

Engineering Exhibit
WRBT (FM) Harrisburg, PA
Facility ID 54019

RF Radiation Compliance

The proposed facilities were evaluated in terms of potential radio frequency radiation exposure at ground level in accordance with OET Bulletin No. 65 “Evaluating Compliance with FCC Specified Guidelines for Human Exposure to Radio Frequency Radiation”

The proposed antenna will serve as an auxiliary facility for WRBT (FM). The proposed antenna system is an ERI LPX-2E, 2 bay full wave spaced antenna mounted with its center of radiation 30.0 meters above ground level and will operate with an effective radiated power of 2.4KW in both the horizontal and vertical planes.

Environmental Considerations

Due to the complexity of the surrounding RF environment, WRBT will take power density measurements prior to filing of an application for license to demonstrate compliance with 74CFR 1.1306.