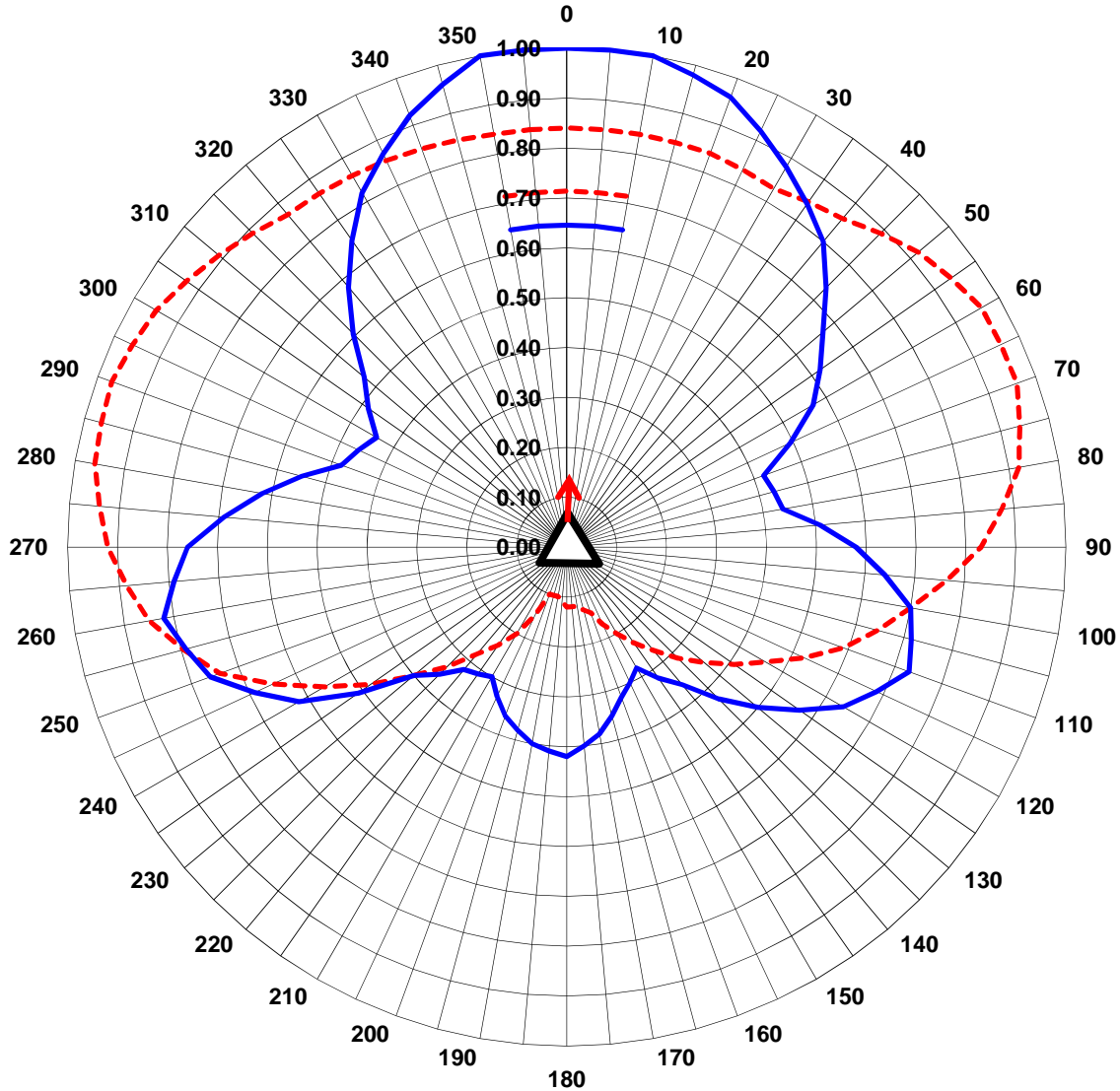


SHIVELY LABS SAMPLE PATTERN



6813 ANTENNA

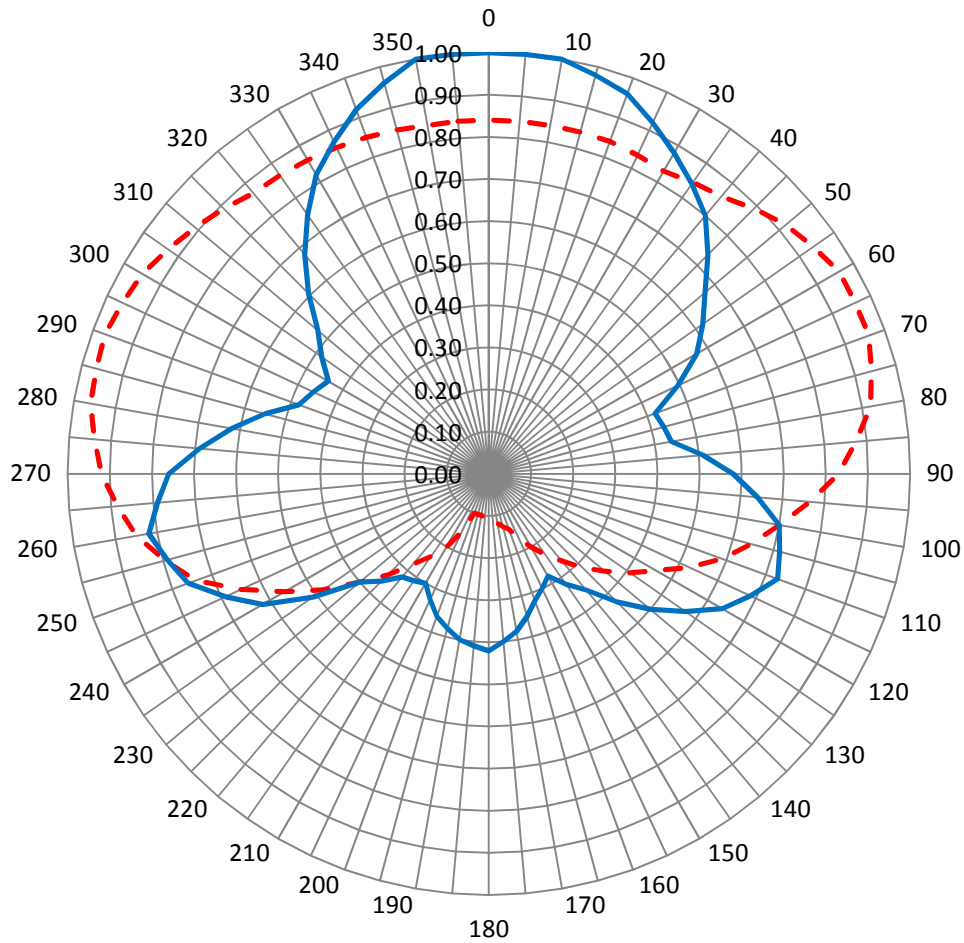
VERTICAL RMS: 71.36%

HORIZONTAL RMS: 64.57%

| | |
|---------------------|------------|
| PATTERN NUMBER | 6813-029 |
| FREQUENCY: | LOW BAND |
| ANTENNA AZIMUTH | 0-DEGREES |
| TOWER | WORLD 48 |
| MOUNT STYLE | LEG MOUNT |
| DISTANCE FROM TOWER | STD. MOUNT |
| MOUNT REMARKS | N/A |

Antennas are supplied with standard mounts
 Standard mounts fit 1.25" to 3.50" OD tower legs
 or up to a 48-inch face tower
 Mounts stand off 17.5-inches
 Radomes and Deicers are optional
 Pattern studies are optional
 Shively Labs recommends anti-rotation brackets
 for tower legs under 2-inches

SHIVELY LABS SAMPLE PATTERN



PATTERN NUMBER 6813-029

V-RMS 71.36%
H-RMS 64.57%

| DEGREE | VERT | HORZ | DEGREE | VERT | HORZ | DEGREE | VERT | HORZ | DEGREE | VERT | HORZ |
|--------|------|------|--------|------|------|--------|------|------|--------|------|------|
| 0 | 0.84 | 1.00 | 90 | 0.83 | 0.58 | 180 | 0.12 | 0.42 | 270 | 0.92 | 0.76 |
| 5 | 0.84 | 1.00 | 95 | 0.77 | 0.64 | 185 | 0.11 | 0.41 | 275 | 0.94 | 0.69 |
| 10 | 0.84 | 1.00 | 100 | 0.70 | 0.70 | 190 | 0.10 | 0.40 | 280 | 0.96 | 0.62 |
| 15 | 0.84 | 0.98 | 105 | 0.65 | 0.72 | 195 | 0.10 | 0.38 | 285 | 0.97 | 0.55 |
| 20 | 0.84 | 0.96 | 110 | 0.59 | 0.73 | 200 | 0.10 | 0.36 | 290 | 0.97 | 0.48 |
| 25 | 0.84 | 0.92 | 115 | 0.53 | 0.69 | 205 | 0.15 | 0.33 | 295 | 0.96 | 0.46 |
| 30 | 0.83 | 0.88 | 120 | 0.46 | 0.64 | 210 | 0.20 | 0.30 | 300 | 0.95 | 0.44 |
| 35 | 0.85 | 0.84 | 125 | 0.41 | 0.57 | 215 | 0.24 | 0.31 | 305 | 0.93 | 0.49 |
| 40 | 0.86 | 0.80 | 130 | 0.36 | 0.50 | 220 | 0.28 | 0.32 | 310 | 0.91 | 0.53 |
| 45 | 0.89 | 0.74 | 135 | 0.32 | 0.43 | 225 | 0.34 | 0.36 | 315 | 0.89 | 0.61 |
| 50 | 0.92 | 0.67 | 140 | 0.27 | 0.36 | 230 | 0.40 | 0.40 | 320 | 0.87 | 0.68 |
| 55 | 0.94 | 0.62 | 145 | 0.24 | 0.32 | 235 | 0.48 | 0.51 | 325 | 0.87 | 0.75 |
| 60 | 0.96 | 0.57 | 150 | 0.20 | 0.28 | 240 | 0.56 | 0.62 | 330 | 0.86 | 0.82 |
| 65 | 0.96 | 0.50 | 155 | 0.17 | 0.30 | 245 | 0.65 | 0.69 | 335 | 0.86 | 0.87 |
| 70 | 0.96 | 0.42 | 160 | 0.14 | 0.32 | 250 | 0.74 | 0.76 | 340 | 0.85 | 0.92 |
| 75 | 0.94 | 0.43 | 165 | 0.13 | 0.35 | 255 | 0.80 | 0.79 | 345 | 0.85 | 0.96 |
| 80 | 0.92 | 0.44 | 170 | 0.12 | 0.38 | 260 | 0.85 | 0.82 | 350 | 0.84 | 1.00 |
| 85 | 0.88 | 0.51 | 175 | 0.12 | 0.40 | 265 | 0.89 | 0.79 | 355 | 0.84 | 1.00 |