

Comprehensive Technical Exhibit
Amendment to Application for Construction Permit
KARF(FM) – Independence, Kansas
BPED-20070907ABT
Community Broadcasting, Inc.
October, 2008

Amendment to Application for Construction Permit

The following engineering statement and attached exhibits have been prepared for **Community Broadcasting, Inc.**, licensee of non-commercial educational FM station KARF(FM) at Independence, Kansas, and are in support of their amendment to application for construction permit.¹ This application seeks to further amend BPED-20070907ABT, by correcting a discrepancy in the geographic coordinates as specified in the application and those listed in the antenna structure registration information.

A discrepancy in the geographic coordinates was noted in the pending application. The application specifies coordinates of 37-03-54 north latitude and 95-45-03 west longitude. Data under ASRN 1237628 specifies coordinates of 37-03-55.1 North latitude and 95-45-01.9 west longitude. When transformed from NAD83 to NAD27 the resulting coordinates when rounded are 37-03-55 north latitude and 95-45-01 west longitude.² The form pages of the application have been corrected to reflect these coordinates, which are not only consistent with the ASR data, but also with the FAA determination of no-hazard and an actual survey of the tower location.

Although the change in the coordinates is minor, the remainder of the data in the application has been checked for accuracy and compliance with the Commission's Rules following this change. Exhibits previously submitted to the Commission have been updated to reflect this correction in the geographic coordinates. All other parameters of the facility remain unchanged.

¹ The Facility ID for KARF(FM) at Independence, Kansas is 78930.

² Coordinate transformation made through the use of USGS Corpscon software. Un-rounded coordinates in NAD27 are 37-03-54.8 north latitude and 95-45-00.98 west longitude.

The minor change to the originally submitted application pertains to the proposed directional antenna pattern. The originally proposed directional pattern proposed a slope that exceeded 2 dB per 10 degrees between azimuths of 190 and 200 degrees true. This amendment seeks to change the proposed pattern envelope slightly to eliminate this issue. No other substantive changes to the original application are proposed, however, the change in the directional pattern envelope will result in changes to the coverage and interference exhibits. Updated versions of the technical exhibits are included in this amendment.

Affidavit

The preceding statement and attached exhibits have been prepared by me, or under my direction, and are true and accurate to the best of my belief and knowledge.



Above signature is digitized copy of actual signature
License Expires November 30, 2009

Jeremy D. Ruck, PE
October 27, 2008

KARF.A

BPED20070907ABT

Latitude: 37-03-55 N

Longitude: 095-45-01 W

ERP: 100.00 kW

Channel: 218

Frequency: 91.5 MHz

AMSL Height: 348.0 m

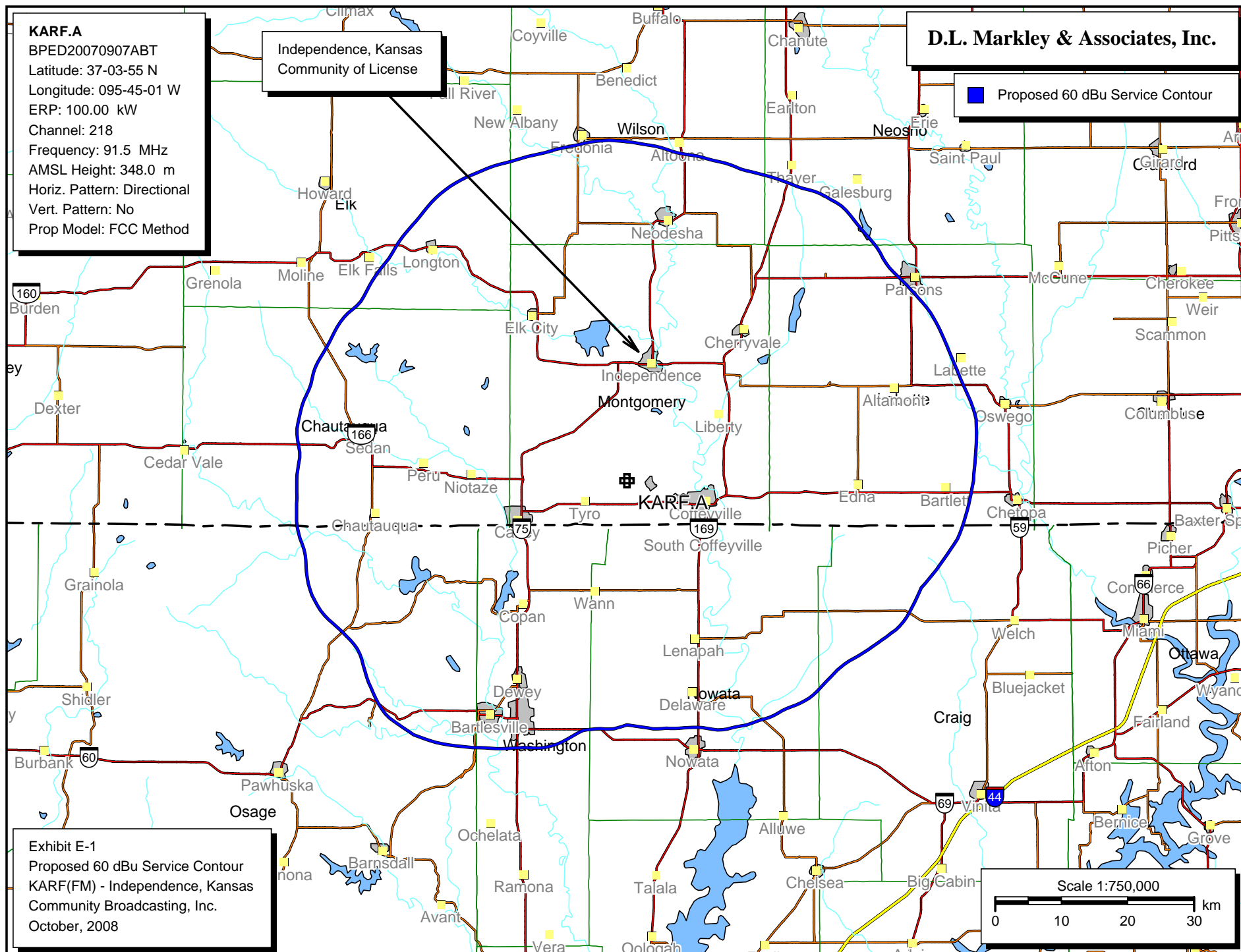
Horiz. Pattern: Directional

Vert. Pattern: No

Prop Model: FCC Method

Independence, Kansas
Community of License**D.L. Markley & Associates, Inc.**

■ Proposed 60 dBu Service Contour



D. L. Markley & Associates, Inc.
Consulting Engineers

Exhibit E-2 - Allocation Study
KARF(FM) - Independence, Kansas

REFERENCE		CH#	218C1 - 91.5 MHz, Pwr= 100 kW, HAAT= 100.0 M, COR= 348 M						DISPLAY DATES		
37 03 55.0 N.			Average Protected F(50-50)= 50.87 km						DATA 10-25-08		
95 45 01.0 W.									SEARCH 10-27-08		
CH	CALL	TYPE	ANT	AZI	DIST	LAT	PWR(kW)	INT(km)	PRO(km)	*IN*	*OUT*
CITY		STATE		<--	FILE #	LNG	HAAT(M)	COR(M)	LICENSEE	(Overlap	in km)
218C2	KARF	LIC	_VX	0.0	0.00	37 03 55.0	28.000	116.6	40.1	-167.62*	-186.69*
Independence		KS		0.0	BLD20070529AGS	95 45 01.0	100	348	Community Broadcasting, Inc		
06+2C	KOTV	LI	_CN	176.7	116.09	36 01 15.0	100.000		126.6	139.1R	-23.0M
Tulsa		OK		356.7	BLCT19841031KI	95 40 32.0	573	769	Gri ffi n Tul sa I Li censing,		
217A	KRSC-FM	LIC	_CN	173.1	83.49	36 19 06.0	2.200	36.8	24.4	9.05	0.08
Claremore		OK		353.2	BLD19850226KW	95 38 18.0	111	309	Board Of Regents Of Oklaho		
218C2	NEW	CP	DVX	70.8	197.28	37 37 49.3	50.000	133.7	48.1	11.23	1.40
Ash Grove		MO		252.0	BNPED20071022BNO	93 38 21.4	103	399	St. Robert Bell armine Educ		
219C3	KNEO	CP	_CX	99.7	117.61	36 52 49.0	14.000	57.4	38.0	9.59	2.20
Neosho		MO		280.5	BPED20070727AIP	94 26 59.0	114	443	Sky High Broadcasting Corp		
218C1	KANU	LIC	_CN	11.2	213.83	38 57 14.0	100.000	161.5	63.5	2.35	4.71
Lawrence		KS		191.5	BLD19920721KA	95 16 11.0	213	491	Uni versi ty Of Kansas		
217C3	KAXR	LIC	_CX	262.6	114.63	36 55 32.0	13.500	50.7	32.3	13.82	2.78
Arkansas Ci ty		KS		81.8	BLD20050510ABI	97 01 34.0	98	439	Ameri can Fam i ly Associatio		
215A	1212036	APP	DCX	233.0	57.68	36 45 09.0	6.000	2.4	24.4	6.21	27.72
Pawhuska		OK		52.7	BNPED20071022AXC	96 16 02.0	74	349	Pearl Communi cations Group		
216C1	1215740	APP	DCX	34.9	73.17	37 36 16.0	94.000	6.7	57.0	14.24	10.11
Al toona		KS		215.2	BNPED20071022BI Y	95 16 30.0	225	509	Joshua Springs Calvary Cha		
219A	KNEO	LIC	_CX	99.7	117.61	36 52 49.0	4.600	45.0	29.4	21.96	10.77
Neosho		MO		280.5	BLD20021104AAA	94 26 59.0	114	443	Sky High Broadcasting Corp		
216C3	1198771	APP	_CX	109.8	61.36	36 52 36.0	13.000	2.8	27.8	11.32	28.37
Wel ch		OK		290.2	BNPED20071015ACA	95 06 09.0	77	326	Radio Ni ne El even, Inc.		
218C3	KVAZ	LIC	_VX	186.7	169.51	35 32 53.0	7.800	102.5	39.4	29.34	13.18
Henryetta		OK		6.6	BLD20080214ACU	95 58 14.0	172	388	South Central Okl ahoma Chr		
216A	1209879	APP	_CX	108.6	65.66	36 52 29.7	5.000	2.5	25.5	15.57	34.86
Mi ami		OK		289.1	BNPED20071017AEQ	95 03 07.5	95	342	Myaami a Foundati on		
220C2	NEW	CP	ZCX	34.9	73.17	37 36 15.8	50.000	4.6	42.8	16.34	24.25
Gi rard		KS		215.2	BNPED20071015ACV	95 16 30.0	93	377	Grace Publi c Radi o		
221C2	KTBT«	LIC	_CN	193.4	108.91	36 06 38.0	27.000	5.9	52.3	78.5R	30.4M
Broken Arrow		OK		13.3	BLH19901114KC	96 01 57.0	200	425	Clear Channel Broadcasing		
218C1	KSNS	LIC	_VX	275.0	259.64	37 14 02.0	96.000	157.3	60.8	52.87	53.75
Medi ci ne Lodge		KS		93.3	BLD20080102AAA	98 39 55.0	141	627	Flori da Publi c Radi o, Inc.		
219C0	KOSU	LIC	_CX	228.5	213.65	35 46 50.0	100.000	108.0	74.4	55.45	59.69
Sti ll water		OK		47.5	BLD20050923AEE	97 31 29.0	308	624	Okl ahoma State Uni versi ty		
220C2	KBDD	LIC	DC_	288.6	112.61	37 22 56.0	48.000	3.7	36.8	59.06	70.16
Wi nfi el d		KS		107.9	BLD20000419ACA	96 57 20.0	150	525	Fami ly Worshi p Center Chur		
215C1	1255768	APP	DVX	132.9	114.01	36 21 47.7	60.000	5.1	45.9	66.31	63.56
Oaks		OK		313.5	BNPED20071022BUI	94 49 07.1	109	408	Foundati on For The Annunci		
215C2	1215550	APP	DCX	141.2	121.23	36 12 45.0	40.000	5.2	47.3	73.37	69.35
Tahl equah		OK		321.7	BNPED20071022BAF	94 54 11.0	108	421	Church Of God Of Prophecy		
216C3	KJOG	CP	DVX	227.8	123.73	36 18 47.0	19.000	3.2	32.8	70.20	85.14
Cl evel and		OK		47.1	BNPED20071019AEN	96 46 20.0	94	371	Network Of Glory, Inc.		
216C1	1198300	APP	DVX	24.4	127.35	38 06 29.8	73.000	5.1	46.3	71.75	75.29
Fort Scott		KS		204.7	BNPED20071022BBA	95 08 57.0	97	421	St. Bernard's Council No.		
272C2	KKCM«	LIC	_C_	198.3	99.86	36 12 39.0	50.000	50.6	33.7	26.5R	73.4M
Sand Springs		OK		18.1	BLH19990129KA	96 06 03.0	150	387	Cox Radi o, Inc.		
217C0	KUAF	LIC	DC_	130.6	204.91	35 51 12.0	100.000	83.9	57.3	78.20	82.19
Fayettevill e		AR		311.7	BLD20010813AAD	94 01 32.0	332	875	Board Of Trustees Of The U		
215A	1210649	APP	DVX	122.2	130.99	36 25 54.0	4.600	2.7	28.6	83.05	97.49
Gentry		AR		302.9	BNPED20071018AQV	94 30 46.0	114	454	John Brown Uni versi ty		

CH CITY	CALL	TYPE	ANT STATE	AZI ---	DI ST FILE #	LAT LNG	PWR(KW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	Page # 2		
										IN	*OUT*	(Overlap in km)
215C1	1253223 Tahlequah	APP OK	DVX	135.9 316.5	136.47 BNPED20071018ASS	36 10 47.0 94 41 30.0	100.000 99	5.5 422	48.6 Cherokee	88.34 Nation	83.37	
215C3	KMLT Jay	APP OK	_EX	138.3 318.9	129.85 BMAPED20071019BD	36 11 23.0 94 47 14.0	12.000 110	3.5 434	35.1 Educational	83.59 Media	90.18 Foundati	
215C1	1210398 Bentonville	APP AR	DVX	122.2 302.9	130.99 BNPED20071015AHO	36 25 54.0 94 30 46.0	55.000 113	2.1 453	23.8 Way-fm	83.63 Media Group, Inc	102.31	
215C1	1211691 Gravette	APP AR	DEX	121.6 302.3	133.90 BNPED20071019APU	36 25 43.0 94 28 36.0	60.000 101	4.0 442	38.6 Bible Broadcasting	84.52 Network	90.36	
215C2	1210165 Cave Springs	APP AR	DEX	121.6 302.4	133.90 BNPED20071019AOH	36 25 42.0 94 28 37.0	32.500 113	2.4 455	26.7 Omni Center For Peace, Jus	86.05	102.25	
215C3	1215278 Gravette	APP AR	DCX	116.9 297.7	137.89 BNPED20071022ASM	36 29 52.0 94 22 34.0	25.000 60	2.9 399	29.8 Gentry Communications Netw	88.23	102.99	
220A	KNGM Emporia	LIC KS	_CN	344.5 164.3	154.97 BLED19870127KA	38 24 35.0 96 13 30.0	3.000 81	2.1 437	21.9 Great Plains Christian Rad	101.92	127.23	
215A	1215148 Ballard	APP OK	_CX	136.5 317.2	150.42 BNPED20071022ALU	36 04 44.2 94 35 50.8	1.500 38	2.0 425	23.2 Hispanic Family Christian	105.77	122.66	
217C1	KAKO Ada	LIC OK	DVX	207.7 27.0	229.92 BLED20060310AEC	35 13 36.0 96 55 42.0	100.000 135	76.1 445	50.3 American Family Associatio	108.35	106.61	
216C1	KCFN Wichita	LIC KS	_CN	306.9 125.9	179.01 BLED19890719KA	38 01 09.0 97 23 01.0	100.000 148	7.0 584	58.0 American Family Associatio	123.42	115.50	
219C2	KCVS Salina	LIC KS	NC_	316.8 135.6	246.48 BLED20001215AAI	38 39 58.0 97 41 30.0	11.500 228	68.8 643	46.5 Vcy America, Inc.	127.93	120.76	
219C2	KARG Poteau	LIC OK	_CN	156.2 336.9	241.34 BLED19980130KD	35 04 17.0 94 40 47.0	2.500 569	78.9 752	52.8 American Family Associatio	121.92	126.07	
218C2	KCMH Mountain Home	LIC AR	_V_	105.6 287.6	310.29 BLED20000911AAQ	36 16 17.0 92 25 20.0	26.000 144	126.5 354	49.3 Christian Broadcasting Gro	135.12	126.37	
271A	KEOK« Tahlequah	LIC OK	_CX	151.1 331.5	148.18 BLH20061117ABA	35 53 42.7 94 57 12.2	6.000 87	50.6 346	33.7 Payne 5 Communi cations, LI	21.5R	126.7M	
221A	KMOE« Butler	LIC MO	_CN	43.3 224.1	182.07 BLH19900814KB	38 14 56.0 94 19 18.0	4.700 45	2.2 298	22.1 Bates County Broadcasting	74.5R	107.6M	
217A	KANV Olsburg	LIC KS	_C_	335.5 154.8	238.77 BLED20030117ABS	39 00 55.0 96 53 55.0	6.000 100	43.2 462	27.9 The University Of Kansas	144.10	129.98	
271C0	KZSN« Hutchinson	LIC KS	_CX	297.5 116.5	174.71 BLH20060509ACH	37 46 40.0 97 30 37.0	100.000 313	50.6 733	33.7 Capstar Tx Limited Partner	36.5R	138.2M	
221C3	KKEG« Fayetteville	LIC AR	NCN	123.0 304.1	188.82 BLH19960202KA	36 07 38.0 93 59 23.0	7.600 162	3.6 562	37.2 Cumulus Li censing LI c	75.5R	113.3M	
219A	KCOZ Point Lookout	LIC MO	_CN	102.0 283.5	229.55 BLED19950126KA	36 36 39.0 93 14 23.0	0.200 57	13.7 361	9.8 College Of The Ozarks	166.03	143.54	
216A	KKRD Enid	LIC OK	_CN	249.2 67.9	203.97 BLED19870916KA	36 23 48.0 97 52 38.0	0.410 95	1.4 469	14.7 Educational Media Foundati	152.17	183.47	
216C2	KSMU Springfield	LIC MO	_CN	86.2 267.6	215.99 BLED19930610KC	37 10 14.0 93 19 25.0	40.000 125	5.3 503	47.6 Board Of Governors Of Mi ss	158.12	162.23	
215C1	KOKF Edmond	LIC OK	DCN	223.3 42.3	227.24 BLED19911002KA	35 33 59.0 97 28 28.0	100.000 133	7.4 481	59.9 Educational Media Foundati	169.52	161.58	
219C3	KCV0-FM Camdenton	LIC MO	_CN	67.2 249.0	284.94 BLED19930420KE	38 01 13.0 92 45 27.0	10.000 133	53.8 402	35.4 Lake Area Educational Broa	178.88	167.88	
216C0	1210969 Savanna	APP OK	DCX	170.5 350.7	236.83 BNPED20071022AQF	34 57 35.0 95 19 10.0	100.000 123	6.1 391	52.2 Russell Ministries, Inc	192.94	180.75	
220A	KBPB Harrison	LIC AR	ZC_	108.2 289.7	238.61 BLED20010503AAM	36 22 12.0 93 13 23.0	5.500 104	1.9 476	22.4 New Life Evangelistic Cent	188.93	210.93	
220A	KSDB-FM Manhattan	LIC KS	_CN	343.9 163.4	242.78 BLED19870504KA	39 09 49.0 96 31 54.0	1.400 88	1.6 447	15.5 Kansas State University	190.24	221.37	
215C0	KTBG Warrensburg	CP MO	DCX	35.5 216.6	270.97 BPED20070621AQF	39 02 13.6 93 55 48.2	90.000 355	10.4 607	74.1 The University Of Central	208.28	190.76	
220A	KBCW-FM Mcalester	LIC OK	_C_	178.9 359.0	230.64 BLED19990916AAO	34 59 13.0 95 42 10.0	0.700 136	1.5 339	20.1 The University Of Central	192.23	206.73	

CH CITY	CALL	TYPE STATE	ANT	AZI <--	DI ST FI LE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	Page # 3 *IN* (Overlap in km)		*OUT*
220A	KNLM Marshfi el d	LIC	NCX MO	82. 7 264. 4	248. 95 BLED20040423AAW	37 19 01. 0 92 57 51. 0	1. 750 76	1. 8 490	18. 9 New Li fe Evangel i stic Cent	194. 07		223. 88
216C2	1205931 Mcal ester	APP	_EX OK	178. 6 358. 6	241. 14 BNPED20071018ACW	34 53 33. 4 95 41 04. 0	26. 000 88	4. 3 299	41. 0 The Uni versi ty Of Oklaho ma	199. 90		196. 37
215A	1203847 Harri son	APP	_CX AR	112. 8 294. 3	247. 57 BNPED20071019AHJ	36 10 40. 0 93 12 40. 0	0. 028 206	0. 4 660	9. 5 Chri stian Broadca sting Gro	200. 15		232. 88
215C3	NEW Riley	CP	_CX KS	342. 1 161. 6	254. 58 BNPED20071019ARA	39 14 38. 0 96 39 30. 0	9. 100 93	3. 3 460	33. 8 Ufm Communi ty Learni ng Cen	200. 21		214. 90
216C1	1207805 Wil burton	APP	_CX OK	170. 9 351. 1	241. 38 BNPED20071018ATM	34 55 00. 6 95 19 46. 1	65. 000 58	2. 9 312	28. 4 Eastern Oklaho ma State Col	200. 73		209. 12
271A	KORA« Brookli ne	LIC	_CX MO	85. 1 266. 6	224. 66 BLH20020607AAT	37 12 39. 0 93 13 42. 0	4. 900 110	50. 6 505	33. 7 Mw Springmo, Inc.	21. 5R		203. 2M
220C3	KWJC Liberty	CP	DCX MO	27. 1 207. 9	257. 70 BMPED20070706ACM	39 07 23. 0 94 23 24. 0	7. 000 190	3. 3 440	33. 8 William Jewell Col lege	203. 60		218. 08
215C1	KTBG Warrensburg	LIC	_CN MO	38. 6 219. 8	267. 79 BLED19981112KB	38 55 54. 0 93 49 06. 0	97. 000 135	6. 8 383	56. 5 The Uni versi ty Of Central	208. 58		205. 19
272A	AL1947« Wheatl and	RSV	____ MO	62. 7 244. 1	227. 47 RMKS213	37 58 44. 0 93 26 49. 0	6. 000 100	50. 6 377	33. 7 21. 5R			206. 0M
272A	NEW« Wheatl and	CP	ZCX MO	64. 4 245. 8	228. 87 BNPH20060309ABD	37 55 54. 0 93 24 06. 0	4. 730 110	50. 6 391	33. 7 Marathon Medi a Group, L. I.	21. 5R		207. 4M
215A	1215778 Harri son	APP	_VX AR	110. 8 292. 4	257. 77 BNPED20071022AUA	36 12 45. 1 93 04 09. 4	4. 600 48	1. 6 419	14. 7 Kmzd Radi o, Inc	209. 02		237. 86
271C0	AL1945« Kansas Ci ty	RSV	____ MO	26. 0 206. 8	251. 24 RMKS213	39 05 26. 0 94 28 18. 0	100. 000 450	50. 6 710	33. 7 36. 5R			214. 7M
271C0	KCKC« Kansas Ci ty	LIC	_C_ MO	26. 0 206. 8	251. 24 BLH20010920AAG	39 05 26. 0 94 28 18. 0	100. 000 341	50. 6 601	33. 7 Wil ks Li cense Company-kans	36. 5R		214. 7M
220A	KWJC Liberty	LIC	_CN MO	25. 3 206. 1	269. 11 BLED19810824AA	39 14 52. 0 94 24 47. 0	0. 180 50	0. 9 313	11. 0 William Jewell Col lege	217. 56		252. 26

Terrain database is NGDC 30 SEC Distance + R = FCC Required Spacings in KM, Distance + M = Margin in KM
 ERP and HAAT are on direct line to and from reference station.
 Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
 "*"affixed to 'IN' or 'OUT' values = site inside protected contour.
 "«" = Station meets FCC minimum distance spacing for its class.

KARF.A

BPED20070907ABT

Latitude: 37-03-55 N

Longitude: 095-45-01 W

ERP: 100.00 kW

Channel: 218

Frequency: 91.5 MHz

AMSL Height: 348.0 m

Horiz. Pattern: Directional

Vert. Pattern: No

Prop Model: FCC Method

D.L. Markley & Associates, Inc.

60 dBu F(50,50) Service Contour

40 dBu F(50,10) Interference Contour

54 dBu F(50,10) Interference Contour

100 dBu F(50,10) Interference Contour

Exhibit E-3a

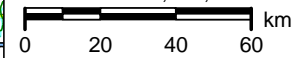
Allocation Study

KARF(FM) - Independence, Kansas

Community Broadcasting, Inc.

October, 2008

Scale 1:2,000,000



KARF.A

BPED20070907ABT

Latitude: 37-03-55 N

Longitude: 095-45-01 W

ERP: 100.00 kW

Channel: 218

Frequency: 91.5 MHz

AMSL Height: 348.0 m

Horiz. Pattern: Directional

Vert. Pattern: No

Prop Model: FCC Method

D.L. Markley & Associates, Inc.

60 dBu F(50,50) Service Contour

40 dBu F(50,10) Interference Contour

54 dBu F(50,10) Interference Contour

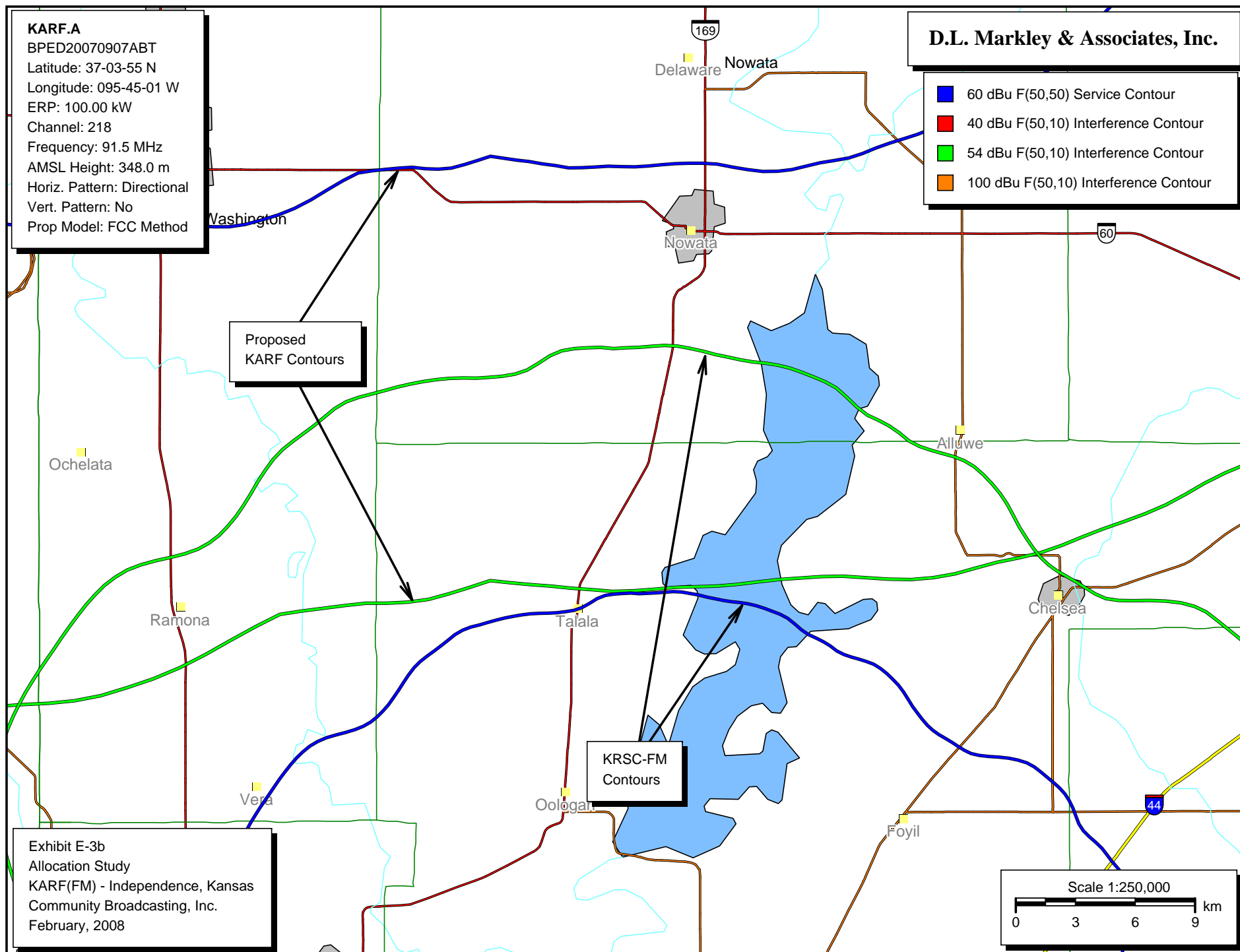
100 dBu F(50,10) Interference Contour

Proposed
KARF ContoursKRSC-FM
Contours

Exhibit E-3b
Allocation Study
KARF(FM) - Independence, Kansas
Community Broadcasting, Inc.
February, 2008

Scale 1:250,000

0 3 6 9 km



D.L. Markley & Associates, Inc.
Consulting Engineers
Exhibit E-4 - Spacing Study
KARF(FM) - Independence, Kansas

REFERENCE		DISPLAY DATES
37 03 55.0 N.	CLASS = C1	DATA 10-25-08
95 45 01.0 W.	Current Spacings	SEARCH 10-27-08
----- Channel 218 - 91.5 MHz -----		

Call	Channel	Location	Azi	Dist	FCC	Margin
KTBT	LIC 221C2	Broken Arrow	OK 193.4	108.91	78.5	30.41
KKCM	LIC 272C2	Sand Springs	OK 198.3	99.86	26.5	73.36
KMOE	LIC 221A	Butler	MO 43.3	182.06	74.5	107.56
KKEG	LIC-N 221C3	Fayetteville	AR 123.0	188.82	75.5	113.32
KEOK	LIC 271A	Tahlequah	OK 151.1	148.18	21.5	126.68
KZSN	LIC 271C0	Hutchinson	KS 297.5	174.71	36.5	138.21
KKOZ-FM	LIC 221A	Ava	MO 92.2	275.91	74.5	201.41
KQRA	LIC 271A	Brookline	MO 85.1	224.66	21.5	203.16
NEW.C	CP -Z 272A	Wheatland	MO 64.4	228.86	21.5	207.36
AL1945	RSV 271C0	Kansas City	MO 26.0	251.23	36.5	214.73
KCKC	LIC 271C0	Kansas City	MO 26.0	251.23	36.5	214.73

KARF.A

BPED20070907ABT

Latitude: 37-03-55 N

Longitude: 095-45-01 W

ERP: 2.50 kW

Channel: 218

Frequency: 91.5 MHz

AMSL Height: 348.0 m

Elevation: 245.0 m

Horiz. Pattern: Directional

Vert. Pattern: No

Prop Model: FCC Method

D.L. Markley & Associates, Inc.

■ KOTV F(50,50) Service Contours (See Labels)

■ Boundary of Predicted Interference Area

Interference Population: 2,381
Based on 2000 US Census

49

50

51

52

53

KARF.A

Dearing

Coffeyville

Exhibit E-5

Television Channel Six Interference Study

KARF(FM) - Independence, Kansas

Community Broadcasting, Inc.

February, 2008

Scale 1:100,000

0 1 2 3 km

Exhibit E-5 - Television Channel Six Interference Study
Polygon Population Report

Population Database: 2000 US Census (SF1)

Total Population: 2,381

Housing Units: 1,029

Polygon Area: 163.69 sq. km

Total Breakdown

White:	2,135
Black:	17
Hispanic:	26
Native American:	110
Asian:	17
Pacific Islander:	1
Mixed Race:	75
Other:	0

	Housing Units	Population
Kansas		
Montgomery County		
Total	17,207	36,252
Polygon	1,029	2,381

KARF.A

BPED20070907ABT

Latitude: 37-03-55 N

Longitude: 095-45-01 W

ERP: 100.00 kW

Channel: 218

Frequency: 91.5 MHz

AMSL Height: 351.0 m

Elevation: 245.0 m

Horiz. Pattern: Directional

Vert. Pattern: No

Prop Model: FCC Method

D.L. Markley & Associates, Inc.320 km radius centered
on KARF(FM) site

KARF.A

Exhibit E-6

International Agreement Compliance

KARF(FM) - Independence, Kansas

Community Broadcasting, Inc.

October, 2008

Scale 1:9,000,000

0 120 240 360 km