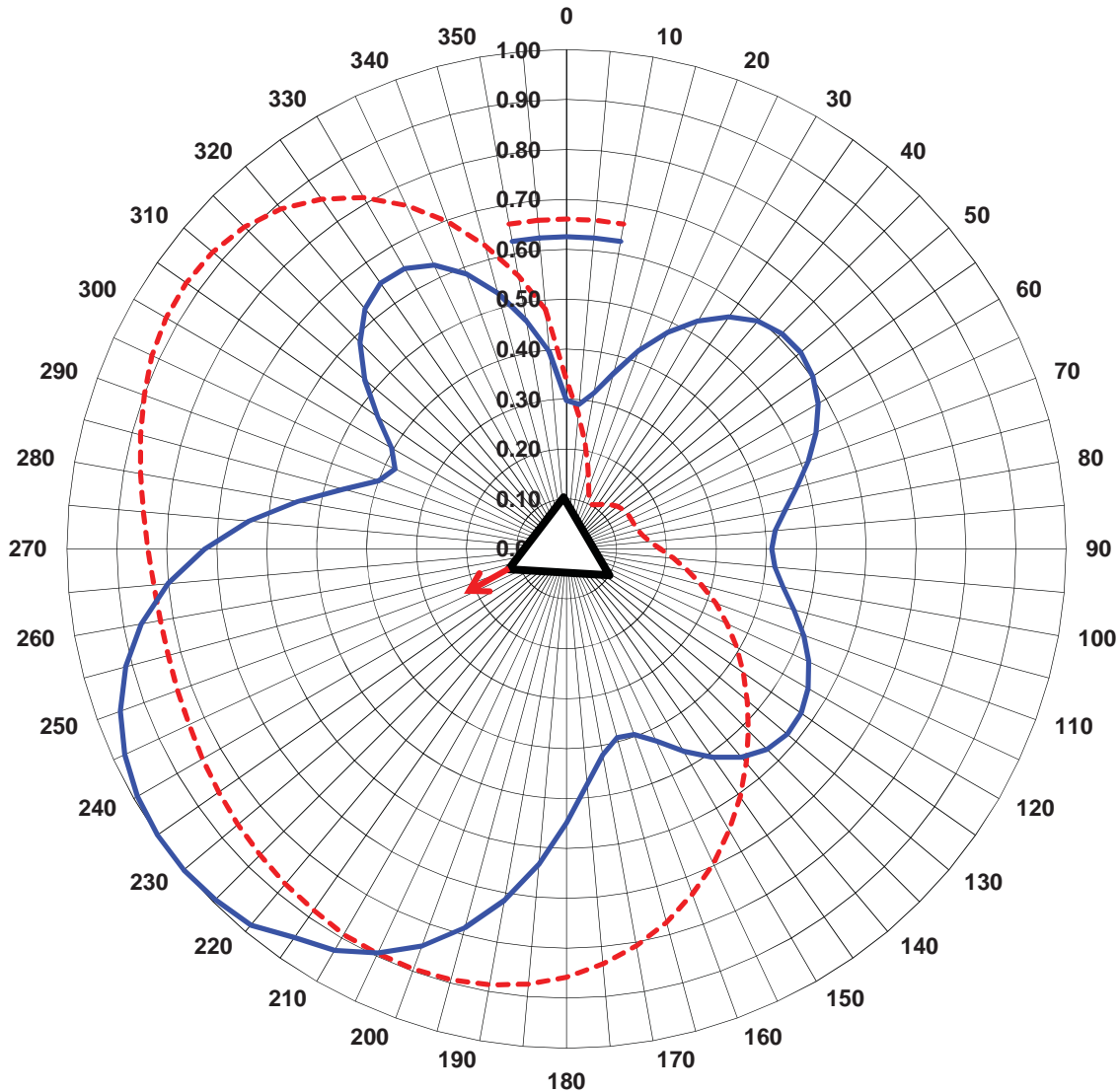


# SHIVELY LABS SAMPLE PATTERN



## 6813 ANTENNA

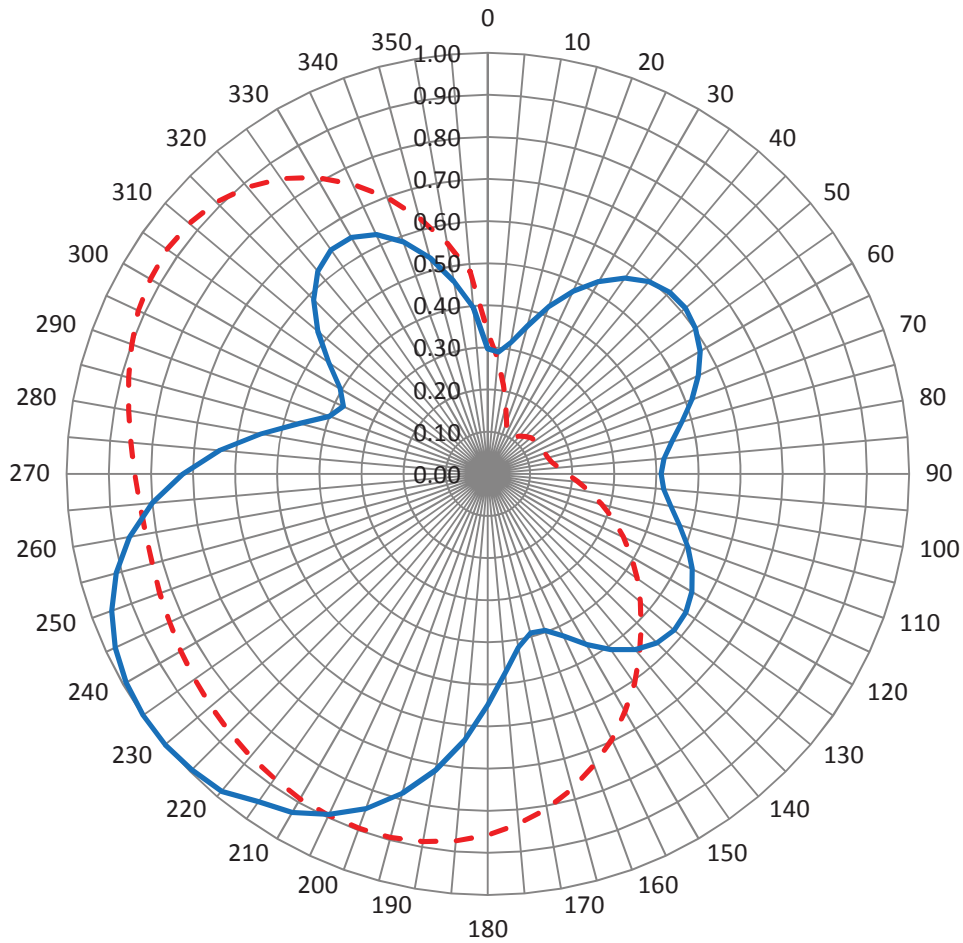
**VERTICAL RMS: 66.09%**

**HORIZONTAL RMS: 62.52%**

|                     |             |
|---------------------|-------------|
| PATTERN NUMBER      | 6813-007    |
| FREQUENCY:          | HIGH BAND   |
| ANTENNA AZIMUTH     | 243-DEGREES |
| TOWER               | 42-IN FACE  |
| MOUNT STYLE         | LEG MT      |
| 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 6813-007

**V-RMS** 66.09%  
**H-RMS** 62.52%

| DEGREE | VERT | HORZ | DEGREE | VERT | HORZ | DEGREE | VERT | HORZ | DEGREE | VERT | HORZ |
|--------|------|------|--------|------|------|--------|------|------|--------|------|------|
| 0      | 0.34 | 0.30 | 90     | 0.19 | 0.41 | 180    | 0.86 | 0.55 | 270    | 0.84 | 0.72 |
| 5      | 0.27 | 0.29 | 95     | 0.21 | 0.42 | 185    | 0.88 | 0.63 | 275    | 0.85 | 0.64 |
| 10     | 0.21 | 0.32 | 100    | 0.25 | 0.44 | 190    | 0.89 | 0.71 | 280    | 0.87 | 0.55 |
| 15     | 0.17 | 0.36 | 105    | 0.28 | 0.47 | 195    | 0.89 | 0.79 | 285    | 0.88 | 0.46 |
| 20     | 0.13 | 0.42 | 110    | 0.32 | 0.51 | 200    | 0.90 | 0.85 | 290    | 0.90 | 0.40 |
| 25     | 0.11 | 0.48 | 115    | 0.35 | 0.53 | 205    | 0.89 | 0.89 | 295    | 0.92 | 0.38 |
| 30     | 0.10 | 0.53 | 120    | 0.39 | 0.56 | 210    | 0.89 | 0.93 | 300    | 0.93 | 0.40 |
| 35     | 0.11 | 0.57 | 125    | 0.43 | 0.57 | 215    | 0.88 | 0.95 | 305    | 0.93 | 0.46 |
| 40     | 0.12 | 0.60 | 130    | 0.47 | 0.58 | 220    | 0.88 | 0.98 | 310    | 0.92 | 0.53 |
| 45     | 0.13 | 0.61 | 135    | 0.52 | 0.57 | 225    | 0.87 | 0.99 | 315    | 0.91 | 0.58 |
| 50     | 0.13 | 0.61 | 140    | 0.56 | 0.55 | 230    | 0.86 | 1.00 | 320    | 0.89 | 0.63 |
| 55     | 0.14 | 0.60 | 145    | 0.61 | 0.51 | 235    | 0.85 | 1.00 | 325    | 0.86 | 0.65 |
| 60     | 0.14 | 0.58 | 150    | 0.65 | 0.47 | 240    | 0.84 | 0.99 | 330    | 0.81 | 0.65 |
| 65     | 0.14 | 0.55 | 155    | 0.70 | 0.42 | 245    | 0.83 | 0.98 | 335    | 0.76 | 0.63 |
| 70     | 0.14 | 0.52 | 160    | 0.74 | 0.40 | 250    | 0.83 | 0.95 | 340    | 0.70 | 0.59 |
| 75     | 0.15 | 0.48 | 165    | 0.77 | 0.39 | 255    | 0.83 | 0.91 | 345    | 0.63 | 0.53 |
| 80     | 0.15 | 0.44 | 170    | 0.81 | 0.42 | 260    | 0.83 | 0.86 | 350    | 0.56 | 0.46 |
| 85     | 0.17 | 0.42 | 175    | 0.83 | 0.47 | 265    | 0.83 | 0.80 | 355    | 0.48 | 0.40 |