

Radiofrequency Radiation (RFR) Statement of Compliance

As discussed below, the subject station's predicted power density contribution at the multiple-use site is not considered significant and does not require consideration.

As shown on the vertical elevation pattern submitted elsewhere in this application, the relative field of the proposed antenna does not exceed a value of 0.149 at any downward direction greater than 12 degrees below the horizontal. Therefore, considering this worst-case downward relative field, the subject station is predicted to produce a maximum power density of only 18.54 microwatts per square centimeter toward a distance which is 461 meters from the tower base. This represents only 4.69% of the FCC Guideline value of 395.33 microwatts per square centimeter for uncontrolled RFR environments. Pursuant to Section 1.1307(b)(3) of the FCC Rules, because the proposed facility would not exceed 5% of the uncontrolled and controlled exposure limit, the proposal's power density contribution is insignificant.

Further, the Applicant will continue to cooperate/coordinate with other site users and reduce power and/or cease operation during times of service or maintenance of the transmission systems as necessary to avoid potentially harmful exposure to personnel. In light of the above, the proposed facility should be categorically excluded from RF environmental processing under Section 1.1307(b) of the Commission's Rules.