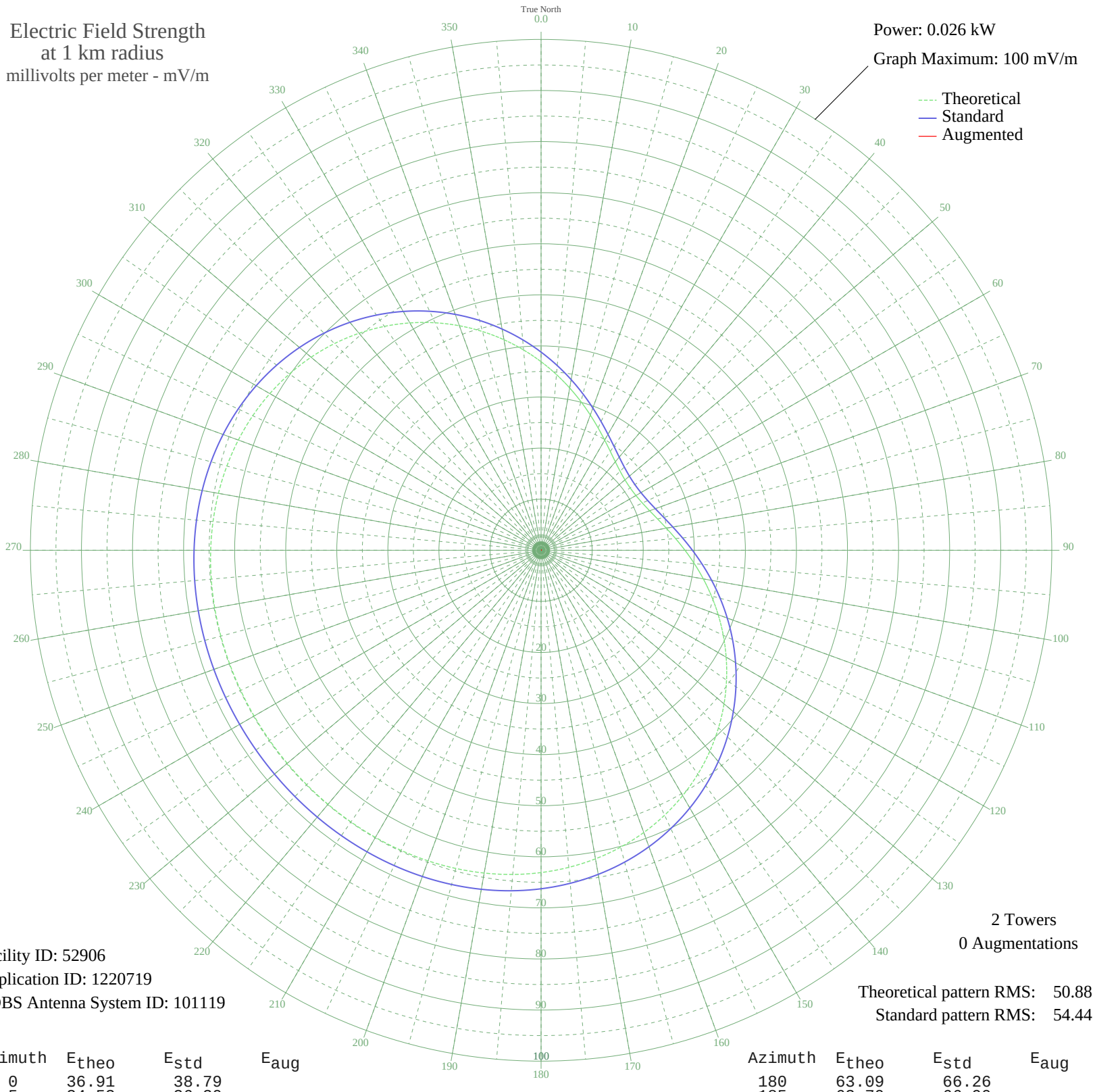
# WPLX TURRELL, AR BMP-20070703ABC 1180 kHz

Nighttime

Electric Field Strength
at 1 km radius
millivolts per meter - mV/m




Power: 0.026 kW

Graph Maximum: 100 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 52906
Application ID: 1220719
CDBS Antenna System ID: 101119

Theoretical pattern RMS: 50.88
Standard pattern RMS: 54.44

| Azimuth | $E_{theo}$ | $E_{std}$ | $E_{aug}$ |
|---|---|---|---|
| 0 | 36.91 | 38.79 | |
| 5 | 34.53 | 36.30 | |
| 10 | 32.26 | 33.92 | |
| 15 | 30.13 | 31.68 | |
| 20 | 28.18 | 29.63 | |
| 25 | 26.43 | 27.80 | |
| 30 | 24.90 | 26.20 | |
| 35 | 23.63 | 24.87 | |
| 40 | 22.62 | 23.81 | |
| 45 | 21.89 | 23.04 | |
| 50 | 21.44 | 22.58 | |
| 55 | 21.30 | 22.43 | |
| 60 | 21.44 | 22.58 | |
| 65 | 21.89 | 23.04 | |
| 70 | 22.62 | 23.81 | |
| 75 | 23.63 | 24.87 | |
| 80 | 24.90 | 26.20 | |
| 85 | 26.43 | 27.80 | |
| 90 | 28.18 | 29.63 | |
| 95 | 30.13 | 31.68 | |
| 100 | 32.26 | 33.92 | |
| 105 | 34.53 | 36.30 | |
| 110 | 36.91 | 38.79 | |
| 115 | 39.36 | 41.37 | |
| 120 | 41.85 | 43.97 | |
| 125 | 44.33 | 46.58 | |
| 130 | 46.77 | 49.14 | |
| 135 | 49.13 | 51.62 | |
| 140 | 51.39 | 53.98 | |
| 145 | 53.50 | 56.20 | |
| 150 | 55.45 | 58.25 | |
| 155 | 57.22 | 60.11 | |
| 160 | 58.79 | 61.76 | |
| 165 | 60.16 | 63.19 | |
| 170 | 61.33 | 64.42 | |
| 175 | 62.30 | 65.44 | |

| Azimuth | $E_{theo}$ | $E_{std}$ | $E_{aug}$ |
|---|---|---|---|
| 180 | 63.09 | 66.26 | |
| 185 | 63.70 | 66.90 | |
| 190 | 64.16 | 67.39 | |
| 195 | 64.48 | 67.73 | |
| 200 | 64.70 | 67.96 | |
| 205 | 64.83 | 68.09 | |
| 210 | 64.90 | 68.16 | |
| 215 | 64.92 | 68.19 | |
| 220 | 64.92 | 68.18 | |
| 225 | 64.90 | 68.17 | |
| 230 | 64.89 | 68.16 | |
| 235 | 64.89 | 68.15 | |
| 240 | 64.89 | 68.16 | |
| 245 | 64.90 | 68.17 | |
| 250 | 64.92 | 68.18 | |
| 255 | 64.92 | 68.19 | |
| 260 | 64.90 | 68.16 | |
| 265 | 64.83 | 68.09 | |
| 270 | 64.70 | 67.96 | |
| 275 | 64.48 | 67.73 | |
| 280 | 64.16 | 67.39 | |
| 285 | 63.70 | 66.90 | |
| 290 | 63.09 | 66.26 | |
| 295 | 62.30 | 65.44 | |
| 300 | 61.33 | 64.42 | |
| 305 | 60.16 | 63.19 | |
| 310 | 58.79 | 61.76 | |
| 315 | 57.22 | 60.11 | |
| 320 | 55.45 | 58.25 | |
| 325 | 53.50 | 56.20 | |
| 330 | 51.39 | 53.98 | |
| 335 | 49.13 | 51.62 | |
| 340 | 46.77 | 49.14 | |
| 345 | 44.33 | 46.58 | |
| 350 | 41.85 | 43.97 | |
| 355 | 39.36 | 41.37 | |

The theoretical pattern is used to create the standard pattern. Augmentations (if any) expand the standard pattern in specified directions. See Sections 73.150 and 73.152 of the FCC's Rules.

AM coverage may not mirror the pattern shown here. Additional factors such as ground conductivity or skywave propagation affect how far the AM signal will travel.

Patterns for stations outside the USA are based on notified parameters.

AM directional patterns created before 1982 used units of 1 mV/m at 1 mile, not one kilometer. The pattern values on such plots at 1 mile will be 0.62137 of the values listed here. Measured pattern values may vary from values shown here.

Plot is best printed on 11" by 17" or larger paper.

03 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission