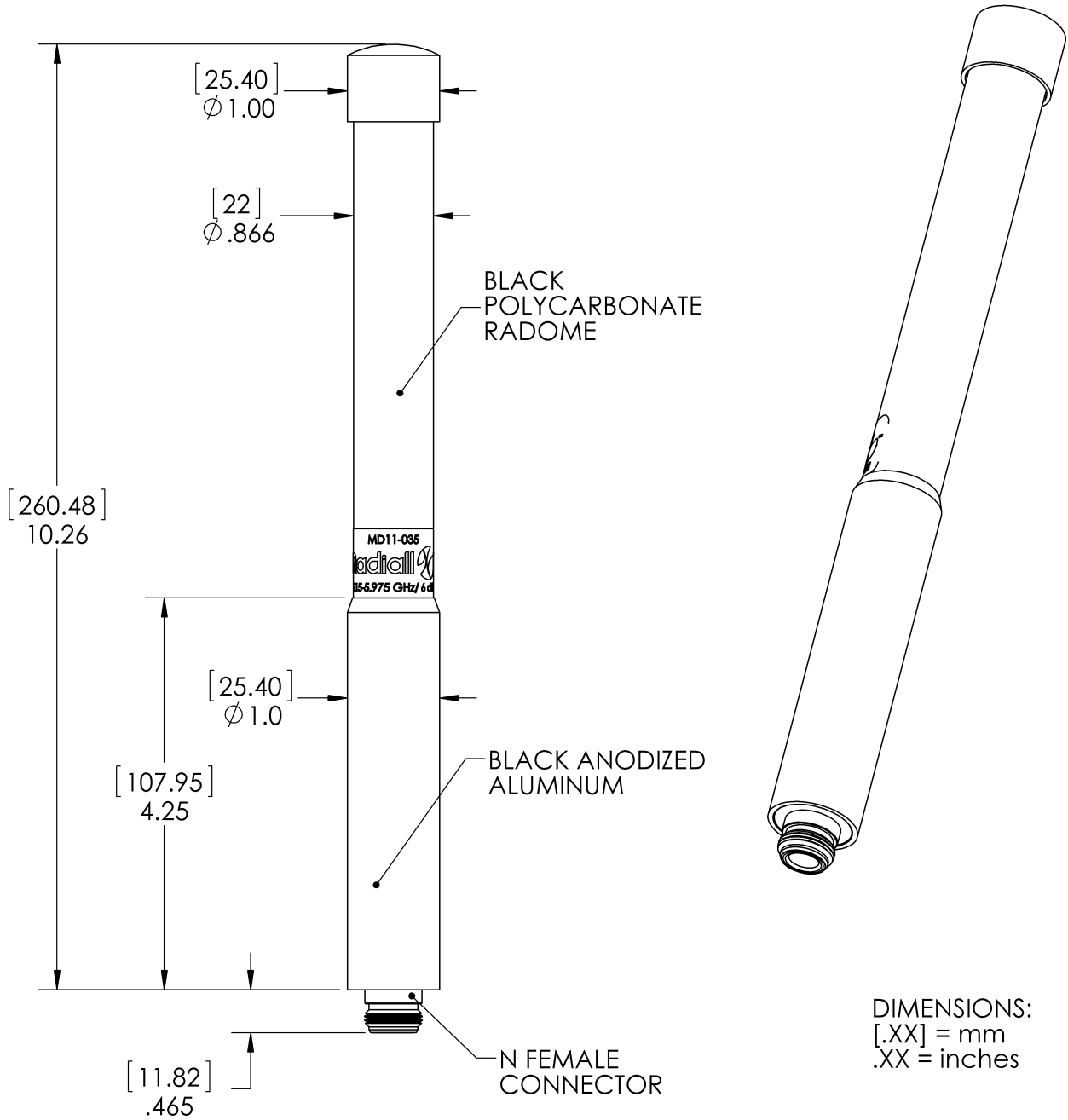


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ELECTRICAL CHARACTERISTICS

Frequency:.....	5150-5975 MHz
Nominal Impedance:.....	50 Ω
VSWR:	<2.0:1 Typical 3.0:1 Max
Typical Gain Over Frequency Band:.....	6 dBi
Radiation Pattern	
-3 dB beam-width (Elevation) :	30° (Typ)
Electrical Tilt :	0°
Side Lobes :.....	-2.5 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 :	6.25 Oz
Overall length :	10.355 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

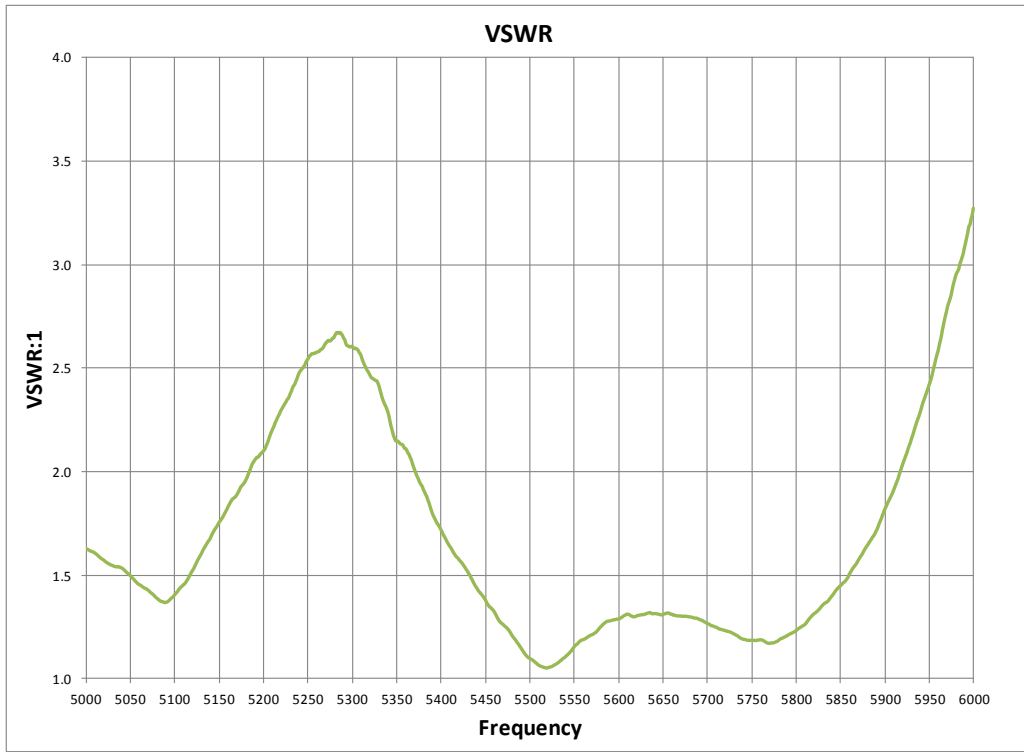


Figure 1: VSWR

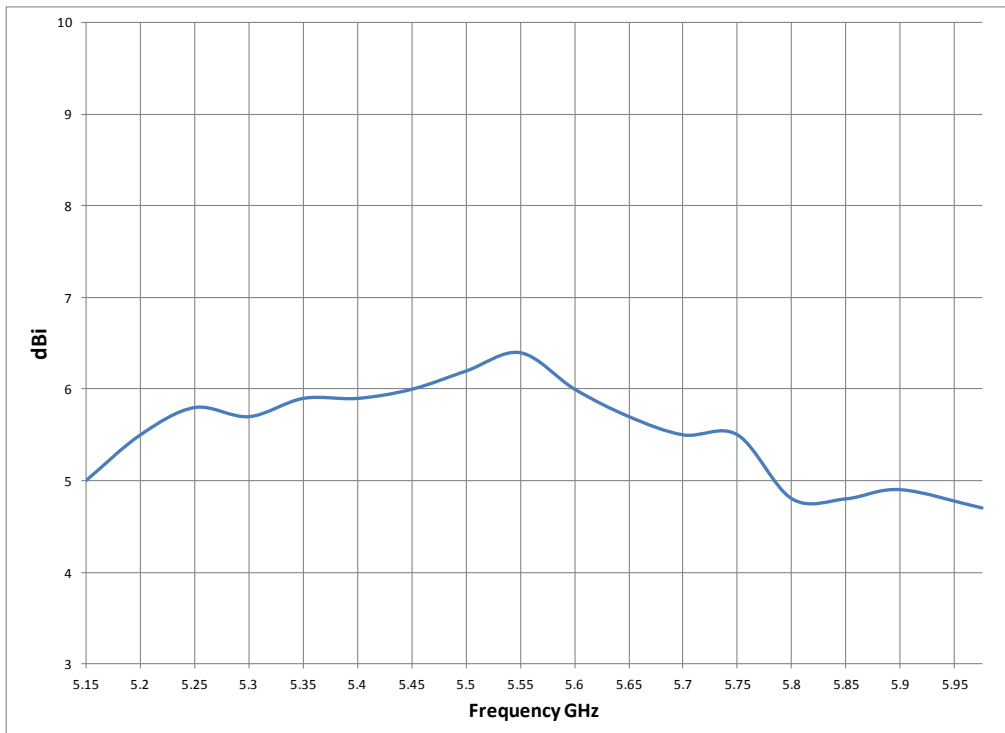


Figure 2: Gain at Horizon

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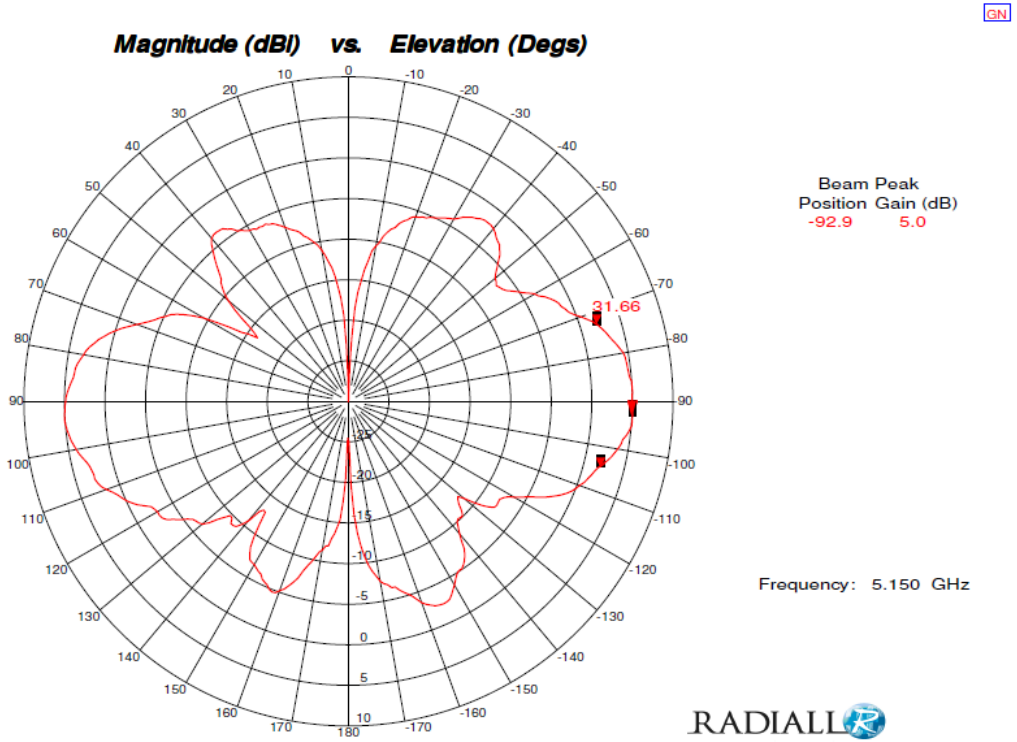


Figure 3: Vertical Radiation Pattern @ 5150 MHz

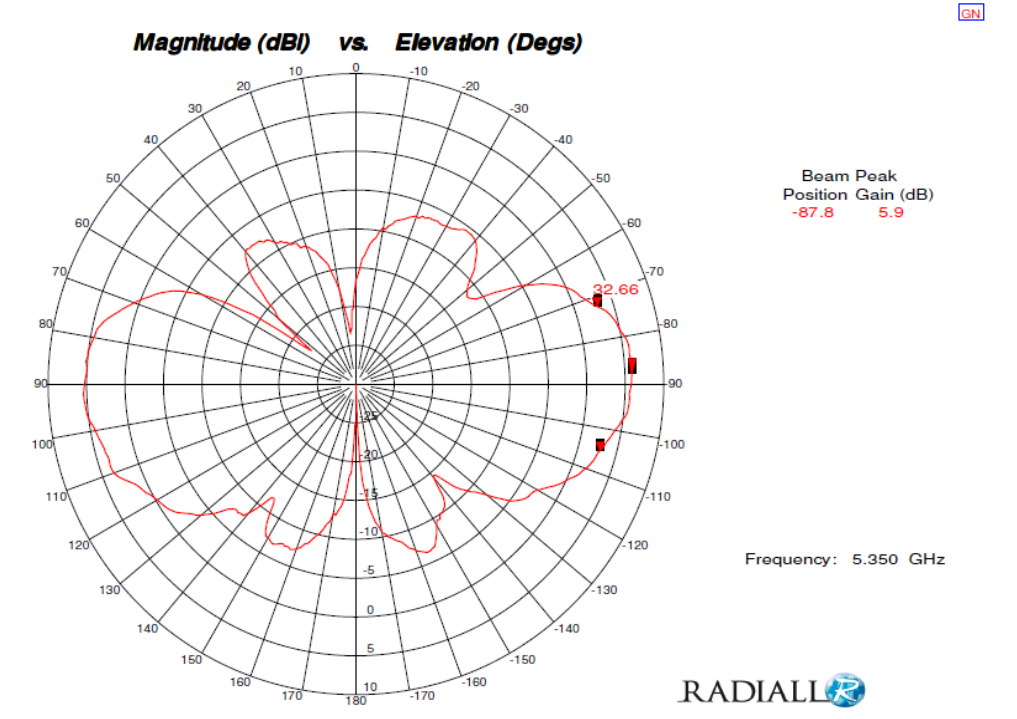


Figure 4: Vertical Radiation Pattern @ 5350 MHz

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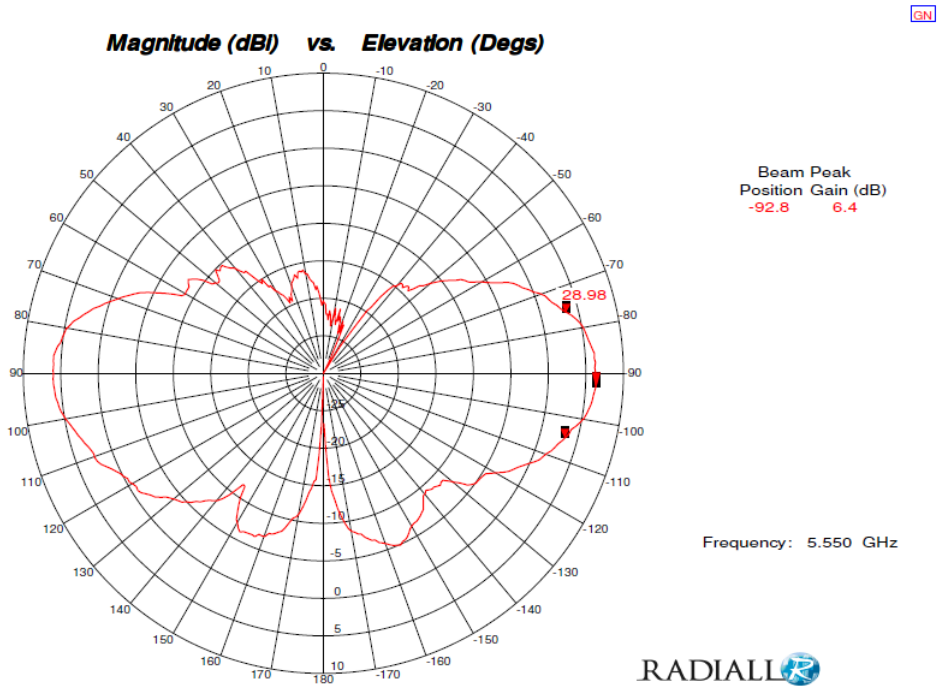


Figure 5: Vertical Radiation Pattern @ 5550 MHz

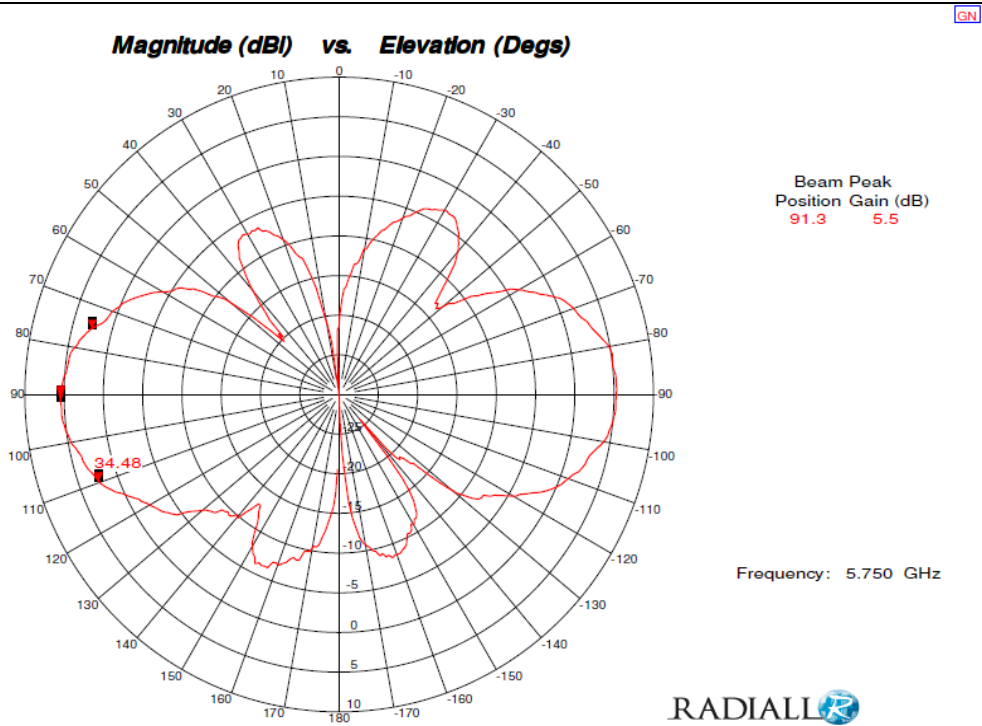


Figure 6: Vertical Radiation Pattern @ 5750 MHz

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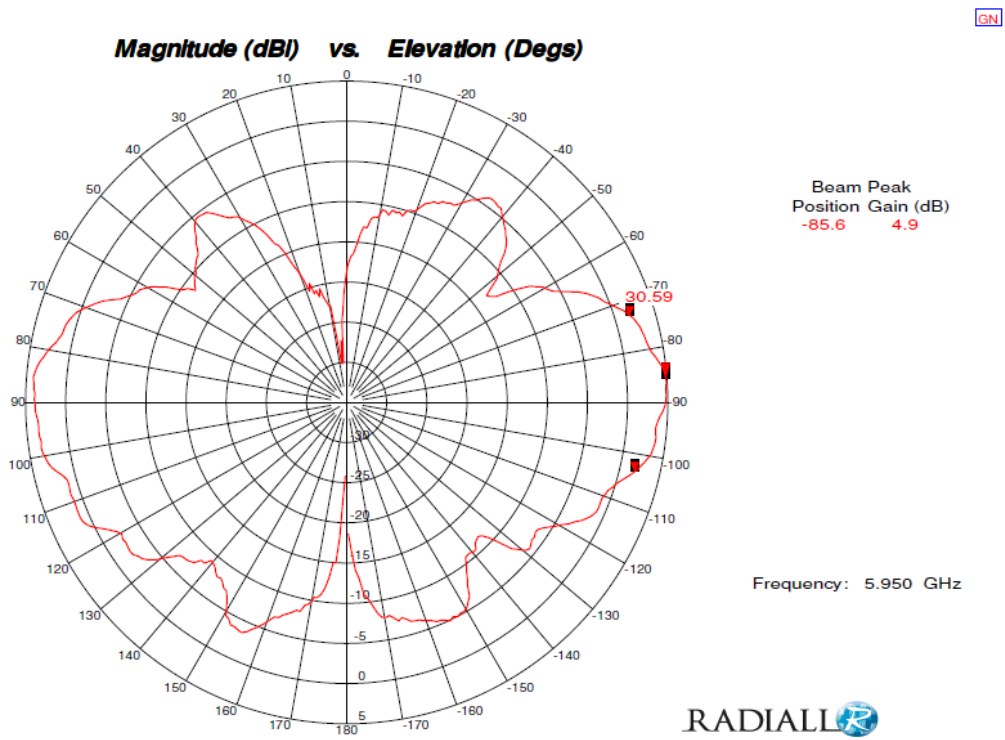
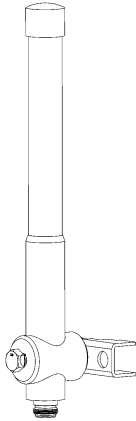


Figure 5: Vertical Radiation Pattern @ 5950 MHz

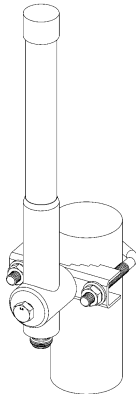
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Installation Guidelines Using MD15-006 Clamping Mount Bracket

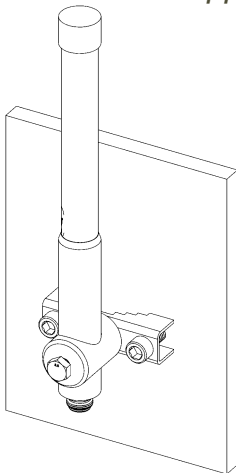
1. Position antenna into mount bracket. Tighten bolt using 13 mm wrench.



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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