

The AX-37A antenna is a compact UHF directional antenna with an built-in amplifier, providing a high performance alternative to conventional UHF antennas and is ideal for surveillance, monitoring and measurement purposes.

This log-periodic antenna is constructed on a high-quality fibre-glass substrate, with a low noise amplifier and built-in 9V battery holder. The amplifier is powered using a standard 9V battery. The integrated power switch is supplied to extend battery life when not in use.

The antenna is ideally suited for reception of UHF point-to-point communications where its directional characteristics significantly improve the rejection of interfering signals.

The AX-37A covers the frequency range of 300 to 3000 MHz. A much wider frequency range can be received with reduced gain.

The antenna is suited for interior reception and its small footprint, only 293mm x 213mm makes concealed installation possible. The antenna is lightweight and installation can be achieved within minutes using double-sided adhesive tape for indoor applications.

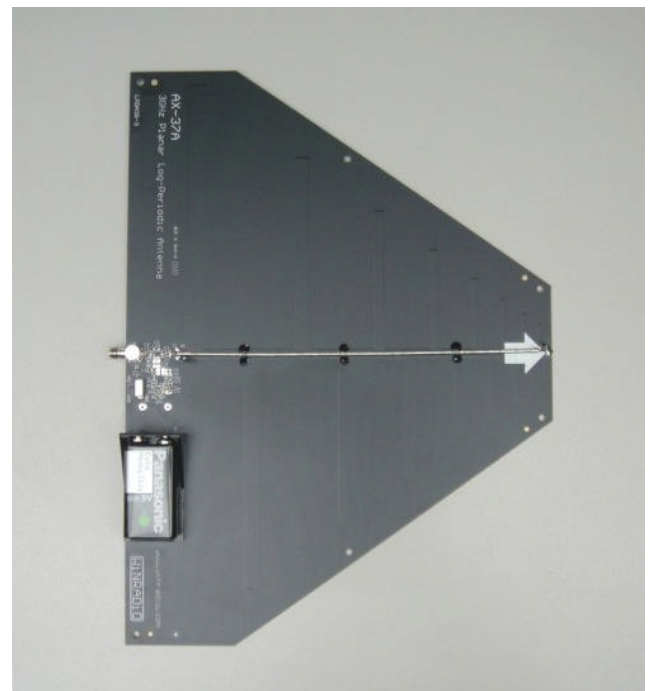
External Power

For frequent or continuous use it may be advantageous to apply external power instead of the 9V battery by connecting a 9V DC source directly to the battery terminals.

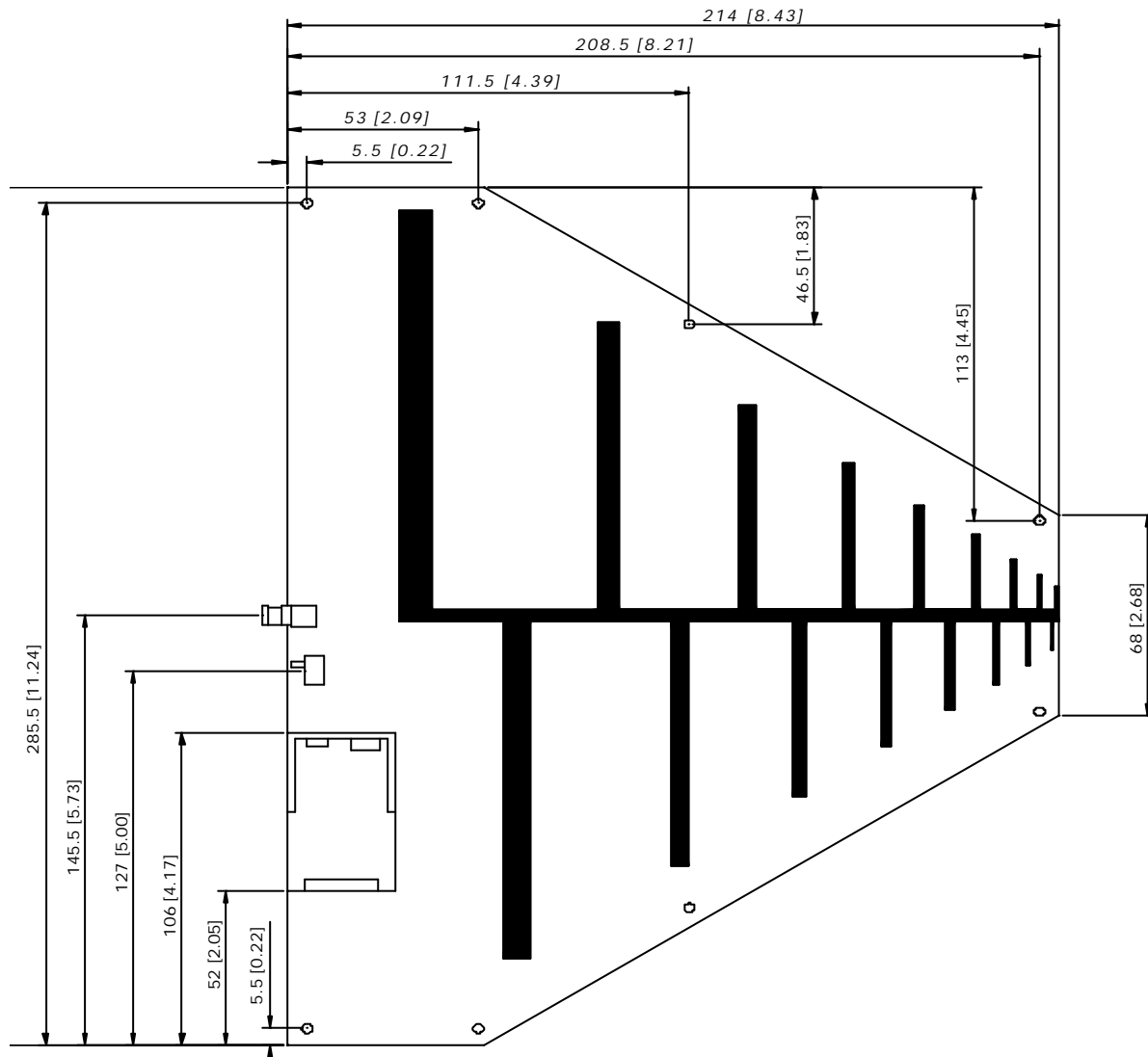
Technical Specifications

Type	Log-periodic Dipole Array with amplifier
Frequency range	300 to 3000 MHz
Antenna Forward Gain	6.0 dBi (free space)
Amplifier Gain	23dB at 1GHz
Amplifier Noise Figure	2.0 dB
Amplifier IP3	+27 dBm (output)
Primary Sensitivity	E-field
Polarization	Horizontal or vertical
Usage	Receiving only
Impedance	50 ohm (typ.)
Power	9V @ 45mA
Connector	SMA
Front-to-back ratio	18dB min (180 degrees from main lobe)
VSWR	1.3:1
Size	293 x 213mm (11.5" x 8.4")
Weight	146g (5oz)

Specifications are subject to change without notice.



(AX-37A antenna shown with 9V battery fitted)



AX-37A Dimensions