



Maximum Envelope
Azimuth Plane Pattern
Antenna: PSIFML-1A-DA
Frequency: 92.1 MHz
ERP: .099 kW (-10.04 dBK)
RMS: .873
Ref. W220DE
Rochester, NY

Propagation Systems Inc.
PO Box 113
Ebensburg, PA 15931

Envelope Pattern Tabulation

Antenna: PSIFML-1A-DA

Station: W220DE

Frequency: 92.1 MHz

Location: Rochester, NY

Maximum ERP: .099 kW (-10.04 dBk)

| Angle | Relative Field | ERP (kW) | ERP (dBk) |
|-------|----------------|----------|-----------|
| 0 | 0.341 | 0.012 | -19.39 |
| 10 | 0.312 | 0.010 | -20.16 |
| 20 | 0.304 | 0.009 | -20.39 |
| 30 | 0.315 | 0.010 | -20.08 |
| 40 | 0.353 | 0.012 | -19.09 |
| 50 | 0.441 | 0.019 | -17.15 |
| 60 | 0.594 | 0.035 | -14.57 |
| 70 | 0.793 | 0.062 | -12.06 |
| 80 | 1.000 | 0.099 | -10.04 |
| 90 | 1.000 | 0.099 | -10.04 |
| 100 | 1.000 | 0.099 | -10.04 |
| 110 | 1.000 | 0.099 | -10.04 |
| 120 | 1.000 | 0.099 | -10.04 |
| 130 | 1.000 | 0.099 | -10.04 |
| 140 | 1.000 | 0.099 | -10.04 |
| 150 | 1.000 | 0.099 | -10.04 |
| 160 | 1.000 | 0.099 | -10.04 |
| 170 | 1.000 | 0.099 | -10.04 |
| 180 | 1.000 | 0.099 | -10.04 |
| 190 | 1.000 | 0.099 | -10.04 |
| 200 | 1.000 | 0.099 | -10.04 |
| 210 | 1.000 | 0.099 | -10.04 |
| 220 | 1.000 | 0.099 | -10.04 |
| 230 | 1.000 | 0.099 | -10.04 |
| 240 | 1.000 | 0.099 | -10.04 |
| 250 | 1.000 | 0.099 | -10.04 |
| 260 | 1.000 | 0.099 | -10.04 |
| 270 | 1.000 | 0.099 | -10.04 |
| 280 | 1.000 | 0.099 | -10.04 |
| 290 | 1.000 | 0.099 | -10.04 |
| 300 | 1.000 | 0.099 | -10.04 |
| 310 | 1.000 | 0.099 | -10.04 |
| 320 | 0.955 | 0.090 | -10.44 |
| 330 | 0.636 | 0.040 | -13.97 |
| 340 | 0.477 | 0.023 | -16.47 |
| 350 | 0.402 | 0.016 | -17.96 |