

### Options

Solve For:

☒ TPO

☐ ERP

Antenna input:

☒ End fed

☐ Center Fed

Edit Antenna  
Database

*Transmission Line FM Mid-  
Band Average Power Rating is  
3.49kW*

### User Input

ERP: .036 kW

Frequency: 105.9 MHz

Center of Radiation (COR) - AGL: 108 ft 32.9 m

2 Bay / Generic / Half-Wave Spacing Antenna

Additional Losses: 1.156 dB

Distance, Transmitter to Tower: 25 ft 7.6 m

Andrew LDF4-50A, 1/2" Foam Heliax Trans. Line

### Calculated Results

Antenna Power Gain 0.702

Antenna Field Gain .8379

Ant. FI @ 1 mi./1kW 115.289 mV/m

Antenna Input Power .051 kW

Line Attenuation/100 ft .6814 dB

Power Loss in Coax .031 kW 62.4 % Eff

TPO .082 kW

Tx Line Length 131 ft (39.8 m)

Minimum Tower Aperture 15 ft (4.6 m)

Top Bay Elevation - AGL 110 ft (33.6 m)

Antenna Length 5 ft (1.4 m)

Bottom of Antenna - AGL 106 ft (32.2 m)

This Software is Provided for  
Planning Purposes Only