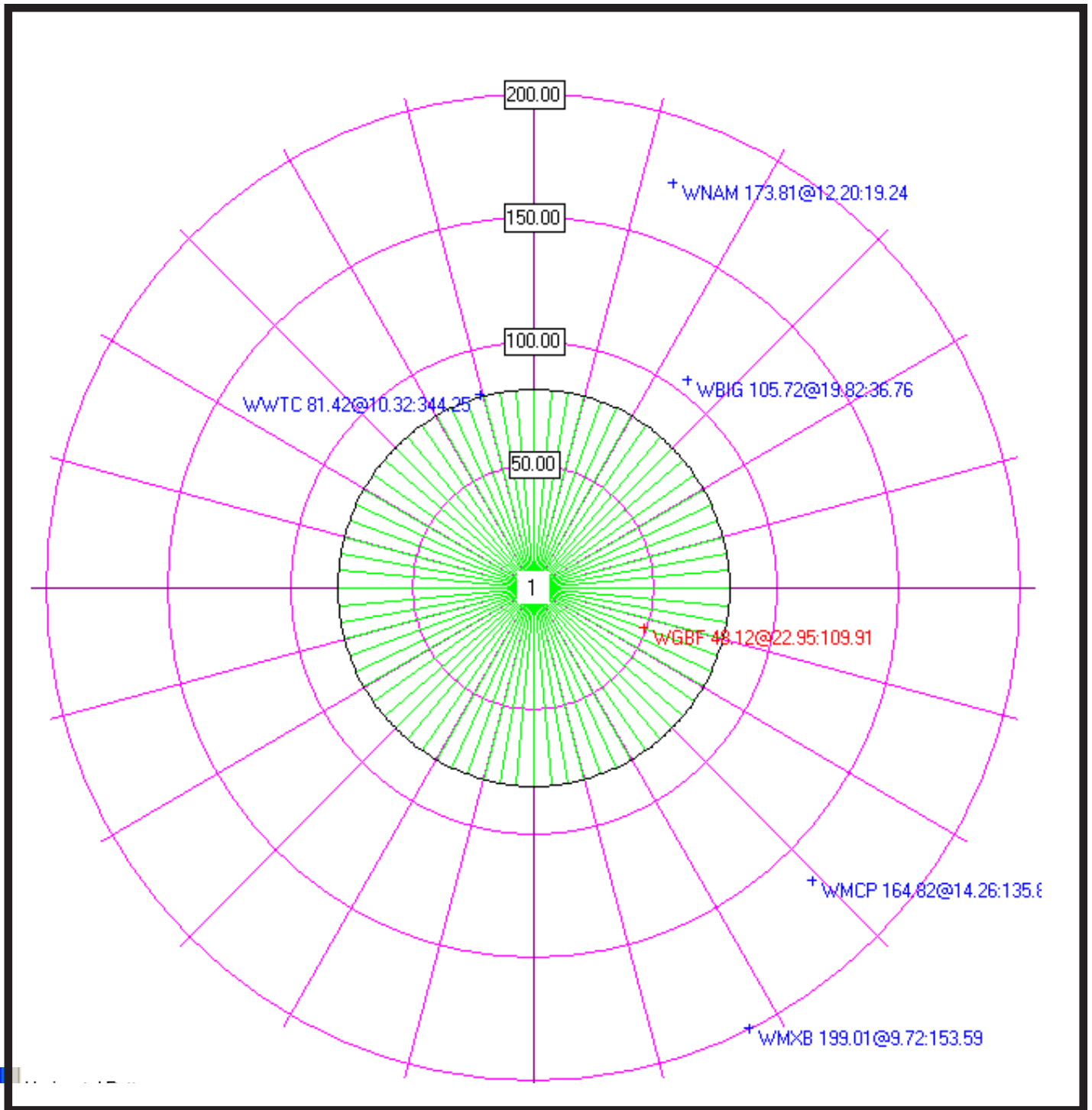


Polar Plot of Night Protection Requirements  
Proposed KYRO (AM)  
1280 kHz, 0.045 kW, ND-N  
Class D Operation



KYRO (AM) 1280 kHz  
Potosi, Missouri  
Seeks: Change COL, Make Changes to Antenna System

Exhibit: KYRO, Page: 1

Proposed KYRO Night Class D  
Operation at 0.045 kW, ND-N  
Stations Placing Limits of  
500 mv/m/km or Greater

| Bearing    | Limit      | Angle     | Lat       | Lon         | Call Sign |
|------------|------------|-----------|-----------|-------------|-----------|
| 19.243715  | 173.813436 | 12.201966 | 44.100278 | -88.533889  | WNAM      |
| 34.062335  | 250.007455 | 33.718916 | 40.623333 | -89.590833  | WIRL      |
| 36.756068  | 105.724345 | 19.819807 | 41.769444 | -88.245556  | WBIG      |
| 54.608190  | 948.268668 | 14.505897 | 41.621111 | -85.961111  | WCMR      |
| 64.084404  | 208.506148 | 11.838950 | 41.278889 | -84.397222  | WONW      |
| 76.818577  | 507.220426 | 2.378679  | 40.826667 | -74.075556  | WADO      |
| 77.280770  | 1816.65810 | 29.922780 | 39.505000 | -88.215000  | WEIC      |
| 108.815157 | 542.285662 | 5.943400  | 35.675000 | -80.508333  | WSAT      |
| 109.911139 | 48.1207620 | 22.954728 | 37.995833 | -87.476667  | WGBF      |
| 121.629514 | 421.622984 | 7.140390  | 34.538056 | -82.691111  | WANS      |
| 136.425192 | 263.933714 | 0.000000  | 18.550000 | -72.333333  | 4VAM      |
| 217.343189 | 464.033899 | 39.778823 | 37.828333 | -92.174167  | KOZQ      |
| 283.090369 | 531.121401 | 0.542204  | 40.851944 | -111.968056 | KZNS      |
| 300.734240 | 416.127653 | 15.348752 | 41.188889 | -96.005833  | KKAR      |
| 344.247362 | 81.4201730 | 10.319266 | 44.961389 | -93.356667  | WWTC      |

KYRO (AM) 1280 kHz  
Potosi, MO  
Seeks: Change COL, Make changes in antenna system

NIGHT INTERFERENCE FREE STUDY - Proposed Troy, MO Site

Station Information:

Call: KYRO  
Freq: 1280 kHz  
POTOSI, MO, US  
Hours: N  
Lat: 39-03-13 N  
Lng: 090-59-47 W  
Power: 0.045 kW  
Theo RMS: 305.77 mV/m @ 1km @ 1kW

Standard: FCC Rules (1992 Skywave Propagation Model) [ 10% ]

Contributors:

| Call | Freq<br>(kHz) | City           | St | Ct | Limit<br>(mV/m) | (%)   | RSS<br>Limit<br>(mV/m) |
|------|---------------|----------------|----|----|-----------------|-------|------------------------|
| WGBF | 1280          | EVANSVILLE     | IN | US | 14.174          | 100.0 | 14.174                 |
| WBIG | 1280          | AURORA         | IL | US | 11.383          | 80.3  | 18.179                 |
| WNAM | 1280          | NEENAH-MENASHA | WI | US | 8.553           | 47.0  | 20.090                 |
| WMCP | 1280          | COLUMBIA       | TN | US | 4.872           | 24.2  | 20.672                 |
| WONW | 1280          | DEFIANCE       | OH | US | 3.823           | 18.5  | 21.023                 |
| WODT | 1280          | NEW ORLEANS    | LA | US | 2.801           | 13.3  | 21.209                 |
| WKBF | 1270          | ROCK ISLAND    | IL | US | 2.773           | 13.1  | 21.389                 |
| WWTC | 1280          | MINNEAPOLIS    | MN | US | 2.748           | 12.8  | 21.565                 |
| KBNO | 1280          | DENVER         | CO | US | 2.629           | 12.2  | 21.725                 |
| WWPG | 1280          | TUSCALOOSA     | AL | US | 2.233           | 10.3  | 21.839                 |

Non-Contributors:

| Call | Freq<br>(kHz) | City           | St | Ct | Limit<br>(mV/m) |
|------|---------------|----------------|----|----|-----------------|
| WNAM | 1280          | NEENAH-MENASHA | WI | US | 8.553           |
| KYRO | 1280          | POTOSI         | MO | US | 3.922           |
| KDKD | 1280          | CLINTON        | MO | US | 2.911           |
| KNBY | 1280          | NEWPORT        | AR | US | 2.765           |

Proposed KYRO Night 0.045 kW, ND  
Night Interference Free Contour Map

