

TPO Calculation

Transmitter Output:	901.35 Watts
Polyphasor & jumpers -.12 dB	-24.564 Watts
Transmission Line:	Andrew LDF5-50A, 7/8 Inch
Length Of Line:	440 Feet
Loss in dB/100 Ft. At 105.9 MHz:	.382 dB
Line Efficiency At 105.9 MHz:	67.89%
Max. Average Power Rating of Line:	5.19 KW
Power Dissipated In Line:	281.55 Watts
Power At Input To Antenna:	595.24 Watts
Antenna Make/Model:	ERI 100A
Number of Bays:	One
Max. Antenna Input Power Rating:	1 KW
Antenna Power Gain:	.42
System E. R. P.:	250 Watts