

EXHIBIT 13 -1

**FM TRANSLATOR ALLOCATION STUDY
KXEN(AM) FILL-IN TRANSLATOR ST. LOUIS, MISSOURI
CDBS 04272018**

Search of channel 264 (100.7 MHz Class D) at 38-38-08.8 N, 90-11-44.6 W.

CALL	CITY	ST CHN CL	DIST	SEP	BRNG	CLEARANCE
WXOS	EAST ST. LOUIS	IL 266 C1	24.53	0.00	225.9	-25.48 db 1
NEW	ST. LOUIS	MO 264 D	0.00	0.00	90.0	-20.66 Proposed
KATZ-FM	BRIDGETON	MO 262 C3	17.09	0.00	288.9	-16.41 dB 2
KFNS-FM	TROY	MO 264 A	83.40	0.00	304.1	4.74 dB
W211AD	GRANITE CITY	IL 211 D	9.00	0.00	32.0	9.0
KRHS	OVERLAND	MO 211 D	16.31	0.00	300.6	16.3
KGNA-FM	ARNOLD	MO 210 A	27.80	10.00	217.5	17.8
KGMO	CAPE GIRARDEAU	MO 264 C	153.22	0.00	157.2	18.22 dB
WYMG	CHATHAM	IL 263 B	116.34	0.00	11.6	18.62 dB
KDJR	DE SOTO	MO 261 A	75.32	0.00	205.6	24.77 dB
WLCA	GODFREY	IL 210 A	34.79	10.00	359.9	24.8
K264BZ	ROLLA	MO 264 D	154.10	0.00	242.1	26.92 dB
WTGT-LP	DONNELLSON	IL 265 LP100	76.69	13.00	54.7	31.86 dB
W265CW	CENTRALIA	IL 265 D	91.01	0.00	96.2	31.88 dB
KGMO	CAPE GIRARDEAU	MO 264 C	152.02	0.00	157.3	33.80 dB
WMGI	TERRE HAUTE	IN 264 B	252.15	0.00	67.9	37.33 dB
KRRY	CANTON	MO 265 C2	184.86	0.00	319.2	37.65 dB

1. Please see Exhibit 13 - 3 contour overlap study. The WXOS CH 266 Class C1 facility places its 84.9 dBu contour at the proposed translator site. Since this signal level is stronger than the KATZ-FM signal at the proposed translator site please see Free space analysis in footnote 2 for KATZ-FM. A waiver of 74.1204 is respectfully requested based on no caused interference to WXOS based on the free space methodology described below.
2. The KATZ-FM CH 262 Class C3 facility places its 75.8 dBu contour at the proposed translator site making the translator 115.8 dBu contour the proposed interfering contour to second adjacent CH station KATZ-FM. Exhibit 13-4 is the classic free space signal level analysis based on a one bay Shively 6815-1 antenna. The allowable signal level is 115.8 dBu while the highest calculated signal level from the proposed translator is 107.2 dBu which is 8.6 dB below the allowable to KATZ-FM and 17.7 dB below the 124.9 dBu allowable to WXOS. A waiver of 74.1204 is respectfully requested based on no caused interference to either WXOS or KATZ-FM based on the free space methodology described herein.