

## 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: \_\_\_\_\_

.01

kW

Frequency: \_\_\_\_\_

103.3

MHz

Center of Radiation (COR) - AGL: \_\_\_\_\_

36

ft

11.0

m

1 Bay / Generic / Full-Wave Spacing

Antenna

Additional Losses: \_\_\_\_\_

0

dB

Distance, Transmitter to Tower: \_\_\_\_\_

16

ft

4.9

m

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

Trans. Line

## Calculated Results

Antenna Power Gain

0.4611

Antenna Field Gain

.679

Ant. FI @ 1 mi./1kW

93.436

Antenna Input Power

.022

Line Attenuation/100 ft

.6723

Power Loss in Coax

.002

TPO

.024

kW

92.3

% Eff

Tx Line Length

52 ft (15.9 m)

Minimum Tower Aperture

11 ft (3.4 m)

Top Bay Elevation - AGL

36 ft (11.1 m)

Antenna Length

1 ft (0.2 m)

Bottom of Antenna - AGL

36 ft (10.9 m)

This Software is Provided for Planning Purposes Only!