

## Transmitter Power Output Calculation

TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 16.0 KILOWATTS

SHIVELY 6810-4-SS-DA ANTENNA GAIN: 2.830

237 FEET ANDREW 1-5/8-INCH AIR (HJ7-50A) COAX EFFICIENCY: 0.900

ERI 973 FILTER EFFICIENCY: 0.891

TPO: 7.050 KILOWATTS

CONFIRMATION:  $7.050 \times 0.891 \times 0.900 \times 2.830 = 15.999$  KILOWATTS