

Options

Solve For:

☒ TPO

☐ ERP

Antenna input:

☒ End fed

☐ Center Fed

Edit Antenna
Database

*Transmission Line FM Mid-
Band Average Power Rating is
9.12kW*

User Input

ERP: .14 kW

Frequency: 95.9 MHz

Center of Radiation (COR) - AGL: 800 ft 243.9 m

1 Bay / Generic / Full-Wave Spacing ▾ Antenna

Additional Losses: 0 dB

Distance, Transmitter to Tower: 25 ft 7.6 m

Cablewave LCF78-50A, 7/8" Foam Coax ▾ Trans. Line

Calculated Results

Antenna Power Gain 0.4611

Antenna Field Gain .679

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

Antenna Input Power .304 kW

Line Attenuation/100 ft .3414 dB

Power Loss in Coax .277 kW 52.3 % Eff

TPO .581 kW

Tx Line Length 825 ft (251.5 m)

Minimum Tower Aperture 11 ft (3.4 m)

Top Bay Elevation - AGL 800 ft (244 m)

Antenna Length 1 ft (0.2 m)

Bottom of Antenna - AGL 800 ft (243.8 m)

This Software is Provided for
Planning Purposes Only!