

## RFR Statement of Compliance

---

The tower site specified herein is a multiple use transmitter site. As such, the percentage of the FCC maximum public exposure 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 maximum cumulative predicted power density at the shared site represents only 37.97% of the FCC guideline value for 'uncontrolled' environments. It should be noted that a concurrently filed application proposes a new auxiliary antenna for WZYP which will be side-mounted on the existing tower below the main WZYP antenna specified herein. By definition, the WZYP auxiliary antenna will not be in operation during times the main antenna is in use. Therefore, the proposed WZYP auxiliary antenna is excluded from the instant analysis.

Further, the applicant is committed to reducing power and/or ceasing 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.

# SUMMARY OF RADIOFREQUENCY RADIATION STUDY

WZYP-MAIN

April 26, 2024

<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 (<math>\mu\text{W}/\text{cm}^2</math>)</u>	<u>FCC UNCONTROLLED LIMIT (<math>\mu\text{W}/\text{cm}^2</math>)</u>	<u>PERCENT OF UNCONTROLLED LIMIT</u>
WZYP-MAIN	FM	282	104.3	H & V	195	100.000	note 1	10.468	200.00	5.23%
W280BA	FM	280	103.9	H & V	180	0.099	1.000	0.209	200.00	0.10%
WAYH	FM	225	92.9	H & V	62	3.500	1.000	64.964	200.00	32.48%
WTZD-CP*	TV	11	201	H	146	2.000	0.300	0.290	200.00	0.15%
<b>TOTAL PERCENTAGE OF FCC GUIDELINE VALUE =</b>										<b>37.97%</b>

\* The WTZD-CP facility provides for a worst-case RFR analysis in comparison to the licensed WTZD-CD facility. Also, a very conservative vertical relative field factor of 0.3 was assumed for this facility pursuant to OET Bulletin 65.

note 1: FM Model Antenna: EPA Type 3; ERI Rototiller Type, 8-bay, full-wave spaced antenna,