

Experimental Apparatus To Verify DeAquino Equation

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Table shows copper bar rod antenna with seawater dielectric and steel shield. A current of 9 amperes will provide significant gravitational shielding for weight change verification. Antenna current is calculated using published US Navy data for seawater.

H2O COPPER PIPE RADIATOR - STEEL SHIELD

f (1/s)	μ	σ (s/m)	Sa (m ²)	η	Pr (W)
1.00E+00	1.00E+02	4.55E+06	1.96E-19	1.00E+00	5.00E+00
c (m/s)	d (m)	XY	ma (g)	mg (g)	ratio
3.00E+08	6.35E-02	1.51E-43	9.35E-23	-5.19E-22	-0.18

ANTENNA CURRENT CALCULATION

Corr WL	f	v	A	z	I
448.42	10	4.48E+03	1.31E+00	0.3048	9.06E+00

Figure 1 shows a simple antenna constructed from easily obtainable materials. Figure 2 shows a simple electronic drive circuit. A power line transformerless power supply delivers 180VDC at 15 amperes. A 6V peak-to-peak 1Hz sine wave generator with a 4VDC offset drives the switching MOSFET. The 1000 watt heater loads are 40 ohm resistors in parallel to yield 20 ohms or 9 amperes.

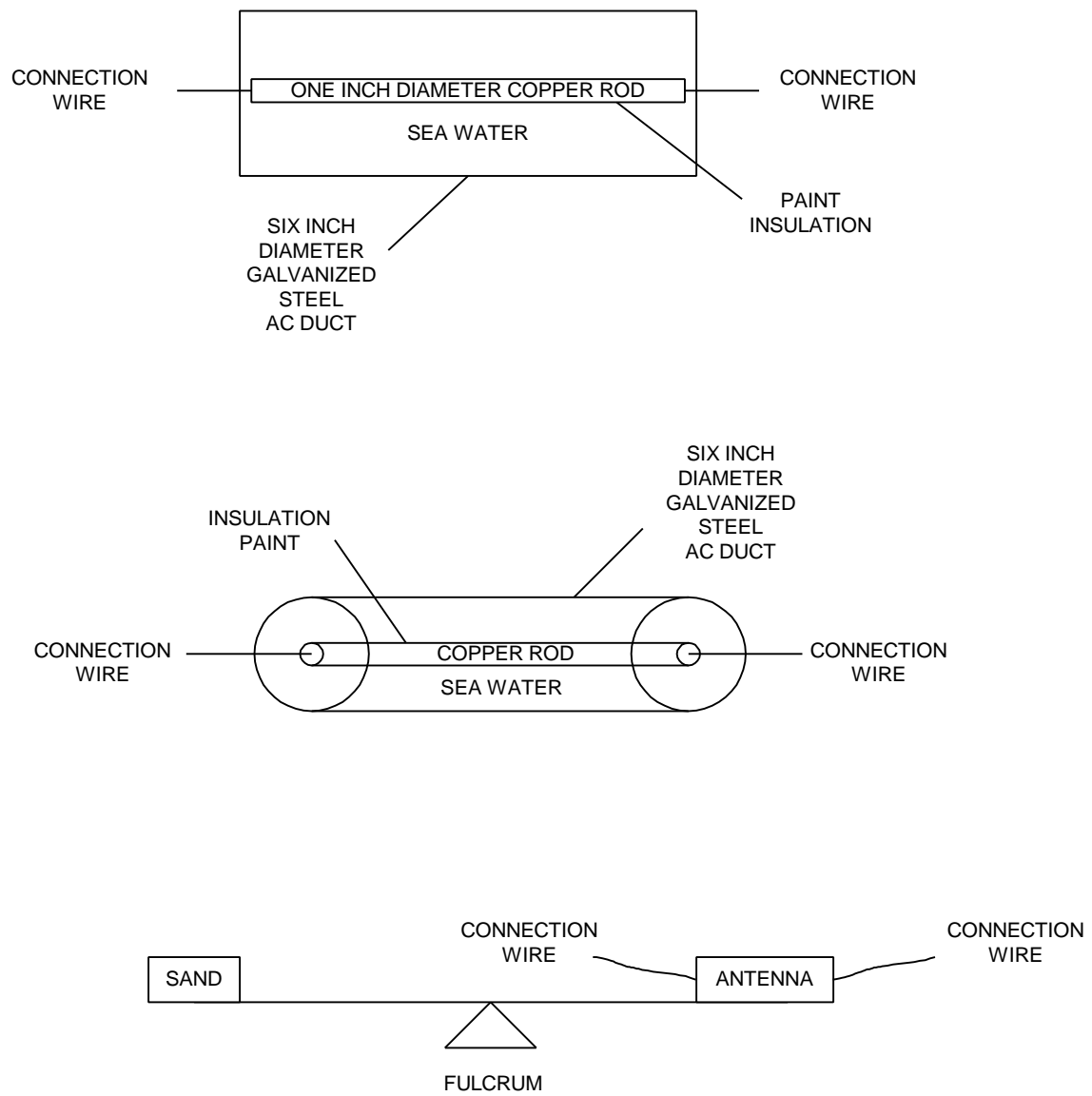


Figure 1. Antenna and balance for weight change measurement.

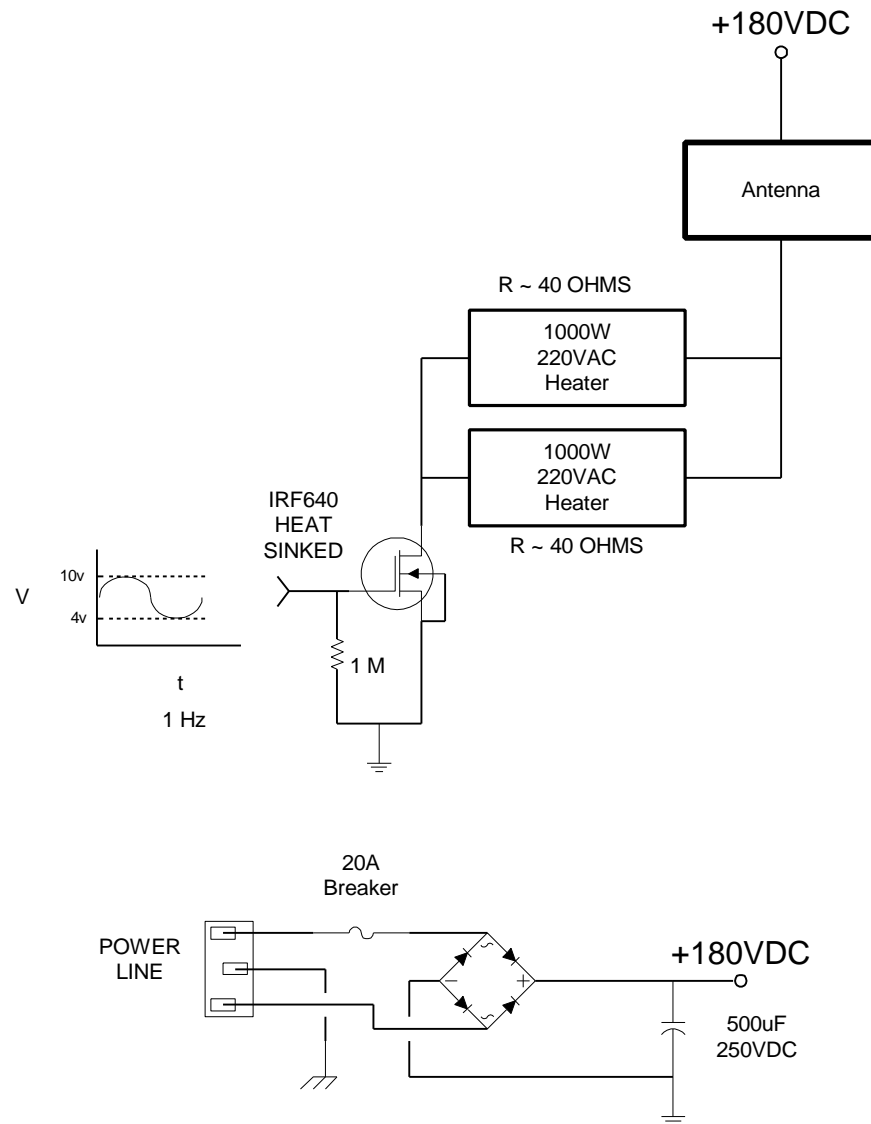


Figure 2. Electronic circuit to deliver 9A to the antenna.