

Engineering Exhibit
WOSC (FM) Bethany Beach, DE
Facility ID 4674

WLBW (FM) Fenwick Island, DE
Facility ID 28170

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"

This proposal is for an auxiliary antenna for WLBW and WOSC and will be fed from the output of the main combiner system for WOSC, WLBW, WWFG and WOCM. During operation of this auxiliary antenna, WOSC and WLBW will operate with 2.8KW ERP and 2.0KW ERP respectively, and WWFG and WOCM will cease operation from this site.

The proposed antenna system is an EPA type 3, ERI SHP-1AE; one bay antenna mounted with its center of radiation 109 meters above ground level and will operate with a combined effective radiated power of 4.8KW in both the horizontal and vertical planes.

At 2 meters above ground, at 106.8 meters from the base of the tower, this proposal will contribute worst case 6.23 microwatts per square centimeter or 0.623% of the allowable ANSI limit for controlled exposure, and 3.12% 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.