



Tactical Support Equipment  
www.tserecon.com

# UHF (MUOS) SATCOM Vehicle Antenna

The **TSE-UHF243380S** is a SATCOM Vehicle antenna that covers UHF SATCOM 243-380 MHz, UFO Waveform 292-318/243-270 MHz and MUOS 300-320/360-380 MHz. The antenna allows for Hemispherical coverage and has good gain at low elevation.

The design allows for different mounting base options. The optional bases include: NTR Rigid, NTS Spring and bases that includes L1 and L1/L2 GPS.

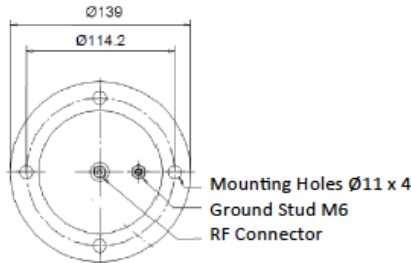
The antenna has minimum VSWR losses. The radiating element is removable from the base assembly.



Shown mounted on NTS base



Radiating element to base mounting thread



Optional MUOS External Diplexer

**Part #: TSE-UHF243380S**

## Features

- UHF SATCOM, UFO, MOUS
- Vehicle Antenna
- 60 Watts CW Power Handling
- Optional bases with L1 & L1/L2 GPS

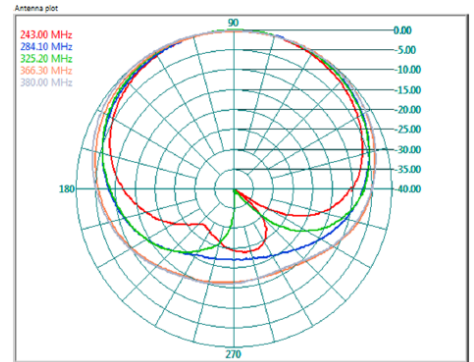
Tactical Support Equipment Inc.  
4039 Barefoot Road  
Fayetteville, NC 28306  
[www.tserecon.com](http://www.tserecon.com)

For More Information  
Contact [sales@tserecon.com](mailto:sales@tserecon.com)

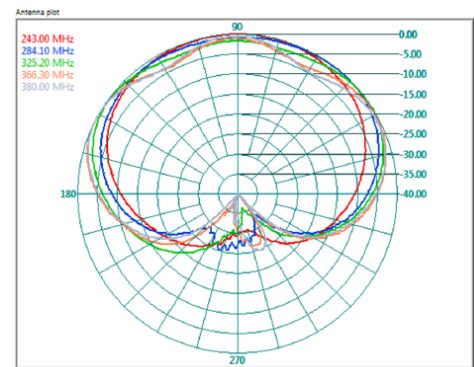
Phone: 800.889.4030  
Phone: 910.425.3360  
Fax: 910.425.3361

## Specifications (TSE-UHF243380S):

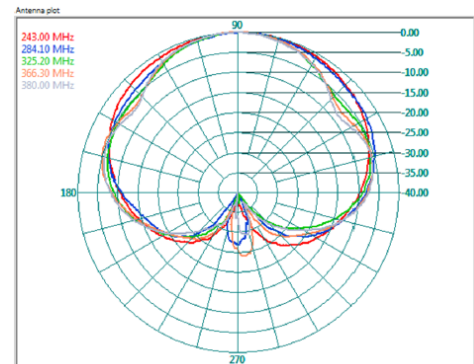
<b>Frequency Range</b>	243-320 MHz, 360-380 MHz
<b>VSWR</b>	< 2.1
<b>Nominal Impedance</b>	50Ω
<b>Power Rating</b>	60 Watts CW
<b>Gain</b>	4dBi Nominal
<b>Radiation Pattern</b>	Azimuth: Omnidirectional ±1.5dB, Elevation: See Plots
<b>Polarization</b>	Right Hand Circular Polarization (RHCP)
<b>Connector</b>	N Type Female (Others on request)
<b>Design</b>	Helical radiating element fully enclosed in a GRP radome. Mounted on a standard NATO 4-hole base
<b>Length</b>	NTR Rigid Base: 660 mm (26 inches) NTS Spring Base: 800 mm (31.5 inches) NTR Rigid GPS Base: 824 mm (32.5 inches)
<b>Weight</b>	Antenna Element: 3.1 kg (6.8 lbs) NTS Spring Base: 2.4 kg (5.3 lbs) NTR Rigid Base: 0.9 kg (2 lbs) NTR Rigid GPS Base: 2.4 kg (5.3 lbs)
<b>Wind Rating</b>	55 m/s = 125 mph
<b>Finish</b>	Polyurethane lacquer, black drab. Black base (Other colors on request)
<b>Temperature Range</b>	-55°C to +71°C (-67°F to +160°F)



No Groundplane



Groundplane and NTR Rigid Base



Groundplane and NTS Spring Base



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