

Exhibit 12  
Spring Valley, NV

REFERENCE  
36 07 44 N  
115 11 21 W

CH# 207D - 89.3 MHz, Pwr= 0.05 kw, HAAT=220.7 M, COR= 792 M  
Average Protected F(50-50)= 12.88 km  
Ave. F(50-10) 40 dBu= 42.9 54 dBu= 19.3 80 dBu= 3.6 100 dBu= .5

DISPLAY DATES  
DATA 09-04-03  
SEARCH 09-04-03

| 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*   |
|--------------------------|--------|------------|--------------------|---------------------------|-----------------------|-----------------|----------------|-----------------------------------|----------------------|---------|
| 208C Las Vegas           | KNPR   | LIC NV     | CY 148.2<br>328.2  | 23.73<br>BLED19890906KA   | 35 56 50<br>115 03 01 | 100.000<br>560  | 1256<br>14.3   | 90.2<br>Nevada Public Radio       | -120.93              | -80.69* |
| 205C Las Vegas           | KCNV.C | CP NV      | CX 237.5<br>57.5   | 33.39<br>BMPED20030214AAC | 35 58 02<br>115 30 06 | 24.700<br>1373  | 2573<br>0.5    | 95.7<br>Nevada Public Radio       | 18.69                | -62.83* |
| 209C2 Las Vegas          | KNPR.C | CP NV      | CN 325.9<br>145.9  | 27.47<br>BPED20010830ADB  | 36 20 00<br>115 21 41 | 34.000<br>254   | 1074<br>0.5    | 58.2<br>Nevada Public Radio       | 12.92                | -31.20* |
| 209C2 Las Vegas          | KNPR.C | CP NV      | DCX 237.2<br>57.2  | 33.41<br>BMPED20030214AAB | 35 57 57<br>115 30 03 | 0.550<br>1370   | 2570<br>0.5    | 55.5<br>Nevada Public Radio       | 27.11                | -22.55* |
| 206D Spring Valley       | K206CP | LIC NV     | C 0.0<br>180.0     | 0.00<br>BLFT20001115ABG   | 36 07 44<br>115 11 21 | 0.041<br>95     | 792<br>13.3    | 8.0<br>Educational Media Foundati | -20.84*              | -21.33* |
| 204D Boulder City And He | K204AQ | LIC NV     | HN 116.7<br>296.7  | 32.90<br>BLFT19850424TC   | 35 59 45<br>114 51 46 | 0.075<br>498    | 1121<br>0.5    | 21.6<br>Nevada Public Radio       | 19.79                | 10.80   |
| 204D Pahrump             | K204AN | LIC NV     | DHN 237.5<br>57.5  | 33.29<br>BLFT19850708TD   | 35 58 04<br>115 30 03 | 0.000<br>1402   | 2596<br>0.5    | 0.0<br>Nevada Public Radio        | 28.58                | 32.79   |
| 204D Indian Springs      | K204AP | LIC NV     | HN 322.7<br>142.7  | 65.27<br>BLFT19850708TF   | 36 35 42<br>115 37 58 | 0.840<br>129    | 1151<br>0.5    | 20.2<br>Nevada Public Radio       | 56.35                | 44.59   |
| 210C Bullhead City       | 981023 | APP AZ     | DVN 133.4<br>313.4 | 164.17<br>BPED1981023MO   | 35 06 28<br>113 52 40 | 25.724<br>1023  | 2382<br>0.5    | 90.3<br>Csn International         | 142.93               | 73.33   |
| 06NT Indian Springs      | K06KE  | LI NV      | DHN 322.7<br>142.7 | 65.27<br>BLTTV19810325JE  | 36 35 42<br>115 37 58 | 0.000<br>112    | 1134<br>180.1  | 0.0<br>Indian Springs Civic Assoc | To Grd B=            | 43.77   |

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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 KCVN, channel 205C, Las Vegas, NV. The predicted F(50-50) field strength of KCVN 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 23 meters from the proposed transmit antenna, and the area of overlap does not reach the ground.

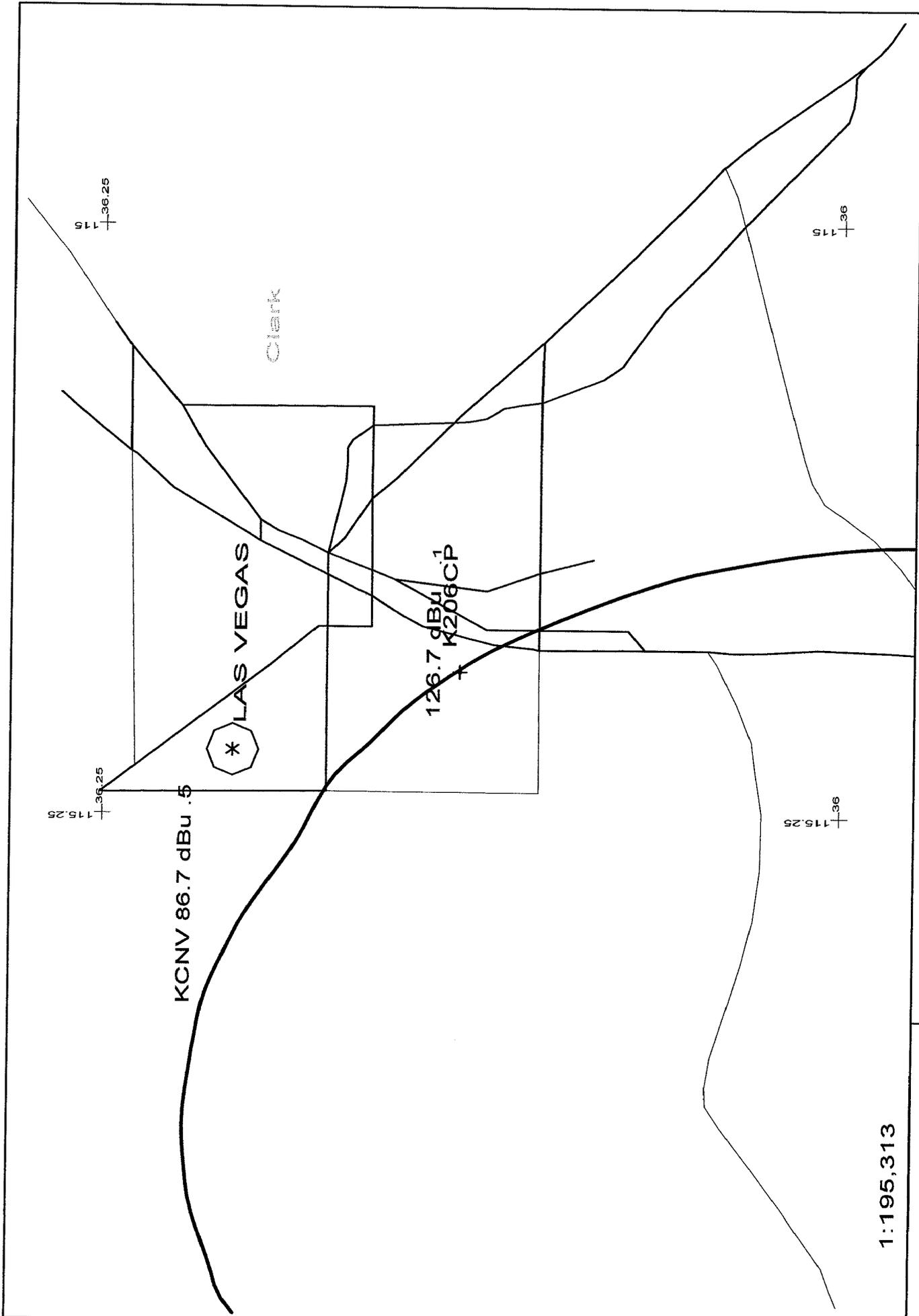
The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station KNPR, channel 209C2, Las Vegas, NV. The predicted F(50-50) field strength of KNPR at the proposed translator site is 76.1 dBu, *see Exhibit 12B*. Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 116.1 dBu. This interfering contour extends less than 78 meters from the proposed transmit antenna, and the area of overlap does not reach the ground.

Two factors have been investigated to determine this absence of population:

1) Computer software which uses the centroid method of determining population centers, based on the 2000 census data, has determined that there are no persons within the area of overlap.

2) Examination of the USGS topographic map reveals no regularly occupied structures within the 78 meters interference aperture. The antenna will be mounted at 135 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

Scale in km

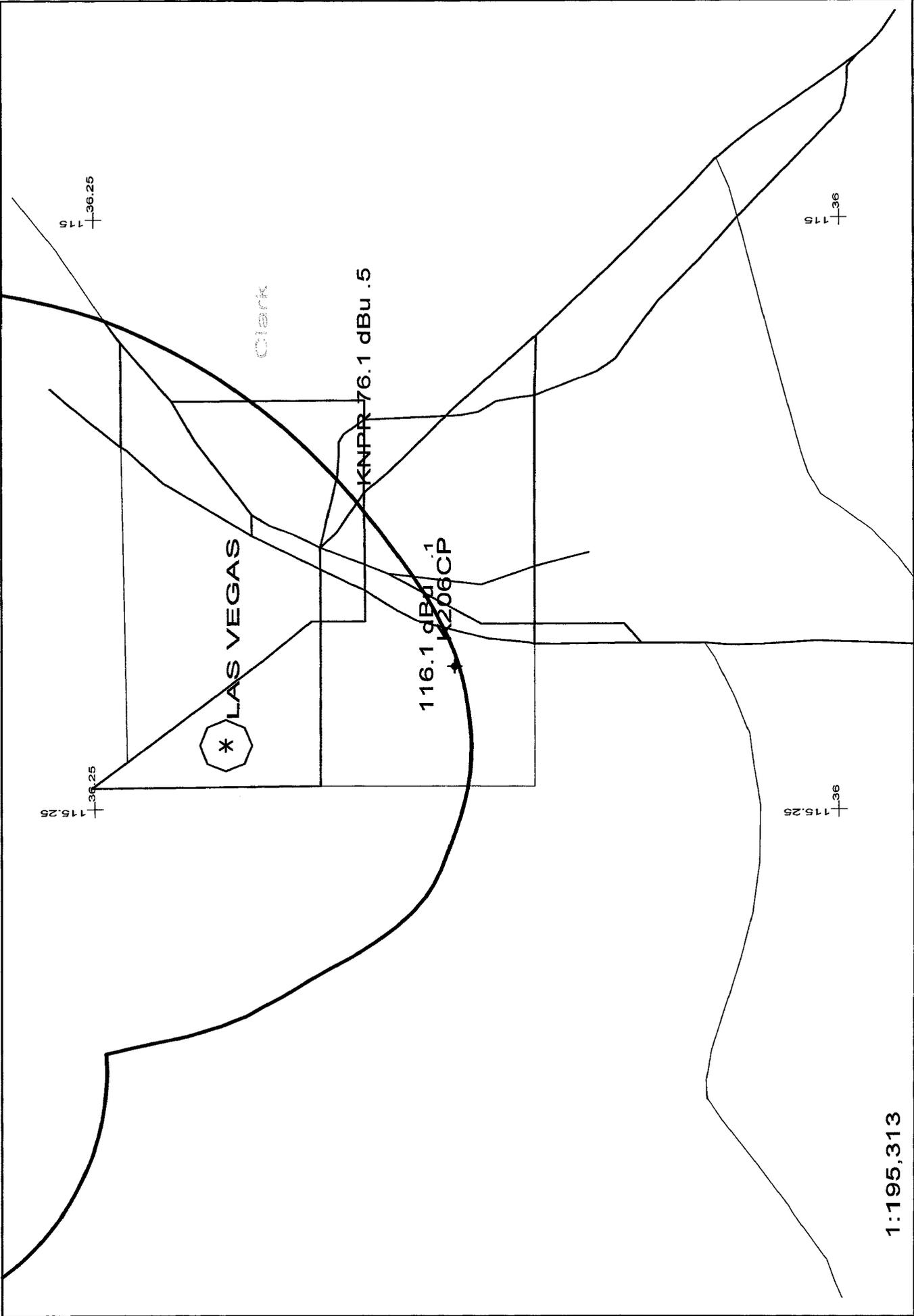
0 10

K206CP 207D .05kW 792M AMSL

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

Exhibit 12A

- 09/03



1:195,313



Scale in km

K206CP 207D .05kW 792M AMSL  
 N. Lat. 36 07 44 W. Lng. 115 11 21

Exhibit 12B  
 - 09/03