

Options

Solve For: ☒ TPO ☐ ERP

Antenna input: ☒ End fed ☐ Center Fed

Edit Antenna
Database

*Transmission Line FM Mid-
Band Average Power Rating is
8.08kW*

User Input

ERP: .18 kW

Frequency: 103.5 MHz

Center of Radiation (COR) - AGL: 85 ft 25.9 m

1 Bay / Generic / Full-Wave Spacing Antenna

Additional Losses: 0 dB

Distance, Transmitter to Tower: 35 ft 10.7 m

Andrew LDF5-50A, 7/8" Foam Heliax 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 .390 kW

Line Attenuation/100 ft .3697 dB

Power Loss in Coax .042 kW 90.3 % Eff

TPO .432 kW

Tx Line Length 120 ft (36.6 m)

Minimum Tower Aperture 11 ft (3.4 m)

Top Bay Elevation - AGL 85 ft (26 m)

Antenna Length 1 ft (0.2 m)

Bottom of Antenna - AGL 85 ft (25.8 m)

Line Accessories

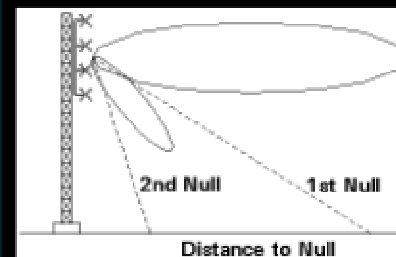
of Hangers 29

Hanger Spacing 3 ft

of Hanger Adapters 29

of Hoisting Grips 0

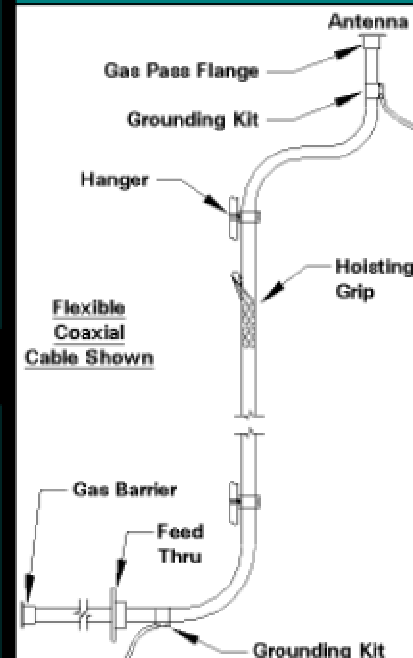
of Grounding Straps 2



1st Null 90 Degrees, 0 mi.

2nd Null

No Beam Tilt or Null Fill Used



*The Following Systems Will
Work In This Application:*

*A 815D5-5 kW Solid-State
Analog FM Transmitter*

