

ZN30901 Site Validation Loop Antenna Test System - Product Datasheet

Manufacturer: Beijing Daze Technology Co., Ltd.



1. Product Overview

Model: ZN30901
Type: Site Validation Loop Antenna Test System
Frequency Range: 9kHz - 30MHz

The ZN30901 Site Validation Loop Antenna Test System is designed with two subsystems: a transmission subsystem and a reception subsystem. The PLA-R signal reception subsystem includes a tripod, preamplifier, and loop antenna that can be oriented in three orthogonal directions. The PLA-T signal transmission subsystem includes a tripod, power amplifier, and loop antenna, also allowing orientation in three orthogonal directions. A laser alignment system makes setup easy, and certified test data from accredited institutions are provided for result comparison.

2. Technical Specifications

Receiving Antenna

Parameter	Specification
Frequency Range	9kHz - 30MHz
Antenna Area	Square, 60cm sides
Antenna Height	1.3m (center)
Preamplifier Gain	30dB
Output Voltage SWR (Active Mode)	<1.1
Maximum Output Level	119dBuV (in active mode)
Cross Polarization	>30dB
Connector Type	N-female
Battery Operating Time	>4h
Case Dimensions	900mm × 830mm × 360mm
Weight	35kg

Transmitting Antenna

Parameter	Specification
Frequency Range	9kHz - 30MHz
Antenna Area	Square, 60cm sides
Antenna Height	1.3m (center)
Amplifier Gain	30dB (output 33dBm)
Maximum Input Power	3dBm
Input Voltage SWR (Active Mode)	<1.5
Connector Type	N-female
Battery Operating Time	>4h
Case Dimensions	900mm × 830mm × 360mm
Weight	35kg

3. Components and Accessories

Item	Quantity
Site Validation Loop Antenna System	1 set
Charger	2 units
1.5m SMA-M to SMA-M Cables	2 units
User Manual	1 copy
Certificate of Conformity	1 copy
Special Packaging Case	2 units

4. Installation and Operation Instructions

- Both the transmission and reception antennas come with tripods for easy setup.
- Use the laser alignment tool to assist in precise antenna orientation.
- The system operates in both passive and active modes with simple switching mechanisms.
- Easily change polarization to X, Y, or Z axes without tools.

5. Warranty and Storage

- **Warranty Period:** 18 months from the date of shipment.
- **Storage:** Store in a dry, magnetic-free environment. Recharge every three months if not in use.
- **Transportation:** Handle carefully during transport to avoid damage. Ensure protection from moisture.

6. Product Photo



Contact Information:

Beijing Daze Technology Co.,

Phone: 010-64357789

Fax: 010-64373942

Website: www.zn734.com.cn

Email: 781920339@qq.com