

Exhibit 12  
Hutchinson, KS

REFERENCE CH# 228D - 93.5 MHz, Pwr= 0.055 kw, HAAT=68.9 M, COR= 527 M DISPLAY DATES  
38 03 21 N Average Protected F(50-50)= 7.31 km DATA 06-18-03  
97 57 54 W Ave. F(50-10) 40 dBu= 24.5 54 dBu= 10.5 80 dBu= 2.3 100 dBu= .5 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*
228D Hutchinson	AP228	APP KS	C 0.0 180.0	0.00 BNPFT20030317LUY	38 03 21 97 57 54	0.055 58	527 15.6	6.7 Educational Media Foundati	-27.36*	-22.31*
226C Pratt	KHMY	LIC KS	C 245.0 65.0	33.43 BLH20010123AAA	37 55 43 98 18 36	100.000 317	817 0.5	73.7 Eagle Radio, Inc.	17.25	-40.77*
228D Newton	AP228	APP KS	C 92.7 272.7	57.16 BNPFT20030317ADH	38 01 47 97 18 53	0.250 75	508 23.8	11.3 Bible Broadcasting Networ	11.60	22.11
228A Wellington	KWME	LIC KS	CN 151.1 331.1	103.21 BLH19980320KF	37 14 28 97 24 04	6.000 89	471 23.3	26.8 Johnson Enterprises, Inc.	11.46	53.10
229C1 Salina	KYEZ	LIC KS	CN 17.2 197.2	104.44 BLH6686	38 57 14 97 36 29	100.000 165	538 8.3	60.3 Ebc Inc.	8.48	35.84
230C3 Andover	KDGS	LIC KS	CN 131.3 311.3	73.74 BLH19931108KC	37 37 00 97 20 11	25.000 98	497 0.5	38.7 Entercom Wichita License,	62.40	34.48
228A Burdett	ALLO	VAC KS	276.8 96.8	137.62 RM	38 11 30 99 31 30	6.000 -636	0 19.6	15.8	63.42	102.28
228A Eureka	KOTE	LIC KS	CN 100.8 280.8	150.15 BLH19910304KC	37 47 29 96 17 25	3.000 71	439 24.3	20.5 Newwood Productions, L.p.	73.10	105.39

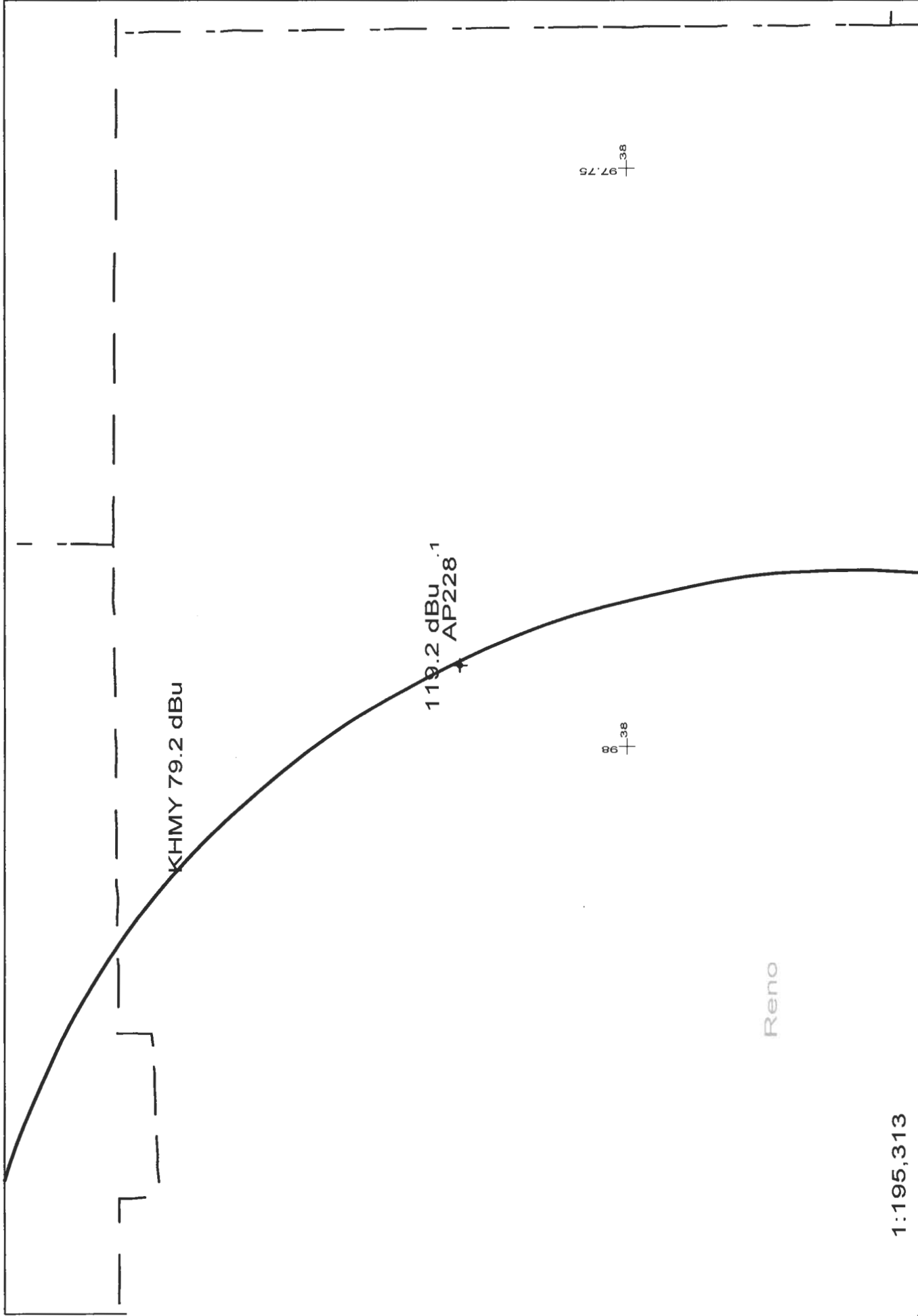
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"\*"Affixed to 'IN' or 'Out' values = site inside protected contour.  
ERP and HAAT are on direct line to and from reference station.

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

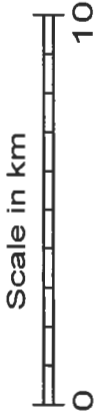
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The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station KHYM, channel 226C, Pratt, KS. The predicted F(50-50) field strength of KHYM at the proposed translator site is 79.2 dBu, see Exhibit 12A. Therefore, the respective predicted interfering contour generated by the proposed FM Translator is greater than 119.2 dBu. This interfering contour extends less than 57 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.



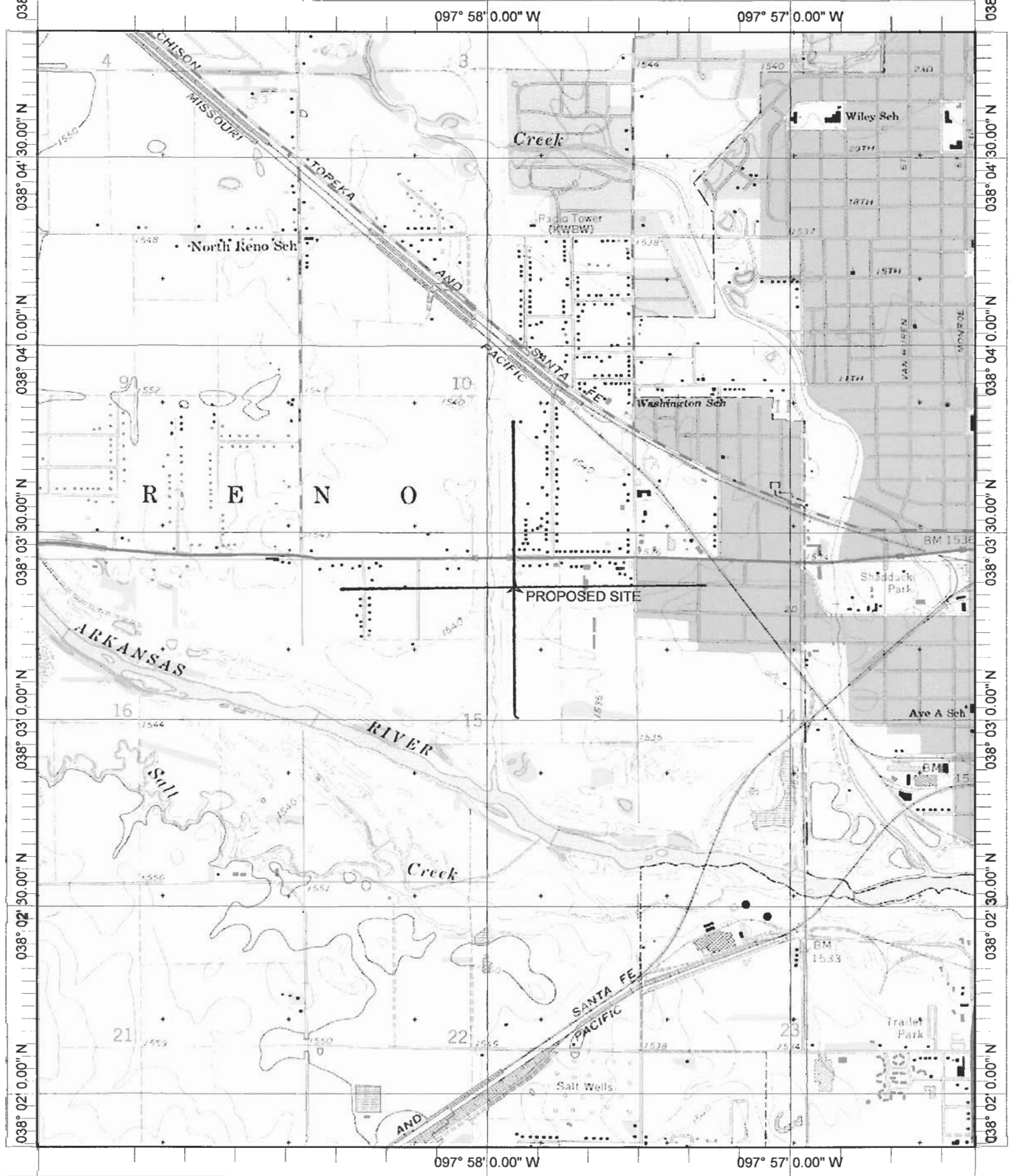
1:195,313



AP228 228D .055kW 527M AMSL  
N. Lat. 38 03 21 W. Lng. 97 57 54

Exhibit 12A  
- 05/03





Name: HUTCHINSON  
Date: 8/19/2003  
Scale: 1 inch equals 2000 feet

Location: 038° 03' 20.9" N 097° 57' 56.3" W  
Caption: Exhibit 12 - Topo map