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
Technical Specifications

**Accuracy:**
- Azimuth R99*: 0.75°
- Azimuth RMS*: 0.3°
- Tilt/Roll: 0.1°
- 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” x 3.8” x 1.7” / 43.2cm x 9.6cm x 4.3cm

**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**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
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<tbody>
<tr>
<td>P/N 2100</td>
<td>Air Mount (Required for Ericsson Air11, Air21, and Air32 alignments)</td>
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<tr>
<td>P/N 2101</td>
<td>Small Cell Mount – round mount for tubular and tapered antennas.</td>
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<tr>
<td>P/N 3300</td>
<td>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.</td>
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<tr>
<td>P/N 3301</td>
<td>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.</td>
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<tr>
<td>P/N 4100</td>
<td>Browser Enabled IP68 Waterproof Rugged Android smartphone.</td>
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<tr>
<td>P/N 7500</td>
<td>Hard Case watertight, crushproof and dustproof.</td>
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*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.