

Exhibit 12  
Coons Rapids, MN

REFERENCE  
44 59 44 N  
93 26 56 W

CH# 260D - 99.9 MHz, Pwr= 0.17 kw, HAAT=127.1 M, COR= 392 M  
Average Protected F(50-50)= 13.13 km  
Ave. F(50-10) 40 dBu= 44.5 54 dBu= 19.7 80 dBu= 4.1 100 dBu= .9

DISPLAY DATES  
DATA 08-01-03  
SEARCH 08-12-03

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*
258C Minneapolis	KSJN	LIC MN CN	74.6 254.6	26.53 BLH19910814KH	45 03 30 93 07 27	100.000 317	593 0.9	73.6 Minnesota Public Radio	3.39	-48.02*
260D Coons Rapids	AP260	APP MN C	43.4 223.4	12.77 BNPFT20030317BFI	45 04 44 93 20 14	0.120 17	300 43.8	5.9 Educational Media Foundati	-19.66*	-36.95
262C1 Minneapolis	KJZI	LIC MN CY	74.6 254.6	26.53 BLH19930923KA	45 03 30 93 07 27	100.000 283	559 0.9	71.0 Amfm Radio Licenses, L.l.c	3.93	-45.37*
262C1 Minneapolis	KJZI.C	CP MN CX	74.6 254.6	26.53 BPH20000317ACA	45 03 30 93 07 27	89.000 317	593 0.9	72.5 Amfm Radio Licenses, L.l.c	3.70	-46.84*
260A St. Joseph	KCML	LIC MN C	317.3 137.3	82.68 BLH19980626KA	45 32 21 94 10 05	2.900 163	464 38.0	29.8 Leighton Enterprises Inc	-13.72	14.92
260C1 Austin	KAUSFM«	LIC MN CN	171.1 351.1	153.74 BLH4037	43 37 42 93 09 12	100.000 283	660 41.4	71.0 Three Eagles Of Luverne, I	-28.68	41.32
207C1 Northfield	WCAL	LIC MN CY	138.9 318.9	45.25 BLED19911203KB	44 41 19 93 04 22	100.000 220	516 12.5	65.7 St. Olaf College	22.0R	23.3M
260C3 Cornell	WDRK	LIC WI NC	84.2 264.2	161.50 BLH20010831AAY	45 07 22 91 24 23	25.000 96	422 44.0	38.3 Maverick Media Of Eau Clai	35.74	79.22

\*\*\*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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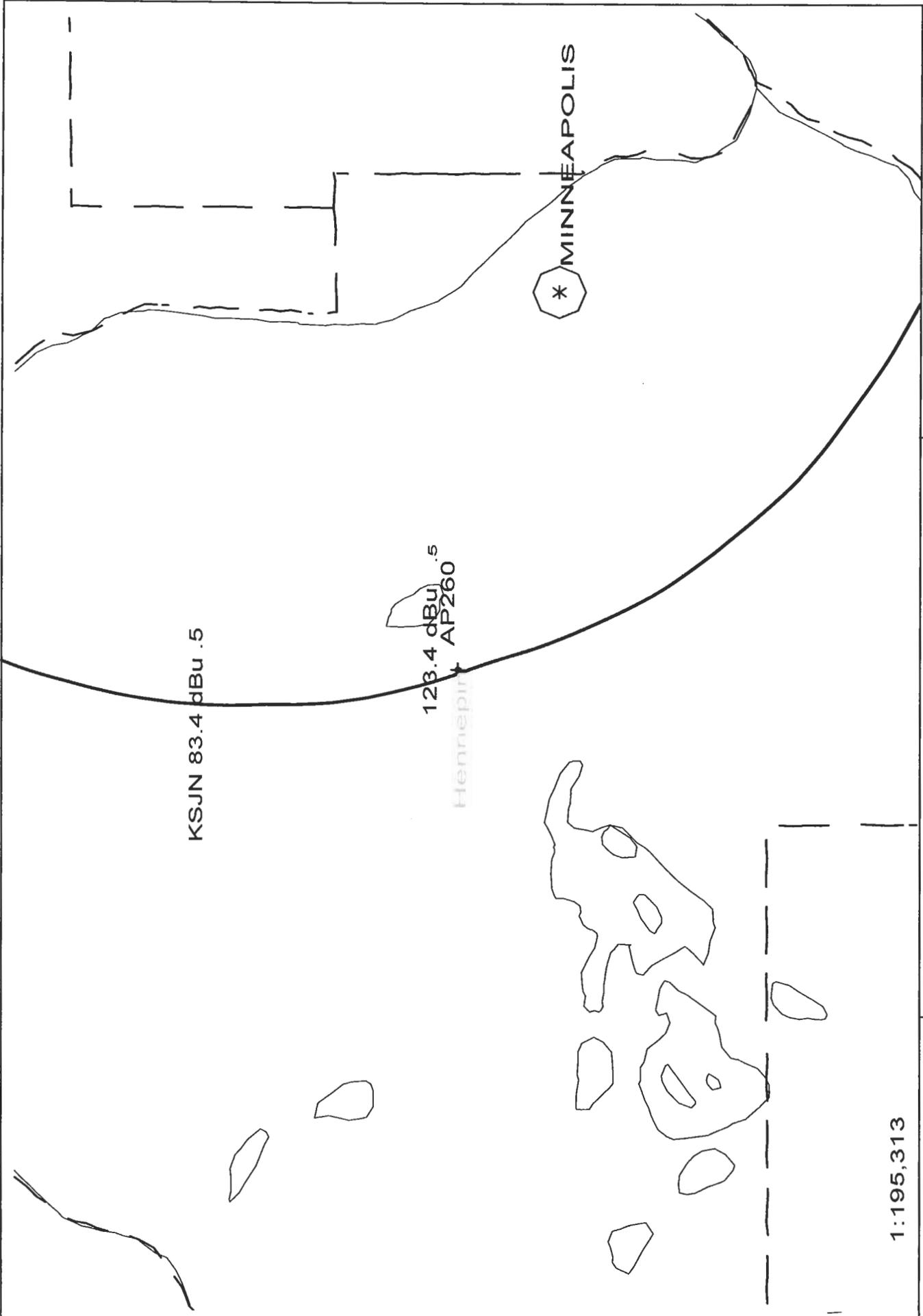
The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station KSJN, channel 258C, Minneapolis, MN. The predicted F(50-50) field strength of KSJN at the proposed translator site is 91.7 dBu, *see Exhibit 12A*. Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 131.7 dBu. This interfering contour extends less than 29 meters from the proposed transmit antenna, and the area of overlap does not reach the ground.

The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station KJZI, channel 262C1, Minneapolis, MN. The predicted F(50-50) field strength of KJZI at the proposed translator site is 90.8 dBu, *see Exhibit 12B*. Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 130.8 dBu. This interfering contour extends less than 32 meters from the proposed transmit antenna, and the area of overlap does not reach the ground.

The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station KJZI, channel 262C1, Minneapolis, MN. The predicted F(50-50) field strength of KJZI at the proposed translator site is 91 dBu, *see Exhibit 12B*. Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 131 dBu. This interfering contour extends less than 32 meters from the proposed transmit antenna, and the area of overlap does not reach the ground.

Examination of the USGS topographic map reveals no regularly occupied structures within the 32 meter interference aperture. The antenna will be mounted at 90 meters.

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

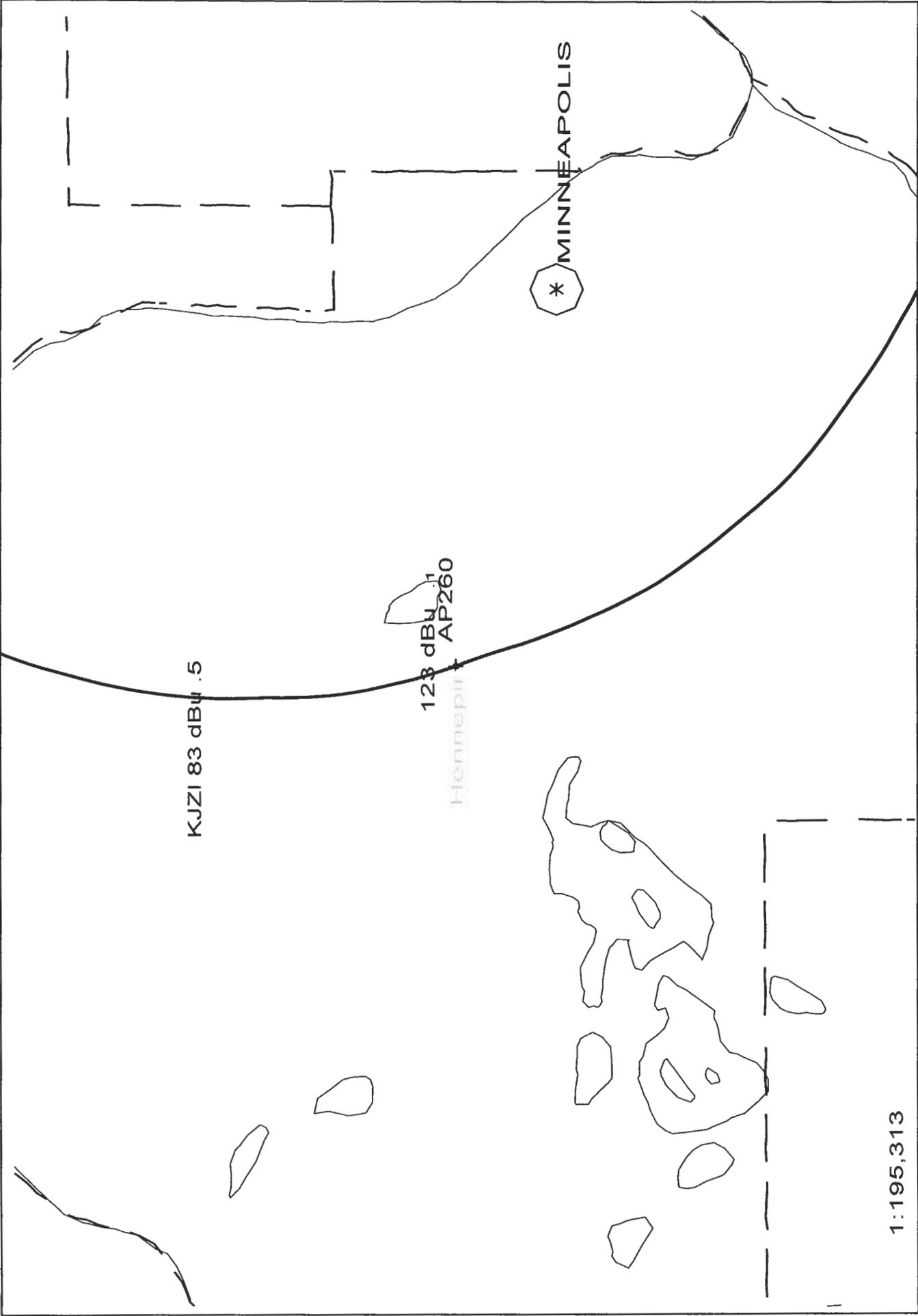


1:195,313



AP260 260D .17kW 392M AMSL  
 N. Lat. 44 59 44 W. Lng. 93 26 56

Exhibit 12A  
 - 08/03



1:195,313

Scale in km

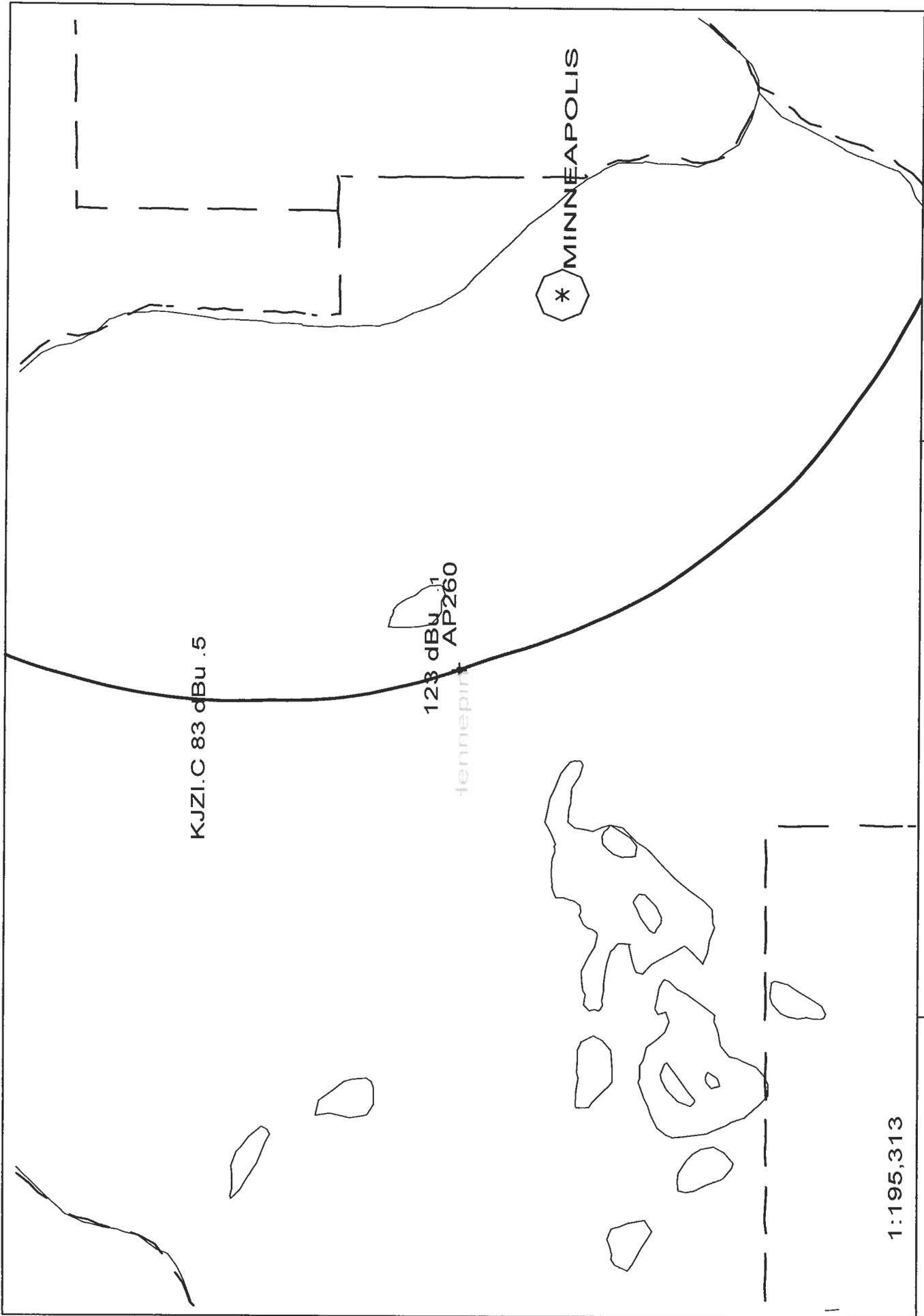


AP260 260D .17kW 392M AMSL

N. Lat. 44 59 44 W. Lng. 93 26 56

Exhibit 12B

- 08/03



KJZI.C 83 dBu .5

123 dBu .1  
AP260

\* MINNEAPOLIS

1:195,313



AP260 260D .17kW 392M AMSL  
N. Lat. 44 59 44 W. Lng. 93 26 56

Exhibit 12C  
- 08/03