

## 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:** SEE NOTES 1-3 BELOW

<b>LOAD AMPS</b>	<b>OUTPUT VOLTS</b>	<b>OUTPUT WATTS</b>	<b>AC INPUT VOLTS</b>	<b>AC INPUT AMPS</b>	<b>AC INPUT WATTS</b>	<b>AC INPUT VA</b>	<b>AC INPUT PF</b>	<b>OVERALL EFFICIENCY</b>
<b>0.0</b>	14.33	0.0	121.4	0.19	8	23	0.35	0%
<b>1.0</b>	14.25	14.3	121.1	0.43	33	52	0.63	43%
<b>2.0</b>	14.17	28.3	121.0	0.71	57	86	0.66	50%
<b>3.0</b>	14.11	42.3	121.0	0.96	81	116	0.70	52%
<b>4.0</b>	14.08	56.3	121.0	1.21	106	146	0.72	53%
<b>5.0</b>	14.04	70.2	120.9	1.44	129	174	0.74	54%
<b>6.0</b>	14.00	84.0	120.9	1.67	153	202	0.76	55%
<b>7.0</b>	13.96	97.7	120.9	1.89	176	229	0.77	56%
<b>8.0</b>	13.93	111.4	120.9	2.11	199	255	0.78	56%

NOTE 1: THIS SUPPLY SHOULD NOT BE LOADED ABOVE 7.5 AMPS, DUE TO THE MAINS FUSE RATING.

NOTE 2: THE TESTED UNIT IS THE EARLY VERSION WITH TWO PARALLELED M9244 PASS TRANSISTORS.

NOTE 3: THE TPN1136A WAS USED AS A BASE POWER SUPPLY FOR THE LOW-POWER MCX-100 AND MAXAR RADIOS.