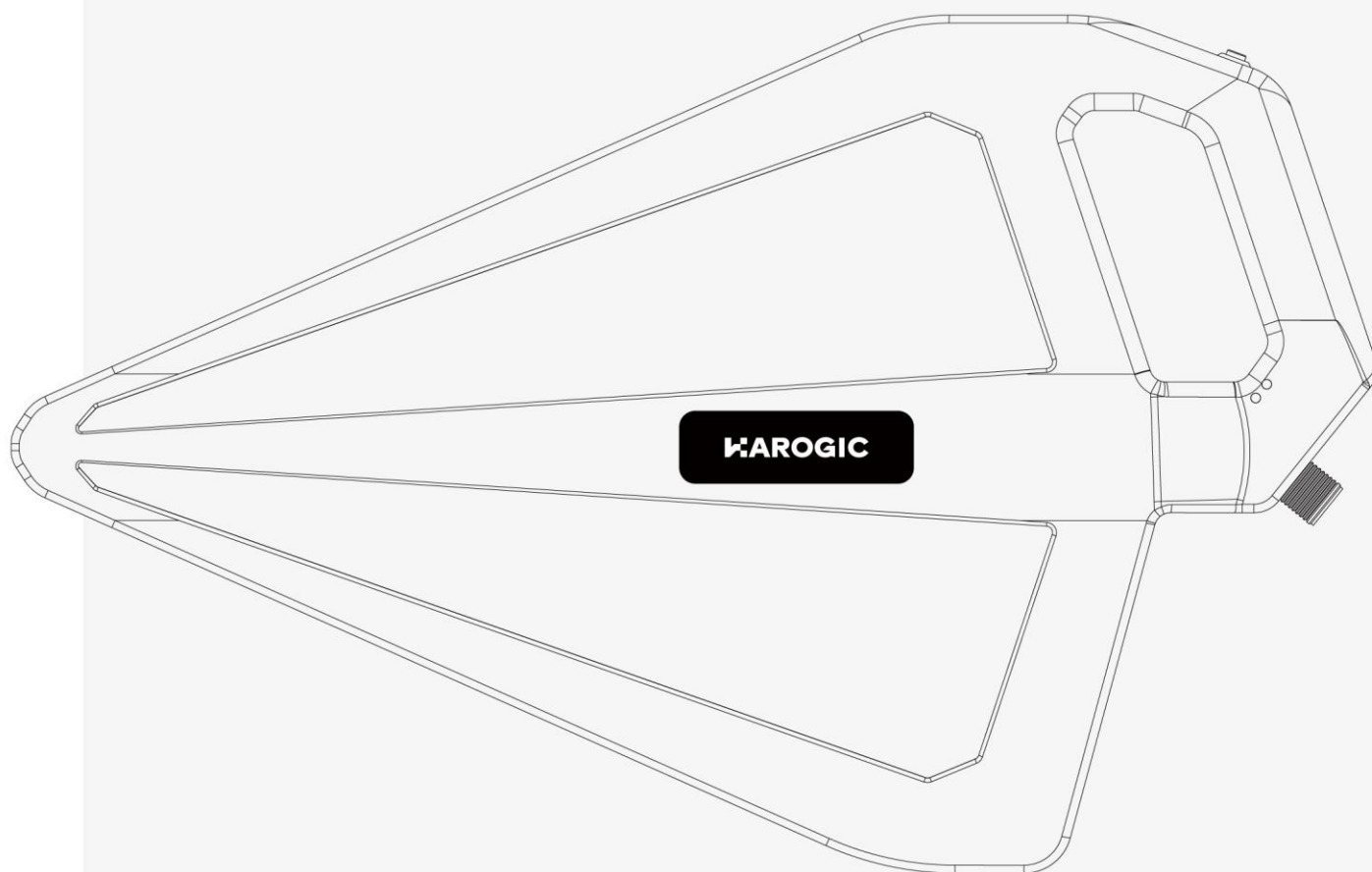




HANDHELD ACTIVE DIRECTIONAL ANTENNA

HDA-100
500 MHz - 10 GHz

HDA-100

Active Directional Antenna

Overview

The HDA-100 active directional antenna operates from 500 MHz to 10 GHz, meeting various testing requirements across multiple scenarios. Its superior directional characteristics enable precise signal localization. The integrated high-performance broadband amplifier significantly improves system sensitivity, while the switchable Amp Off/On modes provide flexible dynamic range extension. With intelligent compatibility across the HAROGIC spectrum analyzer series and automatic antenna factor loading, the HDA-100 improves work efficiency. The lightweight, ergonomic design ensures comfortable handling and operation, making extended outdoor work both efficient and effortless.

Key Features

- Frequency Range: 500 MHz to 10 GHz
- Directional Radiation Pattern, Passive Gain: 5 dBi
- Typical Noise Figure (NF): ≤ 1.5 dB
- Compatible with all HAROGIC Spectrum Analyzers, Automatic Antenna Factor Loading
- Total Weight: 680 g, Compact and Portable
- Ergonomic Design, Suitable for Extended Outdoor Use

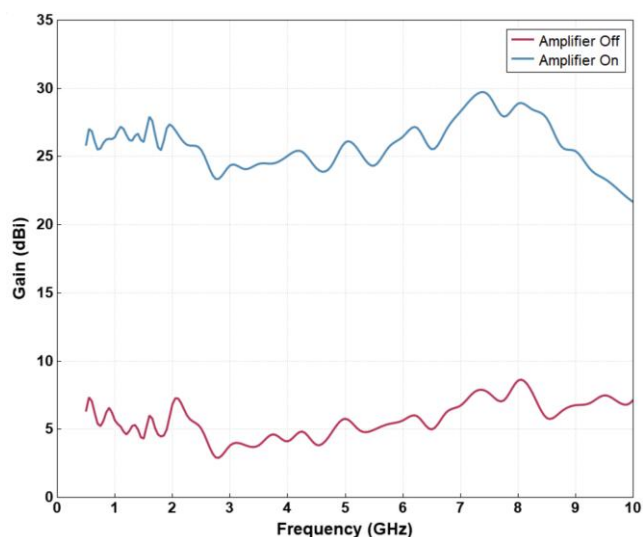


Specifications

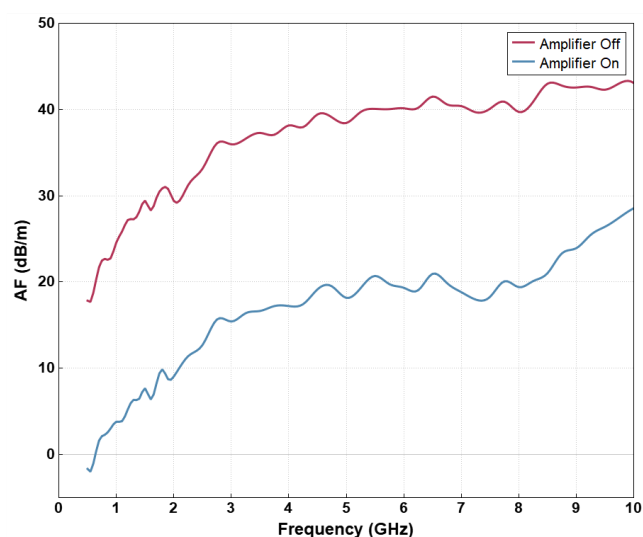
Frequency range	500 MHz to 10 GHz
Gain	5 dBi (typ.)
Half-power beam width	66° @ 6 GHz
Polarization type	Linear
Front-to-Back ratio	> 15 dB
VSWR	< 2.0 (typ.)
Pre-amp noise figure	1.5 dB (typ.)
Pre-amp gain	20 dB (typ.)
Maximum field strength	17 V/m @ 6 GHz (Amp On Mode)
RF connection	N (F), 50 Ω
Power supply	USB Type-C; connects to host via USB Type-C to USB Type-A cable
Calibration points	191 (50 MHz each step)
Dimensions (L x W x D)	430 x 270 x 35 mm
Weight	680 g

HDA-100 Gain, Antenna Factor and Radiation Patterns

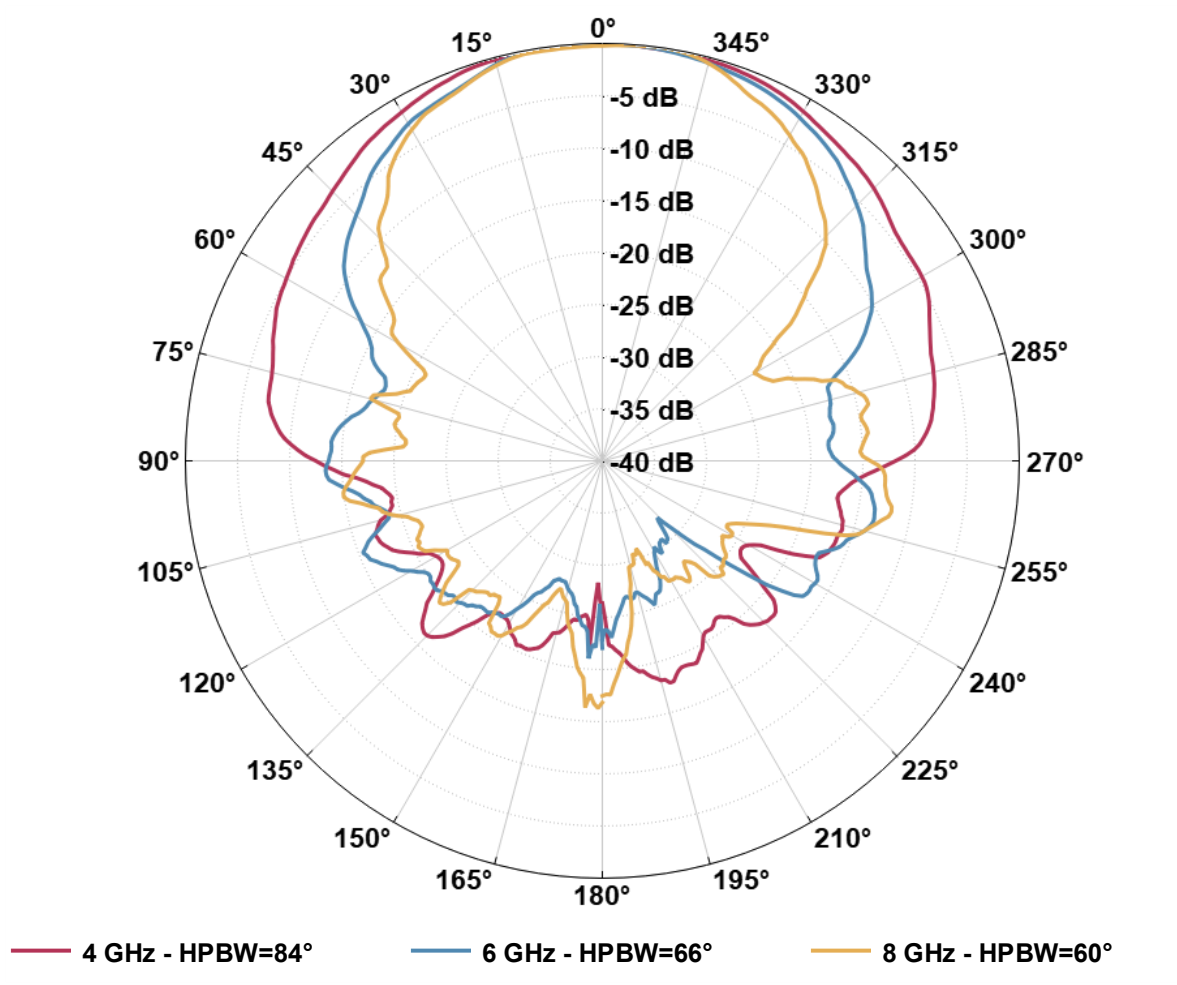
Gain



Antenna Factor



Typical Frequency Point Radiation Patterns



 www.harogic.com

 info@harogic.com

 +65-8299 8857