

Exhibit 12  
Ellendale, TN

REFERENCE CH# 249D - 97.7 MHz, Pwr= 0.019 kW, HAAT=115.1 M, COR= 195 M DISPLAY DATES  
35 08 37 N Average Protected F(50-50)= 7.32 km DATA 02-28-05  
89 48 22 W Ave. F(50-10) 40 dBu= 24.5 54 dBu= 10.3 80 dBu= 2.1 100 dBu= .3 SEARCH 03-03-05

| CH<br>CITY          | CALL<br>CITY | TYPE<br>STATE | AZI.<br><--    | DIST<br>FILE #           | LAT.<br>LNG.         | Pwr (kW)<br>HAAT (M) | COR (M)<br>INT (km) | PRO (km)<br>LICENSEE               | *IN*<br>(Overlap in km) | *OUT*   |
|---------------------|--------------|---------------|----------------|--------------------------|----------------------|----------------------|---------------------|------------------------------------|-------------------------|---------|
| 251C1<br>Millington | WSRREFM      | LIC C<br>TN   | 309.4<br>129.4 | 1.90<br>BLH20001018ACK   | 35 09 16<br>89 49 20 | 100.000<br>270       | 358<br>9.6          | 69.9<br>Citadel Broadcasting Compa | -14.91*                 | -68.31* |
| 249D<br>Ellendale   | W249BN       | CP C<br>TN    | 1.3<br>181.3   | 6.60<br>BNPFT20030807ABM | 35 12 11<br>89 48 16 | 0.010<br>246         | 338<br>30.5         | 9.2<br>Educational Media Foundati  | -31.09*                 | -26.73* |
| 246C1<br>Memphis    | WHRK         | LIC CN<br>TN  | 292.4<br>112.4 | 23.27<br>BLH5591         | 35 13 23<br>90 02 33 | 100.000<br>162       | 238<br>7.4          | 60.0<br>Clear Channel Broadcasting | 8.41                    | -37.06* |
| 249C2<br>Trenton    | WTNEFM«      | APP CX<br>TN  | 50.7<br>230.7  | 106.08<br>BPH20031229ACC | 35 44 40<br>88 53 50 | 50.000<br>154        | 269<br>138.3        | 52.8<br>Gibson County Broadcasting | -38.81                  | 31.42   |
| 249C1<br>Augusta    | KJSMFM«      | CP CX<br>AR   | 271.9<br>91.9  | 144.99<br>BPH20020222AAT | 35 10 36<br>91 23 49 | 100.000<br>139       | 196<br>153.1        | 57.0<br>Family Worship Center Chur | -15.42                  | 63.37   |
| 249C1<br>Augusta    | AL249«       | RSV<br>AR     | 271.9<br>91.9  | 144.99                   | 35 10 36<br>91 23 49 | 100.000<br>83        | 140<br>143.5        | 47.5                               | -5.86                   | 72.90   |
| 249C2<br>Trenton    | WTNEFM«      | RSV<br>TN     | 42.0<br>222.0  | 118.33                   | 35 55 51<br>88 55 33 | 50.000<br>96         | 198<br>129.9        | 44.0<br>Grace Broadcasting Service | -17.99                  | 52.87   |
| 249C2<br>Trenton    | WTNEFM«      | LIC NCX<br>TN | 37.4<br>217.4  | 132.34<br>BLH20040330ARZ | 36 05 10<br>88 54 39 | 49.000<br>91         | 198<br>128.7        | 43.0<br>Grace Broadcasting Service | -2.77                   | 67.85   |
| 248C1<br>Oxford     | WWMS         | LIC CN<br>MS  | 151.1<br>331.1 | 123.53<br>BLH19850712KC  | 34 10 05<br>89 09 23 | 100.000<br>287       | 422<br>103.8        | 71.3<br>San Dow Broadcasting, Inc. | 12.82                   | 42.45   |

ERP and HAAT are on direct line to and from reference station.  
 "\*\*Affixed to 'IN' or 'Out' values = site inside protected contour.  
 "«" = Station meets FCC minimum distance spacing for its class.

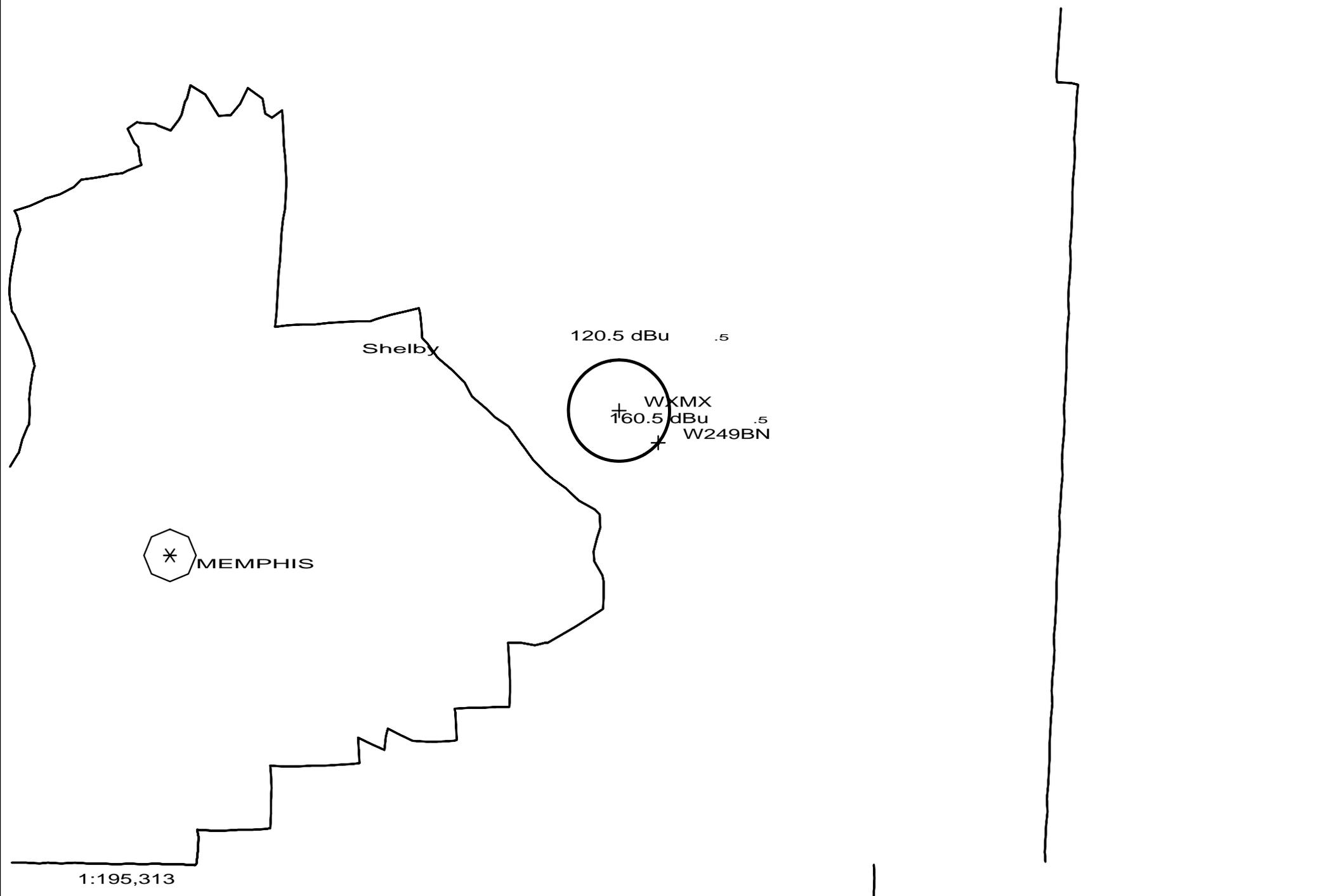
**Request for Waiver of C.F.R. 74.1204**

The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station WSRR-FM (WXMN), channel 251C1, Millington, TN. The predicted F(50,50) field strength of WSRR-FM (WXMN) at the proposed translator site is 120.5 dBu (see Exhibit 12-A). Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 160.5 dBu. This interfering contour extends less than 0.3 meters from the proposed transmit antenna, and the area of overlap is unpopulated.

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

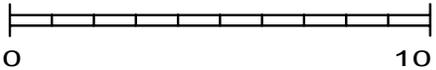
1. Computer software which uses the centroid method of determining population centers, based on the 2000 Census data, has determined that there are no persons within the area of overlap.
2. Examination of the USGS topographic map reveals no regularly occupied structures within the area of overlap.

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



W249BN 249D .019kW 195M AMSL

N. Lat. 35 08 37 W. Lng. 89 48 22

Exhibit 12-A

EMF - 08/05

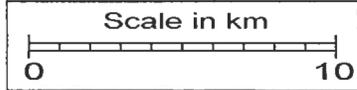
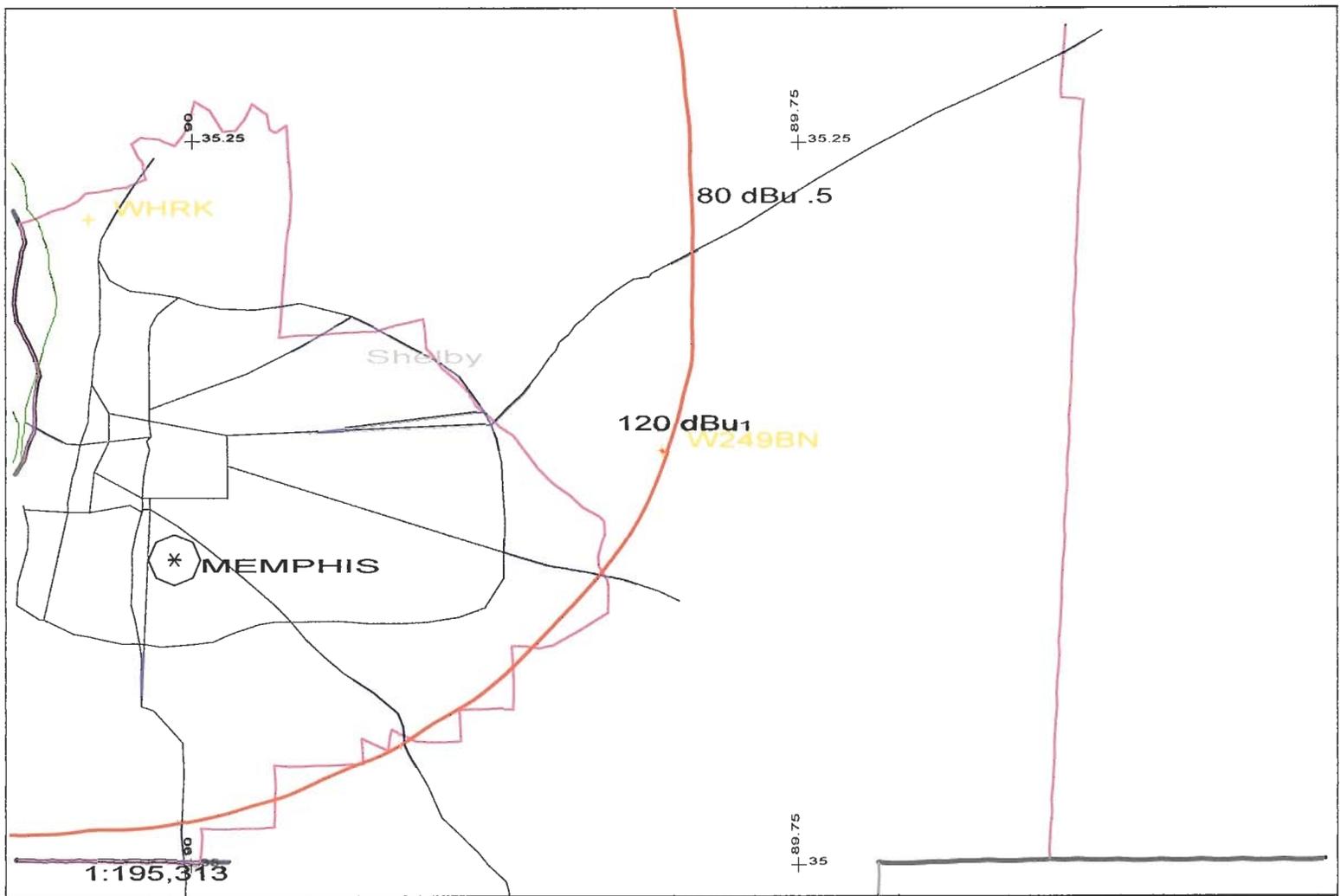
## Exhibit 12 (Compliance with CFR 74.1204)

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The proposed FM Translator is located within the protected 60 dBu contour of third adjacent channel station WHRK, channel 246C1, Memphis, TN. The predicted F(50-50) field strength of WHRK at the proposed translator site is 80 dBu, *see Exhibit 12A*. Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 120 dBu. This interfering contour extends less than 31 meters from the proposed transmit antenna, and the area of overlap does not reach the ground (the antenna will be mounted at the 100 meter level on a 140 meter tower).

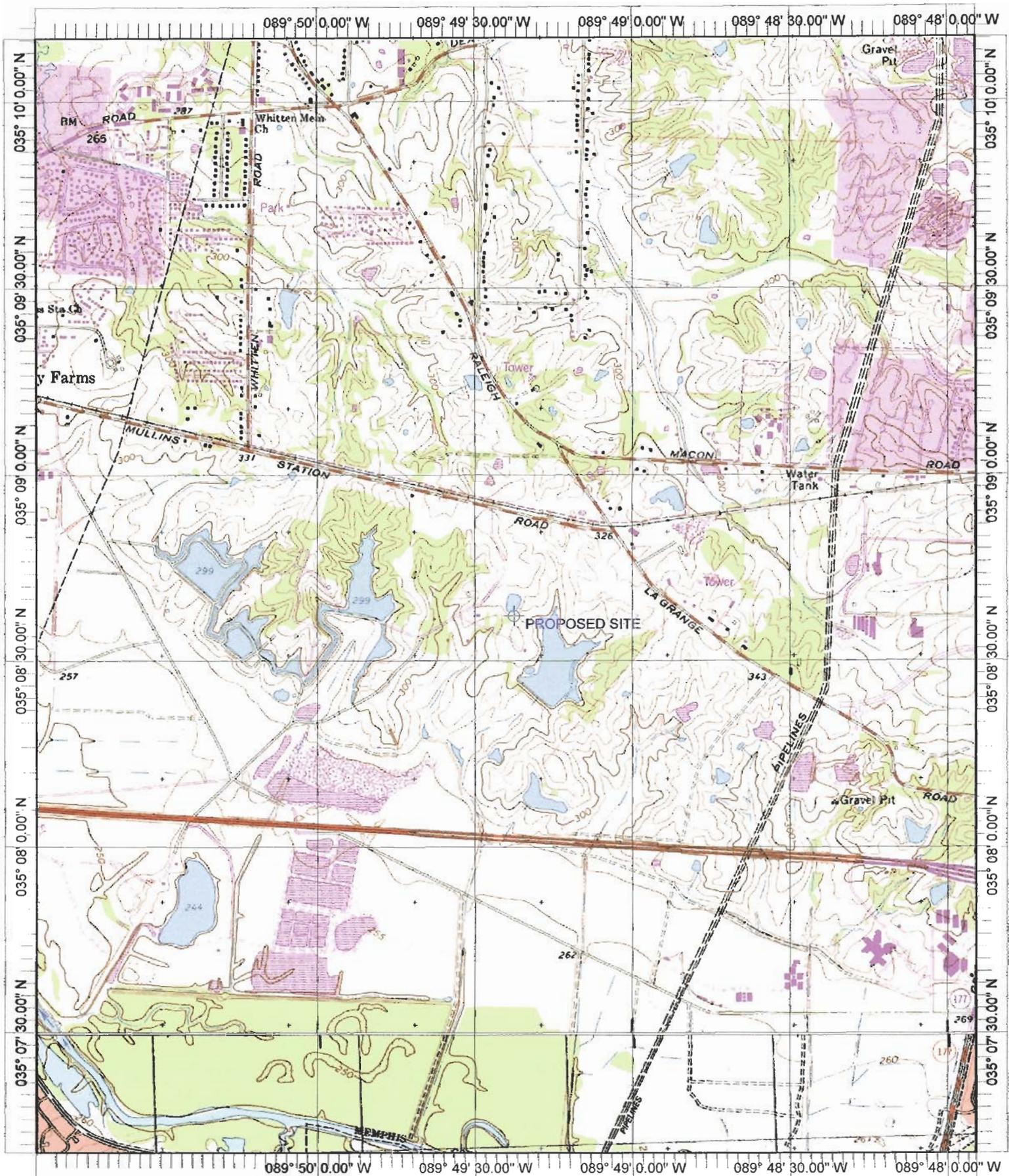
To confirm the absence of population within the interference aperture, EMF has examined the attached topographic map, which indicates a lack of structures near the proposed tower, and therefore no structure which could be tall enough to enter the 31-meter interference aperture.

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



W249BN 249D .019kW 195M AMS  
N. Lat. 35 08 37 W. Lng. 89 48 22

Exhibit 12B  
EMF - 03/05



Name: ELLENDALE  
 Date: 3/3/2005  
 Scale: 1 inch equals 2000 feet

Location: 035° 08' 40.5" N 089° 49' 24.1" W  
 Caption: Exhibit 12  
 Site at 35-08-37 / 89-48-22

Tower ID: 1059943

Coordinates (NAD27): 35-08-36.68 N, 089-48-21.69 W

Coordinates (NAD83): 35-08-37 N, 089-48-22 W

Status: Constructed

Structure Type: TOWER

Action Date: 02/26/2005

Construction Date: 06/23/2000

Location: CITY OF, MEMPHIS, TN

Height (AG): 140.20 m, Elevation: 95.40 m, Structure Height: 140.20 m

Circular Number: 70/7460-IJ

FAA Number: 98-ASO-5432-OE    FAA Chapter: 4, 6, 13

Owner: Pinnacle Towers LLC

Address:

301 North Cattlemen Road, Suite 300

Sarasota, FL 34232

Phone: (941) 364-8886

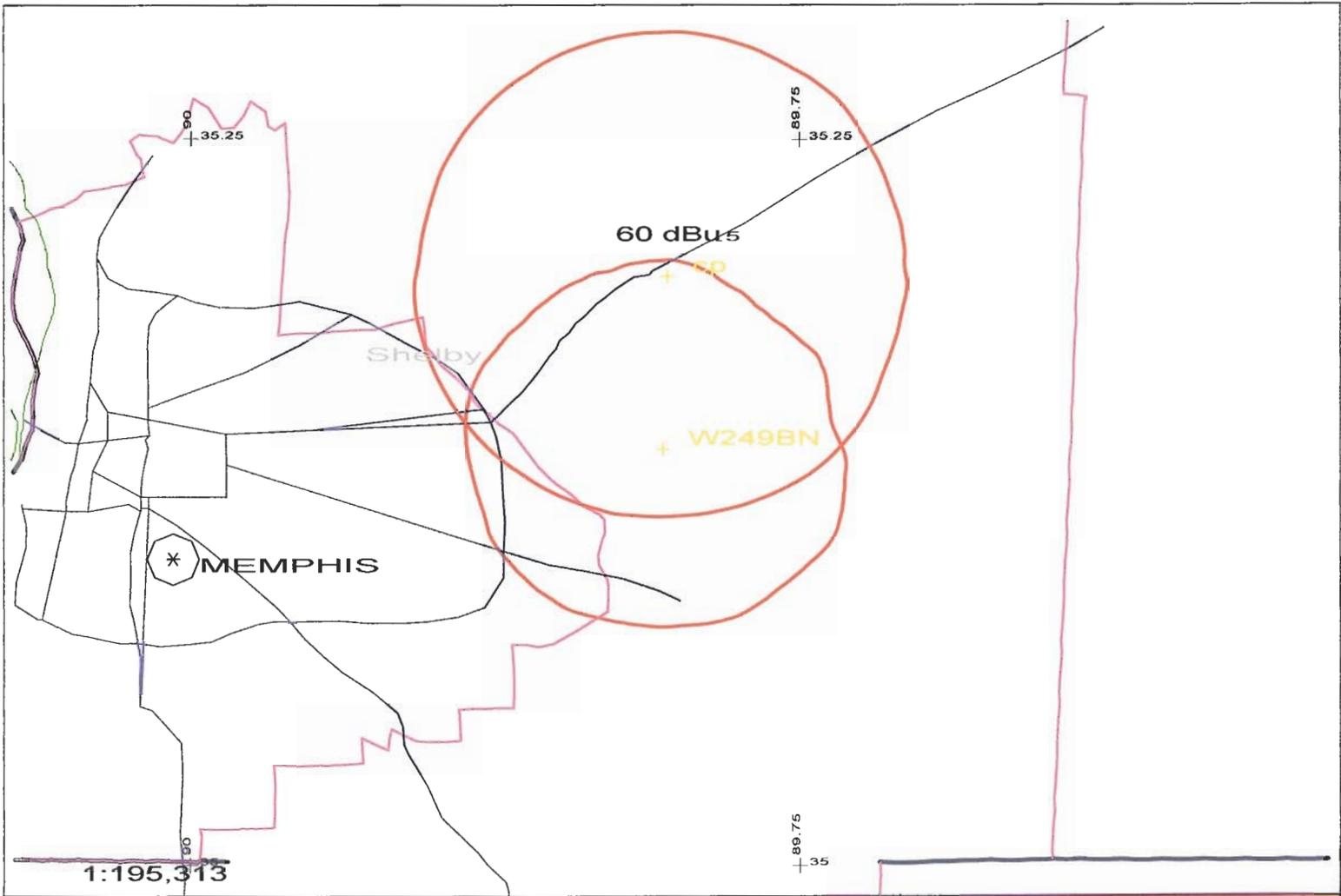
Internet Address: [ComplianceDepartment@gsignal.com](mailto:ComplianceDepartment@gsignal.com)

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Protected zones report for W249BN on channel 249 03-03-2005  
N. Lat. 34 10 05 W. Lng. 89 09 23, ERP= 0.019 kw, HAAT= 115.1M

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Facility okay with respect to Canada.  
Facility okay with respect to Mexico.  
Facility is okay with respect to AM station towers.  
Facility is okay with respect to FCC monitoring stations.  
Facility is okay toward West Virginia Quiet Zone.  
Facility okay toward Table Mountain.



1:195,313

Scale in km



|                  |                  |             |        |
|------------------|------------------|-------------|--------|
| W249BN 249D      | .019kW           | 195M AMS    | W249BN |
| N. Lat. 35 08 37 | W. Lng. 89 48 22 | EMF - 03/05 |        |