

KBIK-FM CLASS C2 SITE CHANGE
TECHNICAL AMENDMENT

This amendment is being filed to correct the tower site coordinates. The ASR coordinate data place the existing tower 220 meters west of the actual tower site, on a bearing of 277.9 degrees. This very minor site correction does not change the compliance with the station's city grade coverage over Independence, Kansas or compliance with Part 73.3555(a) concerning Multiple Ownership.

The attached Class C2 FM spacing study shows the site still fully spaced to all licensed close FM stations and in compliance with Part 73.207. The spacing study was made using both the CDBS and LMS databases.

This amendment also requests the use of the application site as the Proposed Allotment Coordinates for the Class C2 upgrade. These coordinates are N37° 05' 37.4" W95° 41' 42.9"

The second attachment shows the proposed new site local parameters. The antenna height above average terrain was now calculated to be 152 meters. The requested effective radiated power will be 48,600 watts, in compliance with Part 73.211.

The ASR coordinate information and ownership is also being corrected at this time.

All information in this amendment is true and accurate to the best of my knowledge.



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03-27-2020

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FM Study for: KBIK FCC Database Date: 3/27/2020 37-05-37
Location: INDEPENDENCE, KS Channel Class: C2 95-41-53

[*] by HAAT indicates calculated as missing in database.

Call City, State Chan Class Freq kW Latitude Dist. Required
Status Proponent File Number HAAT Longitude Azm. Clear (km)

>>>>>>> Study For Channel 275 102.9 MHz <<<<<<<<

| | | | | | | | | |
|--------|-------------------------------------------|-----------------|-------|-------|----------|-------|--------|--------|
| KBIK | INDEPENDENCE, KS | 275 C3 | 102.9 | 25.0 | 37-15-42 | 19.6 | 177 | |
| LIC | Fac. No. 9793 | BLH-20001220ACJ | 83 | | 95-45-59 | 342.0 | -157.4 | SHORT |
| | Use of 73.215 for short spacing requires: | | | | | 166 | -146.4 | SHORT |
| KHUT | HUTCHINSON, KS | 275 C1 | 102.9 | 98.0 | 38-02-39 | 230.3 | 224 | |
| LIC | Fac. No. 18068 | BLH-19910530KB | 131 | | 98-00-56 | 298.0 | +6.3 | CLOSE |
| KHBZ | HARRISON, AR | 275 C1 | 102.9 | 100. | 36-26-10 | 231.0 | 224 | |
| LIC | Fac. No. 26235 | BLH-20130926BCC | 293 | | 93-14-36 | 107.7 | +7.0 | CLOSE |
| KJSR | TULSA, OK | 277 C | 103.3 | 100. | 36-01-14 | 119.1 | 105 | |
| LIC | Fac. No. 9801 | BLH-20150114AAD | 395 | | 95-39-28 | 178.3 | +14.1 | CLOSE |
| KIXQ | JOPLIN, MO | 273 C1 | 102.5 | 100. | 37-05-49 | 100.0 | 79 | |
| LIC | Fac. No. 5269 | BLH-20060106ABQ | 278 | | 94-34-25 | 89.5 | +21.0 | CLEAR |
| KPIMLP | BROKEN ARROW, OK | 275 L1 | 102.9 | | 36-02-08 | 118.6 | 91 | |
| LIC | Fac. No. 197632 | BLL-20141210AAE | 42 | | 95-52-59 | 188.1 | +27.6 | CLEAR |
| KTOPFM | ST. MARYS, KS | 275 C2 | 102.9 | 30.0+ | 39-03-50 | 218.8 | 190 | 73.215 |
| LIC | Fac. No. 60034 | BLH-20030326AHX | 182 | | 95-45-49 | 358.5 | +28.8 | CLEAR |
| KEKS | OLPE, KS | 276 A | 103.1 | 2.45 | 38-17-37 | 140.8 | 106 | 73.215 |
| LIC | Fac. No. 166016 | BLH-20061117ADU | 96 | | 96-13-03 | 341.2 | +34.8 | CLEAR |

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 Project: KBIK

03-27-2020

Site Coordinates: 37-05-37 North 95-41-43 West
 NGDC 30-Second Database is used in Continental US
 DEM-30 Database is used in AK, HI, and PR.

F(50,50) Contours -----

| Azm (deg) | HAAT (mtrs) | 70 dBu (km) | 60 dBu (km) | Radial (mtrs) |
|--------------|----------------|----------------|----------------|------------------|
| 0 | 150 | 32.3 | 51.8 | 243 |
| 45 | 158 | 33.1 | 52.8 | 235 |
| 90 | 164 | 33.7 | 53.4 | 229 |
| 135 | 168 | 34.1 | 53.9 | 225 |
| 180 | 154 | 32.7 | 52.3 | 239 |
| 225 | 136 | 30.9 | 49.9 | 257 |
| 270 | 147 | 32.0 | 51.4 | 246 |
| 315 | 138 | 31.1 | 50.2 | 255 |

Data in (feet) meters

Overall Height Above Average Terrain: (499) 152 *
 Site Elevation AMSL: (908) 277
 Antenna Height Above Ground Level: (381) 116
 Antenna Center Above Sea Level: (1,289) 393
 Overall Ground Average Terrain AMSL: (791) 241
 Effective Radiated Power: 48.60 kW *
 TV/FM Channel: 275

