

## Exhibit 12

Waite, MN

REFERENCE  
44 57 30 N  
93 04 31 W

CH# 221D - 92.1 MHz, Pwr= 0.055 kw, HAAT=67.9 M, COR= 287 M  
Average Protected F(50-50)= 7.25 km  
Ave. F(50-10) 40 dBu= 24.3 54 dBu= 10.4 80 dBu= 2.3 100 dBu= .5

DISPLAY DATES  
DATA 06-18-03  
SEARCH 06-21-03

CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kw) HAAT(M)	COR(M) INT(km)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT* (km)
223C Golden Valley	KQRSFM	LIC CN MN	341.0 161.0	11.76 BLH19910814KB	45 03 30 93 07 27	100.000 343	593 0.5	75.6 Kqrs, Inc.	-3.87	-64.32*
221D Waite	AP221	APP C MN	0.0 180.0	0.00 BNPFT20030314AER	44 57 30 93 04 31	0.055 1	287 15.5	4.8 Educational Media Foundati	-20.32*	-20.32*
221D Albertville	AP221	APP C MN	303.2 123.2	57.38 BNPFT20030317AYH	45 14 20 93 41 14	0.013 117	405 15.5	6.7 Educational Media Foundati	30.05	35.15
221D North Branch	AP221	APP C MN	10.8 190.8	59.72 BNPFT20030311ALI	45 29 10 92 55 56	0.038 65	331 15.5	6.5 Refuge Media Group	33.26	37.77
219D St. Paul	WMCN	LIC CX MN	253.3 73.3	7.62 BLED20030213AAT	44 56 19 93 10 04	0.005 40	314 0.5	3.0 Macalester College	2.63	4.06
221C2 Menomonie	WMEQFM	LIC NCN WI	92.0 272.0	108.77 BLH20010605ABD	44 54 59 91 41 55	17.500 236	512 15.5	50.7 Capstar Tx Limited Partner	-21.03	42.54
220D Minneapolis	AP220	APP DC MN	273.3 93.3	18.26 BNPFT20000316AAE	44 58 03 93 18 23	0.000 25	287 6.9	0.0 Minnesota Public Radio	13.43	11.40
220D Bloomington	K218DK	APP C MN	242.1 62.1	24.28 BPFT20021220AAY	44 51 22 93 20 49	0.216 56	312 6.9	9.4 North-central Christian Br	6.27	7.98
221C3 Waseca	KRUE	LIC CX MN	193.7 13.7	104.30 BLH20020625AAQ	44 02 46 93 23 03	9.800 170	515 15.5	40.4 Main Street Broadcasting,	-5.75	48.44
218D Bloomington	K218DK	LIC C MN	242.1 62.1	24.28 BLFT20021118AAA	44 51 22 93 20 49	0.216 56	312 0.5	9.4 Refuge Media Group	18.42	14.32
220D Medina	K220IQ	CP DV MN	285.1 105.1	40.38 BNPFT19991104AAD	45 03 06 93 34 13	0.012 109	404 6.9	6.4 Pensacola Christian Colleg	26.57	27.12
221D Mora	AP221	APP C MN	354.4 174.4	105.97 BNPFT20030317IHK	45 54 26 93 12 29	0.205 106	403 15.5	12.6 Radio Assist Ministry Inc.	57.94	77.89
219C1 Rochester	KLSEFM	LIC CN MN	150.0 330.0	117.50 BLED19980504KG	44 02 28 92 20 25	94.000 285	638 0.5	70.5 Minnesota Public Radio	100.53	46.43
221A Little Falls	WYRQFM	LIC CN MN	319.6 139.6	145.79 BLH19800516AF	45 56 57 94 17 48	3.000 97	431 15.5	23.9 wyrq, Inc.	65.58	106.42
218C2 St. Peter	KNGA	LIC VN MN	225.6 45.6	116.36 BLED19920303KA	44 13 20 94 07 03	8.500 176	471 0.5	39.8 Minnesota Public Radio	105.47	76.06
218C3 St. Cloud	ALLO	VAC MN	303.8 123.8	109.66 RM9391	45 30 02 94 14 31	25.000 -306	0 0.5	22.7	102.55	86.47
218C3 St. Cloud	KCFB	LIC C MN	303.8 123.8	109.66 BLED19991213AAH	45 30 02 94 14 31	15.000 129	435 0.5	38.9 Minnesota Christian B/cast	100.87	70.19

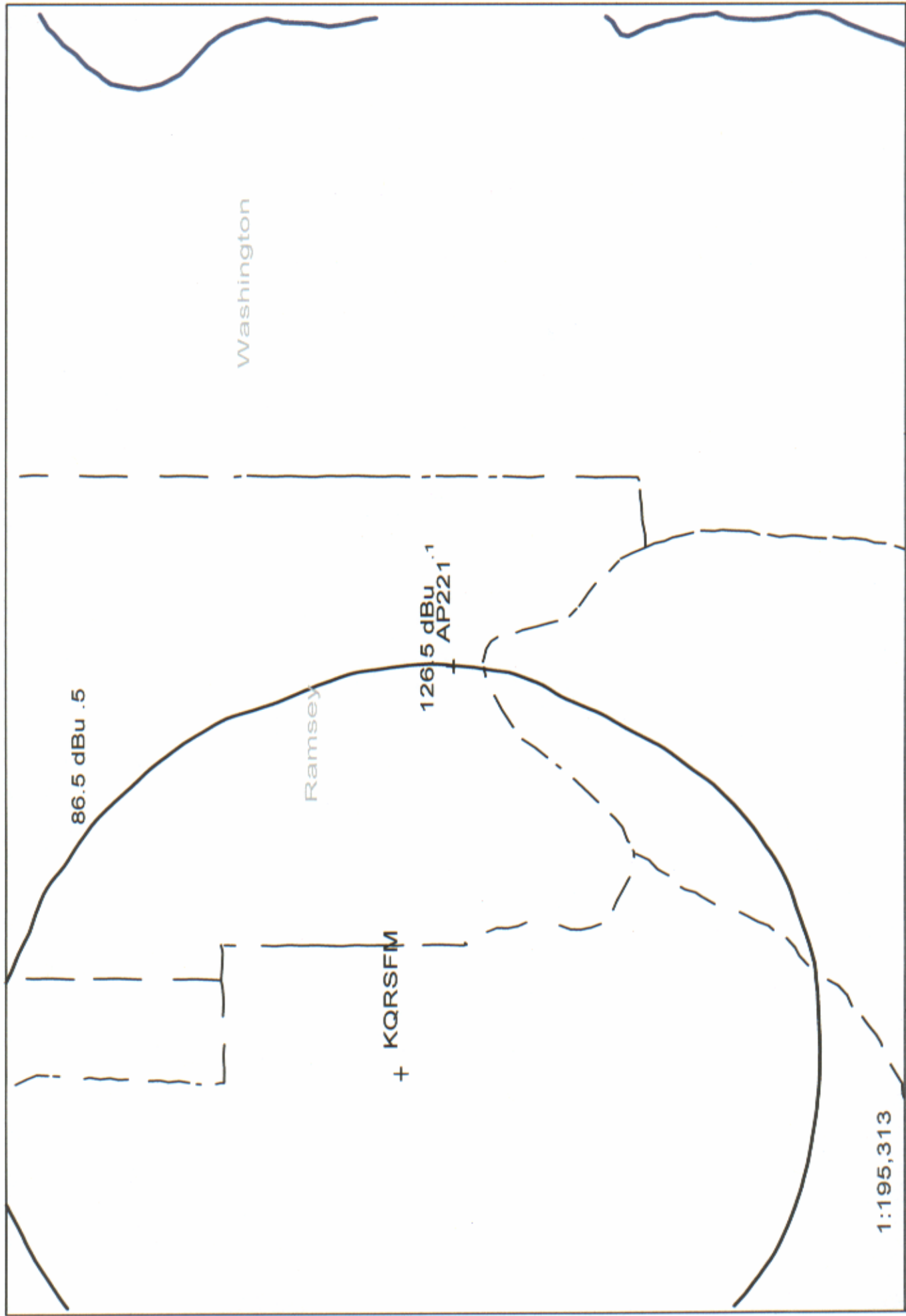
\*\*\*Affixed to 'IN' or 'Out' values = site inside protected contour.  
ERP and HAAT are on direct line to and from reference station.  
"«" = Station meets FCC minimum distance spacing for its class.

## **Exhibit 12 (Compliance with CFR 74.1204)**

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The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station KQRS, channel 223C, Golden Valley, MN. The predicted F(50-50) field strength of KQRS at the proposed translator site is 86.5 dBu, see Exhibit 12A. Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 126.5 dBu. This interfering contour extends less than 25 meters from the proposed transmit antenna, and the area of overlap does not reach the ground.

Therefore, EMF respectfully requests a waiver of C.F.R. 74.1204 based on no population within the area of predicted interference.



1:195,313

Scale in km



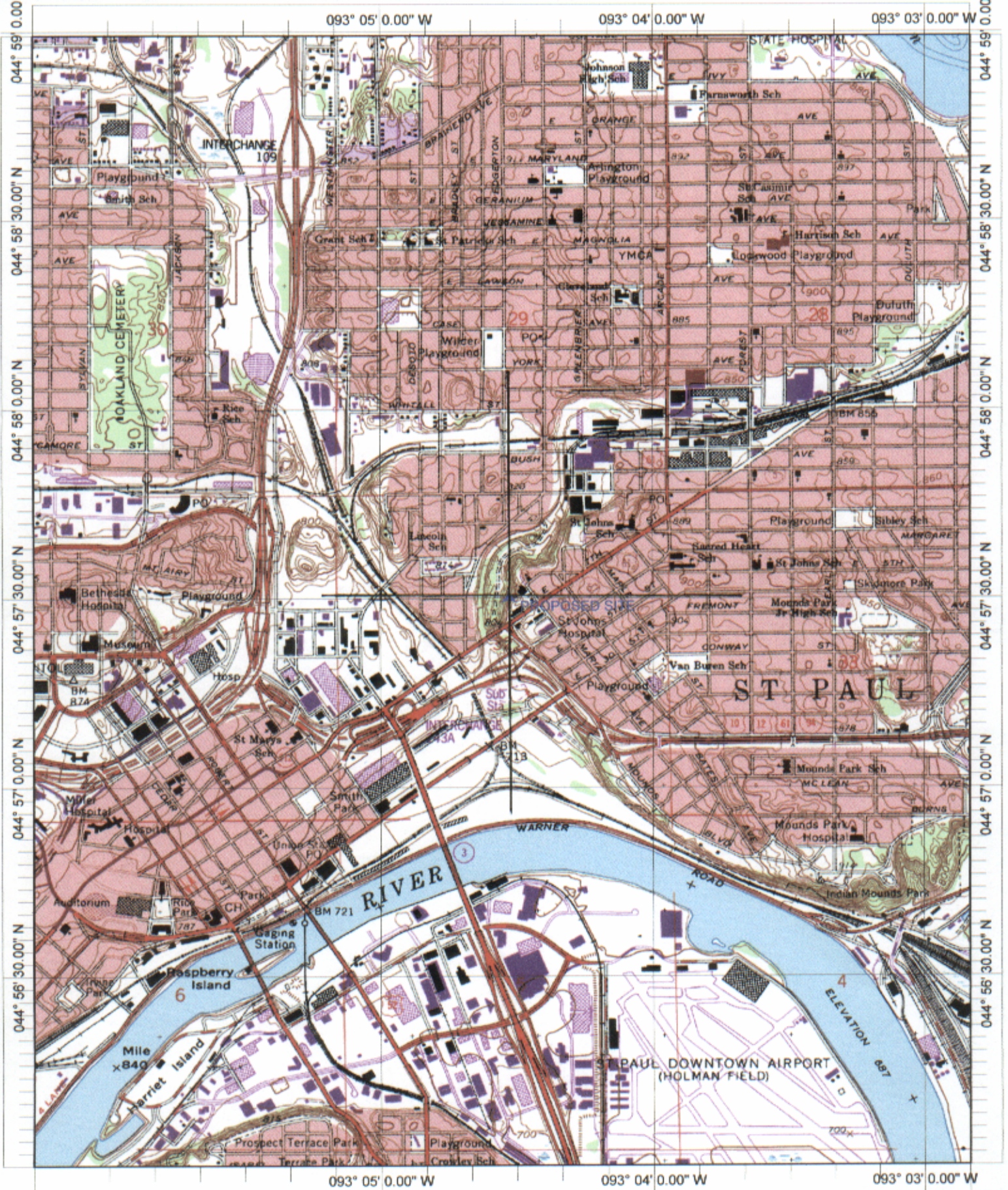
AP221 221D .055kW 287M AMSL

N. Lat. 44 57 30 W. Lng. 93 04 31

Exhibit 12A

EMF - 06/03





Name: ST PAUL EAST  
 Date: 8/13/2003  
 Scale: 1 inch equals 2000 feet

Location: 44° 57' 29.7" N 93° 04' 33.2" W  
 Caption: Exhibit 12 - Topo Map