

### KEY FEATURES

Full support for L1/L2 GPS + GLONASS,  
E1 Galileo and B1 BeiDou

Support for L-Band/OmniStar

Low-profile Fuselage Mounting

Sub-centimeter phase center  
repeatability

Fully certified for airborne installations

### HIGH PERFORMANCE GNSS SUPPORT FOR AIRBORNE MAPPING AND SURVEYING

The Trimble AV37 GNSS Aviation Antenna has been designed to support centimeter level accuracy for airborne applications and track SBAS signals all in one compact design. It is fully certified by the FAA for aircraft installations.

### ROBUST, CERTIFIED GNSS AVIATION ANTENNA

Mapping and surveying from the air using GNSS requires survey grade antenna technology in a compact and reliable form factor. The Trimble AV37 GNSS Aviation antenna achieves this without compromising performance.

For more information contact

**NavtechGPS**

Your ONE Source for GNSS Products and Solutions

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TRIMBLE AV37 GNSS ANTENNA



# TRIMBLE AV37 GNSS ANTENNA

## PERFORMANCE

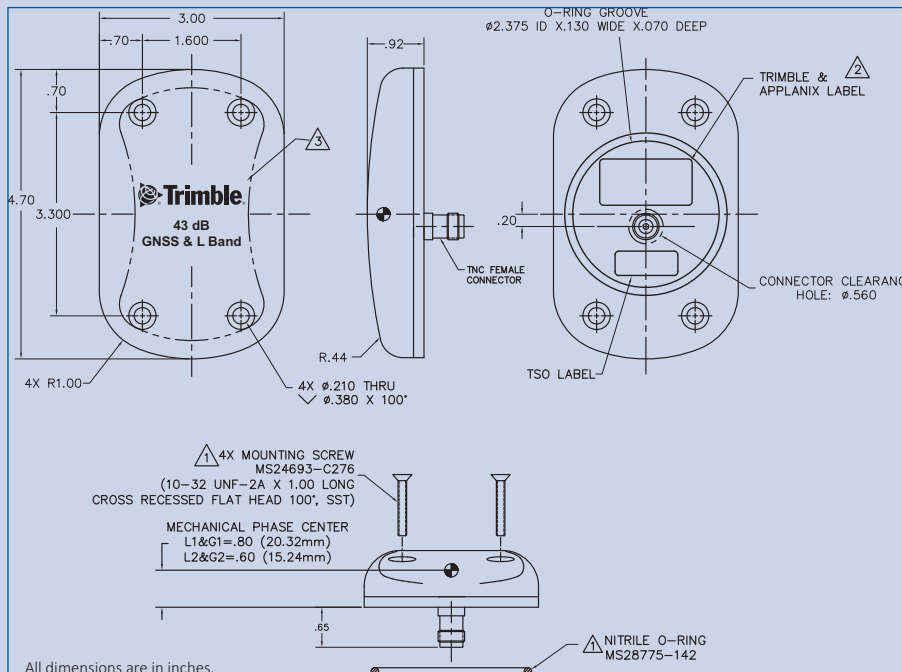
- L1/L2 GNSS + L-Band Frequency Tracking:
  - GPS: L1, L2
  - GLONASS: L1, L2
  - Galileo: E1
  - BeiDou: B1
  - SBAS: WAAS, EGNOS, QZSS, Gagan, MSAS, and OmniStar
- Quality signal tracking
- TNCF female signal connector
- Small cross-sectional area to reduce wind loading
- Low voltage, low power consumption
- Integral low noise amplifier
- Powered by GNSS receiver via coaxial cable
- High gain for reliable tracking in difficult environments
- FAA airworthiness certificate supplied with each antenna

## HARDWARE

Dimensions ..... 11.9 cm length, 7.6 cm width, 2.3 cm height  
 (4.7" length, 3.0" width, 0.92" height)  
 Weight ..... 0.283 kg (0.625 lbs)  
 Operating Temperature ..... -55 °C to +85 °C (-67 °F to +185 °F)  
 Altitude ..... ≤16,764 m (55,000 ft)  
 Finish ..... Polyurethane enamel, fluid resistant  
 Compliance ..... ROHS  
 Designed to ..... DO-160E, ARINC 743 Footprint, RTCA DO-210D  
 MTBF ..... Airborne, per MIL-HDBK-217, at an ambient temperature of +70°C  
 122,752 hours for Inhabited Cargo (AIC) environment  
 70,501 hours for Uninhabited Cargo (AUC) environment

## ELECTRICAL

Frequencies ..... 1570 +/- 45 MHz  
 1238 +/- 21.5 MHz  
 Signal gain ..... 43 dB  
 Voltage ..... 5 V DC to 15 V DC  
 Polarization ..... Right Hand Circular  
 Axial Ratio ..... 3 dB Max @ boresight  
 Amplifier ..... Noise Figure : 2.5 dBMax  
 Impedance : 50 Ohms  
 VSWR : ≤ 1.5



Specifications subject to change without notice.

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