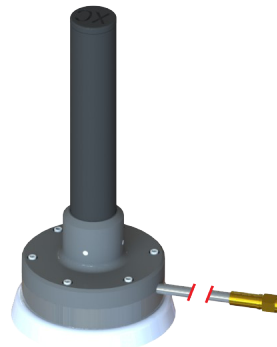


Features:

- Broad Band Coverage
- 5.9 - 6.9 GHz
- 4 dBi Omni Radiation Pattern
- Integrated Low Noise Amplifier
 - User Specified Gain to match cable loss and receiver NF
 - Low Distortion, High IP3
- Mag Mount Base
- User Specified Cable Length and Connector Type
- End Cap Lettering "XC"



Note 1: Normal loss of 10' of LMR 195 at 6.5 GHz is 4.6 dB, LNA gain is set to compensate for cable loss and receiver NF.

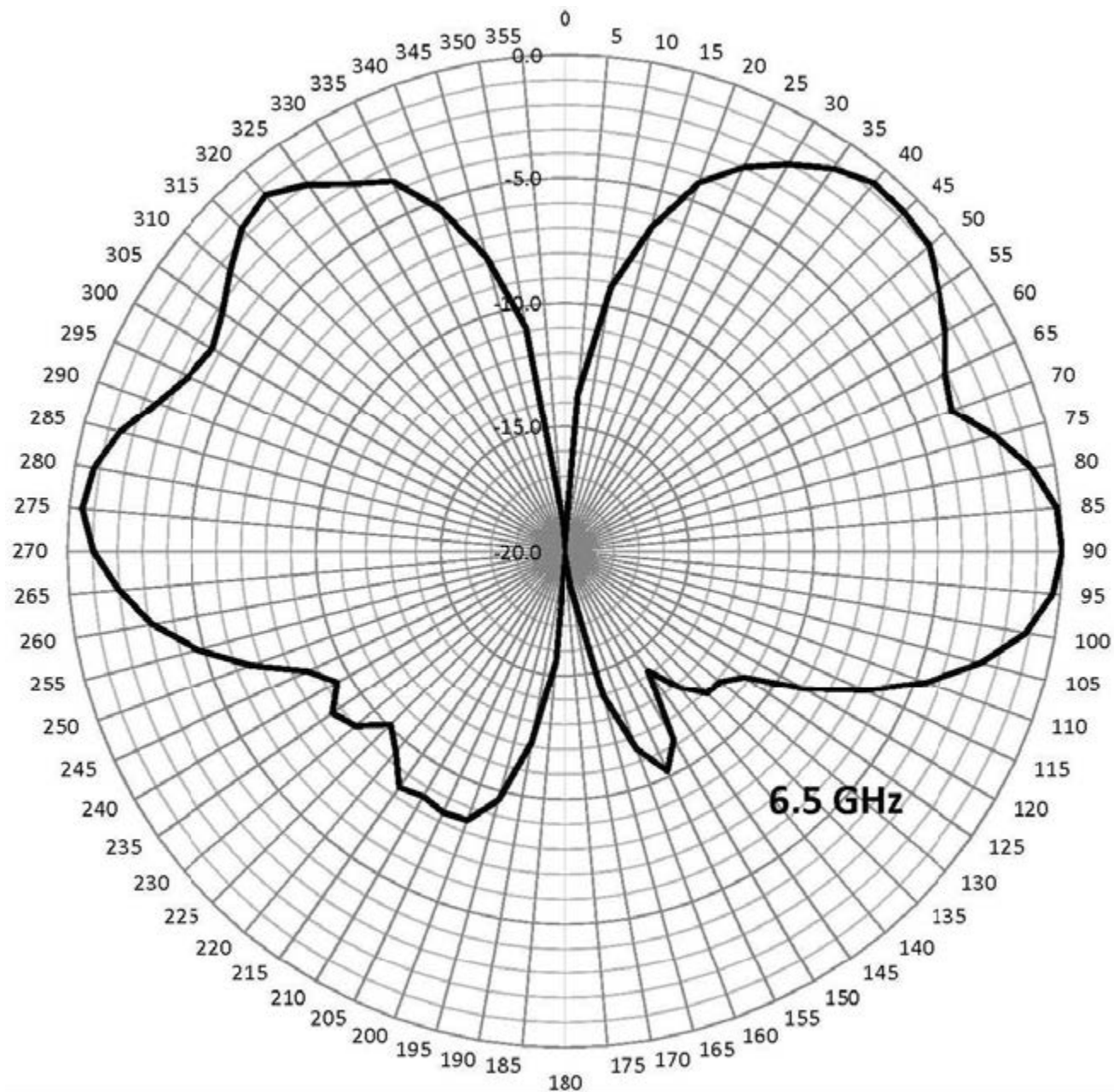
Antenna Specifications

Parameter	Value	Units	Tolerance
Antenna Pattern	Omni Antenna		
Frequency Band	C		
Impedance	50	Ohms	
Minimum Frequency	5.9 / 5,900	GHz / MHz	
Maximum Frequency	6.9 / 6,900	GHz / MHz	
Frequency Bandwidth	1.0 / 1,000	GHz / MHz	
Maximum VSWR	2:1	Ratio	
Maximum Gain	4	dBi	
Polarization	Vertical		
LED	Green Power LED on Base		
Horizontal (AZ) Beamwidth	360	Degrees	
Vertical (EL) Beamwidth	30	Degrees	

Parameter	Value	Units	Tolerance
Ground Plane Required	No		
Mount Style	Mag Mount		
Mount Diameter	2.88 / 73.03	inches / mm	
Maximum Wind Velocity	93 / 150	mph / kph	
Input RF Connector	SMA(f), N(m), or TNC(m) - User Selected		
RF Cable Type	LMR 195		
RF Cable Length	10.00 / 3.05	ft / m	
Product Height	5.93 / 150.62	inches / mm	
Product Diameter	2.88 / 73.03	inches / mm	

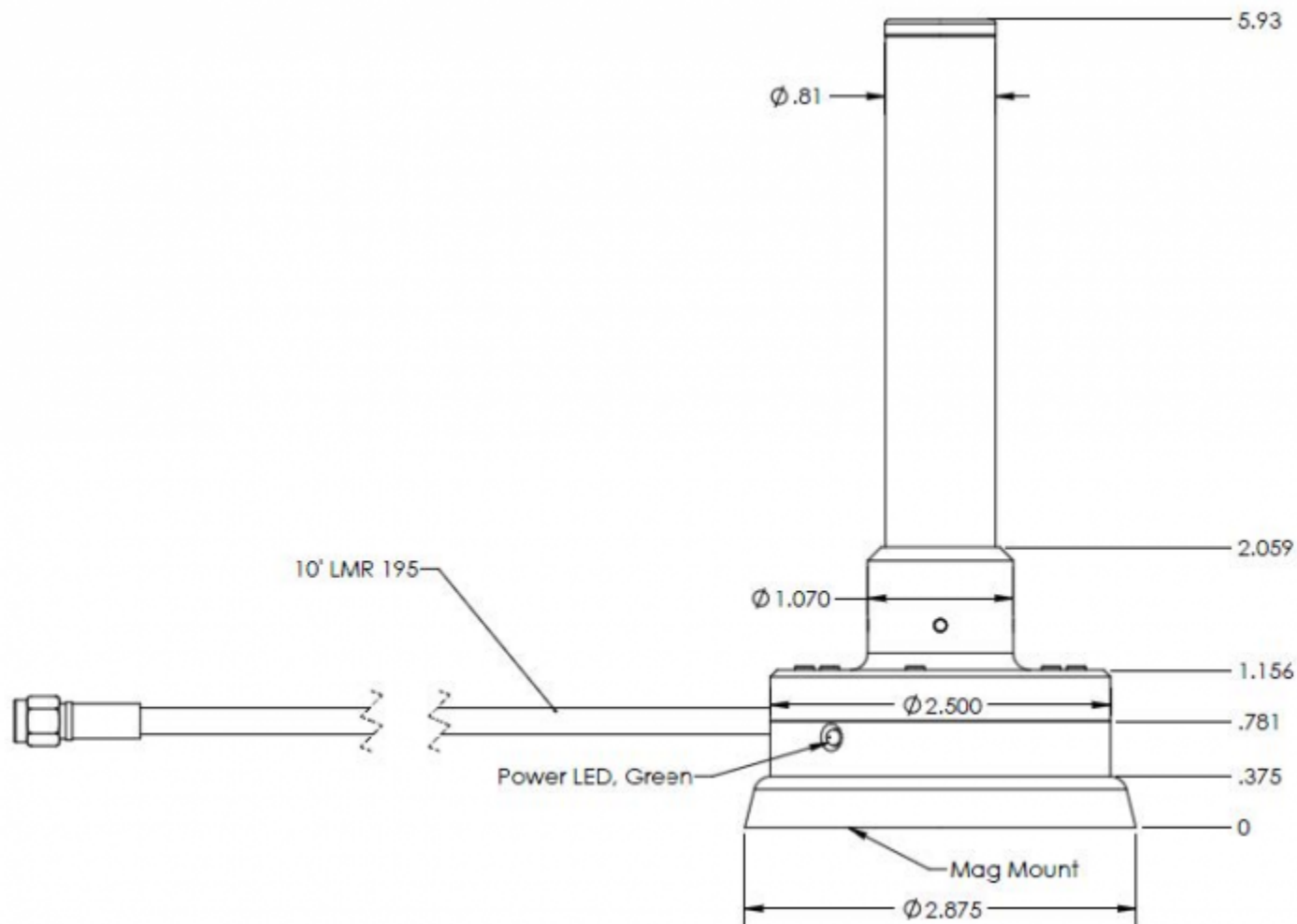
LNA Specifications

Parameter	Value	Units	Tolerance
LNA Impedance	50	Ohms	
LNA Min Frequency	5.9 / 5,900	GHz / MHz	
LNA Max Frequency	6.9 / 6,900	GHz / MHz	
LNA Gain	+7 to +19	dB	User Specified (see note 1)
LNA NF	1.4	dB	
Output IP3	28	dBm	Referred to Input
LNA Max RF Input Power	+10	dBm	
LNA DC Voltage Range	4-20	Volts	On RF Cable
LNA DC Current	90	mA	



Elevation Pattern

Referenced to 4 dBi



Engineering Drawing

All dimensions are in inches