

Radiofrequency Radiation (RFR) Statement of Compliance

The proposed site is considered a multiple-use transmitter site. For a multiple-use site such as this, the percentage of the FCC guideline value each facility contributes must be determined, and the sum of the individual contributions must not exceed 100% of the FCC guideline value. The attached Table, entitled "Summary of Radiofrequency Radiation Study", shows the stations considered in the instant study and authorized technical facilities. As shown on the attached Table, the maximum cumulative predicted power density at the shared site represents only 18.85% of the FCC guideline value for "uncontrolled" environments.

Based on the calculations discussed above, the maximum cumulative predicted power density at the shared site is 3.8% of the FCC guideline value for "controlled" environments. The applicant will insure the protection of station personnel or tower contractors working in the vicinity of the proposed transmitting antenna. The applicant will reduce power and/or cease operation in cooperation with other site users during times of service or maintenance of the transmission systems as necessary to avoid potentially harmful exposure to personnel.

SUMMARY OF RADIOFREQUENCY RADIATION STUDY

WCWF, Suring, WI
Channel 15, 692 kW, 332 m HAAT
July, 2017

<u>CALL</u>	<u>SERVICE</u>	<u>CHANNEL</u>	<u>FREQUENCY</u>	<u>POLAR- IZATION</u>	<u>ANTENNA HEIGHT</u>	<u>ERP (kW)</u>	<u>VERT. RELATIVE FIELD FACTOR*</u>	<u>WORST-CASE PREDICTED POWER DENSITY ($\mu\text{W}/\text{cm}^2$)</u>	<u>FCC UNCONTROLLED LIMIT ($\mu\text{W}/\text{cm}^2$)</u>	<u>PERCENT OF UNCONTROLLED LIMIT</u>
WCWF	DT	15	479	H & V	311	692.000	0.300	43.585	319.33	13.65%
WFRV-TV	DT	22	521	H	343.2	699.000	0.300	18.054	347.33	5.20%
TOTAL PERCENTAGE OF FCC GUIDELINE VALUE =										18.85%

* For television stations a very conservative vertical relative field factor of 0.3 was assumed pursuant to OET Bulletin 65.