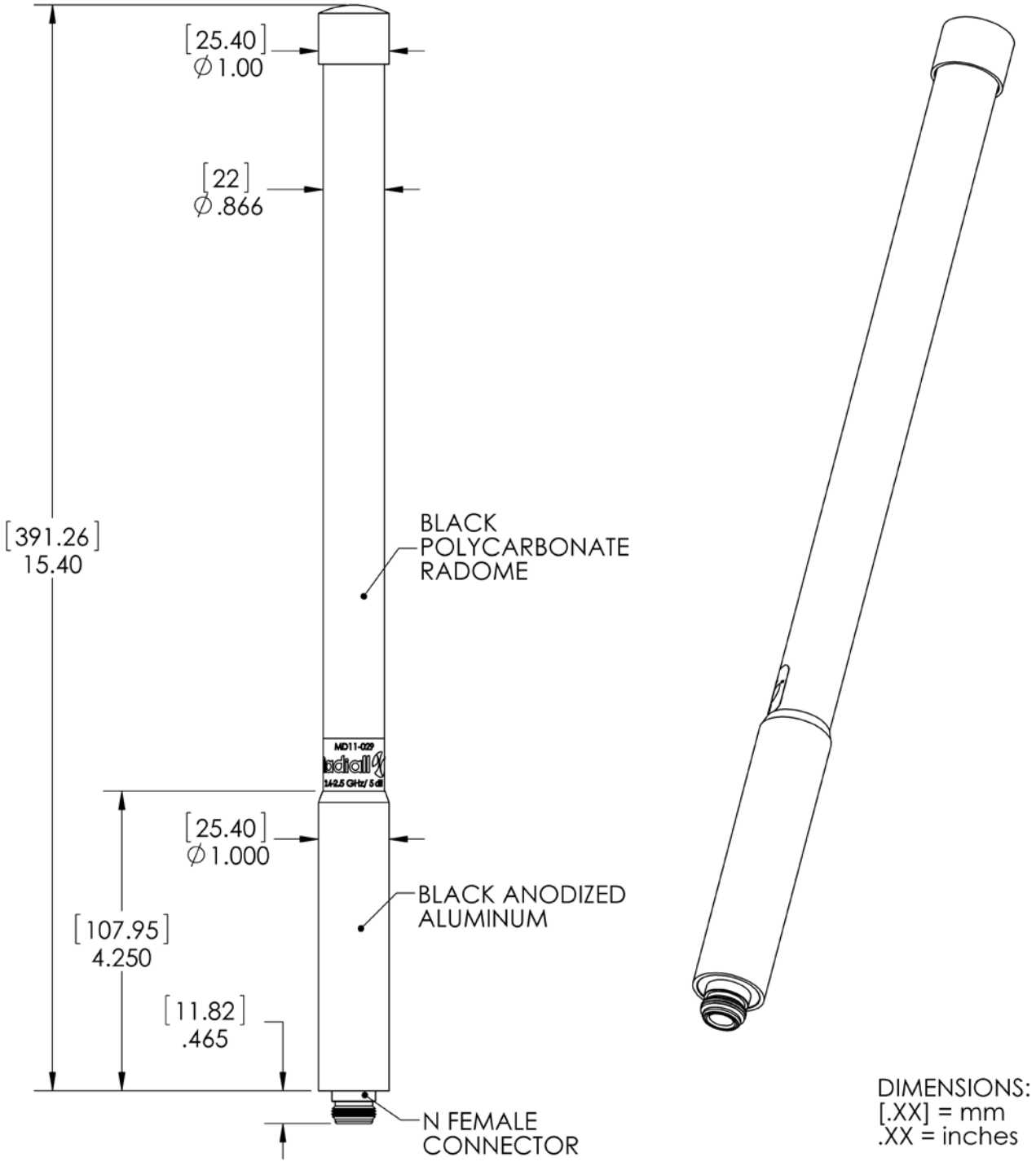
PAGE **1/7**	ISSUE **1550**	SERIES **ANTENNA**	PART NUMBER **MD11-029**



ELECTRICAL CHARACTERISTICS

Frequency:..... ..	**2400-2500**	MHz
Nominal Impedance:..... ..	**50**	Ω
VSWR:	**1.8:1**	Max
Nominal Gain Over Frequency Band:.... ..	**6**	dBi
Radiation Pattern		
-3 dB beam-width (Elevation) :	**30°**	(Typ)
Electrical Tilt :	**0°**	
Side Lobes :.....	**-6**	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 :	**7.0**	Oz
Overall length :	**15.5**	Inches Max

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.

ELECTRICAL PERFORMANCE

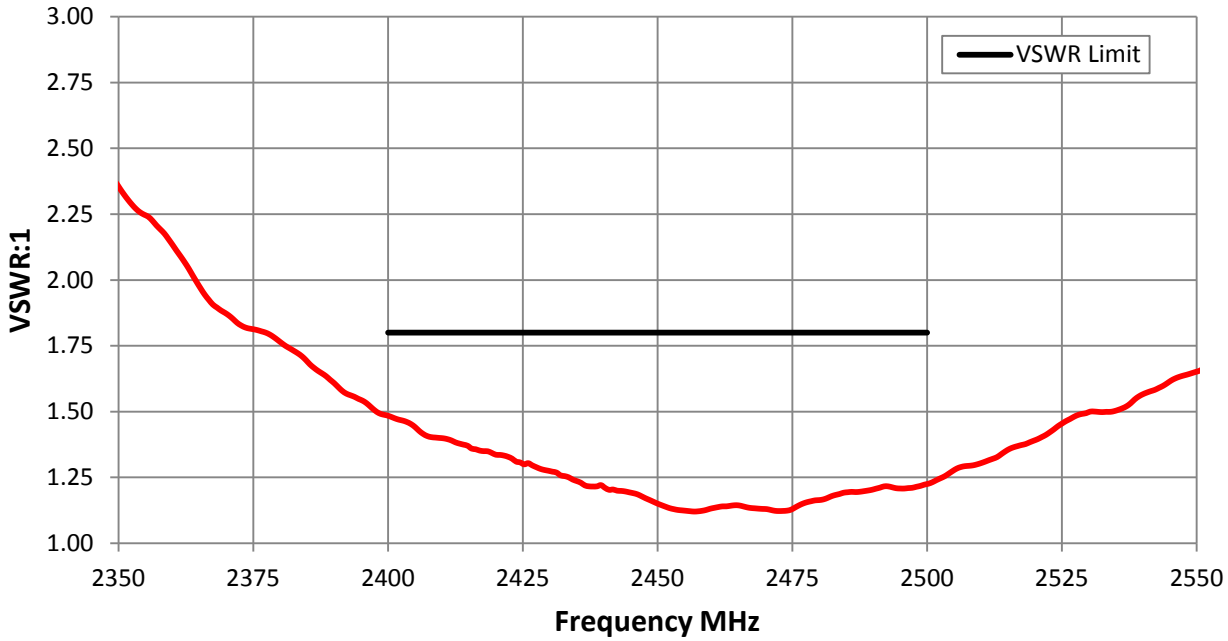


Figure 1: VSWR

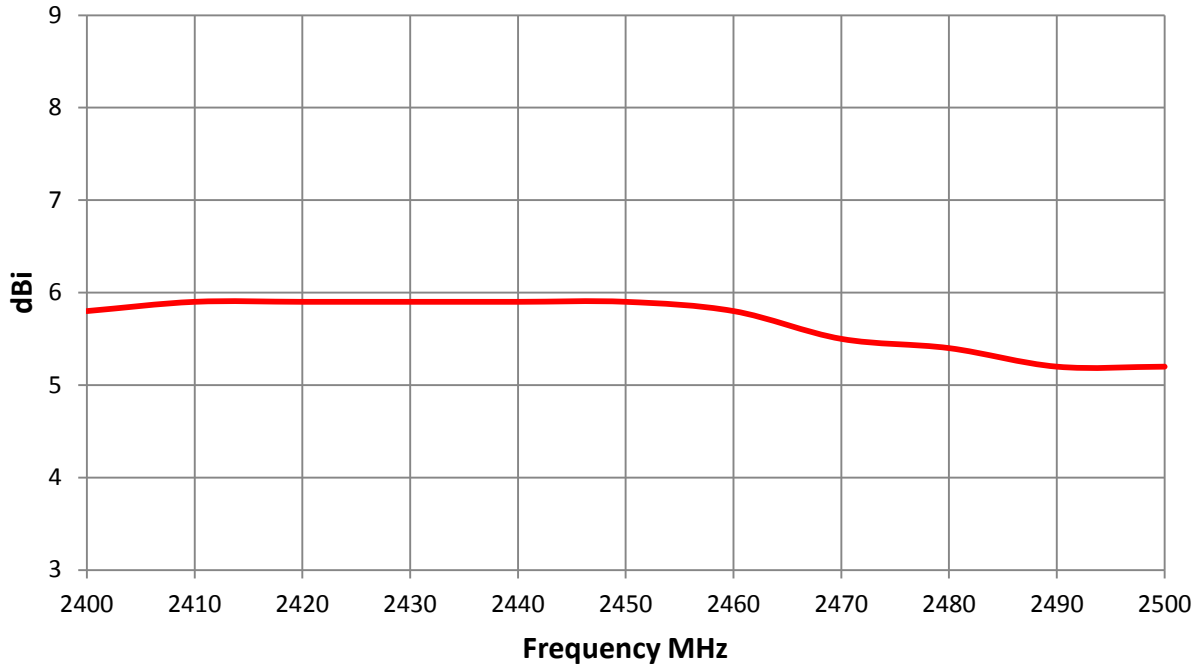


Figure 2: Gain at Horizon

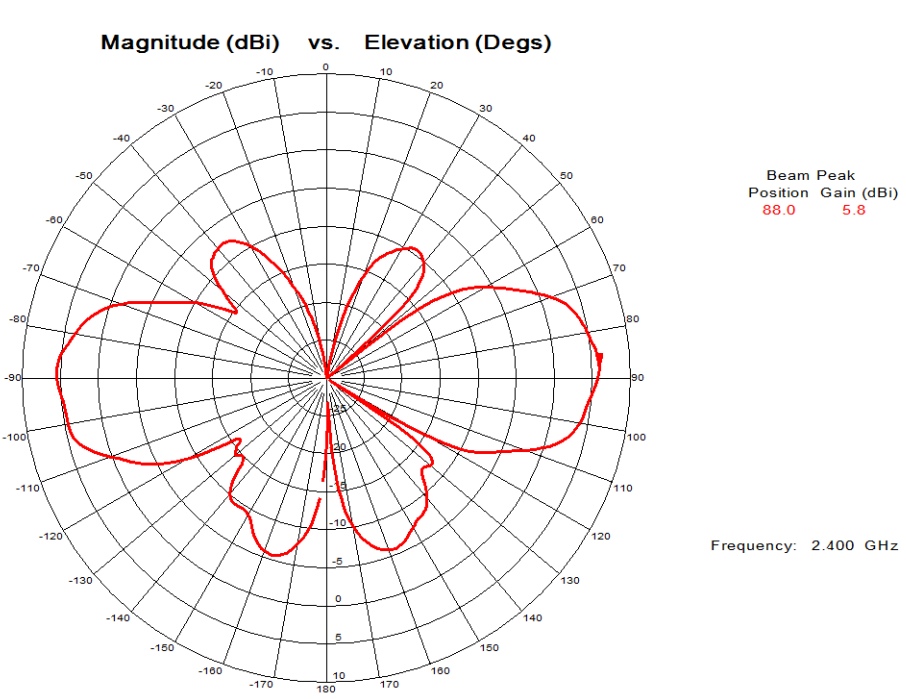


Figure 3: Vertical Radiation Pattern @ 2400 MHz

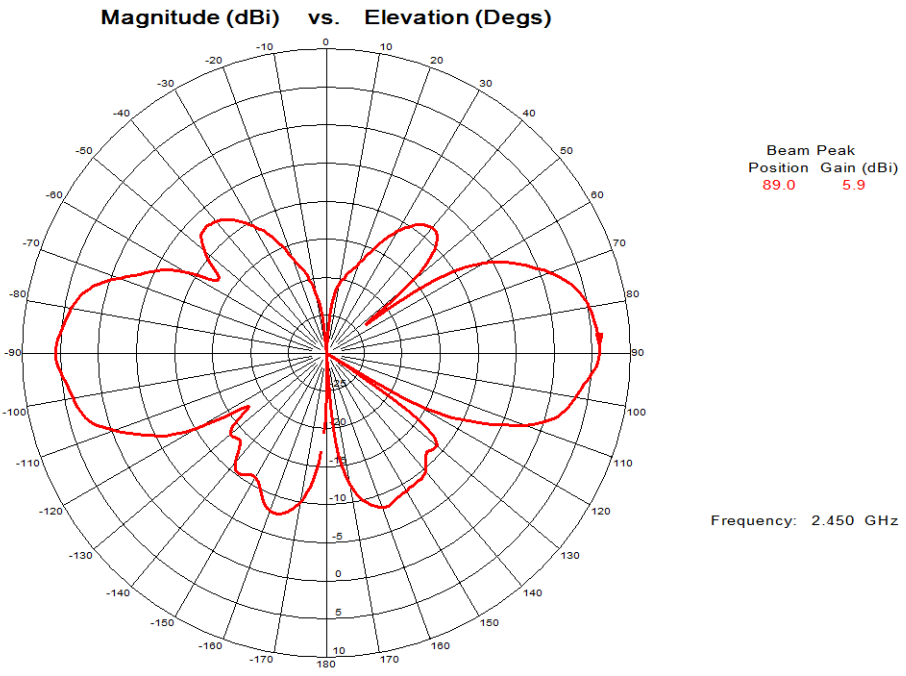


Figure 4: Vertical Radiation Pattern @ 2450 MHz

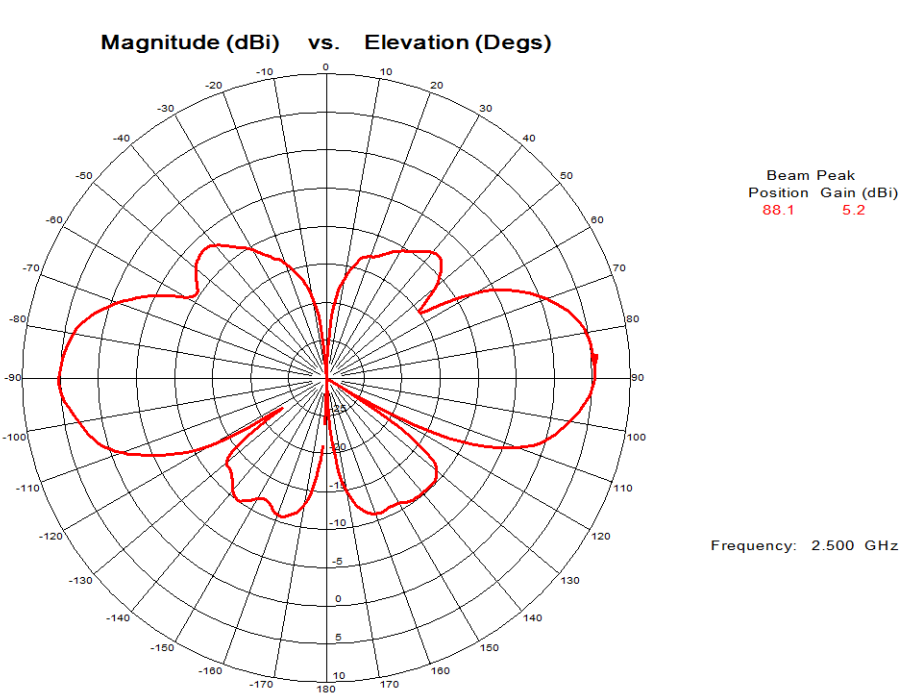
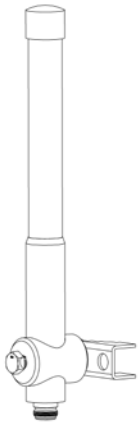


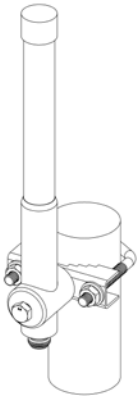
Figure 5: Vertical Radiation Pattern @ 2500 MHz

Installation Guidelines Using MD15-006 Clamping Mount Bracket

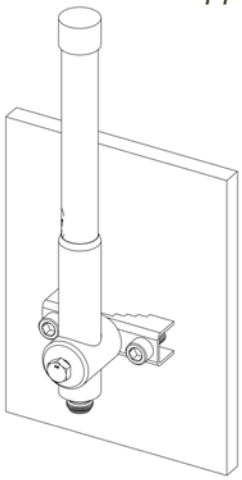
1. *Position antenna into mount bracket. Tighten bolt using 13 mm wrench.*



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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