



OWL ENGINEERING & EMC TEST LABS, INC.

CONSULTING COMMUNICATIONS ENGINEERS • EMC TEST LABORATORIES

**5844 Hamline Avenue North, Shoreview, MN 55126
651-784-7445 • Fax 651-784-7541**

**ENGINEERING STUDY ON BEHALF OF
SPRINGFIELD RADIO
MARKET ANALYSIS**

May 22, 2018



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ENGINEERING STATEMENT

Owl Engineering, Inc. has been retained by Springfield Radio to complete this radio market analysis. This study was completed to determine the number of AM and FM broadcast stations located in the competitive markets with the all of the existing owned radio stations.

To determine which stations are located in a given competitive market, the appropriate principal community coverage contours of all broadcast stations in the vicinity of the market must be calculated and a determination must be made if there is any overlap of these contours. Each station involved in coverage overlap is included in the market count.

DETERMINING FM STATIONS IN THE MARKET

A comprehensive search of all FM broadcast stations surrounding the market area was conducted. The 70 dBuV contour for each station was calculated for each of the eight standard 45-degree spaced radials in conjunction with the F(50,50) metric curves of Figure 1 of §73.333 of the Commission's Rules.

DETERMINING AM STATIONS IN THE MARKET

A comprehensive search of all AM broadcast stations surrounding the market area was conducted. The 5 mV/m contour for each station was calculated every 5 degrees using the FCC metric curves and M3 map conductivity data.

Existing interests:

KTOE(AM) Mankato, Minnesota
KFSP(AM) Mankato, Minnesota
KDOG(FM) North Mankato, Minnesota
KATO-FM New Ulm, Minnesota
KRRW(FM) St. James, Minnesota
KXAC(FM) St. James, Minnesota
KXLP(FM) Eagle Lake, Minnesota
KHRS(FM) Winthrop, Minnesota
KMHL(AM) Marshall, Minnesota
KKCK(FM) Marshall, Minnesota
KARL(FM) Tracy, Minnesota
KNSG(FM) Marshall, Minnesota
KARZ(FM) Springfield, MN
KOWZ(AM) Waseca, Minnesota
KRUE(FM) Waseca, Minnesota
KOLV(FM) Olivia, Minnesota.
KOWZ-FM Blooming Prairie, Minnesota.
KNXR(FM) Rochester, Minnesota.
KFMC(FM) Fairmont, Minnesota
KSUM(AM) Fairmont, Minnesota



Figure #1 shows the signal coverage contours of all the attributable facilities used in this study.

Market #1- Figure 2 shows the Market Mutual Overlap area. The results of the analysis with all of the contributing stations within the mutually overlapping contours for the combination of KOWZ-FM, KOWZ-AM, and KNXR-FM. Figure 3 is an expanded view of the Mutual Market Overlap Area. The results of the contour study are shown in the market #1 table and it shows 57 stations with overlapping contours.

Market #2- Figure 4 shows the Market Mutual Overlap area. The results of the analysis with all of the contributing stations within the mutually overlapping contours for the combination of KFSP-AM, KTOE-AM, KOWZ-AM, KOWZ-FM, and KRUE-FM. The results of the contour study are shown in the market #2 table and it shows 46 stations with overlapping contours.

Market #3- Figure 5 shows the Market Mutual Overlap area. The results of the analysis with all of the contributing stations within the mutually overlapping contours for the combination of KKCK-FM, KARL-FM, KNSG-FM and KMHL-AM. The results of the contour study are shown in the market #3 table and it shows 21 stations with overlapping contours.

Market #4- Figure 6 shows the Market Mutual Overlap area. The results of the analysis with all of the contributing stations within the mutually overlapping contours for the combination of KARZ-FM, KARL-FM, KNSG-FM and KMHL-AM. The results of the contour study are shown in the market #4 table and it shows 17 stations with overlapping contours.

Market #5- Figure 7 shows the Market Mutual Overlap area. The results of the analysis with all of the contributing stations within the mutually overlapping contours for the combination of KFMC-FM, KATO-FM, KRRW-FM, KXAC-M and KSUM-AM. The results of the contour study are shown in the market #5 table and it shows 37 stations with overlapping contours.

Market #6- Figure 8 shows the Market Mutual Overlap area. The results of the analysis with all of the contributing stations within the mutually overlapping contours for the combination of KSUM-AM, KTOE-AM, KFMC-FM, KXAC-FM and KATO-FM. The results of the contour study are shown in the market #6 table and it shows 41 stations with overlapping contours.



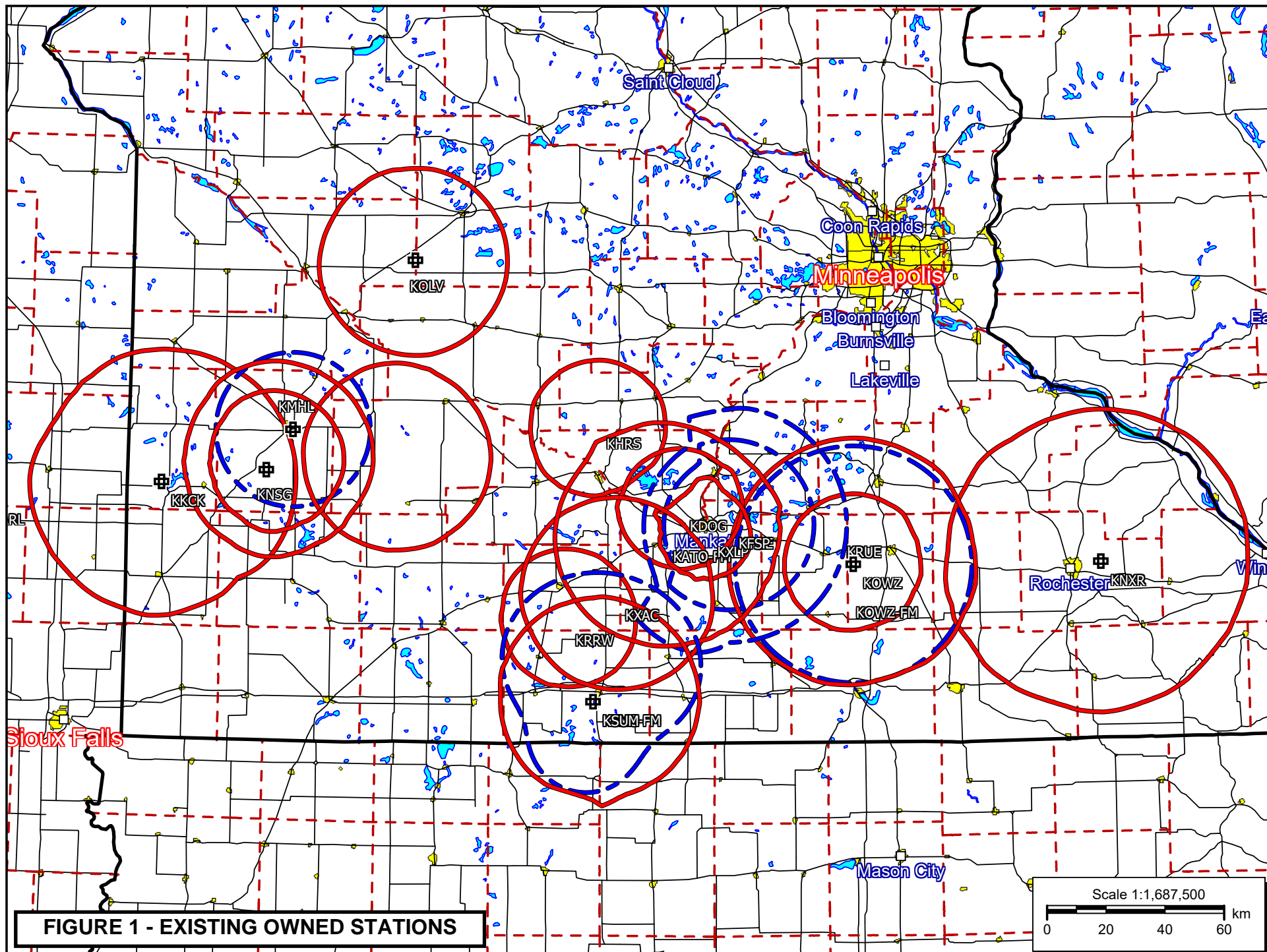
Market #7- Figure 9 shows the Market Mutual Overlap area. The results of the analysis with all of the contributing stations within the mutually overlapping contours for the combination of KATO-FM, KDOG-FM and KHRS-FM. Figure 10 is an expanded view of the Mutual Market Overlap Area. The results of the contour study are shown in the market #7 table and it shows 30 stations with overlapping contours.

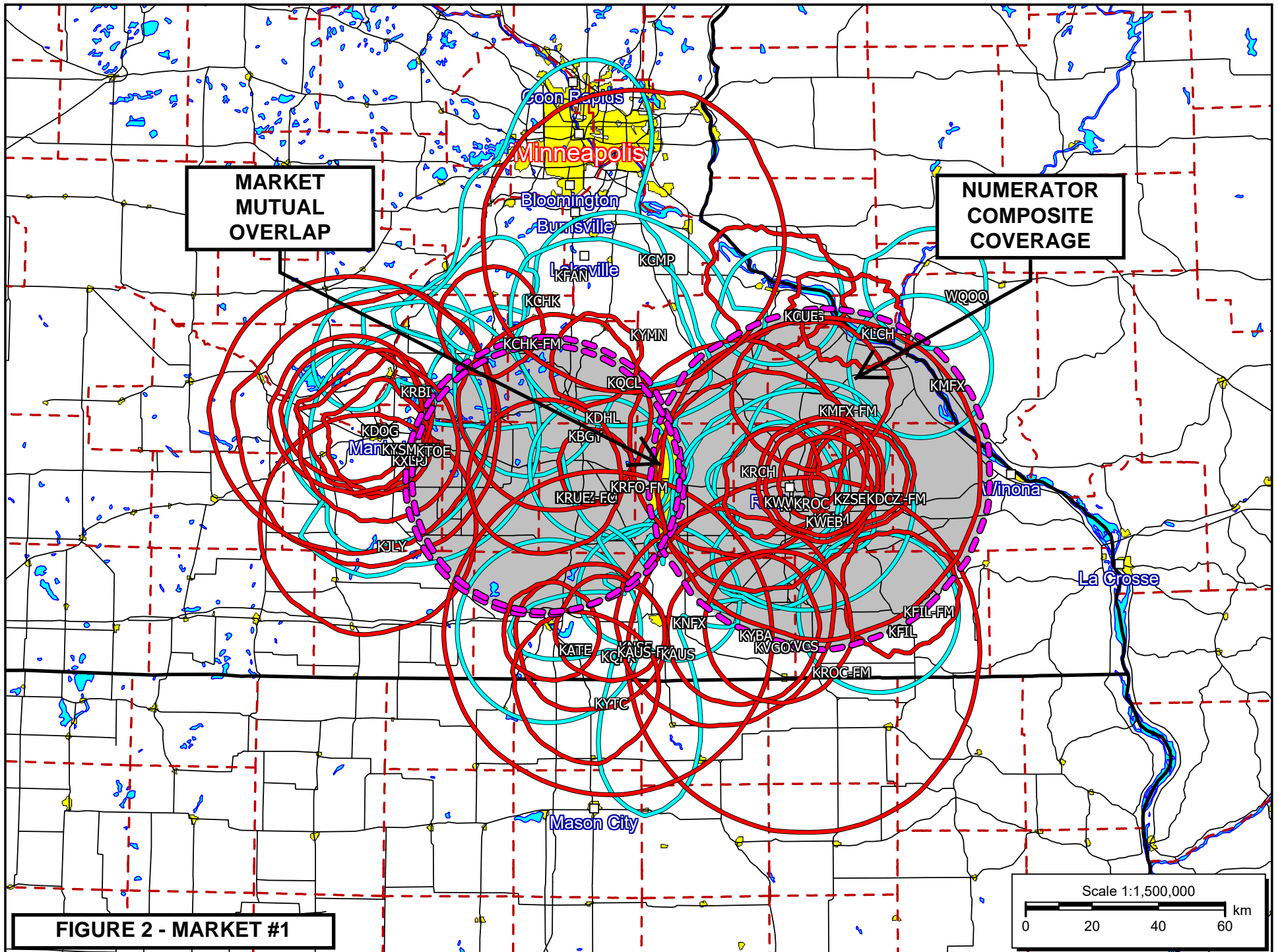
Market #8- Figure 11 shows the Market Mutual Overlap area. The results of the analysis with all of the contributing stations within the mutually overlapping contours for the combination of KXAC-FM, KFSP-AM, KXLP-FM, KTOE-AM, KATO-FM and KDOG-FM.. The results of the contour study are shown in the market #6 table and it shows 37 stations with overlapping contours.

The study shows that based on my analysis of these market areas Springfield Radio is in compliance with the requirements of §73.3555.

Garrett G. Lysiak, P.E.

May 22, 2018







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Market #1

Total number of overlapping contours: 57

Reference:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
KOWZ-FM	FM	265C1	Blooming Prairie	MN	BMLH20110414ABB	0.0	0.0
KNXR	FM	248C	Rochester	MN	BLH19990505KB	83.6	90.0
KOWZ .C	AM	1170	WASECA	MN	BP20030722ACP	0.1	283.0

Overlapping Contours:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
KYTC	FM	274C3	Northwood	IA	BLH20140814ABS	63.0	169.1
KMSE	FM	204A	Rochester	MN	BLH20100930AAJ	83.6	90.0
KVCS	FM	206C3	Spring Valley	MN	BLH20101217AAQ	82.2	122.7
KCMP	FM	207C1	Northfield	MN	BLH20060308AIB	75.7	19.0
KMSU	FM	209C2	Mankato	MN	BLH20091202ABZ	50.6	282.4
KRPR	FM	210C3	Rochester	MN	BLH20030721ABL	83.6	90.0
KNSE	FM	211A	Austin	MN	BLH20031230AAP	48.8	157.0
KNGA	FM	213C1	St. Peter	MN	BLH20120501AAX	61.9	288.7
KLSE	FM	214C3	Rochester	MN	BLH19980504KH	83.6	90.0
KGAC	FM	218C2	St. Peter	MN	BLH19920303KA	61.9	288.7
KZSE	FM	219C1	Rochester	MN	BLH20120508AAX	83.6	90.0
KRUE	FM	221C3	Waseca	MN	BMLH20110414ABA	0.0	0.0
KFSI	FM	225A	Rochester	MN	BLH19810507AJ	67.4	91.7
KXLP	FM	231A	Eagle Lake	MN	BLH20100326ACA	50.6	282.4
KLCH	FM	235A	Lake City	MN	BLH20011212AAQ	104.3	61.5
KCPI	FM	235A	Albert Lea	MN	BLH20040825ABI	45.8	178.7
KCHK-FM	FM	238A	New Prague	MN	BLH20051103ABJ	48.9	340.8
KQCL	FM	240A	Faribault	MN	BLH19870220KC	37.8	23.8
KQPR	FM	241C3	Albert Lea	MN	BLH20040317AEQ	49.7	163.9
KWWK	FM	243C2	Rochester	MN	BLH19921005KG	62.6	91.0
KDOG	FM	244C3	North Mankato	MN	BLH19930920KC	61.9	288.7
KAUS-FM	FM	260C1	Austin	MN	BLH4037	49.9	158.1
KRCH	FM	269C2	Rochester	MN	BLH19911202KB	56.2	81.7
KMFX-FM	FM	273C3	Lake City	MN	BLH19930310KC	83.3	71.5
KFIL-FM	FM	276C3	Chatfield	MN	BMLH20131203AFN	110.0	107.9
KYSM-FM	FM	278C1	Mankato	MN	BLH19930802KD	54.4	285.2
KDOC-FM	FM	280A	Eyota	MN	BLH20080314AEH	93.4	90.0
KVGO	FM	282C3	Spring Valley	MN	BLH19981125KF	74.8	126.8
KJLY	FM	283C2	Blue Earth	MN	BLH20091008ABL	55.7	254.6
KRFO-FM	FM	285A	Owatonna	MN	BMLH20131203AFP	16.6	79.0
KYBA	FM	287C2	Stewartville	MN	BLH19930205KD	68.9	126.7
KRBI-FM	FM	288C3	St. Peter	MN	BLH20100614AQT	54.4	285.2
KWNG	FM	290C3	Red Wing	MN	BLH19930217KA	87.8	51.2
KROC-FM	FM	295C0	Rochester	MN	BMLH20130718AHJ	93.3	124.1
KBGY	FM	298C2	Faribault	MN	BLH20010411AAH	18.8	11.2
KDCZ	FM	299A	St. Charles	MN	BLH19980410KF	93.4	90.0
KOLM	AM	1520	ROCHESTER	MN	BL19800813AJ	77.7	94.5
KWEB	AM	1270	ROCHESTER	MN	BL19830110AE	75.4	95.2
KNFX	AM	970	AUSTIN	MN	BL	51.5	136.7
KAUS	AM	1480	AUSTIN	MN	BL	56.7	145.9
KFIL	AM	1060	PRESTON	MN	BL20000926ANG	107.8	111.7
KATE	AM	1450	ALBERT LEA	MN	BL	45.8	178.7
KMFX	AM	1190	WABASHA	MN	BL	117.5	73.0
WQOQ	AM	1430	DURAND	WI	BL19900411AF	131.8	62.4
KCUE	AM	1250	RED WING	MN	BL19921203AA	87.8	51.2
KROC	AM	1340	ROCHESTER	MN	BL	71.5	91.1
KYMN	AM	1080	NORTHFIELD	MN	BL14062	53.8	24.3
KCHK	AM	1350	NEW PRAGUE	MN	BL	59.9	350.8
KRFO	AM	1390	OWATONNA	MN	BL	16.7	78.7



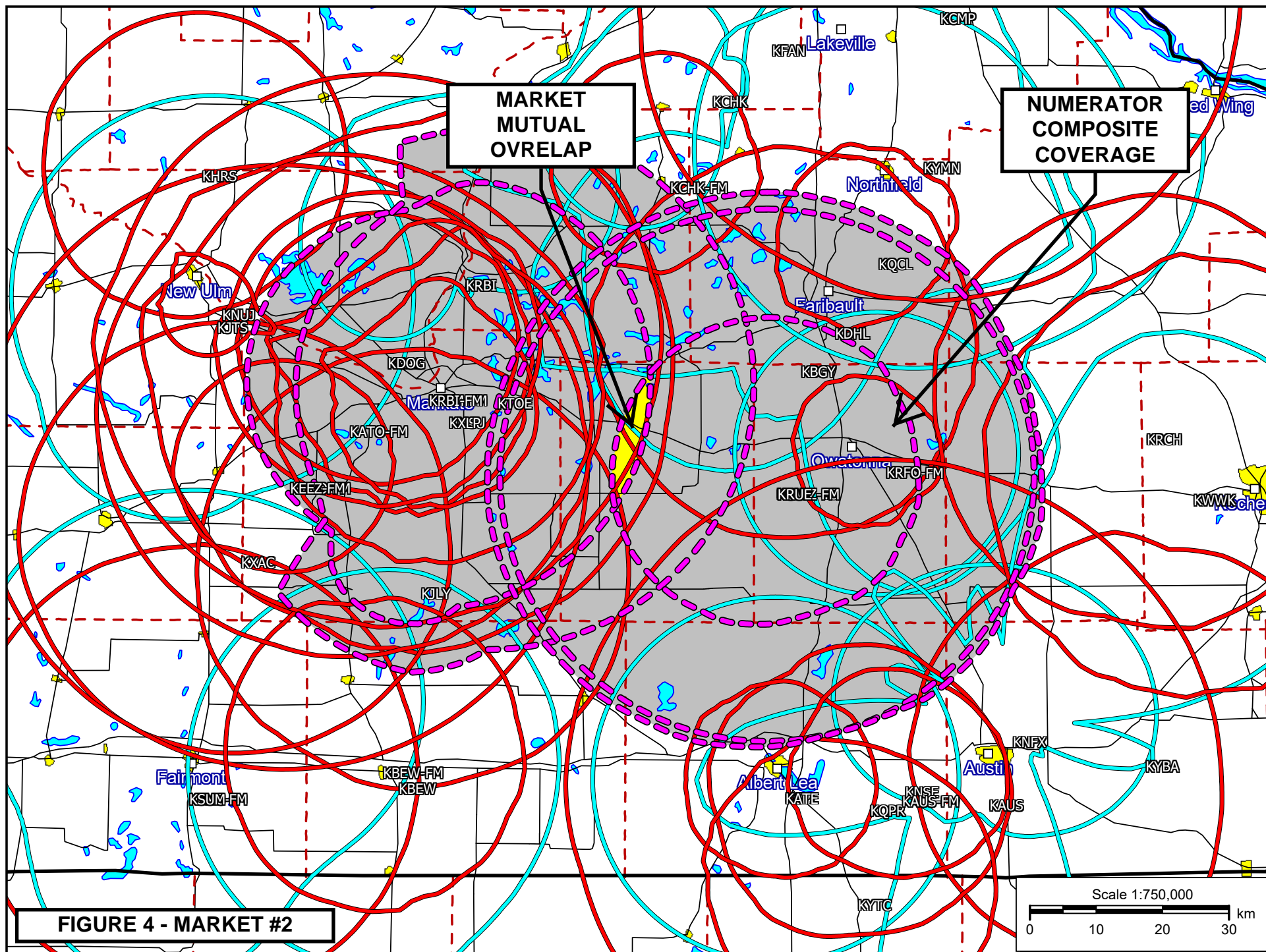
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KTOE	AM	1420 MANKATO	MN	BL19920818AF	44.3	288.1
KDHL	AM	920 FARIBAULT	MN	BL	25.7	19.8
KFAN	AM	1130 MINNEAPOLIS	MN	BL19860918AG	66.8	359.5
KRBI	AM	1310 ST. PETER	MN	BL20030530DYL	56.5	304.0
KFSP	AM	1230 MANKATO	MN	BL	54.4	285.2

Stations more than 92 km from the common area were excluded.





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Market #2

Total number of overlapping contours: 46

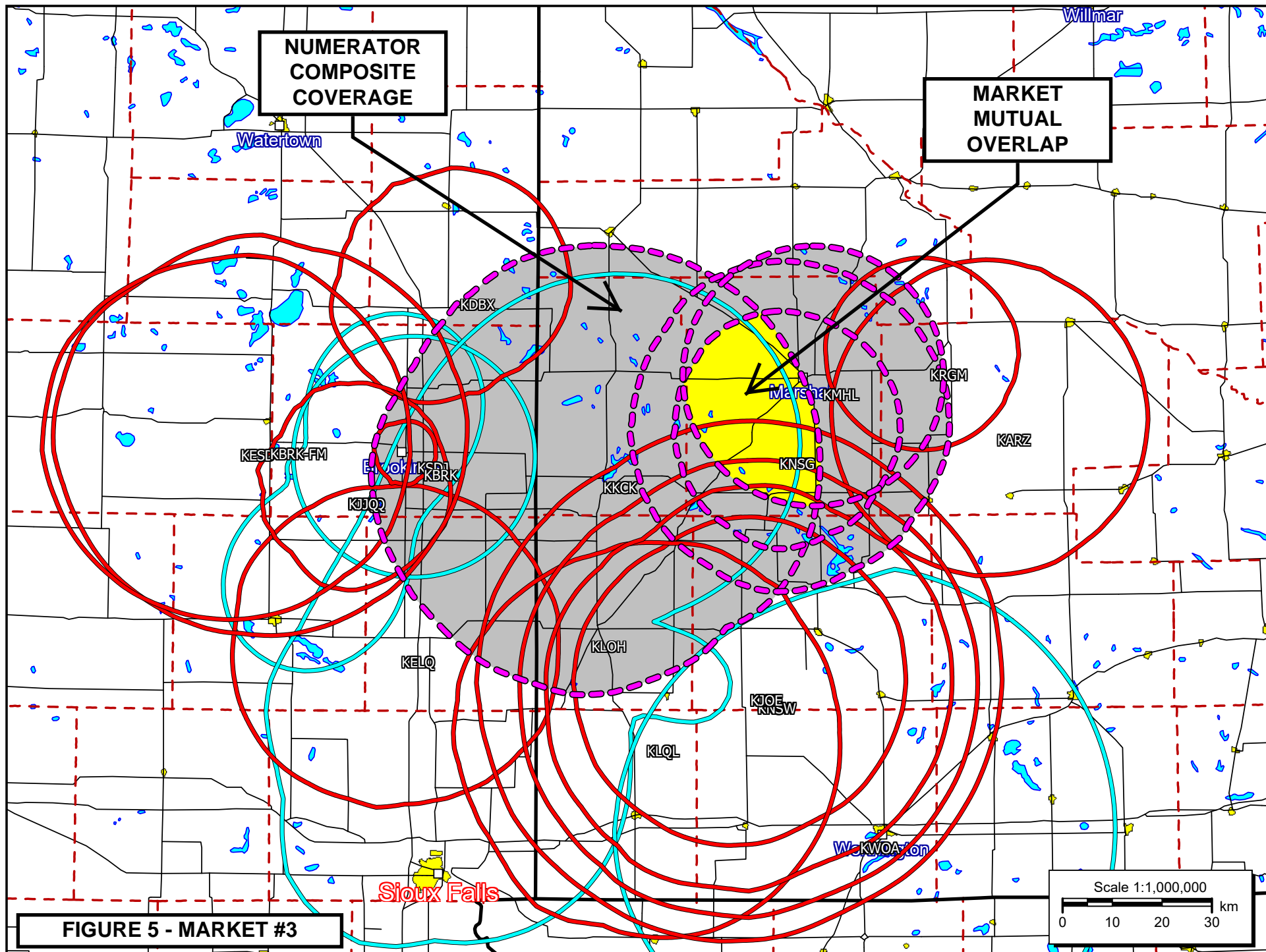
Reference:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
KFSP	AM	1230	MANKATO	MN	BL	0.0	0.0
KTOE	AM	1420	MANKATO	MN	BL19920818AF	10.4	92.3
KOWZ .C	AM	1170	WASECA	MN	BP20030722ACP	54.2	104.8
KOWZ-FM	FM	265C1	Blooming Prairie	MN	BMLH20110414ABB	54.4	104.8
KRUE	FM	221C3	Waseca	MN	BMLH20110414ABA	54.4	104.8

Overlapping Contours:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
KYTC	FM	274C3	Northwood	IA	BLH20140814ABS	99.7	139.4
KJTS	FM	202A	New Ulm	MN	BLD20100511ABT	33.7	288.7
KCMP	FM	207C1	Northfield	MN	BLD20060308AIB	96.1	52.9
KMSU	FM	209C2	Mankato	MN	BLD20091202ABZ	4.5	137.8
KNSE	FM	211A	Austin	MN	BLD20031230AAP	92.9	129.2
KNGA	FM	213C1	St. Peter	MN	BMLD20120501AAX	8.3	311.8
KGAC	FM	218C2	St. Peter	MN	BLD19920303KA	8.3	311.8
KATO-FM	FM	226C1	New Ulm	MN	BMLH20140612ACV	12.8	248.2
KXLP	FM	231A	Eagle Lake	MN	BLH20100326ACA	4.6	137.6
KCPI	FM	235A	Albert Lea	MN	BLH20040825ABI	80.5	137.9
KCHK-FM	FM	238A	New Prague	MN	BLH20051103ABJ	48.4	48.3
KMKO-FM	FM	239A	Lake Crystal	MN	BLH20050914AAE	24.8	237.3
KQCL	FM	240A	Faribault	MN	BLH19870220KC	70.7	72.8
KQPR	FM	241C3	Albert Lea	MN	BLH20040317AEQ	90.7	132.6
KWWK	FM	243C2	Rochester	MN	BLH19921005KG	116.1	97.2
KDOG	FM	244C3	North Mankato	MN	BLH19930920KC	8.3	311.8
KBEW-FM	FM	251C3	Blue Earth	MN	BLH19940105KD	56.5	186.7
KEEZ-FM	FM	256C1	Mankato	MN	BLH20010420AAG	24.8	237.3
KAUS-FM	FM	260C1	Austin	MN	BLH4037	93.4	130.0
KXAC	FM	263C2	St. James	MN	BLH19990402KE	37.3	228.9
KRCH	FM	269C2	Rochester	MN	BLH19911202KB	108.2	92.8
KYSM-FM	FM	278C1	Mankato	MN	BLH19930802KD	0.0	0.0
KJLY	FM	283C2	Blue Earth	MN	BMLD20091008ABL	29.1	182.0
KRFO-FM	FM	285A	Owatonna	MN	BMLH20131203AFP	69.7	98.7
KYBA	FM	287C2	Stewartville	MN	BLH19930205KD	121.2	116.8
KRBI-FM	FM	288C3	St. Peter	MN	BLH20100614AQT	0.0	0.0
KHRS	FM	290C3	Winthrop	MN	BLH20080708AKE	48.0	314.4
KFMC-FM	FM	293C1	Fairmont	MN	BLH19850225LM	70.1	210.7
KBGY	FM	298C2	Faribault	MN	BLH20010411AAH	56.2	85.3
KNFX	AM	970	AUSTIN	MN	BL	101.9	120.1
KAUS	AM	1480	AUSTIN	MN	BL	104.1	125.6
KATE	AM	1450	ALBERT LEA	MN	BL	80.5	137.9
KSUM	AM	1370	FAIRMONT	MN	BL19790126AH	70.1	210.7
KBEW	AM	1560	BLUE EARTH	MN	BL19930525AB	58.7	184.2
KYMN	AM	1080	NORTHFIELD	MN	BL14062	82.3	64.6
KCHK	AM	1350	NEW PRAGUE	MN	BL	62.0	43.3
KRFO	AM	1390	OWATONNA	MN	BL	69.7	98.6
KDHL	AM	920	FARIBAULT	MN	BL	62.0	80.4
KFAN	AM	1130	MINNEAPOLIS	MN	BL19860918AG	73.8	44.2
KRBI	AM	1310	ST. PETER	MN	BL20030530DYL	18.2	17.5
KNUJ	AM	860	NEW ULM	MN	BL	33.7	292.2

Stations more than 92 km from the common area were excluded.





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Market #3

Total number of overlapping contours: 21

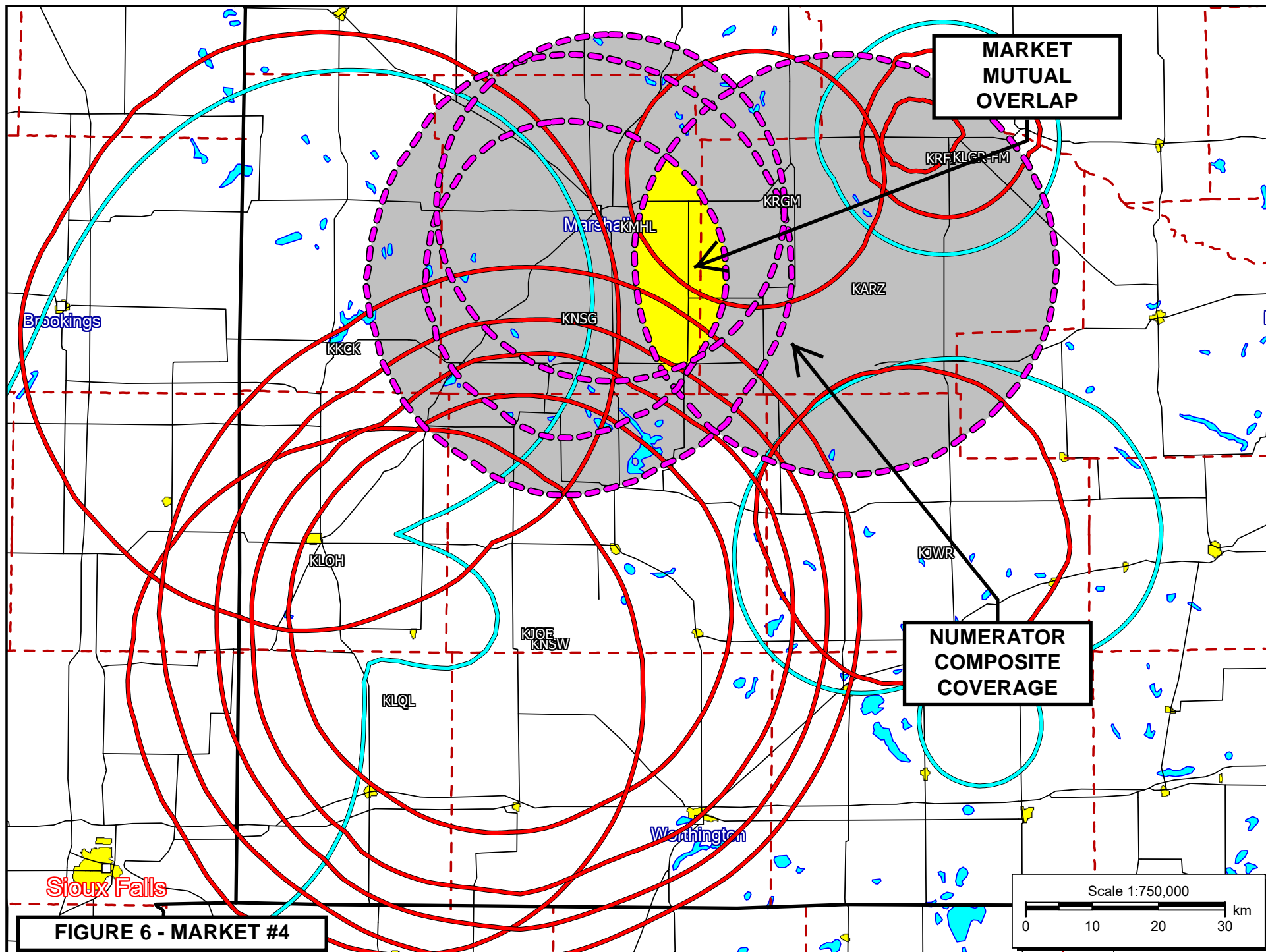
Reference:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
KKCK	FM	259C1	Marshall	MN	BLH20171027AAC	0.0	0.0
KARL	FM	286C2	Tracy	MN	BMLH20080813ADU	35.7	82.1
KNSG	FM	298C3	Marshall	MN	BLH19990208KE	35.7	82.1
KMHL	AM	1400	MARSHALL	MN	BL19910118AB	47.9	67.0

Overlapping Contours:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
KRSW	FM	207C1	Worthington	MN	BLED19941220KA	54.1	144.9
KRGM	FM	210C3	Marshall	MN	BLED20150604ABF	69.4	70.9
KNSW	FM	219C1	Worthington-marshall	MN	BMLH19931019KC	54.1	144.9
KARZ	FM	234C2	Springfield	MN	BLH19950711KD	79.6	83.0
KISD	FM	254C0	Pipestone	MN	BLH20160119AAN	51.9	145.3
KLQL	FM	266C1	Luverne	MN	BLH19830822AA	53.6	170.6
KJOE	FM	291C2	Slayton	MN	BLH20160119AAM	51.9	145.3
KESD	FM	202C1	Brookings	SD	BLED19870108KA	73.1	275.0
KSDJ	FM	214A	Brookings	SD	BLED19940105KB	37.6	276.0
KBRK-FM	FM	229C1	Brookings	SD	BLH19910822KB	67.3	275.7
KKQQ	FM	272C3	Volga	SD	BLH19930927KA	51.3	266.2
KDBX	FM	296C3	Clear Lake	SD	BLH19991108AAY	46.7	321.9
KELQ	FM	300C2	Flandreau	SD	BLH20010612ADB	53.6	229.1
KWOA	AM	730	WORTHINGTON	MN	BL	88.8	144.5
KLOH	AM	1050	PIPESTONE	MN	BL19991129AAU	32.0	184.2
KBRK	AM	1430	BROOKINGS	SD	BL19940408AA	36.1	273.8
KJJQ	AM	910	VOLGA	SD	BL19810417AL	51.3	266.2

Stations more than 92 km from the common area were excluded.





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Market #4

Total number of overlapping contours: 17

Reference:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
KARZ	FM	234C2	Springfield	MN	BLH19950711KD	0.0	0.0
KARL	FM	286C2	Tracy	MN	BMLH20080813ADU	43.9	264.5
KNSG	FM	298C3	Marshall	MN	BLH19990208KE	43.9	264.5
KMHL	AM	1400	MARSHALL	MN	BL19910118AB	36.1	285.3

Overlapping Contours:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
KRFI	FM	201A	Redwood Falls	MN	BLED20101213AAW	22.6	29.9
KRSW	FM	207C1	Worthington	MN	BLED19941220KA	72.1	222.4
KRGM	FM	210C3	Marshall	MN	BLED20150604ABF	18.7	315.0
KJWR	FM	215C3	Windom	MN	BLED20080729AAL	41.0	166.2
KNSW	FM	219C1	Worthington-marshall	MN	BMLH19931019KC	72.1	222.4
KLGR-FM	FM	249A	Redwood Falls	MN	BLH6258	24.9	37.7
KISD	FM	254C0	Pipestone	MN	BLH20160119AAN	72.0	224.1
KKCK	FM	259C1	Marshall	MN	BLH20171027AAC	79.6	263.7
KLQL	FM	266C1	Luverne	MN	BLH19830822AA	94.0	229.0
KJOE	FM	291C2	Slayton	MN	BLH20160119AAM	72.0	224.1
KDOM	AM	1580	WINDOM	MN	BL19830720AJ	58.8	161.9
KLOH	AM	1050	PIPESTONE	MN	BL19991129AAU	91.4	243.6
KLGR	AM	1490	REDWOOD FALLS	MN	BL	24.9	37.7

Stations more than 92 km from the common area were excluded.

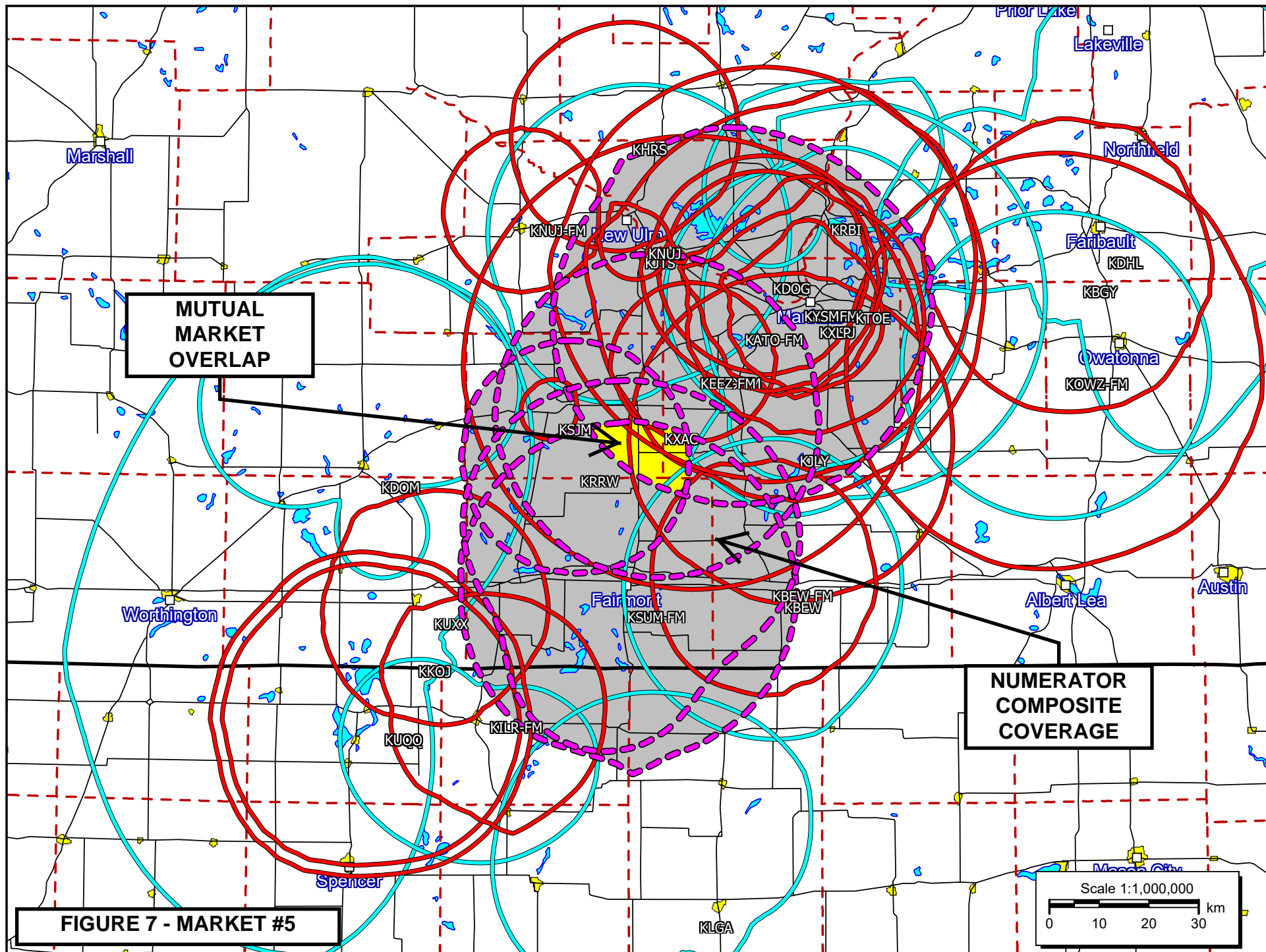


FIGURE 7 - MARKET #5



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Market #5

Total number of overlapping contours: 37

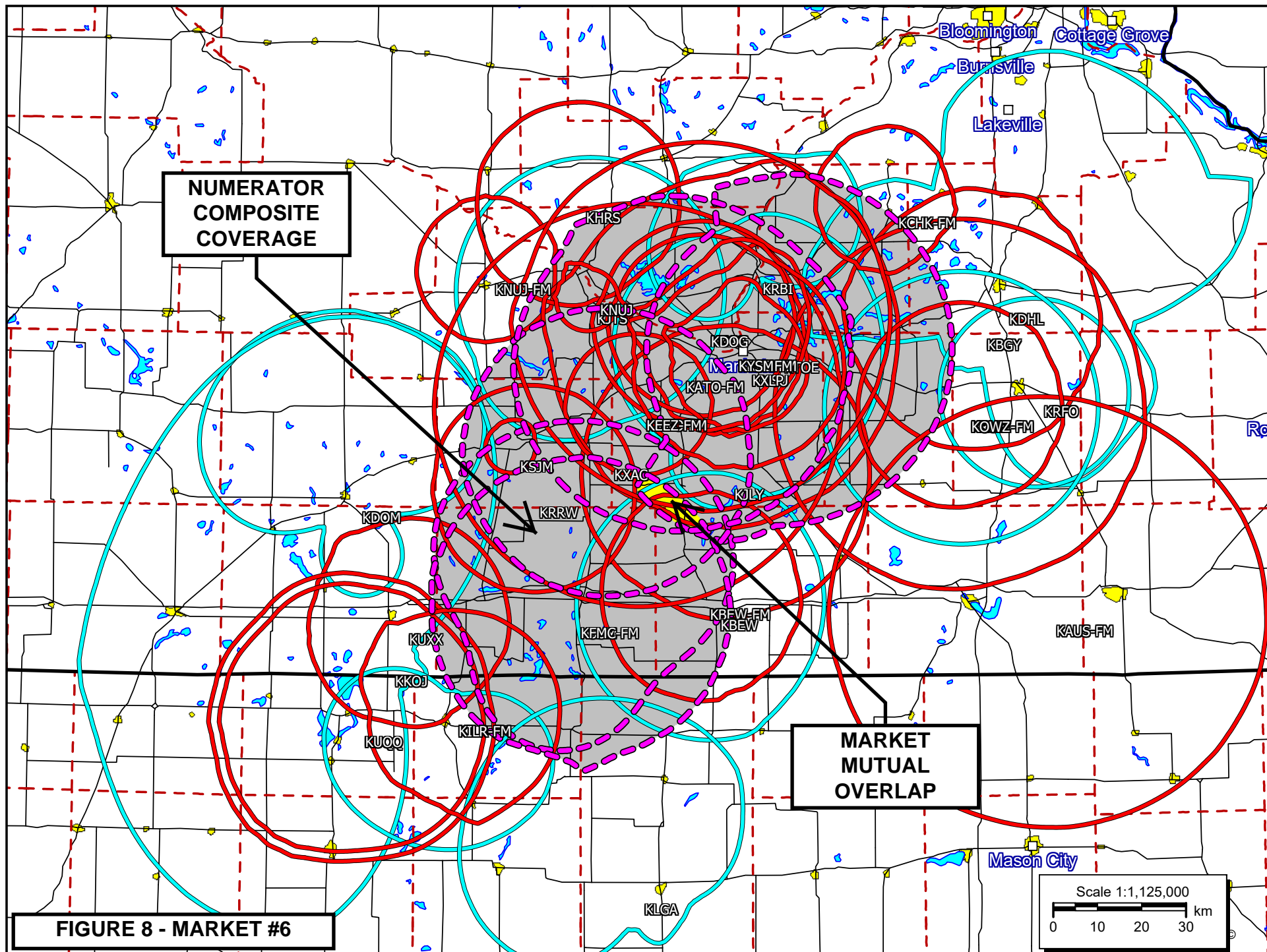
Reference:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
KFMC-FM	FM	293C1	Fairmont	MN	BLH19850225LM	0.0	0.0
KATO-FM	FM	226C1	New Ulm	MN	BMLH20140612ACV	60.4	23.0
KRRW	FM	268C3	St. James	MN	BLH20050531AUW	28.8	341.0
KXAC	FM	263C2	St. James	MN	BLH19990402KE	36.5	11.8
KSUM	AM	1370	FAIRMONT	MN	BL19790126AH	0.0	0.0

Overlapping Contours:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
KILR-FM	FM	240C3	Estherville	IA	BMLH20101008ABN	35.3	231.1
KUQQ	FM	271C2	Milford	IA	BLH19960920KA	54.5	243.1
KUOO	FM	280C2	Spirit Lake	IA	BLH19900927KA	54.5	243.1
KJTS	FM	202A	New Ulm	MN	BLED20100511ABT	71.1	2.8
KSJM	FM	206A	St. James	MN	BLED20110927ADK	40.0	339.9
KMSU	FM	209C2	Mankato	MN	BLED20091202ABZ	68.9	34.0
KNGA	FM	213C1	St. Peter	MN	BMLH20120501AAX	72.1	23.9
KGAC	FM	218C2	St. Peter	MN	BLED19920303KA	72.1	23.9
KXLP	FM	231A	Eagle Lake	MN	BLH20100326ACA	68.9	34.0
KMKO-FM	FM	239A	Lake Crystal	MN	BLH20050914AAE	49.2	17.4
KDOG	FM	244C3	North Mankato	MN	BLH19930920KC	72.1	23.9
KBEW-FM	FM	251C3	Blue Earth	MN	BLH19940105KD	29.5	81.7
KEEZ-FM	FM	256C1	Mankato	MN	BLH20010420AAG	49.2	17.4
KOWZ-FM	FM	265C1	Blooming Prairie	MN	BMLH20110414ABB	99.8	62.0
KYSM-FM	FM	278C1	Mankato	MN	BLH19930802KD	70.1	30.4
KJLY	FM	283C2	Blue Earth	MN	BMLH20091008ABL	46.7	47.8
KRBI-FM	FM	288C3	St. Peter	MN	BLH20100614AQT	70.1	30.4
KUXX	FM	289C3	Jackson	MN	BLH19940502KE	38.8	267.8
KHRS	FM	290C3	Winthrop	MN	BLH20080708AKE	93.8	0.6
KNUJ-FM	FM	297A	Sleepy Eye	MN	BLH20060109ABA	80.0	345.9
KBGY	FM	298C2	Faribault	MN	BLH20010411AAH	112.5	54.5
KLGA	AM	1600	ALGONA	IA	BL19990226DC	64.0	166.8
KILR	AM	1070	ESTHERVILLE	IA	BL19980803AB	35.3	231.1
KBEW	AM	1560	BLUE EARTH	MN	BL19930525AB	31.6	86.6
KKOJ	AM	1190	JACKSON	MN	BL19940418AE	43.3	255.3
KDOM	AM	1580	WINDOM	MN	BL19830720AJ	55.8	297.8
KOWZ	AM	1170	WASECA	MN	BL	99.7	62.0
KTOE	AM	1420	MANKATO	MN	BL19920818AF	75.6	37.3
KDHL	AM	920	FARIBAULT	MN	BL	119.9	53.6
KRBI	AM	1310	ST. PETER	MN	BL20030530DYL	87.9	27.7
KNUJ	AM	860	NEW ULM	MN	BL	73.1	3.3
KYSM	AM	1230	MANKATO	MN	BL	70.1	30.4

Stations more than 92 km from the common area were excluded.





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Market #6

Total number of overlapping contours: 41

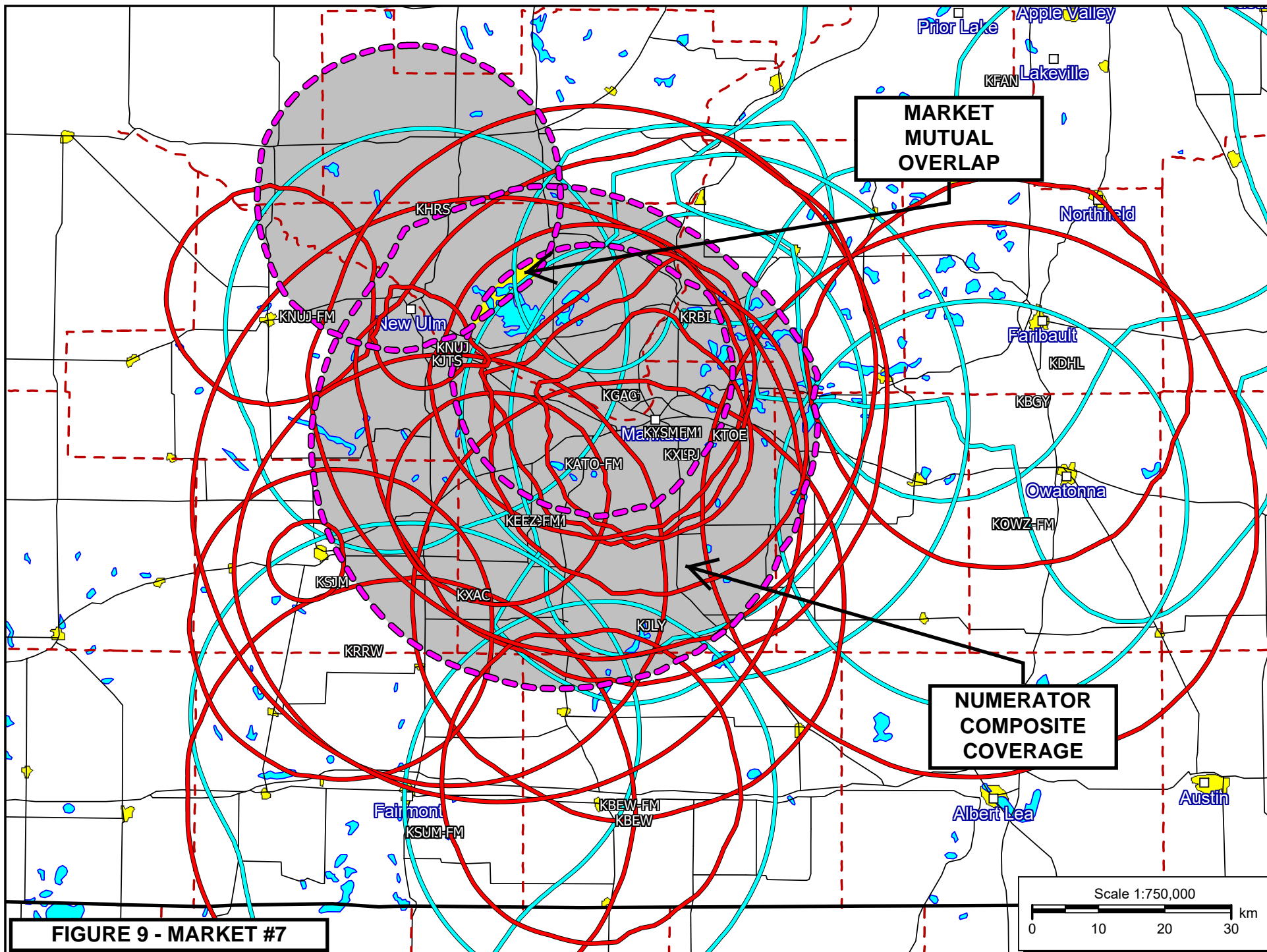
Reference:

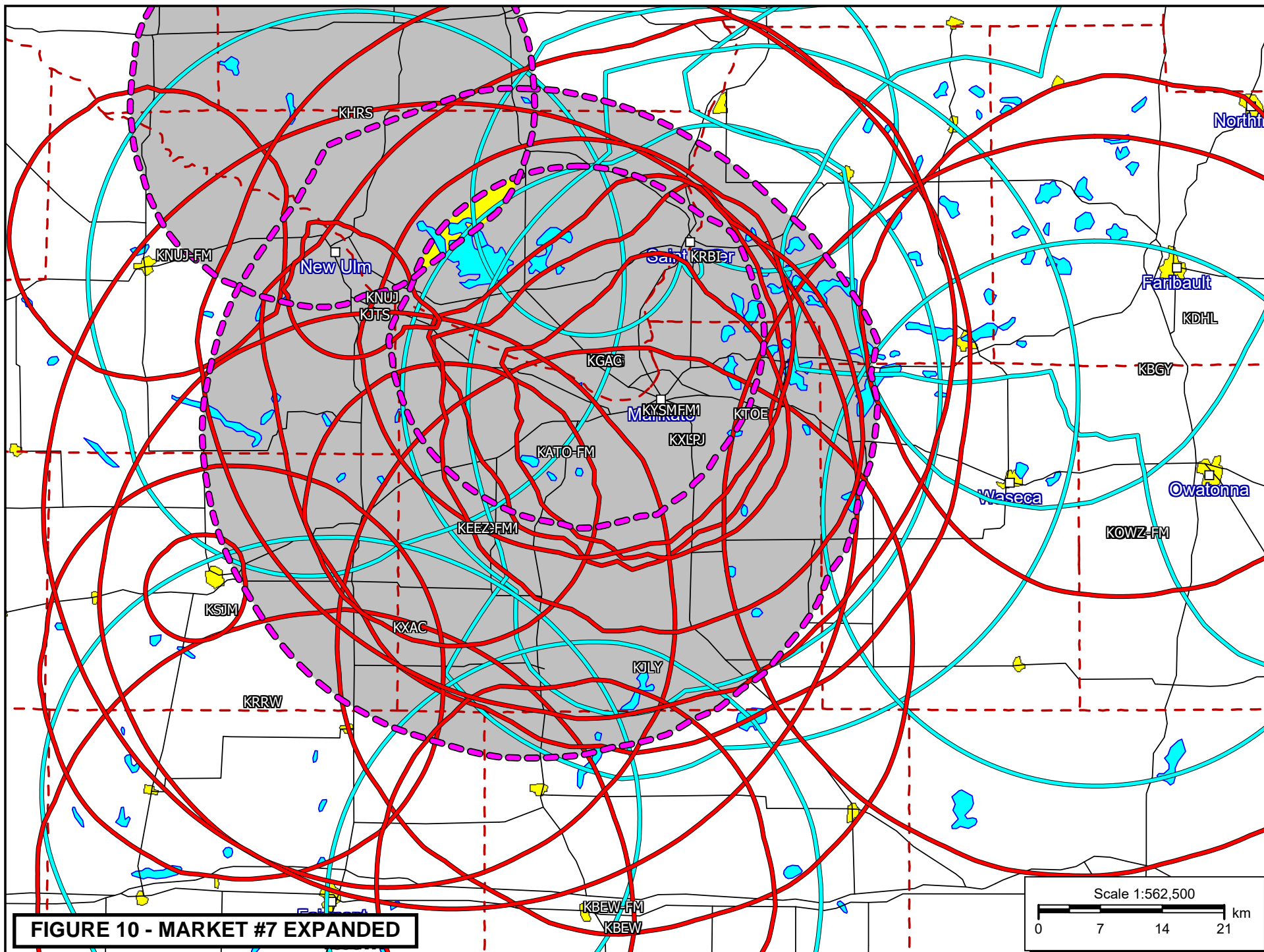
Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
KSUM	AM	1370	FAIRMONT	MN	BL19790126AH	0.0	0.0
KTOE	AM	1420	MANKATO	MN	BL19920818AF	75.6	37.3
KFMC-FM	FM	293C1	Fairmont	MN	BLH19850225LM	0.0	0.0
KXAC	FM	263C2	St. James	MN	BLH19990402KE	36.5	11.8
KATO-FM	FM	226C1	New Ulm	MN	BMLH20140612ACV	60.4	23.0

Overlapping Contours:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
KILR-FM	FM	240C3	Estherville	IA	BMLH20101008ABN	35.3	231.1
KUQQ	FM	271C2	Milford	IA	BLH19960920KA	54.5	243.1
KUOO	FM	280C2	Spirit Lake	IA	BLH19900927KA	54.5	243.1
KJTS	FM	202A	New Ulm	MN	BLED20100511ABT	71.1	2.8
KSJM	FM	206A	St. James	MN	BLED20110927ADK	40.0	339.9
KMSU	FM	209C2	Mankato	MN	BLED20091202ABZ	68.9	34.0
KNGA	FM	213C1	St. Peter	MN	BMLH20120501AAX	72.1	23.9
KGAC	FM	218C2	St. Peter	MN	BLED19920303KA	72.1	23.9
KRUE	FM	221C3	Waseca	MN	BMLH20110414ABA	99.8	62.0
KXLP	FM	231A	Eagle Lake	MN	BLH20100326ACA	68.9	34.0
KCHK-FM	FM	238A	New Prague	MN	BLH20051103ABJ	117.1	37.6
KMKO-FM	FM	239A	Lake Crystal	MN	BLH20050914AAE	49.2	17.4
KDOG	FM	244C3	North Mankato	MN	BLH19930920KC	72.1	23.9
KBEW-FM	FM	251C3	Blue Earth	MN	BLH19940105KD	29.5	81.7
KEEZ-FM	FM	256C1	Mankato	MN	BLH20010420AAG	49.2	17.4
KAUS-FM	FM	260C1	Austin	MN	BLH4037	107.3	89.6
KOWZ-FM	FM	265C1	Blooming Prairie	MN	BMLH20110414ABB	99.8	62.0
KRRW	FM	268C3	St. James	MN	BLH20050531AUW	28.8	341.0
KYSM-FM	FM	278C1	Mankato	MN	BLH19930802KD	70.1	30.4
KJLY	FM	283C2	Blue Earth	MN	BMLH20091008ABL	46.7	47.8
KRBI-FM	FM	288C3	St. Peter	MN	BLH20100614AQT	70.1	30.4
KUXX	FM	289C3	Jackson	MN	BLH19940502KE	38.8	267.8
KHRS	FM	290C3	Winthrop	MN	BLH20080708AKE	93.8	0.6
KNUJ-FM	FM	297A	Sleepy Eye	MN	BLH20060109ABA	80.0	345.9
KBGY	FM	298C2	Faribault	MN	BLH20010411AAH	112.5	54.5
KLGA	AM	1600	ALGONA	IA	BL19990226DC	64.0	166.8
KILR	AM	1070	ESTHERVILLE	IA	BL19980803AB	35.3	231.1
KBEW	AM	1560	BLUE EARTH	MN	BL19930525AB	31.6	86.6
KKOJ	AM	1190	JACKSON	MN	BL19940418AE	43.3	255.3
KDOM	AM	1580	WINDOM	MN	BL19830720AJ	55.8	297.8
KOWZ	AM	1170	WASECA	MN	BL	99.7	62.0
KRFO	AM	1390	OWATONNA	MN	BL	115.9	64.3
KDHL	AM	920	FARIBAULT	MN	BL	119.9	53.6
KRBI	AM	1310	ST. PETER	MN	BL20030530DYL	87.9	27.7
KNUJ	AM	860	NEW ULM	MN	BL	73.1	3.3
KFSP	AM	1230	MANKATO	MN	BL	70.1	30.4

Stations more than 92 km from the common area were excluded.







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Market #7

Total number of overlapping contours: 30

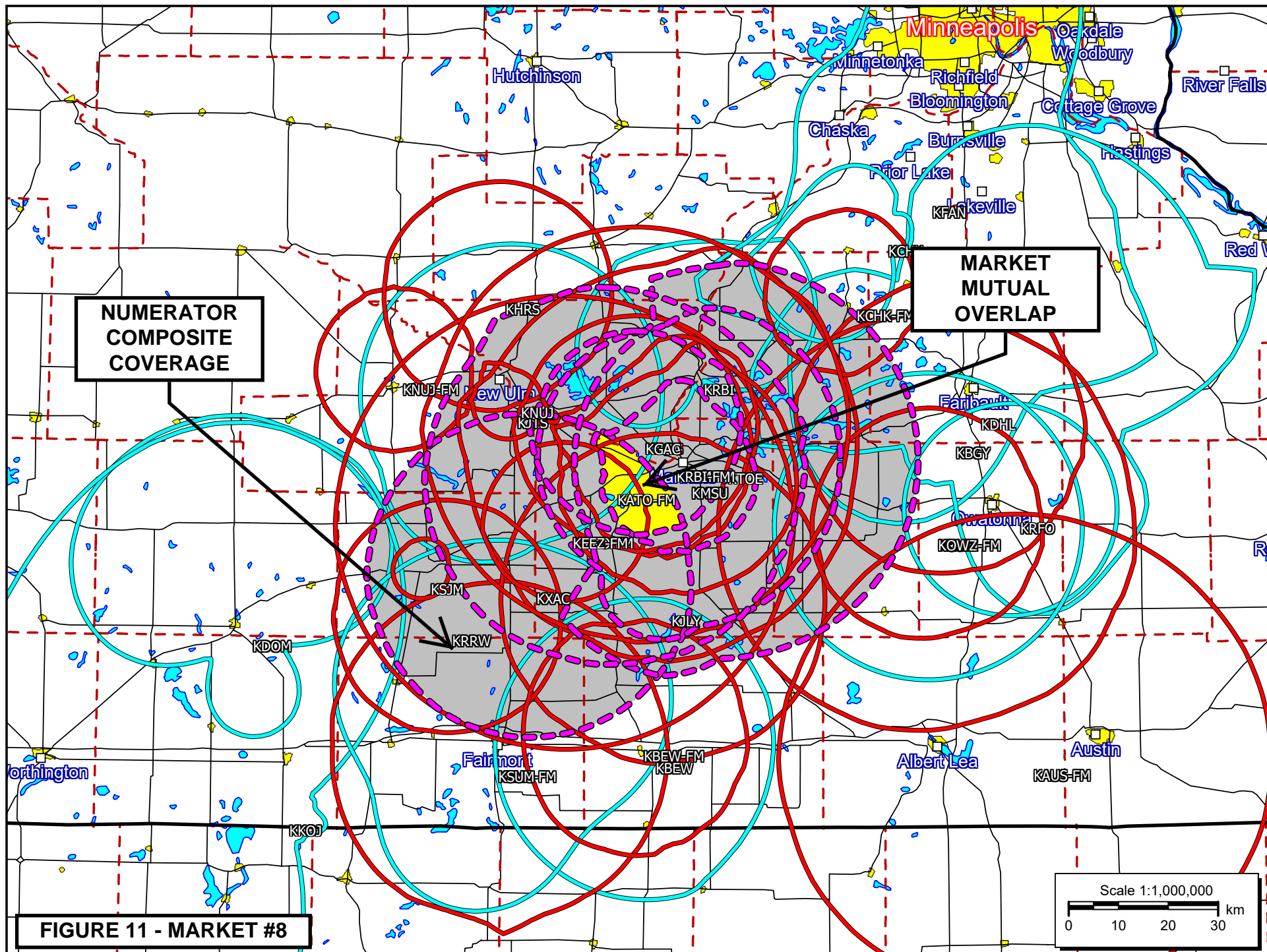
Reference:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
KATO-FM	FM	226C1	New Ulm	MN	BMLH20140612ACV	0.0	0.0
KDOG	FM	244C3	North Mankato	MN	BLH19930920KCE	11.8	28.7
KHRS	FM	290C3	Winthrop	MN	BLH20080708AKE	44.4	329.6

Overlapping Contours:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
KJTS	FM	202A	New Ulm	MN	BLED20100511ABT	25.3	307.7
KSJM	FM	206A	St. James	MN	BLED20110927ADK	41.5	244.4
KMSU	FM	209C2	Mankato	MN	BLED20091202ABZ	15.0	84.6
KNGA	FM	213C1	St. Peter	MN	BMLD20120501AAX	11.8	28.7
KGAC	FM	218C2	St. Peter	MN	BLED19920303KA	11.8	28.7
KXLP	FM	231A	Eagle Lake	MN	BLH20100326ACA	15.0	84.6
KMKO-FM	FM	239A	Lake Crystal	MN	BLH20050914AAE	12.4	226.0
KBEW-FM	FM	251C3	Blue Earth	MN	BLH19940105KD	51.7	174.1
KEEZ-FM	FM	256C1	Mankato	MN	BLH20010420AAG	12.4	226.0
KXAC	FM	263C2	St. James	MN	BLH19990402KE	25.6	219.3
KOWZ-FM	FM	265C1	Blooming Prairie	MN	BMLH20110414ABB	65.1	98.0
KRRW	FM	268C3	St. James	MN	BLH20050531AUW	43.5	229.5
KYSM-FM	FM	278C1	Mankato	MN	BLH19930802KD	12.8	68.1
KJLY	FM	283C2	Blue Earth	MN	BMLD20091008ABL	26.6	155.9
KRBI-FM	FM	288C3	St. Peter	MN	BLH20100614AQT	12.8	68.1
KFMC-FM	FM	293C1	Fairmont	MN	BLH19850225LM	60.4	203.2
KNUJ-FM	FM	297A	Sleepy Eye	MN	BLH20060109ABA	48.4	297.2
KBGY	FM	298C2	Faribault	MN	BLH20010411AAH	68.6	82.0
KSUM	AM	1370	FAIRMONT	MN	BL19790126AH	60.4	203.2
KBEW	AM	1560	BLUE EARTH	MN	BL19930525AB	54.3	171.8
KOWZ	AM	1170	WASECA	MN	BL	64.9	97.9
KTOE	AM	1420	MANKATO	MN	BL19920818AF	22.6	78.9
KDHL	AM	920	FARIBAULT	MN	BL	74.5	78.2
KFAN	AM	1130	MINNEAPOLIS	MN	BL19860918AG	85.6	47.5
KRBI	AM	1310	ST. PETER	MN	BL20030530DYL	28.1	38.0
KNUJ	AM	860	NEW ULM	MN	BL	26.1	312.0
KFSP	AM	1230	MANKATO	MN	BL	12.8	68.1

Stations more than 92 km from the common area were excluded.





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Market #8

Total number of overlapping contours: 37

Reference:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
KXAC	FM	263C2	St. James	MN	BLH19990402KE	0.0	0.0
KFSP	AM	1230	MANKATO	MN	BL	37.3	48.7
KXLP	FM	231A	Eagle Lake	MN	BLH20100326ACA	37.7	55.6
KTOE	AM	1420	MANKATO	MN	BL19920818AF	45.4	57.7
KATO-FM	FM	226C1	New Ulm	MN	BMLH20140612ACV	25.6	39.2
KDOG	FM	244C3	North Mankato	MN	BLH19930920KC	37.2	35.8

Overlapping Contours:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
KJTS	FM	202A	New Ulm	MN	BLED20100511ABT	35.5	353.7
KSJM	FM	206A	St. James	MN	BLED20110927ADK	21.3	275.0
KMSU	FM	209C2	Mankato	MN	BLED20091202ABZ	37.7	55.6
KNGA	FM	213C1	St. Peter	MN	BMLH20120501AAX	37.2	35.8
KGAC	FM	218C2	St. Peter	MN	BLED19920303KA	37.2	35.8
KRUE	FM	221C3	Waseca	MN	BMLH20110414ABA	81.4	82.2
KCHK-FM	FM	238A	New Prague	MN	BLH20051103ABJ	85.7	48.3
KMKO-FM	FM	239A	Lake Crystal	MN	BLH20050914AAE	13.4	32.9
KBEW-FM	FM	251C3	Blue Earth	MN	BLH19940105KD	38.2	145.5
KEEZ-FM	FM	256C1	Mankato	MN	BLH20010420AAG	13.4	32.9
KAUS-FM	FM	260C1	Austin	MN	BLH4037	105.8	109.4
KOWZ-FM	FM	265C1	Blooming Prairie	MN	BMLH20110414ABB	81.4	82.2
KRRW	FM	268C3	St. James	MN	BLH20050531AUW	18.9	243.2
KYSM-FM	FM	278C1	Mankato	MN	BLH19930802KD	37.3	48.7
KJLY	FM	283C2	Blue Earth	MN	BMLH20091008ABL	27.5	99.3
KRBI-FM	FM	288C3	St. Peter	MN	BLH20100614AQT	37.3	48.7
KHRS	FM	290C3	Winthrop	MN	BLH20080708AKE	58.4	353.7
KFMC-FM	FM	293C1	Fairmont	MN	BLH19850225LM	36.5	191.9
KNUJ-FM	FM	297A	Sleepy Eye	MN	BLH20060109ABA	49.8	327.2
KBGY	FM	298C2	Faribault	MN	BLH20010411AAH	89.1	70.7
KSUM	AM	1370	FAIRMONT	MN	BL19790126AH	36.5	191.9
KBEW	AM	1560	BLUE EARTH	MN	BL19930525AB	41.5	144.7
KKOJ	AM	1190	JACKSON	MN	BL19940418AE	68.0	226.6
KDOM	AM	1580	WINDOM	MN	BL19830720AJ	57.7	260.3
KOWZ	AM	1170	WASECA	MN	BL	81.3	82.2
KCHK	AM	1350	NEW PRAGUE	MN	BL	99.3	45.1
KRFO	AM	1390	OWATONNA	MN	BL	98.1	81.5
KDHL	AM	920	FARIBAULT	MN	BL	95.8	68.4
KFAN	AM	1130	MINNEAPOLIS	MN	BL19860918AG	111.0	45.5
KRBI	AM	1310	ST. PETER	MN	BL20030530DYL	53.7	38.5
KNUJ	AM	860	NEW ULM	MN	BL	37.4	355.1

Stations more than 92 km from the common area were excluded.