

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.



Larry P. Waggoner
Broadcast Technical Consultant
8112 West Meadow Pass
Wichita, KS 67205
(316) 519-5138 Cell
larry@lpwagg.com

03-27-2020

Larry Waggoner

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

Larry Waggoner

03-27-2020

Project: KBIK

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

VERTICAL SKETCH

