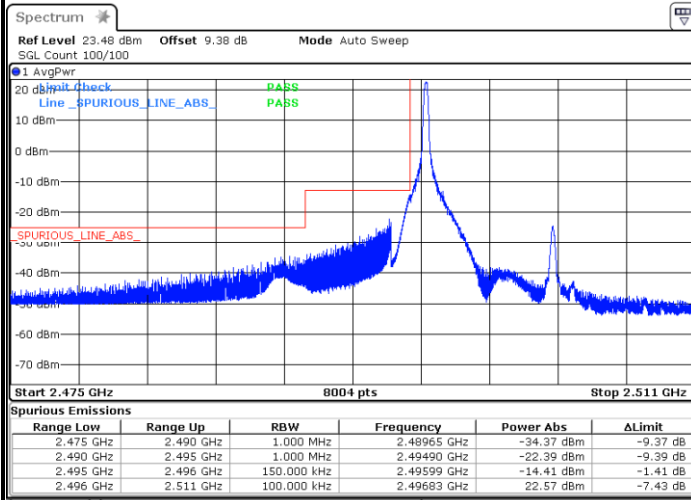


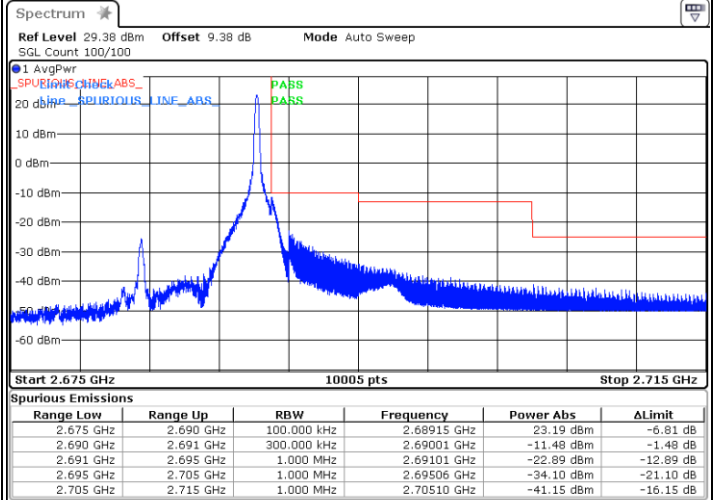


LTE Band 41 / 15MHz / QPSK

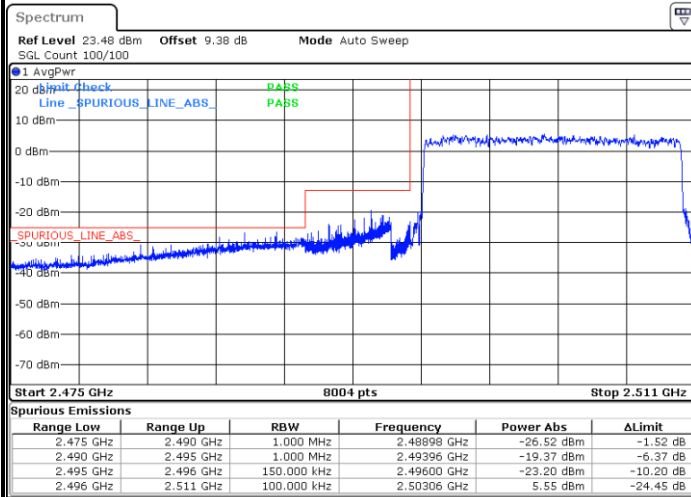
Lowest Band Edge / 1 RB



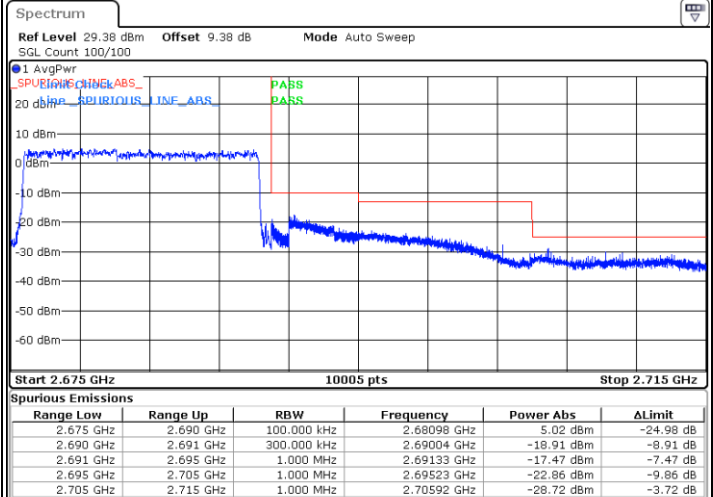
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



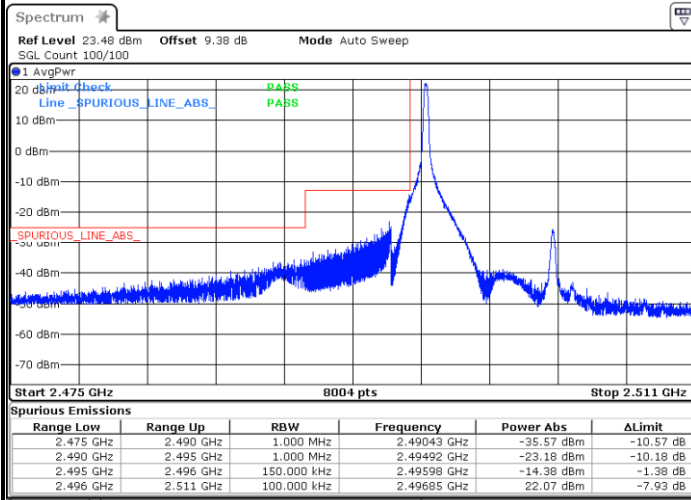
Highest Band Edge / Full RB



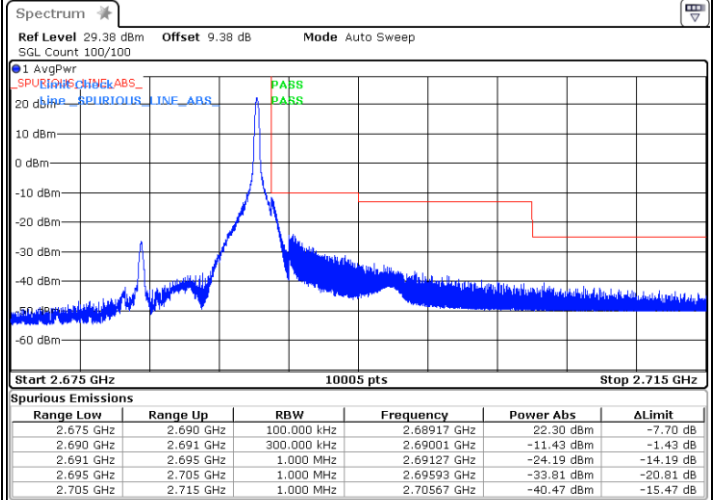


LTE Band 41 / 15MHz / 16QAM

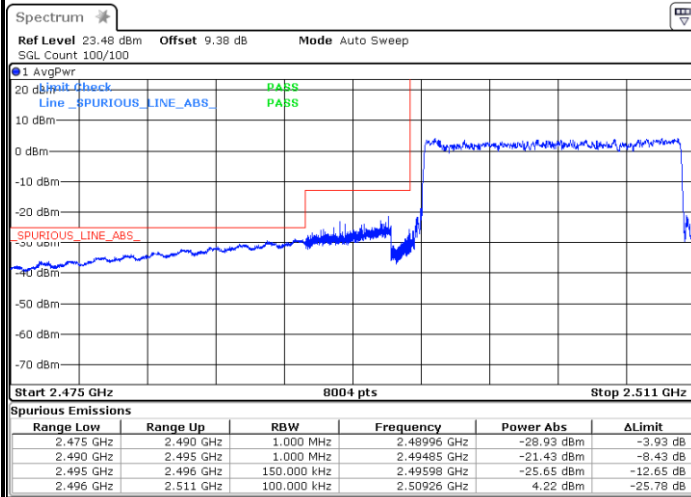
Lowest Band Edge / 1 RB



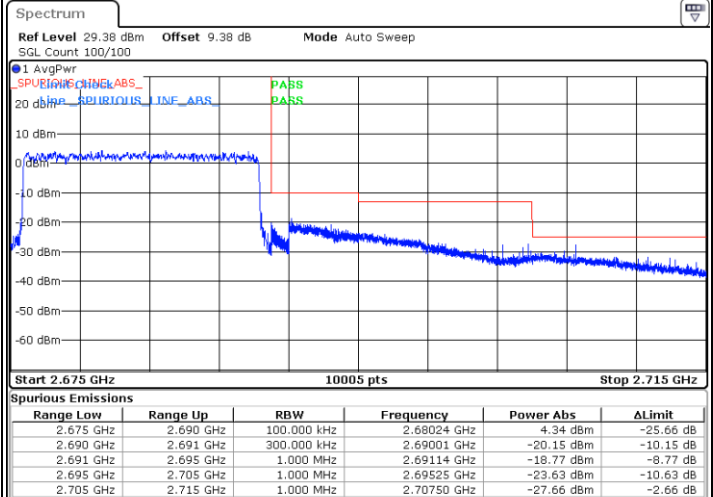
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



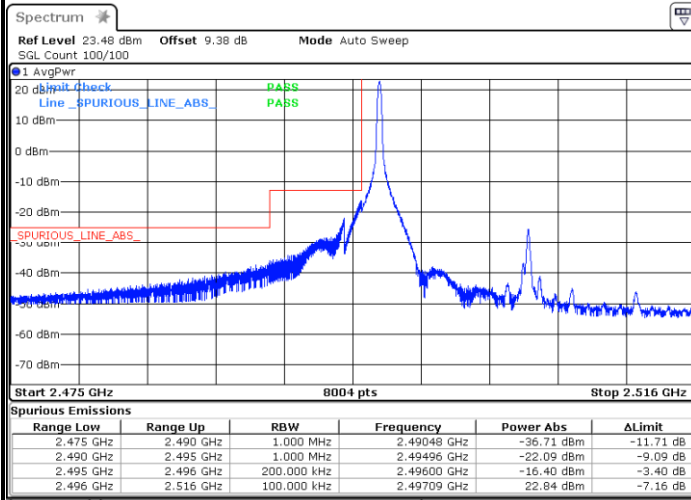
Highest Band Edge / Full RB



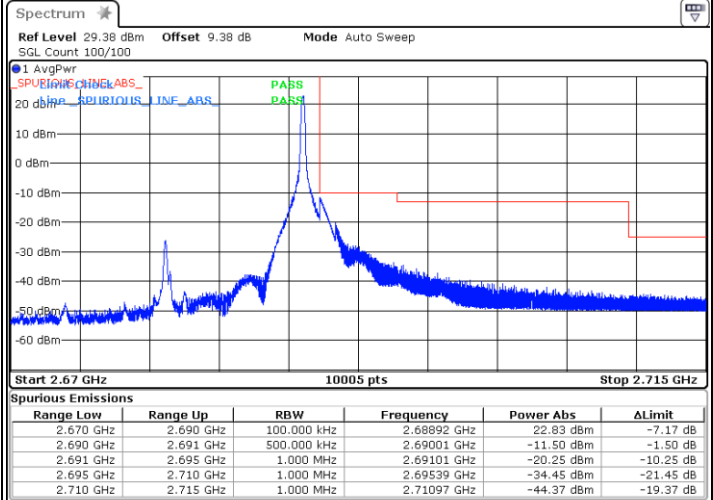


LTE Band 41 / 20MHz / QPSK

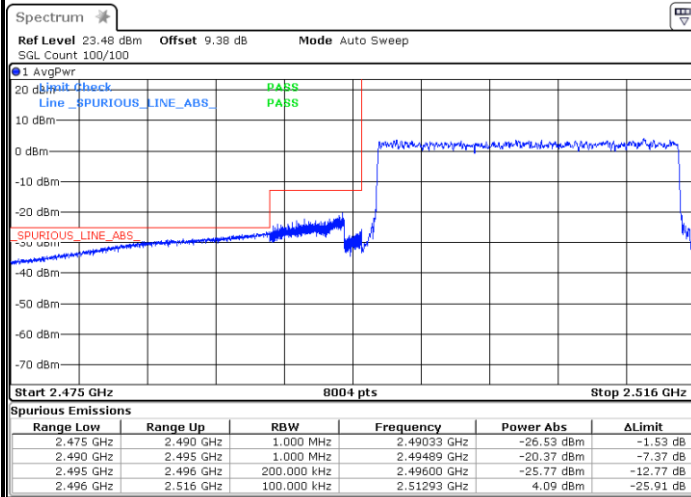
Lowest Band Edge / 1 RB



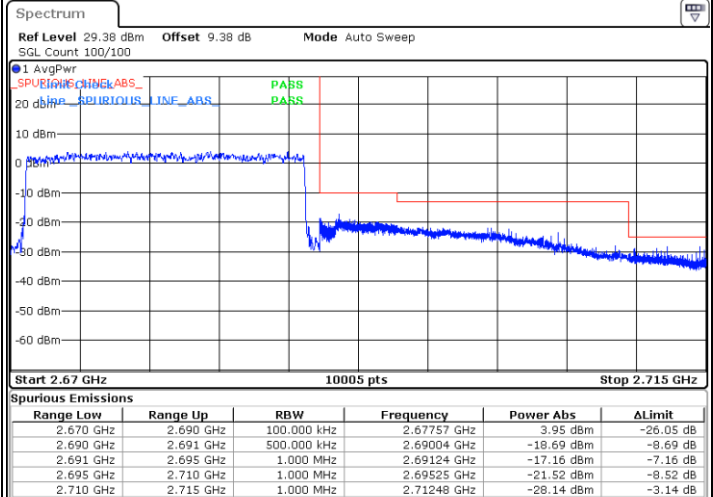
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



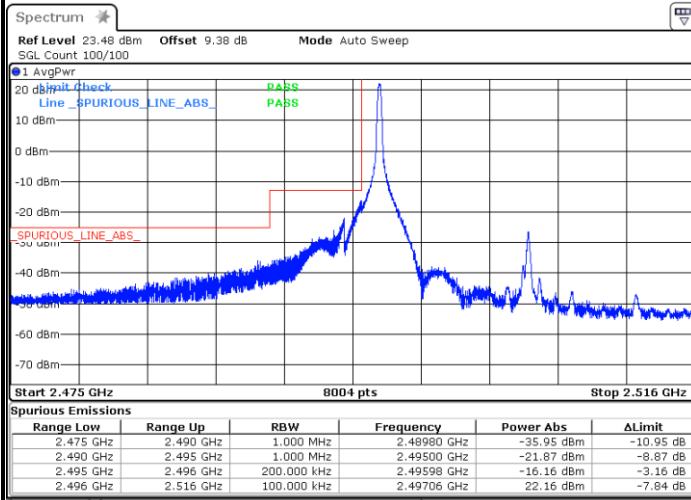
Highest Band Edge / Full RB



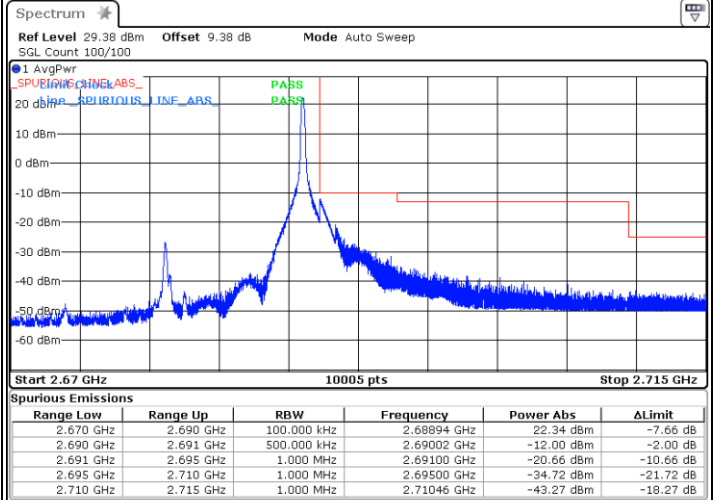


LTE Band 41 / 20MHz / 16QAM

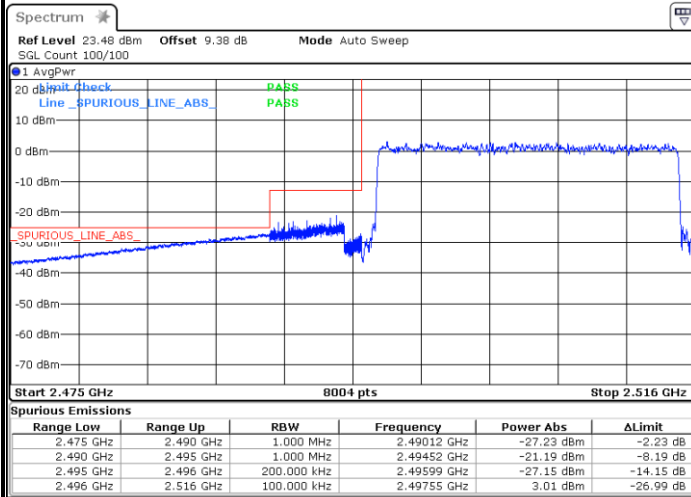
Lowest Band Edge / 1 RB



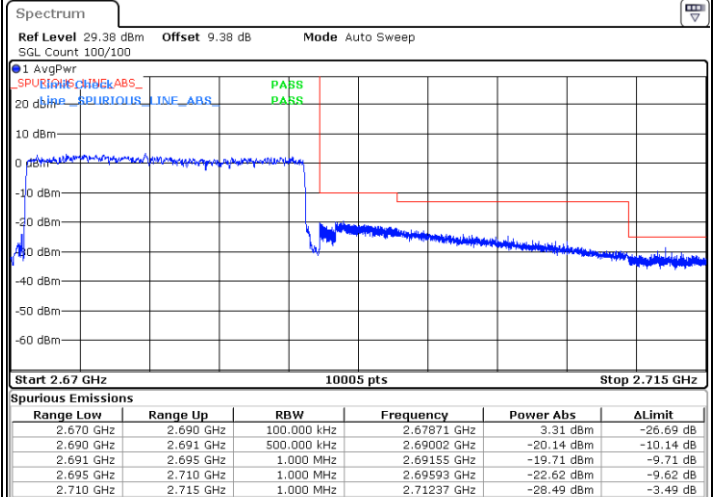
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

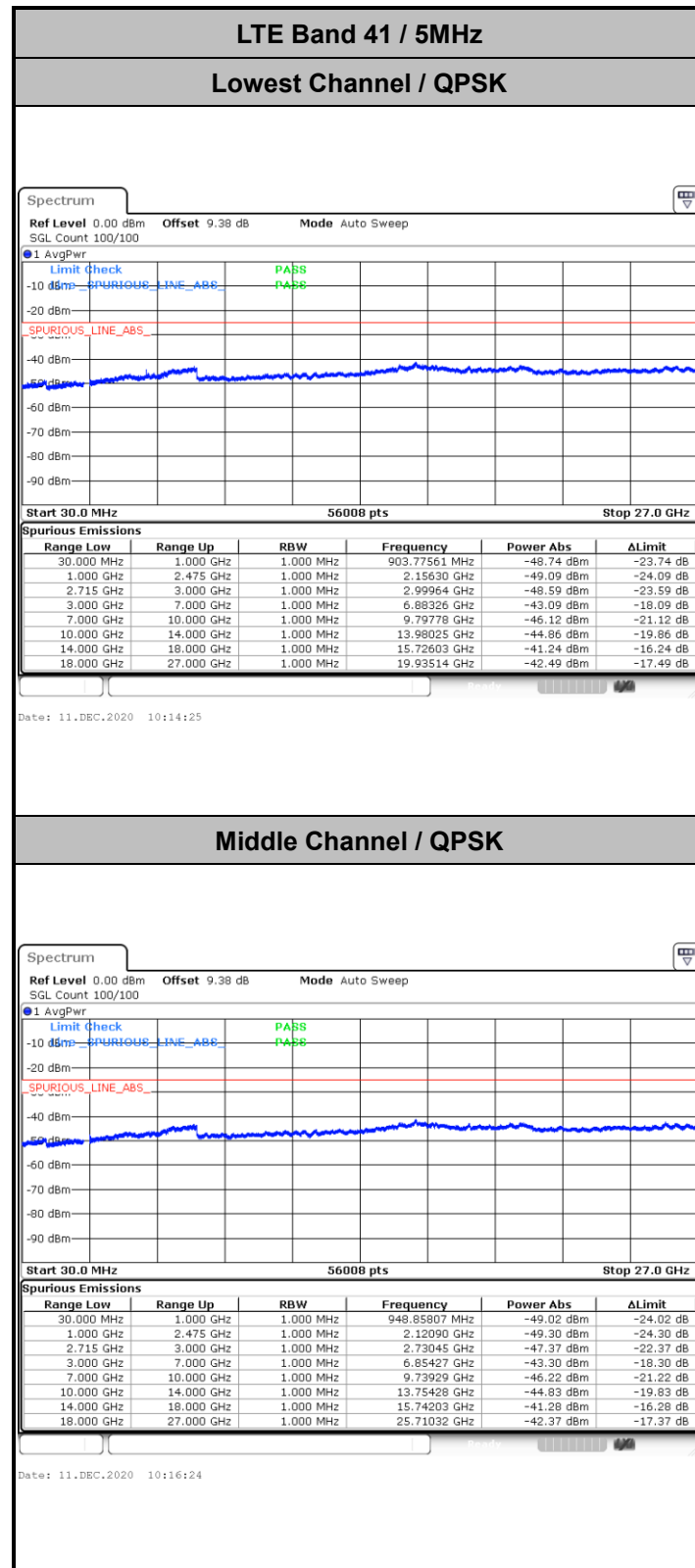


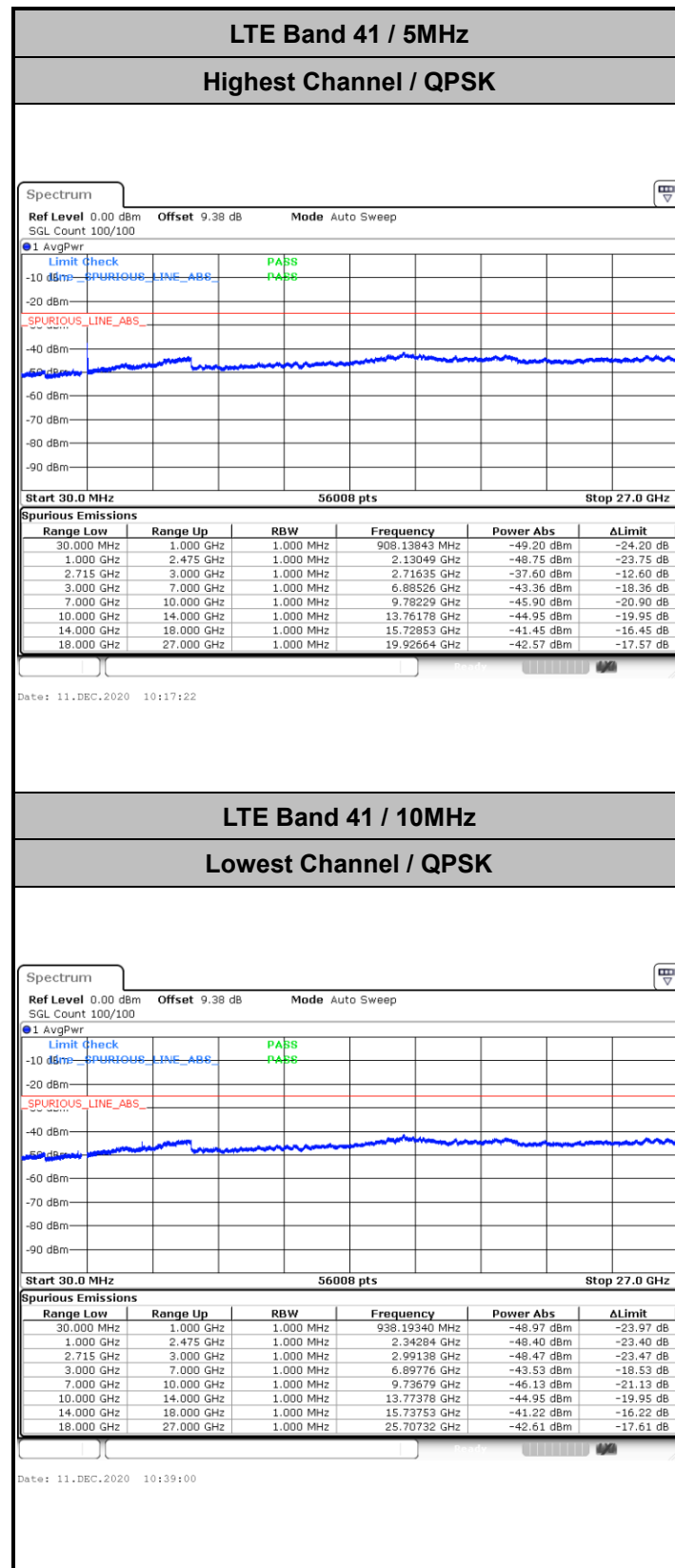
Highest Band Edge / Full RB

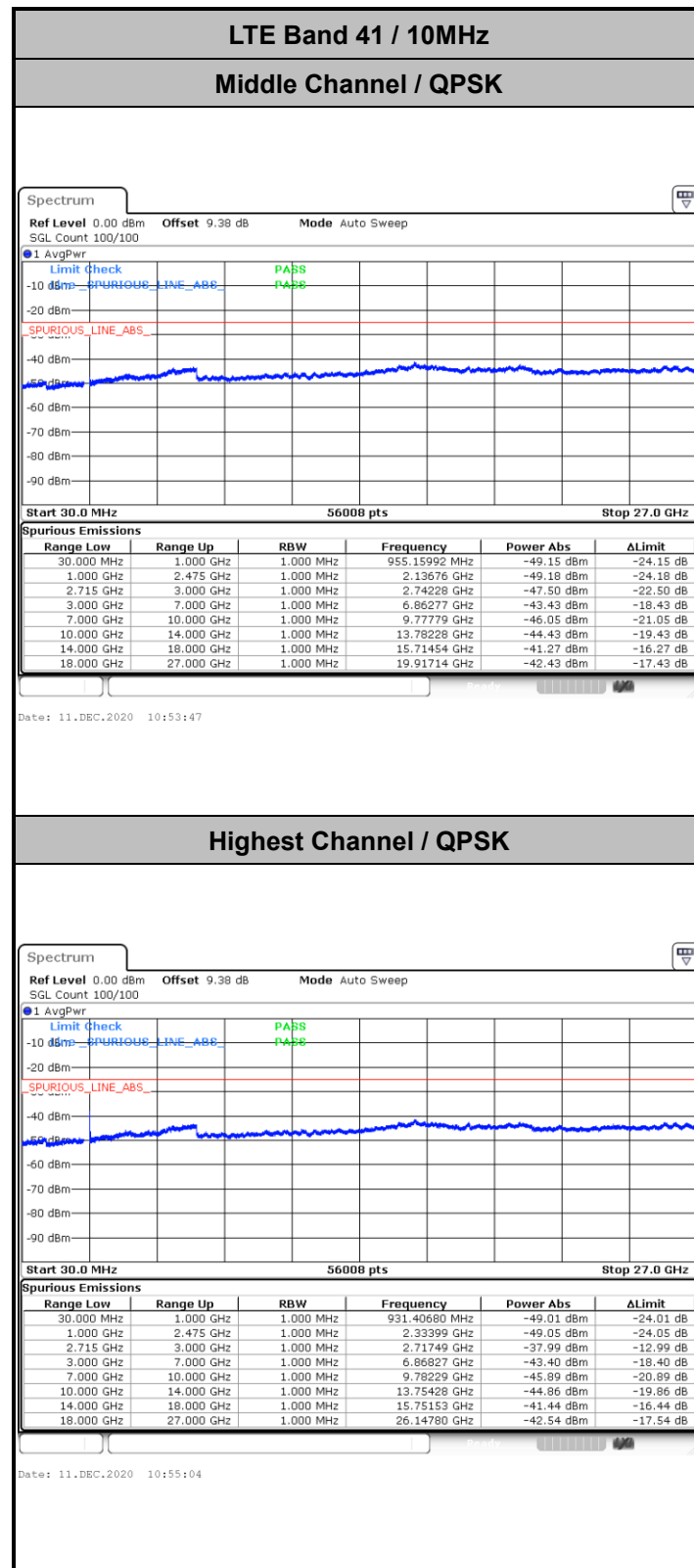


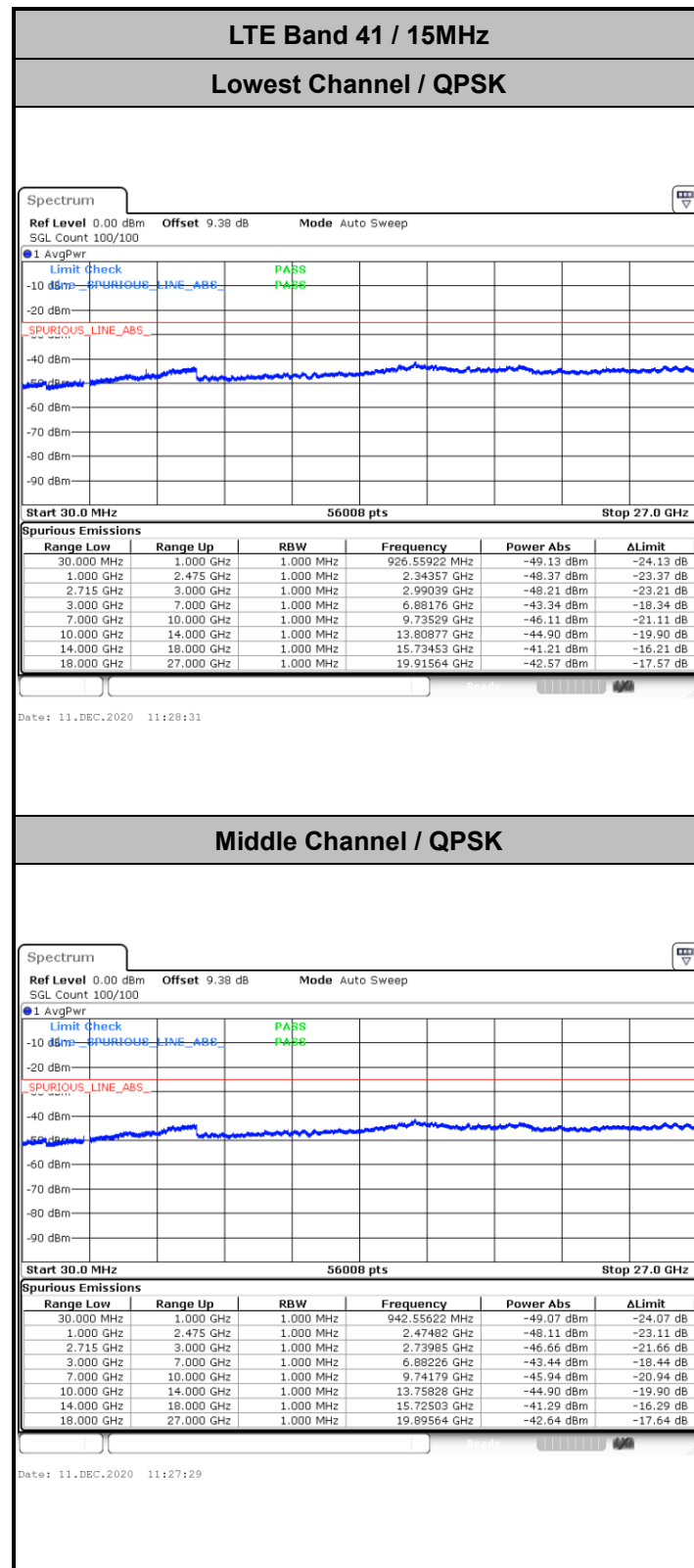


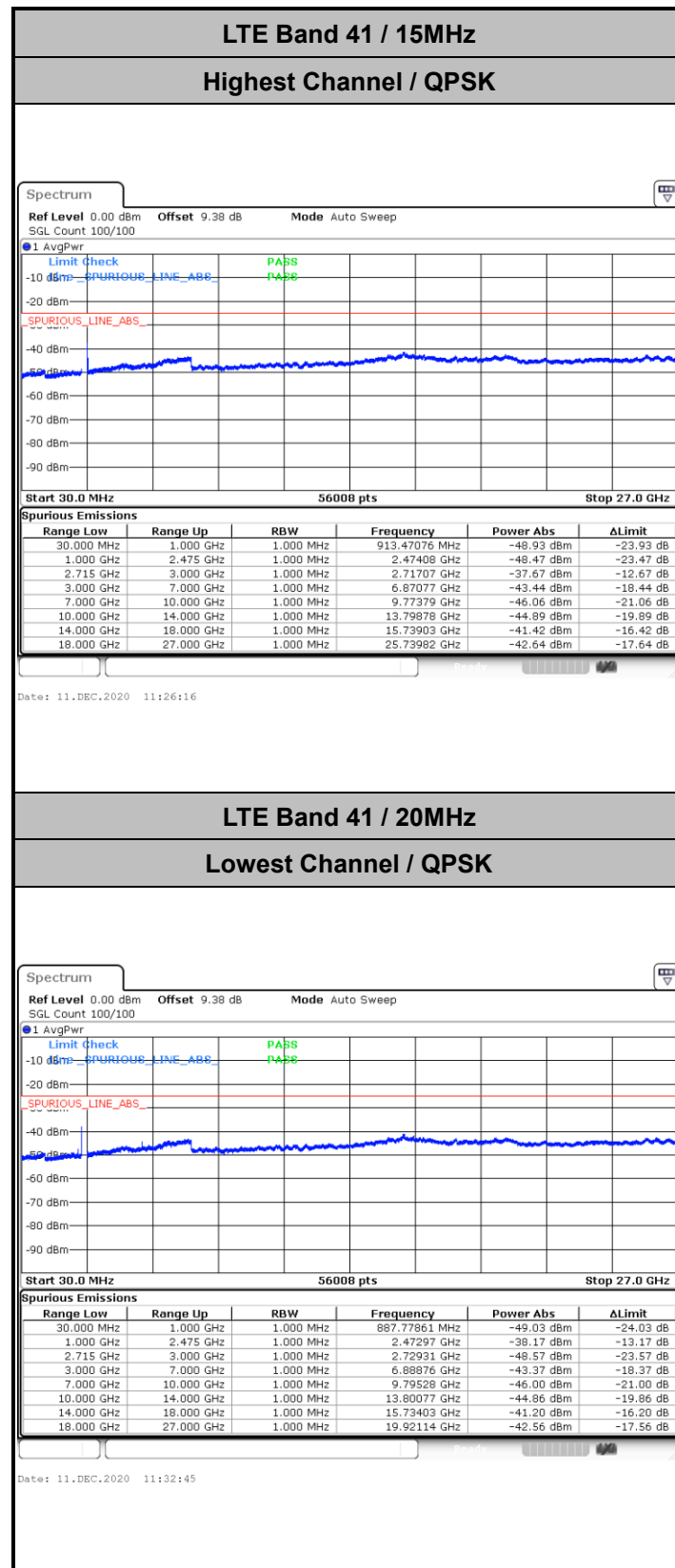
Conducted Spurious Emission

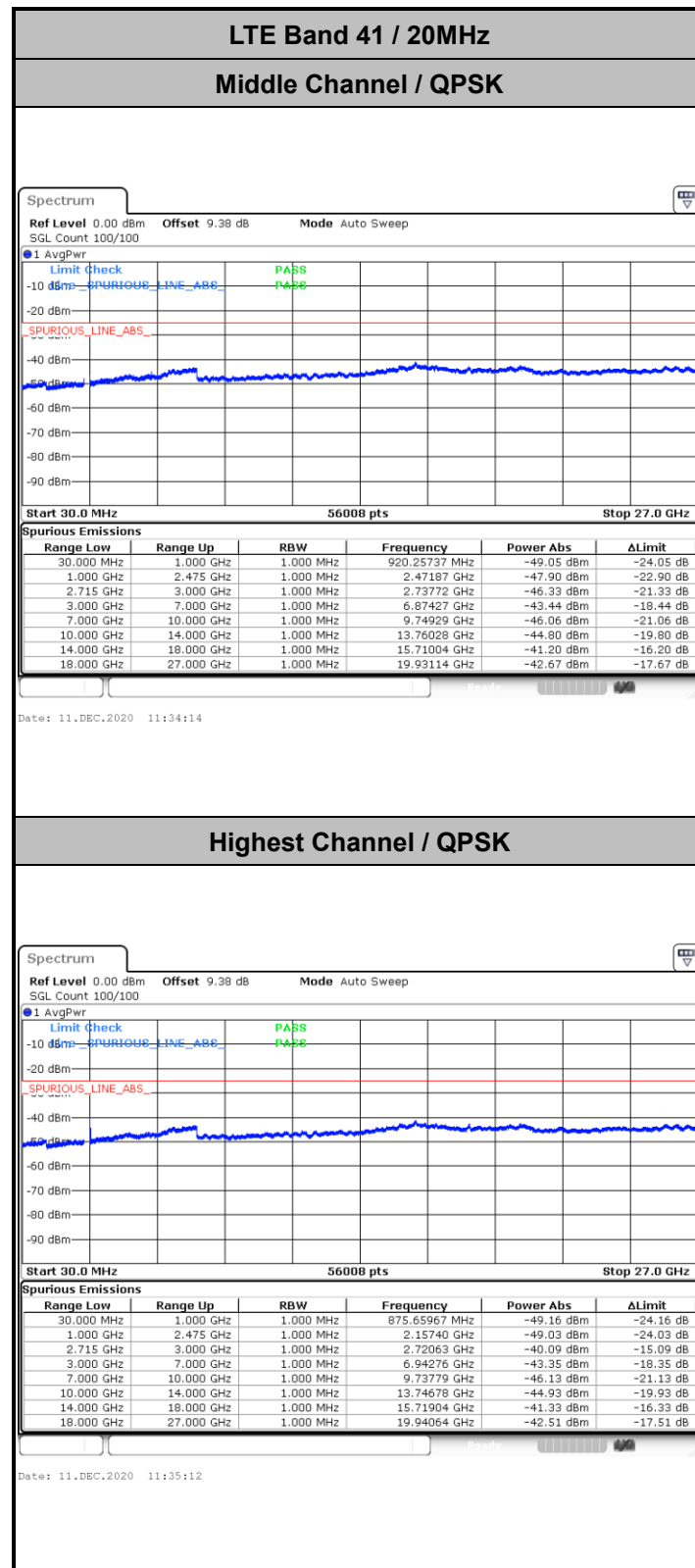












**Frequency Stability**

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0015	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0020	
20	Battery End Point	0.0014	

Note:

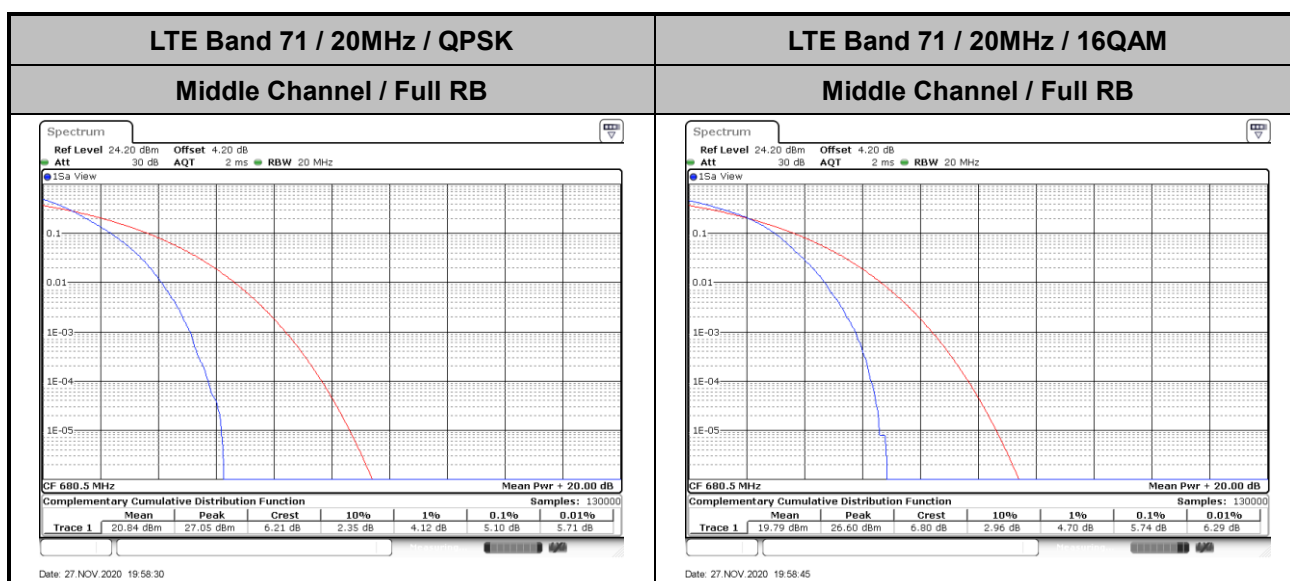
1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.135 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 71

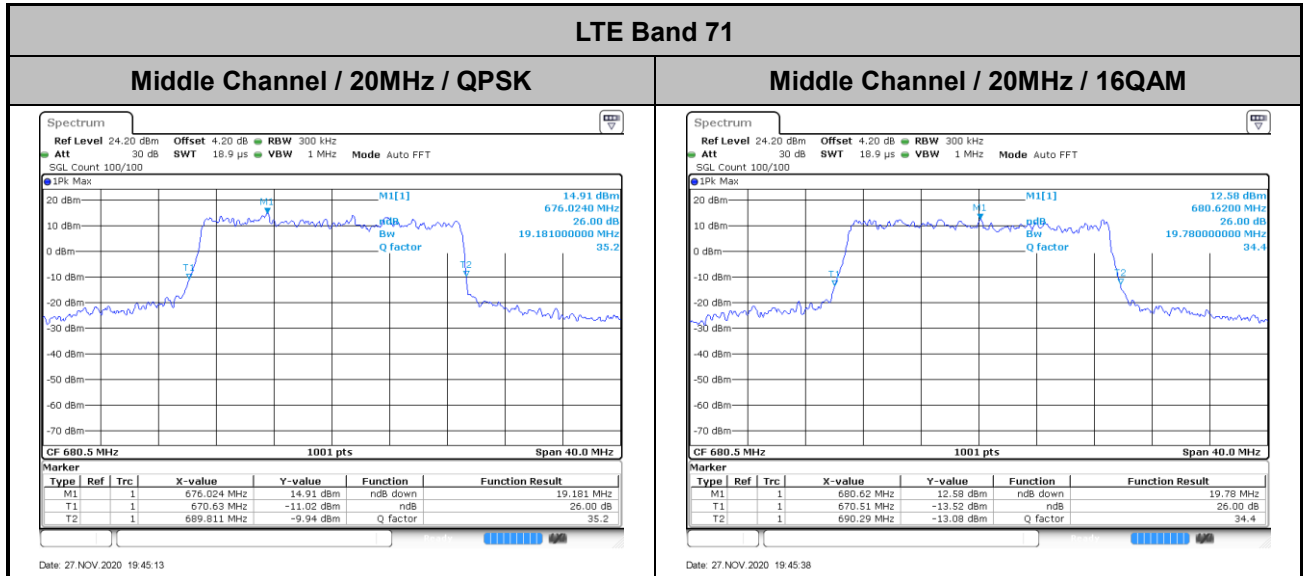
Peak-to-Average Ratio

Mode	LTE Band 71 / 20MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	5.10	5.74	PASS



**26dB Bandwidth**

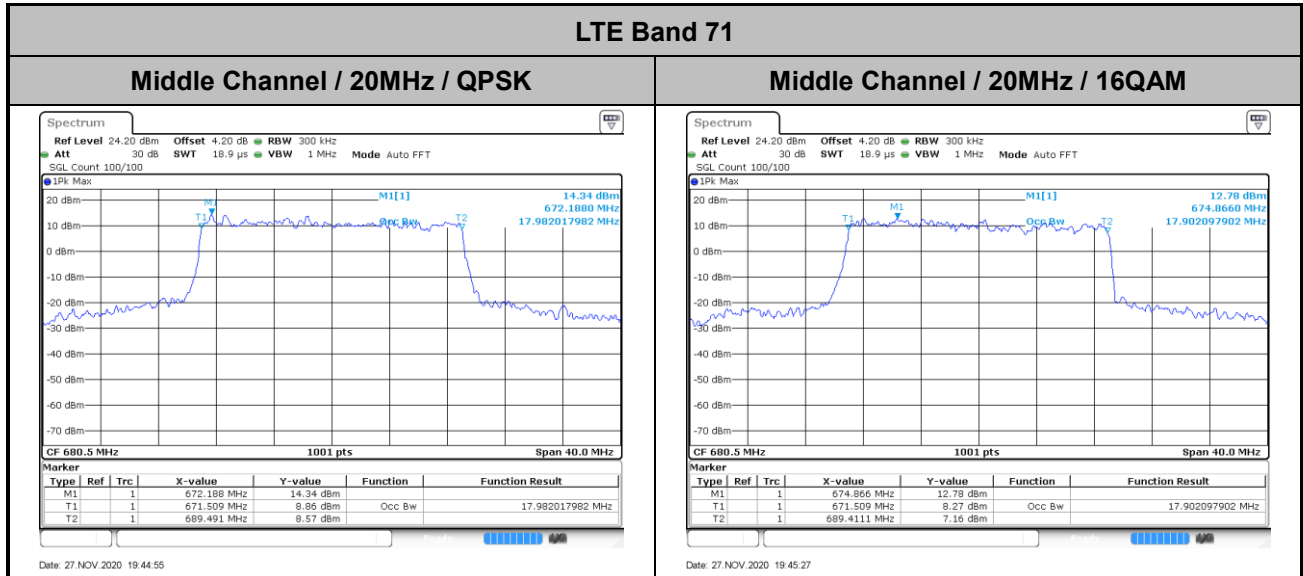
Mode	LTE Band 71 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.18	19.78

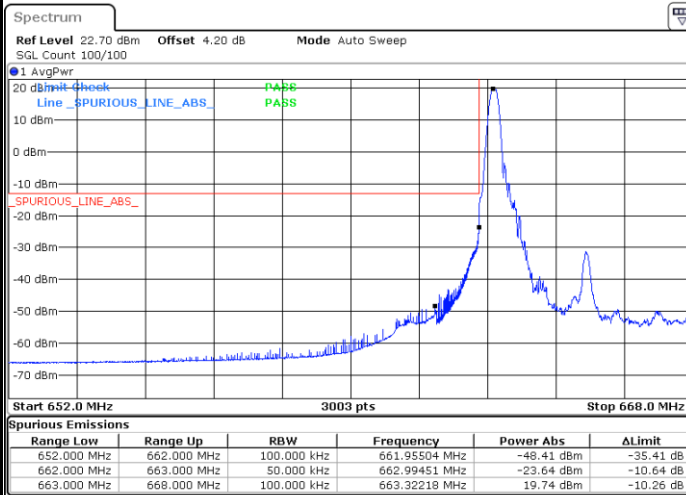
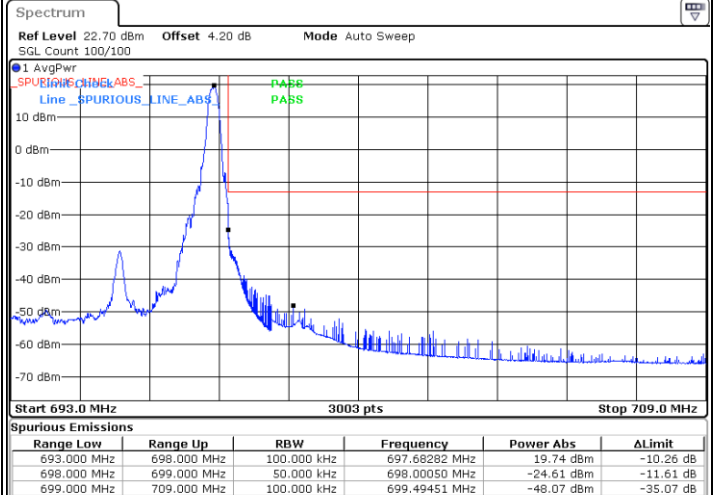
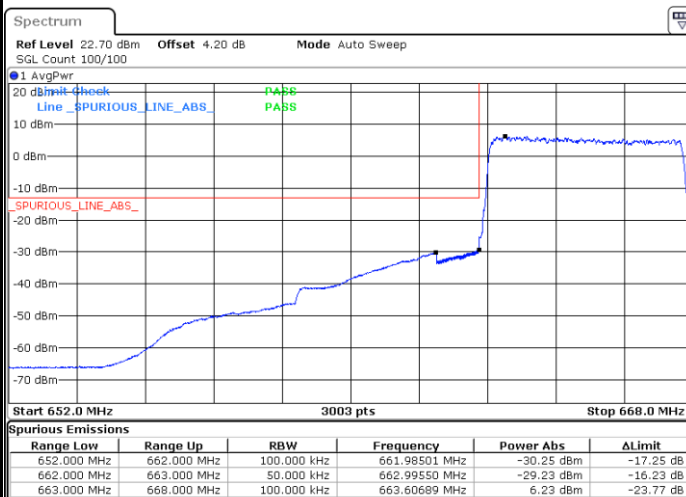
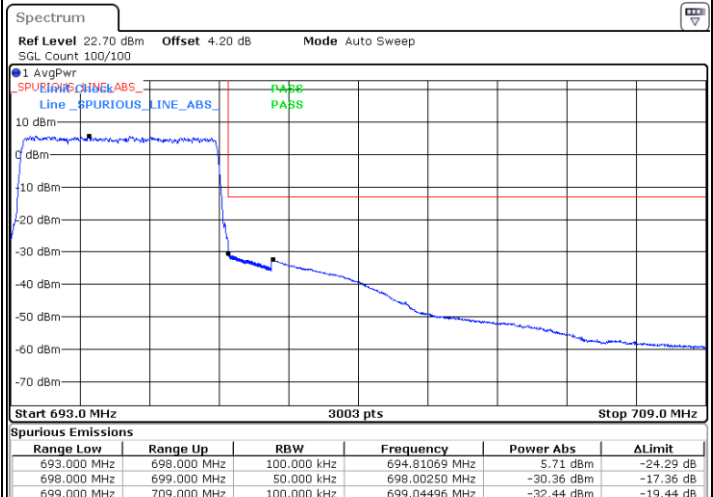




Occupied Bandwidth

Mode	LTE Band 71 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.98	17.90

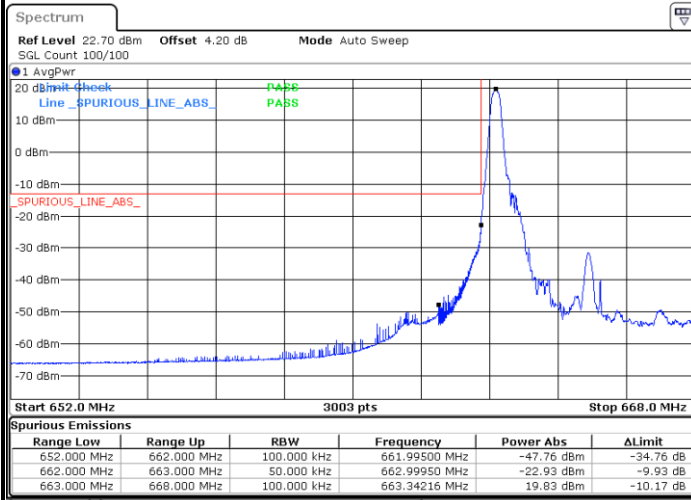


**Conducted Band Edge****LTE Band 71 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

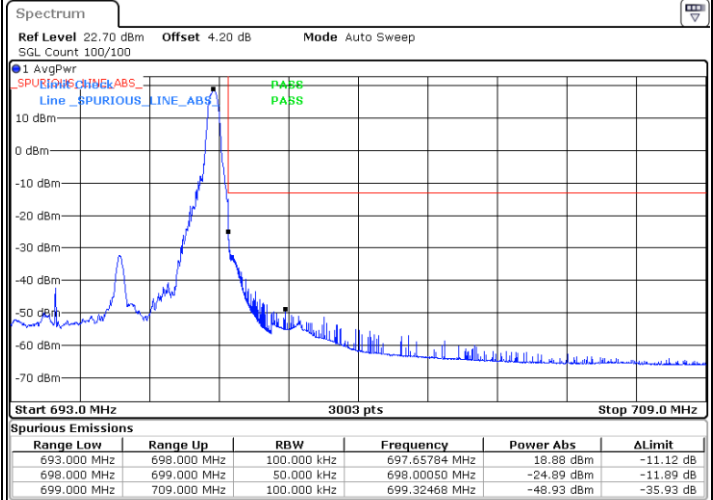


LTE Band 71 / 5MHz / 16QAM

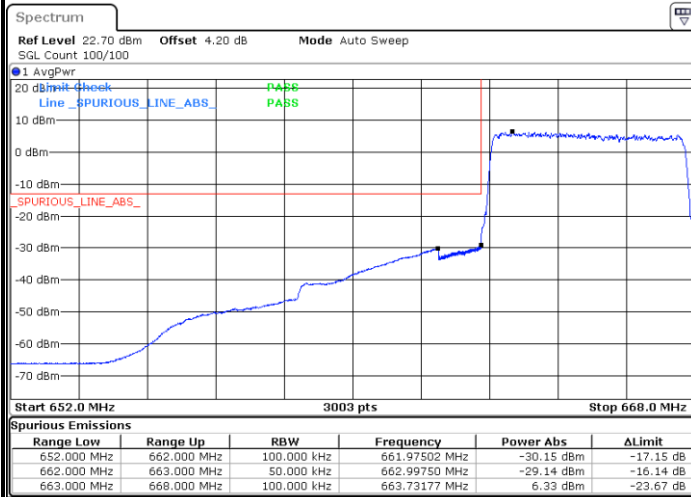
Lowest Band Edge / 1 RB



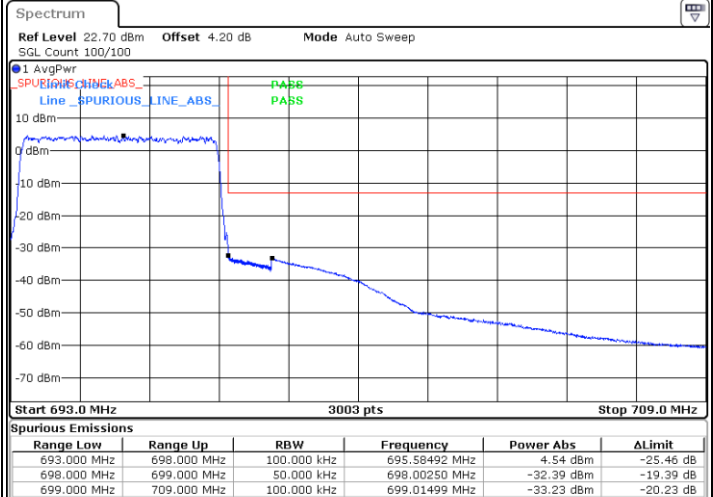
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



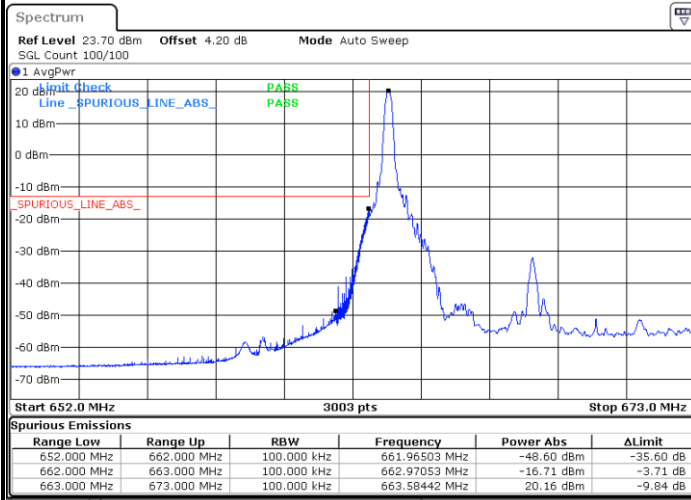
Highest Band Edge / Full RB



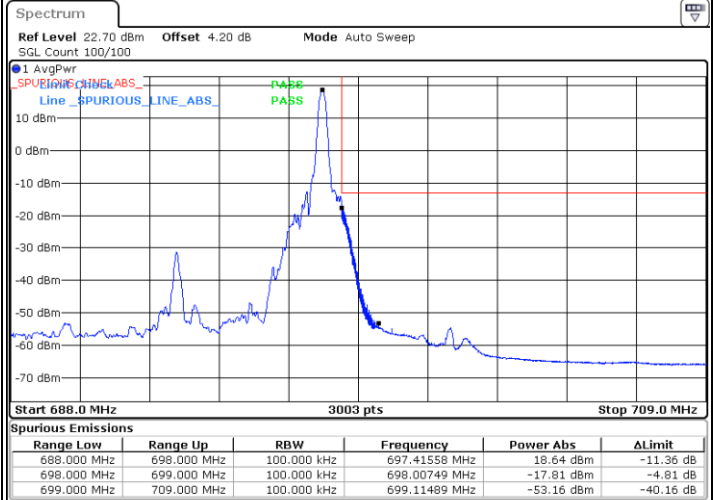


LTE Band 71 / 10MHz / QPSK

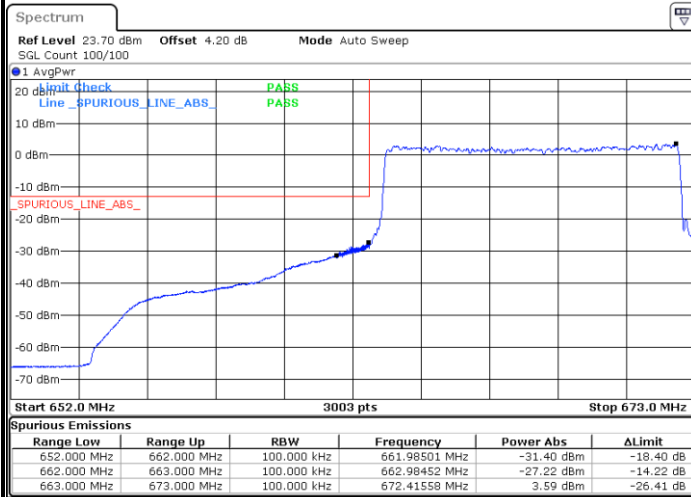
Lowest Band Edge / 1 RB



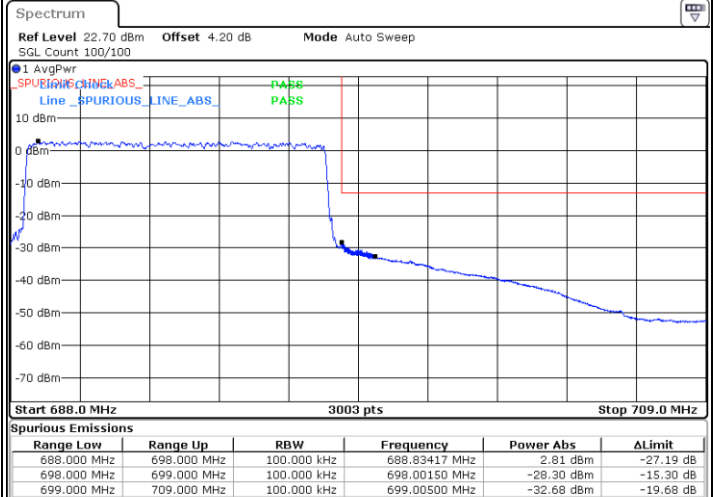
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



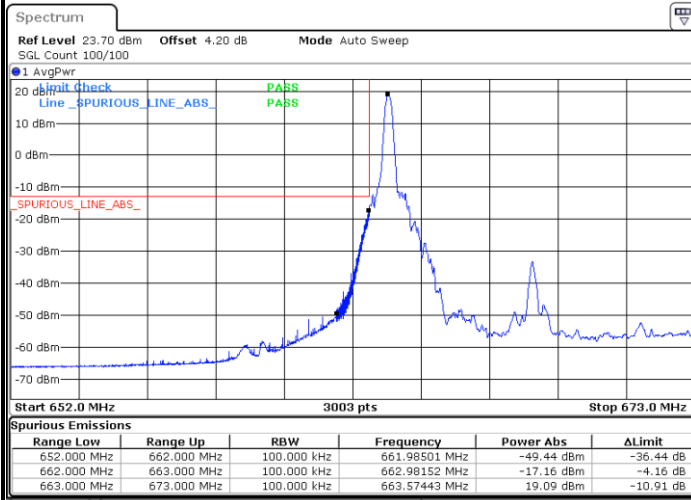
Highest Band Edge / Full RB



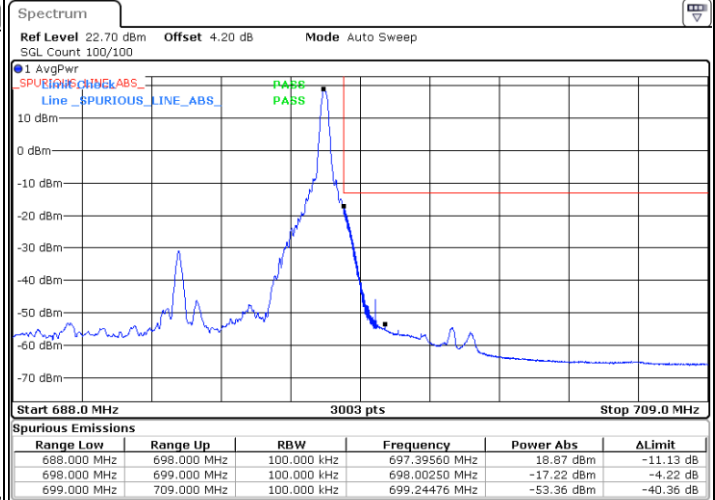


LTE Band 71 / 10MHz / 16QAM

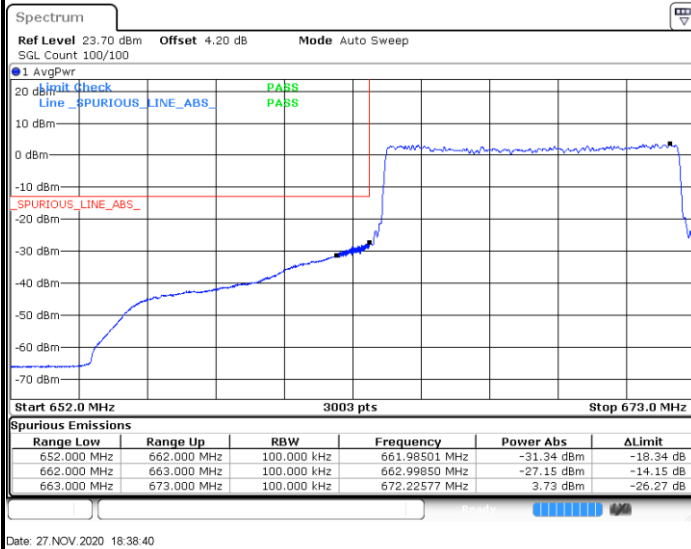
Lowest Band Edge / 1 RB



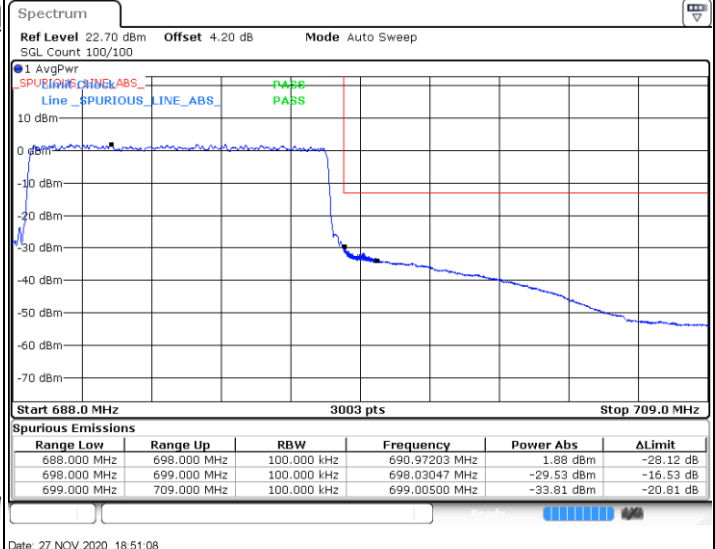
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



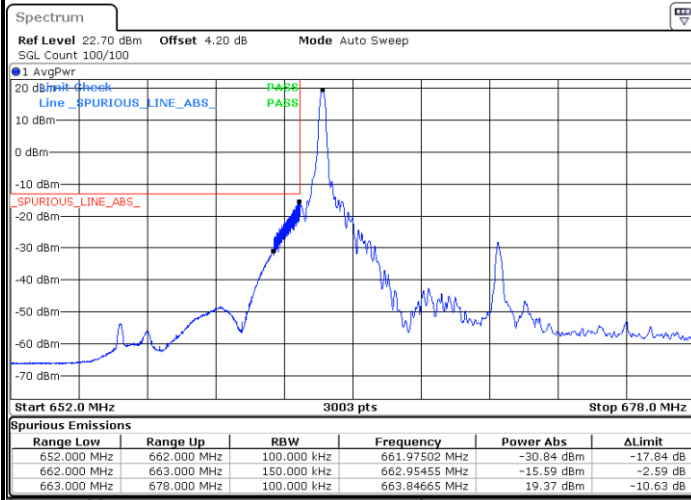
Highest Band Edge / Full RB



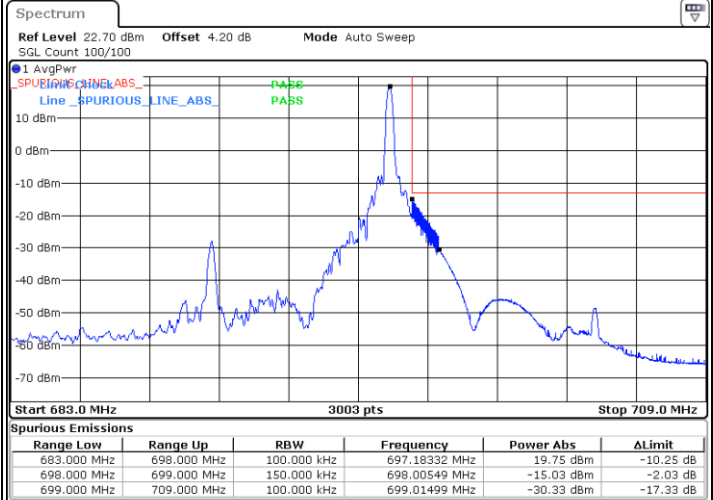


LTE Band 71 / 15MHz / QPSK

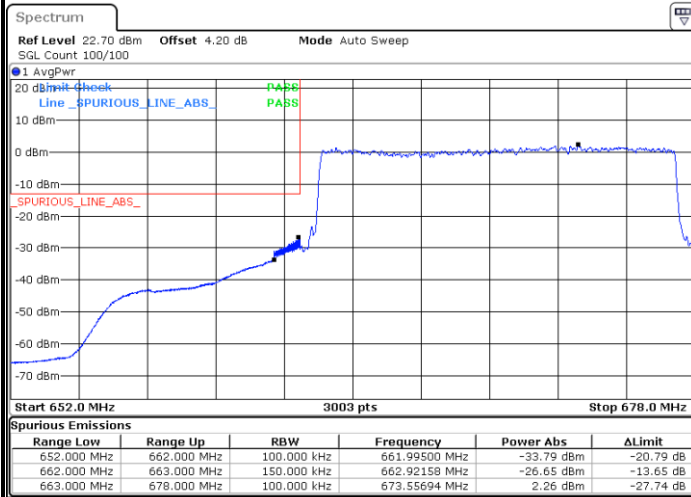
Lowest Band Edge / 1 RB



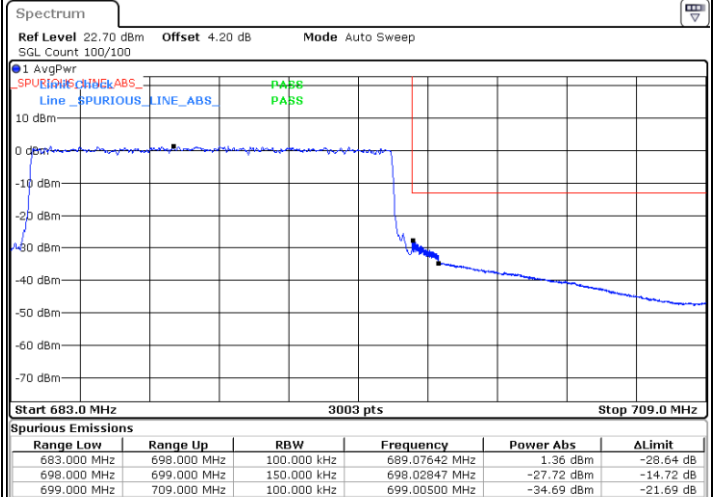
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



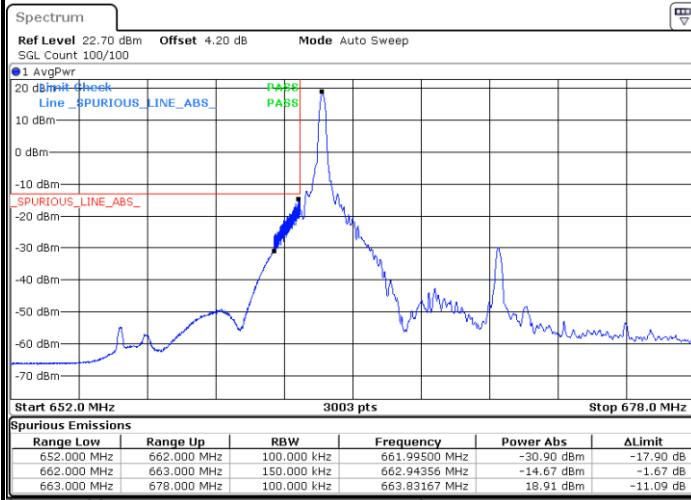
Highest Band Edge / Full RB



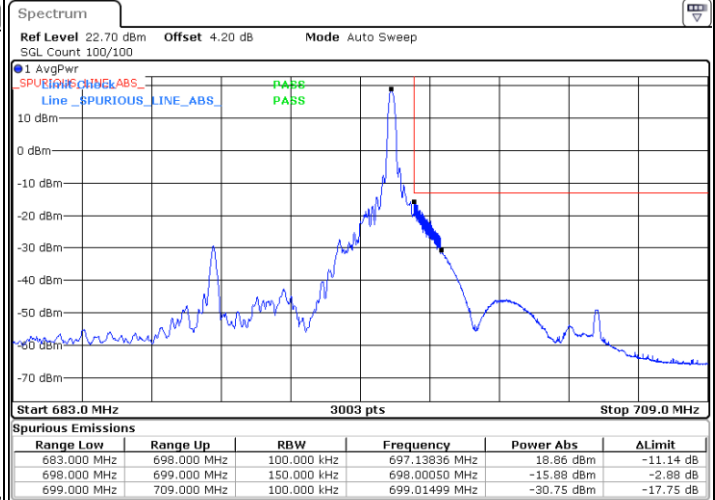


LTE Band 71 / 15MHz / 16QAM

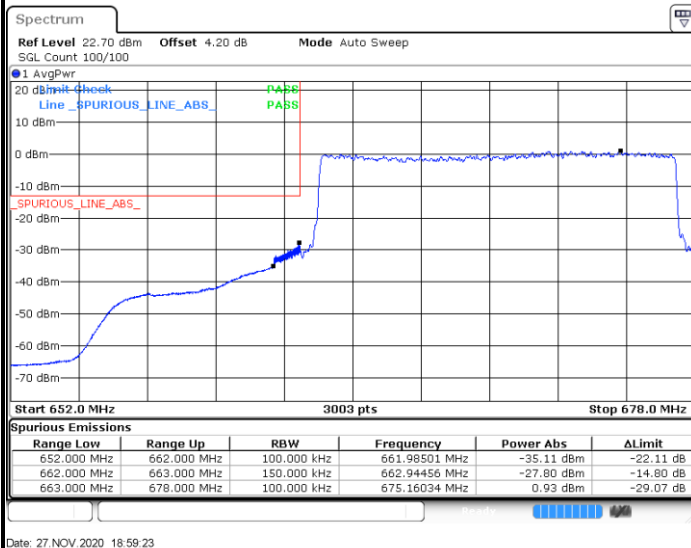
Lowest Band Edge / 1 RB



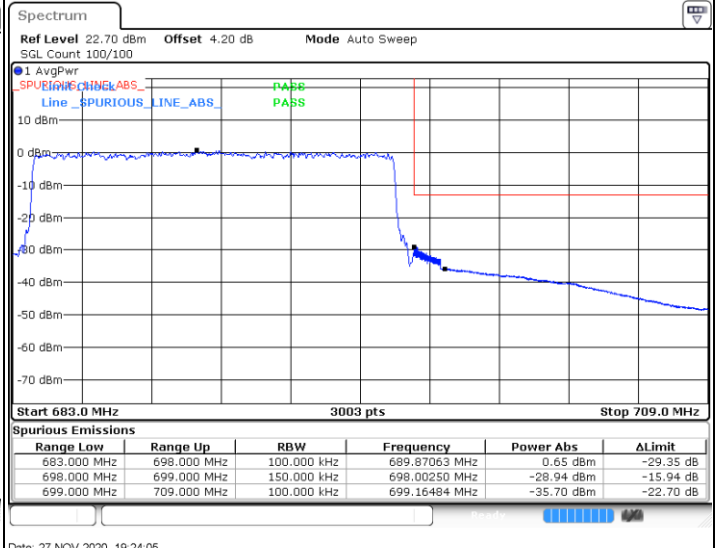
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



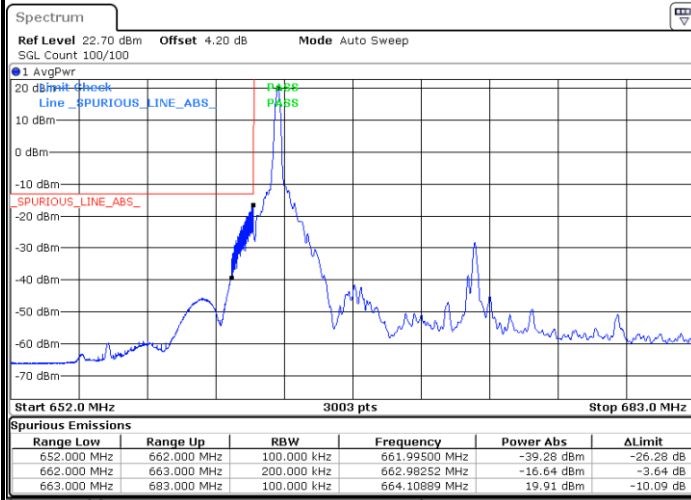
Highest Band Edge / Full RB



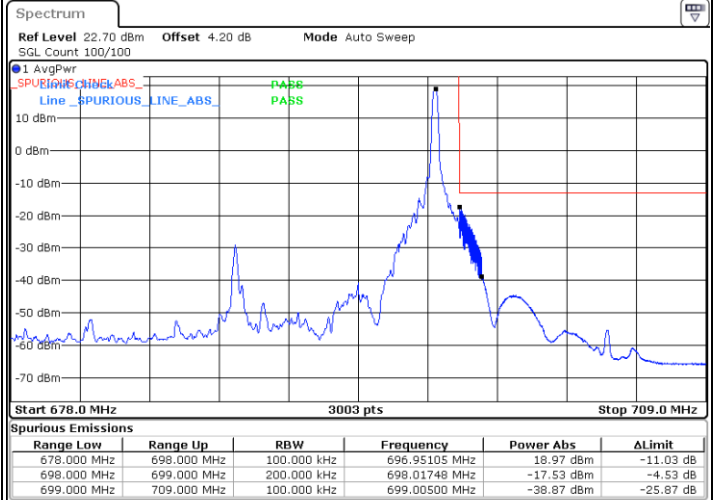


LTE Band 71 / 20MHz / QPSK

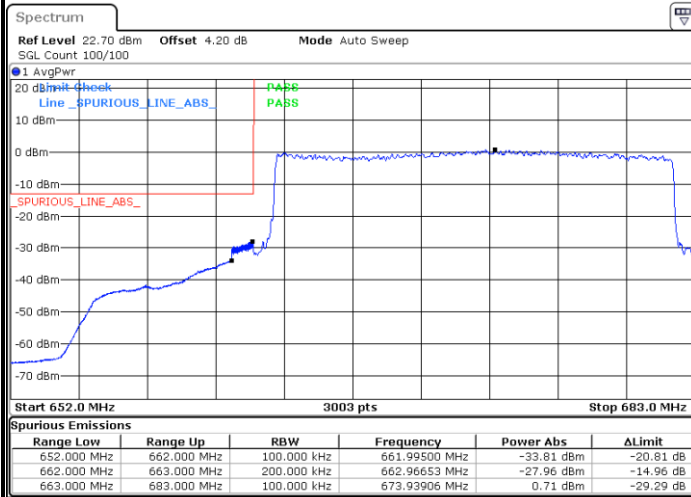
Lowest Band Edge / 1 RB



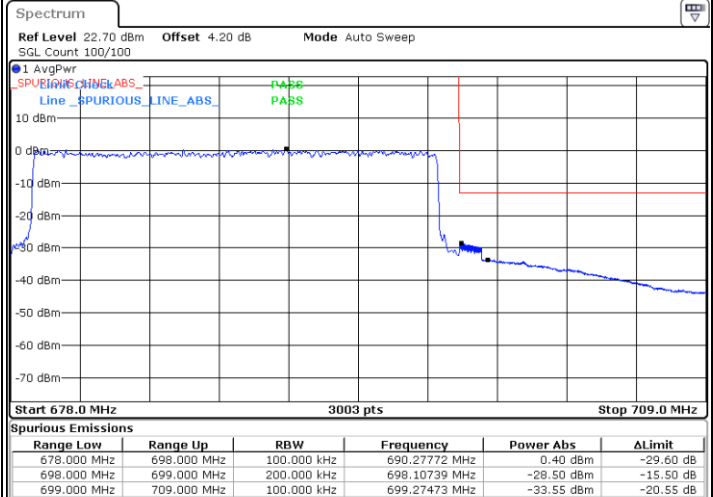
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



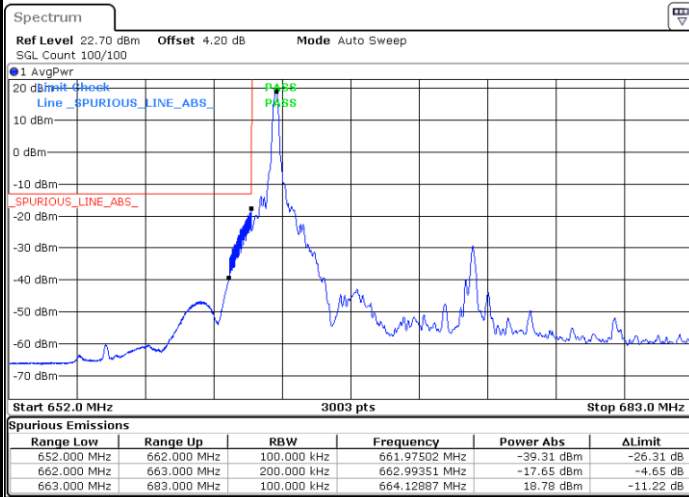
Highest Band Edge / Full RB





LTE Band 71 / 20MHz / 16QAM

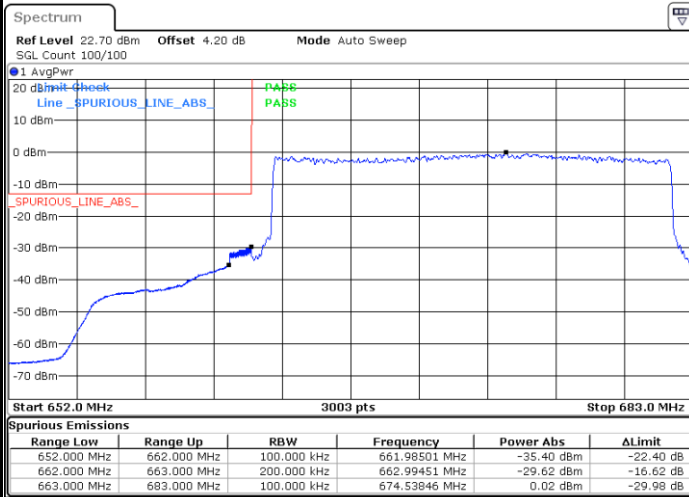
Lowest Band Edge / 1 RB



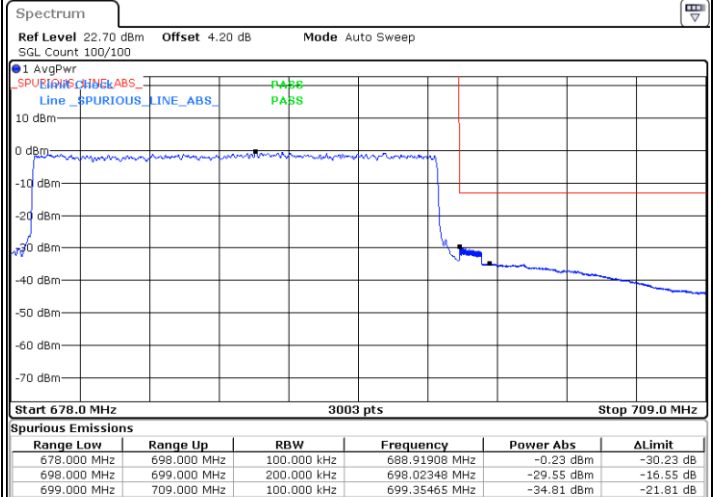
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

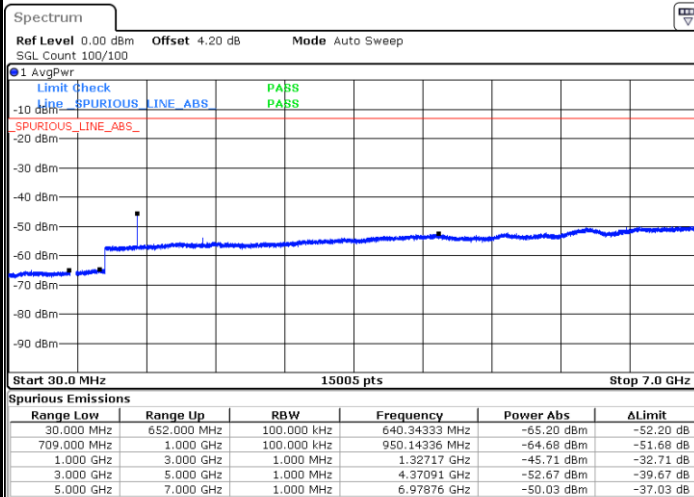




Conducted Spurious Emission

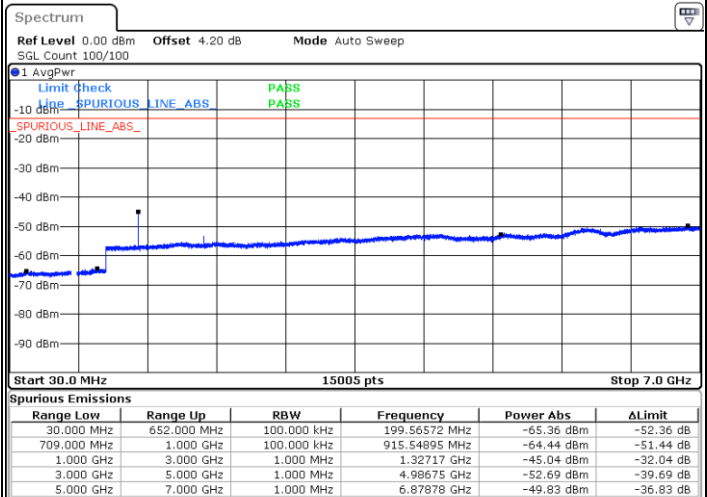
LTE Band 71 / 5MHz

Lowest Channel / QPSK



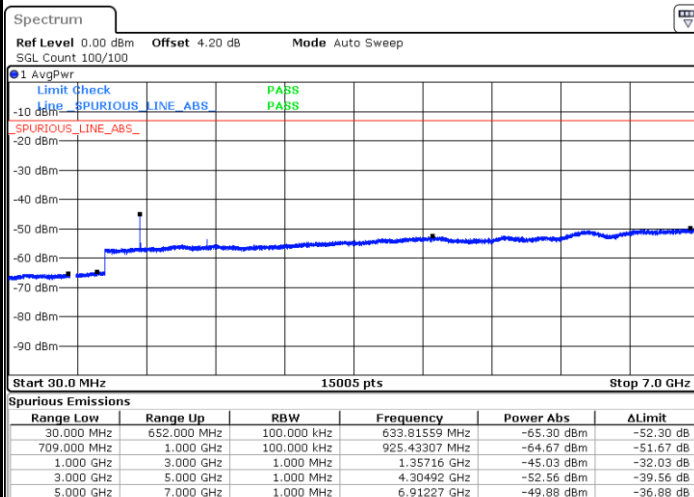
Date: 27.NOV.2020 18:20:12

Lowest Channel / 16QAM



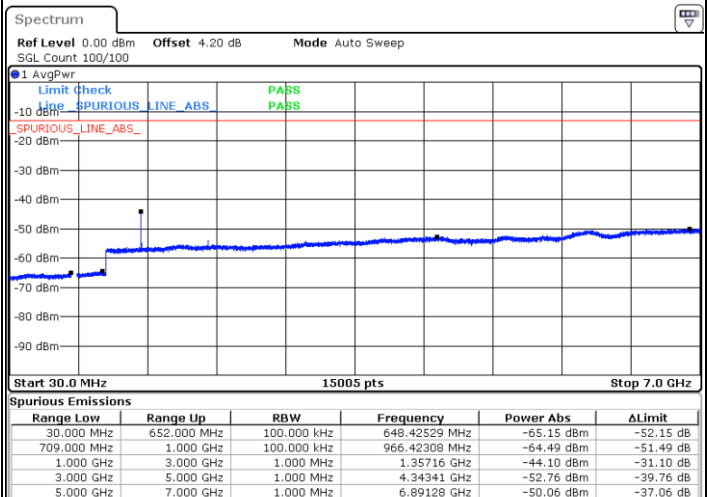
Date: 27.NOV.2020 18:19:02

Middle Channel / QPSK



Date: 27.NOV.2020 18:20:58

Middle Channel / 16QAM

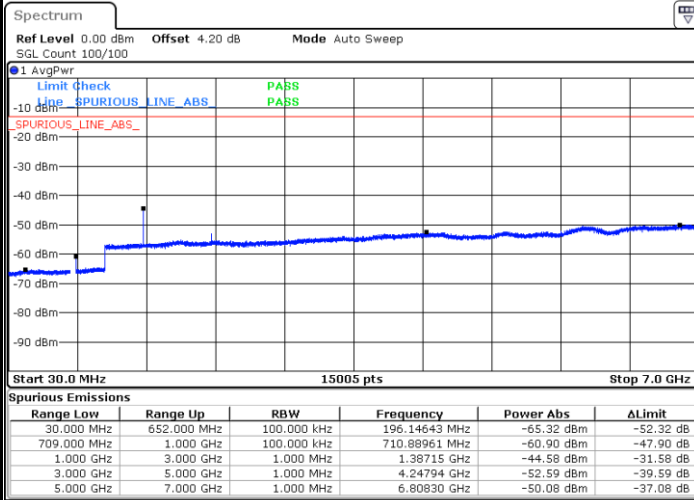


Date: 27.NOV.2020 18:21:18



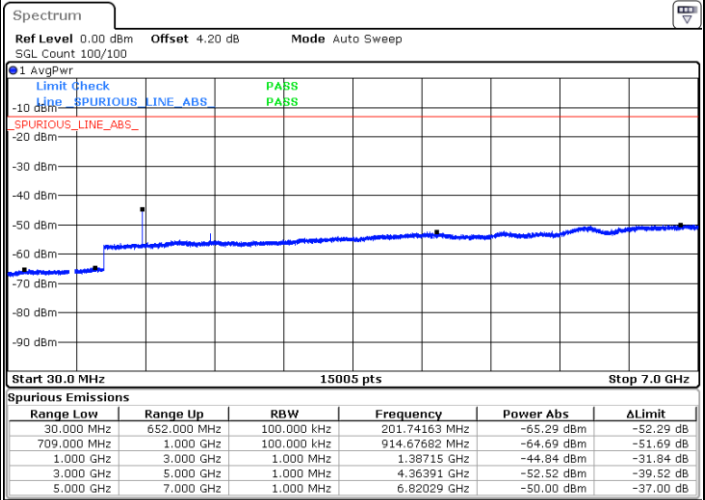
LTE Band 71 / 5MHz

Highest Channel / QPSK



Date: 27 NOV 2020 18:29:16

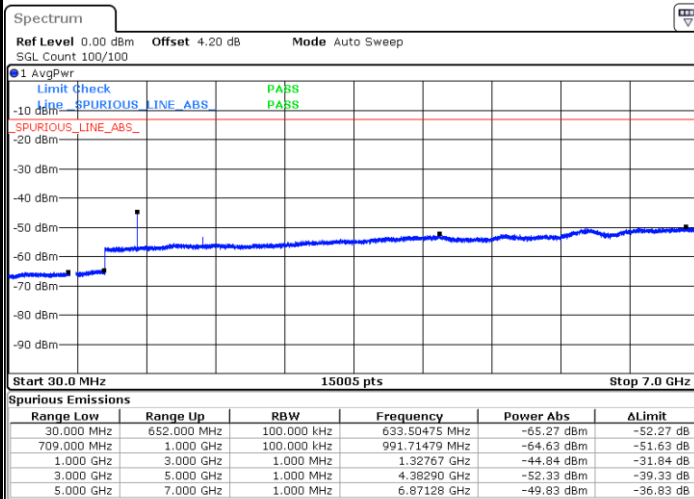
Highest Channel / 16QAM



Date: 27 NOV 2020 18:29:38

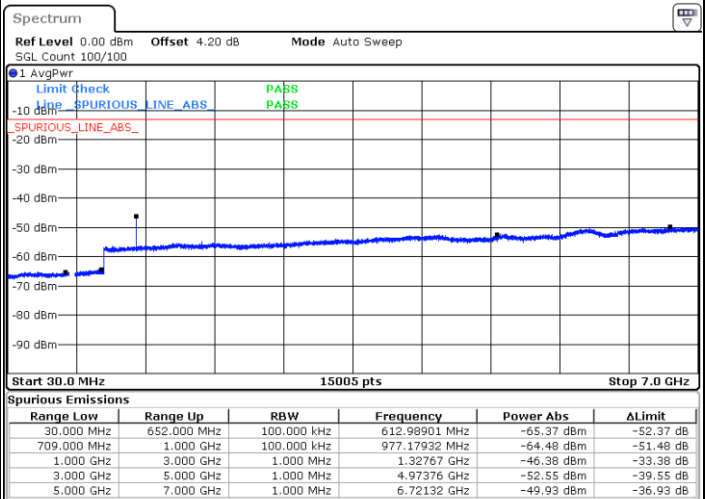
LTE Band 71 / 10MHz

Lowest Channel / QPSK



Date: 27 NOV 2020 18:42:28

Lowest Channel / 16QAM

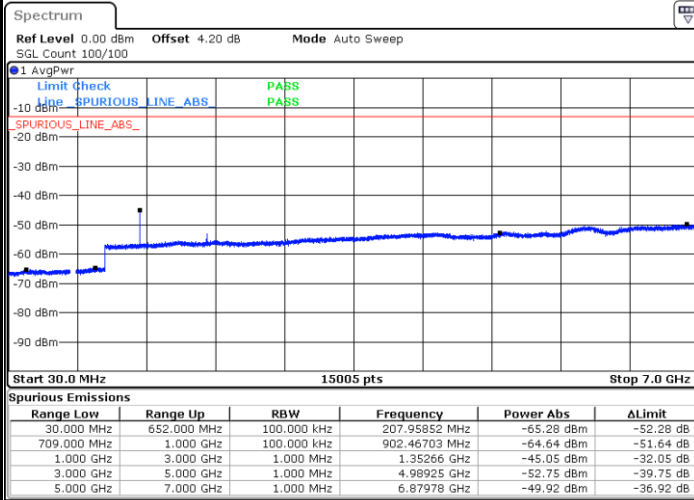


Date: 27 NOV 2020 18:46:10



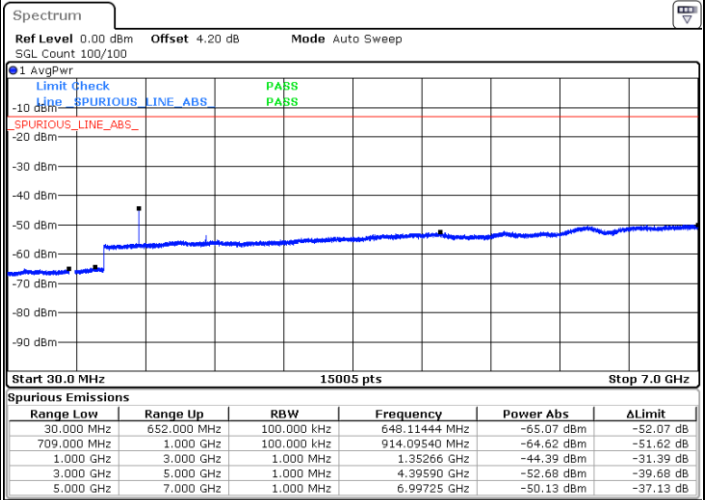
LTE Band 71 / 10MHz

Middle Channel / QPSK



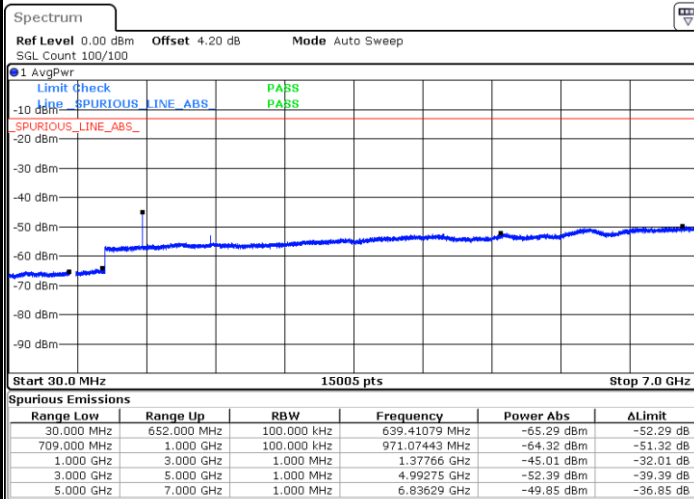
Date: 27 NOV 2020 18:47:17

Middle Channel / 16QAM



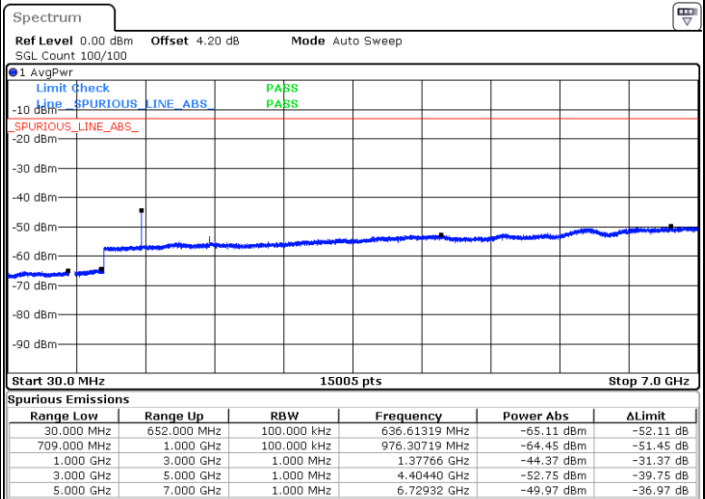
Date: 27 NOV 2020 18:46:50

Highest Channel / QPSK



Date: 27 NOV 2020 18:52:12

Highest Channel / 16QAM

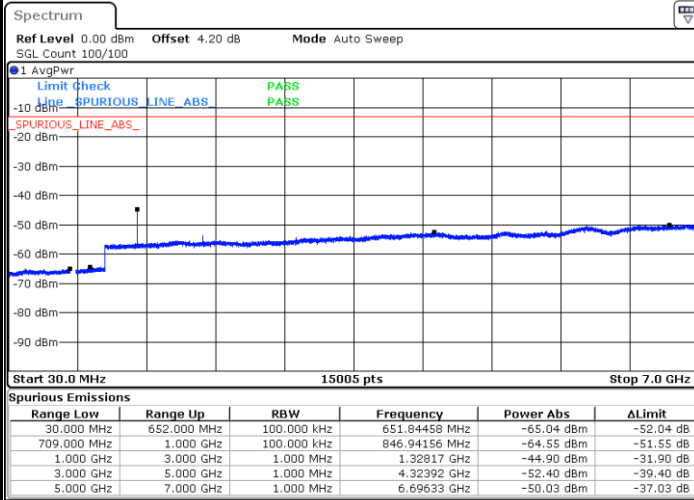


Date: 27 NOV 2020 18:51:44



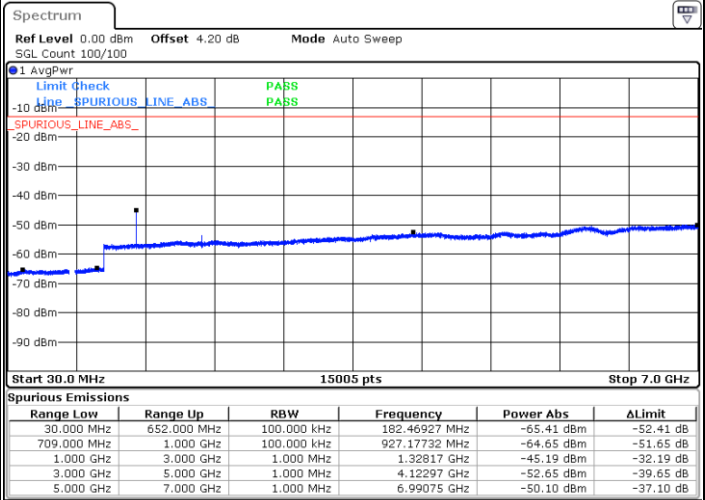
LTE Band 71 / 15MHz

Lowest Channel / QPSK



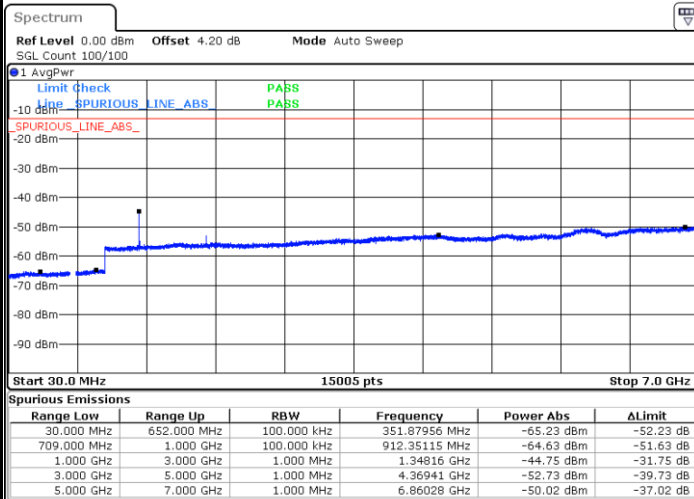
Date: 27 NOV 2020 19:16:29

Lowest Channel / 16QAM



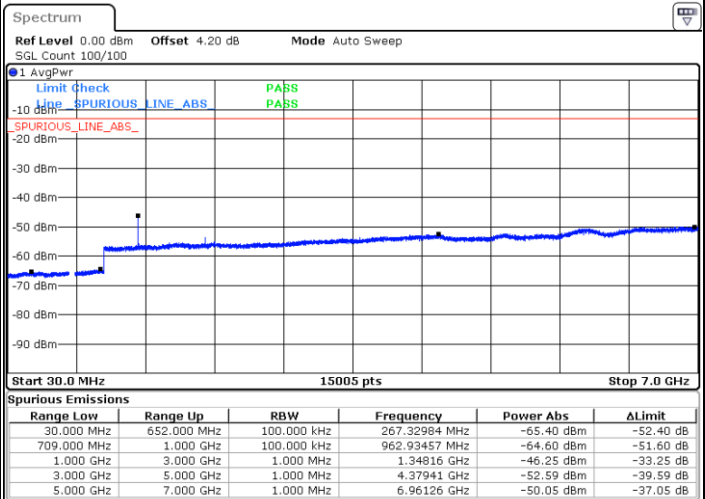
Date: 27 NOV 2020 19:09:55

Middle Channel / QPSK



Date: 27 NOV 2020 19:20:40

Middle Channel / 16QAM

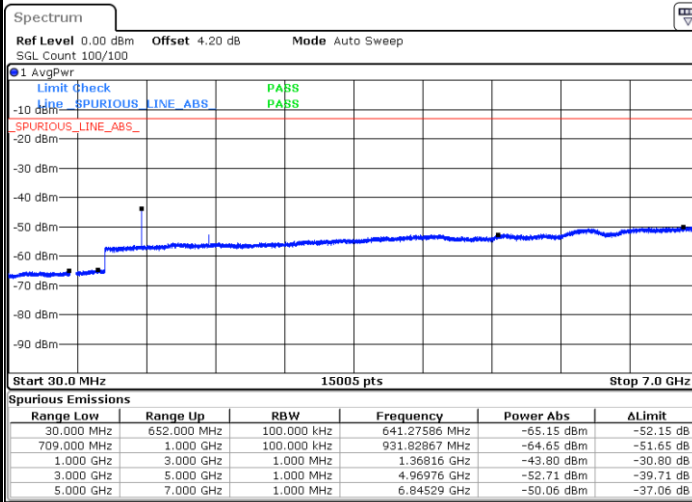


Date: 27 NOV 2020 19:21:09



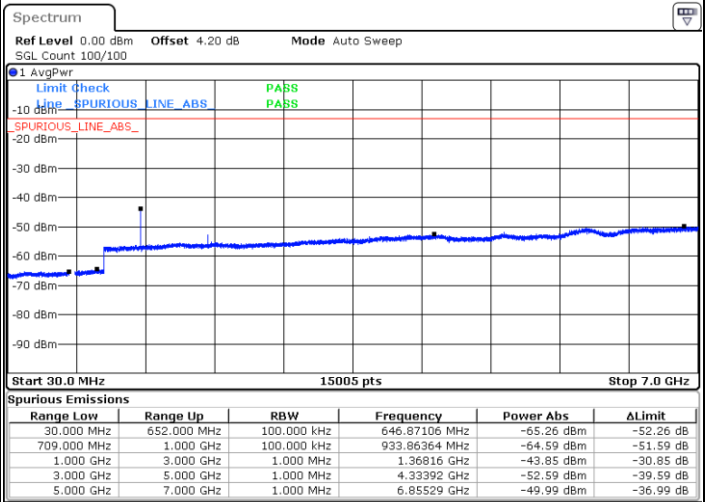
LTE Band71 / 15MHz

Highest Channel / QPSK



Date: 27 NOV 2020 19:27:06

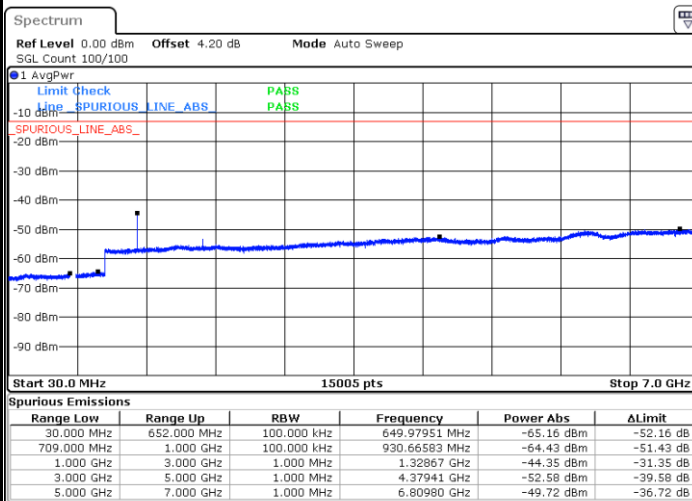
Highest Channel / 16QAM



Date: 27 NOV 2020 19:29:27

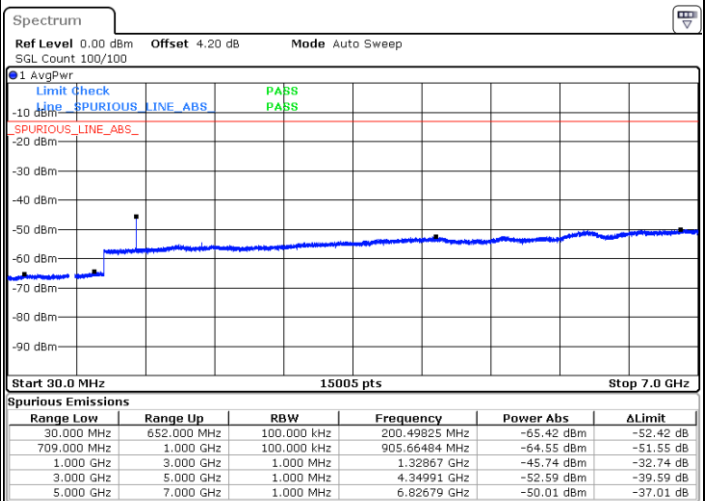
LTE Band 71 / 20MHz

Lowest Channel / QPSK



Date: 27 NOV 2020 19:41:01

Lowest Channel / 16QAM

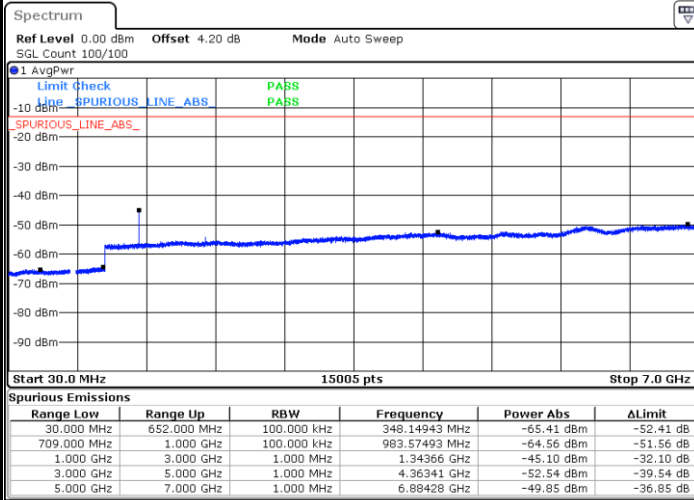


Date: 27 NOV 2020 19:39:00



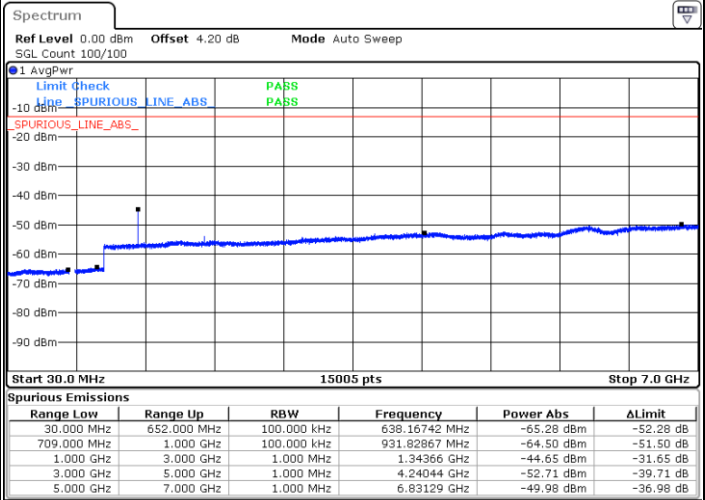
LTE Band 71 / 20MHz

Middle Channel / QPSK



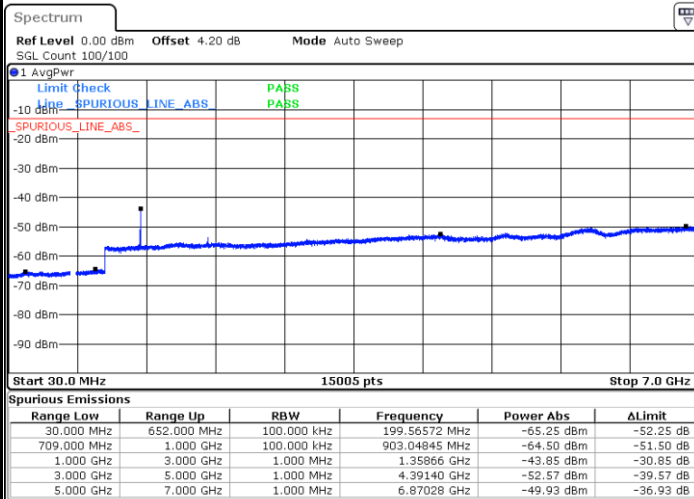
Date: 27 NOV 2020 19:42:57

Middle Channel / 16QAM



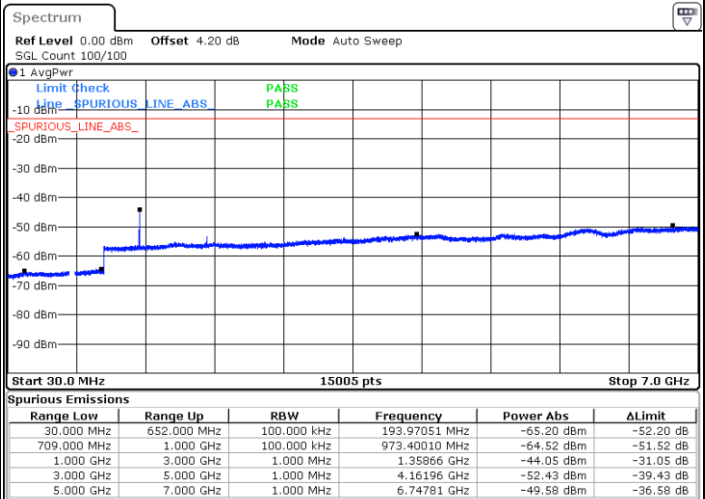
Date: 27 NOV 2020 19:43:35

Highest Channel / QPSK



Date: 27 NOV 2020 19:48:14

Highest Channel / 16QAM



Date: 27 NOV 2020 19:48:47

Frequency Stability

Test Conditions		LTE Band 71 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0030	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0015	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0046	
-30	Normal Voltage	0.0019	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0003	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.135 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7C

26dB Bandwidth

Mode	LTE Band 7C : 26dB BW(MHz)	
Mod.	QPSK	16QAM
BW	20MHz+20MHz	
Middle CH	40.36	40.68

