

RFR Statement of Compliance

There are three stations which share the support structure specified herein. 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 colocated stations considered in the instant study. As shown on the attached Table, the maximum cumulative predicted power density at the shared site represents only 77.0% 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 15.4% 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

KDIS-FM, Little Rock, AR

3/24/2022

<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' (mW/cm²)</u>	<u>WORST-CASE PREDICTED POWER DENSITY (µW/cm²)</u>	<u>FCC UNCONTROLLED LIMIT (µW/cm²)</u>	<u>PERCENT OF UNCONTROLLED LIMIT</u>
KDIS-FM (APP)	FM	258	99.5	H & V	71.6	5.700	1.000	0.07862	78.625	200.00	39.31%
KKSP	FM	227	93.3	H & V	82	22.000	note 1	0.07531	75.310	200.00	37.66%
K27JP-D (CP)	DT	15	479	H	95	5.000	0.300	0.00174	1.738	319.33	0.54%

TOTAL PERCENTAGE OF FCC GUIDELINE VALUE = 76.97%

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

note 1: FM Model Antenna: EPA Type 1; Shively 6810 Series, 4-bay, half-wave spaced antenna