Interference Study

The proposed translator complies with all requirements of Section 74.1204 of the Commission's rules.

Page 2 of this Exhibit contains a Channel Study showing the relationship of the proposed translator to other co-channel, 1st, 2nd, & 3rd adjacent channel stations, and to stations separated by 53/54 channels.

Page 3 of this Exhibit contains a tabulation of the 12 radials with the corresponding HAAT's and distance to the 60 dBu contour.

Page 4 of this Exhibit contains a coverage map of the proposed 60 dBu contour.

Interference Study

```
REFERENCE              CH#  294D  - 106.7 MHz, Pwr= 0.14  kW,  HAAT=0.0 M,  COR= 1496 M
44 14 53 N                        Average Protected F(50-50)= 6.13 km
105 29 40 W            Ave. F(50-10) 40 dBu= 20.4  54 dBu= 8.8  80 dBu= 2.0 100 dBu= .8
---------------------------------------------------------------------------------------
CH    CALL         TYPE      AZI.    DIST            LAT.        Pwr(kW) COR(M)  PRO(km)   *IN*     *OUT*
CITY               STATE     <--     FILE #          LNG.        HAAT(M) INT(km) LICENSEE  (Overlap in km)
---------------------------------------------------------------------------------------
294D  AP294        APP   C   0.0     0.00            44 14 53    0.140   1496    7.4      -37.75*   -50.73*
Gillette           WY        180.0  BNPFT20030317KFU 105 29 40   45              43.3  Family Stations, Inc.

297C  KSLT         LIC   CY  85.6    132.82          44 19 42    100.000 2290    86.7     109.33     45.29
Spearfish          SD        265.6  BLH20000609ABG   103 50 03   500             0.8   Bethesda Christian Broadca

---------------------------------------------------------------------------------------
"*"Affixed to 'IN' or 'Out' values = site inside protected contour.
ERP and HAAT are on direct line to and from reference station.
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Interference Study
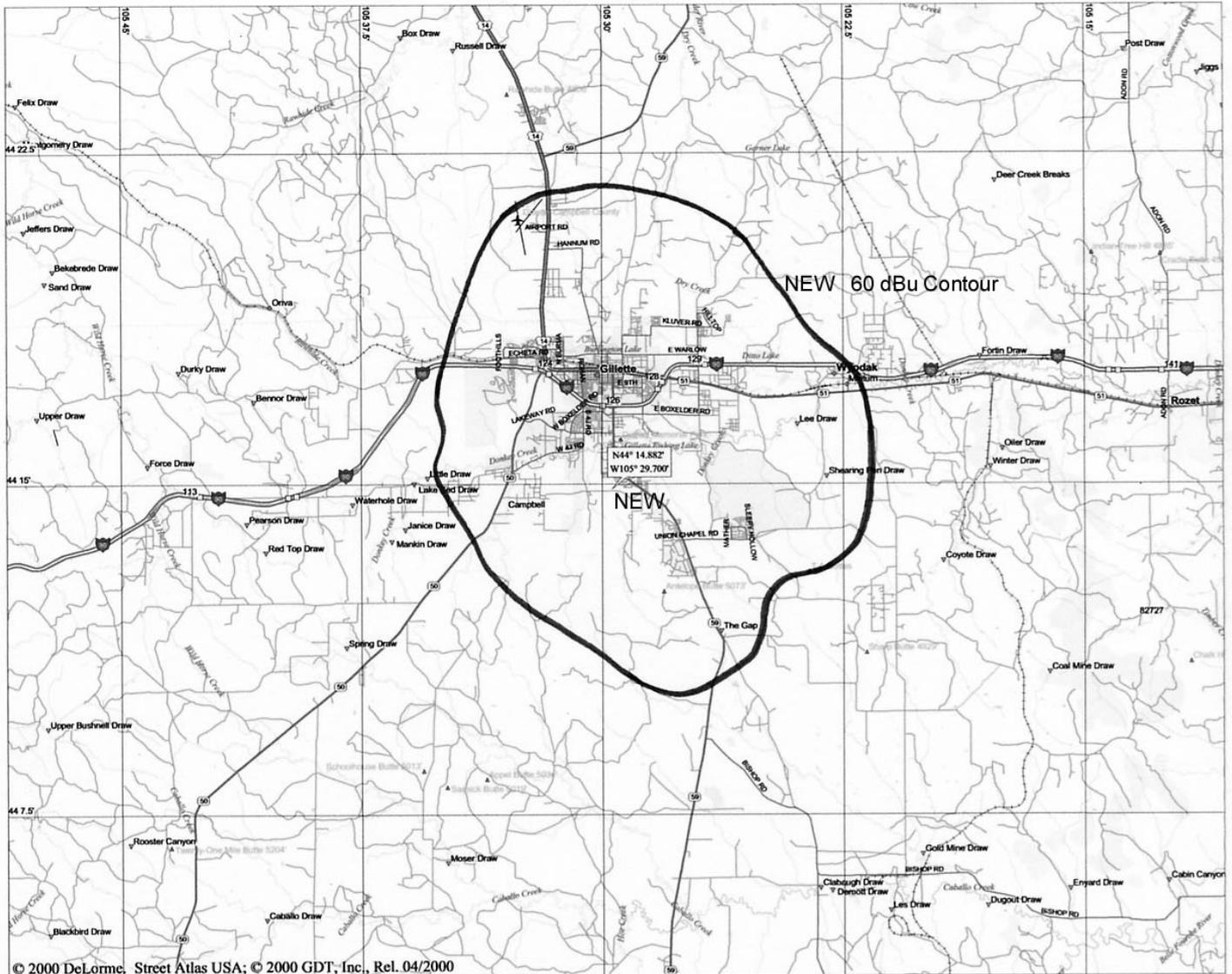
```
44 14 53
105 29 40

ERP = .14 kW,-8.539 dBk       FM - 2-6 Tables
Radial      HAAT      kW        dBk      Field    60 dBu.5
-------------------------------------------------------
  0 Degs.   133.0M    0.140    -8.539    1.000       12.8
 30 Degs.   116.0M    0.140    -8.539    1.000       12.0
 60 Degs.    93.9M    0.140    -8.539    1.000       10.9
 90 Degs.    93.9M    0.140    -8.539    1.000       10.9
120 Degs.    51.0M    0.140    -8.539    1.000        8.0
150 Degs.    66.2M    0.140    -8.539    1.000        9.2
180 Degs.    44.6M    0.140    -8.539    1.000        7.4
210 Degs.    29.9M    0.140    -8.539    1.000        6.1
240 Degs.    21.6M    0.140    -8.539    1.000        6.1
270 Degs.    38.8M    0.140    -8.539    1.000        6.9
300 Degs.    55.9M    0.140    -8.539    1.000        8.4
330 Degs.    99.1M    0.140    -8.539    1.000       11.1
-------------------------------------------------------
Ave. HAAT=  70.3M,  Ant. COR=1496.0M AMSL
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Interference Study