

RFR Statement of Compliance

The master antenna specified herein is shared by three FM stations (WNCV, WKSM and WZNS) and is collocated with two authorized FM translator antennas. In addition, an AM station is located in close proximity. For the purposes of this study, all of these stations will be considered to be co-located in order to provide a worst-case RFR analysis.

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. As shown on the attached table, the maximum cumulative predicted power density at the shared site represents only 32.69% 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 6.5% of the FCC guideline value for "controlled" environments. 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**
CUMULUS FORT WALTON BEACH, FL TOWER
May, 2020

<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>FM WORST-CASE PREDICTED POWER DENSITY ($\mu\text{W}/\text{cm}^2$)</u>	<u>AM WORST-CASE PRDICTED H-FIELD or E-FIELD (A/m or V/m)</u>	<u>APPLICABLE UNCONTROLLED FCC LIMIT</u>	<u>PERCENT OF UNCONTROLLED LIMIT</u>
WNCV.APP	FM	227	93.3	H & V	140.7	50.000	note 1	10.139	N/A	200.00	5.07%
WZNS.APP	FM	243	96.5	H & V	140.7	100.000	note 1	20.277	N/A	200.00	10.14%
WKSM.APP	FM	258	99.5	H & V	140.7	50.000	note 1	10.139	N/A	200.00	5.07%
WFTW	AM		1260 kHz		0.275 λ	2.500	note 2	N/A	0.193	1.63	11.84%
W232CF	FM	232	94.3	H	81	0.098	1.000	0.525	N/A	200.00	0.26%
W298CV-CP	FM	298	107.5	H & V	150	0.200	1.000	0.610	N/A	200.00	0.31%

TOTAL PERCENTAGE OF FCC GUIDELINE VALUE = 32.69%

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

note 2: The WFTW AM Daytime operation's magnetic field strength (H) at the fence distance of 6.6 meters was considered for a worst-case analysis (OET Bulletin 65, Supplement A, Figure 2).