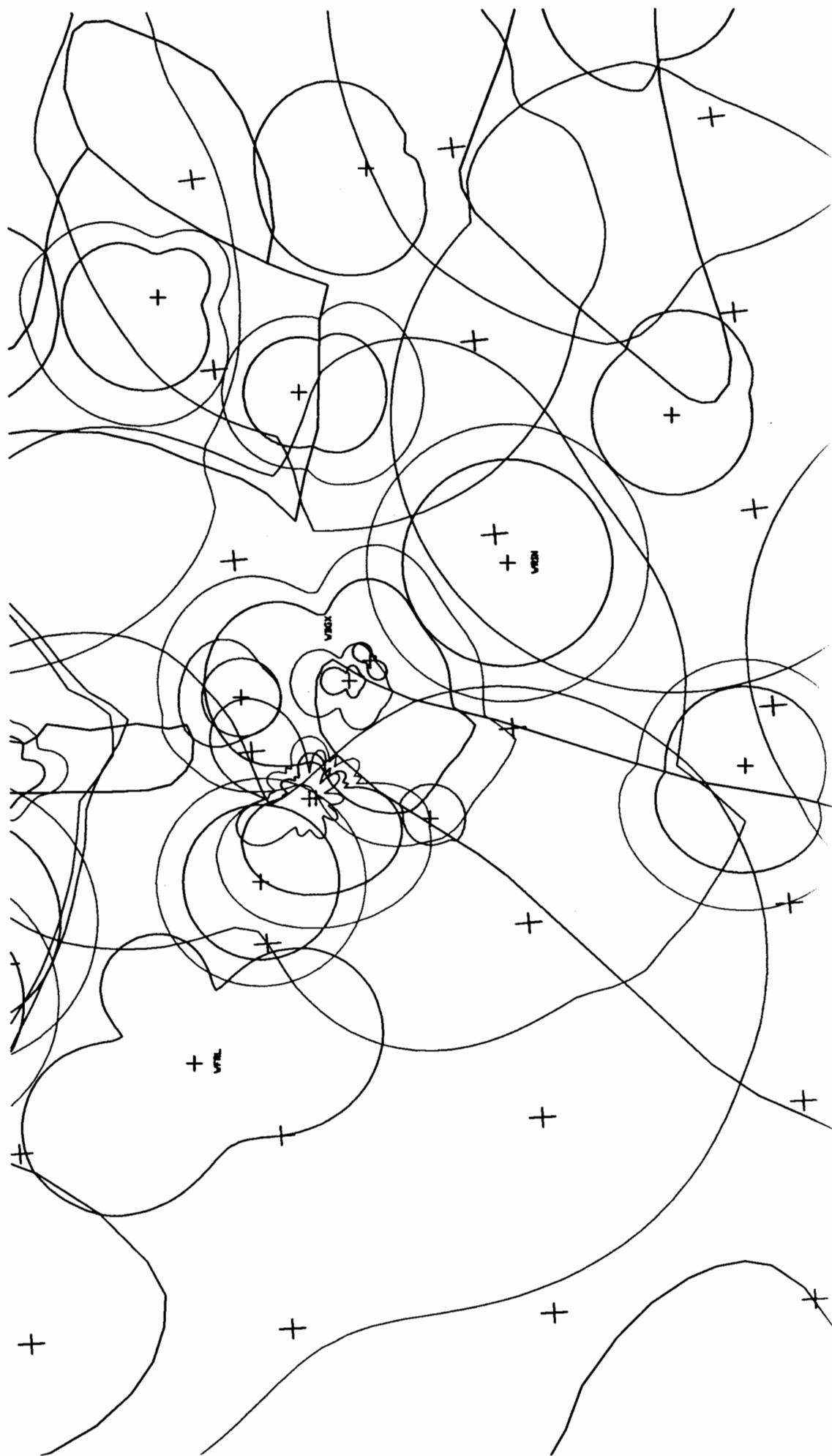


**EXHIBIT E2
PROPOSED ANTENNA SYSTEM
WBGX, 1570 kHz DA-2
HARVEY, ILLINOIS**

ANTENNA SYSTEM DESCRIPTION

1. The Antenna System consists of four (4) uniform cross-sections, guyed, vertical steel transmitting Towers. Towers stand 45.7m (86.5°) above their Base Insulators. The Towers are arranged (with Tower 3 as a reference) as follows: Tower 1 is spaced 180° on a bearing of 5° T, Tower 2 is spaced 90° on a bearing of 5° T, and Tower 4 is spaced 73.5° on a bearing of 54.8° T. All Towers will have a 20 ft. by 20 ft. fence with the appropriate warning signs as each Base.
2. The Ground System consists of 120 buried copper radials, 47.7m in length, around the Base of each Tower, except where they intersect with copper transverse straps between Towers or property boundaries. In addition, (120) 20m long, buried copper radials are installed at each Tower Base.

WBGX DAY CONTOURS



WBGX EXISTING DAY

1000.0 WATTS

1570.0 KHZ.

STANDARD PATTERN RADIATION AT .0 DEGREES ELEVATION

| BEARING DEGREES | FIELD MV/M | BEARING DEGREES | FIELD MV/M | BEARING DEGREES | FIELD MV/M | BEARING DEGREES | FIELD MV/M |
|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|
| .0 | 610.46 | 90.0 | 225.19 | 180.0 | 265.36 | 270.0 | 286.97 |
| 5.0 | 613.90 | 95.0 | 260.10 | 185.0 | 267.18 | 275.0 | 260.10 |
| 10.0 | 610.46 | 100.0 | 286.97 | 190.0 | 265.36 | 280.0 | 225.19 |
| 15.0 | 600.11 | 105.0 | 304.49 | 195.0 | 260.13 | 285.0 | 185.19 |
| 20.0 | 582.82 | 110.0 | 312.45 | 200.0 | 252.19 | 290.0 | 146.38 |
| 25.0 | 558.54 | 115.0 | 311.46 | 205.0 | 242.74 | 295.0 | 121.96 |
| 30.0 | 527.30 | 120.0 | 302.87 | 210.0 | 233.52 | 300.0 | 129.37 |
| 35.0 | 489.21 | 125.0 | 288.65 | 215.0 | 226.67 | 305.0 | 167.73 |
| 40.0 | 444.61 | 130.0 | 271.26 | 220.0 | 224.40 | 310.0 | 221.55 |
| 45.0 | 394.12 | 135.0 | 253.56 | 225.0 | 228.25 | 315.0 | 280.31 |
| 50.0 | 338.78 | 140.0 | 238.41 | 230.0 | 238.41 | 320.0 | 338.78 |
| 55.0 | 280.31 | 145.0 | 228.25 | 235.0 | 253.56 | 325.0 | 394.12 |
| 60.0 | 221.55 | 150.0 | 224.40 | 240.0 | 271.26 | 330.0 | 444.61 |
| 65.0 | 167.73 | 155.0 | 226.67 | 245.0 | 288.65 | 335.0 | 489.21 |
| 70.0 | 129.37 | 160.0 | 233.52 | 250.0 | 302.87 | 340.0 | 527.30 |
| 75.0 | 121.96 | 165.0 | 242.74 | 255.0 | 311.46 | 345.0 | 558.54 |
| 80.0 | 146.38 | 170.0 | 252.19 | 260.0 | 312.45 | 350.0 | 582.82 |
| 85.0 | 185.19 | 175.0 | 260.13 | 265.0 | 304.49 | 355.0 | 600.11 |

WBGX PROPOSED DAY

5000.0 WATTS

1570.0 KHZ.

| TOWER | FIELD RATIO | PHASE DEGREES | SPACING DEGREES | BEARING DEGREES | HEIGHT DEGREES | TOP-LOADING DEGREES |
|-------|----------------|------------------|--------------------|--------------------|-------------------|------------------------|
| 1 | 1.000 | .00 | 180.00 | 5.00 | 86.50 | .00 |
| 2 | 1.120 | 166.60 | 90.00 | 5.00 | 86.50 | .00 |
| 3 | .620 | -80.00 | .00 | .00 | 86.50 | .00 |
| 4 | .600 | 60.00 | 73.50 | 54.80 | 86.50 | .00 |

RADIATION VALUES COMPUTED BELOW ARE AT A DISTANCE OF ONE KILOMETER

ERMS THEORETICAL = 732.98 MV/M
 K NO LOSS = 771.63 MV/M
 ERSS NO LOSS = 1336.24 MV/M
 GROUND LOSS = 1.00 OHMS
 ARRAY Q = 31.67

ERMS STANDARD = 770.35 MV/M
 K WITH LOSSES = 731.54 MV/M
 ERSS WITH LOSSES = 1266.81 MV/M
 GROUND LOSSES = 563.03 WATTS
 ERSS/ERMS = 1.73

WBGX PROPOSED DAY

5000.0 WATTS

1570.0 KHZ.

STANDARD PATTERN RADIATION AT .0 DEGREES ELEVATION

| BEARING DEGREES | FIELD MV/M | BEARING DEGREES | FIELD MV/M | BEARING DEGREES | FIELD MV/M | BEARING DEGREES | FIELD MV/M |
|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|
| .0 | 1301.03 | 90.0 | 346.51 | 180.0 | 503.24 | 270.0 | 605.19 |
| 5.0 | 1340.81 | 95.0 | 240.06 | 185.0 | 470.66 | 275.0 | 531.50 |
| 10.0 | 1373.58 | 100.0 | 166.69 | 190.0 | 425.49 | 280.0 | 438.02 |
| 15.0 | 1398.88 | 105.0 | 152.00 | 195.0 | 368.43 | 285.0 | 330.51 |
| 20.0 | 1415.82 | 110.0 | 188.29 | 200.0 | 301.58 | 290.0 | 220.61 |
| 25.0 | 1423.14 | 115.0 | 239.70 | 205.0 | 229.99 | 295.0 | 146.00 |
| 30.0 | 1419.30 | 120.0 | 288.98 | 210.0 | 167.13 | 300.0 | 184.30 |
| 35.0 | 1402.68 | 125.0 | 331.89 | 215.0 | 147.09 | 305.0 | 297.45 |
| 40.0 | 1371.72 | 130.0 | 368.66 | 220.0 | 194.31 | 310.0 | 426.76 |
| 45.0 | 1325.20 | 135.0 | 400.82 | 225.0 | 278.03 | 315.0 | 555.54 |
| 50.0 | 1262.35 | 140.0 | 429.93 | 230.0 | 371.32 | 320.0 | 677.87 |
| 55.0 | 1183.11 | 145.0 | 456.88 | 235.0 | 462.05 | 325.0 | 790.99 |
| 60.0 | 1088.24 | 150.0 | 481.62 | 240.0 | 543.16 | 330.0 | 893.60 |
| 65.0 | 979.42 | 155.0 | 503.21 | 245.0 | 609.34 | 335.0 | 985.33 |
| 70.0 | 859.24 | 160.0 | 520.07 | 250.0 | 656.38 | 340.0 | 1066.50 |
| 75.0 | 731.19 | 165.0 | 530.31 | 255.0 | 681.01 | 345.0 | 1137.78 |
| 80.0 | 599.51 | 170.0 | 531.99 | 260.0 | 681.08 | 350.0 | 1200.07 |
| 85.0 | 469.25 | 175.0 | 523.41 | 265.0 | 655.67 | 355.0 | 1254.25 |