

Exhibit 16  
Human Exposure to Radio Frequency Radiation Study  
Hi-Line Radio Fellowship, Inc.  
BNPFT-20080620AEX  
Kellogg, Idaho  
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Hi-Line proposes a very low power (3 watts ERP) FM translator located at an existing communications site with K220BW and K49JD low power translators.

Utilizing the FCC's FM Model program to predict RF radiation levels at the site, it has been determined, using the "worst case" antenna type, that the proposed FM translator with a COR of 3 meters above the ground and an ERP of 3 watts will create a field of about 95 microwatts/square centimeter or less than 50 % of the FCC's guideline for "Public/Uncontrolled" access areas (See Figure 1).

Again utilizing the FM Model program, the RF radiation level for K220BW with an ERP of 42 watts horizontal polarization, "worst case" antenna type and a COR of 5 meters above ground level, the predicted field is 42 microwatts/square centimeter or less than 25 % of the guideline for "Public/Uncontrolled" access (See Figure 2).

K49JD has an ERP of 65 watts and a center of radiation of 4 meters above ground level. The antenna specified is a Scala 4DR-8-2HW which, according to documents posted on at [www.kathrein-scala.com](http://www.kathrein-scala.com) has a relative field of than 0.3 at a depression angle of 30 degrees from horizontal. Utilizing the path loss for free space and power density formulas, at a distance of 3.5 meters (30 degree angle and 2 meters above ground level, and 19.5 w (65 w x 0.3 relative field), the relative field of K49DJ is 12.3 microwatts/square centimeter or 6% of the "Uncontrolled/Public" exposure guideline.

The algebraic sum of the RF field densities is approximately 80 percent of the FCC's "Uncontrolled/Public" guideline for human exposure to RF radiation. Because "worst case" radiators were used in calculating the contribution for the FM translators, the actual RF field at the site should be substantially less. Therefore, it is presumed that granting this construction permit will not exceed the FCC's guidelines for human exposure to RF radiation for an "Uncontrolled/Public" access stie.

Figure 1: FM Model prediction for proposed translator

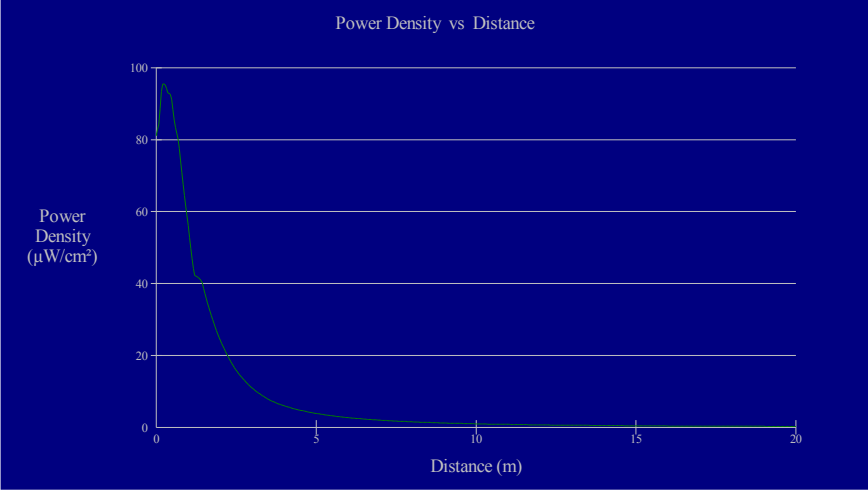


Figure 2: FM Model prediction for K220BW

