

Sunsight™
Alignment Solutions



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AntennAlign Alignment Tool (AAT)

Field-proven, High-quality Antenna Alignment Solutions

- ✓ Align antenna azimuth, tilt, roll and height better than carriers' specifications
- ✓ Full-size cellular panel antennas, all Ericsson AIR antennas, small cell housings, and the ability to capture azimuth from the ground
- ✓ Create alignment report for individual antennas or entire site. Includes azimuth, tilt, roll, height and geographic location (Lat/Long)
- ✓ Send reports with all antenna measurements right from the site using any device (Android, iOS, Windows, etc)
- ✓ No additional software, no post processing, no cables required
- ✓ Lightest instrument on the market at 3.6 pounds; fast, easy to use mount at 2 pounds
- ✓ Most durable unit available; RF shielded, weather proofed aluminum housing; wet, cold, extreme heat are no match for the AAT-30
- ✓ Measuring position for RF Panel Alignment on the tower or from the ground, Small Cell to Ericsson Air antennas, and MW Path Alignment – we do it all

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Other Alignment Methods



Sunsight Alignment Tools



Setting alignment correctly with the worlds most accurate alignment tool eliminates return trips.

Technical Specifications

Accuracy:

Azimuth R99*	.75°
Azimuth RMS*	.3°
Tilt/Roll	.1°
Horizontal Position	30 cm (SBAS)
Vertical Position (MSL)	60 cm (SBAS)
Altitude w/ Laser Rangefinder	30 cm (AGL)
GPS Receiver	540 channel
Satellite Constellations	GPS and GLONASS

Battery:

Type	LiFePO4
Life	9 hrs
Charge Time	1.5 hrs

Weight:

Unit	3.6 lbs; 1.6 kg
Side Mount	< 2 lbs; 0.9 kg
Unit Dimensions	17"x3.8"x1.7" / 43.2cmx9.6cmx4.3cm

Environment and Connectivity:

Op Temp	-40°C to 70°C (-40°F to 158°F)
Storage Temp	-40°C to 85°C (-40°F to 185°F)
Humidity	95%
Communications	802.11b,g,n
Output	PDF, CSV, HTML, Proprietary encrypted format
Memory	4 GB
Industry Certifications	CE and FCC

Accessories

Part #:

Description:

P/N 2100	Air Mount (Required for Ericsson Air11, Air21, and Air32 alignments)
P/N 2101	Small Cell Mount – round mount for tubular and tapered antennas.
P/N 3300	Azimuth Scope Kit – allows AAT user to measure antenna azimuth from the ground within 2°. Especially useful for quick audits for towers with T-booms, Powerpoles, or Osprey nests where climbing and installing AAT on panel antenna is not permitted.
P/N 3301	Laser Rangefinder ('Laser Tape Drop') – enables AAT to capture Above Ground Level (AGL) height to +/- 1 ft. (0.3 meters) Measurements can be used in lieu of a traditional tape drop.
P/N 4100	Browser Enabled IP68 Waterproof Rugged Android smartphone.
P/N 7500	Hard Case watertight, crushproof and dustproof.

*RMS or root mean square is 1 sigma or (68%) accuracy specification, not meaningful for QoS test equipment. R99 is 3 sigma (99.7%) accuracy within stated specification about 3 times RMS specification. Sunsight AATs are more accurate and more reliable.

