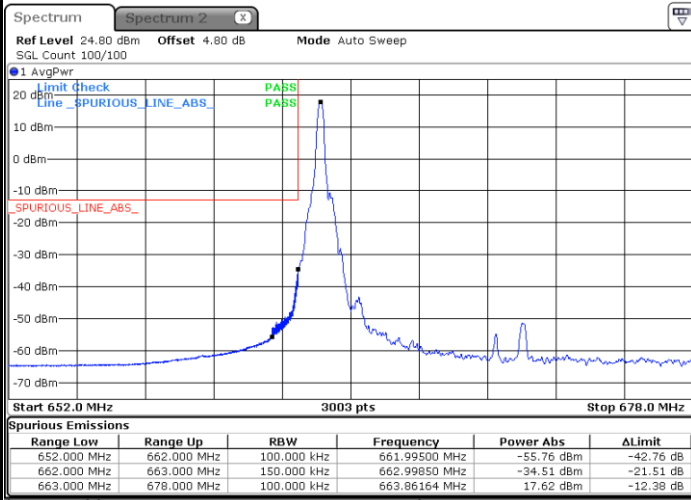




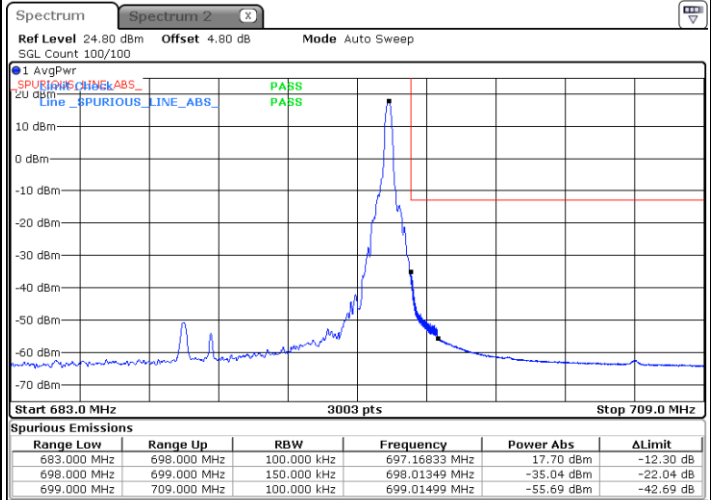
LTE Band 71 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



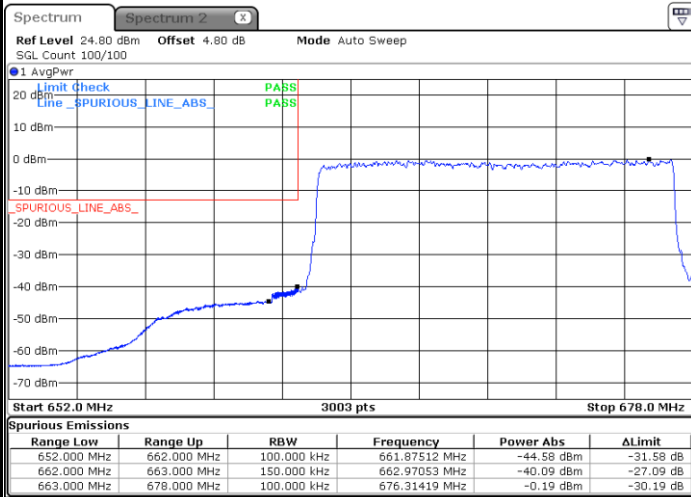
Date: 19.OCT.2023 23:06:11

Highest Band Edge / 1 RB



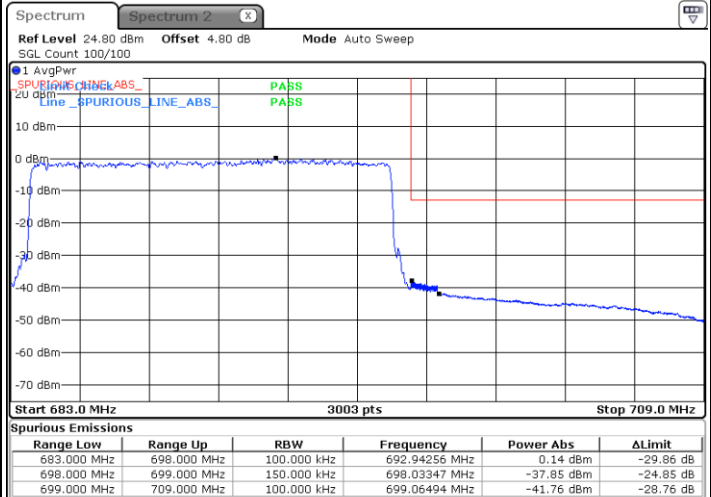
Date: 19.OCT.2023 23:16:26

Lowest Band Edge / Full RB



Date: 19.OCT.2023 22:57:26

Highest Band Edge / Full RB

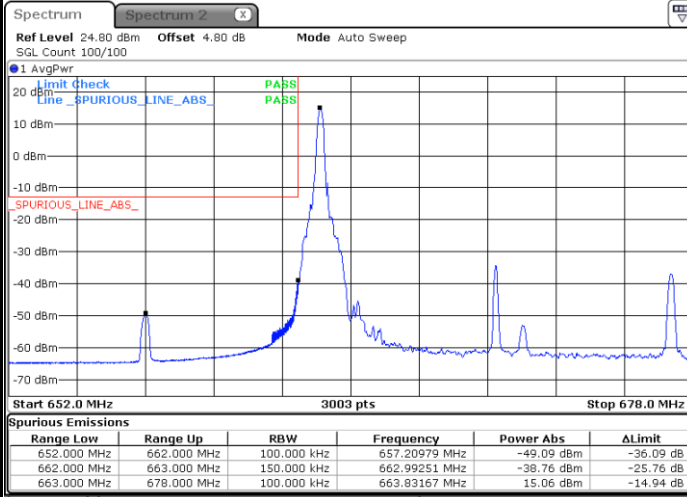


Date: 19.OCT.2023 23:21:20



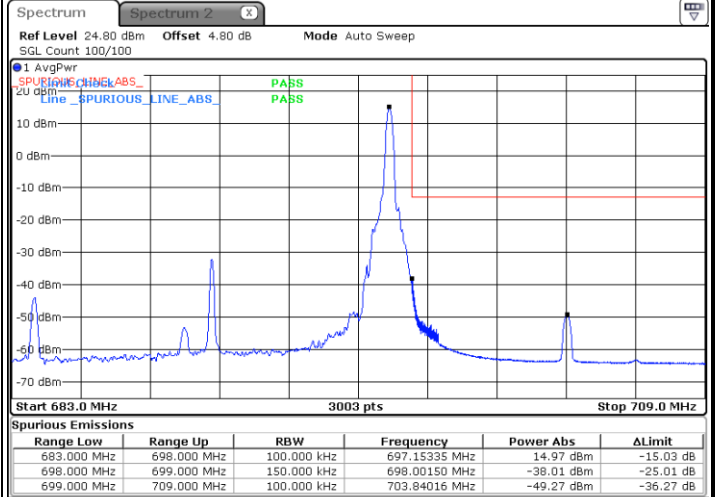
LTE Band 71 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



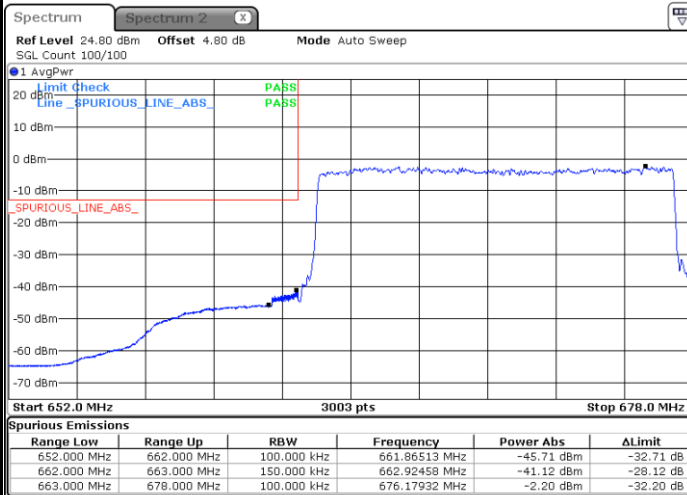
Date: 19.OCT.2023 23:07:23

Highest Band Edge / 1 RB



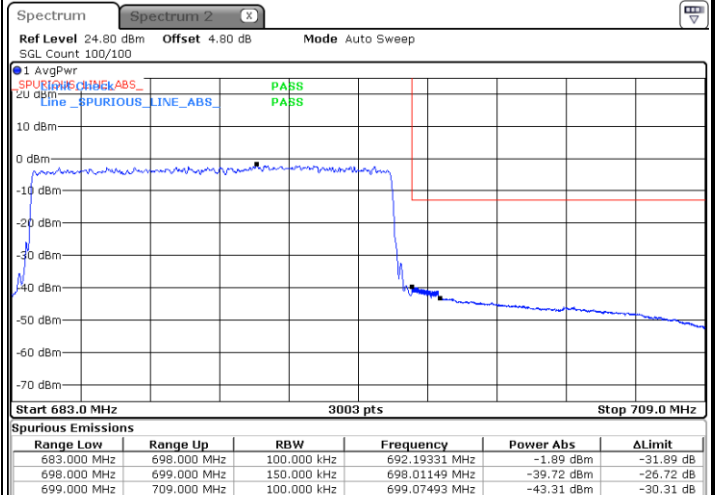
Date: 19.OCT.2023 23:17:38

Lowest Band Edge / Full RB



Date: 19.OCT.2023 22:58:39

Highest Band Edge / Full RB

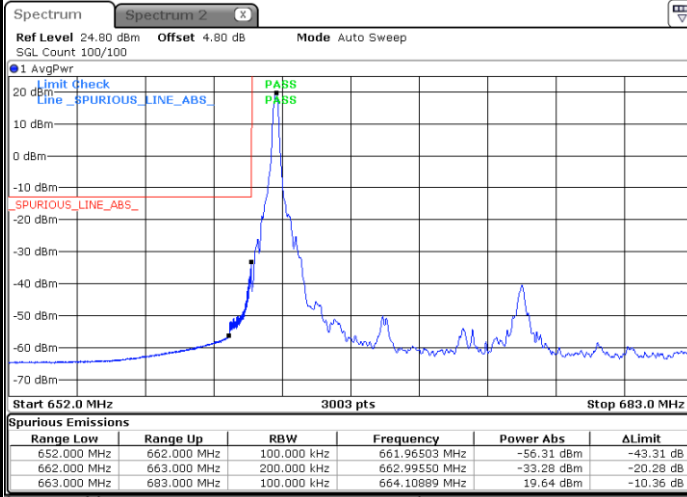


Date: 19.OCT.2023 23:22:32



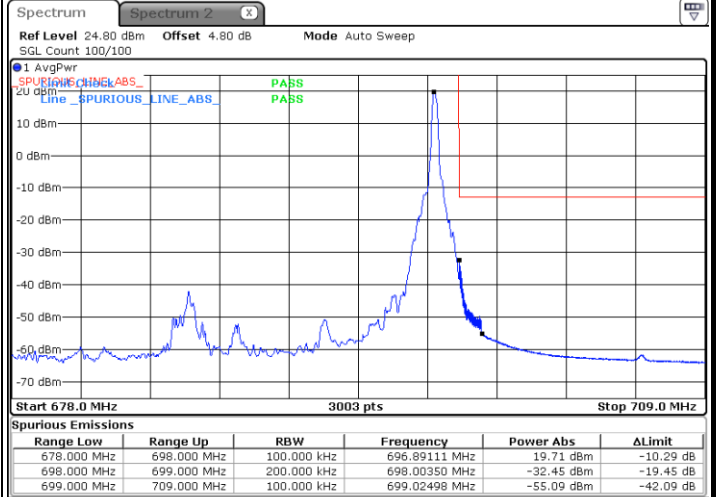
LTE Band 71 / 20MHz / QPSK

Lowest Band Edge / 1 RB



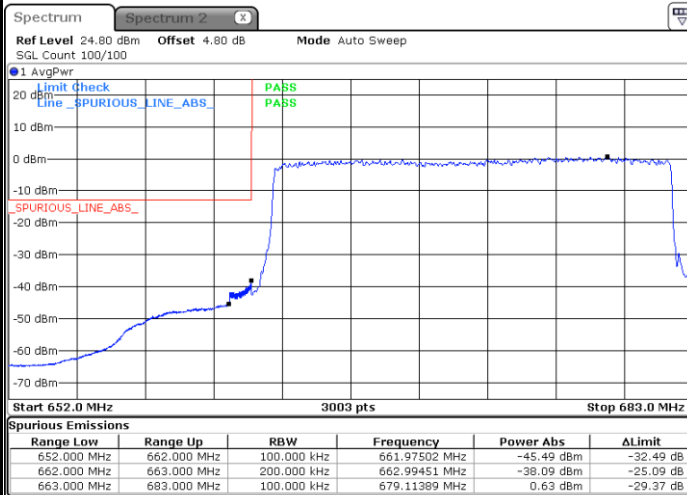
Date: 19.OCT.2023 23:29:32

Highest Band Edge / 1 RB



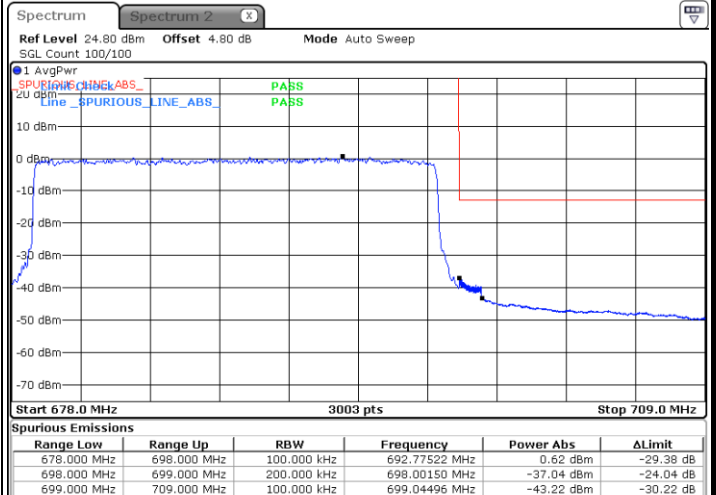
Date: 19.OCT.2023 23:39:45

Lowest Band Edge / Full RB



Date: 19.OCT.2023 23:24:42

Highest Band Edge / Full RB

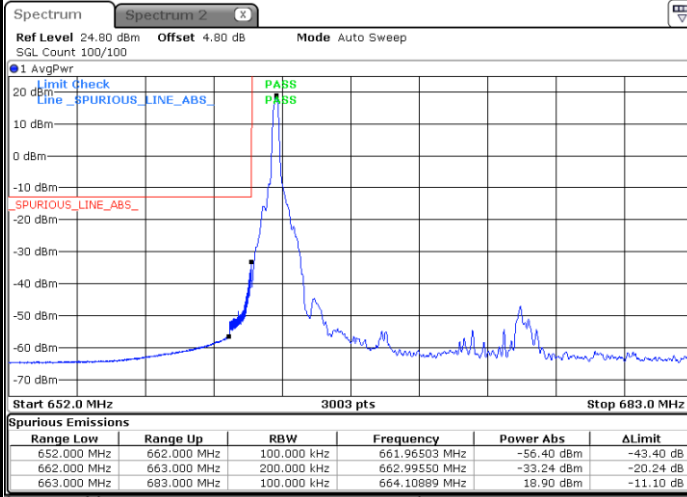


Date: 19.OCT.2023 23:44:38

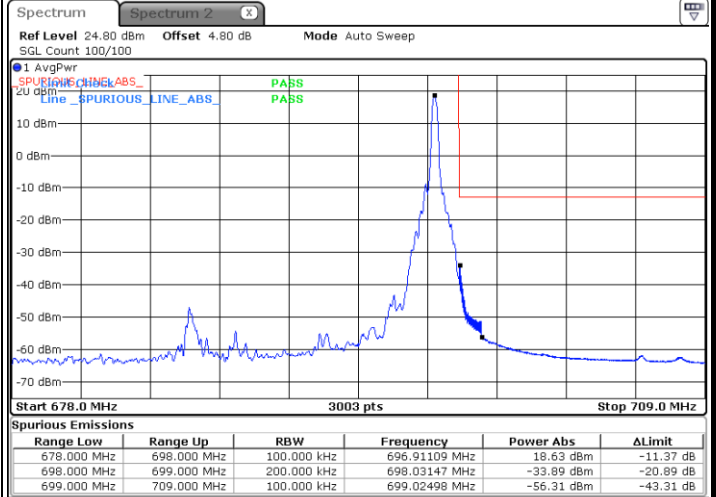


LTE Band 71 / 20MHz / 16QAM

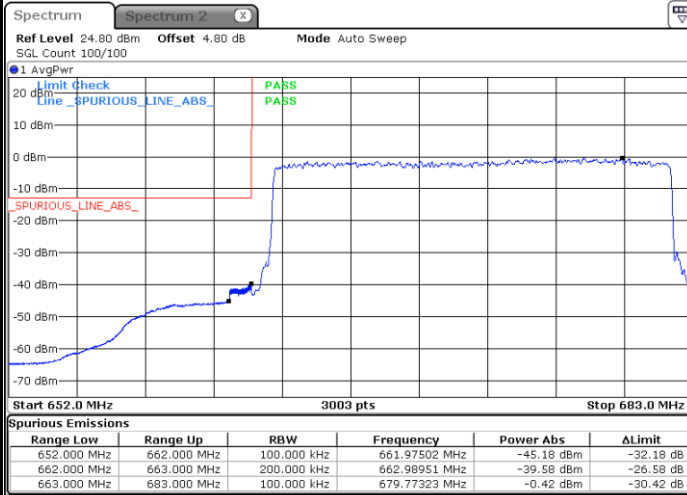
Lowest Band Edge / 1 RB



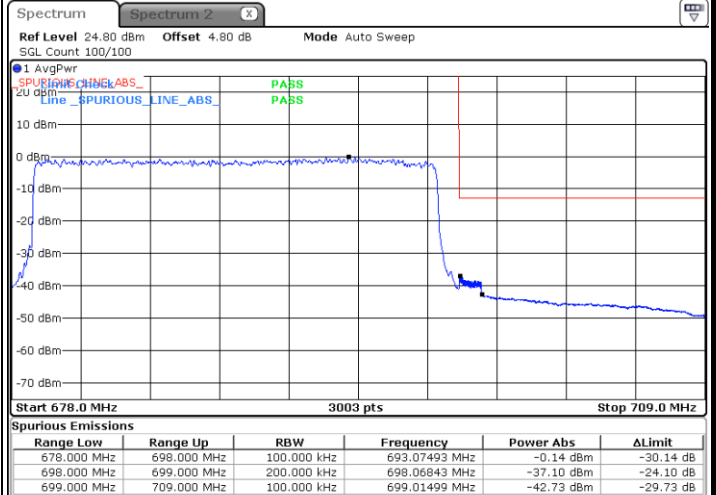
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



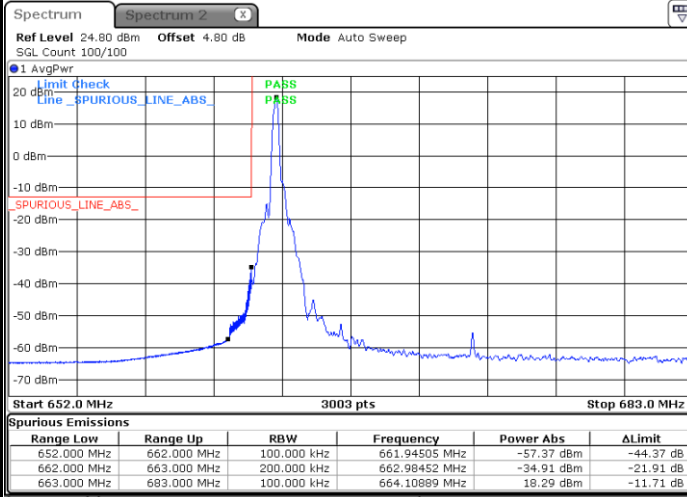
Highest Band Edge / Full RB





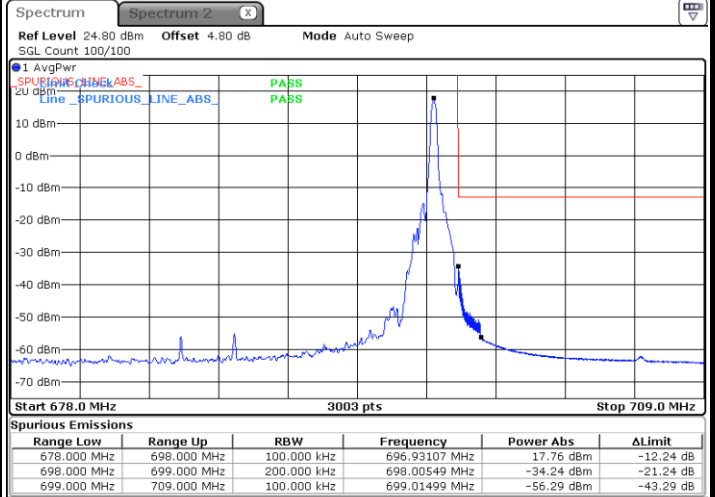
LTE Band 71 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



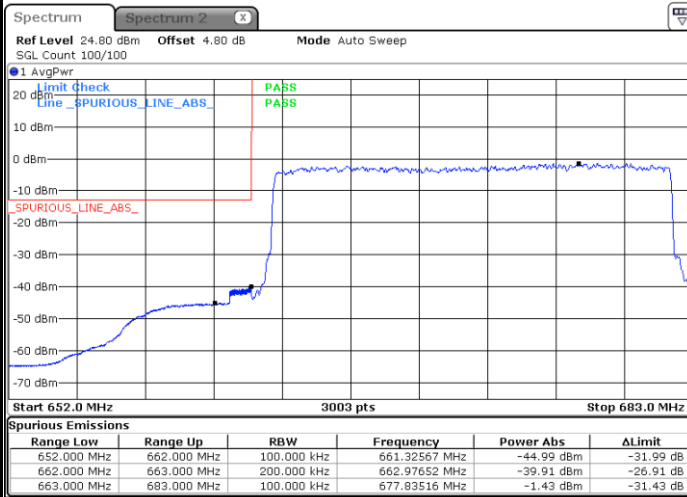
Date: 19.OCT.2023 23:31:56

Highest Band Edge / 1 RB



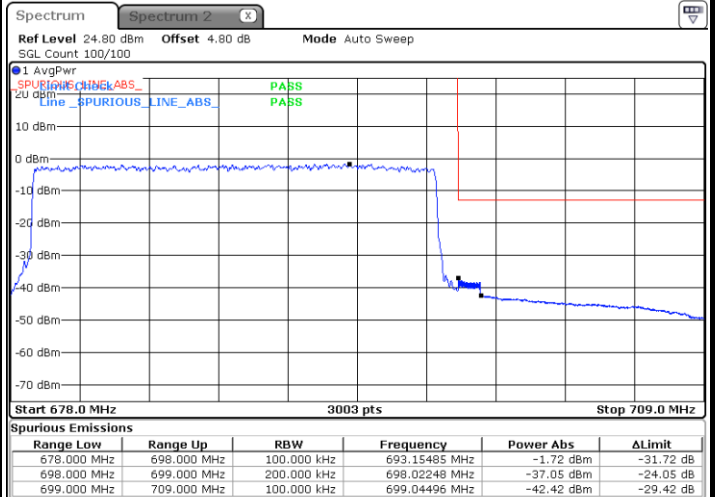
Date: 19.OCT.2023 23:42:10

Lowest Band Edge / Full RB



Date: 19.OCT.2023 23:27:07

Highest Band Edge / Full RB

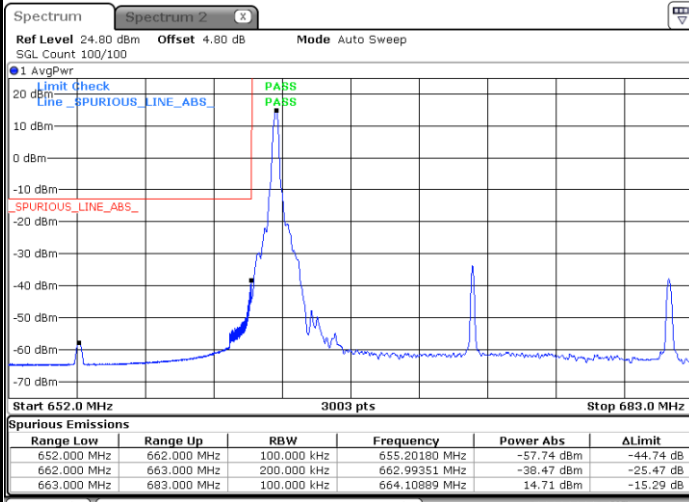


Date: 19.OCT.2023 23:47:04



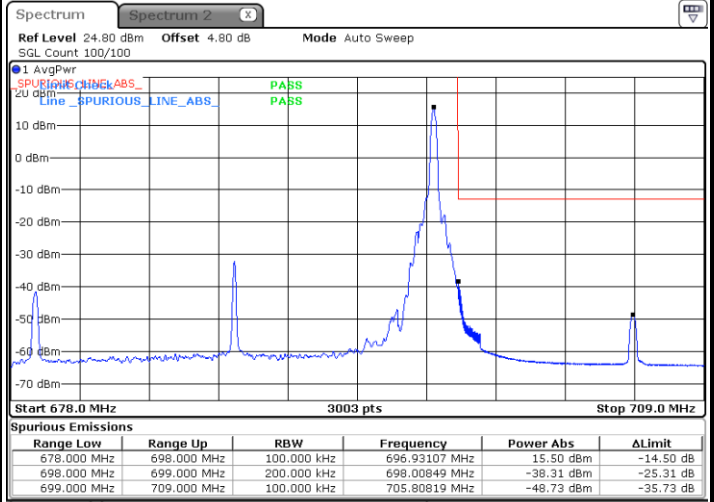
LTE Band 71 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



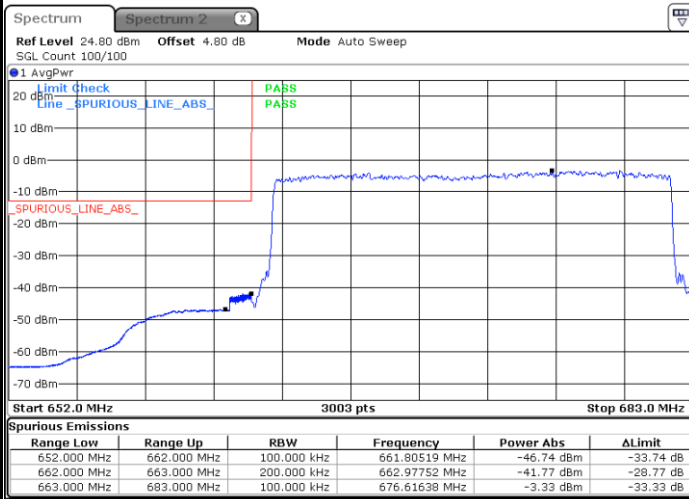
Date: 19.OCT.2023 23:33:09

Highest Band Edge / 1 RB



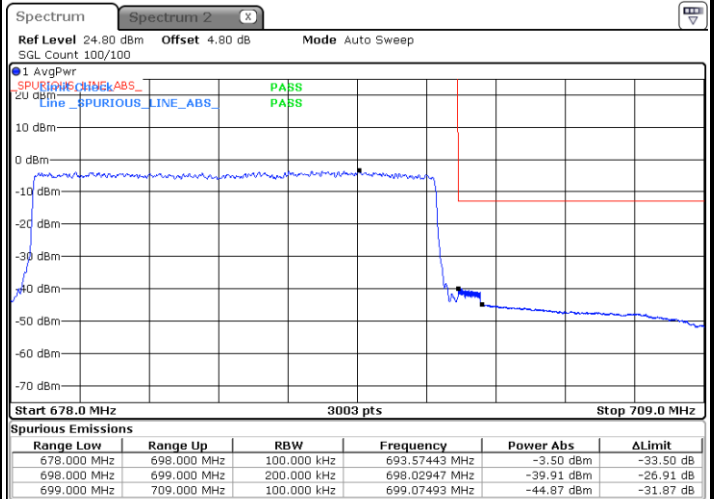
Date: 19.OCT.2023 23:43:23

Lowest Band Edge / Full RB



Date: 19.OCT.2023 23:28:19

Highest Band Edge / Full RB



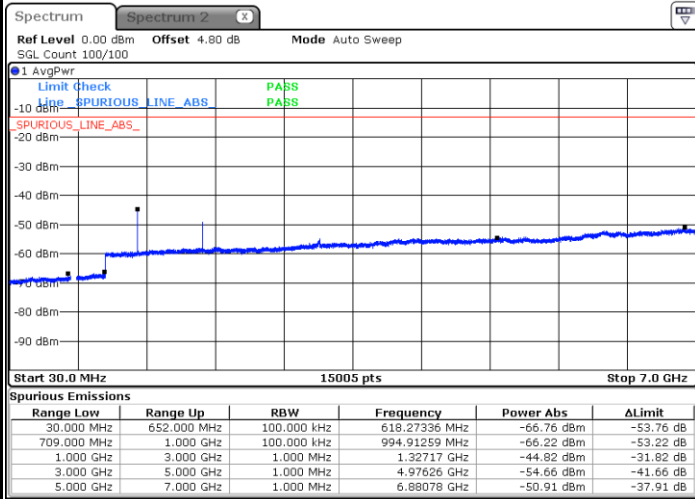
Date: 19.OCT.2023 23:48:16



Conducted Spurious Emission

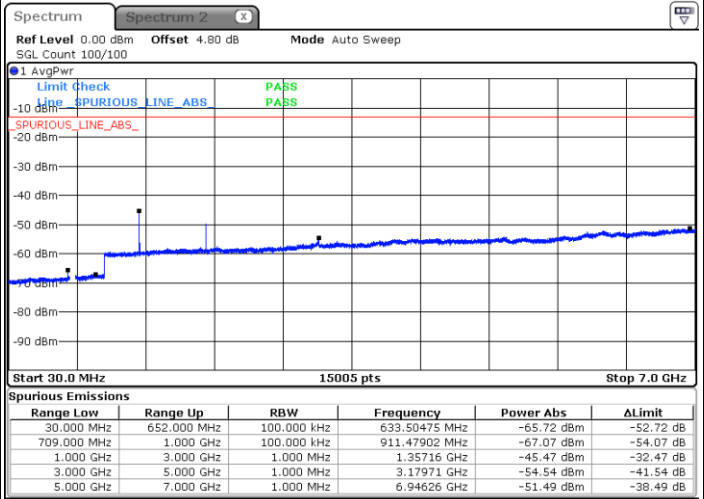
LTE Band 71 / 5MHz

Lowest Channel / QPSK



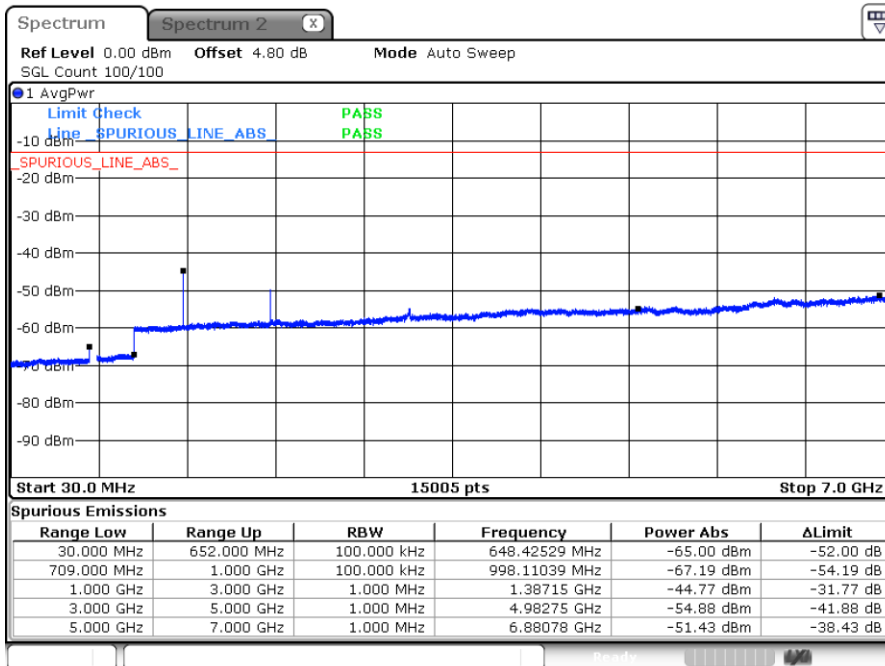
Date: 19.OCT.2023 21:53:05

Middle Channel / QPSK



Date: 19.OCT.2023 22:12:29

Highest Channel / QPSK



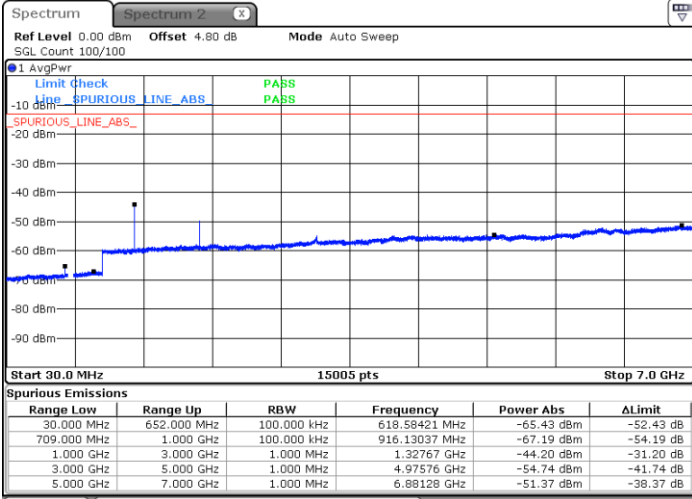
Date: 19.OCT.2023 22:15:14



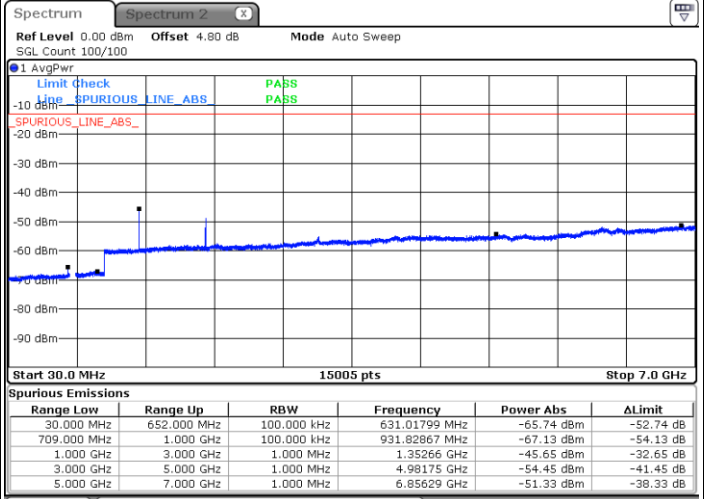
LTE Band 71 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

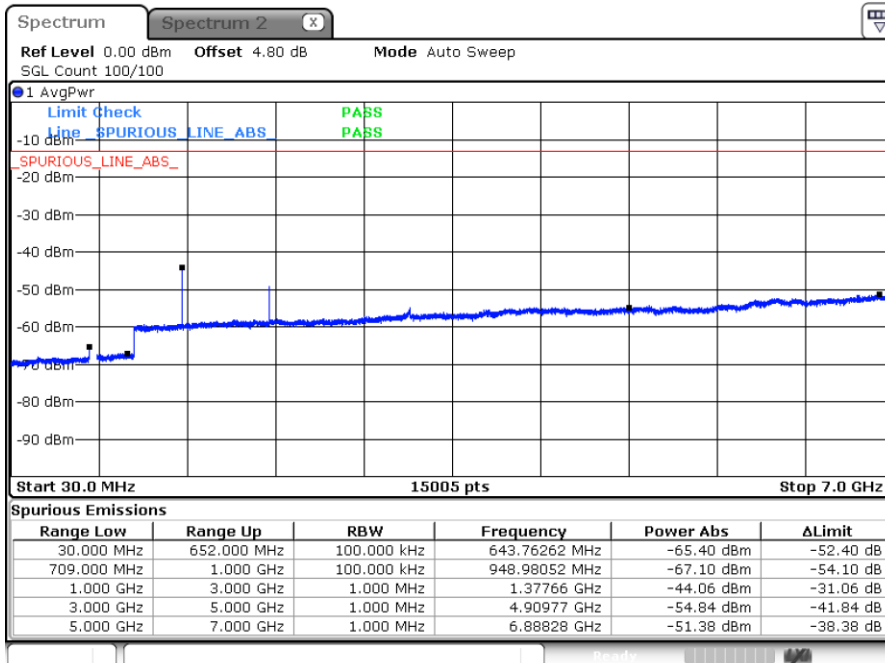


Date: 19.OCT.2023 22:38:37



Date: 19.OCT.2023 22:39:57

Highest Channel / QPSK



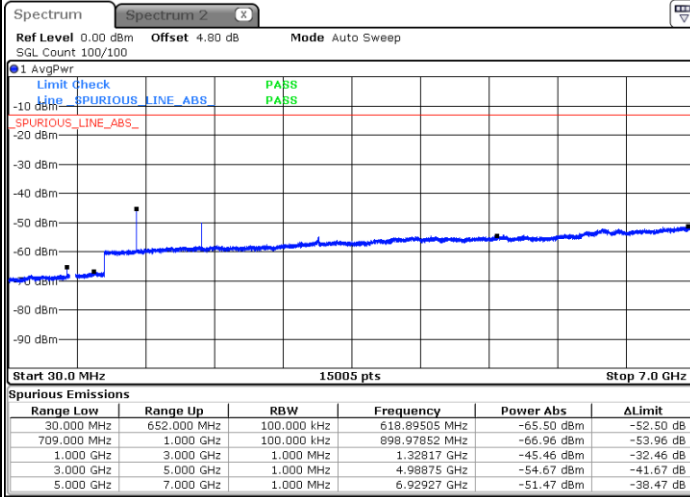
Date: 19.OCT.2023 22:42:41



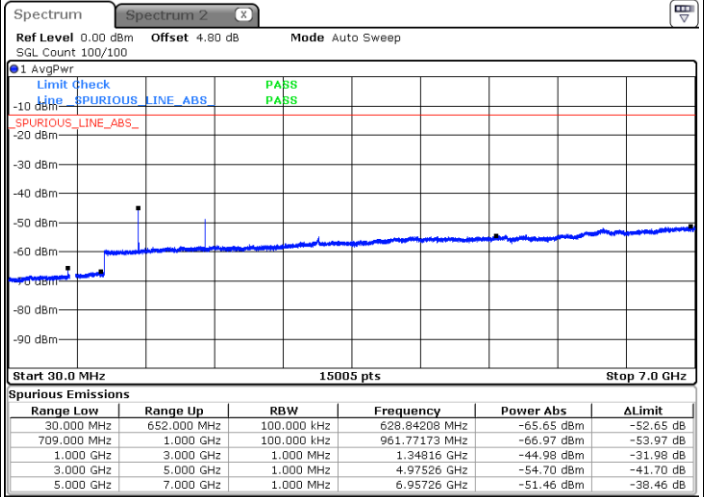
LTE Band 71 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

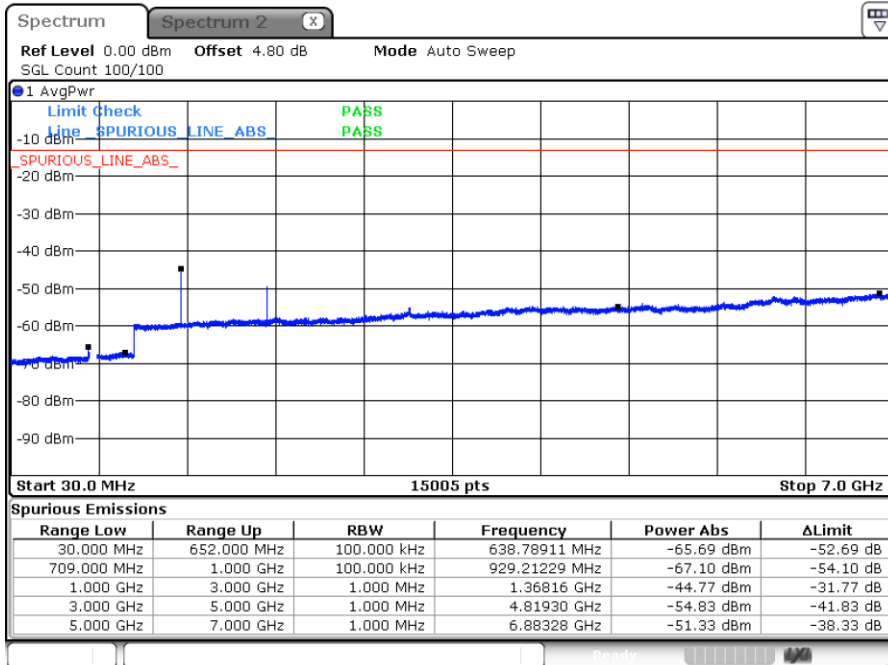


Date: 19.OCT.2023 23:08:43



Date: 19.OCT.2023 23:10:03

Highest Channel / QPSK



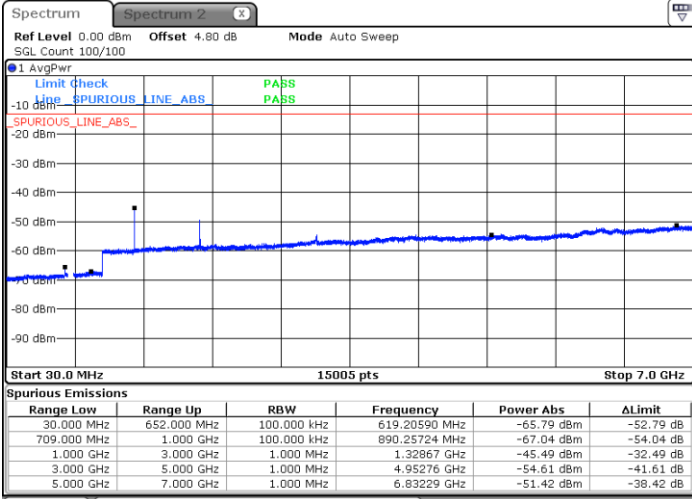
Date: 19.OCT.2023 23:12:47



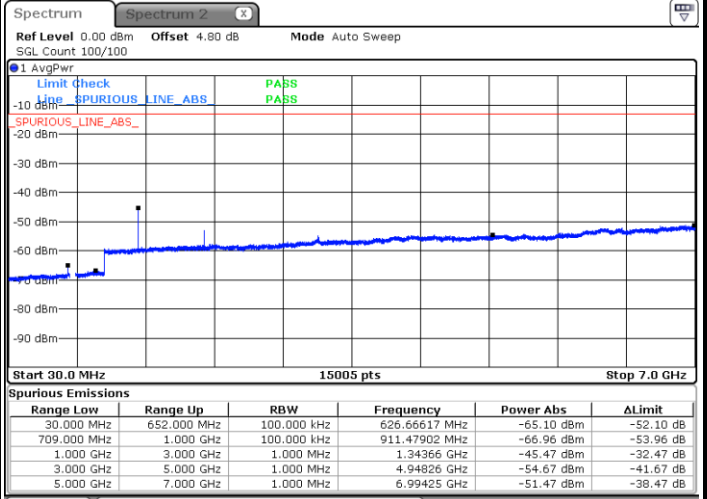
LTE Band 71 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

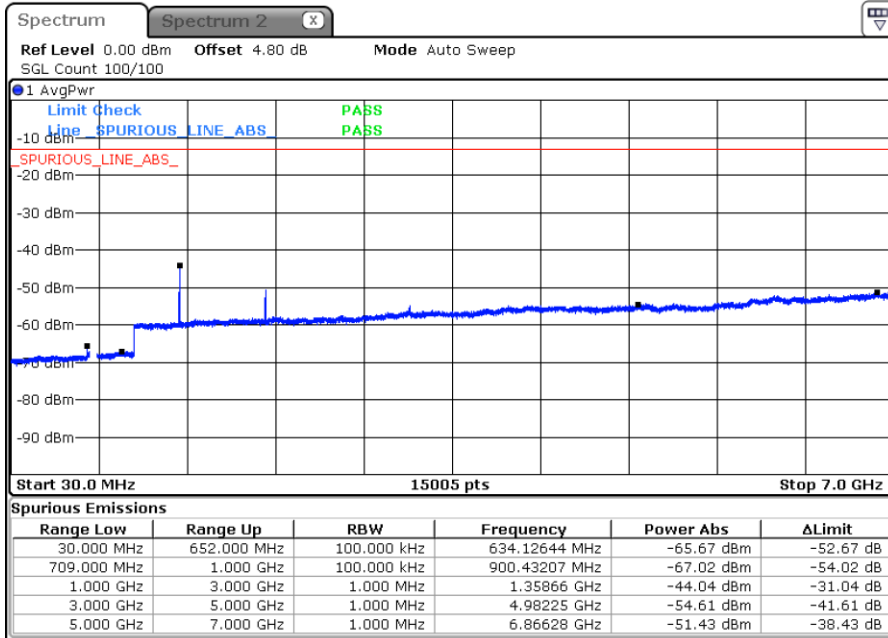


Date: 19.OCT.2023 23:34:28



Date: 19.OCT.2023 23:35:48

Highest Channel / QPSK



Date: 19.OCT.2023 23:38:32



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	0.0020	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0029	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0037	
0	Normal Voltage	0.0032	
-10	Normal Voltage	0.0048	
-20	Normal Voltage	0.0044	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0024	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage =3.91V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.5 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 :	Chris Chen	Temperature :	23~25°C
		Relative Humidity :	41~42%

Pre-scanned harmonic for the different antennas, we choose the worst antenna mode to perform final test and record in the report.

Main PA:

LTE Band 7 / 20MHz / QPSK / Ant1								
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)
Lowest	5002.18	-62.04	-25	-37.04	-72.25	3.03	13.24	H
	7503.27	-41.97	-25	-16.97	-51.42	3.56	13.01	H
	10004.36	-50.41	-25	-25.41	-59.93	3.92	13.44	H
	5002.18	-62.21	-25	-37.21	-72.42	3.03	13.24	V
	7503.27	-37.64	-25	-12.64	-47.09	3.56	13.01	V
	10004.36	-57.02	-25	-32.02	-66.54	3.92	13.44	V
Middle	5052.18	-61.48	-25	-36.48	-71.69	3.03	13.24	H
	7578.27	-37.93	-25	-12.93	-47.38	3.56	13.01	H
	10104.36	-46.31	-25	-21.31	-55.83	3.92	13.44	H
	5052.18	-61.53	-25	-36.53	-71.74	3.03	13.24	V
	7578.27	-34.19	-25	-9.19	-43.64	3.56	13.01	V
	10104.36	-56.18	-25	-31.18	-65.70	3.92	13.44	V
Highest	5102.18	-61.58	-25	-36.58	-71.79	3.03	13.24	H
	7653.27	-37.53	-25	-12.53	-46.98	3.56	13.01	H
	10204.36	-48.84	-25	-23.84	-58.36	3.92	13.44	H
	5102.18	-60.26	-25	-35.26	-70.47	3.03	13.24	V
	7653.27	-31.55	-25	-6.55	-41.00	3.56	13.01	V
	10204.36	-53.81	-25	-28.81	-63.33	3.92	13.44	V



Other PA:

EN-DC_7A_n77A / LTE 20MHz + NR 100MHz / QPSK / ANT4(LTE) & ANT5(NR)								
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)
Lowest	5008	-63.38	-25	-38.38	-73.59	3.03	13.24	H
	7500	-43.10	-25	-18.10	-52.55	3.56	13.01	H
	10006	-60.72	-25	-35.72	-70.24	3.92	13.44	H
	5008	-62.93	-25	-37.93	-73.14	3.03	13.24	V
	7500	-42.93	-25	-17.93	-52.38	3.56	13.01	V
	10006	-57.73	-25	-32.73	-67.25	3.92	13.44	V
Middle	5050	-63.14	-25	-38.14	-73.35	3.03	13.24	H
	7584	-41.40	-25	-16.40	-50.85	3.56	13.01	H
	10104	-60.37	-25	-35.37	-69.89	3.92	13.44	H
	5050	-63.72	-25	-38.72	-73.93	3.03	13.24	V
	7584	-42.30	-25	-17.30	-51.75	3.56	13.01	V
	10104	-57.05	-25	-32.05	-66.57	3.92	13.44	V
Highest	5106	-62.61	-25	-37.61	-72.82	3.03	13.24	H
	7654	-38.46	-25	-13.46	-47.91	3.56	13.01	H
	10202	-61.48	-25	-36.48	-71.00	3.92	13.44	H
	5106	-63.16	-25	-38.16	-73.37	3.03	13.24	V
	7654	-39.33	-25	-14.33	-48.78	3.56	13.01	V
	10202	-58.10	-25	-33.10	-67.62	3.92	13.44	V



LTE Band 12 / 10MHz / QPSK / Ant0								
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	1399	-62.16	-13	-49.16	-69.13	1.58	10.70	H
	2098	-61.74	-13	-48.74	-69.99	2.102	12.50	H
	2798	-58.05	-13	-45.05	-66.94	2.856	13.90	H
	3498	-58.76	-13	-45.76	-67.22	2.689	13.30	H
	1399	-64.36	-13	-51.36	-71.33	1.58	10.70	V
	2098	-60.68	-13	-47.68	-68.93	2.10	12.50	V
	2798	-58.01	-13	-45.01	-66.90	2.86	13.90	V
	3498	-59.2	-13	-46.20	-67.66	2.69	13.30	V
Middle	1406	-64.11	-13	-51.11	-71.08	1.58	10.70	H
	2109	-61.7	-13	-48.70	-69.95	2.102	12.50	H
	2812	-58.5	-13	-45.50	-67.39	2.856	13.90	H
	3515	-58.76	-13	-45.76	-67.22	2.689	13.30	H
	1406	-63.8	-13	-50.80	-70.77	1.58	10.70	V
	2109	-60.44	-13	-47.44	-68.69	2.10	12.50	V
	2812	-57.58	-13	-44.58	-66.47	2.86	13.90	V
	3515	-59.14	-13	-46.14	-67.60	2.69	13.30	V
Highest	1413	-64.59	-13	-51.59	-71.56	1.58	10.70	H
	2119	-60.75	-13	-47.75	-69.00	2.102	12.50	H
	2826	-58.37	-13	-45.37	-67.26	2.856	13.90	H
	3533	-58.59	-13	-45.59	-67.05	2.689	13.30	H
	1413	-65.88	-13	-52.88	-72.85	1.58	10.70	V
	2119	-60.33	-13	-47.33	-68.58	2.10	12.50	V
	2826	-58.25	-13	-45.25	-67.14	2.86	13.90	V
	3533	-58.7	-13	-45.70	-67.16	2.69	13.30	V



LTE Band 13 / 5MHz / QPSK / Ant0								
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	1554.68	-63.28	-13	-50.28	-65.91	1.09	5.87	H
	2332.02	-58.82	-13	-45.82	-61.22	1.37	5.92	H
	3109.36	-57.03	-13	-44.03	-60.92	1.64	7.68	H
	1554.68	-63.23	-13	-50.23	-65.86	1.09	5.87	V
	2332.02	-57.72	-13	-44.72	-60.12	1.37	5.92	V
	3109.36	-56.68	-13	-43.68	-60.57	1.64	7.68	V
Middle	1559.68	-62.56	-42.15	-20.41	-65.19	1.09	5.87	H
	2339.52	-58.20	-13	-45.20	-60.60	1.37	5.92	H
	3119.36	-56.61	-13	-43.61	-60.50	1.64	7.68	H
	1559.68	-62.17	-42.15	-20.02	-64.80	1.09	5.87	V
	2339.52	-56.78	-13	-43.78	-59.18	1.37	5.92	V
	3119.36	-56.37	-13	-43.37	-60.26	1.64	7.68	V
Highest	1564.68	-63.25	-42.15	-21.10	-65.88	1.09	5.87	H
	2347.02	-58.98	-13	-45.98	-61.38	1.37	5.92	H
	3129.36	-57.42	-13	-44.42	-61.31	1.64	7.68	H
	1564.68	-62.93	-42.15	-20.78	-65.56	1.09	5.87	V
	2347.02	-57.33	-13	-44.33	-59.73	1.37	5.92	V
	3129.36	-57.02	-13	-44.02	-60.91	1.64	7.68	V

LTE Band 13 / 10MHz / QPSK / Ant0								
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	1555.18	-63.41	-13	-50.41	-66.04	1.09	5.87	H
	2332.77	-58.97	-13	-45.97	-61.37	1.37	5.92	H
	3110.36	-56.87	-13	-43.87	-60.76	1.64	7.68	H
	1555.18	-63.35	-13	-50.35	-65.98	1.09	5.87	V
	2332.77	-57.53	-13	-44.53	-59.93	1.37	5.92	V
	3110.36	-56.90	-13	-43.90	-60.79	1.64	7.68	V



LTE Band 17 / 10MHz / QPSK / Ant0								
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	1409	-64.89	-13	-51.89	-71.86	1.58	10.70	H
	2113	-61.9	-13	-48.90	-70.15	2.102	12.50	H
	2818	-58.55	-13	-45.55	-67.44	2.856	13.90	H
	3522	-58.35	-13	-45.35	-66.81	2.689	13.30	H
	1409	-65.24	-13	-52.24	-72.21	1.58	10.70	V
	2113	-60.42	-13	-47.42	-68.67	2.10	12.50	V
	2818	-57.57	-13	-44.57	-66.46	2.86	13.90	V
Middle	3523	-58.36	-13	-45.36	-66.82	2.69	13.30	V
	1411	-64.83	-13	-51.83	-71.80	1.58	10.70	H
	2116	-61.34	-13	-48.34	-69.59	2.102	12.50	H
	2822	-58.41	-13	-45.41	-67.30	2.856	13.90	H
	3528	-58.36	-13	-45.36	-66.82	2.689	13.30	H
	1411	-65.86	-13	-52.86	-72.83	1.58	10.70	V
	2116	-59.93	-13	-46.93	-68.18	2.10	12.50	V
Highest	2822	-57.66	-13	-44.66	-66.55	2.86	13.90	V
	3528	-58.34	-13	-45.34	-66.80	2.69	13.30	V
	1413	-65.95	-13	-52.95	-72.92	1.58	10.70	H
	2119	-61.3	-13	-48.30	-69.55	2.102	12.50	H
	2826	-58.42	-13	-45.42	-67.31	2.856	13.90	H
	3533	-58.68	-13	-45.68	-67.14	2.689	13.30	H
	1413	-65.62	-13	-52.62	-72.59	1.58	10.70	V
2119	-59.92	-13	-46.92	-68.17	2.10	12.50	V	
2826	-57.97	-13	-44.97	-66.86	2.86	13.90	V	
3533	-58.99	-13	-45.99	-67.45	2.69	13.30	V	



LTE Band 41 / 20MHz / QPSK / Ant1								
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)
Lowest	4994	-58.89	-25	-33.89	-69.10	3.03	13.24	H
	7486	-35.30	-25	-10.30	-44.75	3.56	13.01	H
	9992	-59.84	-25	-34.84	-69.36	3.92	13.44	H
	4994	-58.61	-25	-33.61	-68.82	3.03	13.24	V
	7486	-37.38	-25	-12.38	-46.83	3.56	13.01	V
	9992	-55.34	-25	-30.34	-64.86	3.92	13.44	V
Middle	5169	-58.47	-25	-33.47	-68.68	3.03	13.24	H
	7756	-28.11	-25	-3.11	-37.56	3.56	13.01	H
	10330	-57.73	-25	-32.73	-67.25	3.92	13.44	H
	12917	-55.77	-25	-30.77	-65.69	4.44	14.36	H
	5169	-59.12	-25	-34.12	-69.33	3.03	13.24	V
	7756	-32.00	-25	-7.00	-41.45	3.56	13.01	V
	10330	-53.76	-25	-28.76	-63.28	3.92	13.44	V
	12917	-57.78	-25	-32.78	-67.70	4.44	14.36	V
Highest	5338	-59.43	-25	-34.43	-69.64	3.03	13.24	H
	8016	-29.61	-25	-4.61	-39.06	3.56	13.01	H
	10681	-60.21	-25	-35.21	-69.73	3.92	13.44	H
	5338	-61.12	-25	-36.12	-71.33	3.03	13.24	V
	8016	-35.24	-25	-10.24	-44.69	3.56	13.01	V
	10681	-55.55	-25	-30.55	-65.07	3.92	13.44	V



LTE Band 41C / 20+20MHz / QPSK / Ant1								
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)
Lowest	4994	-62.85	-25	-37.85	-73.06	3.03	13.24	H
	7486	-52.67	-25	-27.67	-62.12	3.56	13.01	H
	9992	-60.67	-25	-35.67	-70.19	3.92	13.44	H
	5036	-62.97	-25	-37.97	-73.18	3.03	13.24	H
	7556	-58.01	-25	-33.01	-67.46	3.56	13.01	H
	10062	-60.77	-25	-35.77	-70.29	3.92	13.44	H
	4994	-62.97	-25	-37.97	-73.18	3.03	13.24	V
	7486	-51.72	-25	-26.72	-61.17	3.56	13.01	V
	9992	-61.30	-25	-36.30	-70.82	3.92	13.44	V
	5036	-63.08	-25	-38.08	-73.29	3.03	13.24	V
	7556	-59.21	-25	-34.21	-68.66	3.56	13.01	V
	10062	-60.74	-25	-35.74	-70.26	3.92	13.44	V
Middle	5148	-63.07	-25	-38.07	-73.28	3.03	13.24	H
	7724	-44.21	-25	-19.21	-53.66	3.56	13.01	H
	10300	-61.45	-25	-36.45	-70.97	3.92	13.44	H
	5190	-63.51	-25	-38.51	-73.72	3.03	13.24	H
	7780	-54.15	-25	-29.15	-63.60	3.56	13.01	H
	10370	-61.00	-25	-36.00	-70.52	3.92	13.44	H
	5148	-63.29	-25	-38.29	-73.50	3.03	13.24	V
	7724	-46.66	-25	-21.66	-56.11	3.56	13.01	V
	10300	-61.35	-25	-36.35	-70.87	3.92	13.44	V
	5190	-63.43	-25	-38.43	-73.64	3.03	13.24	V
	7780	-58.19	-25	-33.19	-67.64	3.56	13.01	V
	10370	-61.33	-25	-36.33	-70.85	3.92	13.44	V
Highest	5302	-63.52	-25	-38.52	-73.73	3.03	13.24	H
	7948	-51.97	-25	-26.97	-61.42	3.56	13.01	H
	10608	-60.15	-25	-35.15	-69.67	3.92	13.44	H
	5344	-64.65	-25	-39.65	-74.86	3.03	13.24	H
	8018	-62.21	-25	-37.21	-71.66	3.56	13.01	H
	10678	-60.23	-25	-35.23	-69.75	3.92	13.44	H
	5302	-63.76	-25	-38.76	-73.97	3.03	13.24	V
	7948	-50.68	-25	-25.68	-60.13	3.56	13.01	V
	10608	-60.72	-25	-35.72	-70.24	3.92	13.44	V
	5344	-64.05	-25	-39.05	-74.26	3.03	13.24	V
	8018	-56.50	-25	-31.50	-65.95	3.56	13.01	V
	10678	-60.14	-25	-35.14	-69.66	3.92	13.44	V



LTE Band 71 / 20MHz / QPSK / Ant0								
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	-74.00	-13	-61.00	-75.75	1.02	4.92	H
	1992	-67.75	-13	-54.75	-69.72	1.27	5.39	H
	2656	-66.97	-13	-53.97	-69.90	1.49	6.57	H
	1328	-74.25	-13	-61.25	-76.00	1.02	4.92	V
	1992	-66.37	-13	-53.37	-68.34	1.27	5.39	V
	2656	-66.90	-13	-53.90	-69.83	1.49	6.57	V
Middle	1352	-71.60	-13	-58.60	-73.35	1.02	4.92	H
	2024	-61.31	-13	-48.31	-63.28	1.27	5.39	H
	2696	-64.95	-13	-51.95	-67.88	1.49	6.57	H
	1352	-73.37	-13	-60.37	-75.12	1.02	4.92	V
	2024	-60.84	-13	-47.84	-62.81	1.27	5.39	V
	2696	-66.72	-13	-53.72	-69.65	1.49	6.57	V
Highest	1360	-73.18	-13	-60.18	-74.93	1.02	4.92	H
	2040	-61.06	-13	-48.06	-63.03	1.27	5.39	H
	2720	-67.56	-13	-54.56	-70.49	1.49	6.57	H
	1360	-72.89	-13	-59.89	-74.64	1.02	4.92	V
	2040	-61.53	-13	-48.53	-63.50	1.27	5.39	V
	2720	-66.74	-13	-53.74	-69.67	1.49	6.57	V

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