

# ARUBA OUTDOOR MIMO ANTENNA KIT ANT-3X3-2005

ANT-3x3-2005 is a kit of three omnidirectional antennas for use in 802.11ac and 802.11n MIMO mesh link and client access applications. The kit contains three antennas – two vertical and one horizontal – which can be used as a 3x3 MIMO kit and provide coverage in the 2.4 – 2.5 GHz frequency band.

## FREQUENCY/MAX GAIN

- 2.4 – 2.5 GHz (5 dBi)

## POLARIZATION

- Vpol antenna: linear, vertical
- Hpol antenna: linear, horizontal

## BEAMWIDTH

- E-plane: 30 degrees (Vpol antenna), 25 degrees (Hpol antenna)
- H-plane: 360 degrees

## IMPEDANCE

- 50 ohms

## MAXIMUM INPUT POWER

- Vpol antenna: 50 watts
- Hpol antenna: 10 watts

## VSWR (MINIMUM PERFORMANCE)

- Vpol antenna: <1.7:1
- Hpol antenna: <2.0:1

## DIMENSIONS

- Vpol antenna: 309 x 32 x 32 mm
- Hpol antenna: 329 x 45 x 45 mm

## WEIGHT

- Vpol antenna: 140 g
- Hpol antenna: 260 g

## HOUSING

- Radome: Polycarbonate, UV, White

## CONNECTOR

- N-type male (Note: RF cables not included)

## OPERATING/STORAGE TEMP.

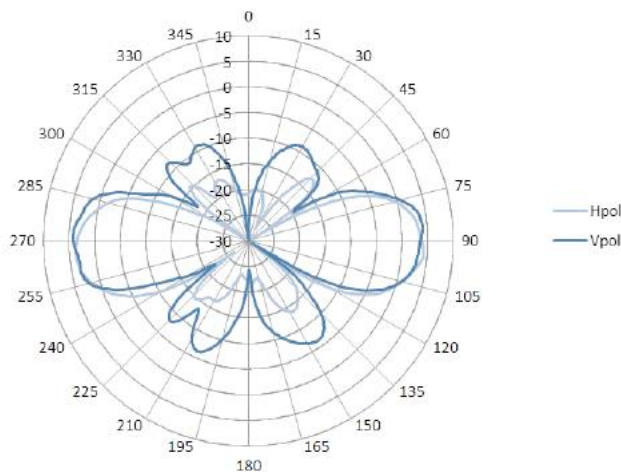
- -40C to +70C (operating)
- -40C to +85C (storage)

## MOUNTING STYLE

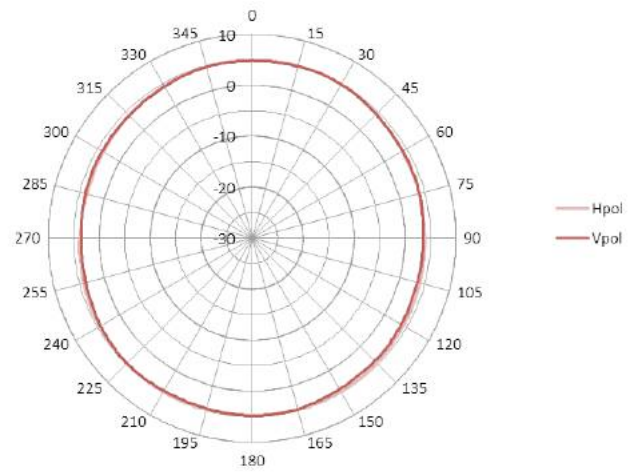
- Direct mount on AP or pole mount

## INSTALLATION HARDWARE

- Pole mount kit included.



E-plane (side view) – 2.45 GHz



H-plane (top view) – 2.45 GHz



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# ARUBA OUTDOOR MIMO ANTENNA KIT ANT-3X3-5005

ANT-3x3-5005 is a kit of three omnidirectional antennas for use in 802.11ac and 802.11n MIMO mesh link and client access applications. The kit contains three antennas – two vertical and one horizontal – which can be used as a 3x3 MIMO kit and provide coverage in the 4.9 – 5.875 GHz frequency band.

## FREQUENCY/MAX GAIN

- 4.9 – 5.875 GHz (5 dBi)

## POLARIZATION

- Vpol antenna: linear, vertical
- Hpol antenna: linear, horizontal

## BEAMWIDTH

- E-plane: 29 degrees (Vpol antenna), 33 degrees (Hpol antenna)
- H-plane: 360 degrees

## IMPEDANCE

- 50 ohms

## MAXIMUM INPUT POWER

- 10 watts

## VSWR (MINIMUM PERFORMANCE)

- 2.0:1

## DIMENSIONS

- 200 x 25 x 25

## WEIGHT

- 140 (each)

## HOUSING

- Radome: Polycarbonate, UV, White

## CONNECTOR

- N-type male  
(Note: RF cables not included)

## OPERATING/STORAGE TEMP.

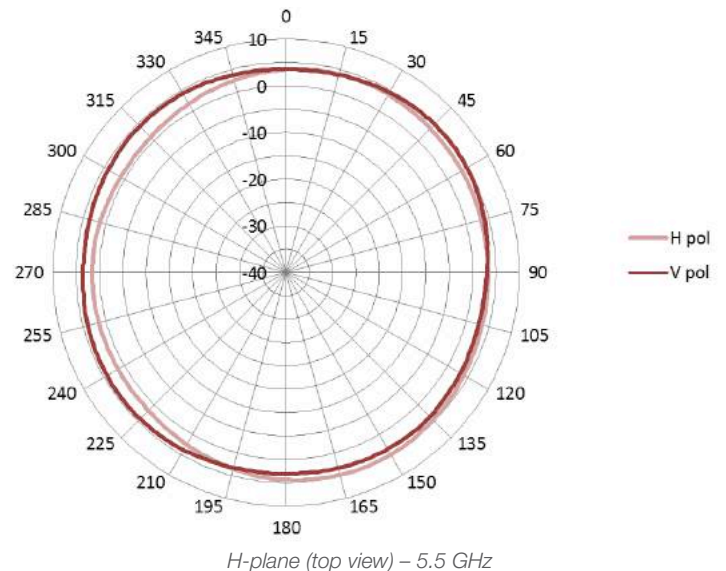
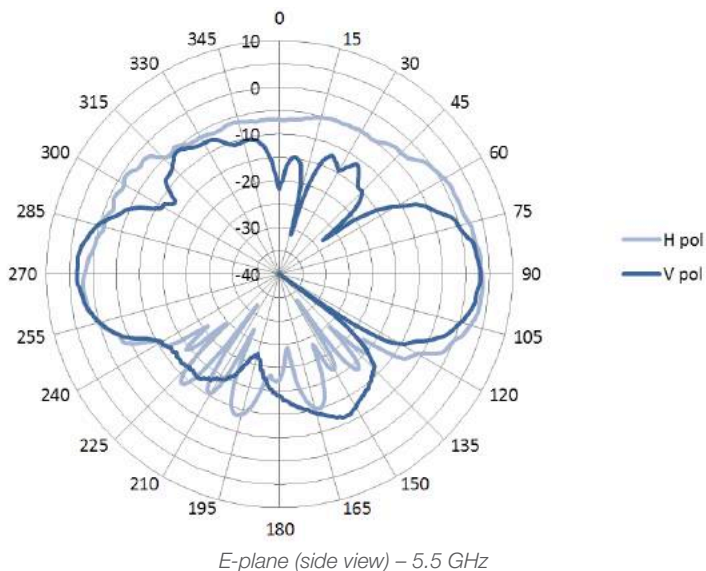
- -40C to +70C (operating),  
-40C to +85C (storage)

## MOUNTING STYLE

- Direct mount on AP or pole mount

## INSTALLATION HARDWARE

- Pole mount kit included.



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# ARUBA OUTDOOR MIMO ANTENNA KIT ANT-3X3-5010

ANT-3x3-5010 is a kit of three omnidirectional antennas for use in 802.11ac and 802.11n MIMO mesh link and client access applications. The kit contains three antennas – two vertical and one horizontal – which can be used as a 3x3 MIMO kit and provide coverage in the 4.9 – 5.875 GHz frequency band.

## FREQUENCY/MAX GAIN

- 4.9 – 5.875 GHz (10dBi)

## POLARIZATION

- Vpol antenna: linear, vertical
- Hpol antenna: linear, horizontal

## BEAMWIDTH

- E-plane: 8 degrees (Vpol antenna), 9.5 degrees (Hpol antenna)
- H-plane: 360 degrees

## IMPEDANCE

- 50 ohms

## MAXIMUM INPUT POWER

- 10 watts

## VSWR (MINIMUM PERFORMANCE)

- 2.0:1

## DIMENSIONS

- 490 x 25 x 25 (Vpol),  
451 x 25 x 25 (Hpol)

## WEIGHT

- 400 (Vpol), 180 (Hpol)

## HOUSING

- Radome: Polycarbonate, UV, White

## CONNECTOR

- N-type male  
(Note: RF cables not included)

## OPERATING/STORAGE TEMP.

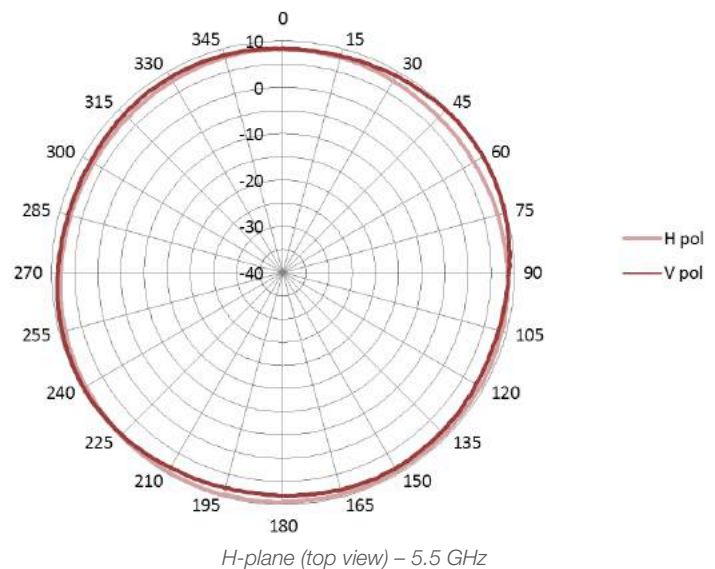
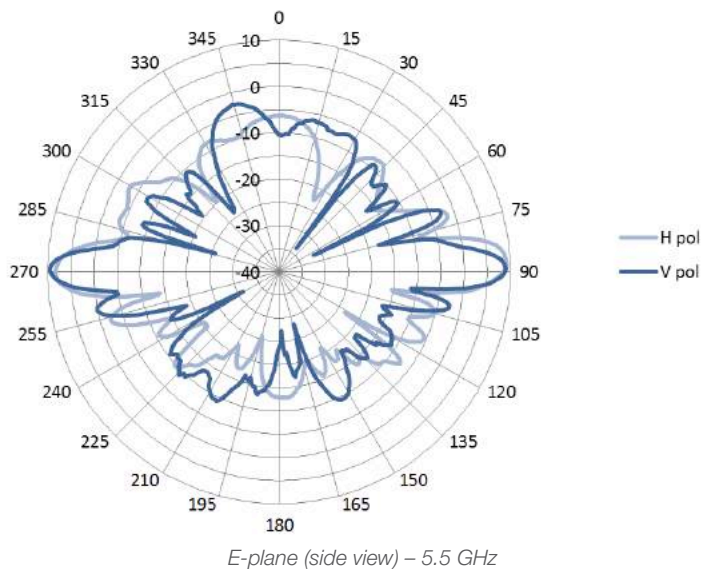
- -40C to +70C (operating),  
-40C to +85C (storage)

## MOUNTING STYLE

- Direct mount on AP or pole mount

## INSTALLATION HARDWARE

- Pole mount kit included.



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# ARUBA OUTDOOR MIMO ANTENNA KIT ANT-3X3-5712

ANT-3x3-5712 is a multipolarized antenna with 70° horizontal and 25° vertical beamwidths. This antenna is ideally suited for 5-GHz point-to-multipoint mesh connections.

## FREQUENCY/MAXIMUM GAIN

- 4.9-6.0 GHz (11.5 dBi min)

## DIMENSIONS

- 190 mm x 190 mm x 30 mm (7.5" x 7.5" x 1.2")

## POLARIZATION

- Horizontal, vertical and slant 45°

## WEIGHT

- 1,000 g (2.2 lbs)

## BEAMWIDTH

- Horizontal plane: 70°
- Vertical plane: 25°

## HOUSING

- Aluminum

## RADOME

- Plastic

## IMPEDANCE

- 50 ohms

## CONNECTORS

- N-type female x 3 (RF cables not included)

## INPUT POWER

- 6 watts max

## OPERATING TEMPERATURE

- -45° C to +65° C

## VOLTAGE STANDING WAVE RATIO (VSWR)

- 2:1 max

## INSTALLATION HARDWARE

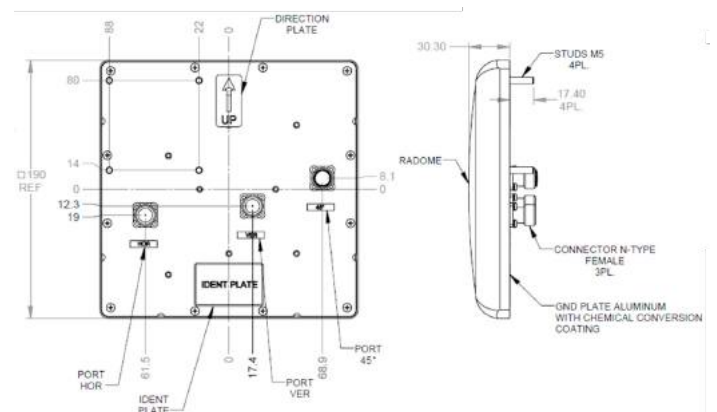
- Mount kit for wall and pole included



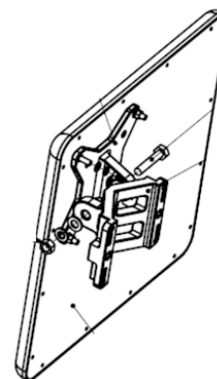
Front View



Back View

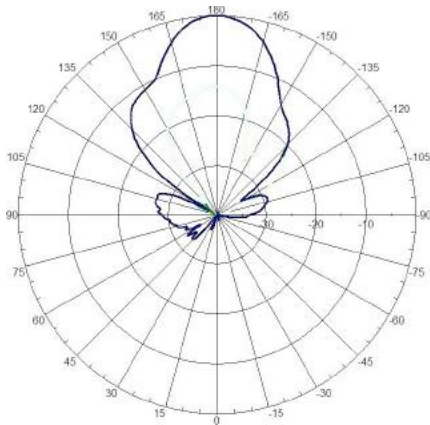


Mechanical Outline

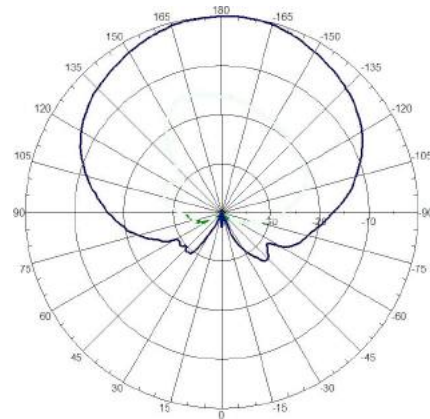


Mount Kit Illustration

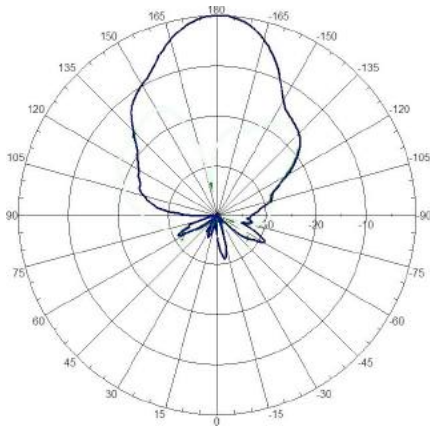
**ANTENNA PATTERNS**



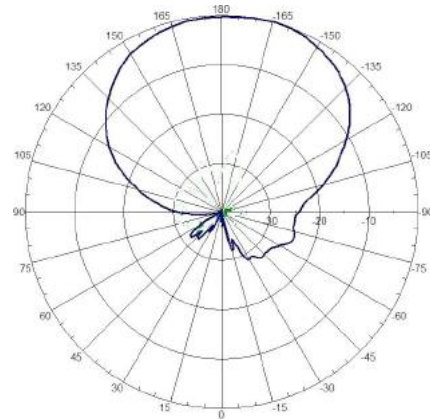
*Vertical polarization port, elevation*



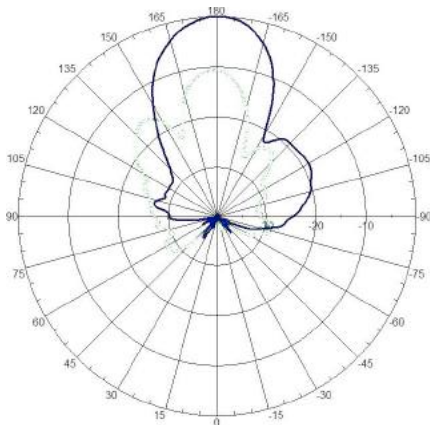
*Vertical polarization port, horizontal*



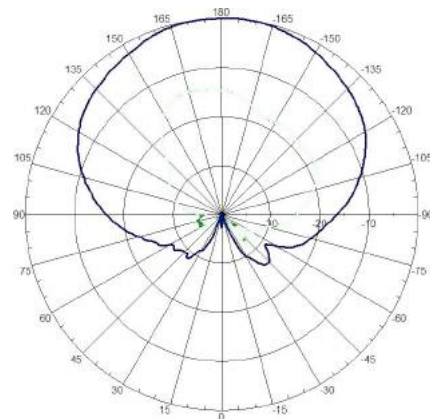
*Horizontal polarization port, elevation*



*Horizontal polarization port, horizontal*



*Slant port, elevation*



*Slant port, horizontal*



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## DATA SHEET

# ARUBA OUTDOOR MIMO ANTENNA

ANT-3x3-D100

ANT-3x3-D100 is a multi polarized antenna with 90° H x 90° V beamwidths. This antenna is well suited for 2.4 and 5 GHz sector coverage for access.

### FREQUENCY/MIN GAIN

- 4.9-6.0 GHz/5 dBi min
- 2.4-2.5 GHz/5 dBi min

### DIMENSIONS

- 200 x 200 x 33 mm (7.9 x 7.9 x 1.25 inches)

### POLARIZATION

- V, and slant +/- 45°

### WEIGHT (WITHOUT BRACKET)

- 0.8 kg (1.76 lbs)

### BEAMWIDTH

- Horizontal plane: 100°
- Vertical plane: 90°

### HOUSING

- Housing: Aluminum
- Radome: Plastic

### IMPEDANCE

- 50 ohms

### CONNECTORS

- N-type female x3

### MAXIMUM INPUT POWER

- 20 watts

### OPERATING TEMPERATURE

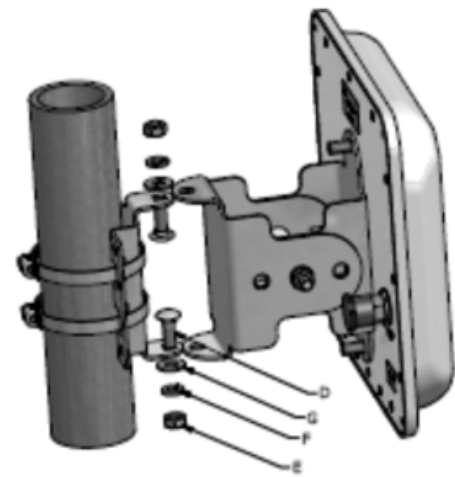
- -45°C to +70°C

### VSWR

- 2:1 max

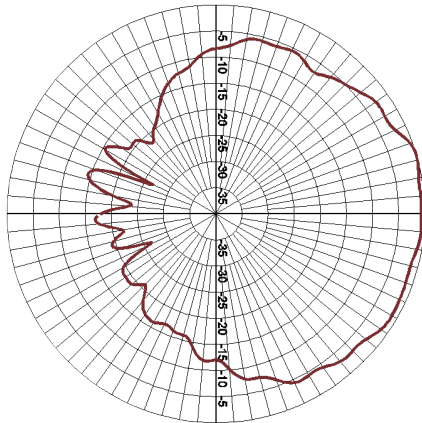
### INSTALLATION HARDWARE

- Mount kit for wall and pole included

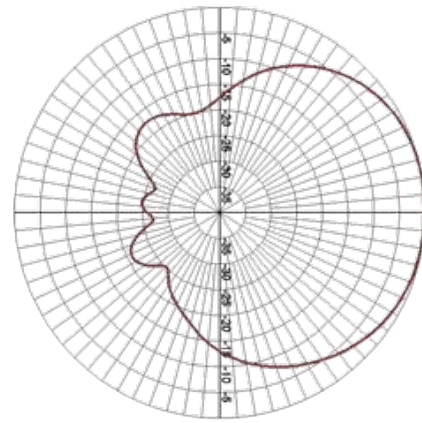


## ANTENNA PATTERN PLOTS

Vertical pattern

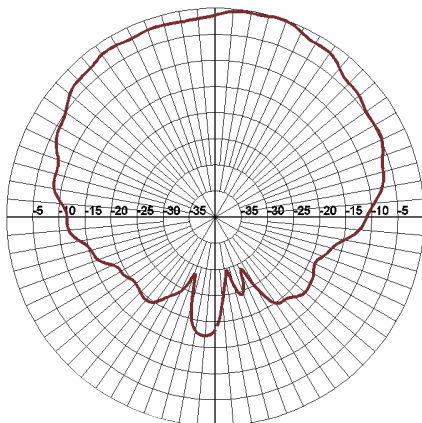


5 GHz

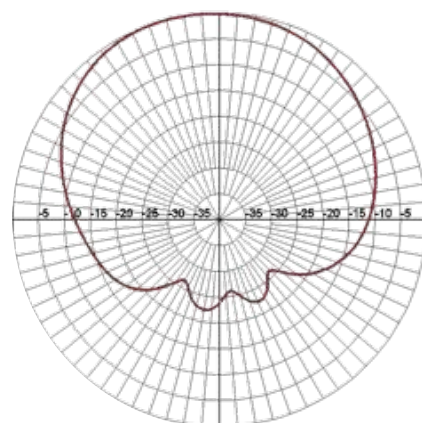


2.4 GHz

Horizontal pattern



5 GHz



2.4 GHz