

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: kW

Frequency: MHz

Center of Radiation (COR) - AGL: ft m

Antenna

Additional Losses: dB

Distance, Transmitter to Tower: ft m

Trans. Line

Calculated Results

Antenna Power Gain	<input type="text" value="0.4611"/>	Tx Line Length	<input type="text" value="368 ft (112.2 m)"/>
Antenna Field Gain	<input type="text" value=".679"/>	Minimum Tower Aperture	<input type="text" value="11 ft (3.4 m)"/>
Ant. FI @ 1 mi./1kW	<input type="text" value="93.436"/> mV/m	Top Bay Elevation - AGL	<input type="text" value="328 ft (100.1 m)"/>
Antenna Input Power	<input type="text" value=".215"/> kW	Antenna Length	<input type="text" value="1 ft (0.2 m)"/>
Line Attenuation/100 ft	<input type="text" value=".2146"/> dB	Bottom of Antenna - AGL	<input type="text" value="328 ft (99.9 m)"/>
Power Loss in Coax	<input type="text" value=".043"/> kW	<div data-bbox="1186 1291 1785 1388" data-label="Text"> <p>This Software is Provided for Planning Purposes Only</p> </div>	
TPO	<input type="text" value=".258"/> kW		