

POWER SUPPLY LOAD TEST

MAKE: MOTOROLA **MODEL:** TPN1192A **DATE:** 20-Mar-11

CONT. RATING: 30.4A **INT. RATING:** UNK **SERIAL:** NONE

AC MAINS FUSE: 10A FB **REMARKS:** MSR2000 OPTION C28AN

LOAD AMPS	OUTPUT VOLTS	OUTPUT WATTS	AC INPUT VOLTS	AC INPUT AMPS	AC INPUT WATTS	AC INPUT VA	AC INPUT PF	OVERALL EFFICIENCY
0.0	14.25	0.0	123.0	2.31	75	284	0.26	0%
1.0	14.19	14.2	122.8	2.20	88	270	0.33	16%
2.0	14.14	28.3	122.8	2.10	103	258	0.40	27%
3.0	14.10	42.3	122.8	2.01	117	247	0.47	36%
4.0	14.05	56.2	122.6	1.96	135	240	0.56	42%
5.0	14.02	70.1	122.6	2.00	148	245	0.60	47%
6.0	13.98	83.9	122.6	2.06	165	253	0.65	51%
7.0	13.95	97.7	122.9	2.17	181	267	0.68	54%
8.0	13.92	111.4	122.9	2.28	197	280	0.70	57%
9.0	13.88	124.9	122.8	2.40	214	295	0.73	58%
10.0	13.85	138.5	122.8	2.52	230	309	0.74	60%
11.0	13.95	153.5	122.8	2.64	246	324	0.76	62%
12.0	13.77	165.2	122.6	2.78	263	341	0.77	63%
13.0	13.74	178.6	122.4	2.91	279	356	0.78	64%
14.0	13.71	191.9	122.4	3.05	296	373	0.79	65%
15.0	13.68	205.2	122.4	3.20	313	392	0.80	66%
16.0	13.64	218.2	122.4	3.36	330	411	0.80	66%
17.0	13.60	231.2	122.4	3.51	347	430	0.81	67%
18.0	13.57	244.3	122.4	3.67	364	449	0.81	67%
19.0	13.54	257.3	122.4	3.82	381	468	0.81	68%
20.0	13.51	270.2	122.3	3.99	400	488	0.82	68%
21.0	13.48	283.1	122.3	4.17	419	510	0.82	68%
22.0	13.43	295.5	122.2	4.33	436	529	0.82	68%
23.0	13.39	308.0	122.1	4.50	454	549	0.83	68%
24.0	13.36	320.6	121.9	4.68	472	570	0.83	68%
25.0	13.33	333.3	121.9	4.85	490	591	0.83	68%
26.0	13.29	345.5	121.8	5.03	508	613	0.83	68%
27.0	13.26	358.0	121.5	5.21	526	633	0.83	68%
28.0	13.22	370.2	121.3	5.39	545	654	0.83	68%
29.0	13.29	385.4	121.3	5.57	563	676	0.83	68%
30.0	13.15	394.5	121.3	5.76	582	699	0.83	68%
31.0	13.11	406.4	121.2	5.94	601	720	0.83	68%
32.0	13.08	418.6	121.0	6.13	620	742	0.84	68%
33.0	13.04	430.3	121.0	6.31	639	764	0.84	67%
34.0	13.01	442.3	121.0	6.50	659	787	0.84	67%
35.0	12.98	454.3	121.0	6.69	679	809	0.84	67%

Note: The DC load calculations are skewed by the addition of 9.4 and 14 VDC regulators.

Note: The 0.0 amps load represents STANDBY mode, and 21.0 amps represents TRANSMIT mode.