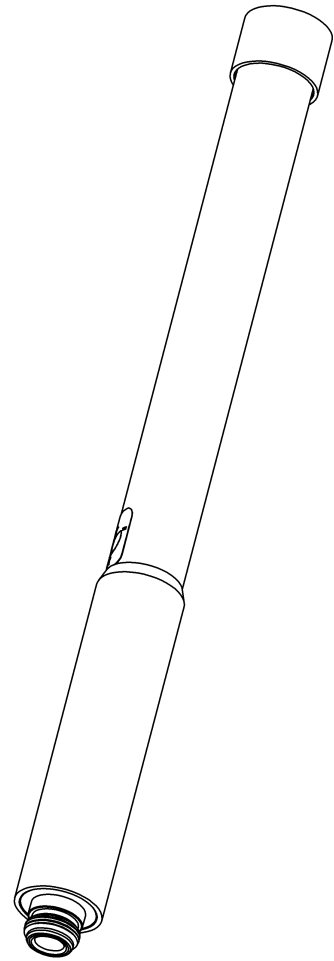
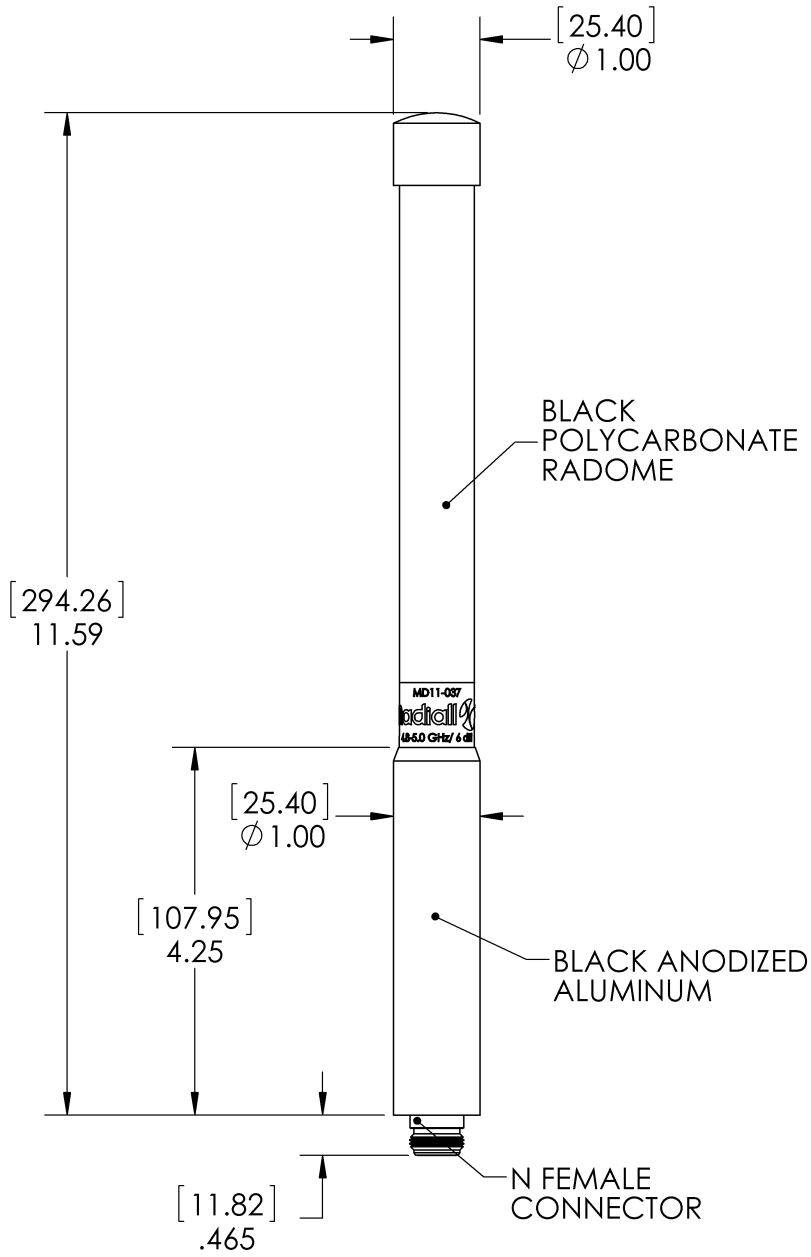


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DIMENSIONS:
 [.XX] = mm
 .XX = inches

| | | | |
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ELECTRICAL CHARACTERISTICS

| | |
|--|----------------------|
| Frequency:..... | 4800-5000 MHz |
| Nominal Impedance:..... | 50 Ω |
| VSWR: | 2.0:1 Max |
| Typical Gain Over Frequency Band:..... | 6 dBi |
| Radiation Pattern | |
| -3 dB beam-width (Elevation) : | 30° (Typ) |
| Electrical Tilt : | 0° |
| Side Lobes :..... | -3 dBi Max |
| Antenna Polarization:..... | Vertical |
| Connector type: | N Female |
| Power Handling: | 10 W (CW) |
| DC Grounding: | Yes |

MECHANICAL CHARACTERISTICS

| | |
|--------------------------|--------------------------|
| Antenna Color : | Black |
| Antenna Material : | Polycarbonate |
| Weight : | 6.5 Oz |
| Overall length : | 11.685 Inches Max |

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ENVIRONMENTAL CHARACTERISTICS

| | |
|--------------------------------------|--|
| Operating Temperature: | -40 / +85 °C MIL -STD-810G, Methods 501.5 & 502.5, Procedure II |
| Storage Temperature : | -40 / +85 °C MIL-STD-810G, Methods 501.5 & 502.5, Procedure I |
| Temperature Shock : | MIL-STD-810G, Methods 503.5, Procedure I-B -40, +85, -40 °C |
| Shock Stability (Functional) : | 20 G MIL-STD-810G, Method 516.6, Procedure I |
| Immersion (Mated Condition) : | 2 Meters 60 Minutes MIL-STD-810G, Method 512.5, Procedure I, 27°C above ambient preconditioning temp. |
| Vibration :(General) | MIL-STD-810G Method 514.6, Procedure I Category 24 Figure 514.6E-1 |
| Vibration :(Random) | ETSI EN 300-2-4 Tested to IEC 60068-2-64, Class 4M5 per IEC 60721-3-4 |
| Vibration :(Sinusoidal) | ETSI EN 300-2-4 Tested to IEC 60068-2-6, Class 4M7 per IEC 60721-3-4 |

Product in Conformity with the ROHS (Restriction of Hazardous Substances) and WEEE (Waste Electrical and Electronic Equipment) requirements

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ELECTRICAL PERFORMANCE

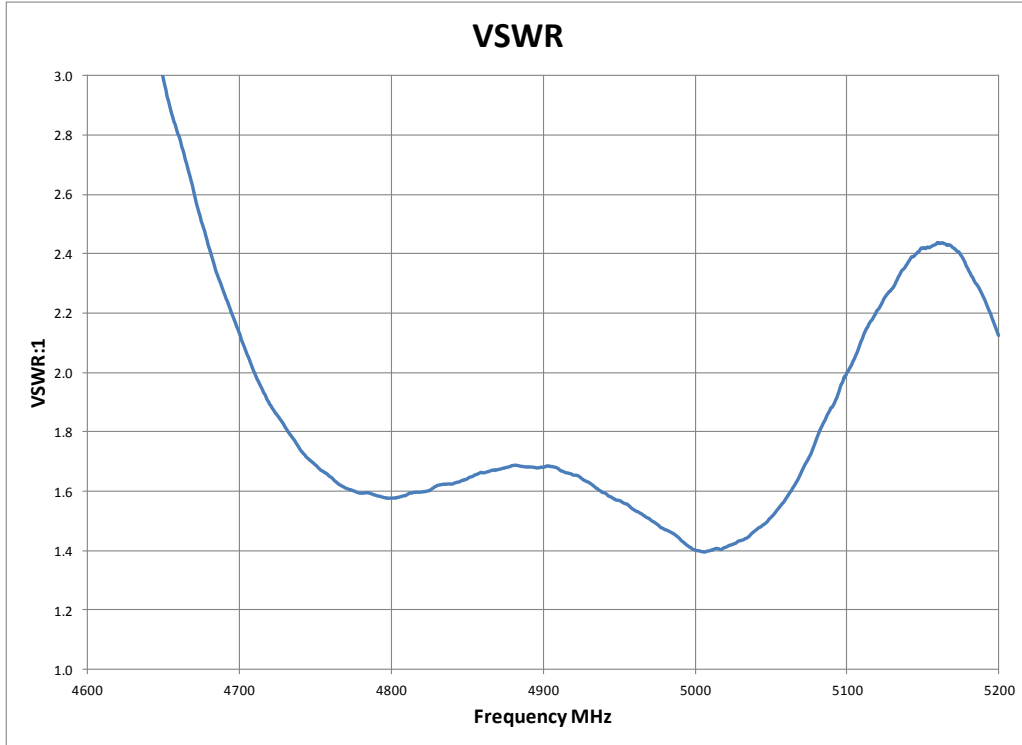


Figure 1: VSWR

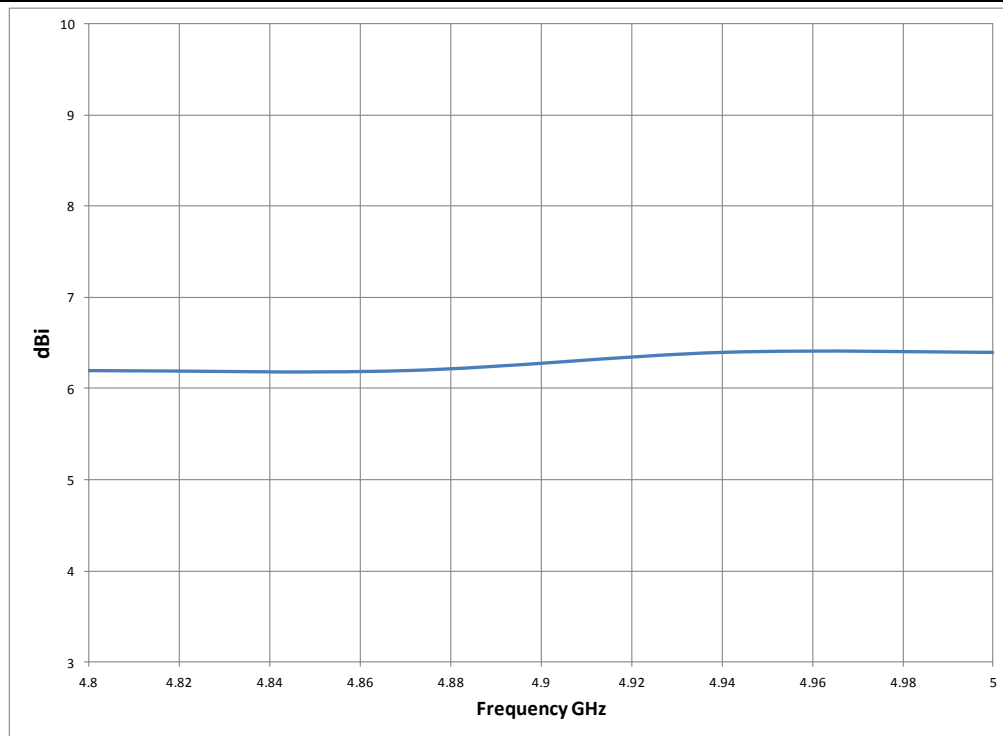


Figure 2: Gain at Horizon

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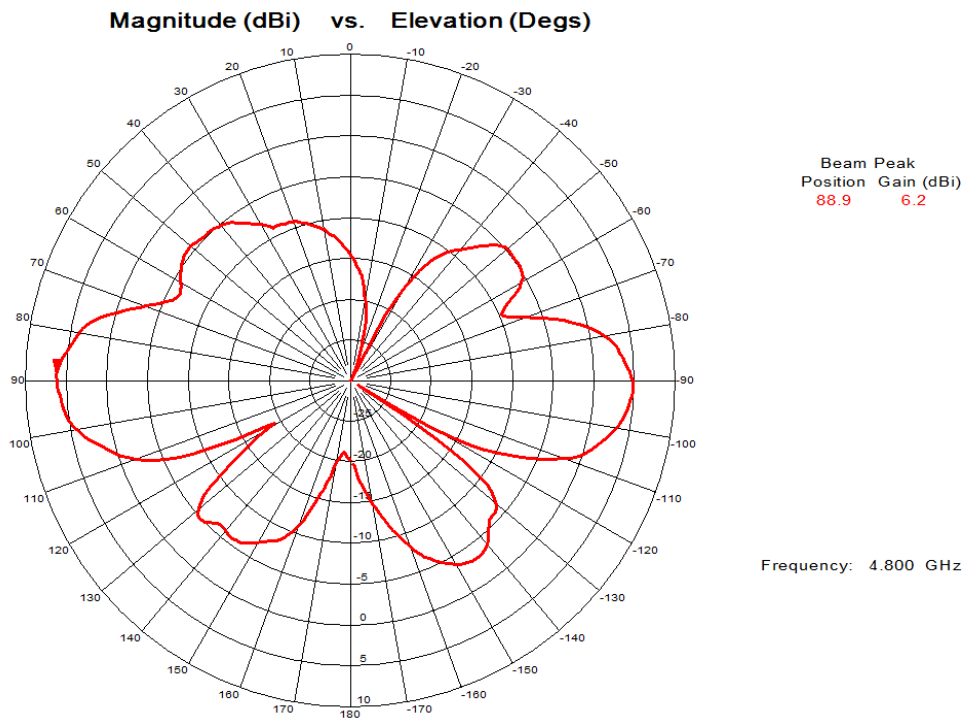


Figure 3: Vertical Radiation Pattern @ 4800 MHz

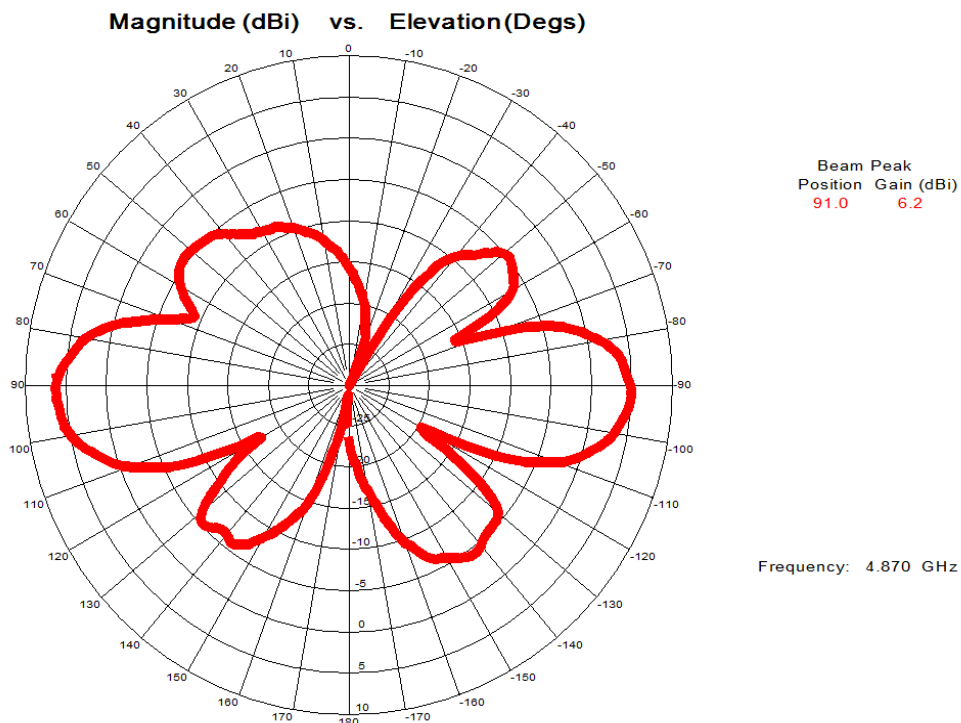


Figure 4: Vertical Radiation Pattern @ 4870 MHz

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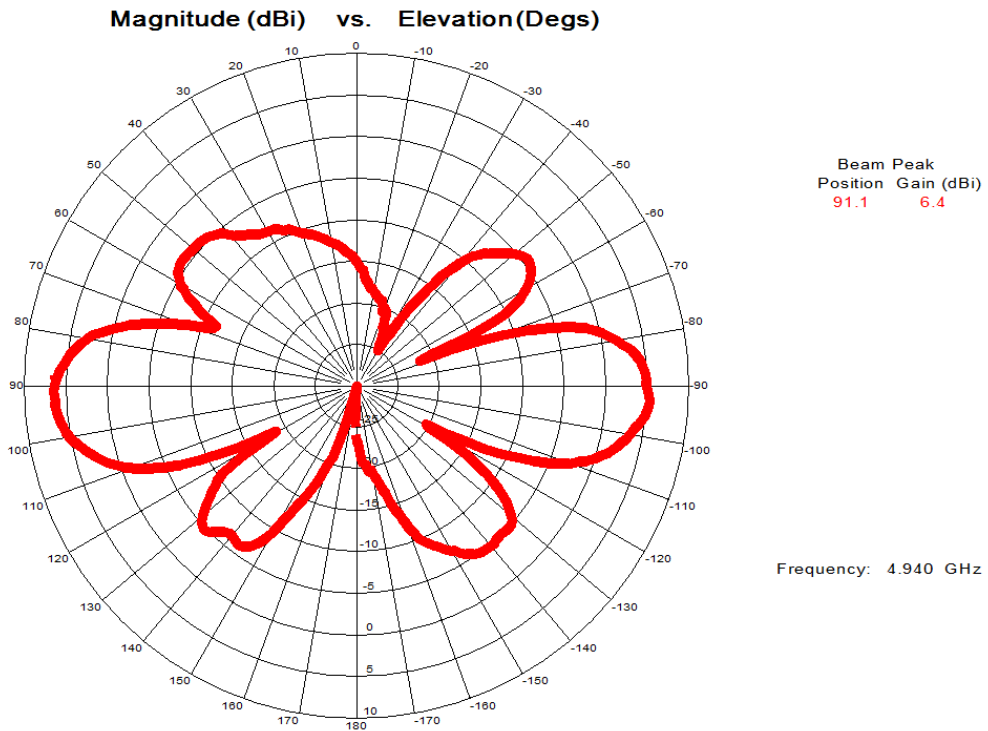


Figure 5: Vertical Radiation Pattern @ 4940 MHz

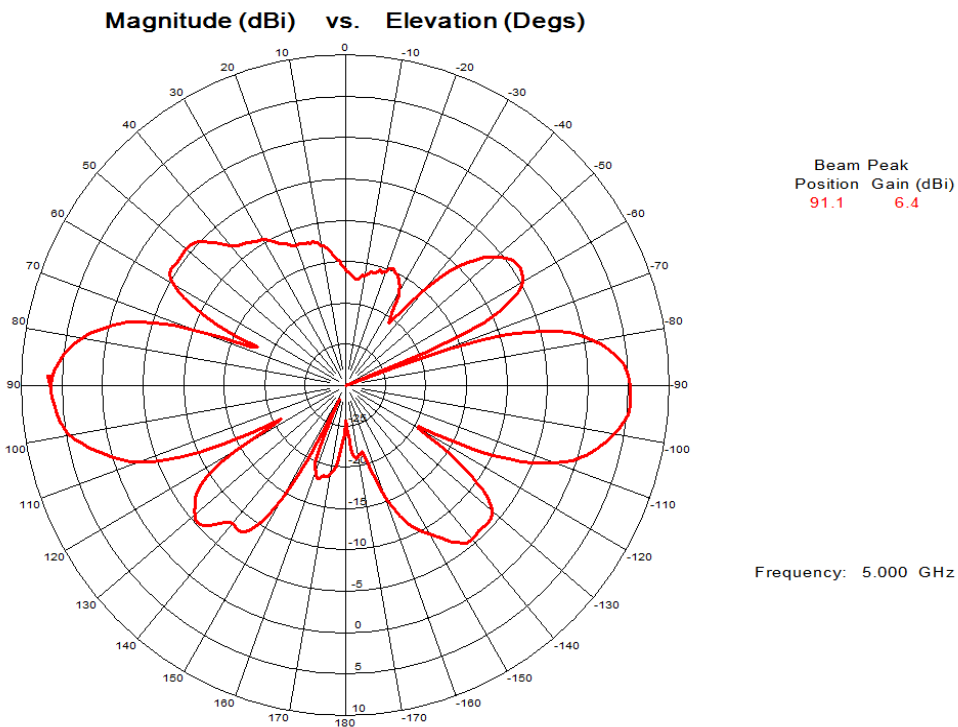
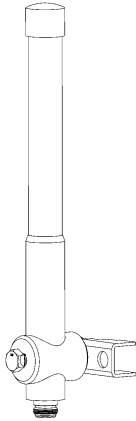


Figure 6: Vertical Radiation Pattern @ 5000 MHz

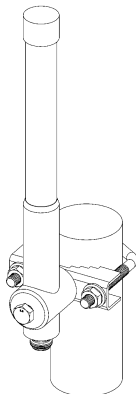
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Installation Guidelines Using MD15-006 Clamping Mount Bracket

1. *Position antenna into mount bracket. Tighten bolt using 13 mm wrench.*



2. *Position antenna mount assembly onto pole and install v-bolt. Install nuts and tighten using 13 mm wrench. Pole size .75 to 2 inch diameter.*



3. *Wall mount antenna by placing antenna mount assembly against wall. NOTE: Wall mount hardware (Not Included) must be adequate for the material it is going into. Do not use v-bolt for wall mount application.*

