

## Options

Solve For:

☒ TPO

☐ ERP

Antenna input:

☒ End fed

☐ Center Fed

Edit Antenna  
Database

*Transmission Line FM Mid-  
Band Average Power Rating is  
16.4kW*

## User Input

ERP: .01 kW

Frequency: 103.3 MHz

Center of Radiation (COR) - AGL: 415 ft 126.5 m

2 Bay / Generic / Full-Wave Spacing Antenna

Additional Losses: .93 dB

Distance, Transmitter to Tower: 350 ft 106.7 m

Andrew LDF7-50A, 1-5/8" Foam Heliax Trans. Line

## Calculated Results

Antenna Power Gain 0.9971

Antenna Field Gain .9985

Ant. FI @ 1 mi./1kW 137.400 mV/m

Antenna Input Power .010 kW

Line Attenuation/100 ft .2118 dB

Power Loss in Coax .008 kW 55.7 % Eff

TPO .018 KW

Tx Line Length 760 ft (231.8 m)

Minimum Tower Aperture 20 ft (6.1 m)

Top Bay Elevation - AGL 420 ft (128 m)

Antenna Length 10 ft (2.9 m)

Bottom of Antenna - AGL 410 ft (125.1 m)

This Software is Provided for  
Planning Purposes Only