

The facilities proposed herein for W276BR, when evaluated under the worst case methods in OET-65, will create less than 0.00033 mW/cm^2 at 2 meters above ground level which is less than 0.16% of the maximum permitted for general population/uncontrolled exposure. A 3 bay full wave spaced Jampro antenna is installed which reduces the power density at ground level. The facilities were also studied using the computer program FM Model developed by the Environmental Protection Agency in cooperation with the FCC. FM Model predicts a maximum of 0.0056 mW/cm^2 2 meters above ground at 34 meters from the base of the tower, or 2.8% of the allowable level for general population/uncontrolled exposure. Because this predicted power density is less than 5% of that permitted for general population/uncontrolled exposure, the proposed exposure is de minimus. Because the site is a shared site, the following information describes the other facilities at the site, WEGG (AM) and W263BE.

WEGG is licensed on 710 kHz with 250 watts with a construction permit for 2.5 kilowatts and a tower which is 67.6 electrical degrees or 0.188 wavelength tall. Using the methods in OST-65, the required fence distance for this power level and tower electrical height is 4 meters. The actual fence will be more than 4 meters from the active components of the tower at its closest approach prior to activation of the 2.5 kilowatt facilities. The site is therefore more protective than the minimum for the AM station. The tower site is fenced with a locked gate, and the facility is marked with signs indicating the presence of non-ionizing RF radiation. The site use agreement with other users of the site includes provisions to prevent excess exposure to maintenance workers on the tower. The agreement includes requirements that the users remove power from antennas when personnel are on the tower in the vicinity of the antenna to avoid exposing workers to non-ionizing radiation.

In addition to AM station WEGG, the tower is authorized for use by FM translator W263BE, Rose Hill, North Carolina. The authorized W263BE facilities, when evaluated

under worst case methods in OET-65, will create less than 0.00055 mW/cm² at 2 meters above ground level which is less than 0.3% of the maximum permitted for general population/uncontrolled exposure.

As required for all broadcast facilities by §1.1307(b), the subject facility complies with the maximum exposure limits in 47 C.F.R. §1.1310 TABLE 1.—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE) both part (A) Limits for Occupational/Controlled Exposures and part (B) Limits for General Population/Uncontrolled Exposure. The evaluation was conducted using the procedures in OET Bulletin 65, Edition 97-01, “Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields, and the computer program FM Model developed by the Environmental Protection Administration.



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Timothy L. Warner, P.E.
Post Office Box 8045
Asheville, North Carolina 28814-8045
(828) 258-1238
twarner@tlwinc.net