

WOSC (FM) Radio Station
Channel 240B1 - 95.9 MHz
Bethany Beach, Delaware

Radio Frequency Radiation Study and Statement

The facilities were evaluated in terms of potential radiofrequency radiation exposure at ground level in accordance with OST Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radiofrequency Radiation."

The WOSC (FM) antenna system will be a Dielectric six section three-quarter wave spaced antenna, mounted with its center of radiation 145 meters above ground level, and will operate with an effective radiated power of 10.3 kilowatts in both the horizontal and vertical planes. At two meters, the height of an average person, at the base of the tower, this proposal will contribute, worst case, .156 microwatts per square centimeter, or .016% of the allowable ANSI limit for controlled exposure, and .08% of the allowable limit for uncontrolled exposure. It is therefore believed that this proposal is in compliance with OST Bulletin Number 65 as required by the Federal Communications Commission.

The applicant will reduce the power of the facility, switch to an Auxiliary antenna, or discontinue 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, as stipulated in the Special Operating Conditions or Restrictions.