

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 | DONNELSON | 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.