

## Transmitter Power Output Calculation

Transmitter Power Output

AUTHORIZED ERP: 1.2 KW

ERI DA-1005-1B-SP ANTENNA GAIN: 1.0702

75 FEET ANDREW 1-5/8-INCH AIR COAX (HJ7-50) EFFICIENCY: 0.967

SHIVELY 2604-3A-78 BANDPASS FILTER EFFICIENCY: 0.894

TPO: 1.2970 KW

CONFIRMATION:  $1.2970 \times 0.894 \times 0.967 \times 1.0702 = 1.1999$  KW