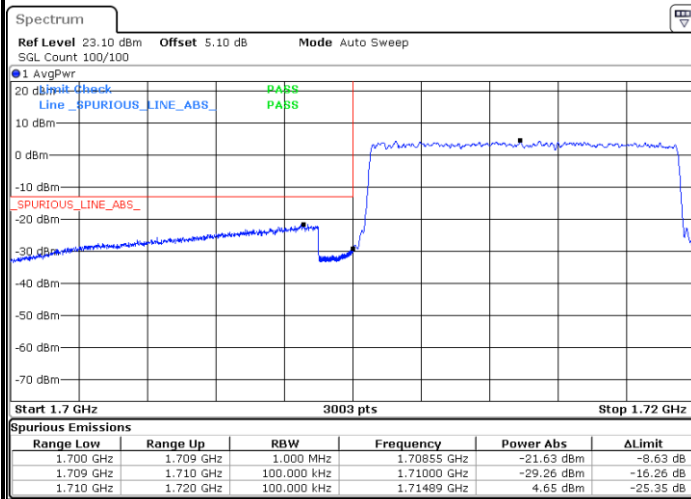
Lowest Band Edge / 1 RB



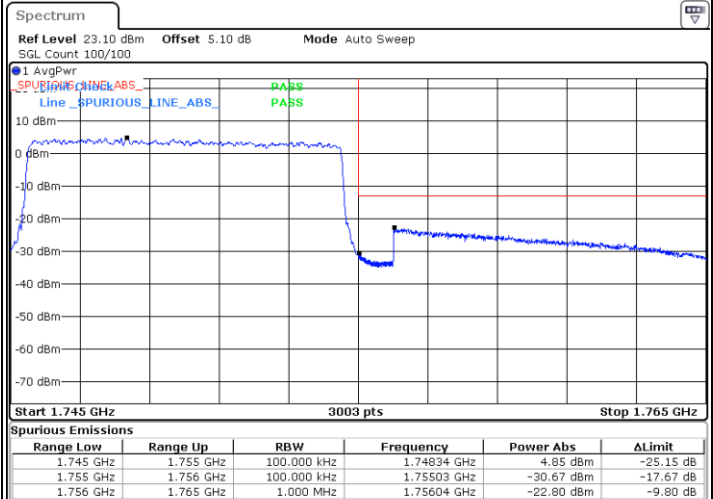
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



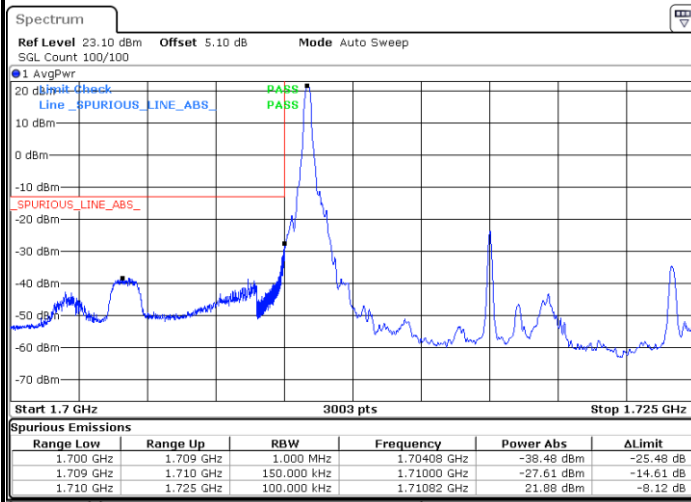
Highest Band Edge / Full RB



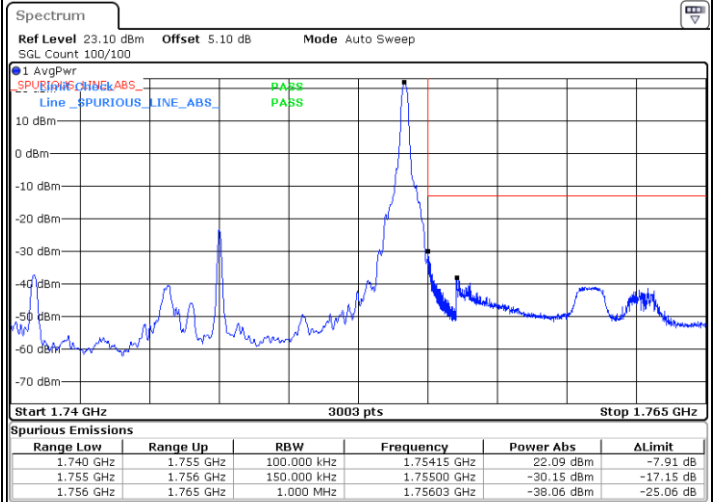


LTE Band 4 / 15MHz / QPSK

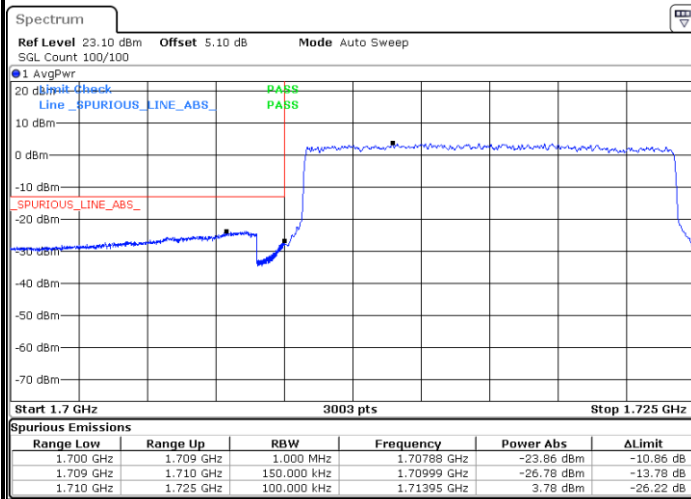
Lowest Band Edge / 1 RB



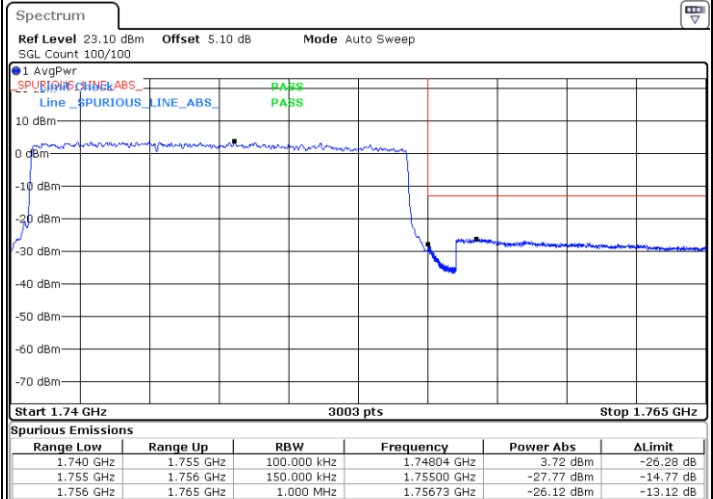
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



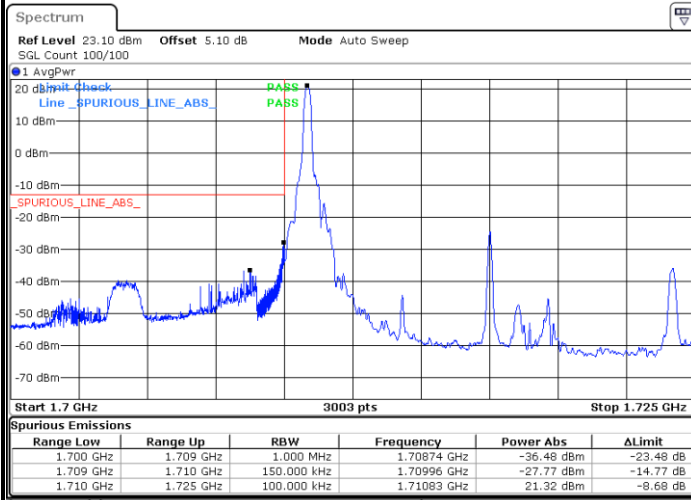
Highest Band Edge / Full RB



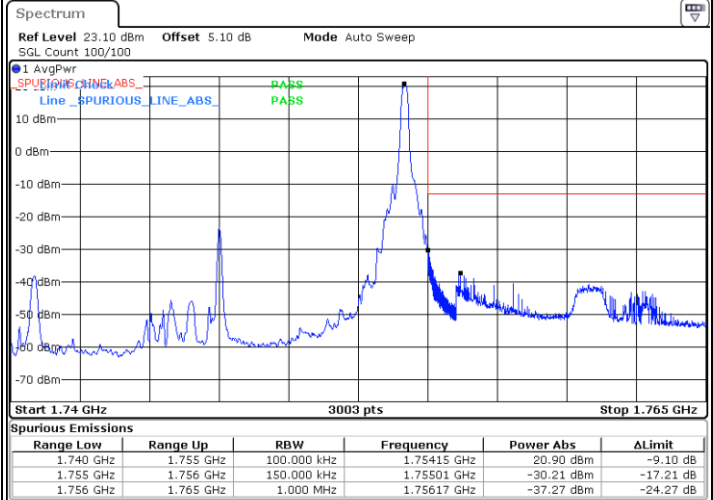


LTE Band 4 / 15MHz / 16QAM

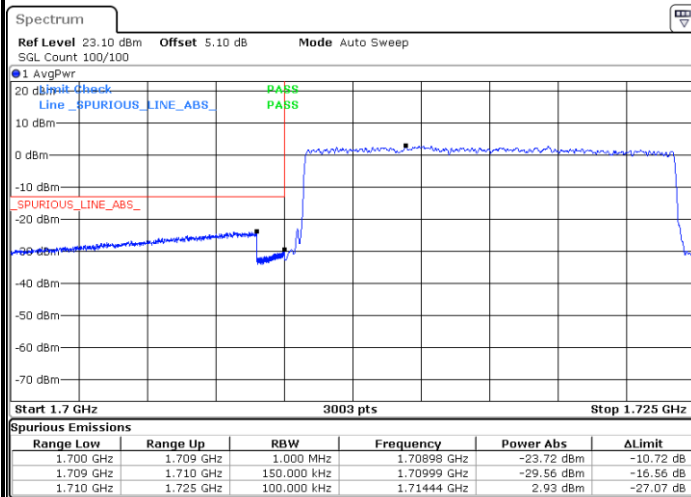
Lowest Band Edge / 1 RB



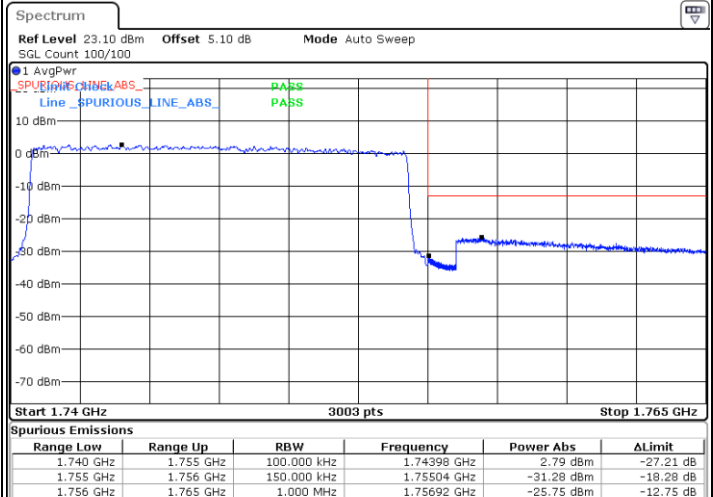
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



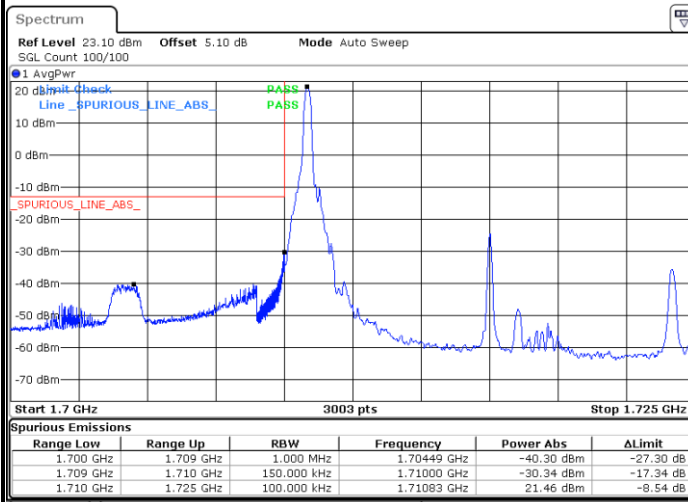
Highest Band Edge / Full RB



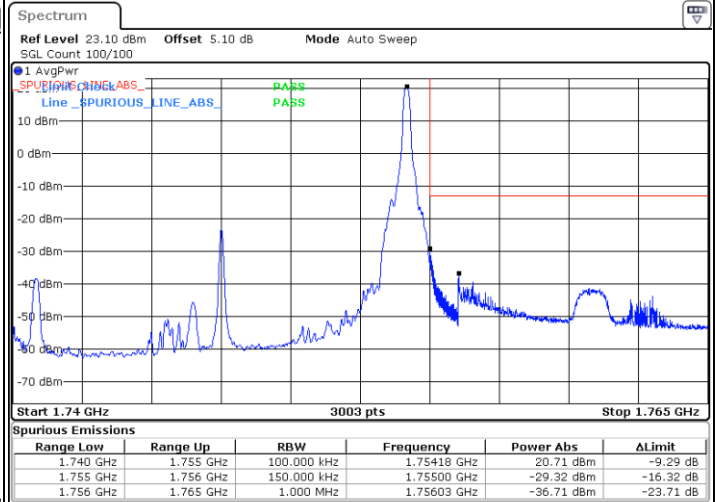


LTE Band 4 / 15MHz / 64QAM

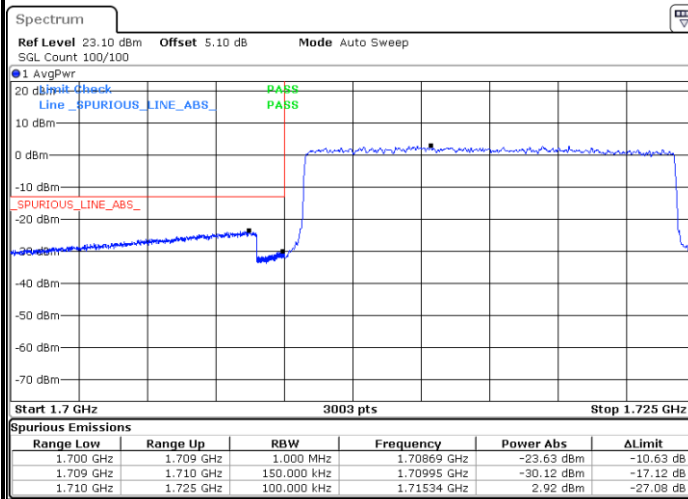
Lowest Band Edge / 1 RB



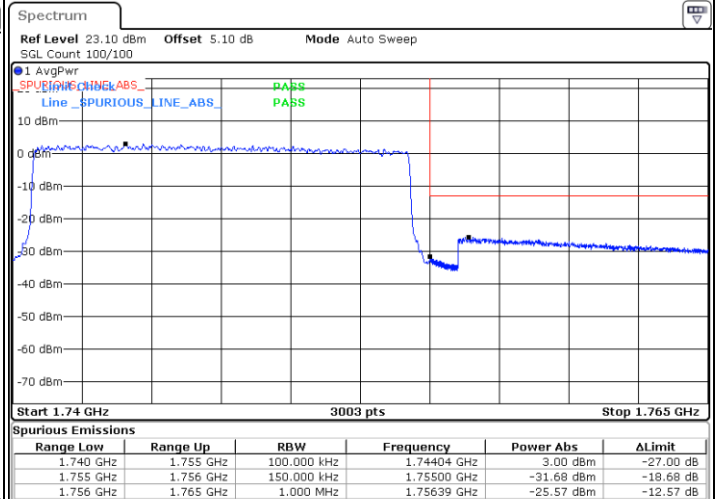
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



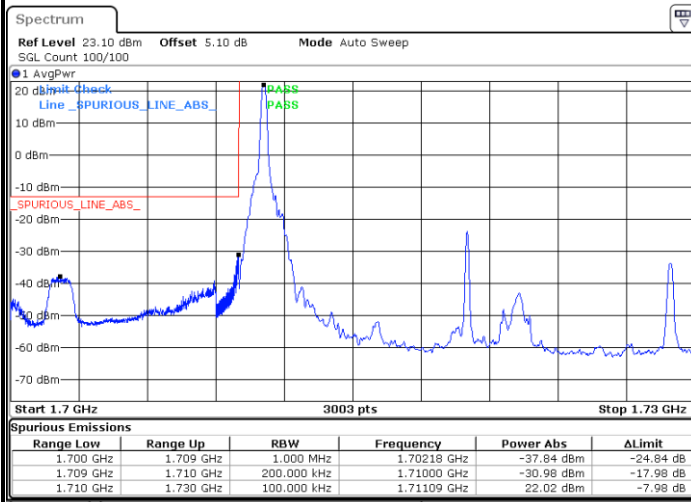
Highest Band Edge / Full RB



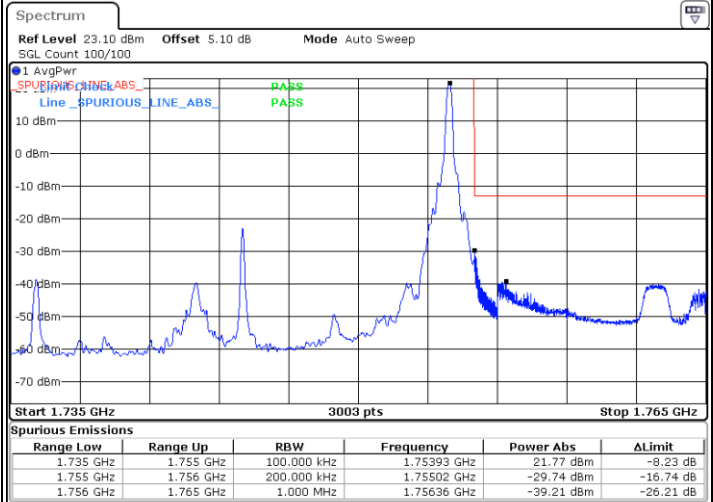


LTE Band 4 / 20MHz / QPSK

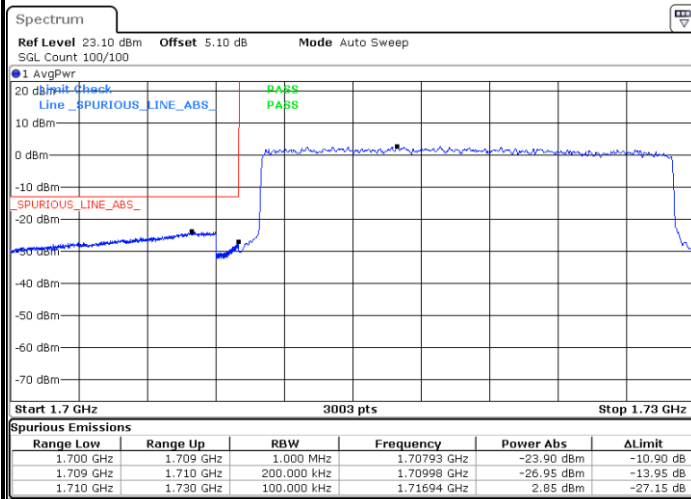
Lowest Band Edge / 1 RB



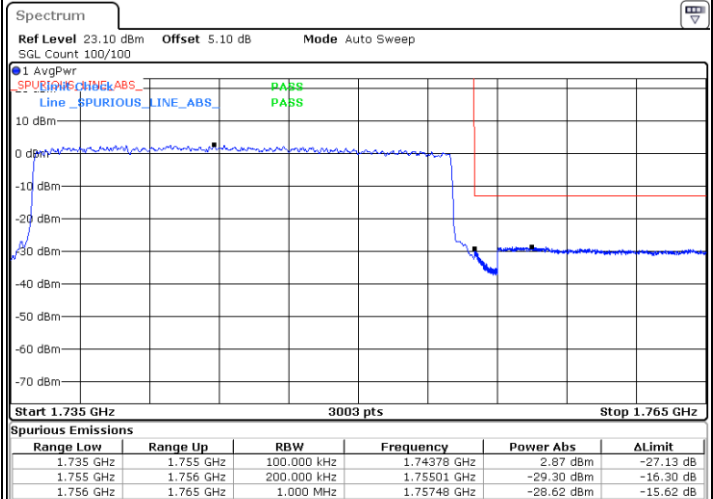
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



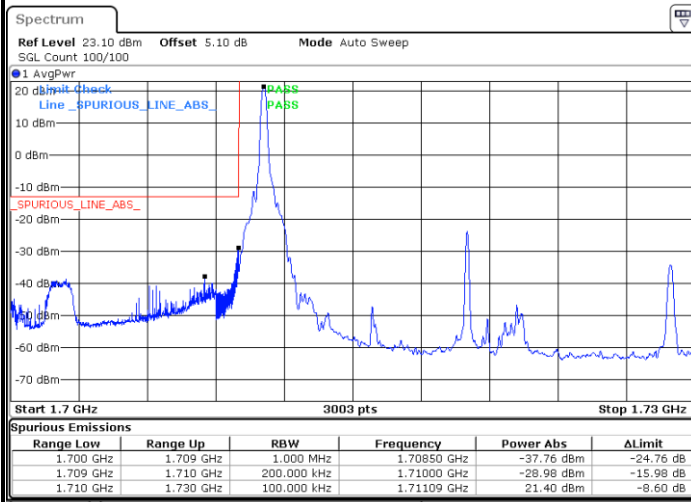
Highest Band Edge / Full RB



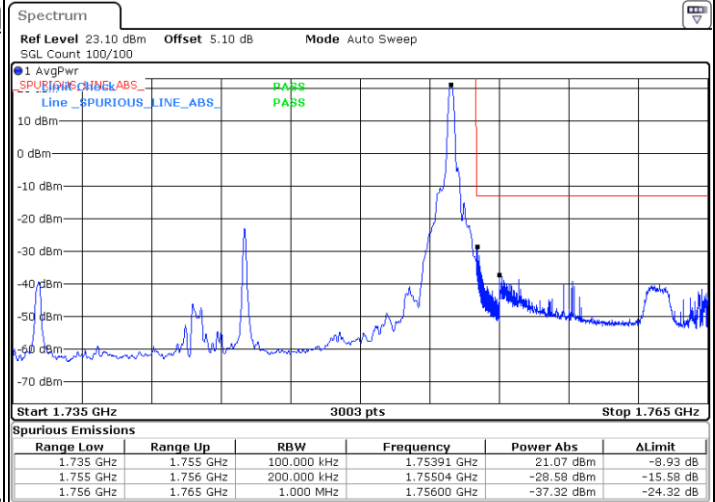


LTE Band 4 / 20MHz / 16QAM

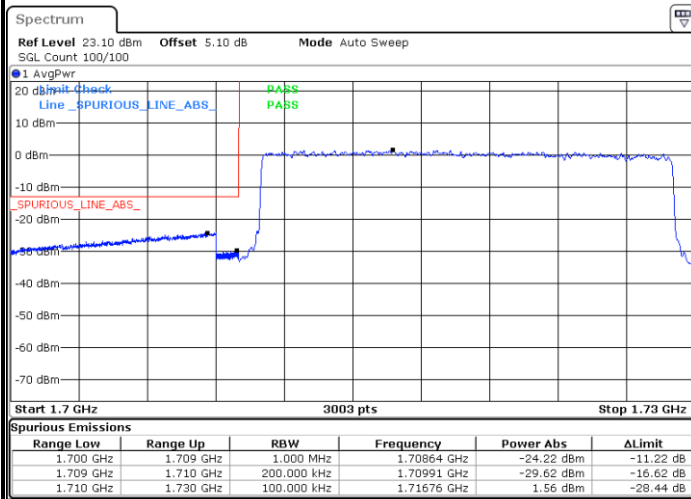
Lowest Band Edge / 1 RB



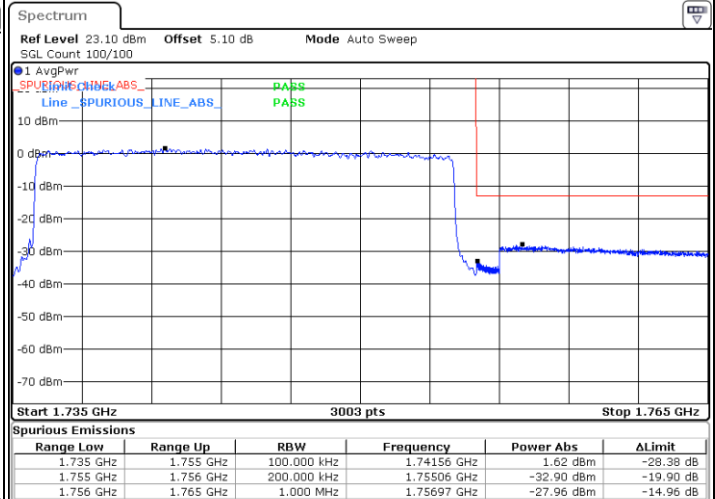
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



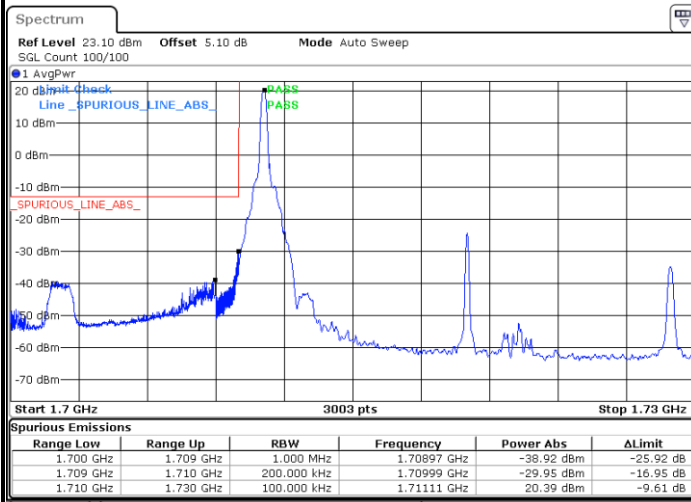
Highest Band Edge / Full RB



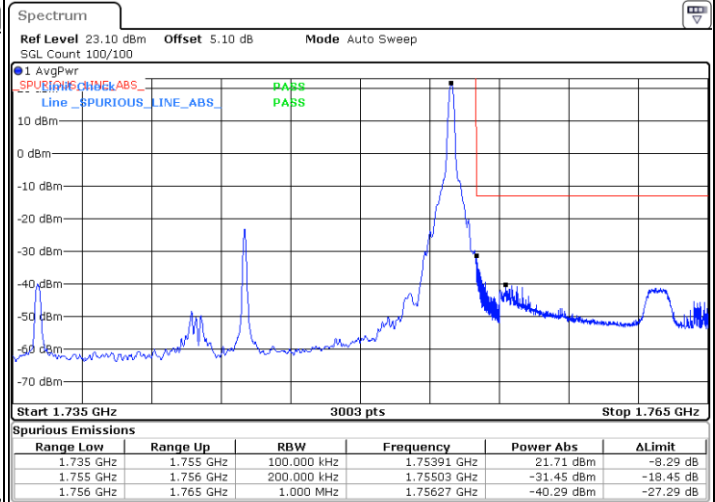


LTE Band 4 / 20MHz / 64QAM

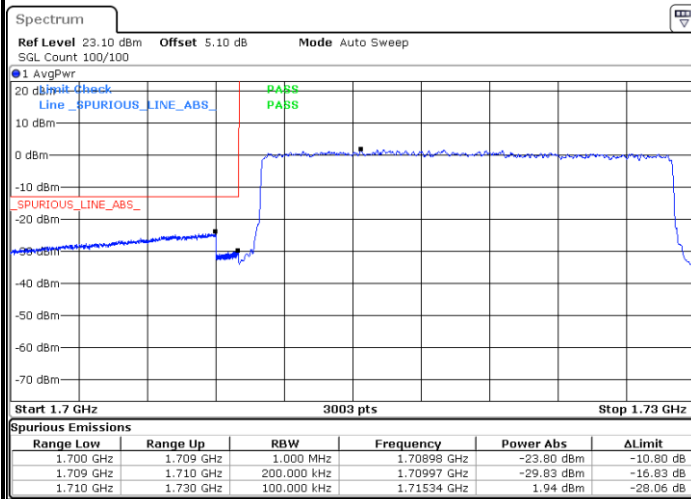
Lowest Band Edge / 1 RB



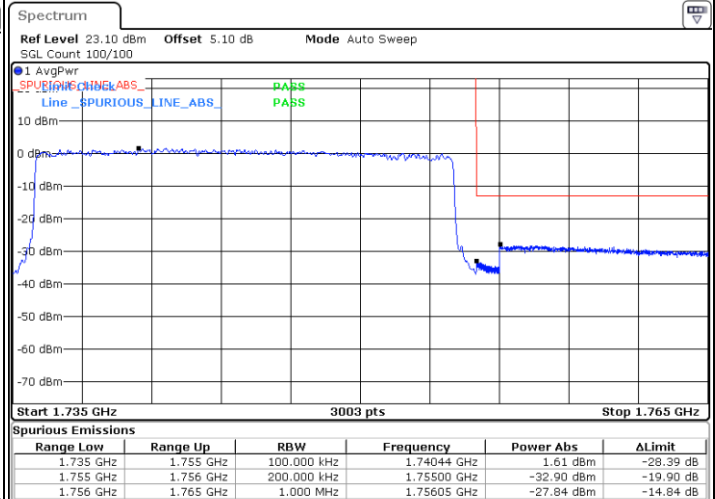
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

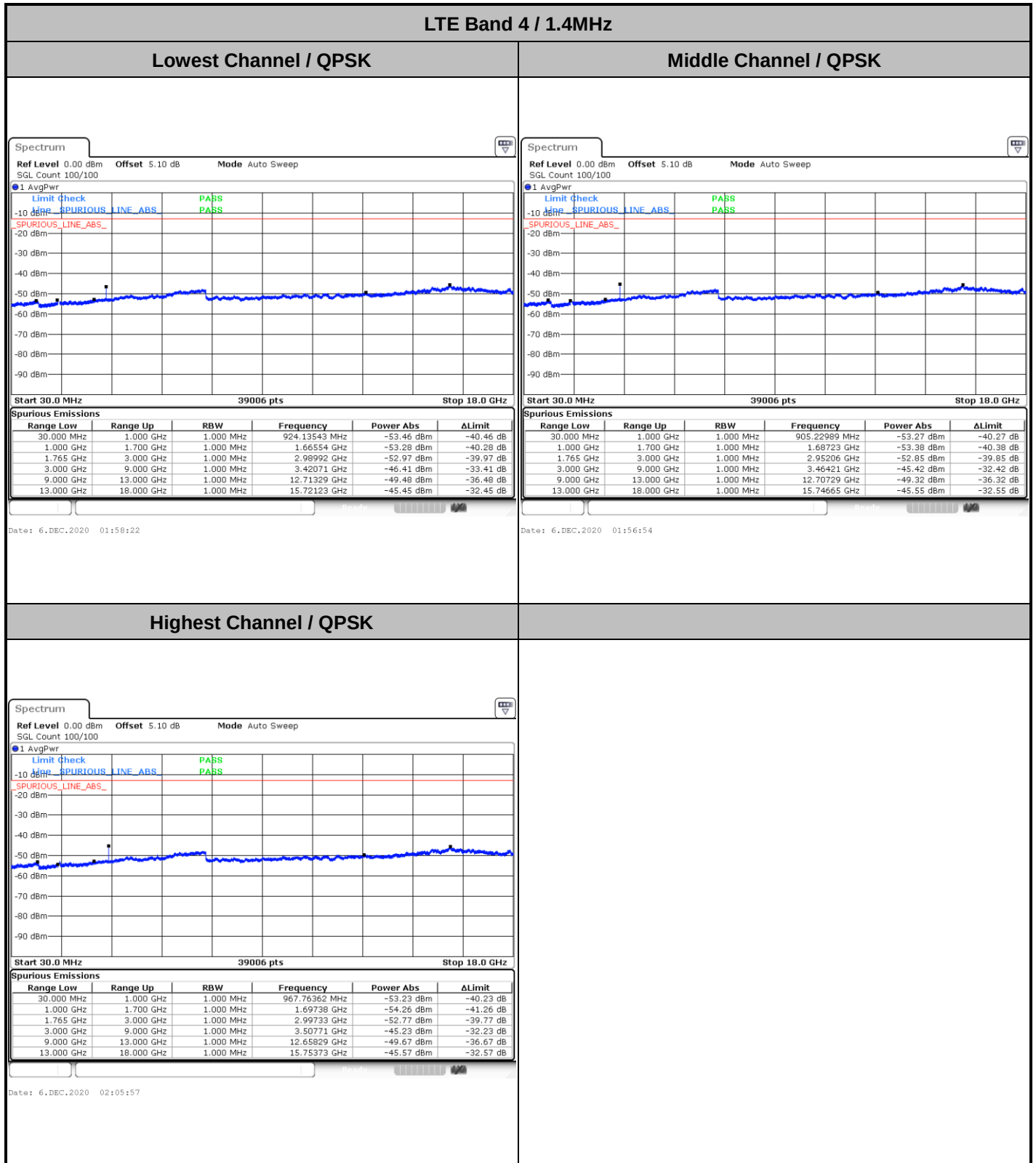


Highest Band Edge / Full RB





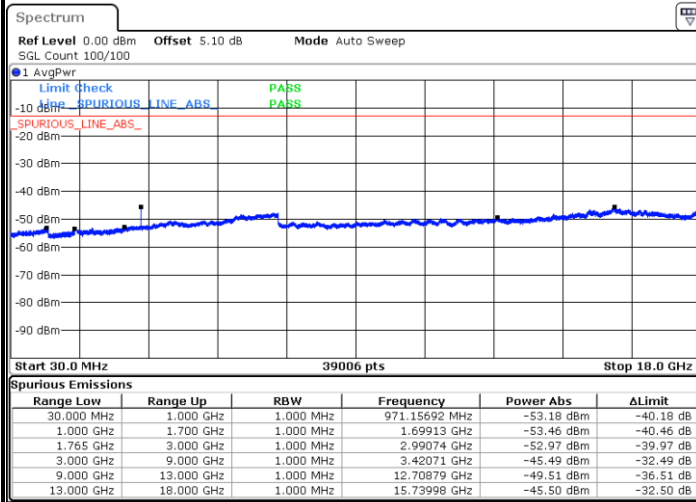
Conducted Spurious Emission





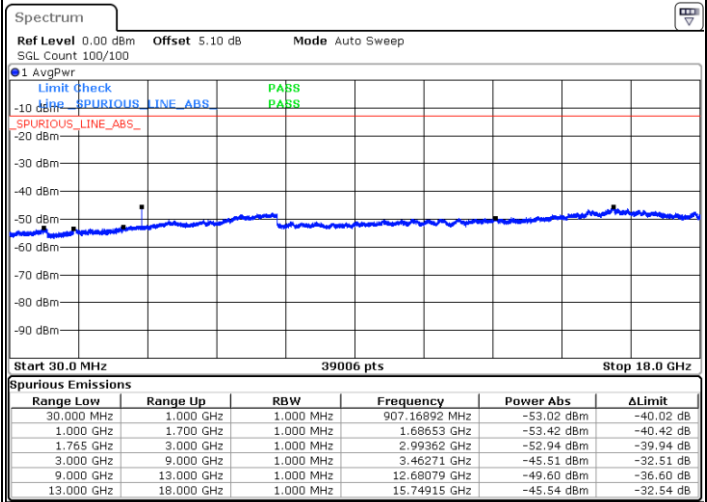
LTE Band 4 / 3MHz

Lowest Channel / QPSK



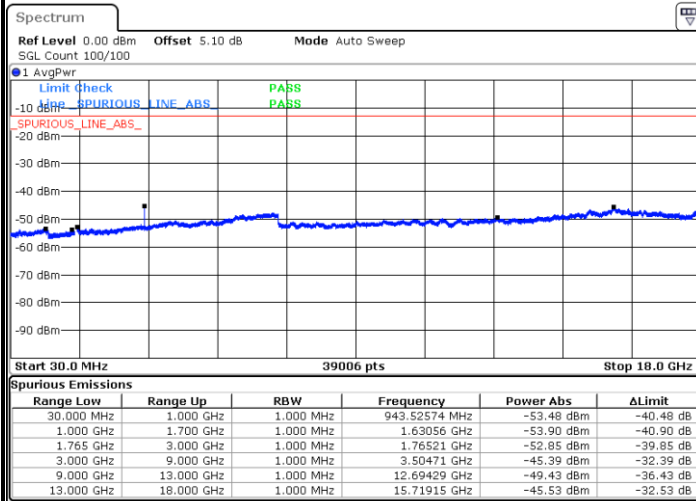
Date: 6.DEC.2020 01:45:25

Middle Channel / QPSK



Date: 6.DEC.2020 01:44:42

Highest Channel / QPSK

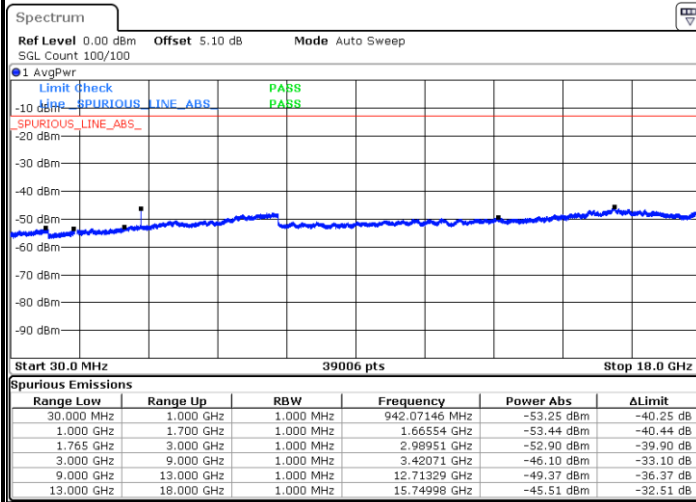


Date: 6.DEC.2020 01:50:52



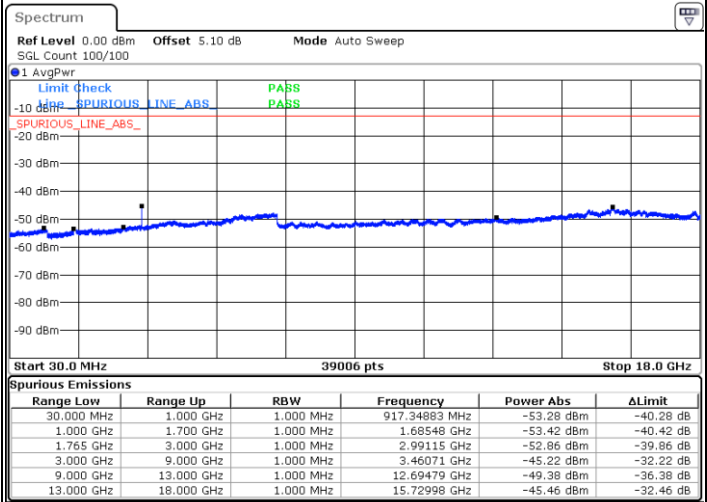
LTE Band 4 / 5MHz

Lowest Channel / QPSK



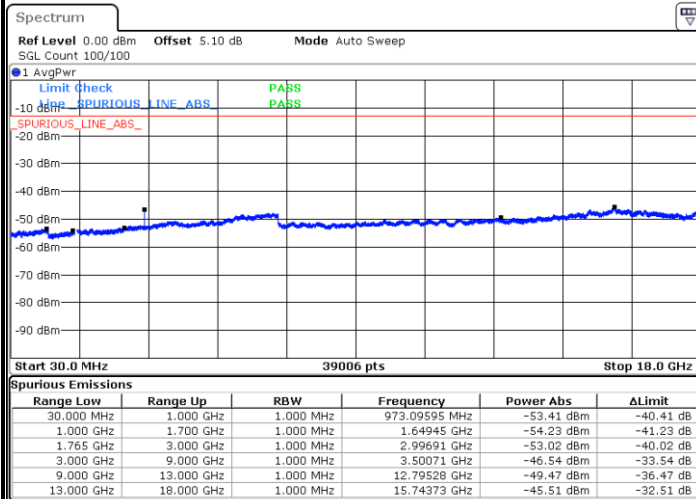
Date: 6.DEC.2020 01:38:27

Middle Channel / QPSK



Date: 6.DEC.2020 01:37:39

Highest Channel / QPSK

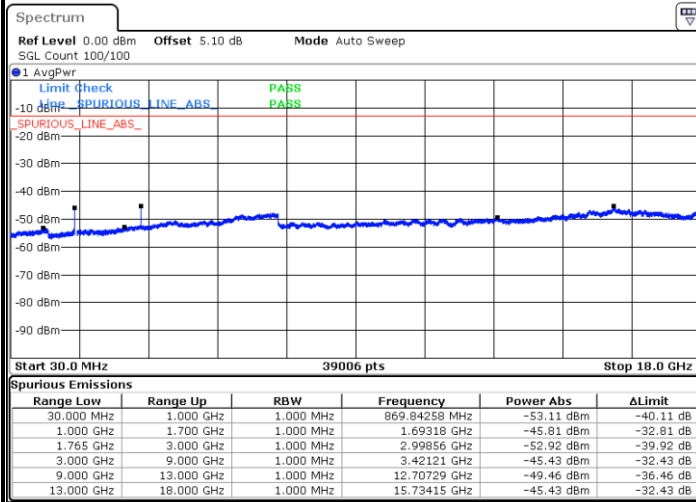


Date: 6.DEC.2020 01:41:37



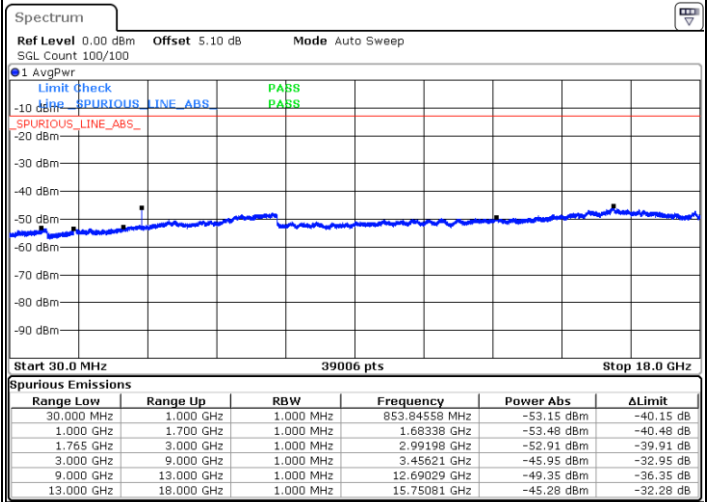
LTE Band 4 / 10MHz

Lowest Channel / QPSK



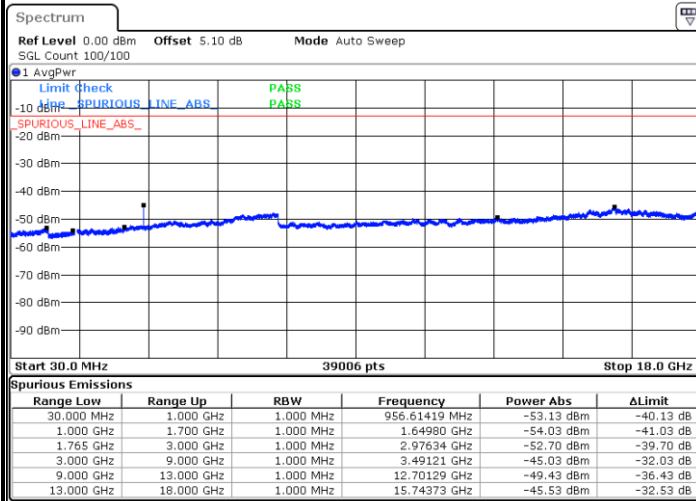
Date: 6.DEC.2020 01:26:23

Middle Channel / QPSK



Date: 6.DEC.2020 01:25:32

Highest Channel / QPSK



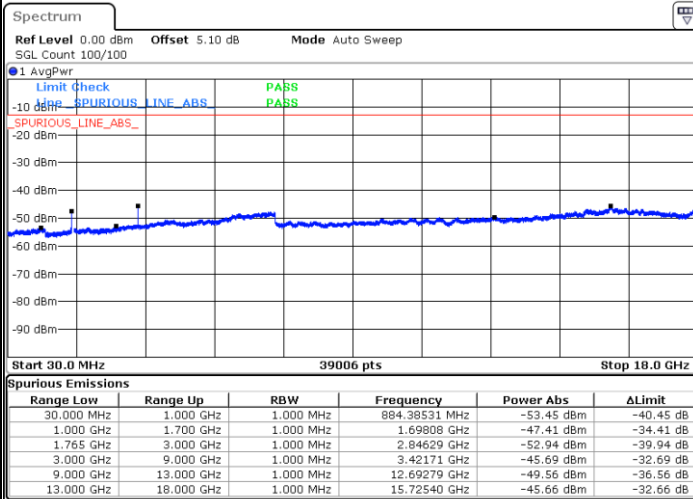
Date: 6.DEC.2020 01:35:16



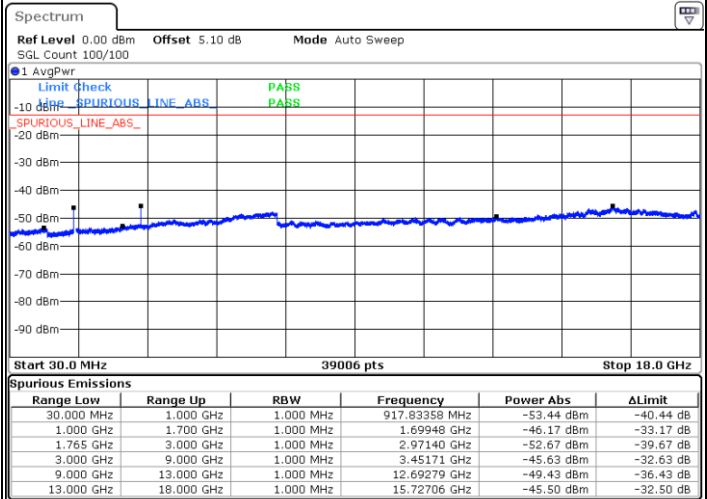
LTE Band 4 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

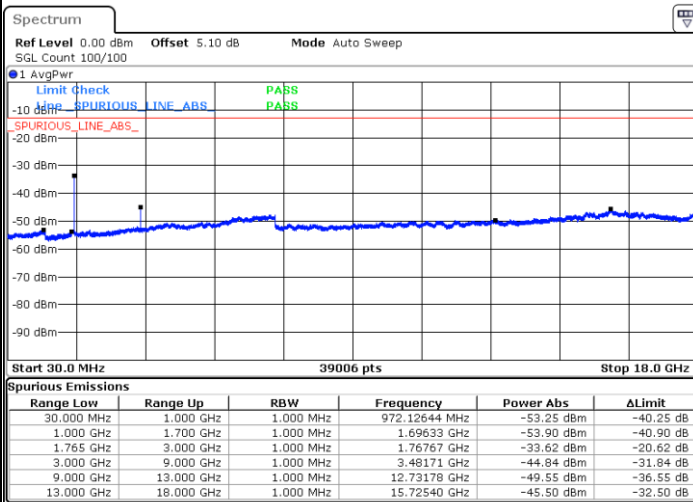


Date: 6.DEC.2020 01:20:47



Date: 6.DEC.2020 01:19:27

Highest Channel / QPSK



Date: 6.DEC.2020 01:22:58