

MODIFY BLH-19960111KW
TOWNSQUARE MEDIA FARIBAULT LICENSE LLC
KRFO-FM RADIO STATION
CH 285A - 104.9 MHZ - 4.7 KW
OWATONNA, MINNESOTA
November 2013

EXHIBIT B1

KRFO-FM Corrected Coordinates Spacing Study

REFERENCE									
44 04 29.0 N.				CLASS = A				DISPLAY DATES	
93 10 46.0 W.				Current Spacings to 3rd Adj.				DATA 11-25-13	
----- Channel 285 - 104.9 MHz -----									
Call	Channel	Location			Azi	Dist	FCC	Margin	
Lat.	Lng.	Ant	Power		HAAT				

KRFO-FM	LIC-N 285A	Owatonna	MN	0.0	0.00	115.0	-115.0		
44 04 29.0	93 10 46.0	NCN	4.700 kW	53 M					
		Townsquare Media Faribault	BMLH19960111KW						
WGVS	LIC-N 286A	Lakeville	MN	1.9	69.67	72.0	-2.3		
44 42 05.0	93 09 02.0	NCN	2.600 kW	152 M					
		Radio License Holding Iii,	BLH19960507KA						
KYBA	LIC 287C2	Stewartville	MN	139.0	59.05	55.0	4.1		
43 40 23.0	92 41 54.0	CN	50.000 kW	150 M					
		Townsquare Media Rochester	BLH19930205KD						
KJLY	LIC 283C2	Blue Earth	MN	255.7	72.37	55.0	17.4		
43 54 38.0	94 03 09.0	CX	50.000 kW	150 M					
		Minn-iowa Christian Broadc	BMLE20091008ABL						
KVGO	LIC 282C3	Spring Valley	MN	138.1	64.84	42.0	22.8		
43 38 23.0	92 38 30.0	C	10.000 kW	156 M					
		Townsquare Media Rochester	BLH19981125KF						
KLMJ	LIC 285A	Hampton	IA	180.3	138.16	115.0	23.2		
42 49 52.0	93 11 20.0	CX	6.000 kW	93 M					
		Cd Broadcasting, Inc.	BLH20030611AAD						
KLMJ	CP 285A	Hampton	IA	180.3	138.16	115.0	23.2		
42 49 52.0	93 11 20.0	CX	4.700 kW	113 M					
		Cd Broadcasting, Inc.	BPH20130104AAK						
KRBI-FM	LIC-N 288C3	St. Peter	MN	279.3	69.70	42.0	27.7		
44 10 20.0	94 02 23.0	NCX	25.000 kW	68 M					
		Three Eagles Communication	BLH20100614AQT						
KCLD-FM	LIC 284C	St. Cloud	MN	328.1	196.53	165.0	31.5		
45 34 03.0	94 30 43.0	CN	100.000 kW	300 M					
		Leighton Enterprises, Inc.	BLH19910913KB						
WLMX-FM	LIC 285C3	Balsam Lake	WI	26.0	175.69	142.0	33.7		
45 29 27.0	92 11 32.0	CN	22.000 kW	106 M					
		Red Rock Radio Corp.	BLH19970224KB						

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EXHIBIT B2

KRFO-FM Licensed Coordinates Spacing Study

REFERENCE									
44 04 29.0 N.				CLASS = A			DISPLAY DATES		
93 10 46.0 W.				Current	Spacings to 3rd Adj.		DATA	11-25-13	
----- Channel 285 - 104.9 MHz -----									
Call	Channel	Location			Azi .	Dist	FCC	Margin	
Lat.	Lng.	Ant	Power		HAAT				

KRFO-FM	LIC-N 285A	Owatonna	MN	0.0		0.00	115.0	-115.0	
44 04 29.0	93 10 46.0	NCN	4.700 kW	53 M					
Townsquare Media Faribault				BMLH19960111KW					
WGVS	LIC-N 286A	Lakeville	MN	1.9		69.67	72.0	-2.3	
44 42 05.0	93 09 02.0	NCN	2.600 kW	152 M					
Radio License Holding Iii,				BLH19960507KA					
KYBA	LIC 287C2	Stewartville	MN	139.0		59.05	55.0	4.1	
43 40 23.0	92 41 54.0	CN	50.000 kW	150 M					
Townsquare Media Rochester				BLH19930205KD					
KJLY	LIC 283C2	Blue Earth	MN	255.7		72.37	55.0	17.4	
43 54 38.0	94 03 09.0	CX	50.000 kW	150 M					
Minn-iowa Christian Broadc				BMLED20091008ABL					
KVGO	LIC 282C3	Spring Valley	MN	138.1		64.84	42.0	22.8	
43 38 23.0	92 38 30.0	C	10.000 kW	156 M					
Townsquare Media Rochester				BLH19981125KF					
KLMJ	LIC 285A	Hampton	IA	180.3		138.16	115.0	23.2	
42 49 52.0	93 11 20.0	CX	6.000 kW	93 M					
Cd Broadcasting, Inc.				BLH20030611AAD					
KLMJ	CP 285A	Hampton	IA	180.3		138.16	115.0	23.2	
42 49 52.0	93 11 20.0	CX	4.700 kW	113 M					
Cd Broadcasting, Inc.				BPH20130104AAK					
KRBI-FM	LIC-N 288C3	St. Peter	MN	279.3		69.70	42.0	27.7	
44 10 20.0	94 02 23.0	NCX	25.000 kW	68 M					
Three Eagles Communication				BLH20100614AQT					
KCLD-FM	LIC 284C	St. Cloud	MN	328.1		196.53	165.0	31.5	
45 34 03.0	94 30 43.0	CN	100.000 kW	300 M					
Leighton Enterprises, Inc.				BLH19910913KB					
WLMX-FM	LIC 285C3	Balsam Lake	WI	26.0		175.69	142.0	33.7	
45 29 27.0	92 11 32.0	CN	22.000 kW	106 M					
Red Rock Radio Corp.				BLH19970224KB					

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November 2013

EXHIBIT B3

KRFO-FM Corrected Coordinates Contour Protection Study

REFERENCE		CH# 285A - 104.9 MHz, Pwr= 4.7 kW, HAAT= 53.3 M, COR= 424.1 M						DISPLAY DATES			
44 04 29.0 N.		Average Protected F(50-50)= 20.4 km						DATA 11-25-13			
93 10 46.0 W.		73.215 Omni-directional						SEARCH 11-25-13			
CH CITY	CALL	TYPE STATE	ANT	AZI. <--	DIST FILE #	LAT. LNG.	Pwr (kW) HAAT (M)	INT (km) COR (M)	PRO (km) LICENSEE	*IN* (Overlap in km)	*OUT*
285A Owatonna	KRFO-FM	LIC NCN MN		0.0 0.0	0.00 BMLH19960111KW	44 04 29.0 93 10 46.0	4.700 53	73.5 424	20.4 Townsquare Media Faribault	-94.0*	-94.0*
287C2 Stewartville	KYBA«	LIC CN MN		139.0 319.4	59.05 BLH19930205KD	43 40 23.0 92 41 54.0	50.000 150	5.8 561	51.1 Townsquare Media Rochester	55.0R	4.1M
286A Lakeville	WGVX	LIC NCN MN		1.9 181.9	69.71 BLH19960507KA	44 42 05.0 93 09 02.0	2.600 152	42.4 440	28.0 Radio License Holding Iii,	7.1	12.1
283C2 Blue Earth	KJLY«	LIC CX MN		255.7 75.0	72.37 BMLED20091008ABL	43 54 38.0 94 03 09.0	50.000 150	5.9 461	52.1 Minn-iowa Christian Broadc	55.0R	17.4M
282C3 Spring Valley	KVGO«	LIC C MN		138.1 318.5	64.84 BLH19981125KF	43 38 23.0 92 38 30.0	10.000 156	3.7 569	37.4 Townsquare Media Rochester	42.0R	22.8M
285A Hampton	KLMJ«	LIC CX IA		180.3 0.3	138.16 BLH20030611AAD	42 49 52.0 93 11 20.0	6.000 93	86.8 431	28.4 Cd Broadcasting, Inc.	115.0R	23.2M
285A Hampton	KLMJ«	CP CX IA		180.3 0.3	138.16 BPH20130104AAK	42 49 52.0 93 11 20.0	4.700 113	87.0 456	29.6 Cd Broadcasting, Inc.	115.0R	23.2M
288C3 St. Peter	KRBI-FM«	LIC NCX MN		279.3 98.7	69.70 BLH20100614AQT	44 10 20.0 94 02 23.0	25.000 68	3.0 354	28.9 Three Eagles Communication	42.0R	27.7M
284C St. Cloud	KCLD-FM«	LIC CN MN		328.1 147.2	196.53 BLH19910913KB	45 34 03.0 94 30 43.0	100.000 300	104.4 658	71.9 Leighton Enterprises, Inc.	165.0R	31.5M
285C3 Balsam Lake	WLMX-FM«	LIC CN WI		26.0 206.7	175.69 BLH19970224KB	45 29 27.0 92 11 32.0	22.000 106	113.4 479	40.5 Red Rock Radio Corp.	142.0R	33.7M
285C3 Spencer	KLLT«	LIC CN IA		241.7 60.3	180.90 BLH19970508KE	43 17 13.0 95 08 34.0	25.000 85	109.8 521	35.1 Saga Communications Of Iow	142.0R	38.9M
285A La Crosse	WLXR-FM«	LIC NC WI		103.9 285.2	156.80 BLH20091223AMA	43 43 17.0 91 17 24.0	0.800 201	71.2 466	23.8 Mississippi Valley Broadca	115.0R	41.8M

Terrain database is NED 03 SEC, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM
Contour distances are on direct line to and from reference station. Reference Zone= - Zone 2, Co to 3rd adjacent.
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.
< = Contour Overlap

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November 2013

EXHIBIT B4

KRFO-FM - Corrected Coordinates
Channel = 285A
Max ERP = 4.7 kW
RCAMSL = 424.1 M
N. Lat. 44 04 29.0
W. Lng. 93 10 46.0

WGVX - BLH-19960507KA
Channel = 286A
Max ERP = 2.6 kW
RCAMSL = 440 M
N. Lat. 44 42 05.0
W. Lng. 93 09 02.0

Protected
60 dBu

Interfering
54 dBu

NED 03 Second Terrain Database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
339.0	004.7000	0070.2	022.7	192.2	002.6000	0149.6	049.6	51.01
340.0	004.7000	0070.7	022.8	191.8	002.6000	0149.6	049.3	51.11
341.0	004.7000	0072.5	023.0	191.6	002.6000	0149.4	048.9	51.27
342.0	004.7000	0071.6	022.9	191.1	002.6000	0149.3	048.8	51.30
343.0	004.7000	0070.6	022.8	190.6	002.6000	0149.3	048.7	51.32
344.0	004.7000	0068.5	022.5	190.0	002.6000	0149.5	048.8	51.30
345.0	004.7000	0067.9	022.4	189.6	002.6000	0150.0	048.7	51.36
346.0	004.7000	0066.4	022.1	189.0	002.6000	0150.3	048.8	51.35
347.0	004.7000	0064.5	021.9	188.5	002.6000	0150.5	048.9	51.32
348.0	004.7000	0064.6	021.9	188.1	002.6000	0150.6	048.8	51.38
349.0	004.7000	0064.7	021.9	187.7	002.6000	0150.4	048.6	51.43
350.0	004.7000	0063.2	021.7	187.2	002.6000	0150.4	048.7	51.39
351.0	004.7000	0062.2	021.5	186.7	002.6000	0150.3	048.7	51.37
352.0	004.7000	0060.7	021.3	186.2	002.6000	0150.4	048.9	51.33
353.0	004.7000	0060.5	021.3	185.8	002.6000	0150.8	048.8	51.37
354.0	004.7000	0059.6	021.1	185.3	002.6000	0150.7	048.9	51.34
355.0	004.7000	0058.9	021.0	184.8	002.6000	0150.4	048.9	51.32
356.0	004.7000	0058.1	020.9	184.4	002.6000	0150.5	049.0	51.29
357.0	004.7000	0057.2	020.7	184.0	002.6000	0150.7	049.1	51.26
358.0	004.7000	0056.6	020.6	183.5	002.6000	0151.0	049.1	51.25
359.0	004.7000	0055.7	020.5	183.1	002.6000	0151.1	049.3	51.21
000.0	004.7000	0055.6	020.5	182.7	002.6000	0151.0	049.3	51.20
001.0	004.7000	0054.5	020.3	182.3	002.6000	0150.8	049.5	51.12
002.0	004.7000	0053.9	020.1	181.8	002.6000	0150.5	049.6	51.07
003.0	004.7000	0053.3	020.0	181.4	002.6000	0150.6	049.7	51.02
004.0	004.7000	0052.7	019.9	181.0	002.6000	0150.9	049.8	50.98
005.0	004.7000	0051.7	019.7	180.7	002.6000	0151.0	050.0	50.91
006.0	004.7000	0051.1	019.6	180.3	002.6000	0151.3	050.2	50.87
007.0	004.7000	0051.3	019.6	179.9	002.6000	0151.7	050.2	50.89
008.0	004.7000	0051.5	019.7	179.5	002.6000	0151.9	050.2	50.90
009.0	004.7000	0050.7	019.5	179.1	002.6000	0152.0	050.4	50.82
010.0	004.7000	0049.8	019.3	178.8	002.6000	0152.2	050.6	50.73
011.0	004.7000	0049.3	019.2	178.5	002.6000	0152.3	050.8	50.67
012.0	004.7000	0048.9	019.1	178.1	002.6000	0152.3	051.0	50.60
013.0	004.7000	0048.4	019.0	177.8	002.6000	0152.2	051.2	50.53
014.0	004.7000	0047.6	018.9	177.5	002.6000	0152.2	051.4	50.43
015.0	004.7000	0046.8	018.7	177.2	002.6000	0152.2	051.7	50.33
016.0	004.7000	0046.5	018.6	176.9	002.6000	0152.3	051.8	50.27
017.0	004.7000	0046.5	018.6	176.5	002.6000	0152.5	052.0	50.24

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November 2013

EXHIBIT B5

WGVX - BLH-19960507KA
Channel = 286A
Max ERP = 2.6 kW
RCAMSL = 440 M
N. Lat. 44 42 05.0
W. Lng. 93 09 02.0

KRFO-FM - Corrected Coordinates
Channel = 285A
Max ERP = 4.7 kW
RCAMSL = 424.1 M
N. Lat. 44 04 29.0
W. Lng. 93 10 46.0

Protected
60 dBu

Interfering
54 dBu

NED 03 Second Terrain Database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
163.0	002.6000	0158.3	028.7	014.2	004.7000	0047.5	043.6	47.34
164.0	002.6000	0158.7	028.7	013.6	004.7000	0047.9	043.3	47.51
165.0	002.6000	0158.9	028.7	013.1	004.7000	0048.3	043.1	47.66
166.0	002.6000	0158.9	028.7	012.5	004.7000	0048.6	042.8	47.77
167.0	002.6000	0158.7	028.7	011.8	004.7000	0049.1	042.6	47.93
168.0	002.6000	0158.1	028.6	011.2	004.7000	0049.4	042.5	48.02
169.0	002.6000	0157.4	028.6	010.5	004.7000	0049.4	042.3	48.07
170.0	002.6000	0156.5	028.5	009.9	004.7000	0049.9	042.2	48.19
171.0	002.6000	0156.2	028.5	009.2	004.7000	0050.6	042.1	48.34
172.0	002.6000	0155.4	028.4	008.6	004.7000	0051.1	042.0	48.44
173.0	002.6000	0154.4	028.3	007.9	004.7000	0051.6	041.9	48.55
174.0	002.6000	0153.7	028.3	007.2	004.7000	0051.4	041.9	48.54
175.0	002.6000	0153.4	028.3	006.5	004.7000	0051.3	041.8	48.55
176.0	002.6000	0152.9	028.2	005.9	004.7000	0051.2	041.7	48.55
177.0	002.6000	0152.2	028.1	005.2	004.7000	0051.5	041.7	48.60
178.0	002.6000	0152.2	028.2	004.5	004.7000	0052.3	041.7	48.74
179.0	002.6000	0152.1	028.1	003.8	004.7000	0052.7	041.6	48.81
180.0	002.6000	0151.6	028.1	003.2	004.7000	0053.2	041.6	48.89
181.0	002.6000	0150.9	028.0	002.5	004.7000	0053.6	041.7	48.92
182.0	002.6000	0150.6	028.0	001.8	004.7000	0054.0	041.7	48.98
183.0	002.6000	0151.1	028.1	001.1	004.7000	0054.3	041.7	49.04
184.0	002.6000	0150.7	028.0	000.5	004.7000	0055.3	041.7	49.15
185.0	002.6000	0150.5	028.0	359.8	004.7000	0055.6	041.8	49.17
186.0	002.6000	0150.7	028.0	359.1	004.7000	0055.6	041.8	49.17
187.0	002.6000	0150.4	028.0	358.5	004.7000	0056.2	041.9	49.21
188.0	002.6000	0150.6	028.0	357.8	004.7000	0056.7	042.0	49.26
189.0	002.6000	0150.3	028.0	357.2	004.7000	0057.2	042.1	49.27
190.0	002.6000	0149.5	027.9	356.5	004.7000	0057.4	042.2	49.24
191.0	002.6000	0149.3	027.9	355.9	004.7000	0058.2	042.4	49.29
192.0	002.6000	0149.7	027.9	355.3	004.7000	0058.7	042.5	49.32
193.0	002.6000	0149.3	027.9	354.6	004.7000	0059.3	042.7	49.32
194.0	002.6000	0149.4	027.9	354.0	004.7000	0059.6	042.8	49.31
195.0	002.6000	0150.6	028.0	353.4	004.7000	0060.1	042.9	49.34
196.0	002.6000	0151.4	028.1	352.7	004.7000	0060.6	043.0	49.35
197.0	002.6000	0151.5	028.1	352.1	004.7000	0060.6	043.2	49.28
198.0	002.6000	0151.7	028.1	351.5	004.7000	0061.2	043.4	49.28
199.0	002.6000	0153.3	028.2	350.9	004.7000	0062.3	043.5	49.37
200.0	002.6000	0152.8	028.2	350.3	004.7000	0063.1	043.8	49.35