

RF Emissions Analysis Proposed KOCY-LD:

The applicant proposes to use an authorized and registered tower #1011487. No change is proposed to the height of this tower. A search of the FCC database has determined that there are also five FM translators on the tower. The following is a list of all stations found on the proposed tower:

Call	Service	City	State	Chan.	Power	Coordinates	Dist	Bear
AM ----- None Found -----								
FM -----								
K225BN	X	Oklahoma City	OK	225D	0000.200kw	353251N 972930W	000.0	090.4
K237GE	X	Oklahoma City	OK	237D	0000.050kw	353251N 972930W	000.0	090.4
K237GE	CP X	Oklahoma City	OK	237D	0000.250kw	353251N 972930W	000.0	090.4
K237GE	X	Oklahoma City	OK	237D	0000.250kw	353251N 972930W	000.0	090.4
K276EX	X	Oklahoma City	OK	276D	0000.099kw	353251N 972930W	000.0	090.4
K279CR	X	Oklahoma City	OK	279D	0000.099kw	353251N 972930W	000.0	090.4
K283BW	X	Oklahoma City	OK	283D	0000.250kw	353251N 972930W	000.0	090.4
TV -----								
KOCY-L	CP G	Oklahoma City	OK	48 T	0015.000kw	353251N 972930W	000.0	090.4
KOCY-L	X	Oklahoma City	OK	48ZT	0018.100kw	353251N 972930W	000.0	090.4

KOCY-LD will transmit on channel 14, using an effective radiated power of 15 kW from an antenna height above ground of 212.6 meters. The applicant proposes to employ the SWR SWEDL4OI 4-bay antenna. Using the OET 65 formulas, and a standard vertical elevation field toward the nadir for this type of antenna of 0.2, it can be determined that the facility produces 0.452 μW per cm² at head height, which is 0.0143 percent of the maximum for an uncontrolled area.

The proposed antenna is well below the 315.34 μW per cm² uncontrolled area maximum, so no further analysis was deemed necessary.

The applicant has an agreement with the other user of the tower to reduce power or terminate transmissions to protect workers on or near the tower. The site is posted with all appropriate warning signs.