

**HOLSTON VALLEY BROADCASTING CORPORATION
WOPI-CA, BRISTOL, VIRGINIA**

ENVIRONMENTAL CONSIDERATIONS

By this minor change application, Holston Valley Broadcasting Corporation, licensee of WOPI-CA, Bristol, Virginia, proposes to increase the maximum effective radiated power of WOPI-CA to 3000 watts. No change in location or antenna system is proposed. Since the maximum effective radiated power (ERP) is the only change, environmental considerations involve only an increase in RF exposure. As shown below, RF exposure at the higher power level would be no more than a small fraction of the maximum permitted by FCC rules.

At any depression angle of 60 degrees or more, the maximum relative field is 0.195. The antenna radiation center above ground is 23 meters. Calculated as prescribed in Supplement A of OET Bulletin 65, the RF exposure at two meters above ground is 4.3 microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$), only 2.2 percent of the allowed $200 \mu\text{W}/\text{cm}^2$ allowed by FCC rules at the frequency of TV channel 9 for the general population.

For the protection of workers required to provide maintenance services on the tower or antenna, power to the antenna is reduced or shut down as appropriate.