

Educational Media Foundation

Exhibit B

1425 North Market Boulevard ♦ Sacramento California ♦ 95834

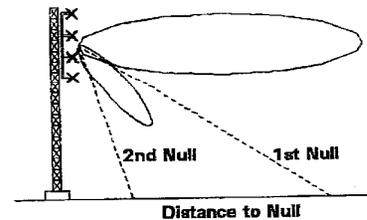
E-Slide RF System Calculations for EMF, Inc - KHRI 90.7 MHz - Hollister, CA

Transmitter:

Transmitter Power Output (TPO) 298 kW
Recommended Transmitter is the Continental 813A, 500 Watt Solid-State

Antenna:

Type of Antenna * 1-bay - End Fed - Full Wave
Length of Antenna 50 ft
Effective Radiated Power (ERP)1 kW
Height of Top Bay (AGL) 75 ft
Center of Radiation (AGL) 74.75 ft
Antenna Power Gain (H & V)43
Antenna Field Gain (H & V)6557
Antenna Input Power233 kW
Field Intensity (1kW @ 1 mile) 90.230 mV/m
1st Null (no beam tilt) 90 Degrees 0 Miles



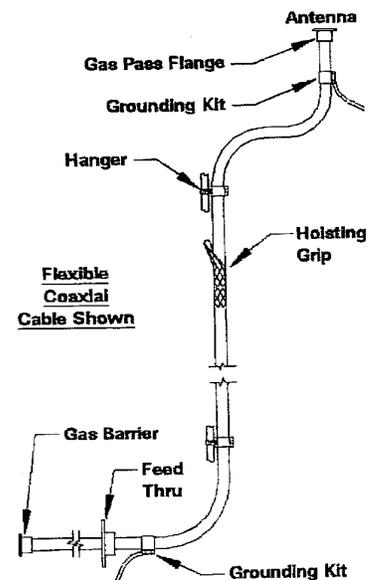
Null Fill, Beam Tilt, Pattern Studies, and Optimization are available. Null Fill and Beam Tilt will reduce power gain. Seek the advice of your consultant to help you determine if any of these are required.

Transmission Line:

Type of Line 1/2" Foam Cablewave #FLC12-50J
Transmission line average power rating is 3.4 kW
Total Length of Line 144.75 ft
Length of Line on Tower 74.75 ft
Distance to Transmitter 70 ft
Line Loss at 90.7 MHz 0.6681 db/100 ft.
Other Losses1 db
Power Loss in System065 kW
System Efficiency 78.215 %

Hangers:

Distance Between Hangers 3 ft
Number of Hangers 25
Number of Hanger Adapters 25
Number of Hoist Grips 1



Notice:

Please confirm all data with your Technical Consultant. Suggestions provided only to aid you and your Consultant prepare appropriate FCC forms and plan for equipment needs.

Provided by Skip Bushell - Owner - Dayspring Communications

Tuesday, December 19,2000 at 09:38pm