

Engineering Exhibit
WRFY-FM Reading, PA
Facility ID 69562

Radio Frequency Radiation Study and Statement

The proposed facilities were evaluated in terms of potential radio frequency exposure at ground level in accordance with OET Bulletin No. 65 "Evaluating Compliance with FCC Specified Guidelines for Human Exposure to Radio Frequency Radiation"

The proposed antenna system is an ERI SHP-3AE, 3 bay full wave spaced antenna mounted with its center of radiation 45.0 meters above ground level and will operate with an effective radiated power of 16.5KW in both the horizontal and vertical planes.

At 2 meters above ground, at 21.6 meters from the base of the tower, this proposal will contribute worst case 62.5 microwatts per square centimeter or 6.25% of the allowable ANSI limit for controlled exposure, and 31.3% of the allowable limit for uncontrolled exposure. It is therefore believed that this proposal is in compliance with OET Bulletin NO. 65 as required by the Federal Communications Commission.

Further, the applicant will see that signs are posted in the vicinity of the tower warning of potential radio frequency hazards at the site. The applicant will cooperate with other users of the tower to reduce power or cease operation as necessary to limit human exposure to levels less than specified by the Federal Communications Commission should anyone be required to climb the tower for maintenance or inspection.