Laird TECHNOLOGIES®

Innovative **Technology** for a **Connected** World

S51514WP
Panel Antenna

5.150-5.875 GHz WIDE-BAND ANTENNA

Laird Technologies' S51514WP antenna provides wide-band and high-gain performance in the 5.150 to 5.875 GHz frequency band. These characteristics give system integrators a single antenna that can be used in a wide variety of point-to-point and point-to-multi-point applications. Its wide bandwidth capability covers UNI I, II, and III frequencies, as well as worldwide WLAN standards.

As the deployment of WLAN increases in the 5 GHz band, regulating authorities are allocating additional frequencies. This antenna offers integrators and end users high performance whether a narrow frequency range or the entire band is being utilized in a particular application. As existing applications and services migrate from narrow to wide frequency coverage, this antenna provides users a "future proof" solution.

The standard antenna comes with a 12 inch low-loss coaxial pigtail and SMA female connector with alternative coax cable lengths and connector types also available. The antenna pattern tilt can also be customized in both the E- and H-planes.

The unit is enclosed in a UV-stable and weatherproof radome housing, making it suitable for indoor or outdoor use. The unit comes equipped with an articulating mount and hardware for either wall or pole placement.

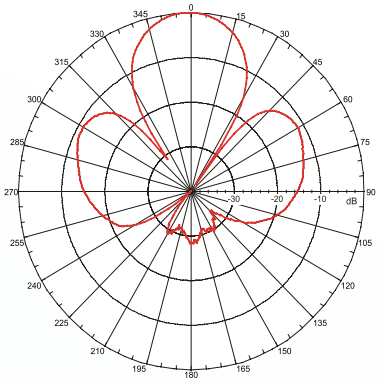
FEATURES

- Wide-band high-gain performance
- Articulating wall or pole mount
- Indoor and outdoor use
- Variety of cable lengths and connectors available

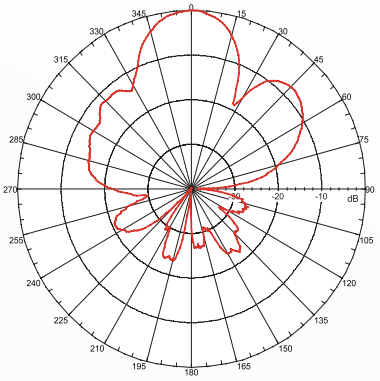
MARKETS

- WiMAX

PARAMETER	SPECIFICATION
Frequency (GHz)	5.150 -5.875
Gain 5.150 -5.350 (dBi)	14 (nominal)
Gain 5.470 -5.875 (dBi)	13.25 (nominal)
E-Plane (3dB beamwidth)	31°
H-Plane (3dB beamwidth)	65°
Polarization	Linear Vertical
Weight (Antenna Only) lb. (kg)	0.70(.32)
VSWR	2:1
Mounting Style	Wall / Mast
Dimensions	10.2 x 10.2 x 3.5 cm
Pigtail	12 in
Enclosure	Acrylic / PVC
Power (Watts)	10
RF Connector	SMA



H-PLANE



E- PLANE

global solutions: local support™

Americas: +1.847 839.6907
IAS-AmericasEastSales@lairdtech.com

Europe: +1.32.80.7866.12
IAS-EUSales@lairdtech.com

Asia: +1.65.6.243.8022
IAS-AsiaSales@lairdtech.com

www.lairdtech.com

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