

Transmitter Power Output Calculation

Transmitter Power Output

AUTHORIZED ERP: 6.3kw

ERI MPX-3E-SP ANTENNA GAIN: 1.559

264 FEET ANDREW 1-5/8-INCH AIR COAX (HJ7-50) EFFICIENCY: 0.889

AAT COMBINER FILTER EFFICIENCY: 0.951

5' 1 5/8" JUMPER EFFICIENCY: .998

TPO: 4789.4054 WATTS

CONFIRMATION: $4789.4054 \times 1.559 \times 0.889 \times 0.951 \times .998 = 6299.9996$

NOTE: TPO STATED AS 4.79kw DUE TO ROUNDING AND RESOLUTION OF THE FORM.