

W276BR, Rose Hill, North Carolina
Radio Frequency Radiation Evaluation

The facilities proposed herein for W276BR, when evaluated under the worst case methods in OET-65, will create less than 0.00026 mW/cm^2 at 2 meters above ground level which is less than 0.13% of the maximum permitted 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), W240BN, and W263BE.

WEGG is licensed on 710 kHz with 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 is more than 4 meters from the active components of the tower at its closest approach. 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.

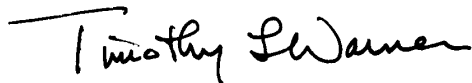
In addition to AM station WEGG, the tower is authorized for use by FM translator W263BE, Rose Hill, North Carolina. The authorized W263BE facilities, when evaluated under worst case methods in OET-65, will create less than 0.00055 mW/cm^2 at 2 meters above ground level which is less than 0.3% of the maximum permitted for general population/uncontrolled exposure.

The tower is authorized for use by FM translator W240BR, Rose Hill, North Carolina. The authorized W240BR construction permit facilities, when evaluated under worst case

methods in OET-65, will create less than 0.0029 mW/cm^2 at 2 meters above ground level which is less than 1.5% of the maximum permitted for general population/uncontrolled exposure.

The combined FM facilities, evaluated using the worksheet for multiple FM transmitting facilities, do not produce power density at ground level in excess of 5% of the maximum permitted exposure for uncontrolled public 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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