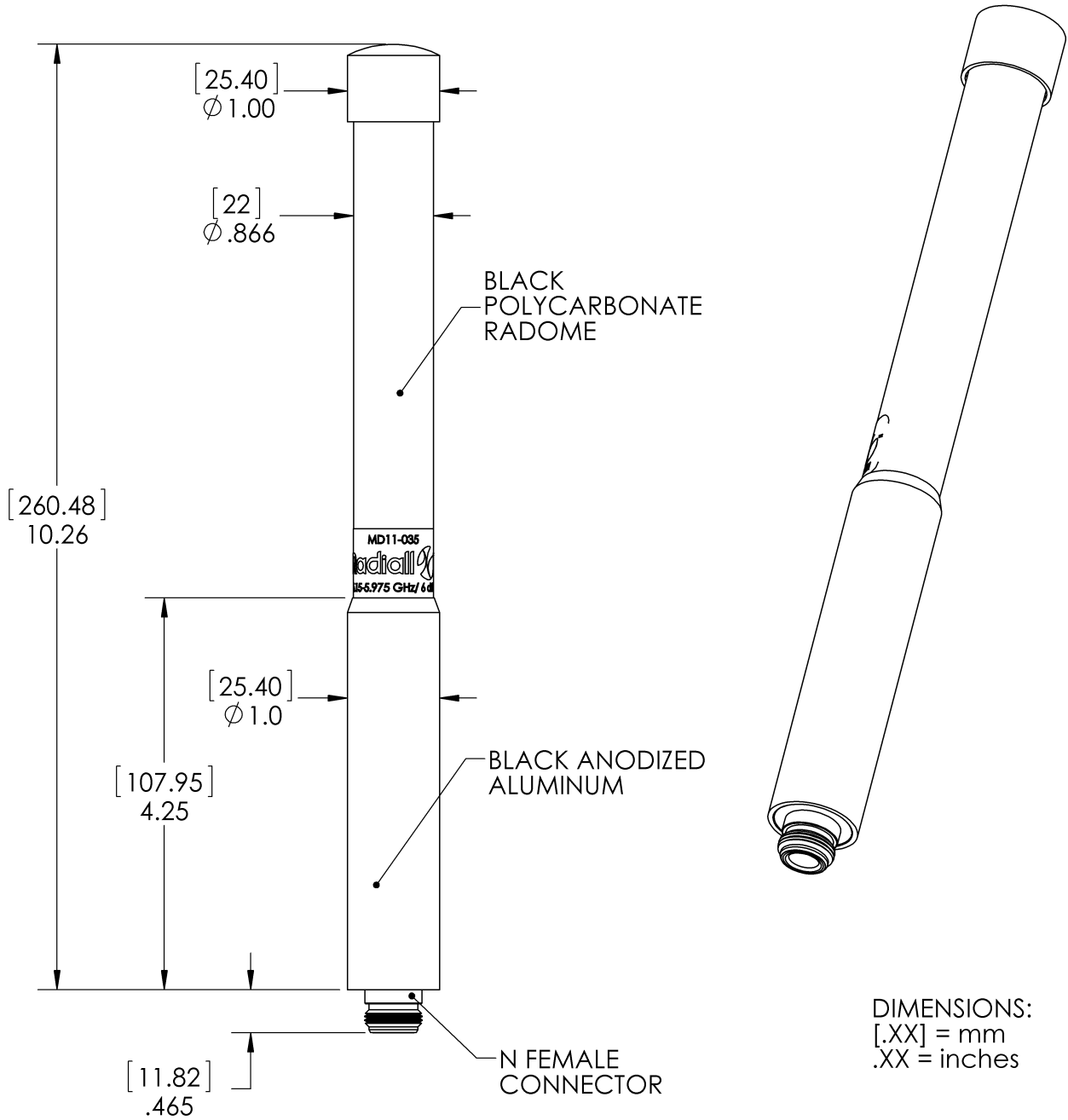


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**ELECTRICAL CHARACTERISTICS**

Frequency:.....	<b>5150-5975</b> MHz
Nominal Impedance:.....	<b>50</b> Ω
VSWR: .....	<b>&lt;2.0:1</b> Typical <b>3.0:1</b> Max
Typical Gain Over Frequency Band:.....	<b>6</b> dBi
Radiation Pattern	
-3 dB beam-width (Elevation) : .....	<b>30°</b> (Typ)
Electrical Tilt : .....	<b>0°</b>
Side Lobes :.....	<b>-2.5</b> dBi Max
Antenna Polarization:.....	<b>Vertical</b>
Connector type:.....	<b>N Female</b>
Power Handling: .....	<b>10</b> W (CW)
DC Grounding: .....	<b>Yes</b>

**MECHANICAL CHARACTERISTICS**

Antenna Color : .....	<b>Black</b>
Antenna Material : .....	<b>Polycarbonate</b>
Weight : .....	<b>6.25</b> Oz
Overall length : .....	<b>10.355</b> Inches Max

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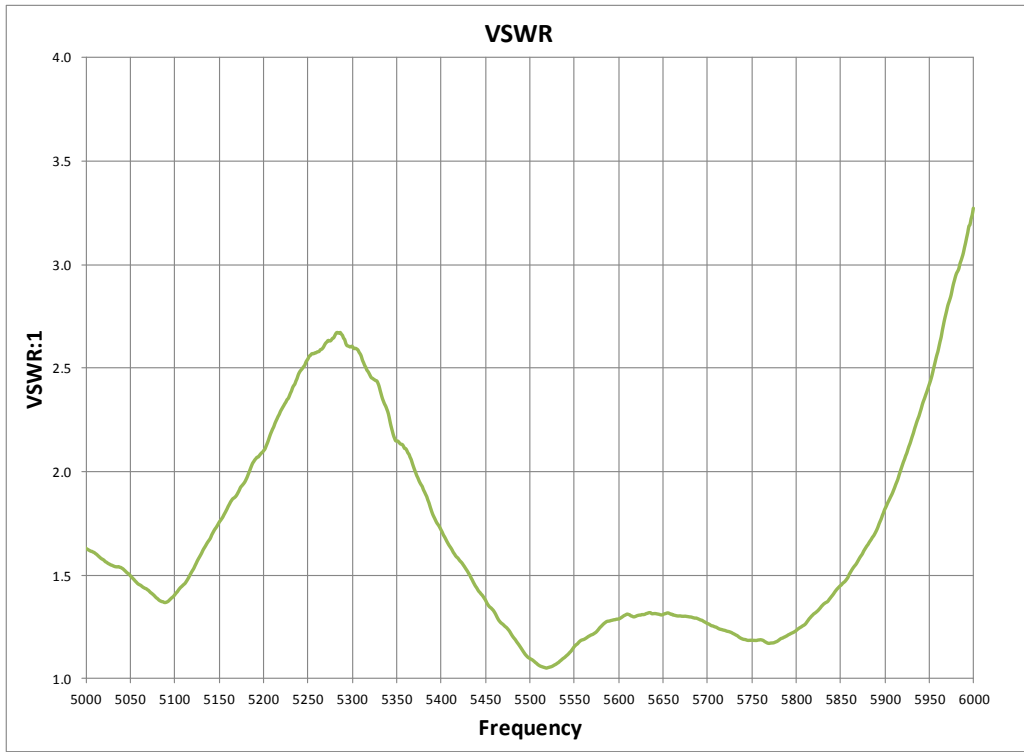
**ENVIRONMENTAL CHARACTERISTICS**

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

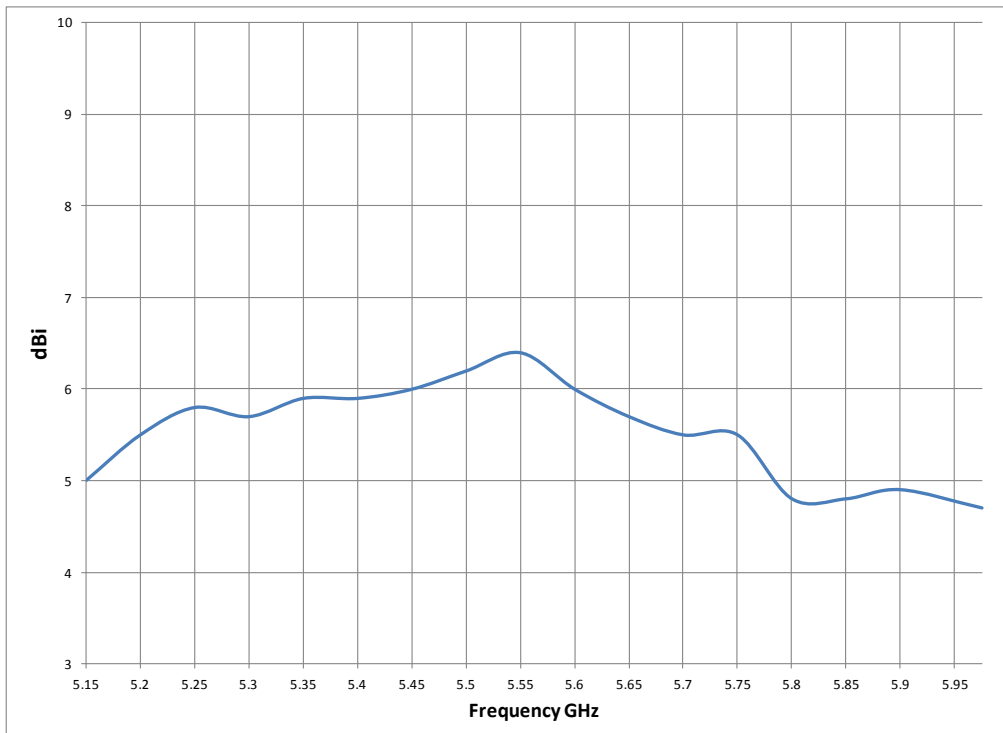
*Product in Conformity with the ROHS (Restriction of Hazardous Substances) and WEEE (Waste Electrical and Electronic Equipment) requirements*

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**ELECTRICAL PERFORMANCE**

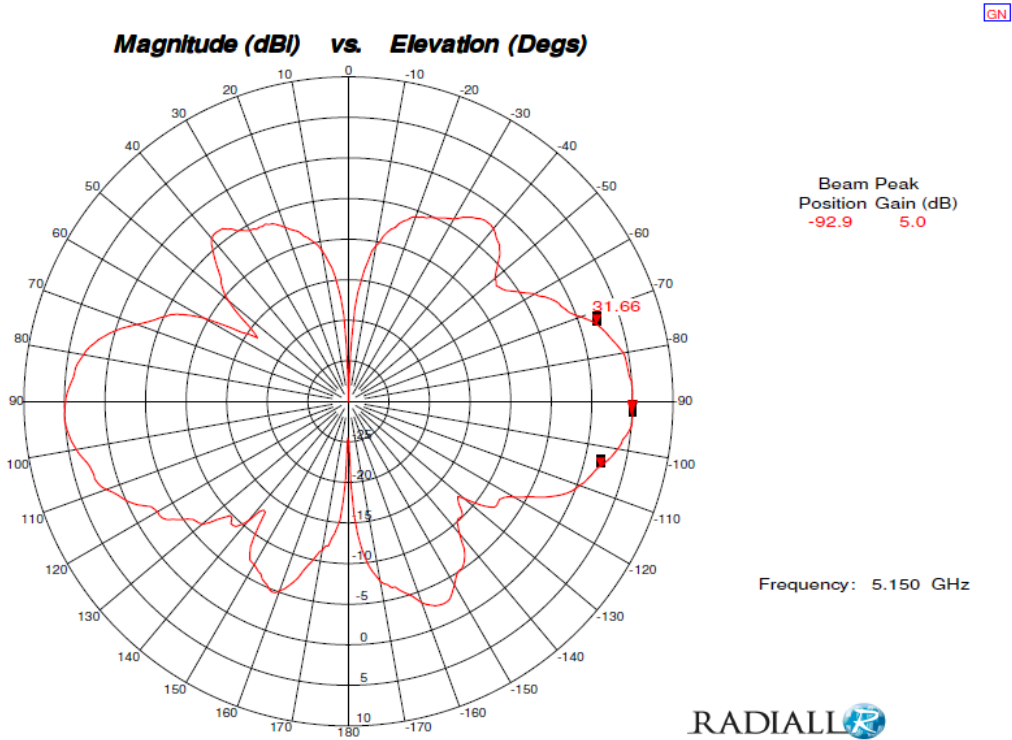


*Figure 1: VSWR*

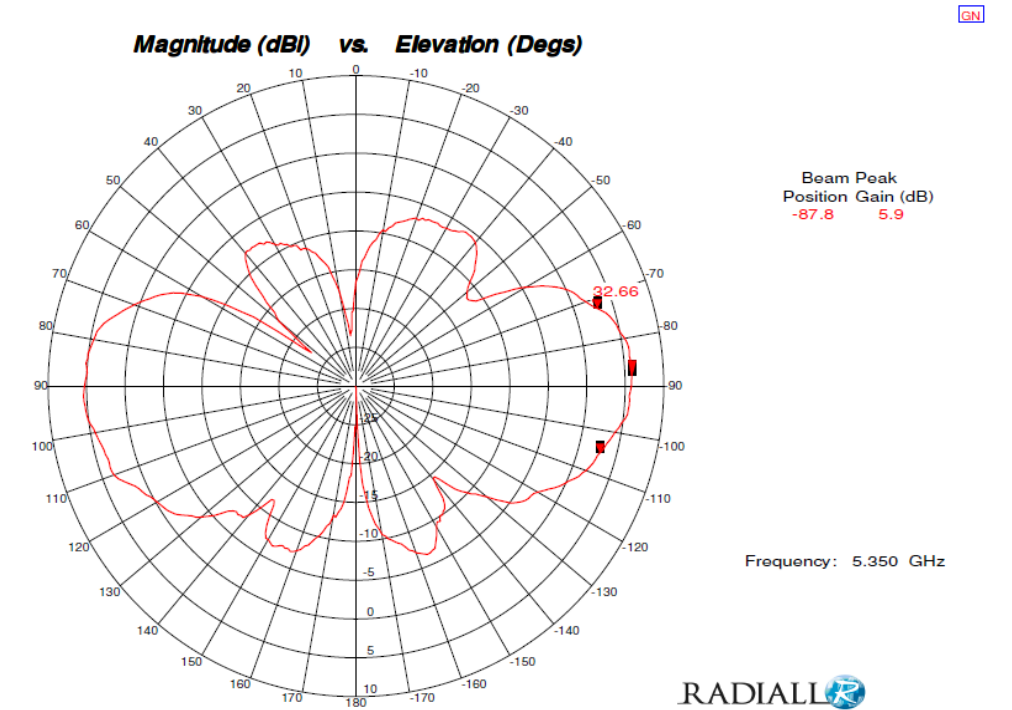


*Figure 2: Gain at Horizon*

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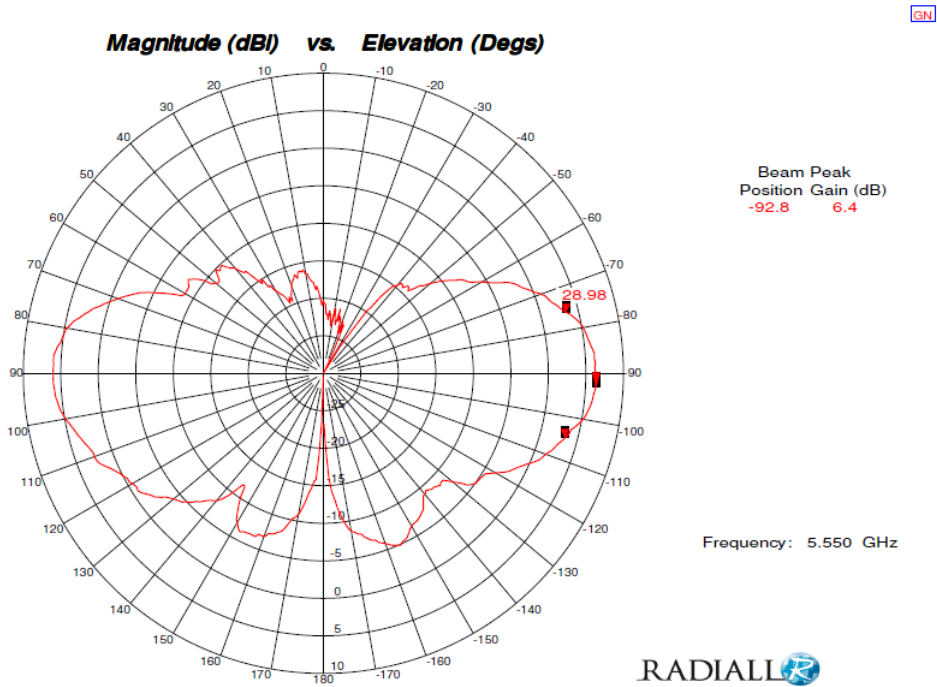


*Figure 3: Vertical Radiation Pattern @ 5150 MHz*

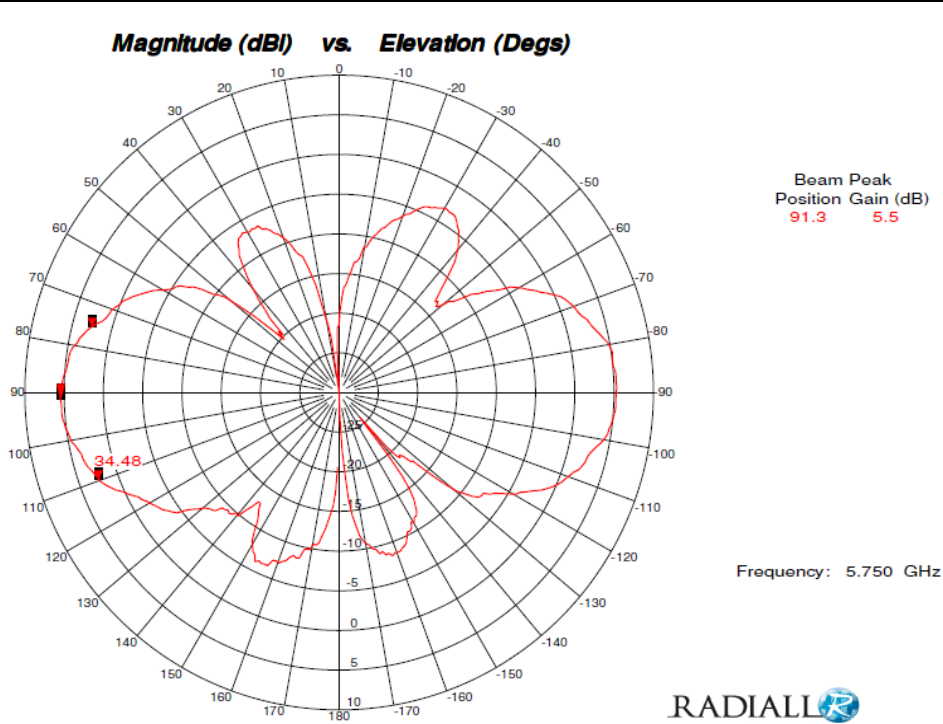


*Figure 4: Vertical Radiation Pattern @ 5350 MHz*

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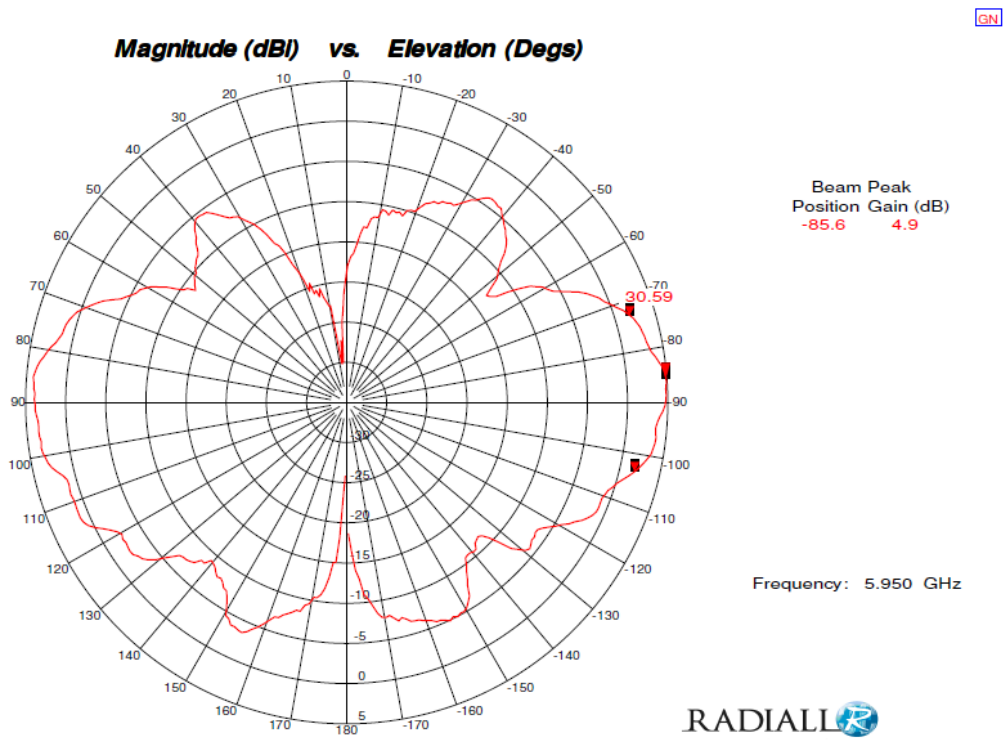


*Figure 5: Vertical Radiation Pattern @ 5550 MHz*



*Figure 6: Vertical Radiation Pattern @ 5750 MHz*

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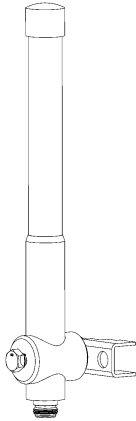


*Figure 5: Vertical Radiation Pattern @ 5950 MHz*

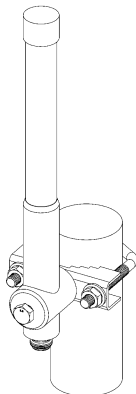
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*Installation Guidelines Using MD15-006 Clamping Mount Bracket*

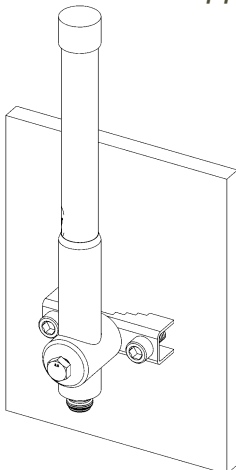
1. Position antenna into mount bracket. Tighten bolt using 13 mm wrench.



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.**





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