

# STI-CO® Ultra-Wideband Antenna System

## Low Profile High-Efficiency Antenna

- Expansive coverage from 700 MHz to 3 GHz
- Meets MIL-STD-810 / AREMA / IPX7 / SAE J1455 environmental standards
- Rugged, compact, low-profile design for vehicular mounted applications
- Omnidirectional antenna with High-Frequency NMO Base
- Proudly made in the U.S.A. & backed by our 5 year warranty

### Electrical Specifications<sup>1</sup>

MODEL NUMBER	RFMT-UWB-7/3000-MIL
Frequency Range (MHz)	700-3000
Bandwidth (MHz)	2300
VSWR	<3.0:1
Average Efficiency (%)	82
Typical Peak Gain (dBi)	4.3
Polarization	Vertical
Radiation Pattern	Omnidirectional (Azimuth)
Input Impedance ( $\Omega$ )	50 (Nominal)
Continuous Power Rating (W)	100

### Mechanical Specifications

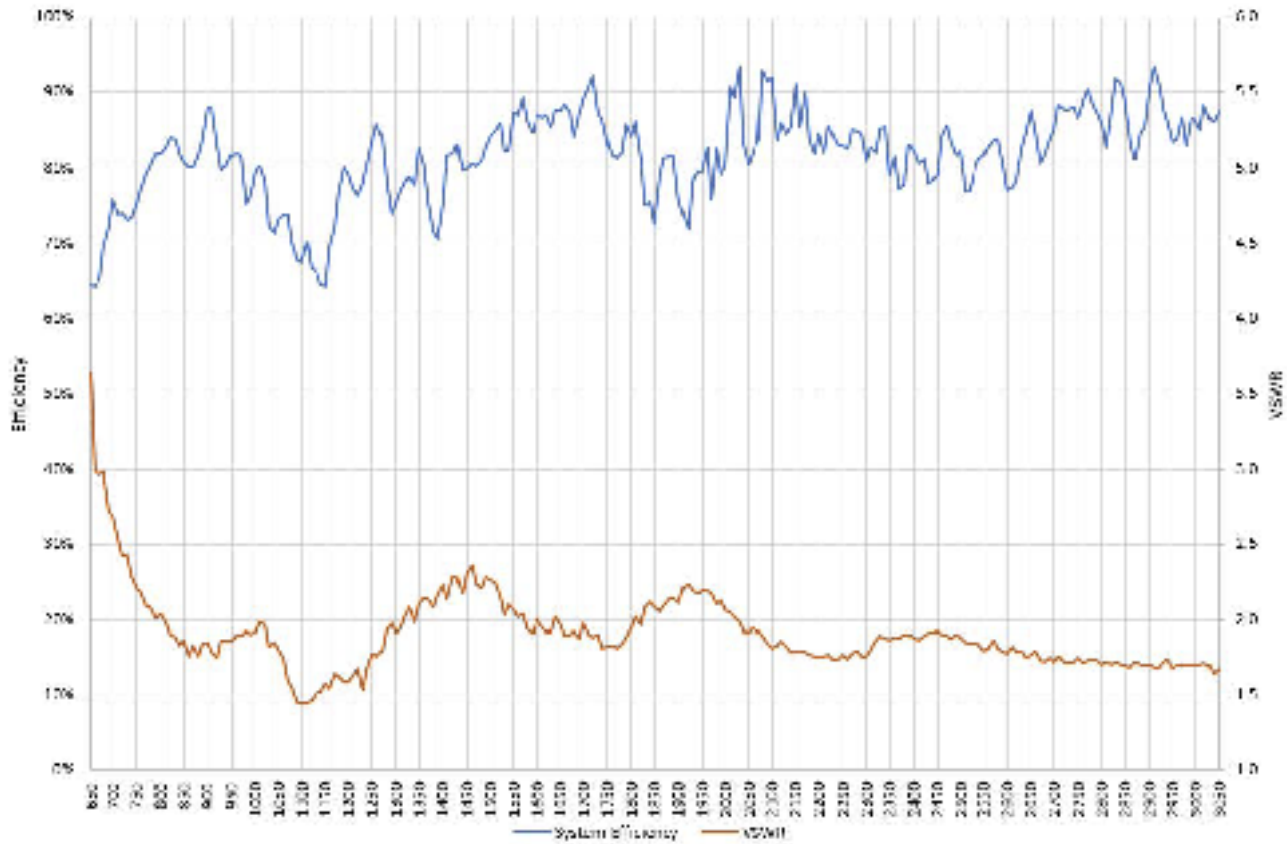
Overall Height (in)	3.61
Overall Diameter (in)	1.67
Weight (oz)	3.22 (Antenna) 2.4 (NMO-Base)
Connection	HF-NMO (5/8" Mounting Hole Required)
Radome Material	UV-Stabilized PC/PBT (Xenoy®)
Temperature Range (°F)	-40 to +160

<sup>1</sup>Measured on 24" diameter ground plane with direct connection to HF-NMO mount - no feedline loss included.



## ELECTRICAL PERFORMANCE

Efficiency and VSWR vs. Frequency



## Mechanical Drawing

