

POWER SUPPLY LOAD TEST

MAKE: MOTOROLA **MODEL:** TPN1136A **DATE:** 13-Feb-11

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

AC MAINS FUSE: 2A SB **REMARKS:** UNIT TESTED WITH 5A MAINS FUSE

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	14.33	0.0	121.4	0.19	8	23	0.35	0%
1.0	14.25	14.3	121.1	0.43	33	52	0.63	43%
2.0	14.17	28.3	121.0	0.71	57	86	0.66	50%
3.0	14.11	42.3	121.0	0.96	81	116	0.70	52%
4.0	14.08	56.3	121.0	1.21	106	146	0.72	53%
5.0	14.04	70.2	120.9	1.44	129	174	0.74	54%
6.0	14.00	84.0	120.9	1.67	153	202	0.76	55%
7.0	13.96	97.7	120.9	1.89	176	229	0.77	56%
8.0	13.93	111.4	120.9	2.11	199	255	0.78	56%
9.0	13.88	124.9	120.8	2.32	222	280	0.79	56%
10.0	13.83	138.3	120.8	2.53	245	306	0.80	56%
11.0	13.77	151.5	120.7	2.74	266	331	0.80	57%
12.0	13.68	164.2	120.5	2.94	288	354	0.81	57%
13.0	13.52	175.8	120.5	3.13	311	377	0.82	57%
14.0	13.14	184.0	120.3	3.32	332	399	0.83	55%
15.0	12.70	190.5	120.3	3.50	354	421	0.84	54%
16.0	12.28	196.5	120.5	3.70	376	446	0.84	52%
17.0	11.76	199.9	120.3	3.86	396	464	0.85	50%

NOTE: THIS SUPPLY SHOULD NOT BE LOADED ABOVE 7.5 AMPS, DUE TO MAINS FUSE RATING.

NOTE: THE TESTED UNIT HAS TWO PARALLELED M9244 PASS TRANSISTORS, FACTORY STOCK.

NOTE: THE TPN1136A WAS USED AS A BASE POWER SUPPLY FOR THE MCX-100 RADIO.