

Transmitter Power Output Calculation

TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 4 KW

ERI LPX-3E ANTENNA GAIN: 1.559

285 FEET ANDREW 1-5/8-INCH AIR COAX (HJ7-50A) EFFICIENCY: 0.880

TPO: 2915.6218 WATTS

CONFIRMATION: $2915.6218 \times 1.559 \times 0.88 = 3999.9999$ WATTS

NOTE: TPO STATED AS 2.916KW DUE TO ROUNDING AND RESOLUTION OF THE FORM