

Transmitter Power Output Calculation

Transmitter Power Output

AUTHORIZED ERP: 1.4 KW

ERI LPX-2 ANTENNA POWER GAIN: .997

96 FEET RFS CABLEWAVE 7/8 INCH HCA78-50 COAX EFFICIENCY: 0.927

Jampro RCBC-194-91.7 FH BANDPASS FILTER EFFICIENCY: .832

7' 7/8" JUMPER EFFICIENCY: .977

TPO: 1863.5249

CONFIRMATION: $1863.5249 \times 0.997 \times .927 \times .832 \times .977 = 1399.9996 \text{ KW}$

NOTE: TPO SHOWN AS 1.864 KW DUE TO ROUNDING AND RESOLUTION OF THE FORM.