

## 30-90MHz Antenna System

The ANT-HDC-051003-3-1 antenna system is designed to be mounted on a quick deployable mast. This antenna system consists of a 30-90MHz blade style antenna with mounting interface that includes 3 ground radial guy ropes to maximize electrical performance.

This system allows the operator to rapidly deploy Line-of-Site (LOS) communications systems that cover the 30-90MHz spectrum.

### Features

- Built to meet MIL-STD-810
- Lightweight
- Rapid Deployment
- Ground Radials Incorporated Into Guy Ropes

**PTS Part Number: ANT-HDC-051003-3-1**

\*Mast options available, please contact PTS

### Electrical Specifications

Frequency	30-90 MHz
Polarization	Vertical
Impedance	50 $\Omega$ Nominal
VSWR	2.25:1 Typical (3.5:1 Max)
Gain	-3 ~ 2.0 dBi +/- 1.0
Radiation Pattern	Azimuth 360° Elevation 90°
Power	35 Watts
Connector	PSC-5 (Other Connectors Available)

### Mechanical Specifications

Design	Monopole
Height	Antenna Height: 51.25 in. (1.30 m) Overall Height: 55.50 in. (1.40 m)
Mast Adapter $\varnothing$	1.9" (30.12 mm)
Weight	1.47lbs (23.5oz)
Color	Black

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