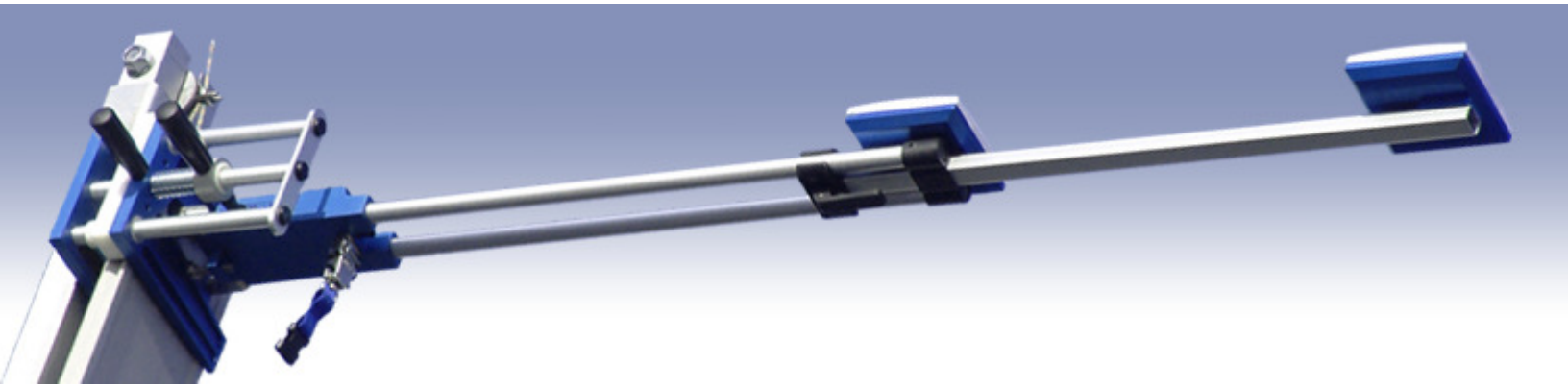
SPAA05-NEX

Satellite Positioning Antenna Alignment Tool

Accurate • Fast • Easy to Use



The World's Standard in Antenna Alignment

3Z PRODUCTS

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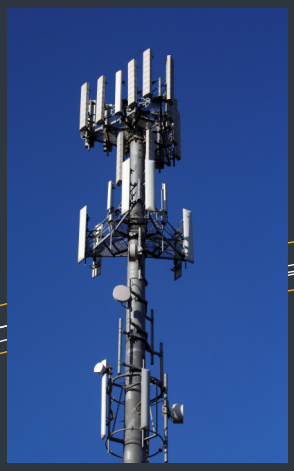

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ACCURACY

The SPAA05-NEX uses precision GPS Technology to measure, in real time; the exact antenna bearing within 2 minutes after the system is switched on. The resulting bearing is accurate within a tolerance of ± 0.5°

EASY TO USE

The SPAA05-NEX was design with the Tower Technician in mind. Our fast-lock antenna clamp solutions makes antenna attachments a breeze. Our measurement display units are easy to read and update in real-time.

RECORD YOUR RESULTS

A simple 3-step procedure measures and stores an antenna bearing as well as additional site information. Our file encryption process stores the measured azimuth along with position, date, and time stamp. Back-office processing takes just a few minutes per site leaving you with a carrier approved preformatted report

SPAA05-NEX KIT INCLUDES:

- GPS Antenna Boom with an integrated Alignment Computer and Bluetooth Transmitter.
- Fast Lock Antenna Clamp
- Home/Car Portable Battery Charger
- HP IPAQ Touch-Screen PDA
- Wired Remote Display Unit
- Hard Carrying Case for Entire Package
-Soft Carrying Case for Tower use.
- Data Translator Back–office Processing Software and Report Generator
- ON/OFF Key Dongle and Battery Check
- Safety Lanyard

Main Functions

The SPAA05-NEX system features an easy-to-use antenna clamp, convenient handheld PDA, and time saving back-office post processing software.

Improve Network Performance

The SPAA05-NEX GPS based Antenna Alignment Tool is specially designed to improve the nominal antenna Bearing (Azimuth) of GSM, CDMA, WiMax, WiFi, LTE, Microwave and UMTS Mobile Networks. Accurate antenna alignment can improve key performance indicators such as network accessibility and call retainability.

Give Your Customers Accuracy

With conventional antenna alignment methods such as a magnetic compass or triangulation, most installation companies cannot achieve the current carrier requirement of between ± 3° or ± 5°.

For that reason most US and European Network operators have made the SPAA05 tool their standard and preferred antenna alignment method.

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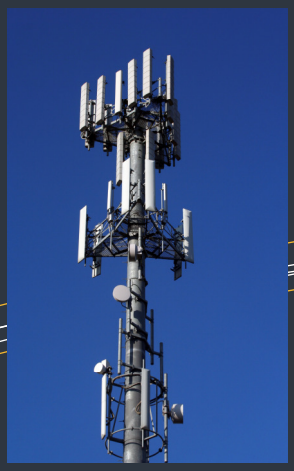
Contact a Sales Representative at 954-581-6565 or Sales@3ZProducts.com



SPAA05-NEX

Technical Specifications

TECHNICAL SUPPORT

With the purchase of a SPAA05-NEX comes lifetime support. We offer SPAA0-NEX training, repair, yearly inspections, software support and field support. Your technical support team are experts in all facets of the SPAA05-NEX. New Software release, no problem, our dedicated team of professional will guide you through this process.

EXPERIANCE

The SPAA05-NEX has been in the market place for several years now and listening to our customers is what we're best at. From the original SPAA05 product offering to today's robust kit the SPAA05 has been modified over a dozen times. We are not stopping here, advancements to the SPAA05 are continuing today and will continue into the future

QUALITY CONTROL

The SPAA05 meets an exceed the industries most demanding manufacturing specs. We take pride in the quality of our manufacturing and understand the importance of a dependable product.

GPS Receiver

24 channel DIFF/DGPS GPS Receiver with WAAS

Accuracy

Heading: 0.5° RMS
Mechanical Tilt: 0.5° RMS (Option)
Position: 2ft RMS
Altitude/Height: 2.0m AMSL

Power

Home/Car Charger: 12/110/220V
Battery: NiMh 8.4V 2700mAh
Battery Life: 8 hrs
Charge Time: 4 hrs

Dimensions

Length: 33 inches
Width: 4.5 inches
Height: 3 inches
Weight: 5 lbs
Indicators: Power, Heading, Differential, On-Board Receiver 1 and 2.

Communications

9P Comport on 38400 Baud UART
Built-in Bluetooth Class 1 Transmitter > Approximate Range 300 ft
RDS 1/2/3 Comport
Remote Tilt-Sensor Port (proprietary)

Environmental

Operating temperature: -10°C to 50°C (14°F to 122°F)
Storage temperature: -40°C to 85°C (40°F to 185°F)
Humidity: 95% Non-Condensing

Site Output Data

Site information (Name, location, etc.), Cell/Sector ID, Antenna Bearing (True North, Measured and Difference), Mechanical Downtilt, Date/Time Stamp, Latitude / Longitude, Antenna Serial and Model Numbers, Antenna Height, and SPAA05 hardware and software information.

Accessories

Fast Locking Antenna Clamp (Included in Kit) >

Universal Antenna Strap Clamp >

Tilt/Roll Sensor on Antenna Bracket (Measures Mechanical Downtilt and Roll)

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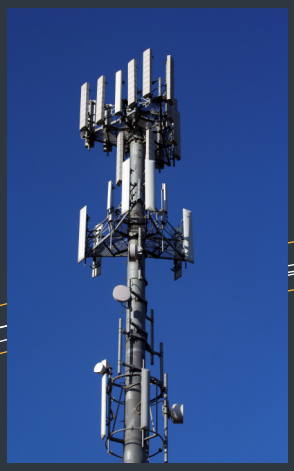

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EUROPE

Carrier in Europe have been using the SPAA05-NEX for years. The first wave of antenna installs with the SPAA05-NEX originated in the United Kingdom then quickly spread to The Netherlands, Germany, France , and other parts of Europe.

AMERICAS

The SPAA05-NEX was introduced to the United States in 2005. Several American Carriers have already made the SPAA05-NEX the preferred method for all antenna installations. All carriers in the United States are expected to make the SPAA05-NEX their preferred antenna alignment method.

ASIA

The Asian telecom market has experienced a big boom in the last decade. Network Operators in India , Singapore, and Japan have all began using the SPAA05-NEX for antenna installations. More specifically an Indian Operator has began a country wide optimization project with the SPAA05-NEX for a few thousand sites.

SPAA05-NEX has been used in these Networks:

T-Mobile · aircell · kpn · vodafone · verizon wireless · O2 · BT · metroPCS · mobilkom austria · orange · COX · swisscom mobile · e-plus · Federal Aviation Administration · TELECOM ITALIA · Airtel · ANCEL

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