

Options

Solve For:

☒ TPO

☐ ERP

Antenna input:

☒ End fed

☐ Center Fed

Edit Antenna
Database

*Transmission Line FM Mid-
Band Average Power Rating is
8.08kW*

User Input

ERP: .01 kW

Frequency: 97.3 MHz

Center of Radiation (COR) - AGL: 46 ft 14.0 m

1 Bay / Generic / Full-Wave Spacing Antenna

Additional Losses: 1.16 dB

Distance, Transmitter to Tower: 44 ft 13.4 m

Andrew LDF5-50A, 7/8" Foam Heliax Trans. Line

Calculated Results

Antenna Power Gain 0.4811

Antenna Field Gain 579

Ant. FI @ 1 mi./1kW 93.436 mV/m

Antenna Input Power .022 kW

Line Attenuation/100 ft 3678 dB

Power Loss in Coax .009 kW 71.1 % Eff

TPO .031 kW

Tx Line Length 90 ft (27.4 m)

Minimum Tower Aperture 11 ft (3.4 m)

Top Bay Elevation - AGL 46 ft (14.1 m)

Antenna Length 1 ft (0.2 m)

Bottom of Antenna - AGL 46 ft (13.9 m)

This Software is Provided for
Planning Purposes Only