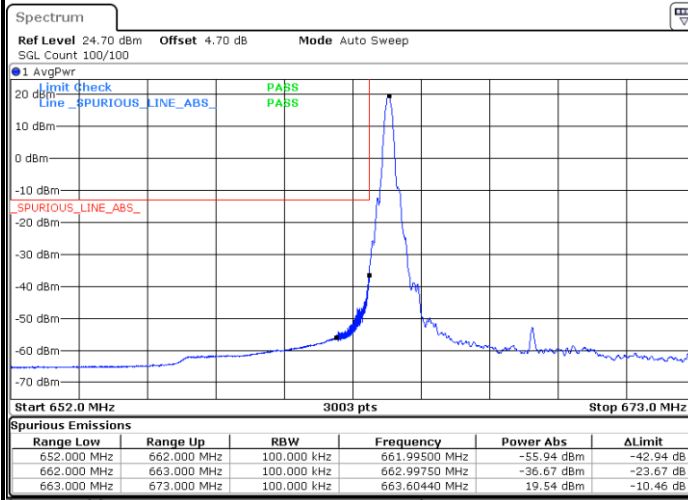


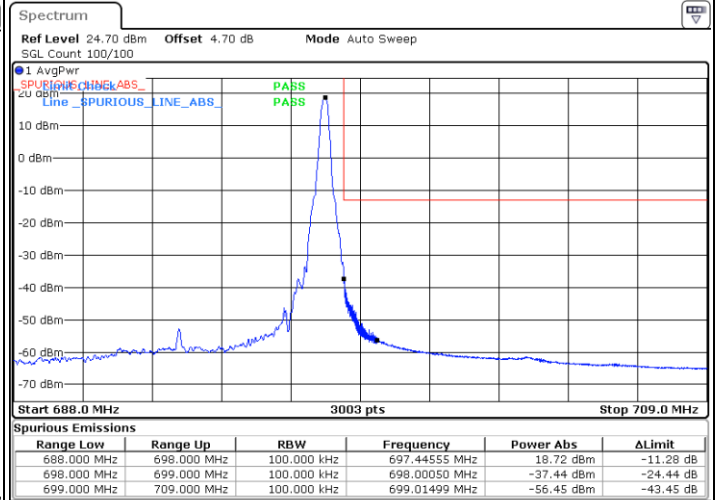


LTE Band 71 / 10MHz / 64QAM

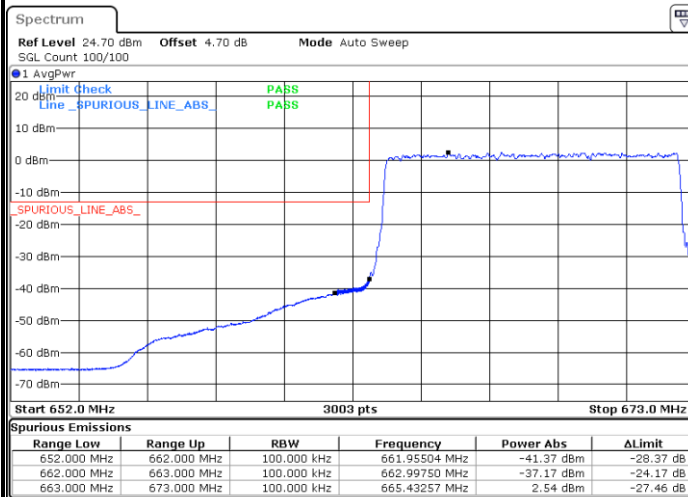
Lowest Band Edge / 1 RB



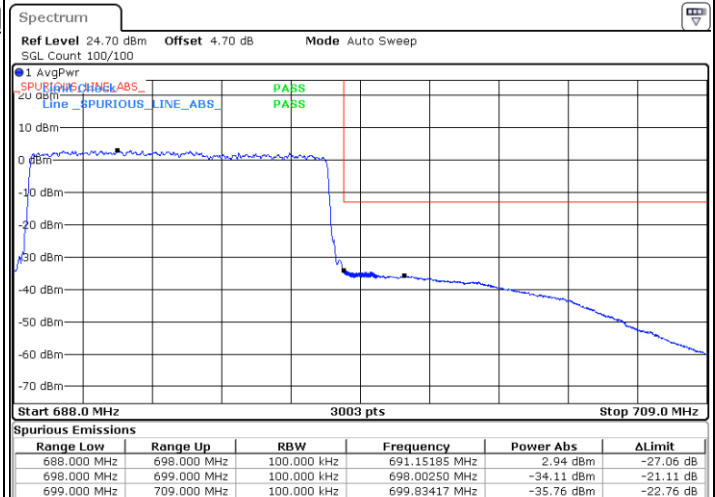
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



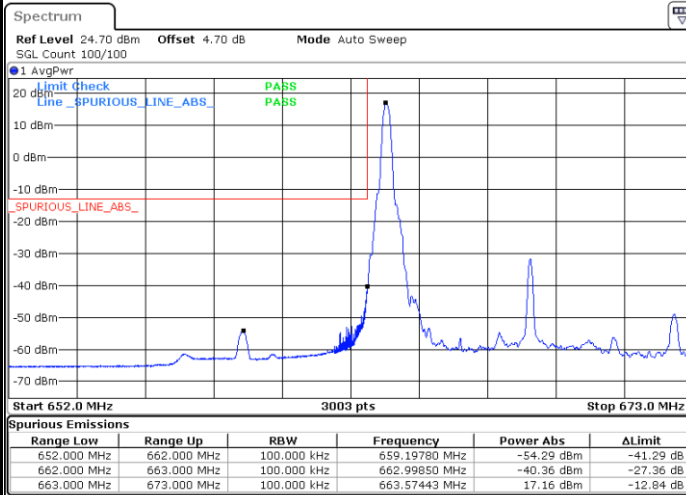
Highest Band Edge / Full RB



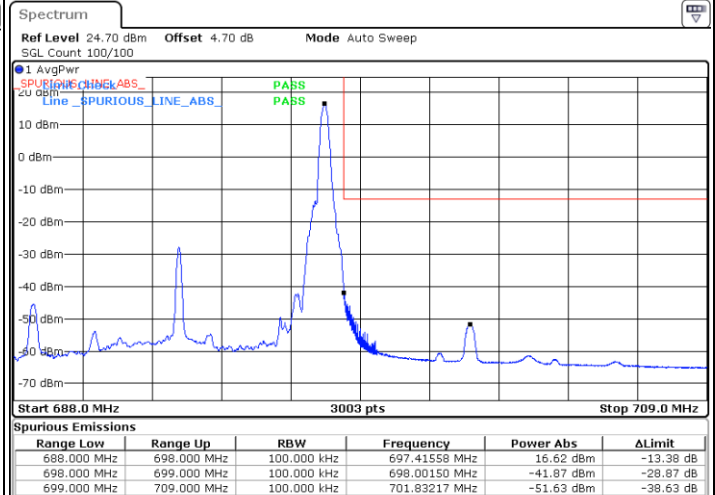


LTE Band 71 / 10MHz / 256QAM

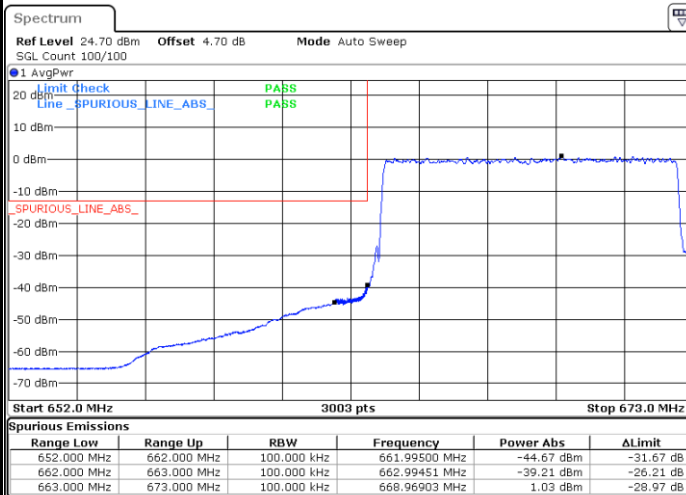
Lowest Band Edge / 1 RB



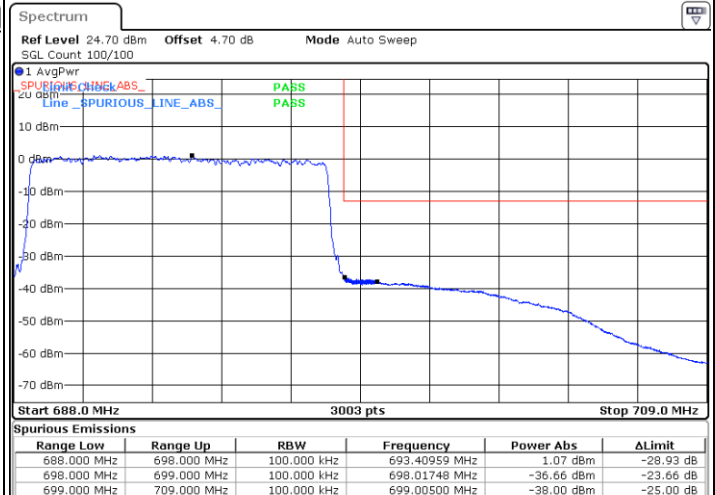
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



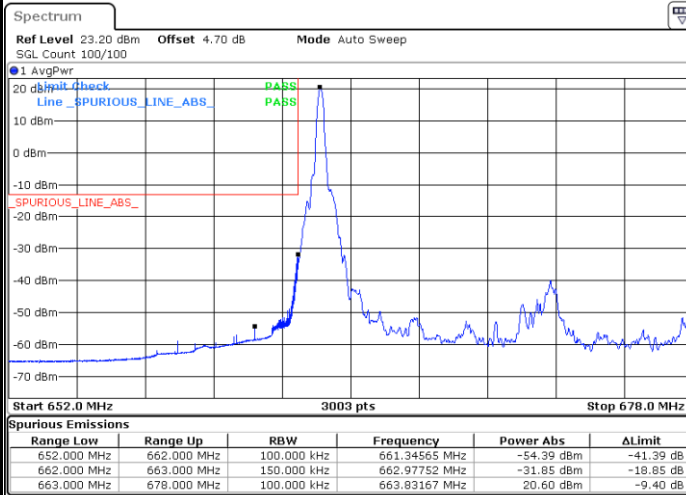
Highest Band Edge / Full RB



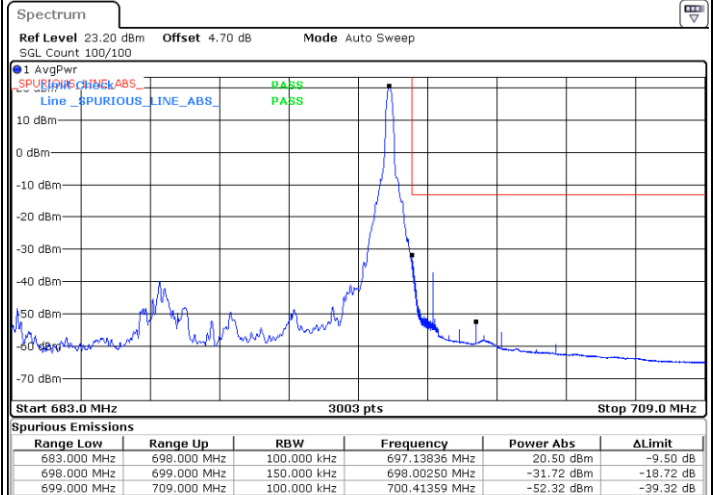


LTE Band 71 / 15MHz / QPSK

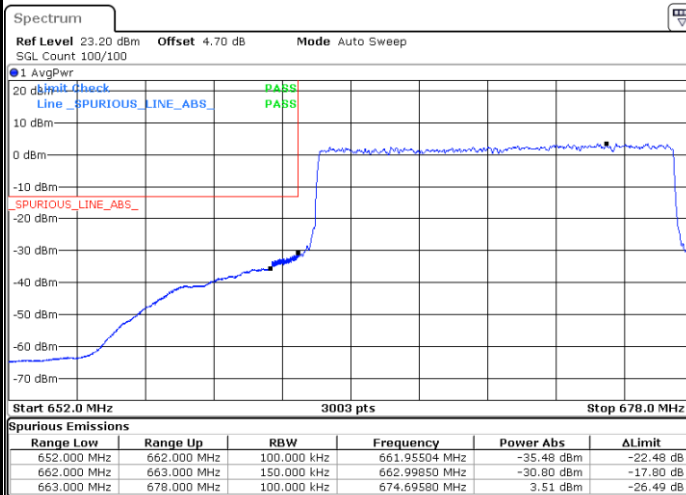
Lowest Band Edge / 1 RB



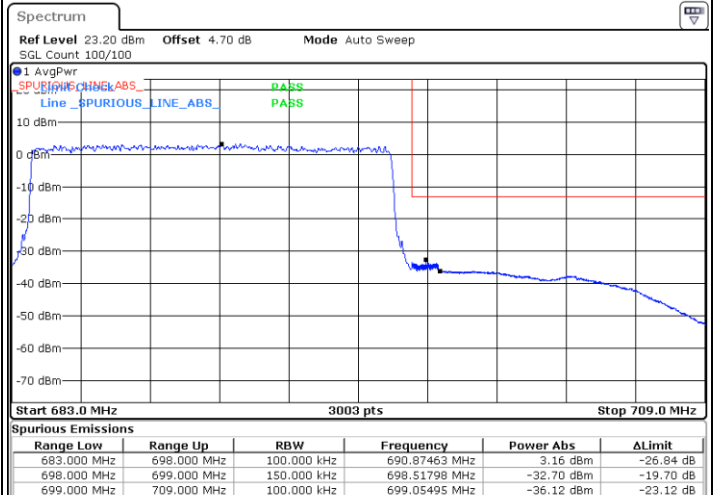
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



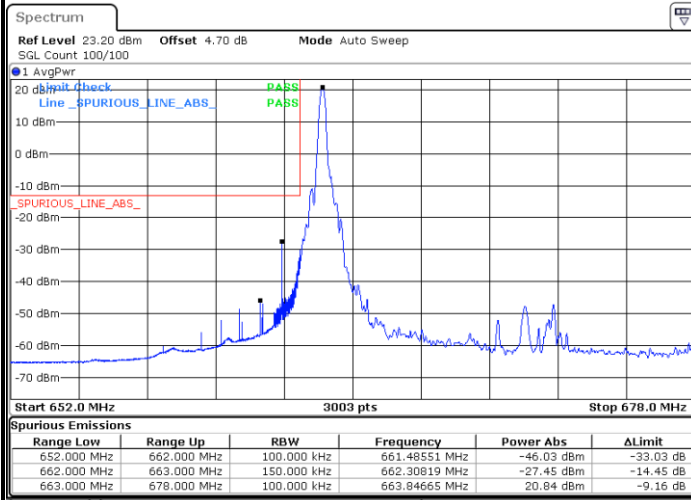
Highest Band Edge / Full RB



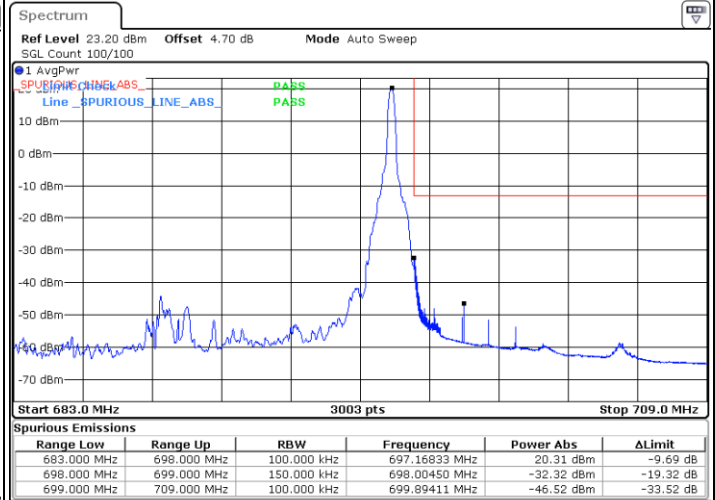


LTE Band 71 / 15MHz / 16QAM

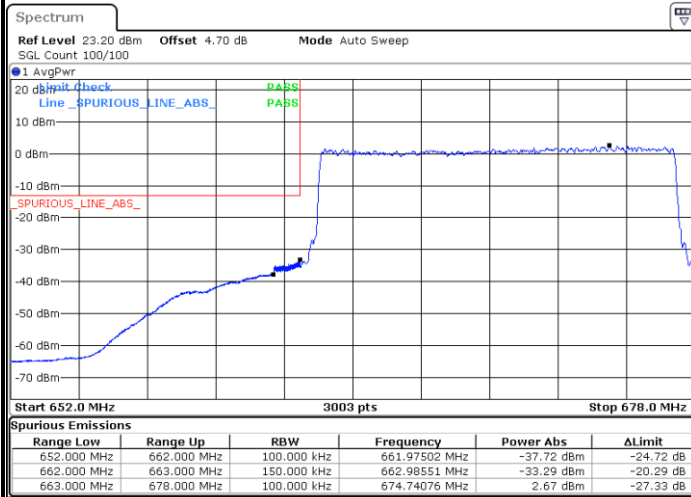
Lowest Band Edge / 1 RB



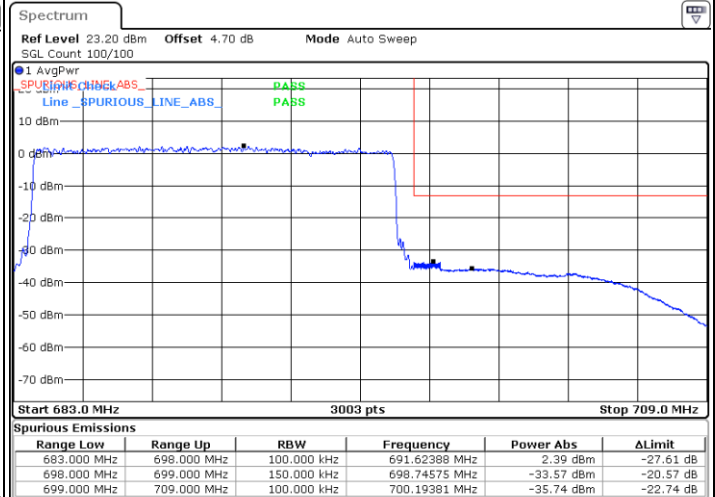
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



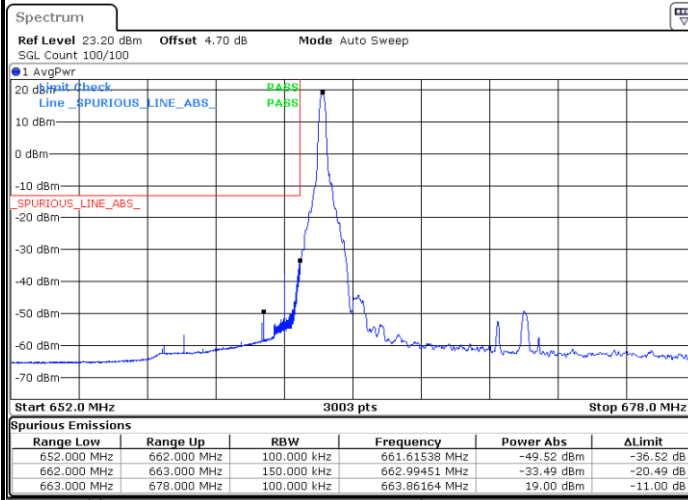
Highest Band Edge / Full RB



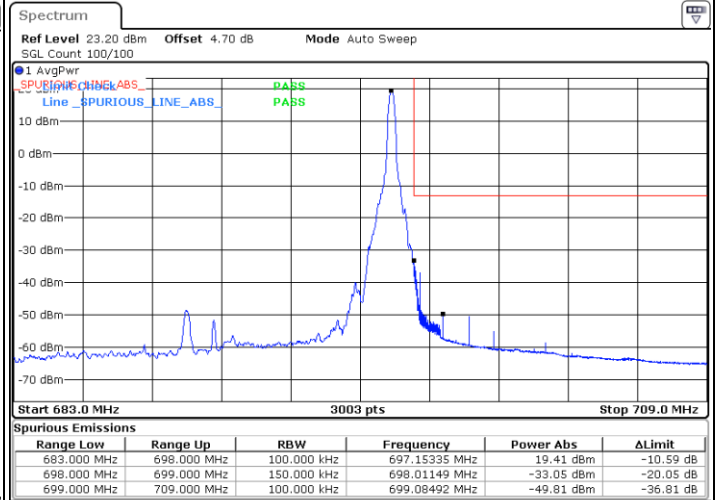


LTE Band 71 / 15MHz / 64QAM

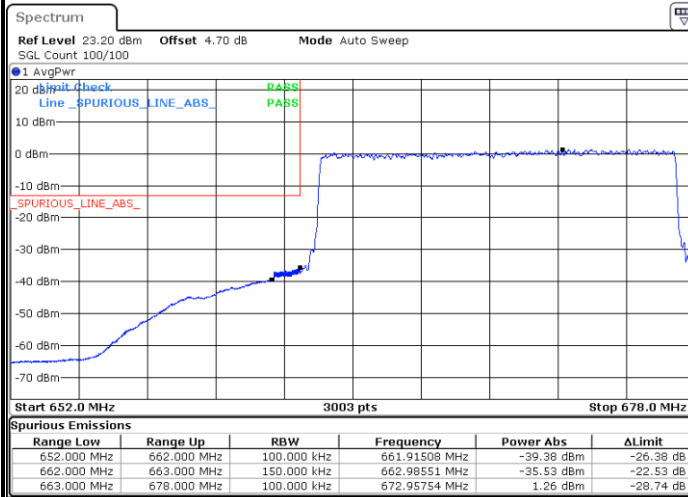
Lowest Band Edge / 1 RB



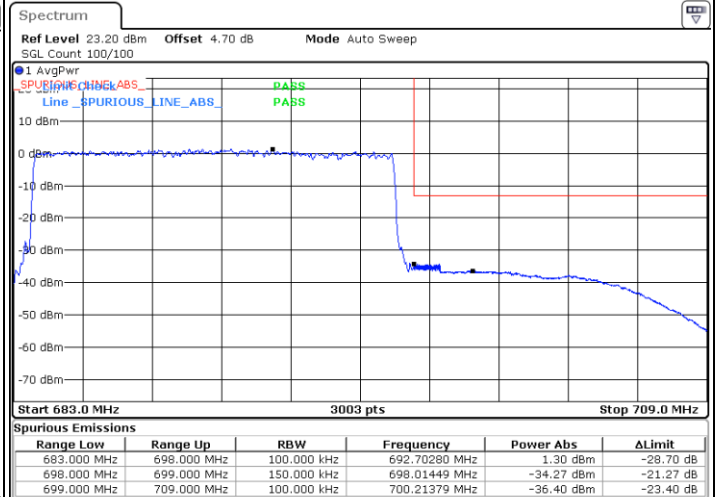
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



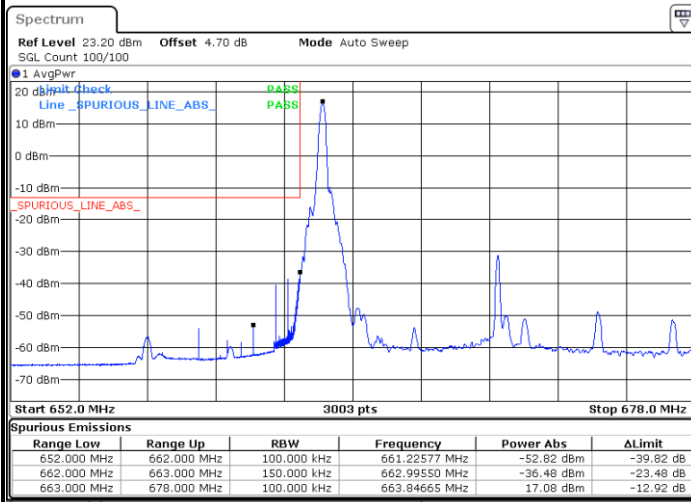
Highest Band Edge / Full RB



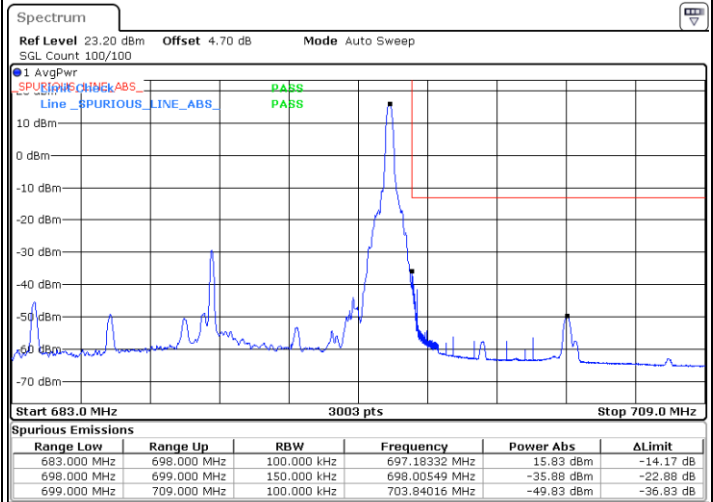


LTE Band 71 / 15MHz / 256QAM

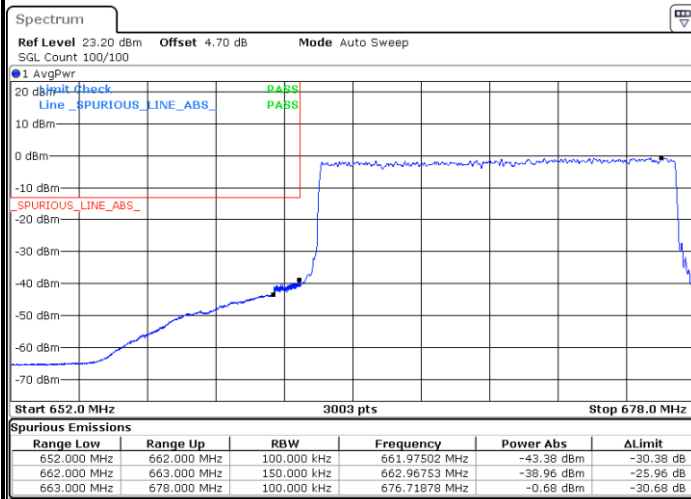
Lowest Band Edge / 1 RB



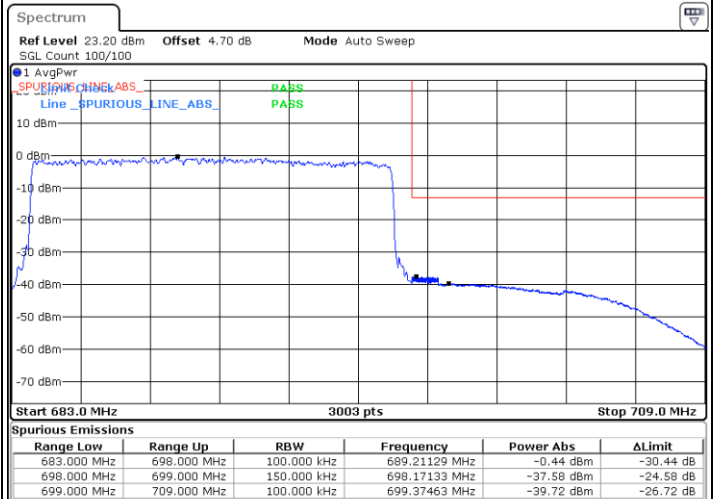
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



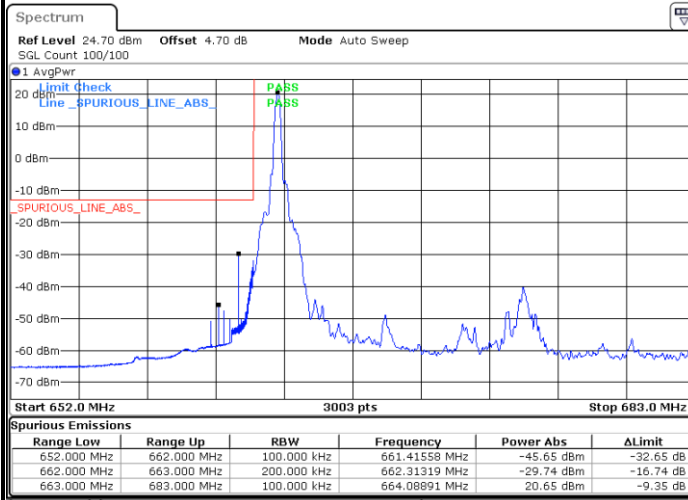
Highest Band Edge / Full RB



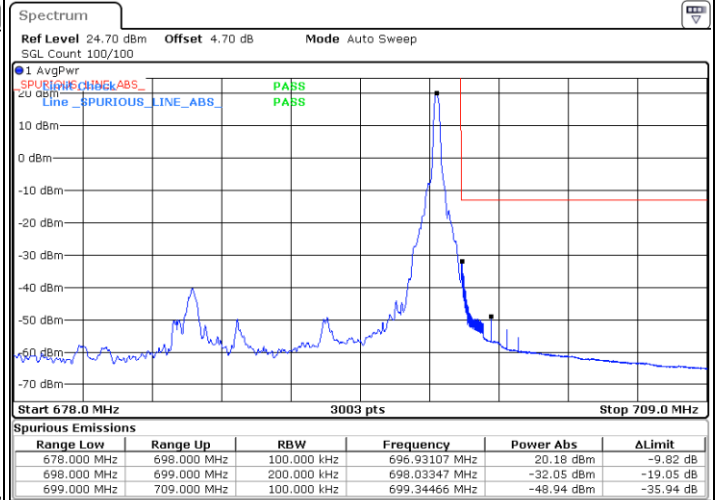


LTE Band 71 / 20MHz / QPSK

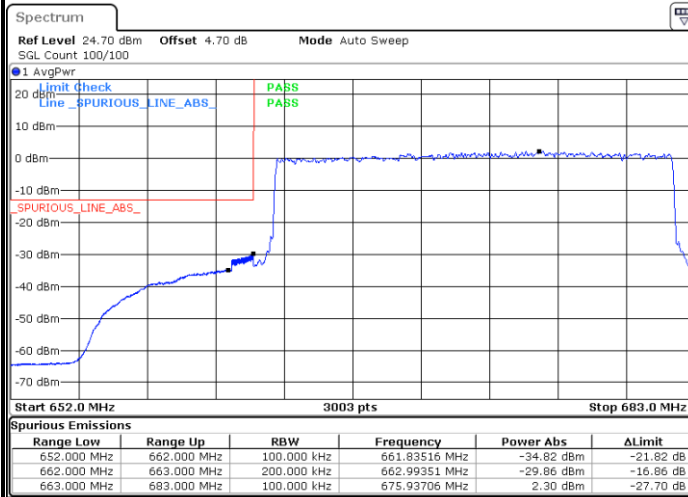
Lowest Band Edge / 1 RB



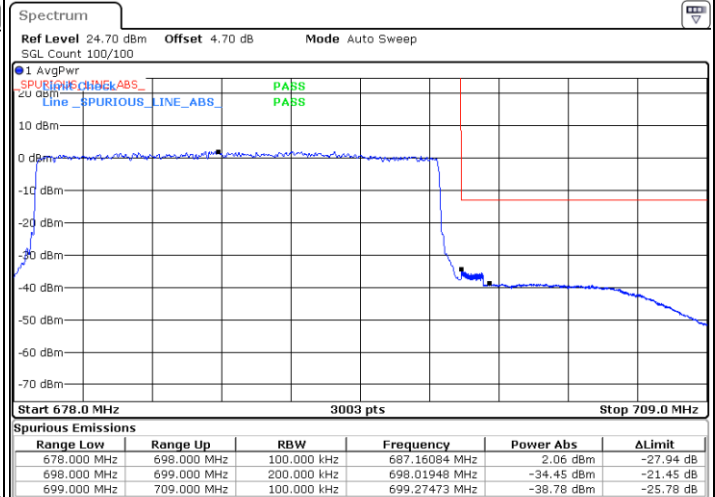
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



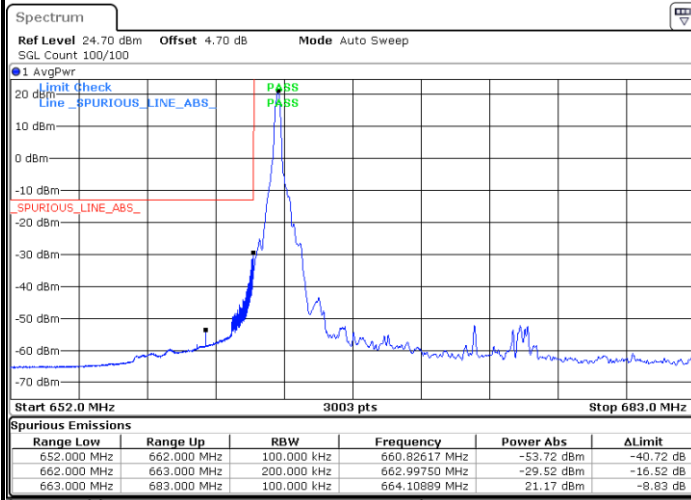
Highest Band Edge / Full RB



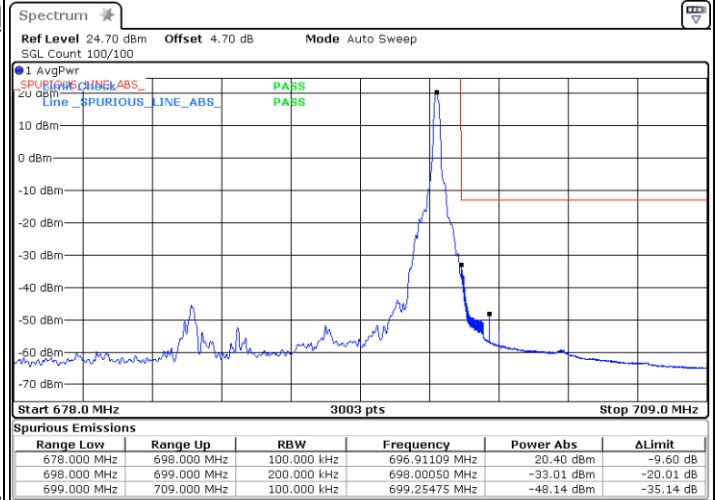


LTE Band 71 / 20MHz / 16QAM

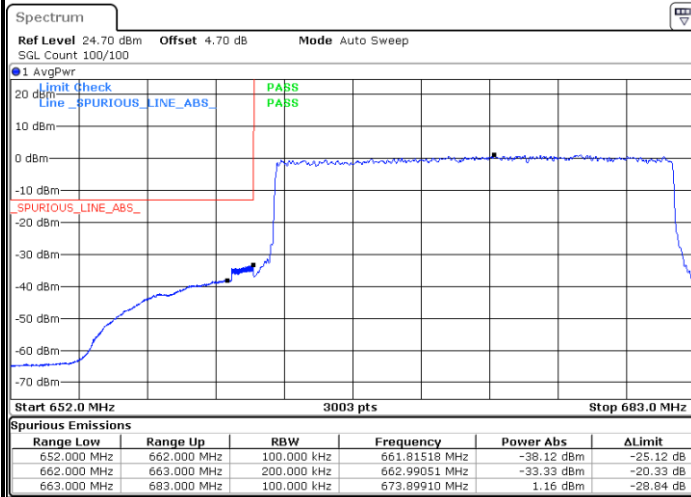
Lowest Band Edge / 1 RB



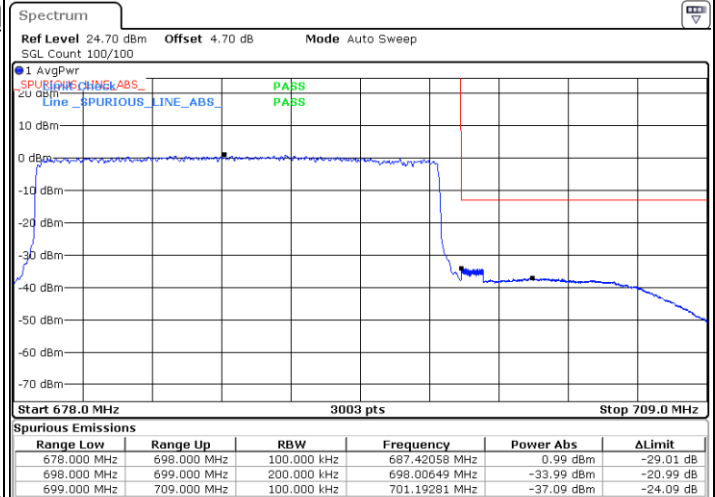
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



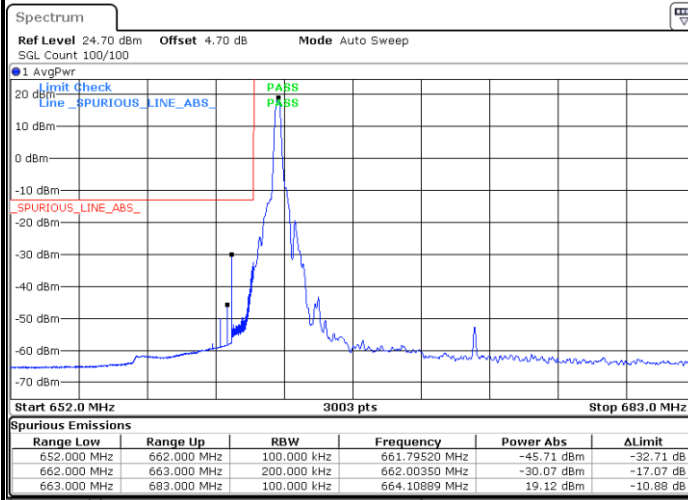
Highest Band Edge / Full RB



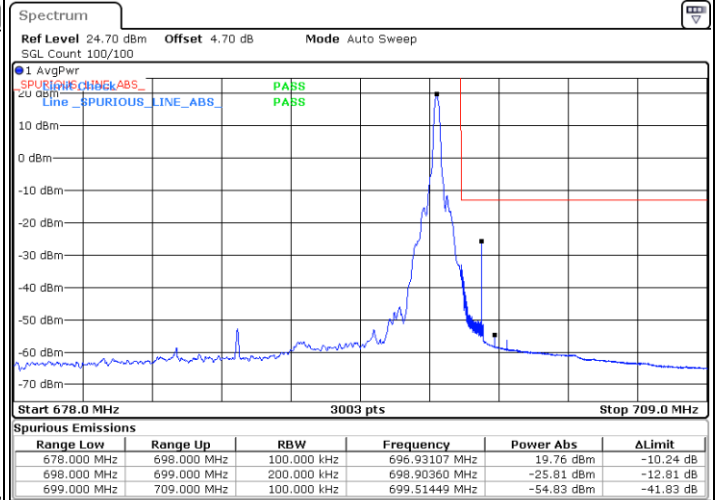


LTE Band 71 / 20MHz / 64QAM

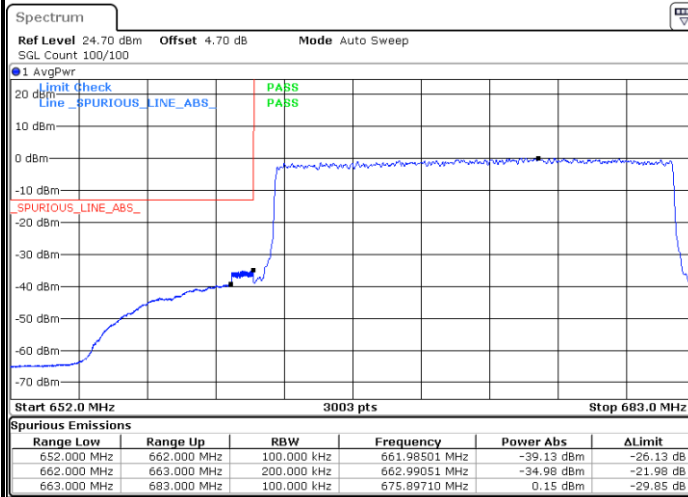
Lowest Band Edge / 1 RB



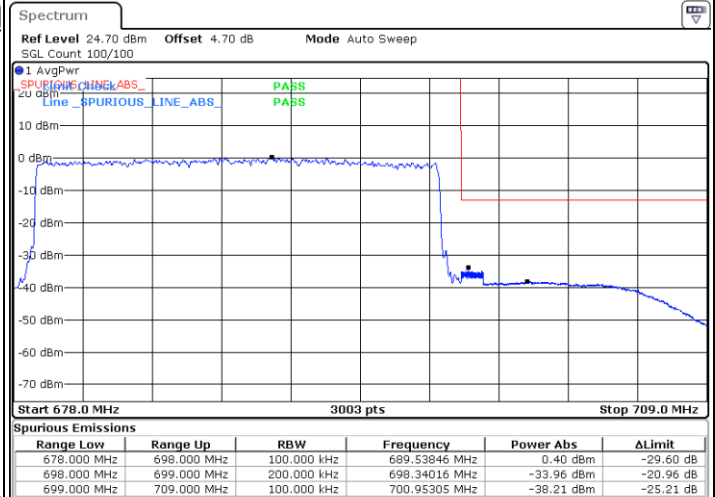
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



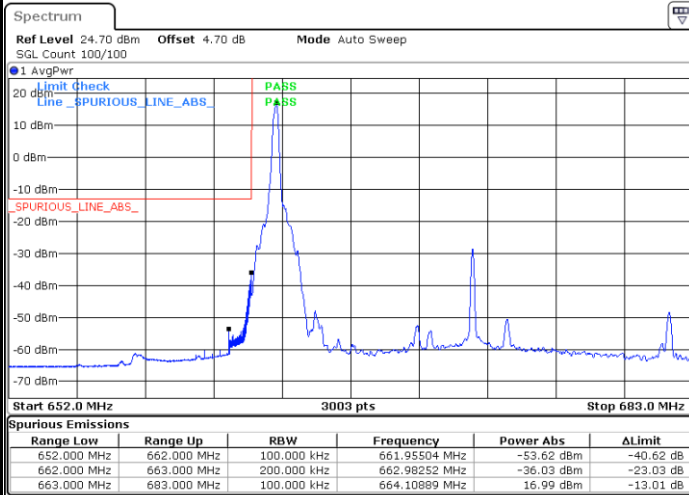
Highest Band Edge / Full RB



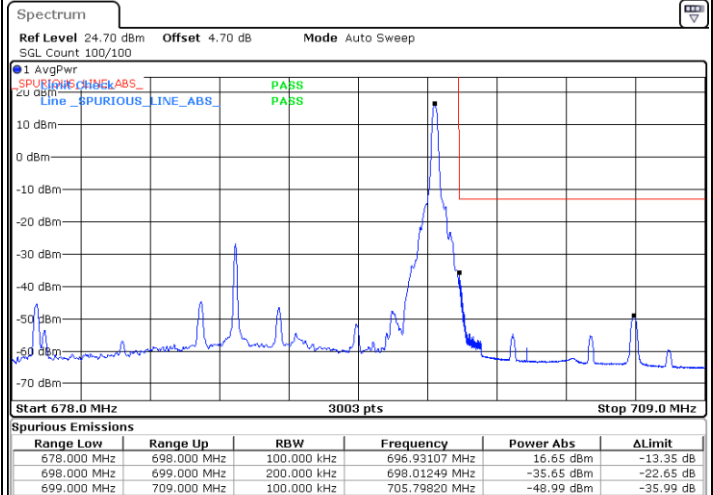


LTE Band 71 / 20MHz / 256QAM

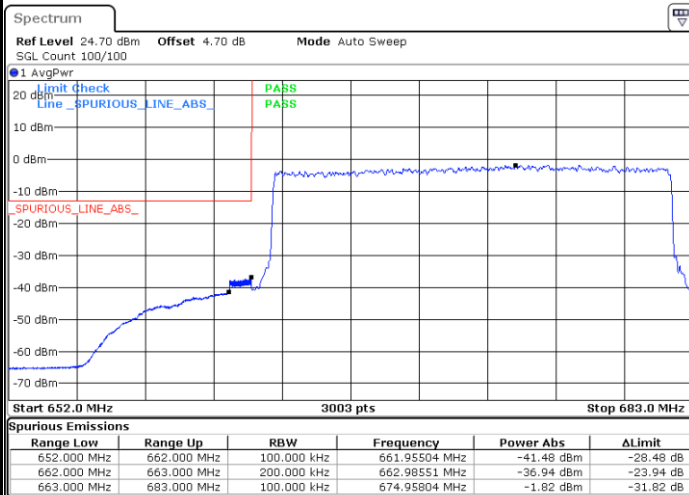
Lowest Band Edge / 1 RB



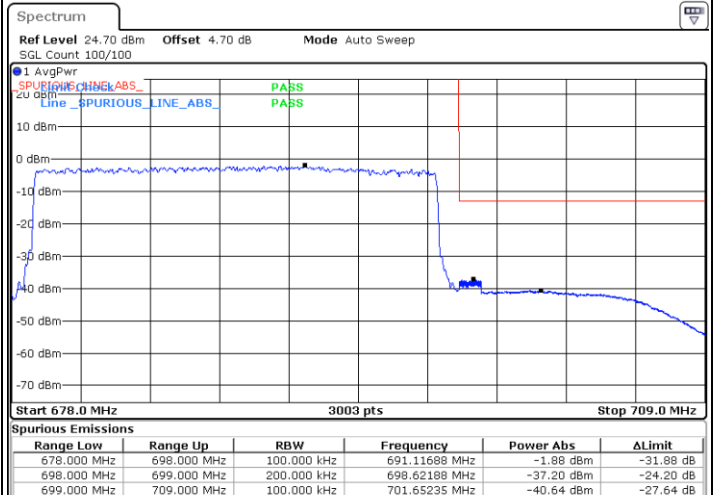
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

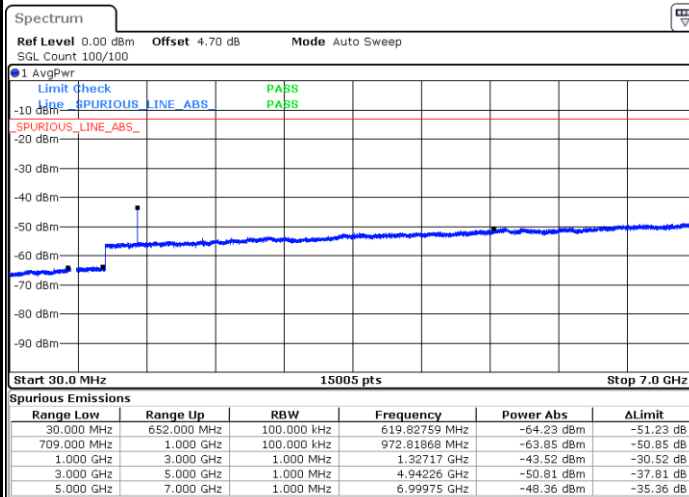




Conducted Spurious Emission

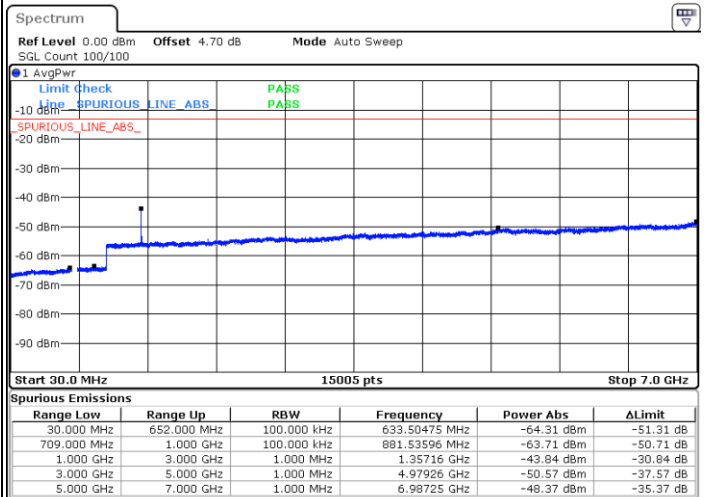
LTE Band 71 / 5MHz

Lowest Channel / QPSK



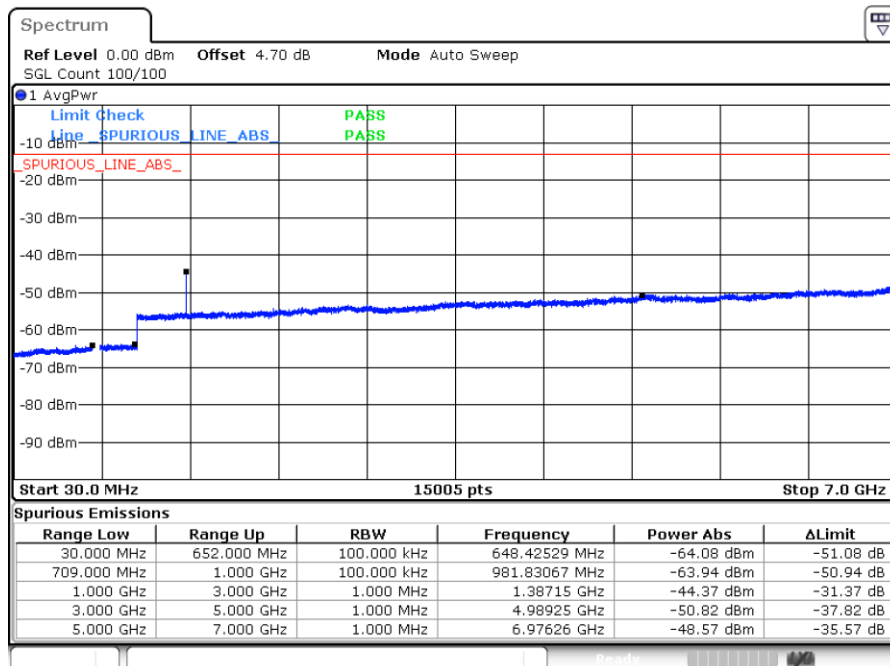
Date: 7.APR.2024 20:38:49

Middle Channel / QPSK



Date: 7.APR.2024 21:51:48

Highest Channel / QPSK

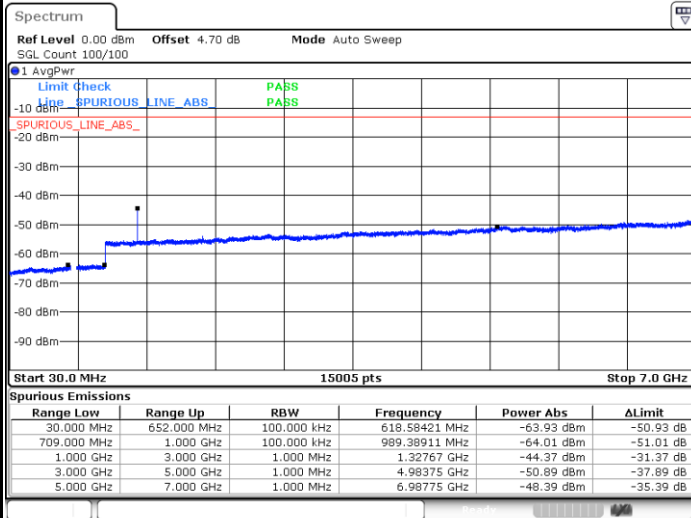


Date: 7.APR.2024 22:06:10



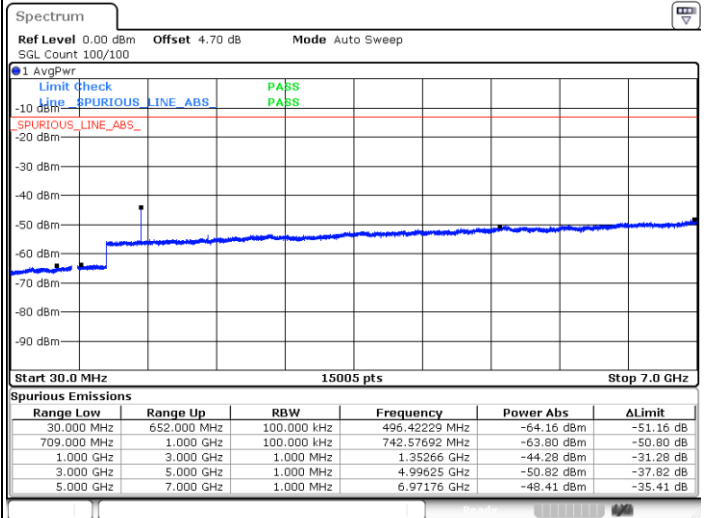
LTE Band 71 / 10MHz

Lowest Channel / QPSK



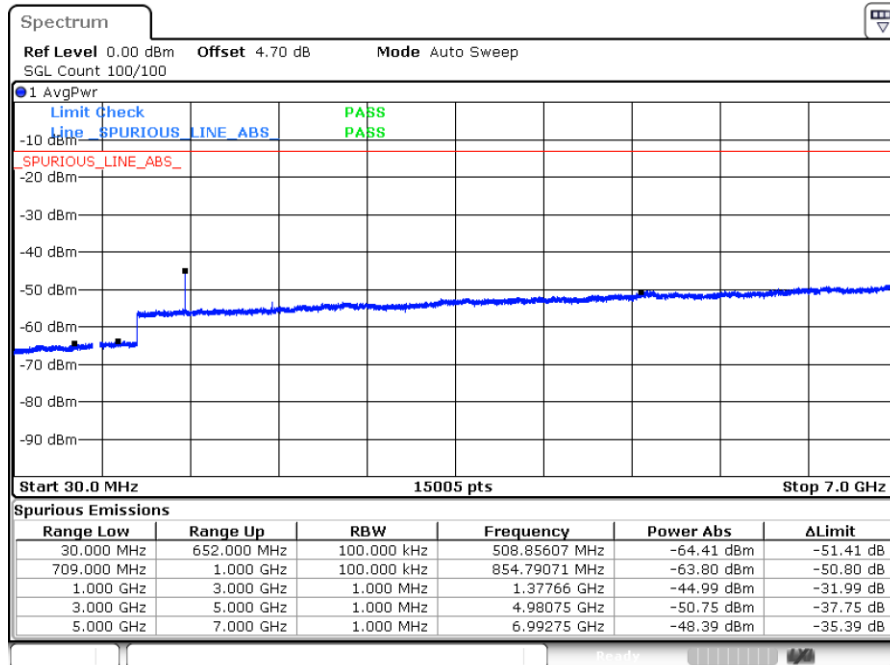
Date: 7.APR.2024 22:23:58

Middle Channel / QPSK



Date: 7.APR.2024 22:21:56

Highest Channel / QPSK

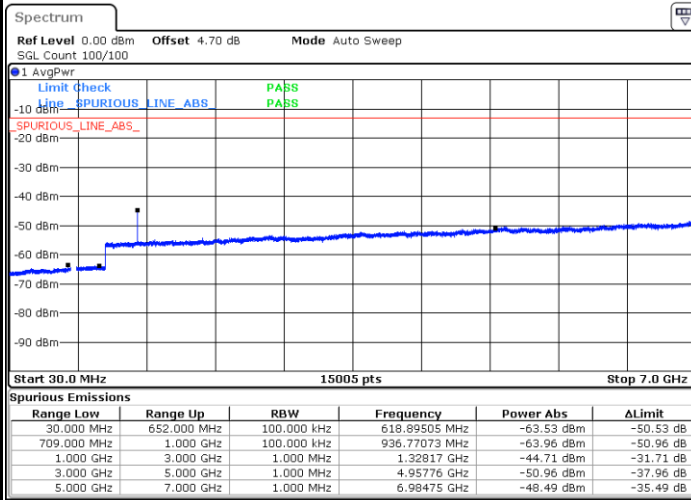


Date: 7.APR.2024 22:51:35



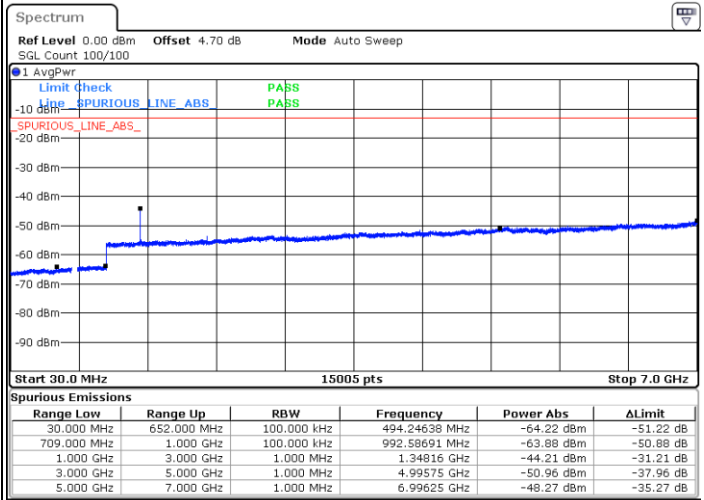
LTE Band 71 / 15MHz

Lowest Channel / QPSK



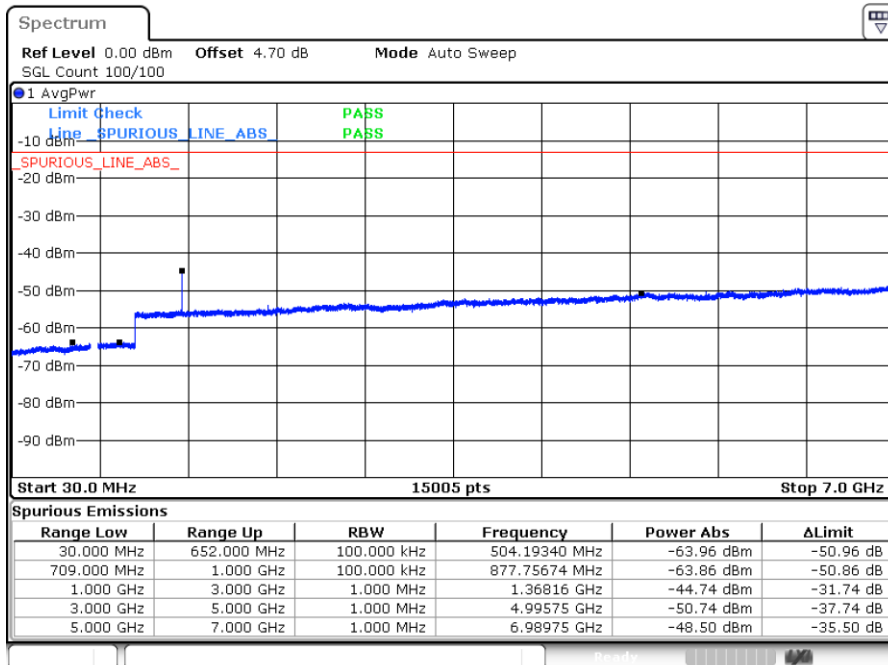
Date: 7.APR.2024 23:02:06

Middle Channel / QPSK



Date: 7.APR.2024 23:00:27

Highest Channel / QPSK

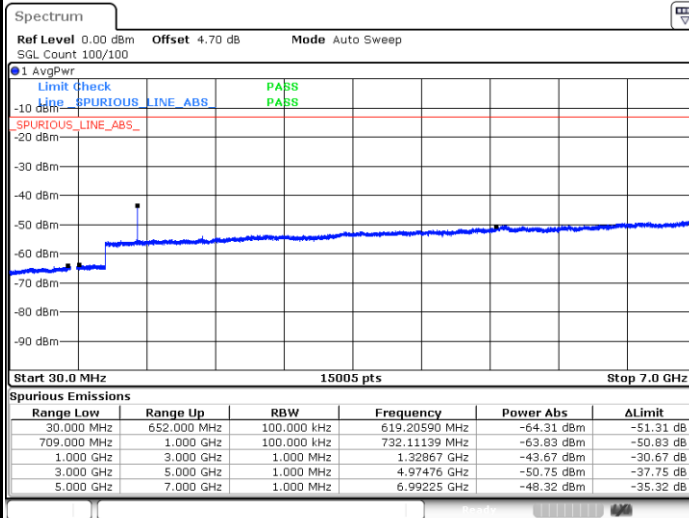


Date: 7.APR.2024 23:54:52



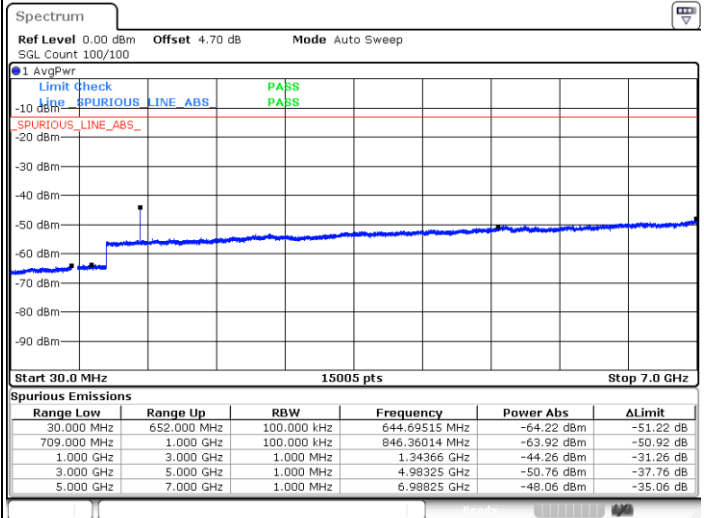
LTE Band 71 / 20MHz

Lowest Channel / QPSK



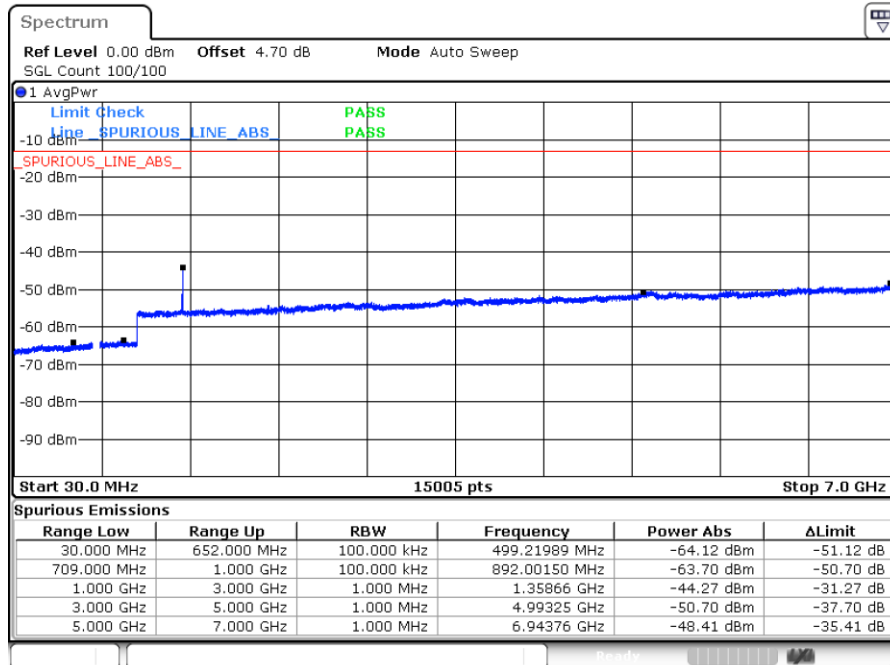
Date: 8.APR.2024 01:00:46

Middle Channel / QPSK



Date: 8.APR.2024 00:59:32

Highest Channel / QPSK



Date: 8.APR.2024 01:14:51

**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	0.0021	PASS
40	Normal Voltage	0.0038	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0046	
0	Normal Voltage	0.0035	
-10	Normal Voltage	0.0027	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0003	
20	Battery End Point	0.0011	

Note:

1. Normal Voltage =3.8V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

LTE Band 12 / 10MHz / QPSK / Main PA								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1400	-67.20	-13	-54.20	-74.17	1.58	10.70	H
	2096	-62.56	-13	-49.56	-70.81	2.102	12.50	H
	2800	-59.38	-13	-46.38	-68.27	2.856	13.90	H
	1400	-67.25	-13	-54.25	-74.22	1.58	10.70	V
	2096	-62.30	-13	-49.30	-70.55	2.10	12.50	V
	2800	-59.22	-13	-46.22	-68.11	2.86	13.90	V
Middle	1408	-68.18	-13	-55.18	-75.15	1.58	10.70	H
	2112	-62.30	-13	-49.30	-70.55	2.102	12.50	H
	2816	-59.19	-13	-46.19	-68.08	2.856	13.90	H
	1408	-67.30	-13	-54.30	-74.27	1.58	10.70	V
	2112	-61.84	-13	-48.84	-70.09	2.10	12.50	V
	2816	-59.41	-13	-46.41	-68.30	2.86	13.90	V
Highest	1416	-67.81	-13	-54.81	-74.78	1.58	10.70	H
	2120	-62.80	-13	-49.80	-71.05	2.102	12.50	H
	2824	-59.07	-13	-46.07	-67.96	2.856	13.90	H
	1416	-67.47	-13	-54.47	-74.44	1.58	10.70	V
	2120	-61.81	-13	-48.81	-70.06	2.10	12.50	V
	2824	-59.19	-13	-46.19	-68.08	2.86	13.90	V

EN-DC_12A_n77A / LTE 10MHz + NR 100MHz / QPSK / other PA								
Channel	Frequency (MHz)	ERP/EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1400	-58.53	-13	-45.53	-65.50	1.58	10.70	H
	2096	-53.86	-13	-40.86	-62.11	2.102	12.50	H
	2800	-50.62	-13	-37.62	-59.51	2.856	13.90	H
	1400	-57.47	-13	-44.47	-64.44	1.58	10.70	V
	2096	-52.48	-13	-39.48	-60.73	2.10	12.50	V
	2800	-49.70	-13	-36.70	-58.59	2.86	13.90	V
Middle	1408	-59.03	-13	-46.03	-66.00	1.58	10.70	H
	2112	-51.04	-13	-38.04	-59.29	2.102	12.50	H
	2816	-50.15	-13	-37.15	-59.04	2.856	13.90	H
	1408	-59.16	-13	-46.16	-66.13	1.58	10.70	V
	2112	-52.79	-13	-39.79	-61.04	2.10	12.50	V
	2816	-50.59	-13	-37.59	-59.48	2.86	13.90	V
Highest	1416	-58.45	-13	-45.45	-65.42	1.58	10.70	H
	2120	-52.03	-13	-39.03	-60.28	2.102	12.50	H
	2824	-51.02	-13	-38.02	-59.91	2.856	13.90	H
	1416	-58.33	-13	-45.33	-65.30	1.58	10.70	V
	2120	-51.87	-13	-38.87	-60.12	2.10	12.50	V
	2824	-49.21	-13	-36.21	-58.10	2.86	13.90	V



LTE Band 13 / 5MHz / QPSK / Main PA								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1552	-66.90	-13	-53.90	-69.53	1.09	5.87	H
	2336	-61.92	-13	-48.92	-64.32	1.37	5.92	H
	3112	-60.80	-13	-47.80	-64.69	1.64	7.68	H
	1552	-66.48	-13	-53.48	-69.11	1.09	5.87	V
	2336	-60.42	-13	-47.42	-62.82	1.37	5.92	V
	3112	-60.11	-13	-47.11	-64.00	1.64	7.68	V
Middle	1560	-66.50	-42.15	-24.35	-69.13	1.09	5.87	H
	2336	-61.11	-13	-48.11	-63.51	1.37	5.92	H
	3120	-60.46	-13	-47.46	-64.35	1.64	7.68	H
	1560	-66.34	-42.15	-24.19	-68.97	1.09	5.87	V
	2336	-60.19	-13	-47.19	-62.59	1.37	5.92	V
	3120	-60.89	-13	-47.89	-64.78	1.64	7.68	V
Highest	1568	-66.41	-42.15	-24.26	-69.04	1.09	5.87	H
	2344	-61.95	-13	-48.95	-64.35	1.37	5.92	H
	3128	-60.27	-13	-47.27	-64.16	1.64	7.68	H
	1568	-65.96	-42.15	-23.81	-68.59	1.09	5.87	V
	2344	-60.52	-13	-47.52	-62.92	1.37	5.92	V
	3128	-60.62	-13	-47.62	-64.51	1.64	7.68	V

LTE Band 13 / 10MHz / QPSK / Main PA								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1552	-66.98	-13	-53.98	-69.61	1.09	5.87	H
	2336	-61.47	-13	-48.47	-63.87	1.37	5.92	H
	3112	-60.62	-13	-47.62	-64.51	1.64	7.68	H
	1552	-66.28	-13	-53.28	-68.91	1.09	5.87	V
	2336	-59.94	-13	-46.94	-62.34	1.37	5.92	V
	3112	-60.26	-13	-47.26	-64.15	1.64	7.68	V



EN-DC_13A_n77A / LTE 5MHz + NR 100MHz / QPSK / other PA								
Channel	Frequency (MHz)	ERP/EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1552	-57.55	-13	-44.55	-60.18	1.09	5.87	H
	2336	-52.48	-13	-39.48	-54.88	1.37	5.92	H
	3112	-52.11	-13	-39.11	-56.00	1.64	7.68	H
	1552	-56.23	-13	-43.23	-58.86	1.09	5.87	V
	2336	-50.20	-13	-37.20	-52.60	1.37	5.92	V
	3112	-52.08	-13	-39.08	-55.97	1.64	7.68	V
Middle	1560	-57.40	-42.15	-15.25	-60.03	1.09	5.87	H
	2336	-52.27	-13	-39.27	-54.67	1.37	5.92	H
	3120	-51.81	-13	-38.81	-55.70	1.64	7.68	H
	1560	-57.38	-42.15	-15.23	-60.01	1.09	5.87	V
	2336	-50.94	-13	-37.94	-53.34	1.37	5.92	V
	3120	-51.93	-13	-38.93	-55.82	1.64	7.68	V
Highest	1568	-57.76	-42.15	-15.61	-60.39	1.09	5.87	H
	2344	-52.93	-13	-39.93	-55.33	1.37	5.92	H
	3128	-51.44	-13	-38.44	-55.33	1.64	7.68	H
	1568	-54.78	-42.15	-12.63	-57.41	1.09	5.87	V
	2344	-51.23	-13	-38.23	-53.63	1.37	5.92	V
	3128	-51.27	-13	-38.27	-55.16	1.64	7.68	V

EN-DC_13A_n77A / LTE 10MHz + NR 100MHz / QPSK / other PA								
Channel	Frequency (MHz)	ERP/EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1552	-56.50	-13	-43.50	-59.13	1.09	5.87	H
	2336	-51.83	-13	-38.83	-54.23	1.37	5.92	H
	3112	-51.68	-13	-38.68	-55.57	1.64	7.68	H
	1552	-57.07	-13	-44.07	-59.70	1.09	5.87	V
	2336	-50.91	-13	-37.91	-53.31	1.37	5.92	V
	3112	-52.76	-13	-39.76	-56.65	1.64	7.68	V



LTE Band 71 / 20MHz / QPSK / Main PA								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1328	-68.02	-13	-55.02	-69.77	1.02	4.92	H
	1992	-42.16	-13	-29.16	-44.13	1.27	5.39	H
	2656	-60.96	-13	-47.96	-63.89	1.49	6.57	H
	1328	-67.01	-13	-54.01	-68.76	1.02	4.92	V
	1992	-50.16	-13	-37.16	-52.13	1.27	5.39	V
	2656	-60.52	-13	-47.52	-63.45	1.49	6.57	V
Middle	1352	-68.09	-13	-55.09	-69.84	1.02	4.92	H
	2024	-39.66	-13	-26.66	-41.63	1.27	5.39	H
	2696	-61.29	-13	-48.29	-64.22	1.49	6.57	H
	1352	-67.44	-13	-54.44	-69.19	1.02	4.92	V
	2024	-41.24	-13	-28.24	-43.21	1.27	5.39	V
	2696	-60.67	-13	-47.67	-63.60	1.49	6.57	V
Highest	1360	-66.35	-13	-53.35	-68.10	1.02	4.92	H
	2040	-40.48	-13	-27.48	-42.45	1.27	5.39	H
	2720	-60.26	-13	-47.26	-63.19	1.49	6.57	H
	3392	-55.64	-13	-42.64	-59.04	1.73	7.28	H
	1360	-66.73	-13	-53.73	-68.48	1.02	4.92	V
	2040	-48.34	-13	-35.34	-50.31	1.27	5.39	V
	2720	-59.81	-13	-46.81	-62.74	1.49	6.57	V
	3392	-60.30	-13	-47.30	-63.70	1.73	7.28	V

EN-DC_71A_n7A / LTE 20MHz + NR 40MHz / QPSK / other PA								
Channel	Frequency (MHz)	ERP/EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1328	-68.09	-13	-55.09	-69.84	1.02	4.92	H
	1992	-62.96	-13	-49.96	-64.93	1.27	5.39	H
	2656	-57.49	-13	-44.49	-60.42	1.49	6.57	H
	1328	-67.51	-13	-54.51	-69.26	1.02	4.92	V
	1992	-62.38	-13	-49.38	-64.35	1.27	5.39	V
	2656	-60.13	-13	-47.13	-63.06	1.49	6.57	V
Middle	1348	-68.05	-13	-55.05	-69.80	1.02	4.92	H
	2022	-62.90	-13	-49.90	-64.87	1.27	5.39	H
	2696	-61.33	-13	-48.33	-64.26	1.49	6.57	H
	1348	-67.78	-13	-54.78	-69.53	1.02	4.92	V
	2022	-61.65	-13	-48.65	-63.62	1.27	5.39	V
	2696	-60.66	-13	-47.66	-63.59	1.49	6.57	V
Highest	1358	-67.70	-13	-54.70	-69.45	1.02	4.92	H
	2037	-62.54	-13	-49.54	-64.51	1.27	5.39	H
	2716	-60.66	-13	-47.66	-63.59	1.49	6.57	H
	1360	-66.73	-13	-53.73	-68.48	1.02	4.92	V
	2040	-48.34	-13	-35.34	-50.31	1.27	5.39	V
	2720	-59.81	-13	-46.81	-62.74	1.49	6.57	V

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