Comprehensive Technical Exhibit

Application for Modification of Construction Permit KRKR(FM) – Valley, Nebraska FM Channel 235A – 94.9 MHz
Chapin Enterprises, LLC
June, 2008

Application for Modification of Construction Permit

The following engineering statement and attached exhibits have been prepared for **Chapin** Enterprises, LLC ("Chapin"), licensee of FM broadcast station KRKR(FM) at Valley, Nebraska. and are in support of their application for modification of construction permit.¹

Chapin currently holds a construction permit for KRKR(FM) under FCC File Number BPH-20070419ADV. Under that construction permit, the city of license for KRKR(FM) was changed from Lincoln, Nebraska to Valley, Nebraska. In addition, the channel of operation and station class of KRKR(FM) were changed from 236C2 to 235A. This construction permit also authorized a change in the transmitter site utilized by KRKR(FM).

Subsequent to the submission of the referenced construction permit application, Chapin determined that the use of the proposed site was no longer feasible due to structural considerations. As a result, this application seeks to modify the outstanding construction permit by specifying a different site location. Since this site location would comply with Section 73.215 but not Section 73.207 of the Commission's Rules, the proposed facility would employ a directional antenna to provide requisite contour protection. Although no change in the channel, class, or maximum effective radiated power is proposed, the change in the transmitter location will result in different geographic coordinates and height parameters for the facility.

As indicated on the form pages, the proposed KRKR facility would operate from a site located at geographic coordinates of 41-18-07 North Latitude and 96-18-44 West Longitude.² At this location is a tower registered with the Commission bearing ASR Number 1026223. The agent

¹ The facility ID for KRKR(FM) is 54707. ² Coordinates specified in NAD27 datum.

for the tower, American Tower Corporation has been contacted about utilizing the tower, and has provided the applicant with reasonable assurance that the site is available for the proposed use.

The installation of the proposed facility at the registered tower would not result in the necessity of any modifications or changes to the height or location of the registered structure. The proposed facility would operate with a maximum effective radiated power of 6 kW at a center of radiation at 100.0 meters above average terrain.³ Terrain values were obtained through sampling of a standard 30 second linearly interpolated terrain database.

As previously mentioned a directional antenna would be utilized to provide requisite contour protection to facilities with which Section 73.207 spacings are not fully met. The proposed directional pattern envelope has been tabulated under the appropriate section on the form pages. This proposed envelope is in compliance with Section 73.316(b) as the front-to-back ratio of the antenna does not exceed 15 dB and the slope of the relative field change does not exceed 2 dB per 10 degrees of azimuth.⁴

The proposed facility would be in compliance with the provisions of Section 73.203 of the Commission's Rules. Under BPH-20070419ADV, a change in the KRKR(FM) allocation was made from channel 236C2 at Lincoln, Nebraska to channel 235A at Valley, Nebraska.⁵ This application proposes no changes in the channel or class of operation.

The proposed site location would comply fully with the community coverage provisions of Section 73.315 of the Commission's Rules. Exhibit E-1 contains a computer generated contour

³ Center of radiation located at 459.9 meters AMSL or 115.5 meters AGL.

⁴ Actual maximum to minimum ratio is 5.43 dB.

⁵ See special operating condition or restriction #1 on BPH-20070419ADV.

map illustrating the predicted 70 dBu and 60 dBu service contours. As this map demonstrates, the proposed 70 dBu service contour would totally encompass the community of license. The area within each contour along with the population totals as determined by applying the centroid method to the 2000 Census data are indicated on the Exhibit E-1 map.

The main studio for the proposed facility will comply with the provision of Section 73.1125 of the Commission's Rules. Although the final location for the main studio has not yet been determined, it will be located either within the predicted 70 dBu service contour or within twenty-five miles of the reference coordinates of Valley, Nebraska. The actual physical location of the main studio will be provided on FCC Form 302-FM as part of the submission for license following facility construction.

The proposed facility would comply with applicable interference provisions of the Commission's Rules. In this particular instance, Sections 73.207 and 73.215 are applicable to the proposed facility. Sections 73.213(a)-(c) are not applicable to the proposed KRKR(FM) facility.

Exhibit E-2 provides a single channel spacing study for the proposed facility. As this study demonstrates, the proposed facility would comply with all IF related spacing requirements. In addition, spacing requirements under Section 73.207 would be met to all facilities with the exception of KNEN(FM) at Norfolk, Nebraska.⁶ Although the minimum spacings under Section 73.207 to KNEN(FM) would not be met, the proposed facility would comply with the Section 73.215 minimum spacings. Authorization pursuant to that section is therefore requested.

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⁶ The facility ID for KNEN(FM) is 9954.

The contour based allocation situation relative to KNEN(FM) is depicted in Exhibits E-3a and E-3b. Under BLH-20060420ABO, KNEN(FM) is specified as operating with an effective radiated power of 100 kW at a center of radiation of 164.2 meters above average terrain. Since that facility is not authorized pursuant to Section 73.215, the center of radiation has been increased to 299 meters above average terrain pursuant to Section 73.215 for analysis. These two maps demonstrate that the proposed facility would not have prohibited contour overlap with KNEN(FM). Exhibit E-4 provides a tabular based allocation study and also demonstrates that prohibited contour overlap with KNEN(FM) would not exist.

The proposed facility is excluded from environmental processing under Section 1.1306 of the Commission's Rules. This exclusion is based on the fact that the proposed facility would be located on an existing structure for which no additional environmental impact would result. In addition, the proposed facility would not constitute an RF exposure hazard to persons at the site.

Based on the Commission's FM Model software package and the presumed use of a 3-bay full wave spaced roto-tiller style antenna, the predicted maximum power density at ground level is 3.26 μW/cm² at 58 meters from the tower base. Since this power density, is less than the upper limit of 200 mW/cm² permissible under the uncontrolled environment condition of the applicable safety standard, it is evident that the proposed facility would not constitute an RF exposure hazard. No other broadcast facilities utilize the tower, however, the applicant will coordinate with other present and future users of the site to ensure that workers are not exposed to levels of non-

⁷ KNEN(FM) center of radiation at 299 meters above average terrain corresponds to 817.4 meters AMSL as determined from BLH-20060420ABO data.

ionizing radiation hazard which may exceed the applicable standards. Such coordination will include, but is not necessarily limited to, a reduction in power or cessation of operation.

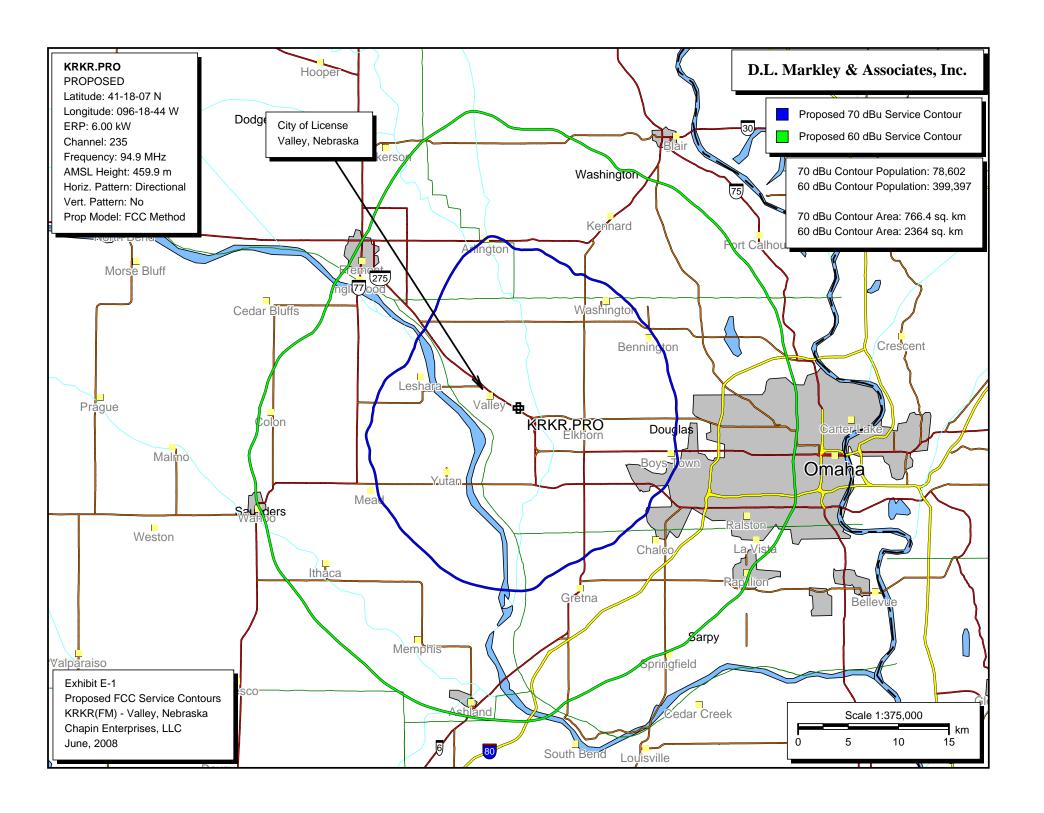
This application does not propose a change in the community of license. As previously discussed, this application is to modify an existing construction permit with no change in the community of license, channel of operation, or class of operation.

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.

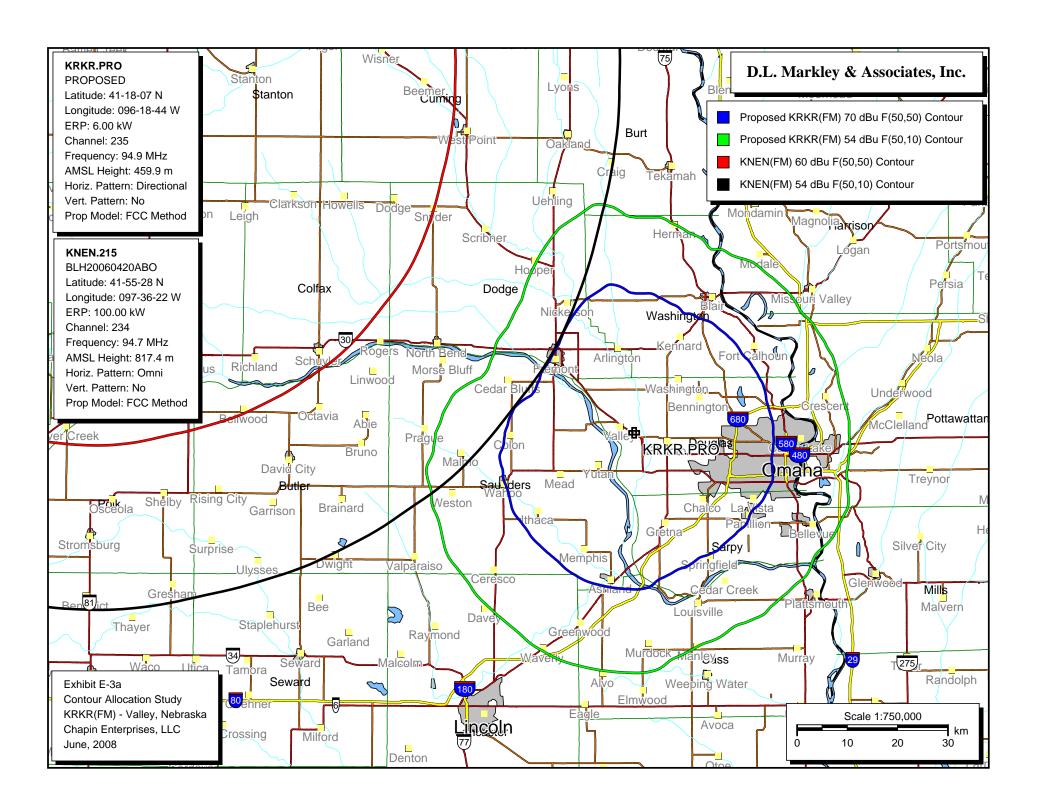
Above signature is digitized copy of actual signature
License Expires November 30, 2009

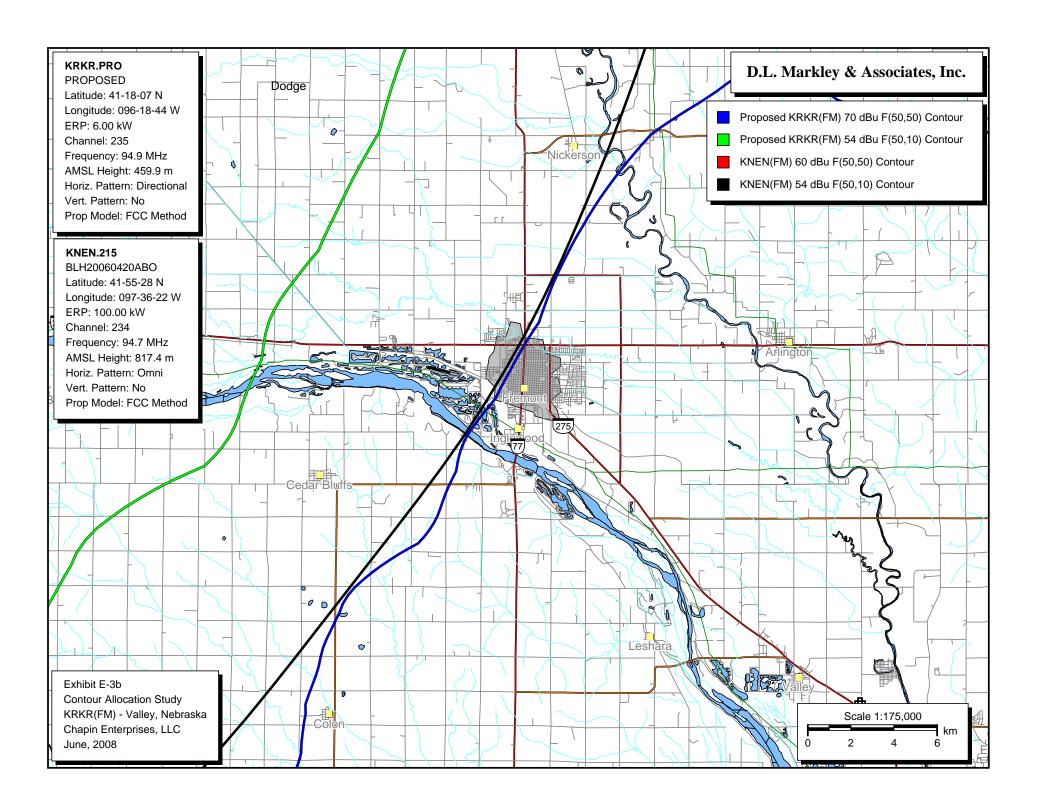
Jeremy D. Ruck, PE June 11, 2008



D.L. Markley & Associates, Inc. Consulting Engineers Exhibit E-2 - Single Channel Spacing Study KRKR(FM) - Valley, Nebraska

Call	Chanı	nel	Location		Azi	Dist	FCC	Margin
KRKR.C	CP	235A	Valley	NE	110.8	10.55	114.5	-103.95
KRKR	LIC	236C2	Lincoln	NE	222.1	48.09	105.5	-57.41
KNEN	LIC	234C1	Norfolk	NE	303.2	128.10	132.5	-4.40
KCSI.C	CP	237C3	Treynor	IA	96.7	52.32	41.5	10.82
KFMT-FM	LIC	288A	Fremont	NE	303.6	21.98	9.5	12.48
KGGO	LIC	235C	Des Moines	IA	80.3	241.35	225.5	15.85
RDEL	DEL	235C	Des Moines	IA	80.3	241.35	225.5	15.85
RADD	ADD	235C0	Des Moines	IA	80.3	241.35	214.5	26.85
KCKS.A	APP-N	235C1	Concordia	KS	210.2	237.97	199.5	38.47
KCKS	LIC-N	235C1	Concordia	KS	210.1	238.30	199.5	38.80
KCSI	LIC	237C3	Red Oak	IA	107.9	98.12	41.5	56.62
KGLI	LIC	238C1	Sioux City	IA	0.3	134.70	74.5	60.20
KCMO-FM	LIC	235C0	Kansas City	MO	147.0	291.29	214.5	76.79
KCMO-FM.C	CP	235C0	Shawnee	KS	147.0	291.29	214.5	76.79
KSUX	LIC-N	289C2	Winnebago	NE	351.6	116.85	14.5	102.35
KNDY-FM	LIC	238C3	Marysville	KS	193.6	153.24	41.5	111.74
AL7169	VAC	232C2	Hartington	NE	329.6	175.81	54.5	121.31
KWOA-FM	LIC	236C1	Worthington	MN	11.2	263.85	132.5	131.35
KKEZ	LIC	233C1	Fort Dodge	IA	52.0	219.14	74.5	144.64
KLIQ	LIC-N	233C1	Hastings	NE	250.7	226.50	74.5	152.00
KAAN-FM	LIC	238C2	Bethany	MO	121.9	215.87	54.5	161.37
WIBW-FM.C	CP	233C0	Topeka	KS	172.3	254.93	85.5	169.43
WIBW-FM	LIC	233C0	Topeka	KS	174.9	255.90	85.5	170.40
KKJO-FM	LIC	288C1	St. Joseph	MO	148.4	206.98	21.5	185.48
KDLS-FM	LIC	288A	Perry	IA	71.9	198.79	9.5	189.29
KDLS-FM.C	CP -Z	288C3	Perry	IA	76.2	210.02	11.5	198.52
KHCA	LIC	237A	Wamego	KS	180.8	232.33	30.5	201.83
KCFS.C	CP	233A	Sioux Falls	SD	352.1	250.21	30.5	219.71
KCFS	LIC	233A	Sioux Falls	SD	352.1	250.24	30.5	219.74





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

DISPLAY DATES

Exhibit E-4 - Tabular Allocation Study
KRKR(FM) - Valley, Nebraska
CH# 235A - 94.9 MHz, Pwr= 6 kW, HAAT= 100.0 M, COR= 459.9 M

REFERENCE

41 18 07.0 N. 96 18 44.0 W.			Average Prote	ected F(50-50))= 28. 29 k		DATA 06-11-08 SEARCH 06-11-08
	TYPE ANT STATE	AZI <	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km)	PRO(km) *IN* *OUT* LICENSEE (Overlap in km)
235A KRKR	CP _CX	110. 8	10. 55	41 16 06.0	6. 000	50. 6	33.7 91.5R -80.9M
Valley	NE	290. 8	BPH20070419ADV	96 11 39.9	100	457	Chapin Enterprises, LIc
236C2 KRKR	LIC _CN	222. 1	48. 10	40 58 49.0	50. 000	50. 6	33.7 88.5R -40.4M
Li ncol n	NE	41. 8	BLH19880609KA	96 41 45.0	87	469	Chapin Enterprises, LIc
234C1 KNEN^	LIC _CX	303. 2	128. 11	41 55 28.0	100. 000	106. 0	73.1 0.19 22.44
Norfolk	NE	122. 3	BLH20060420AB0	97 36 22.0	299	817	Red Beacon Communications,
237C3 KCSI«	CP _CX	96. 7	52. 32	41 14 43.0	22. 500	4. 4	42.0 41.5R 10.8M
Treynor		277. 1	BPH20070419ADT	95 41 32.2	105	451	Hawkeye Communications, In
288A KFMT-FM«	LIC _CN	303. 6	21. 99	41 24 40.0	1. 200	50. 6	33.7 9.5R 12.5M
Fremont	NE	123. 5	BLH19800416AB	96 31 53.0	137	516	Nrg License Sub, LIc
237C3 KCSI«	LIC _CN	107. 9	98. 12	41 01 35.0	20. 500	4. 3	41.6 41.5R 56.6M
Red Oak	IA	288. 6	BLH19970625KB	95 12 05.0	111	463	Hawkeye Communications, In
238C1 KGLI«	LIC _CN	0. 3	134.70	42 30 53.0	100. 000	10. 0	71.9 74.5R 60.2M
Sioux City	IA	180. 3	BMLH19891211KC	96 18 13.0	274	646	Amfm Radio Licenses, L.I.c
289C2 KSUX«	LIC NCN	351. 6	116. 86	42 20 33.0	50. 000	50. 6	33.7 14.5R 102.4M
Wi nnebago	NE	171. 5	BLH19910327KA	96 31 13.0	141	516	Ksux/kscj Radio Broadcasti
238C3 KNDY-FM«	LIC _CX	193. 6	153. 24	39 57 36.0	25. 000	4. 0	39.0 41.5R 111.7M
Marysville	KS	13. 3	BLH20020918AAC	96 44 05.0	100	498	Dierking Communications, I
232C2 AL7169«	VAC	329. 6	175.81	42 39 40.0	50. 000	5. 7	50.4 54.5R 121.3M
Hartington	NE	148. 9	RM*dd007	97 23 58.0	150	612	Pierce Radio, L.I.c
233C1 KLIQ«	LIC NC_	250. 7	226. 51	40 36 08.0	100. 000	10. 1	72.2 74.5R 152.0M
Hastings	NE	69. 0	BMLH20020430AAK	98 50 21.0	289	925	Platte River Radio, Inc.
233C1 KKEZ«	LIC _CN	52. 0	219. 15	42 29 43.0	100. 000	7. 8	61.8 74.5R 144.6M
Fort Dodge	IA	233. 4	BLH7723	94 12 33.0	183	521	Three Eagles Of Lincoln, I
238C2 KAAN-FM«	LIC _CN	121. 9	215. 87	40 15 23.0	50. 000	4. 8	44.0 54.5R 161.4M Cameron/ Bethany License C
Bethany	MO	303. 3	BLH19890313KD	94 09 23.0	108	396	
288C1 KKJO-FM«	LIC _CN	148. 4	206. 99	39 42 35.0	100. 000	50. 6	33.7 21.5R 185.5M Eagle Communications, Inc.
St. Joseph	MO	329. 2	BLH20000509AAQ	95 02 33.0	299	588	
288A KDLS-FM«	LIC _CN	71. 9	198. 80	41 50 03.0	6. 000	50. 6	33.7 9.5R 189.3M
Perry	IA	253. 4	BLH19950727KG	94 02 12.0	93	393	Perry Broadcasting Company
288C3 KDLS-FM«	CP ZCX	76. 2	210. 02	41 43 35.0	10. 000	50. 6	33.7 11.5R 198.5M
Perry	IA	257. 8	BPH20040721AME	93 51 38.0	157	449	Perry Broadcasting Company
237A KHCA«	LIC _CN	180. 8	232. 34	39 12 35.0	6. 000	2. 7	27.8 30.5R 201.8M Khca, Inc.
Wamego	KS	0. 8	BLH19860425KC	96 21 05.0	99	426	

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.

^ = Power and antenna height 'Max classed' as per Sec 73.215 protection requirements