

Engineering Exhibit
WISX (FM) Philadelphia PA
Facility ID 53973

This proposal is for an auxiliary antenna for WISX. It is proposed to utilize an existing auxiliary antenna authorized for WIOQ file number BLH-19980922KC and WUSL file number BLH-19980922KD. However, this proposal will not use the existing branched combiner system. WISX will be the sole user of the antenna during its auxiliary operation. Therefore, spurious measurements with all stations operating simultaneously into the antenna are not possible, and it is respectfully requested that this requirement be omitted from the construction permit.

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 antenna system is a Shively 6014-5-S, 5 bay full wave spaced antenna mounted with its center of radiation 158 meters above ground level and will operate with an effective radiated power of 17.5KW in both the horizontal and vertical planes.

At 2 meters above ground, at 62.6 meters from the base of the tower, this proposal will contribute worst case 2.87 microwatts per square centimeter or 0.287% of the allowable ANSI limit for controlled exposure, and 1.44% 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.