

Sunsight Instruments - Engineering the World's Finest Alignment Tools

The **AntennAlign Alignment Tool (AAT)** is a highly accurate alignment system used during antenna installation and maintenance. It measures alignment in azimuth, tilt, roll and (optionally) AGL height. Installer friendly, it is simple to operate in awkward locations. A single person can measure and assign the results to a given antenna, instantly creating a permanent record of its alignment for accountability and traceability. After mounting the AAT, the installer adjusts the antenna until all position indicators align, tightens the mounting brackets, and presses the "capture" button. This records the final alignment specification along with latitude, longitude, installer, current date/time, and more. Records can be reviewed and reports can be generated on the AAT directly, or the alignment data can be archived centrally and accessed by carriers or contracting companies to certify the installation work was performed as specified.

The AntennAlign data file format is fully supported by Sunsight's **AntennAlign Profile Manager (APM)** software which is used to:

- Create, administer, review, and report alignment records from one or more AATs
- Archive antenna alignment history in an enterprise quality database management system (SQL)
- Export job-related alignment targets, which may be e-mailed to tower crews for display on the AAT
- Import results of tower crew alignment work
- Interface with planning and optimization tools

AntennAlign Specifications:

Azimuth Accuracy	+/- .3 degrees RMS, +/- 1.0 R99.9 when AQI > 90
Tilt Accuracy	+/- 0.25 degrees
Roll (Plumb) Accuracy	+/- 0.25 degrees
Height Accuracy	+/- 0.30 meters to 1000 meters
Weight	8 pounds w/batteries
Power	LiFePO4 rechargeable batteries (12 - 20 hours depending on Wi-fi use)

AntennAlign Alignment Tool (AAT)



AntennAlign Product Highlights

- Accurate and simple antenna alignment
- Reduces time required for microwave dish pathing
- Hardened for use on live antennas
- Multiple mounting options (stealth friendly)
- Gyroscope option when GPS satellites are obscured
- Front panel or web browser configuration and reporting of alignment data and captured results
- Long range Wi-Fi remote configuration and control
- LASER Rangefinder for measuring height
- Removable SD Flash memory card
- Standard rechargeable batteries / Alkaline backup

Quality Assurance Benefits

- APM data management processes ensure data integrity
- Accountability and traceability of alignment results
- Seamless integration with planning and optimization tools
- Realtime GPS Azimuth Quality Indicator (AQI)
- Reliable antenna certification audits
- Helps carriers meet performance requirements for location-based services, such as E-911 and value added customer features

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