



Shown mounted on NTSA
Shock Absorbing Base
(see page 2 for base options)

Description

- UHF SATCOM 292-318 / 243-270 MHz
- Intended for UFO Waveform and IW in high latitude regions
- Enhanced gain at near-horizon elevation
(5 dB more than UHF243380S MUOS antenna in Rx)
- Hemispherical coverage
- Quadrifilar helix - ground plane independent
- Removable radiating element from base assembly
(interchangeable with UHF243380S MUOS element)
- Optional LNA antenna base (LNA-Base-260) provides a nominal 10 dB of Rx gain (see page 3)

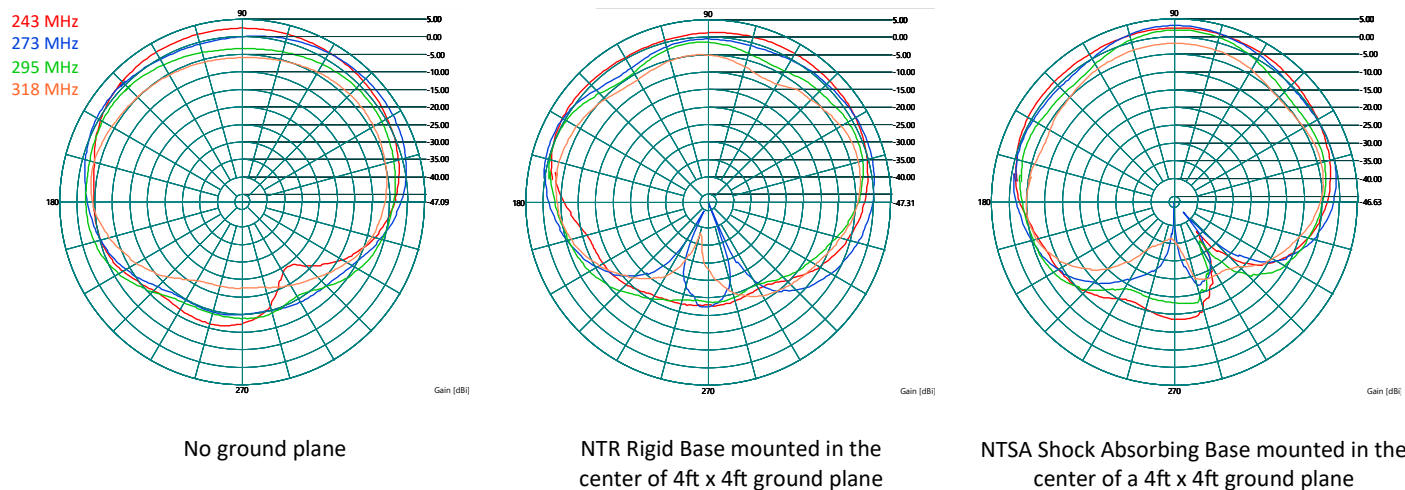
Electrical Specifications

Frequency range	243-318 MHz
VSWR	< 1.9:1
Nominal impedance	50 ohm
Power rating	60 W CW
Gain at 10° elevation	0.4 dBiC Nominal
Gain pattern	Azimuth: Omnidirectional ± 0.7 dB Elevation: See plots
Polarization	Right Hand Circular Polarization (RHCP)
Base connector	N type female

Mechanical Specifications

Design	Helical radiating element fully enclosed in a GRP radome. See page 2 for base options.
Height	See page 2
Weight	Antenna Element 3.4 kg (7.5 lbs) NTSA Dampened Spring Base 2.7 kg (6 lbs) NTR Rigid Base 0.9 kg (2 lbs) Pole Mount Base 1.2 kg (2.6 lbs)
Wind rating	55 m/s = 125 mph
Finish	Polyurethane lacquer Standard colors: Green, Tan, Black, Grey
Temperature range	-55 °C, +71°C; -67 °F, +160 °F

Typical Elevation Patterns



Mounting base options



LNA Base Options (LNA-Base-260)

- NATO 4-hole pattern
- Fast switching active low noise Rx amplifier for UHF SATCOM (UFO/DAMA/IW)
- Used to compensate for loss in cables and components between the antenna and radio
- Bias-T option



NTR Rigid Base - LNA
Base height 152mm



NTSA Shock Absorbing Base - LNA
Base height 231mm

