

2.4 GHz and 5 GHz Support

- ANT24-1600N supports the 2.4 GHz to 2.5 GHz frequency range
- ANT50-2000N supports the 5.1 GHz to 5.875 GHz frequency range

High Speed MIMO Antenna

- Dual Polarization antenna for D-Link 11n access points

Ideal For Point-to-Point Connection

- Powerful directional signal transmission suitable for connecting LANs together

Suitable For Outdoor Deployment

- Durable design ideal for outdoor use
- Pole-mount installation
- Water/Dustproof - IP67 standard

Package Contents

- ANT24-1600N or ANT50-2000N Antenna
- Two extension cables for indoor AP (50 cm cable with RP-SMA connector)
- Mounting kit
- Waterproof tape
- Quick installation guide

Optional Accessory

- ANT70-SP surge protector
- ANT70-CB1RN or ANT70-CB1N antenna cable¹

¹ Required for use with outdoor antenna and outdoor AP connection

Dual Polarization 2.4 GHz Outdoor Directional Antenna Dual Polarization 5 GHz Outdoor Directional Antenna



The D-Link ANT24-1600N Dual Polarization 2.4 GHz Outdoor Directional Antenna is an outdoor antenna for connecting 2.4 GHz wireless LANs over long distances, while the D-Link ANT50-2000N Dual Polarization 5 GHz Outdoor Directional Antenna connects 5 GHz wireless LANs over long distances. Both antennas can connect to high-speed 11n. The antennas have two antenna connectors for transmitting two spatial streams.

Point-to-Point Application

The ANT24-1600N and ANT50-2000N are ideal for operating in modes such as point-to-point WDS that require a high gain directional antenna. An example of an application of this antenna is extending your local area network (LAN) by connecting LANs at two physically separate locations. Alternatively, Wireless Internet Service Provider (WISP) subscribers can also use this antenna to establish a strong connection between their host and their ISP's outdoor AP.

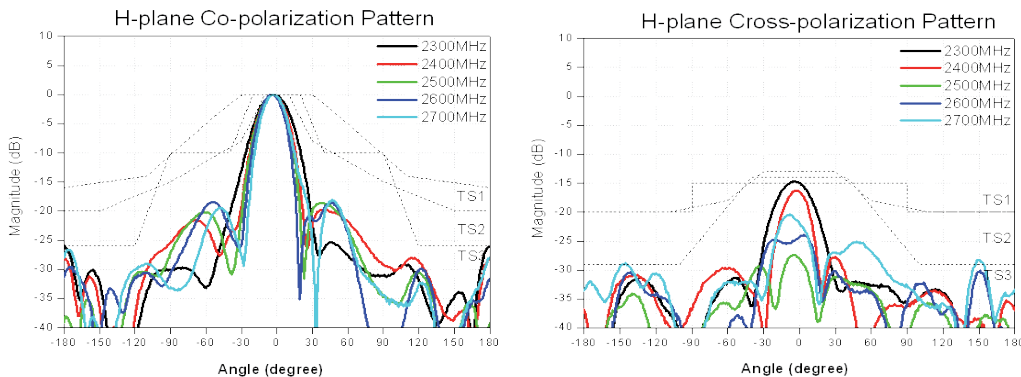
Weatherproof Design

The ANT24-1600N and ANT50-2000N feature a durable build and a waterproof IP67-compliant design which provides complete protection from extreme weather. Furthermore, it is made of corrosion-resistant material, enabling it to withstand harsh outdoor conditions and wind speeds up to 216 km/hr and is robust enough to remain outside indefinitely. The ANT70-SP surge protector can be purchased separately to protect the antenna's receiver from voltage spikes and other outdoor elements such as lightning.

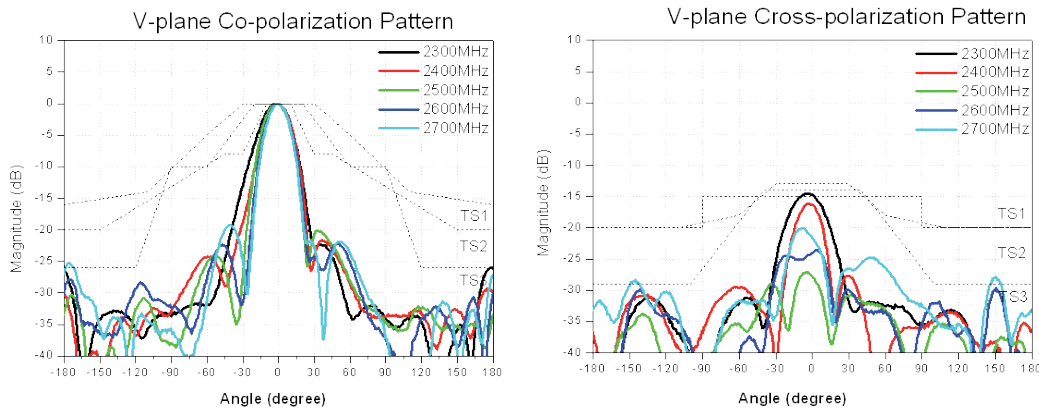
Flexible Deployment

For flexible installation, the ANT24-1600N and ANT50-2000N antennas include a pole mounting kit, which allows these antennas to be placed on a pole for better wireless coverage. These antennas also come equipped with an indoor extension cable fitted with N-type to RP-SMA connectors for easy connection to a host.

ANT24-1600N Radiation Patterns

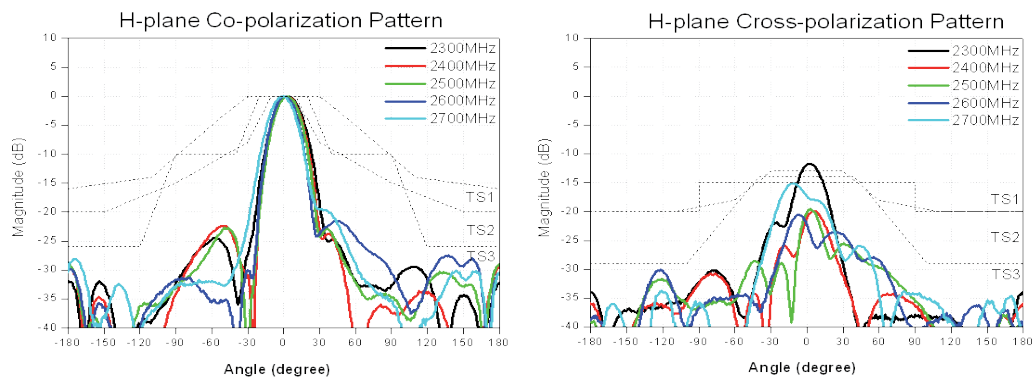


Port 1 (H-Plane)

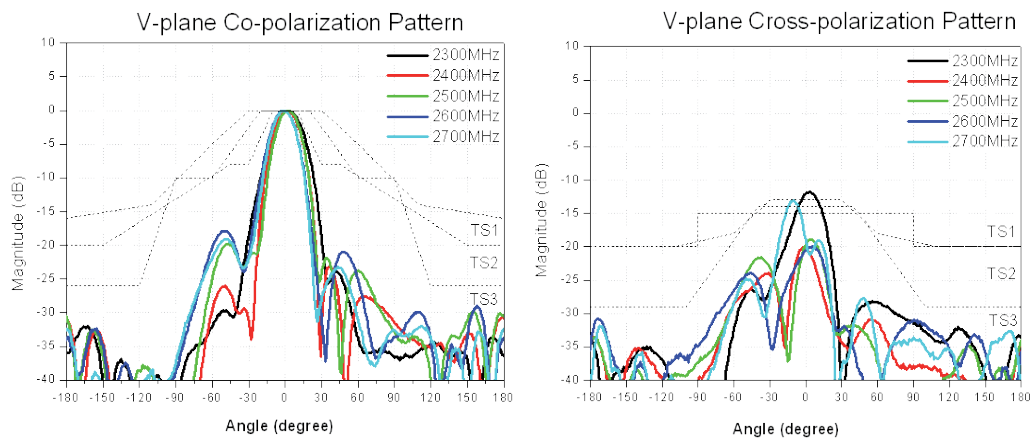


Port 1 (V-Plane)

ANT24-1600N Radiation Patterns

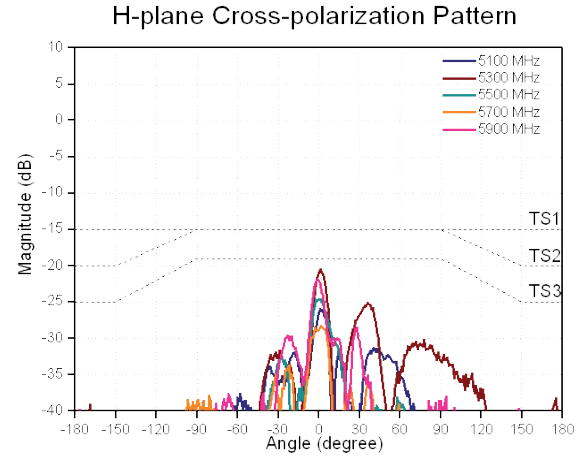
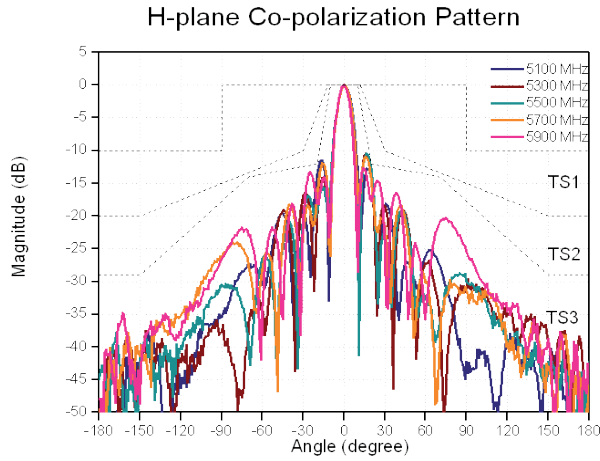


Port 2 (H-Plane)

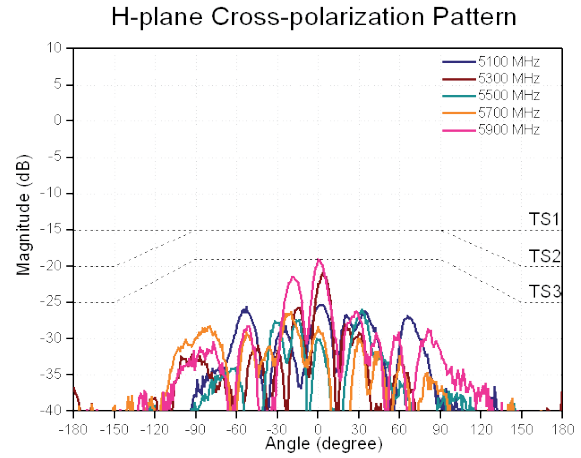
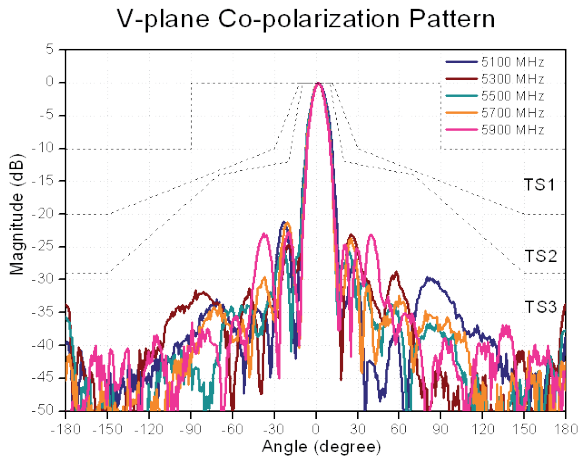


Port 2 (V-Plane)

ANT50-2000N Radiation Patterns

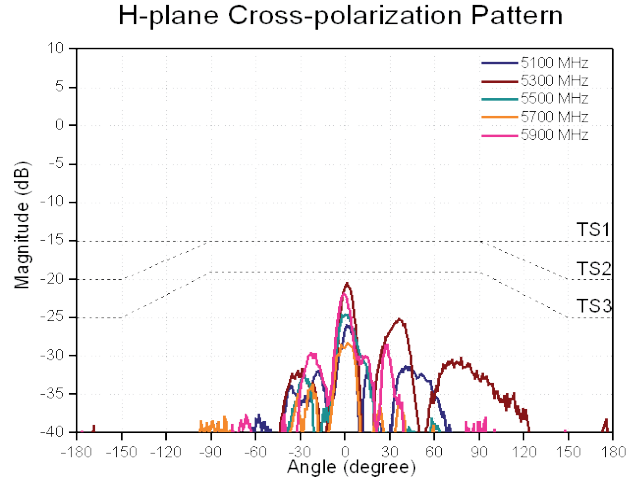
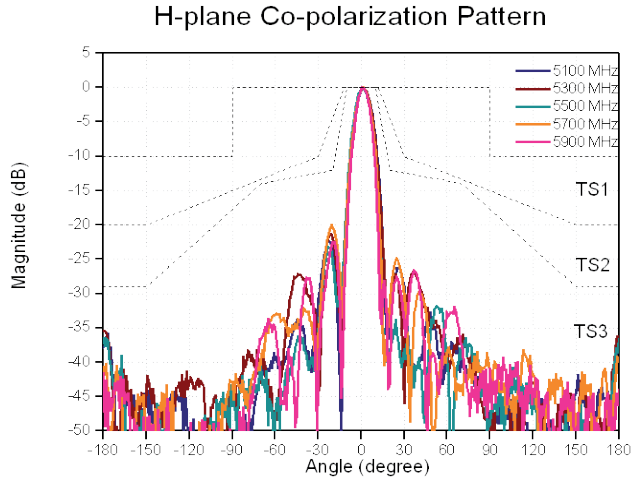


Port 1 (V-Plane)

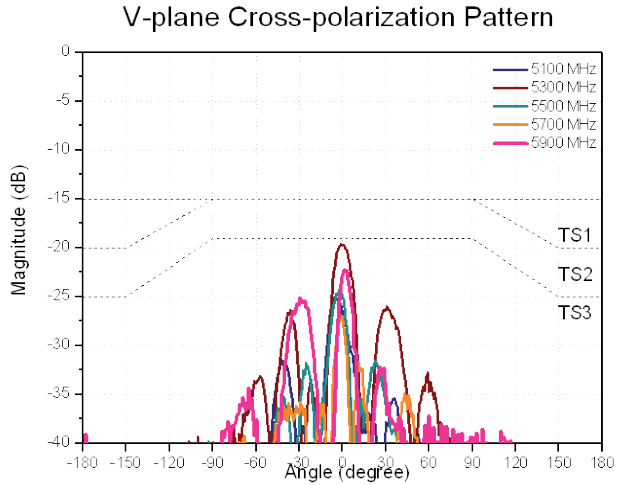
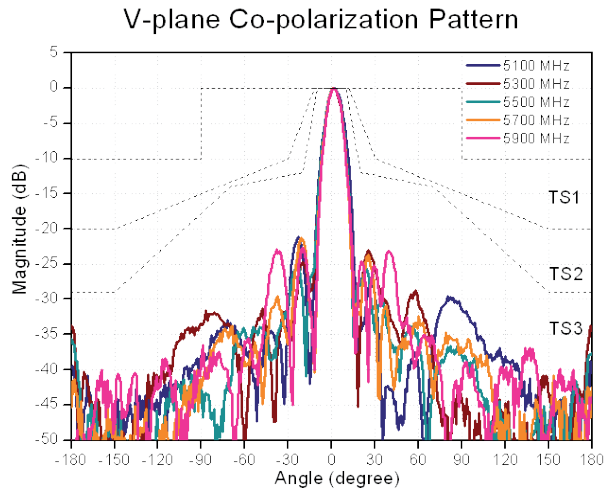


Port 1 (H-Plane)

ANT50-2000N Radiation Patterns



Port 2 (V-Plane)



Port 2 (H-Plane)





Dual Polarization 2.4 GHz Outdoor Directional Antenna Dual Polarization 5 GHz Outdoor Directional Antenna

Technical Specifications

ANT24-1600N

ANT50-2000N

			
Transmission Properties	Frequency Range	2.4 to 2.5 GHz	5.15 to 5.875 GHz
	Impedance	50 ohms	50 ohms
	VSWR	2.0:1 (Maximum)	2.0:1 (Maximum)
	Peak Gain	16-17 dBi	20 dBi
	Horizontal Half Power Beam Width (HPBW/H-PLANE)	18° to 25°	10°
	Vertical Half Power Beam Width (HPBW/V-PLANE)	18° to 25°	10°
	Polarization	Linear, Vertical/Horizontal	Dual Linear, 45° and -45°
	Front-to-back ratio	-25 dB (Maximum)	-30 dB (Maximum)
	Isolation	16 dB (Minimum)	24 dB (Minimum)
Physical & Environmental Properties	Cable	Two RP-SMA cables for indoor AP	Two RP-SMA cables for indoor AP
	Connector	Two N jacks	Two N jacks
	Power Handling	6 W (cw)	6 W (cw)
	Lightning Protection	DC Ground	DC Ground
	Survival Wind Speed	216 km/hr (134.2 miles/hr)	216 km/hr (134.2 miles/hr)
	Operating Temperature	-40 °C to 80 °C (-40 °F to 176 °F)	-40 °C to 80 °C (-40 °F to 176 °F)
	Operating Humidity	95% at 55 °C (131 °F)	95% at 55 °C (131 °F)
	Color and Material	Gray-white PC, UV Resistant	Gray-white PC, UV Resistant
	Weight	1.1 kg (2.43 pounds)	1.32 kg (2.91 pounds)
	Dimensions	320 x 320 x 43 mm (12.6 x 12.6 x 1.7 inches)	320 x 320 x 20 mm (12.6 x 12.6 x 0.79 inches)
	Waterproof	IP67	IP67
Mount Kit	Pole Mount and Wall Mount	Pole Mount and Wall Mount	