

ENVIRONMENTAL COMPLIANCE
WMNA-FM HALIFAX, VIRGINIA 292C3
3 DAUGHTERS MEDIA, INC.
FCC FORM 301
JULY 2020

The facility proposes to utilize a 3 bay 0.85 wavelength-spaced antenna, circularly polarized, with an Effective Radiated Power of 15 kW. The proposed Center of Radiation will be 88.6 meters Above Ground Level. Calculations were made using FM Model for Windows, version 2.10. FM Model predicts a peak exposure of 36.790 $\mu\text{W}/\text{cm}^2$ at a distance of 13 meters from the base of the tower. This represents less than 18.4% of the allowable Maximum Permissible Exposure (“MPE”) of 200 $\mu\text{W}/\text{cm}^2$ for uncontrolled environments at any point on the ground. The applicant will ensure that the public access to the tower is restricted by fencing, anti-climb devices or other appropriate measures. The site will be posted with RF warning signs. If climbing of the tower by authorized personnel becomes necessary, transmitter power will be reduced to safe operating levels or transmission will be terminated, if necessary, as not to exceed the RF exposure limits to tower workers. The licensee will cooperate with other users at the site with the scheduling of such tower or antenna maintenance.

The site is an existing tower site. The National Programmatic Agreement generally allows such a collocation without consultation or review under Section 106 and Subpart B of 36 CFR §800. The applicant believes that it is in full compliance with the Agreement, and that no further study is required.