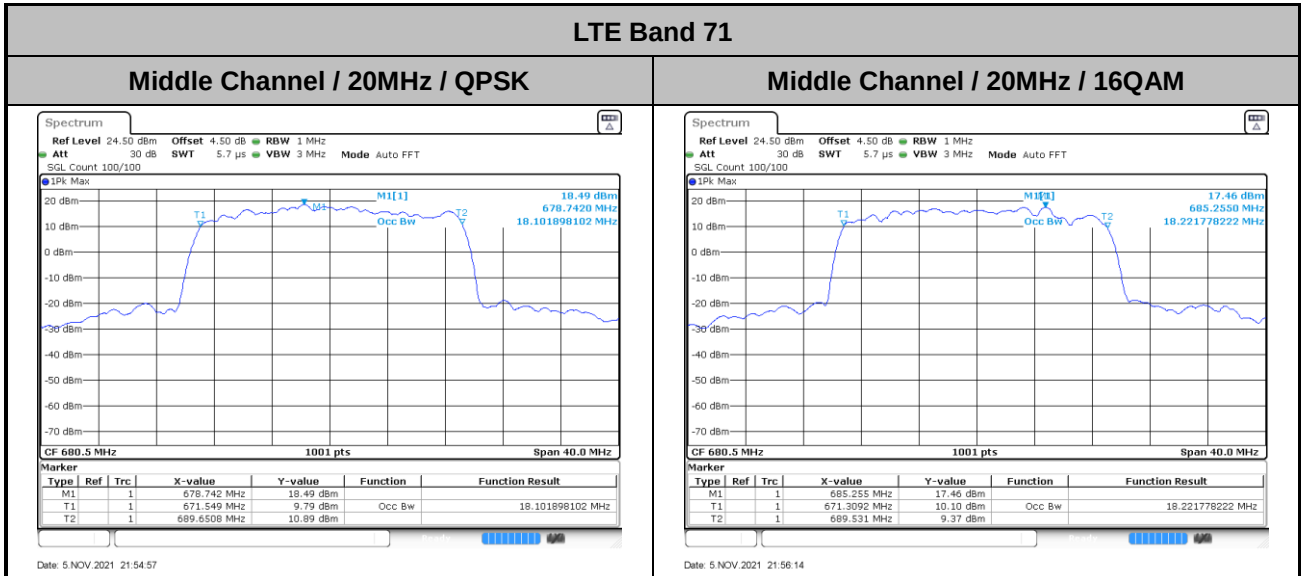
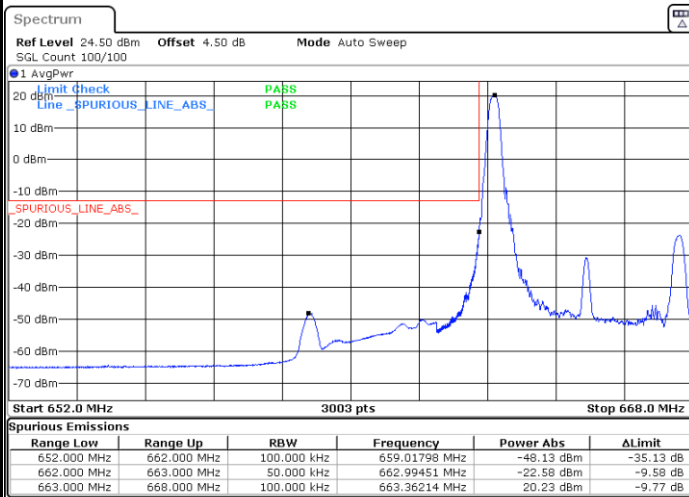
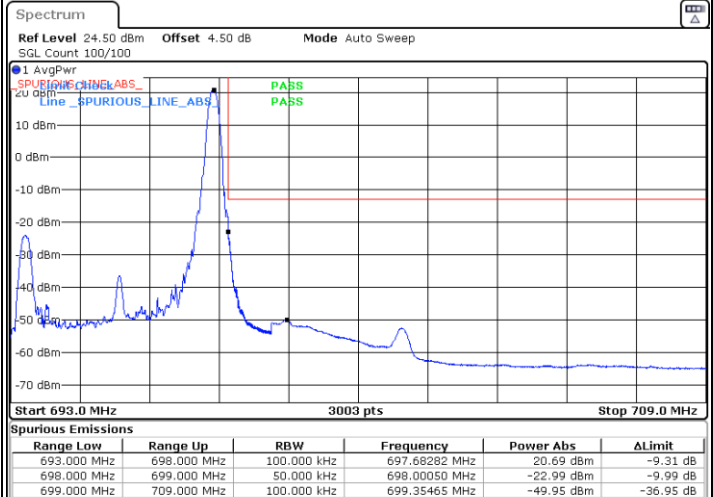
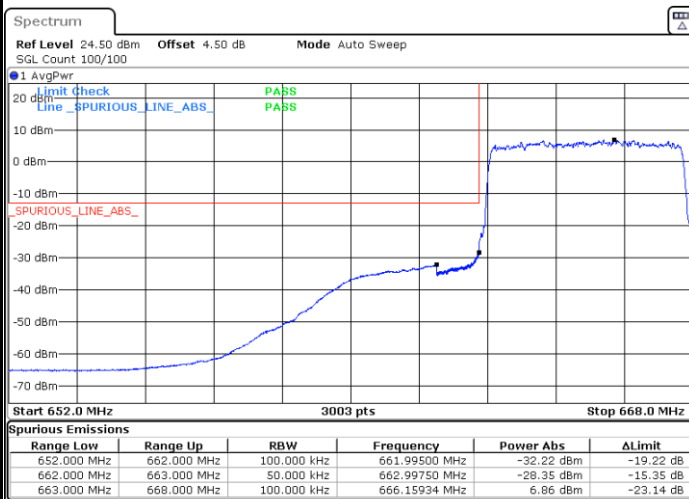
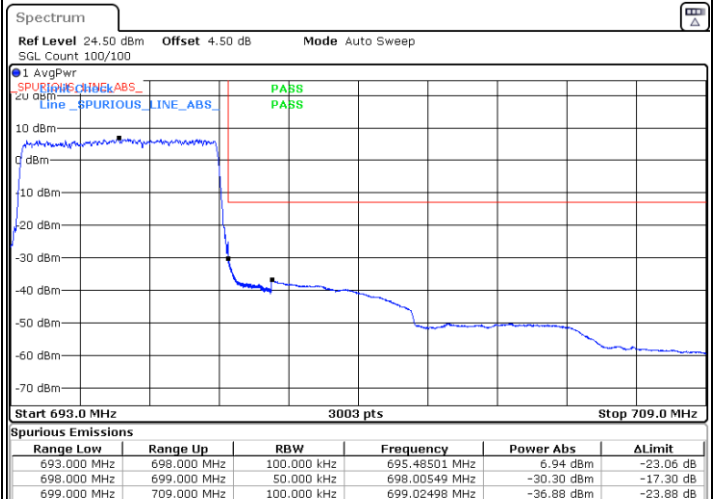




Occupied Bandwidth

Mode	LTE Band 71 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.10	18.22

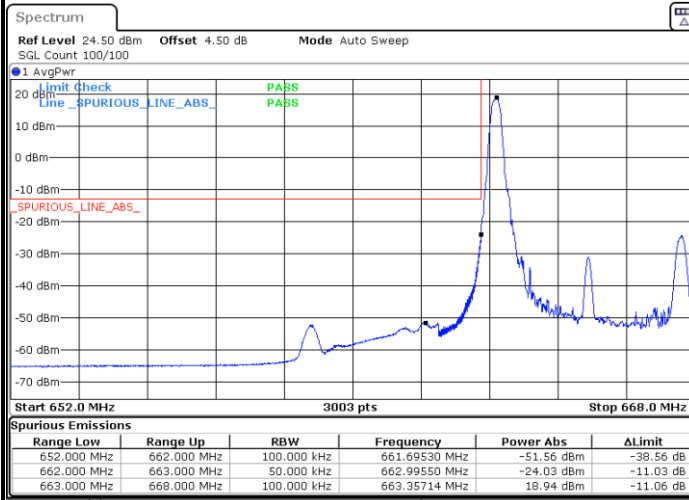


**Conducted Band Edge****LTE Band 71 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

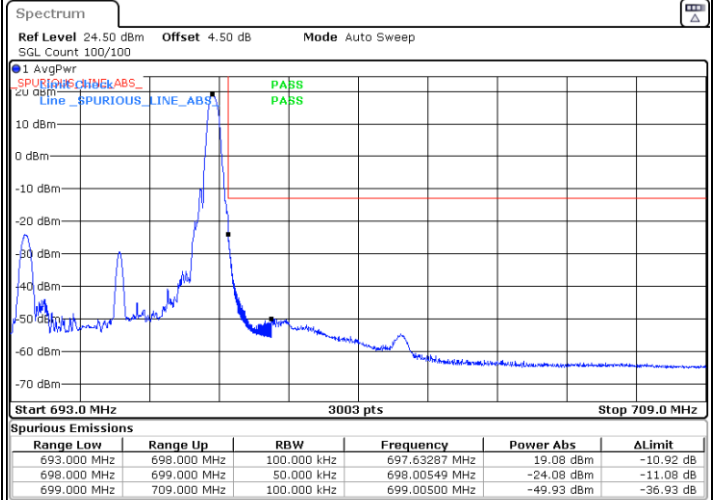


LTE Band 71 / 5MHz / 16QAM

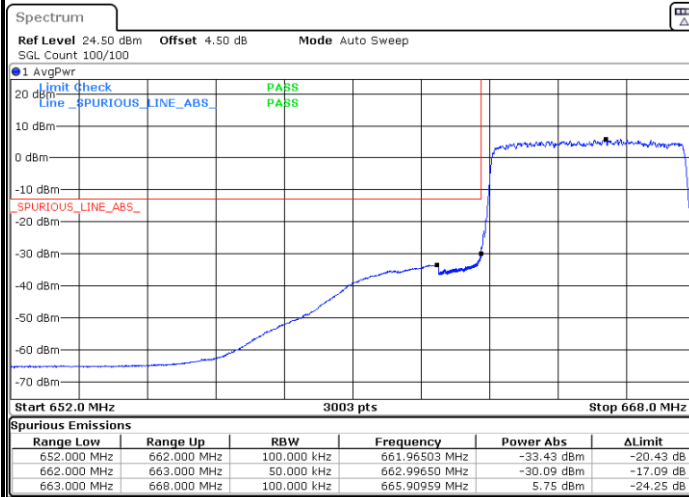
Lowest Band Edge / 1 RB



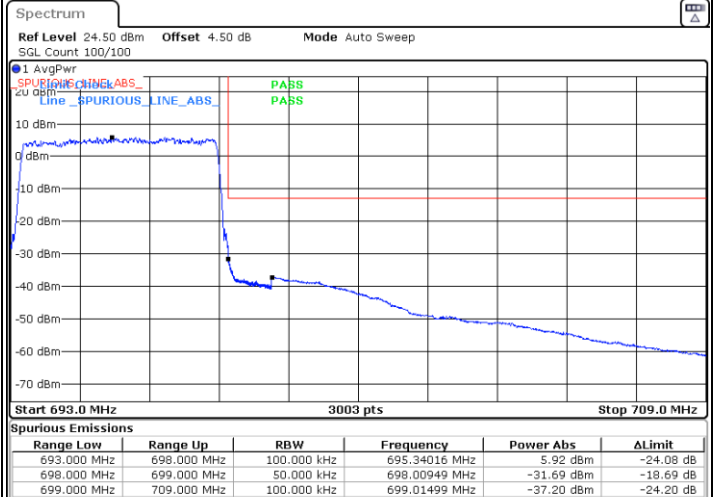
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



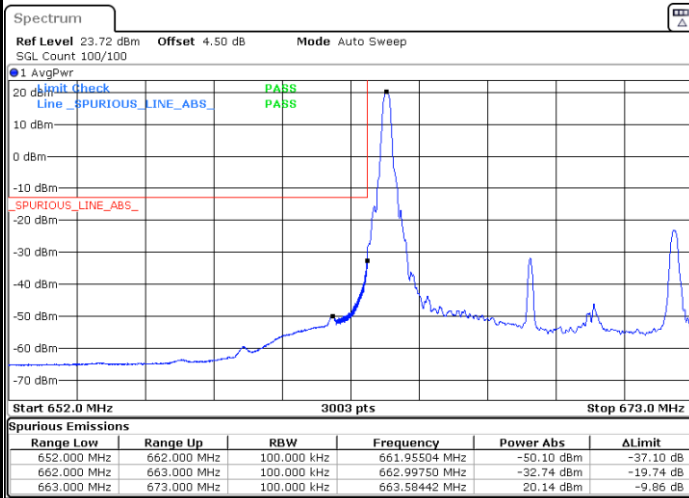
Highest Band Edge / Full RB



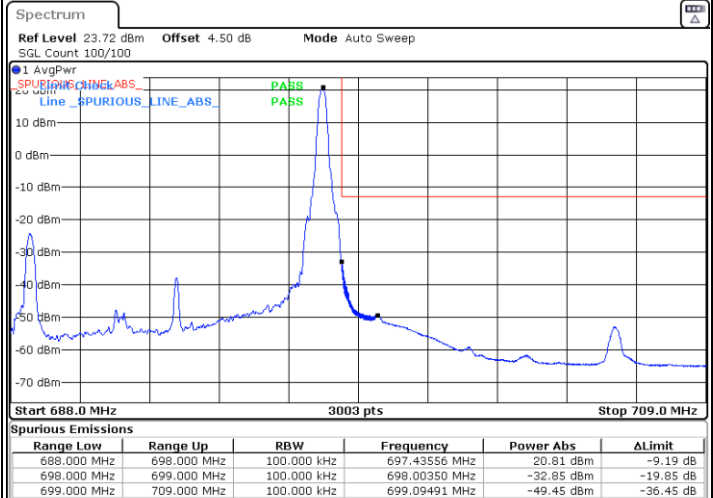


LTE Band 71 / 10MHz / QPSK

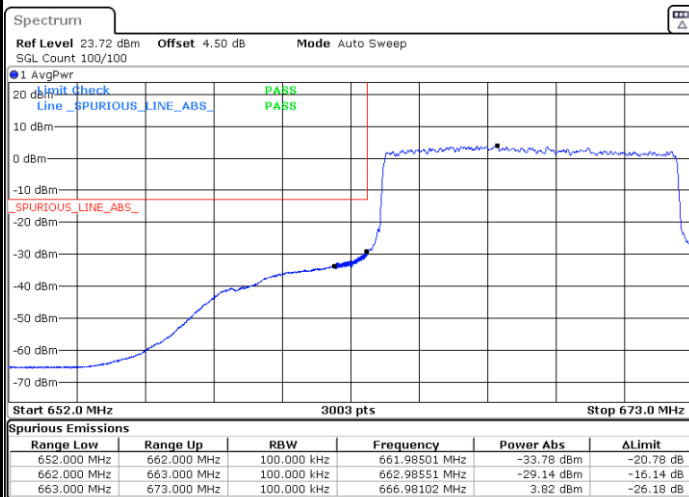
Lowest Band Edge / 1 RB



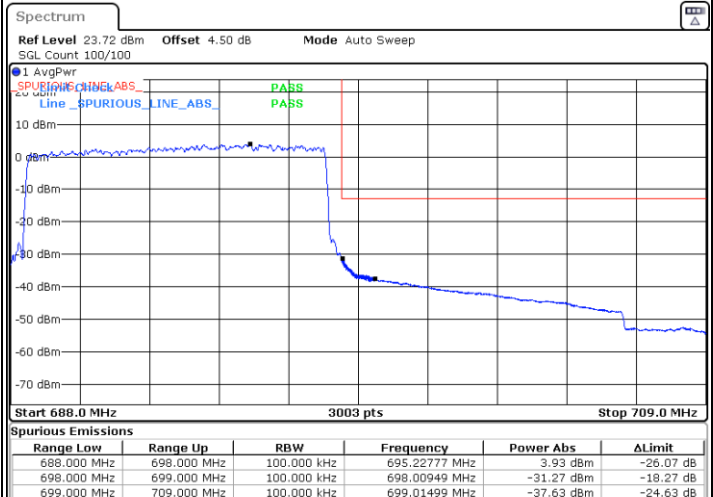
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



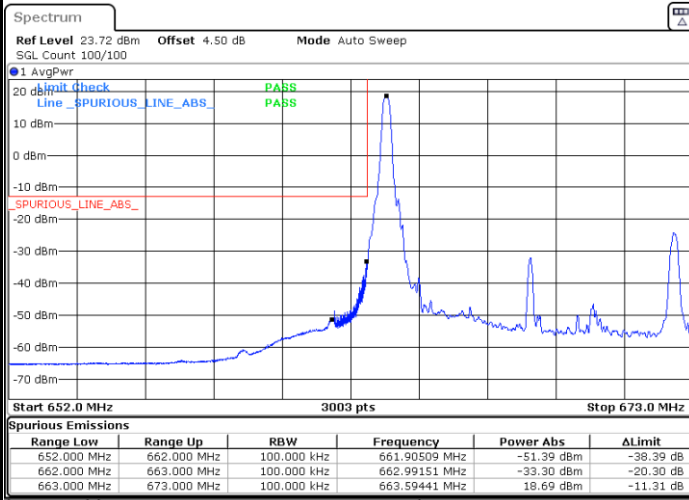
Highest Band Edge / Full RB



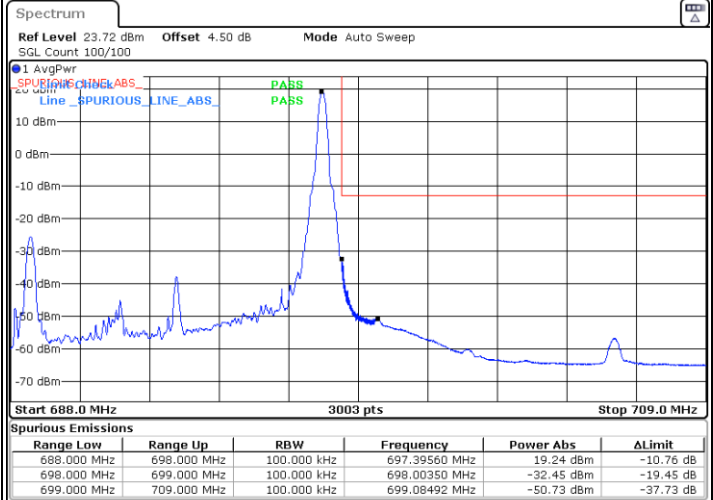


LTE Band 71 / 10MHz / 16QAM

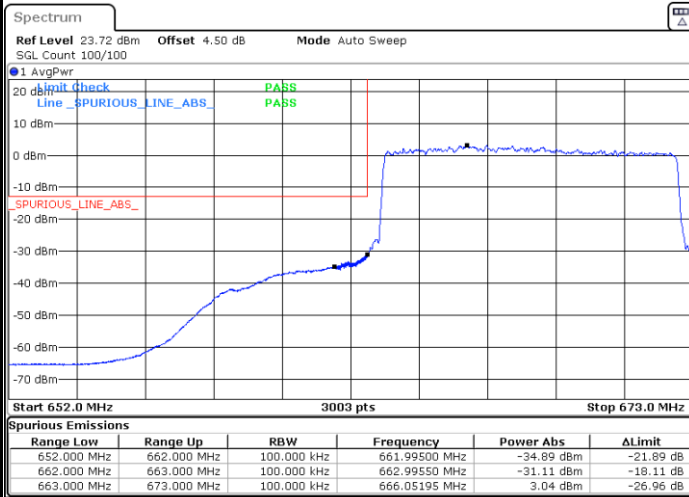
Lowest Band Edge / 1 RB



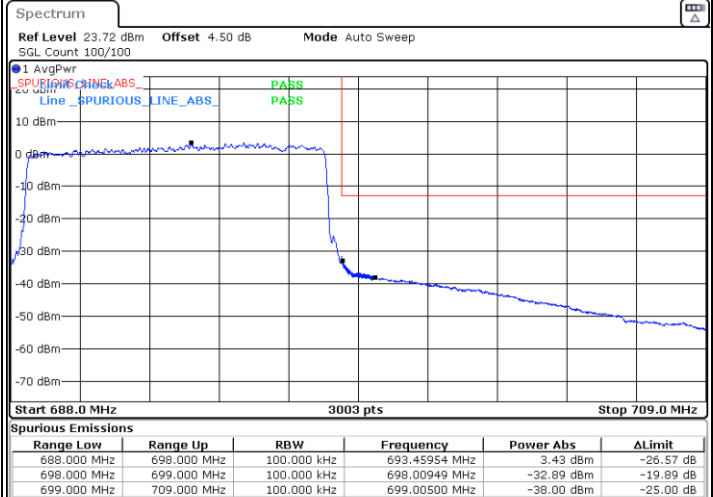
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



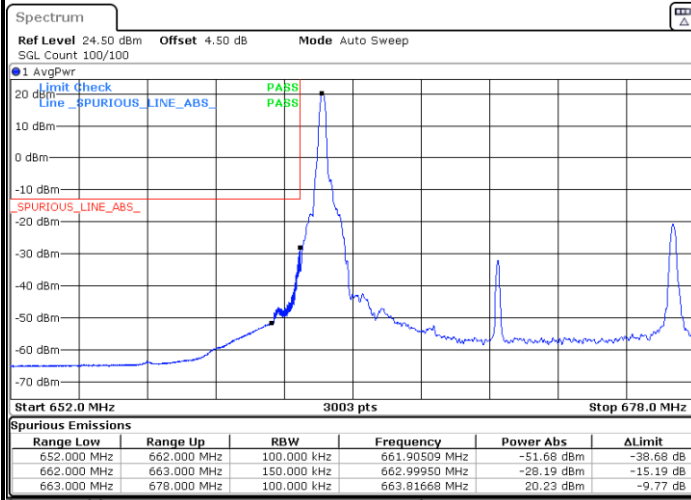
Highest Band Edge / Full RB



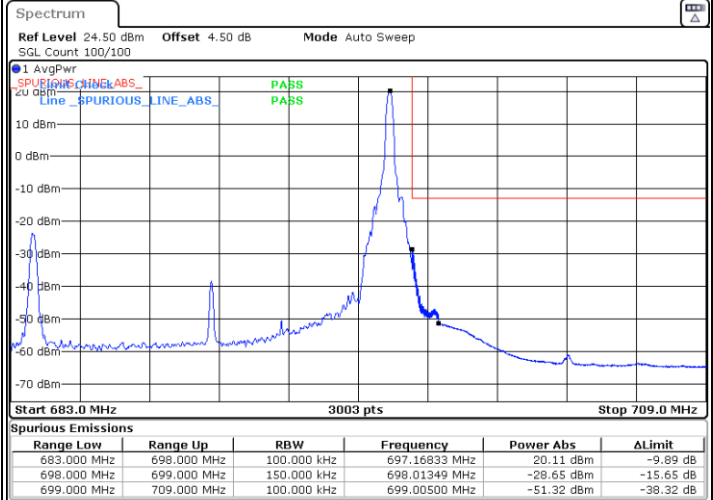


LTE Band 71 / 15MHz / QPSK

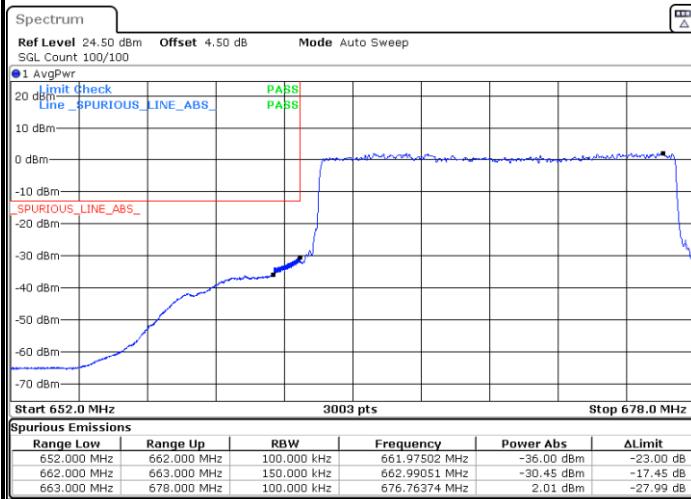
Lowest Band Edge / 1 RB



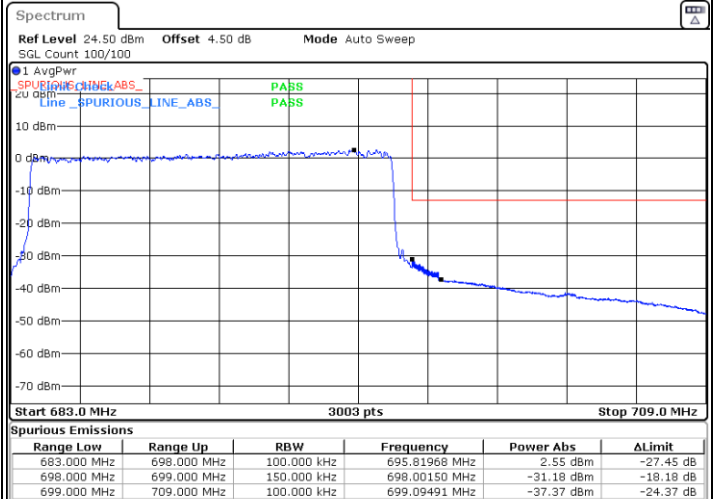
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



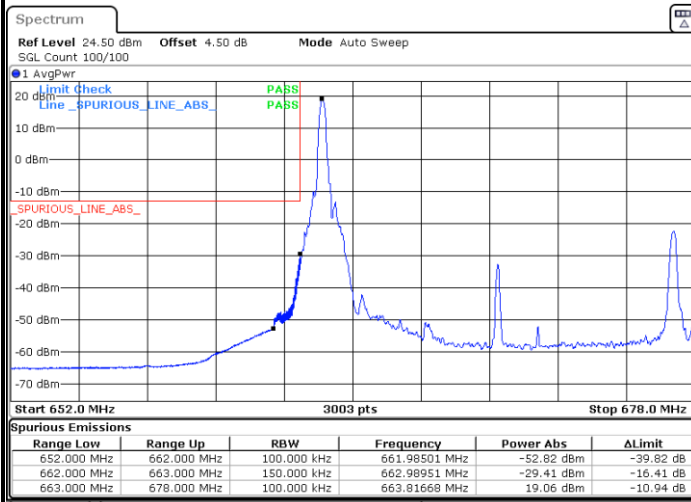
Highest Band Edge / Full RB



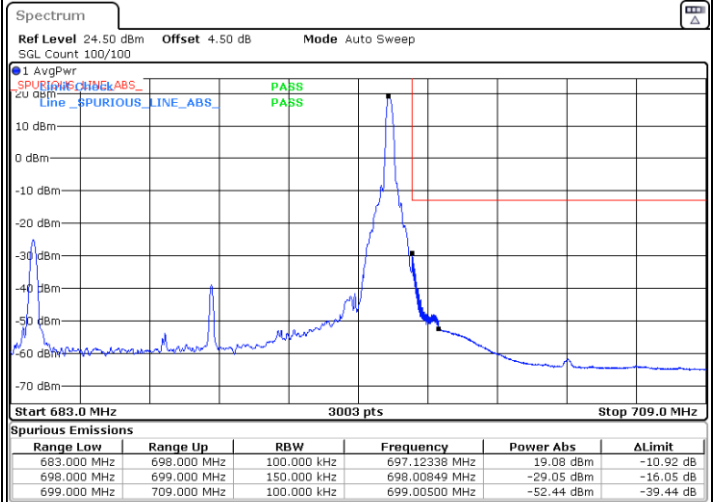


LTE Band 71 / 15MHz / 16QAM

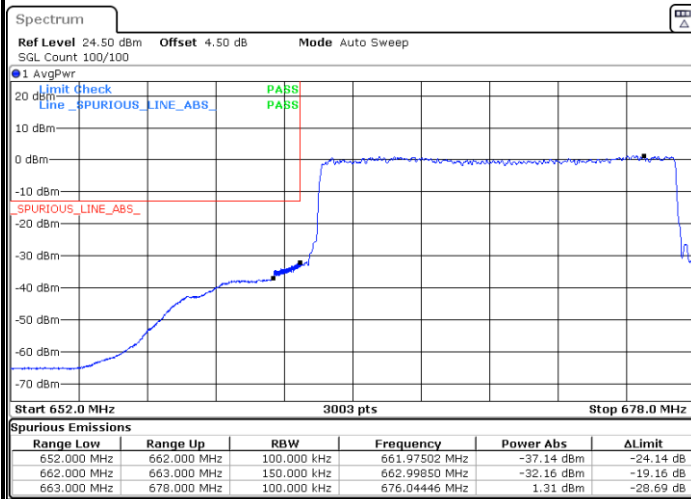
Lowest Band Edge / 1 RB



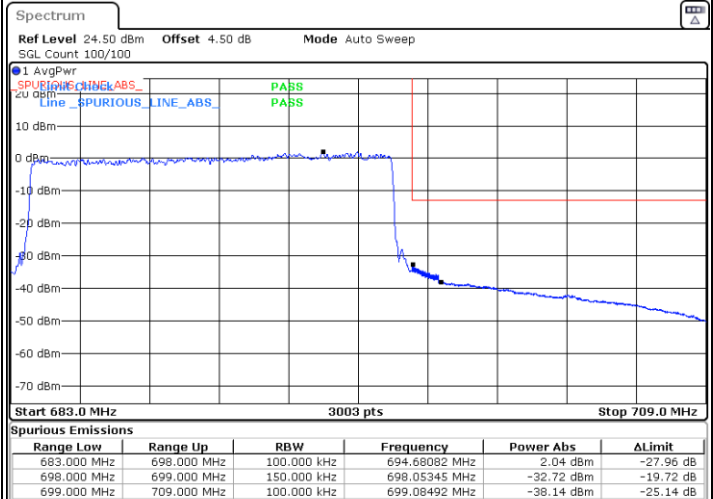
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



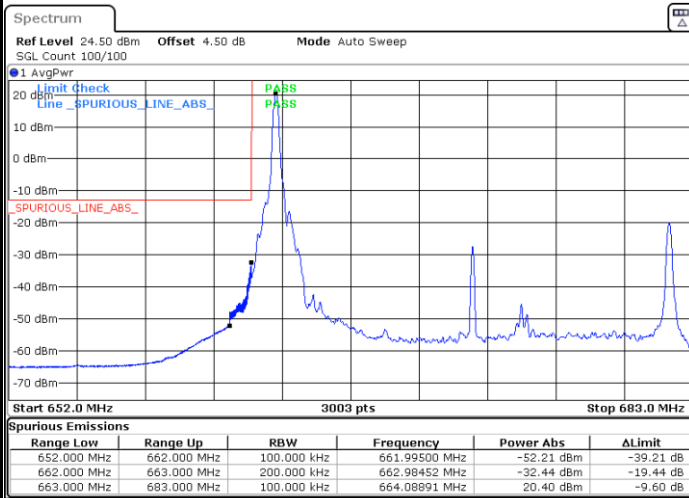
Highest Band Edge / Full RB





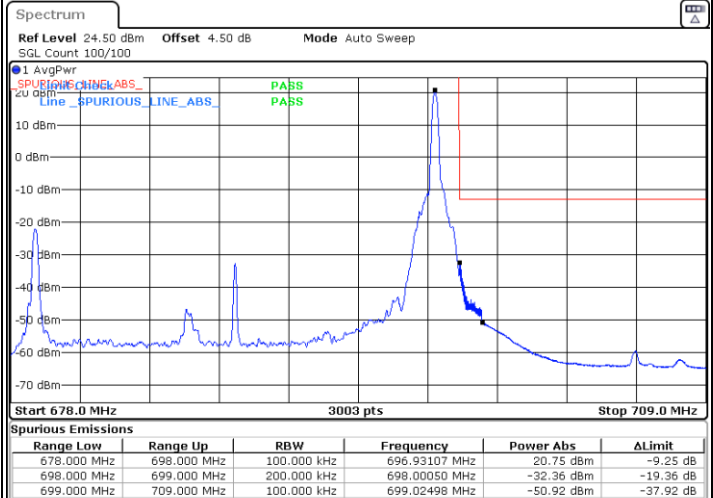
LTE Band 71 / 20MHz / QPSK

Lowest Band Edge / 1 RB



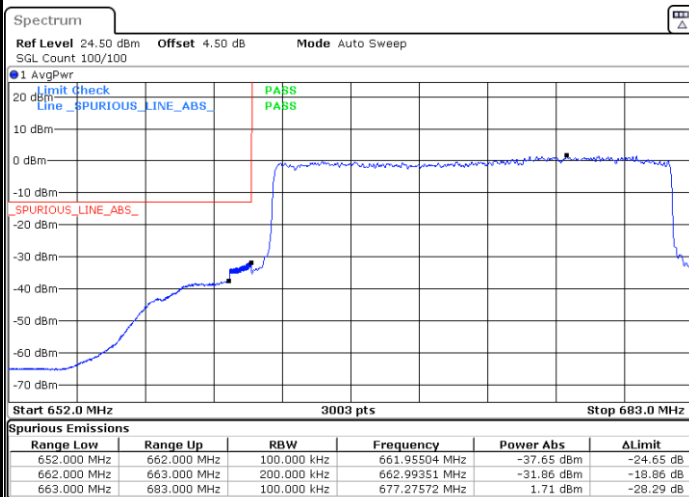
Date: 5.NOV.2021 22:35:57

Highest Band Edge / 1 RB



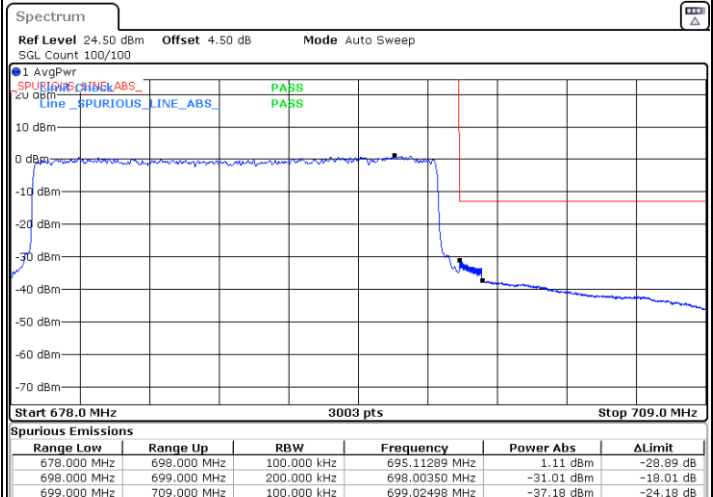
Date: 5.NOV.2021 22:41:24

Lowest Band Edge / Full RB



Date: 5.NOV.2021 22:38:41

Highest Band Edge / Full RB

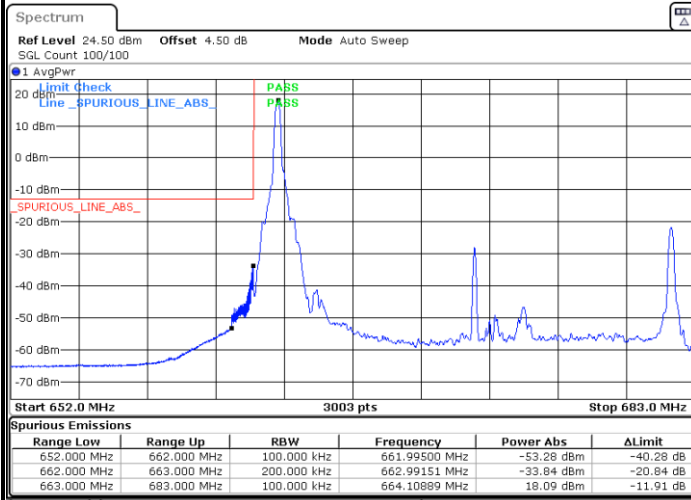


Date: 5.NOV.2021 22:45:29

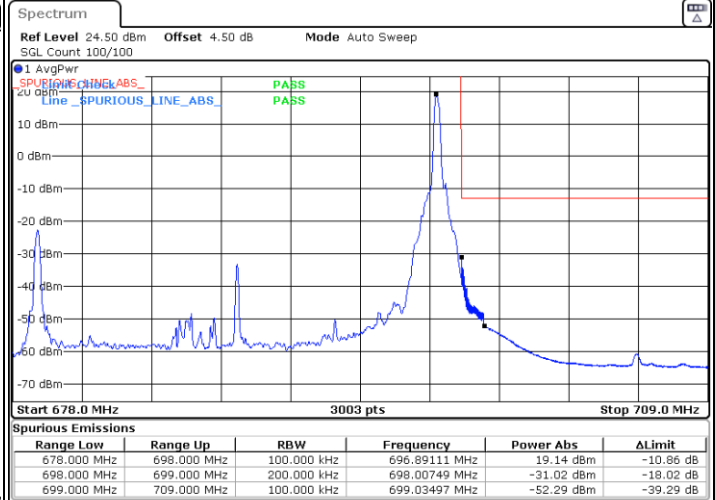


LTE Band 71 / 20MHz / 16QAM

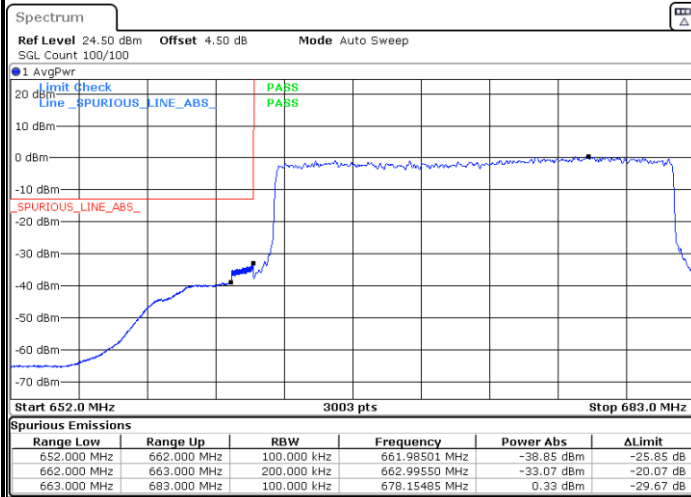
Lowest Band Edge / 1 RB



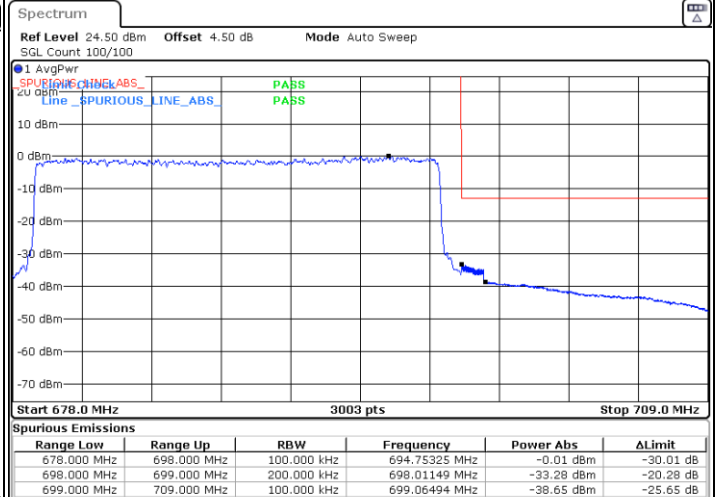
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

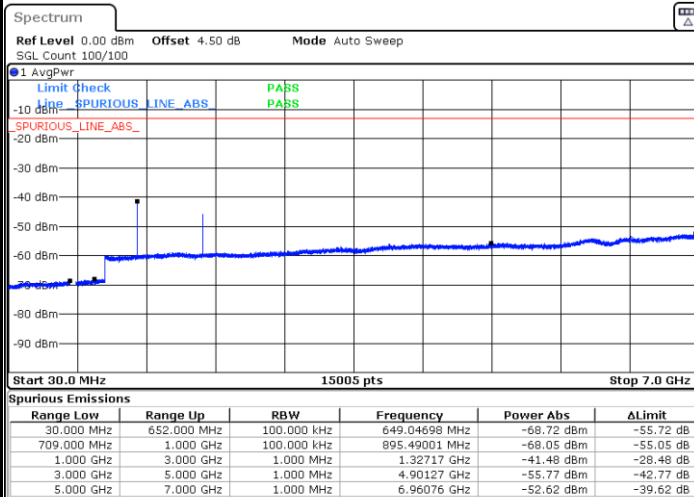




Conducted Spurious Emission

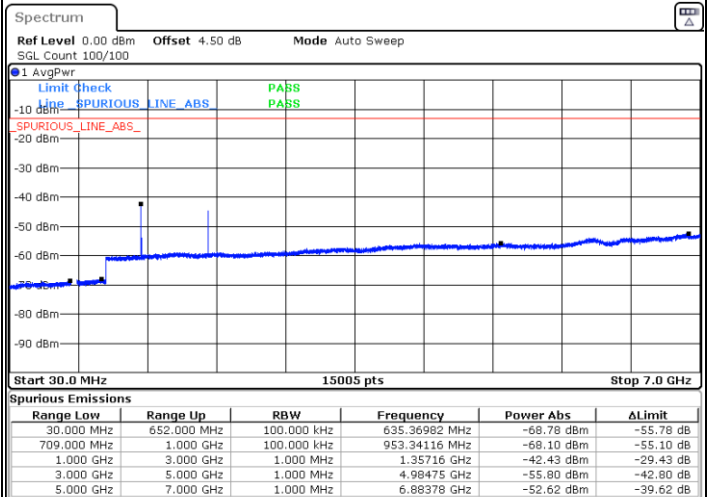
LTE Band 71 / 5MHz

Lowest Channel / QPSK



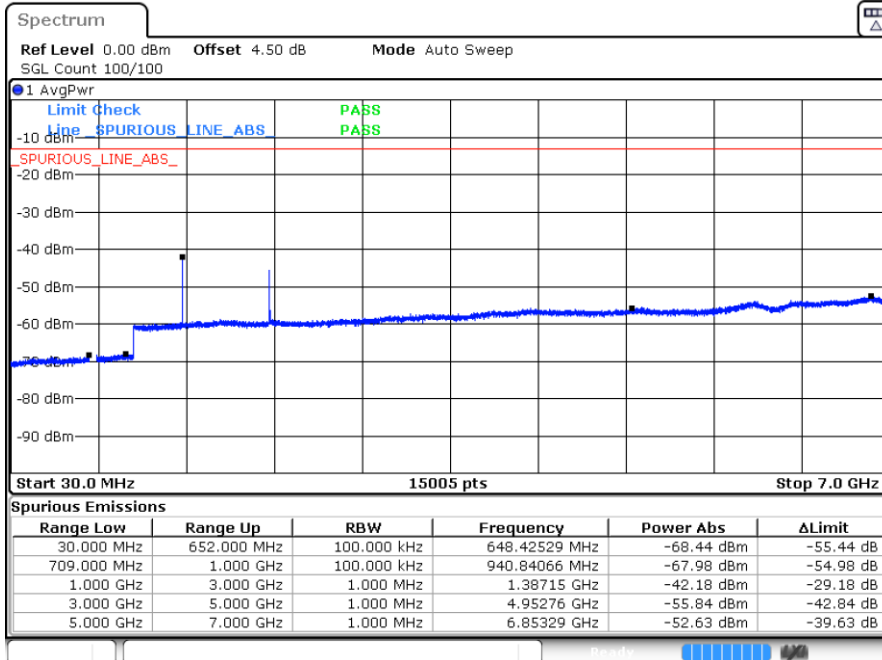
Date: 5.NOV.2021 23:01:42

Middle Channel / QPSK



Date: 5.NOV.2021 23:00:12

Highest Channel / QPSK

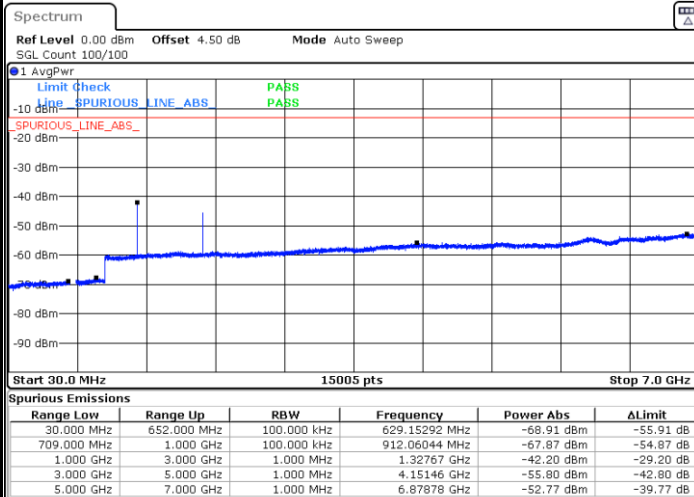


Date: 5.NOV.2021 23:03:13



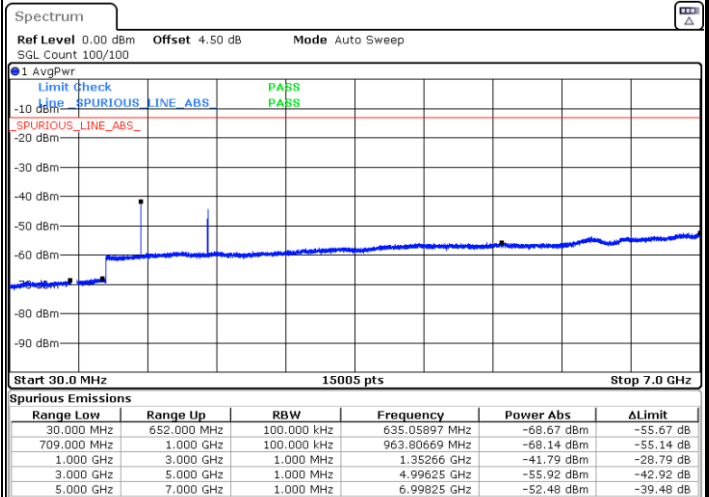
LTE Band 71 / 10MHz

Lowest Channel / QPSK



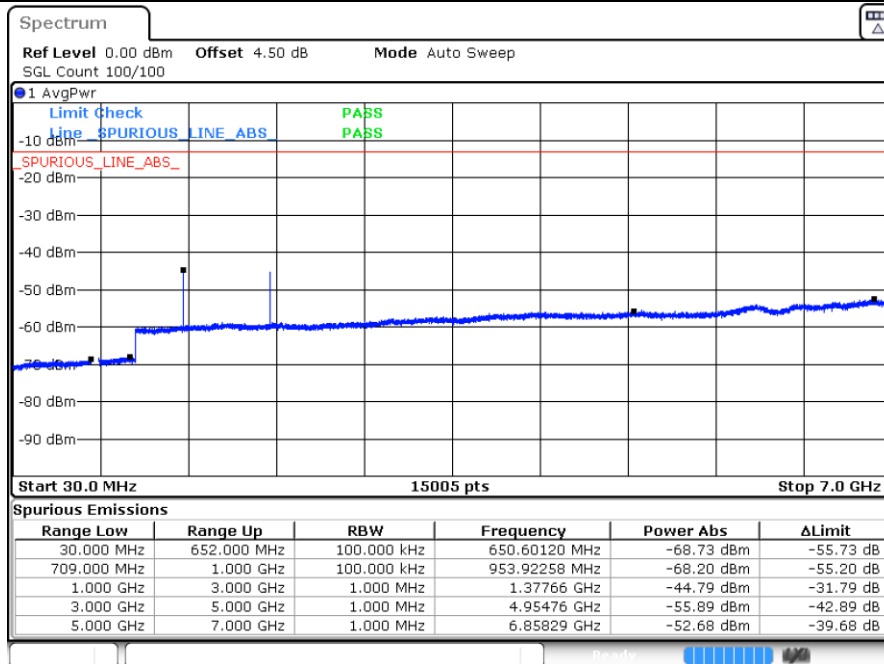
Date: 5.NOV.2021 22:57:09

Middle Channel / QPSK



Date: 5.NOV.2021 22:55:42

Highest Channel / QPSK

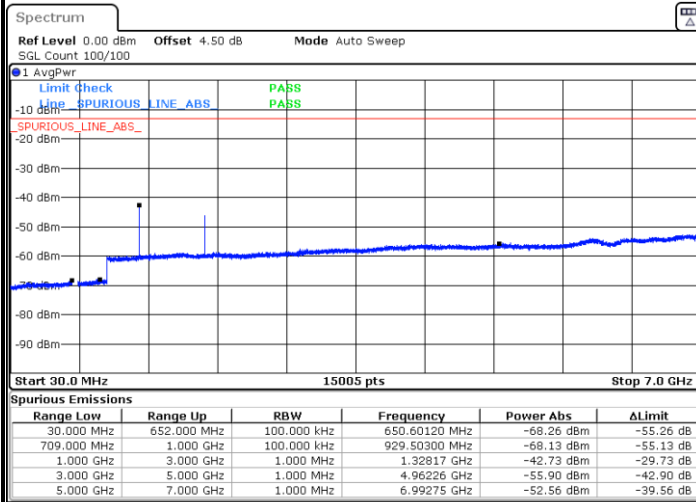


Date: 5.NOV.2021 22:58:36



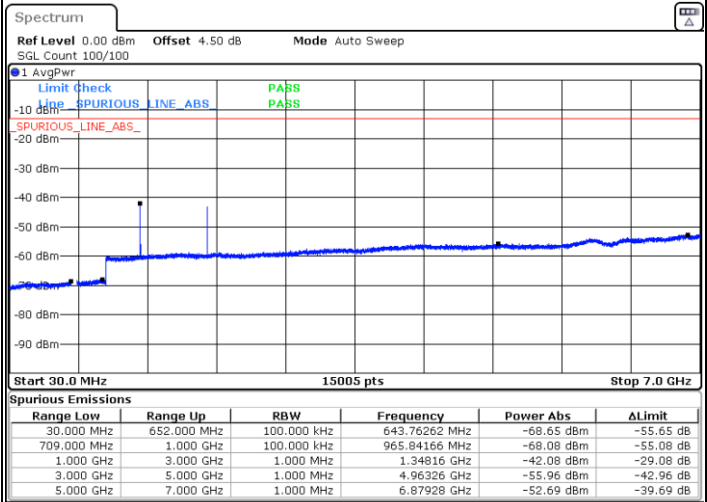
LTE Band 71 / 15MHz

Lowest Channel / QPSK



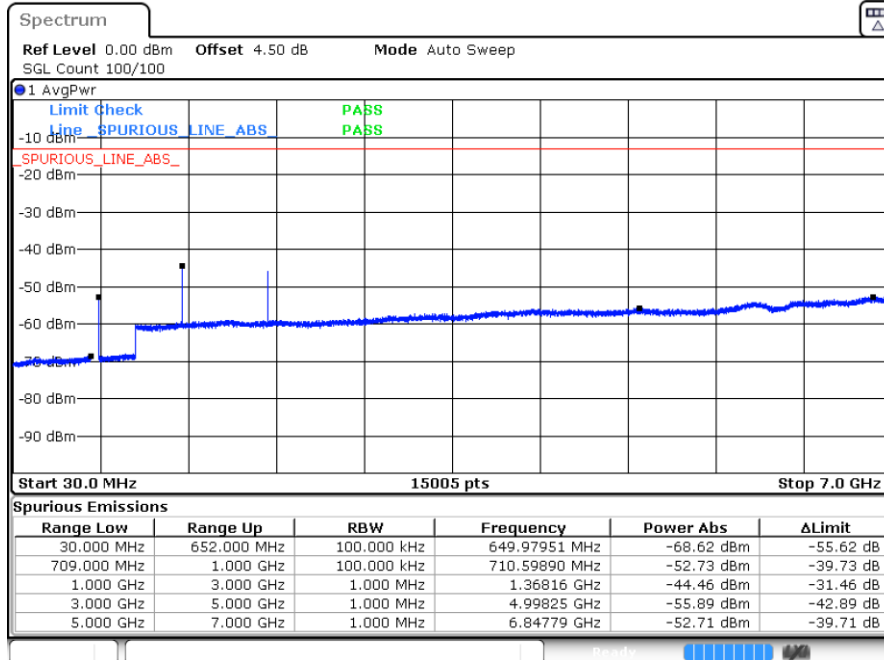
Date: 5 NOV 2021 22:52:22

Middle Channel / QPSK



Date: 5 NOV 2021 22:50:55

Highest Channel / QPSK

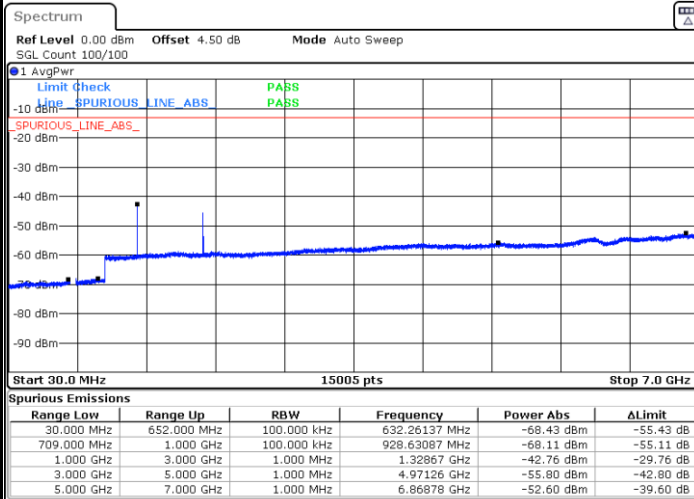


Date: 5 NOV 2021 22:53:59



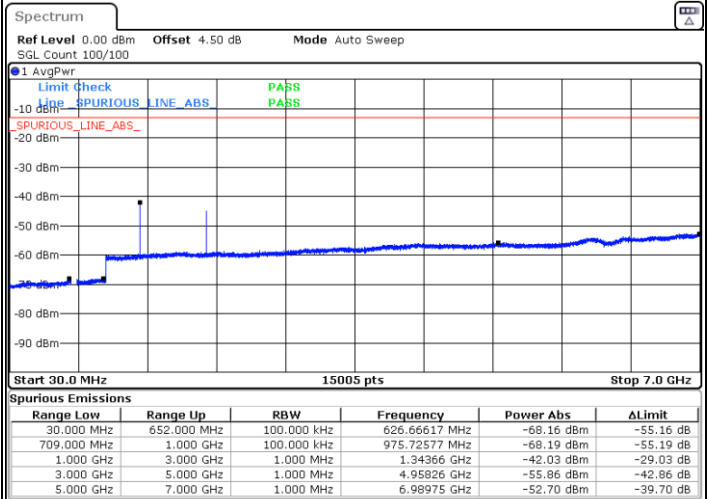
LTE Band 71 / 20MHz

Lowest Channel / QPSK



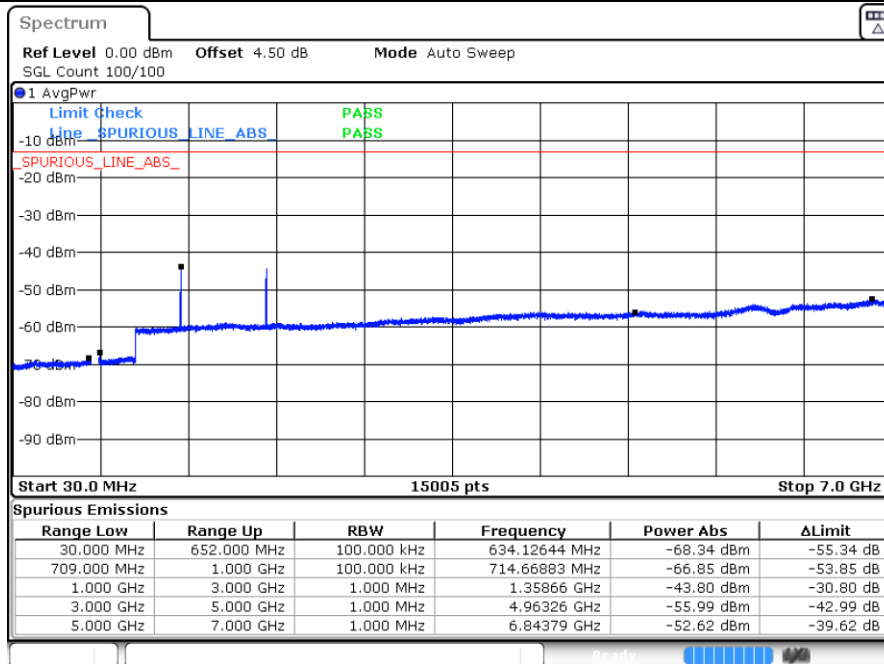
Date: 5.NOV.2021 21:58:20

Middle Channel / QPSK



Date: 5.NOV.2021 21:53:51

Highest Channel / QPSK



Date: 5.NOV.2021 22:49:01

**Frequency Stability**

Test Conditions		LTE Band 71 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0008	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0022	
20	End Point	0.0034	

Note:

1. Normal Voltage =13 V. ; End Point (BEP) =12 V. ; Maximum Voltage =20 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Levi Zhuo	Temperature :	22~23°C
		Relative Humidity :	41~42%

LTE Band 2 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3742	-55.51	-13	-42.51	-67.77	2.64	14.90	H
	5610	-53.76	-13	-40.76	-65.62	2.94	14.80	H
	7485	-52.23	-13	-39.23	-62.00	3.39	13.16	H
	3735	-55.30	-13	-42.30	-67.56	2.64	14.90	V
	5613	-53.98	-13	-40.98	-65.84	2.94	14.80	V
	7484	-51.98	-13	-38.98	-61.75	3.39	13.16	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 5 / 10MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1664	-65.88	-13	-52.88	-72.85	1.58	10.70	H
	2496	-61.68	-13	-48.68	-69.93	2.102	12.50	H
	3330	-62.60	-13	-49.60	-71.49	2.856	13.90	H
	1664	-65.27	-13	-52.27	-72.24	1.58	10.70	V
	2496	-60.24	-13	-47.24	-68.49	2.10	12.50	V
	3330	-62.46	-13	-49.46	-71.35	2.86	13.90	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 12 / 10MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1406	-67.08	-13	-54.08	-74.05	1.58	10.70	H
	2108	-61.15	-13	-48.15	-69.40	2.102	12.50	H
	2812	-58.85	-13	-45.85	-67.74	2.856	13.90	H
	3516	-59.31	-13	-46.31	-67.00	3.46	13.30	H
	1406	-66.41	-13	-53.41	-73.38	1.58	10.70	V
	2108	-60.00	-13	-47.00	-68.25	2.10	12.50	V
	2812	-58.18	-13	-45.18	-67.07	2.86	13.90	V
	3516	-59.75	-13	-46.75	-67.44	3.46	13.30	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 13 / 5MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1559	-65.69	-42.15	-23.54	-68.32	1.09	5.87	H
	2339	-59.92	-13	-46.92	-62.32	1.37	5.92	H
	3120	-59.55	-13	-46.55	-63.44	1.64	7.68	H
	1559	-63.88	-42.15	-21.73	-66.51	1.09	5.87	V
	2339	-59.87	-13	-46.87	-62.27	1.37	5.92	V
	3120	-59.65	-13	-46.65	-63.54	1.64	7.68	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 13 / 10MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1556	-67.37	-13	-54.37	-70.00	1.09	5.87	H
	2332	-61.06	-13	-48.06	-63.46	1.37	5.92	H
	3108	-61.67	-13	-48.67	-65.56	1.64	7.68	H
	1556	-68.31	-13	-55.31	-70.94	1.09	5.87	V
	2332	-62.71	-13	-49.71	-65.11	1.37	5.92	V
	3108	-61.82	-13	-48.82	-65.71	1.64	7.68	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 66 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3465	-57.60	-13	-44.60	-68.34	2.604	13.34	H
	5208	-54.96	-13	-41.96	-65.47	3.011	13.52	H
	6944	-53.56	-13	-40.56	-63.76	3.271	13.47	H
	3472	-57.82	-13	-44.82	-68.56	2.604	13.34	V
	5208	-55.05	-13	-42.05	-65.56	3.011	13.52	V
	6945	-53.70	-13	-40.70	-63.90	3.271	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 71 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1344	-67.10	-13	-54.10	-68.85	1.02	4.92	H
	2014	-62.48	-13	-49.48	-64.45	1.27	5.39	H
	2688	-60.17	-13	-47.17	-63.10	1.49	6.57	H
	1344	-64.27	-13	-51.27	-66.02	1.02	4.92	V
	2014	-61.63	-13	-48.63	-63.60	1.27	5.39	V
	2686	-59.39	-13	-46.39	-62.32	1.49	6.57	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.