

Name: LAS VEGAS NW  
 Date: 9/4/2003  
 Scale: 1 inch equals 2000 feet

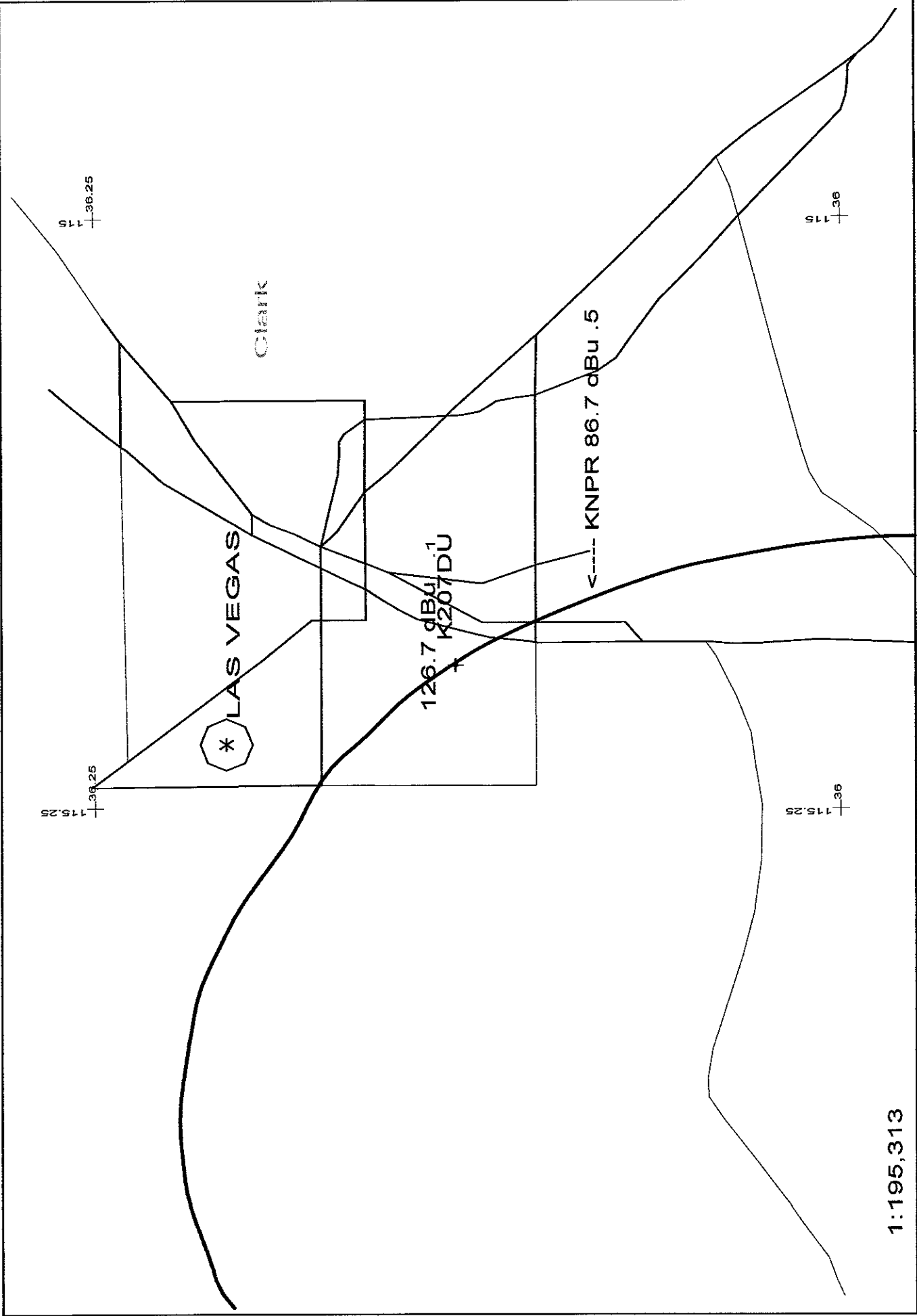
Caption: Exhibit 12  
 Site 36-07-44 / 115-11-21

Exhibit 12  
Spring Valley, NV

REFERENCE 36 07 44 N 115 11 21 W	CH# 207D - 89.3 MHz, Pwr= 0.075 kw, HAAT=183.7 M, COR= 755 M Average Protected F(50-50)= 13.02 km Ave. F(50-10) 40 dBu= 43.0 54 dBu= 19.5 80 dBu= 3.8 100 dBu= .6	DISPLAY DATES DATA 01-29-04 SEARCH 02-02-04
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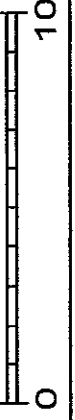
CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kw) HAAT(M)	COR(M) INT(km)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
207D Spring Valley	K207DU	CP C NV	0.0 180.0	0.00 BPFT20030909ACO	36 07 44 115 11 21	0.050 95	792 29.2	8.4 Educational Media Foundati	-36.92*	-37.64*
205C Las Vegas	KNPR.C	CP CX NV	237.5 57.5	33.39 BMPED20030214AAC	35 58 02 115 30 06	24.700 1373	2573 0.6	95.7 Nevada Public Radio Corpor	18.16	-62.94*
209C2 Las Vegas	KCNV.C	CP CN NV	325.9 145.9	27.47 BPED20010830ADB	36 20 00 115 21 41	34.000 254	1074 0.6	58.2 Nevada Public Radio Corpor	14.40	-31.31*
209C2 Las Vegas	KCNV	LIC DC NV	237.2 57.2	33.41 BLEB20031205AFP	35 57 57 115 30 03	0.550 1370	2570 0.6	55.5 Nevada Public Radio Corpor	26.58	-22.66*
206D Spring Valley	K207DU	LIC C NV	0.0 180.0	0.00 BLFT20001115ABG	36 07 44 115 11 21	0.041 95	792 12.3	8.0 Educational Media Foundati	-20.10*	-20.34*
204D Boulder City And He	K204AQ	LIC HN NV	116.7 296.7	32.90 BLFT19850424TC	35 59 45 114 51 46	0.075 498	1121 0.6	21.6 Nevada Public Radio Corpor	19.74	10.69
204D Pahrump	K204AN	LIC DHN NV	237.5 57.5	33.29 BLFT19850708TD	35 58 04 115 30 03	0.000 1402	2596 0.6	0.0 Nevada Public Radio Corpor	28.05	32.68
204D Indian Springs	K204AP	LIC HN NV	322.7 142.7	65.27 BLFT19850708TF	36 35 42 115 37 58	0.840 129	1151 0.6	20.2 Nevada Public Radio Corpor	57.99	44.48
210C Bullhead City	981023	APP DVN AZ	133.4 313.4	164.17 BPED19981023MO	35 06 28 113 52 40	25.724 1023	2382 0.6	90.3 Csn International	143.28	73.22
06NT Indian Springs	K06KE	LI DHN NV	322.7 142.7	65.27 BLTTV19810325JE	36 35 42 115 37 58	0.000 112	1134 180.0	0.0 Indian Springs Civic Assoc	To Grd B=	43.77

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



1:195,313

Scale in km



K207DU 207D .075kW 755M AMSL

N. Lat. 36 07 44 W. Lng. 115 11 21

Exhibit 12A

- 02/04

## **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 KNPR.C, channel 205C, Las Vegas, NV. The predicted F(50-50) field strength of KNPR.C at the proposed translator site is 86.7 dBu, see Exhibit 12A. Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 126.7 dBu. This interfering contour extends less than 28 meters from the proposed transmit antenna, and the area of overlap does not reach the ground (the antenna will be mounted at the 98 meter level on a 657 meter tower).

To confirm the absence of population within the interference aperture, EMF has examined the attached topographic map, which indicates a lack of structures near the proposed tower, and therefore no structure which could be tall enough to enter the 28-meter interference aperture.

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



## **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 KCVN.C, channel 209C2, Las Vegas, NV. The predicted F(50-50) field strength of KCVN.C at the proposed translator site is 76.2 dBu, *see Exhibit 12B*. Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 116.2 dBu. This interfering contour extends less than 94 meters from the proposed transmit antenna, and the area of overlap does not reach the ground (the antenna will be mounted at the 94 meter level on a 657 meter tower).

To confirm the absence of population within the interference aperture, EMF has examined the attached topographic map, which indicates a lack of structures near the proposed tower, and therefore no structure which could be tall enough to enter the 94-meter interference aperture.

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