

ARUBA AP-ANT-1F INDOOR ANTENNA

2.4/5GHz dual-band omni-directional direct-mount indoor AP antenna, with built-in cellular interference filter



APPLICATION

The AP-ANT-1F is a high-performance, dual-band, omni-directional, indoor antenna ideally designed for multifunction access points that require an omni-directional coverage pattern for WLAN service delivery or air monitoring on both the 2.4 GHz and 5 GHz bands. AP-ANT-1F has an articulating mount, providing flexibility in deployment and direct connection to Aruba access points with an onboard RP-SMA connector. The AP-ANT-1F is similar in performance as the AP-ANT-1B antenna, but adds a built-in filter to suppress interference from cellular systems (high-pass filter). This results in a slight reduction of antenna gain (due to the insertion loss of the built-in filter, but optimizes AP performance in noisy environments.

Off-white in color to match Aruba access points.

FREQUENCY / MAX GAIN

- 2.4 – 2.5GHz (2.0dBi)
- 4.9 – 5.875GHz (5.0dBi)

Built-in RF Filtering Characteristics				
Frequency range	806 – 960 MHz	1,710 – 2,025 MHz	1,805 – 1,990 MHz	2,110 – 2,170 MHz
Minimum attenuation	>30dB	>35dB	>45dB	>25dB

Ordering Information

Part Number	Description
AP-ANT-1F	AP Antenna with integrated cellular interference filter, 2.4-2.5GHz (2.0dBi) / 4.9-5.875GHz (5.0dBi), Omni-Directional Direct-Mount Antenna. RP-SMA Connector

POLARIZATION

- Linear, vertical. Omni-directional patterns at all frequencies

BEAMWIDTH

- E-plane: 50 degrees (2.4GHz), 25 degrees (5GHz)
- H-plane: 360 degrees

IMPEDANCE

- 50 ohms

MAXIMUM INPUT POWER

- 2 watts

VSWR (MINIMUM PERFORMANCE)

- < 2.0:1

DIMENSIONS (MM)

- 19 (0.75") x 39 (1.54") x 127 (5.0"): with articulating mount at 90 degree angle
- 19 (0.75") x 14 (0.55") x 152 (6.0"): fully extended

ENCLOSURE

- ABS, UV resistant

FLY CABLE LENGTH / CONNECTOR

- Articulating mount with built-in RP-SMA

OPERATING TEMPERATURE

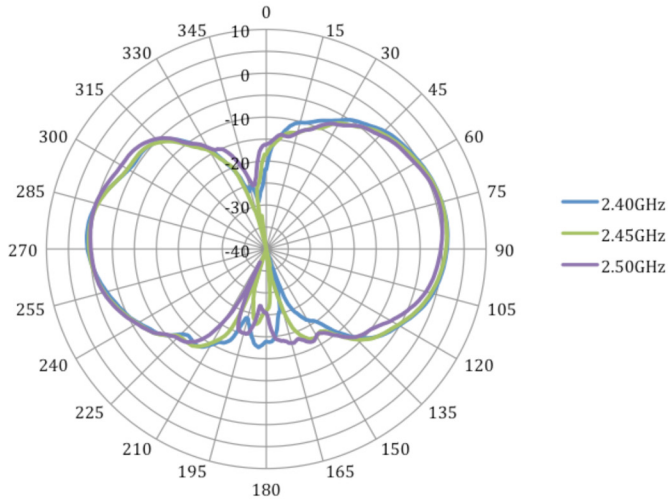
- -10C to +55C (+14F to +131F)

INSTALLATION HARDWARE

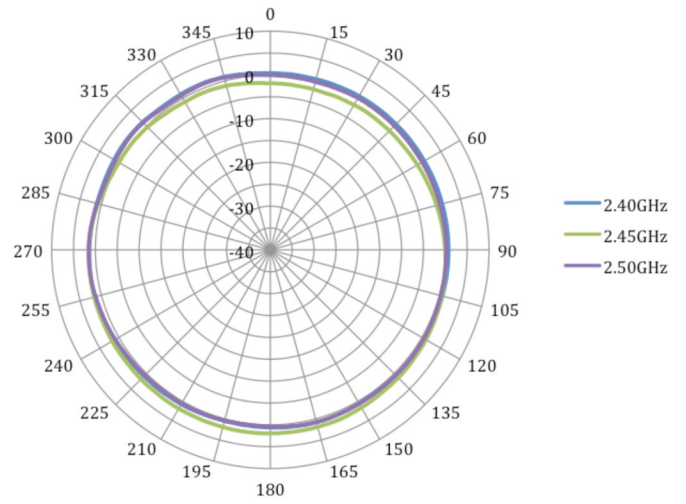
- N/A – antenna mounts directly to an Aruba AP

ANTENNA PATTERNS

2.4GHz

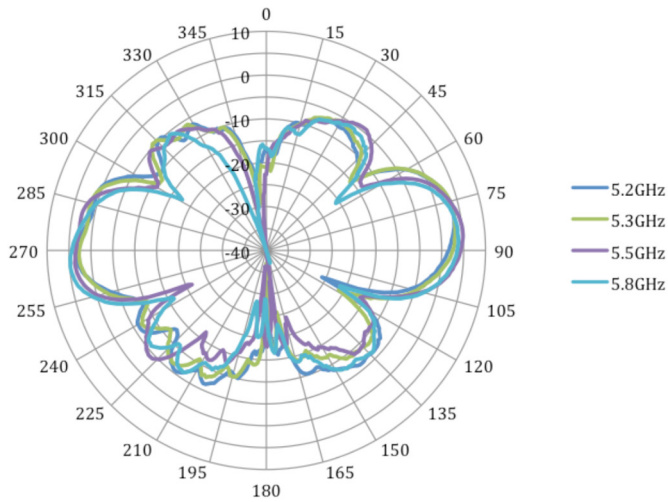


E-plane (Elevation)

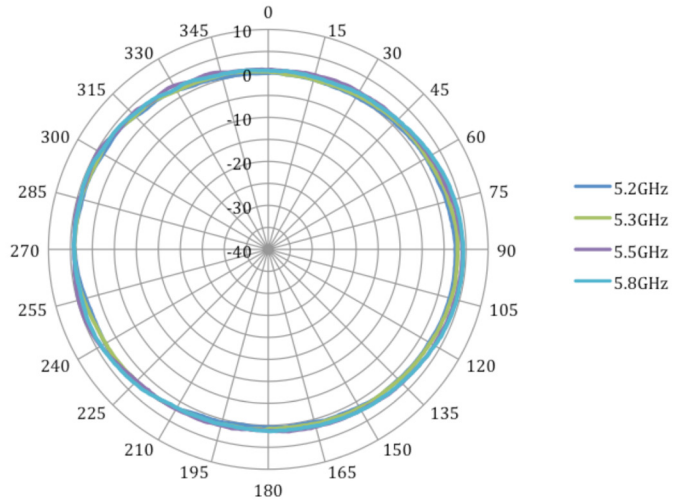


H-plane (Azimuth)

5GHz



E-plane (Elevation)



H-plane (Azimuth)



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