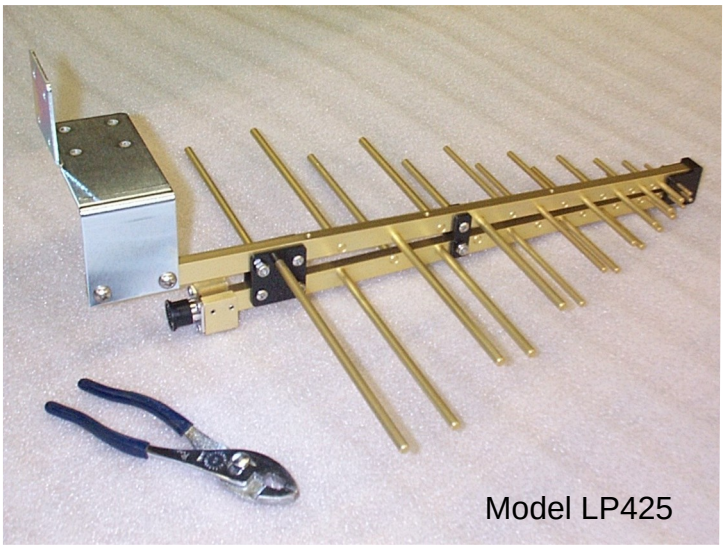
Broadband Directional Antenna
400 – 3000 MHz

Specifications, Model LP425

Frequency Range:	400 – 3500 MHz
Gain:	7 dBi typical
Impedance:	50 ohms nominal
VSWR:	< 2:1
Connector:	Type N jack
Polarization:	Linear
Power:	200 watts cw max.
Length:	19 in. (48 cm)
Width:	16 in. (41 cm)
Height:	7 in. (18 cm)
Weight:	2 lbs. (1 kg)
Finish:	Powder coat


Model LP425

Model LP425 is a directional antenna designed for transmitting and receiving wireless communications signals. The broadband characteristics of the log-periodic structure enable it to operate over a very wide frequency range with constant gain. Innovative design and manufacturing techniques result in long-lasting strength and performance.

Model LP425R

The antenna boom is made from a custom aluminum extrusion that reduces the number of mechanical RF junctions. The use of similar metal alloys keeps passive IM (PIM) to a minimum. Dipole elements are permanently attached to the boom by a technique that maintains excellent electrical characteristics for the life of the antenna. The result is a stronger, more stable feed point with a low VSWR.

The antenna includes a universal mounting bracket for easy installation. An optional radome cover (UL94VO rated) is offered for added protection. An optional powder coat finish with UV inhibitors is recommended for use in outdoor environments.

Options

- Radome cover (add suffix “R”)
- Powder coat finish (add suffix “P”)
- Individual calibration

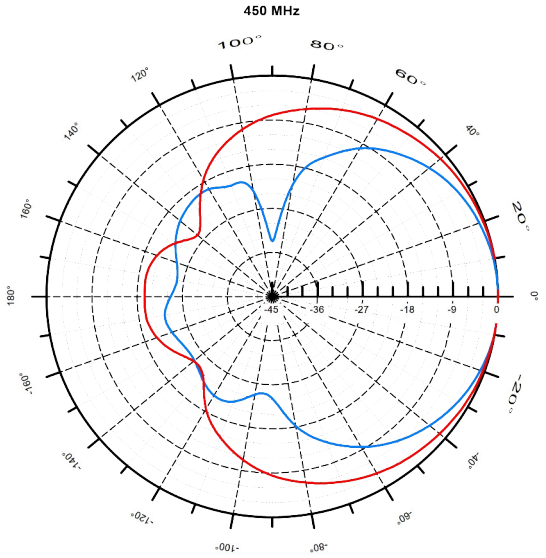
Applications

- Broadband wireless
- EMC testing
- Wireless infrastructure (DAS)

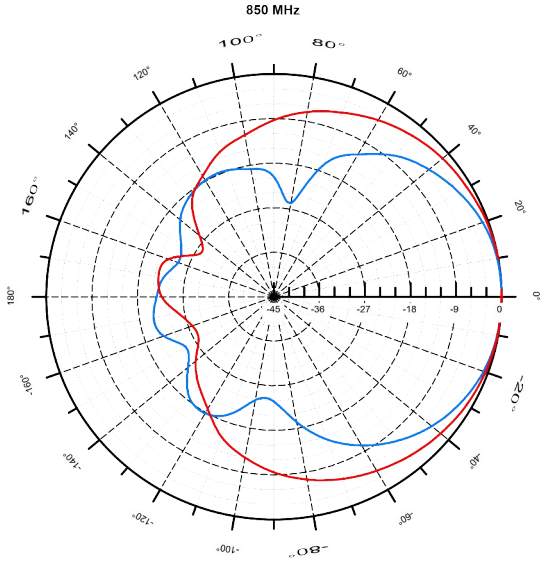
SCIENTIFIC HARDWARE SYSTEMS
8525 Forest Street, Suite C • Gilroy, California 95020 • Tel: (408) 848-8868
sales@scientifichardware.com • www.scientifichardware.com

Model LP425 Antenna

450 MHz

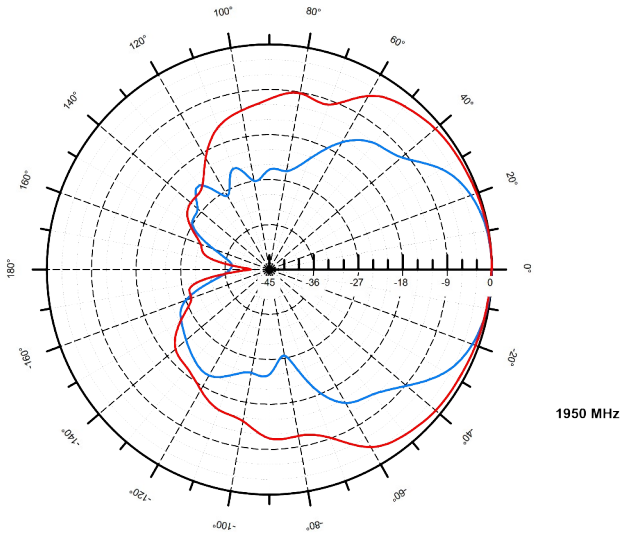


850 MHz

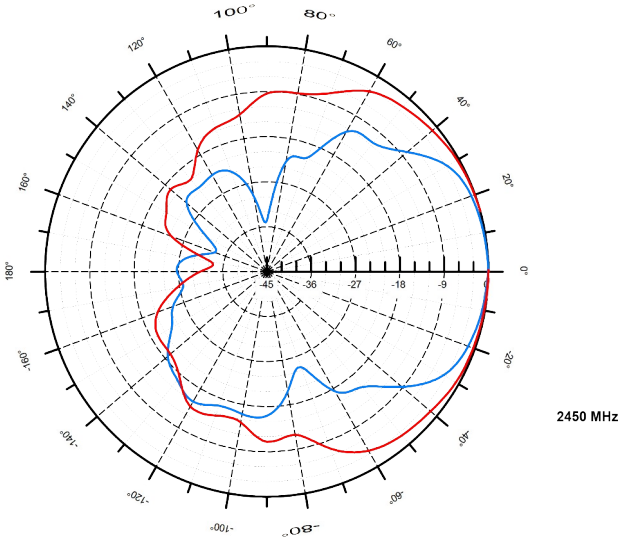


E-plane
H-plane

1950 MHz



2450 MHz



SCIENTIFIC HARDWARE SYSTEMS
8525 Forest Street, Suite C • Gilroy, California 95020 • Tel: (408) 848-8868
sales@scientifichardware.com • www.scientifichardware.com