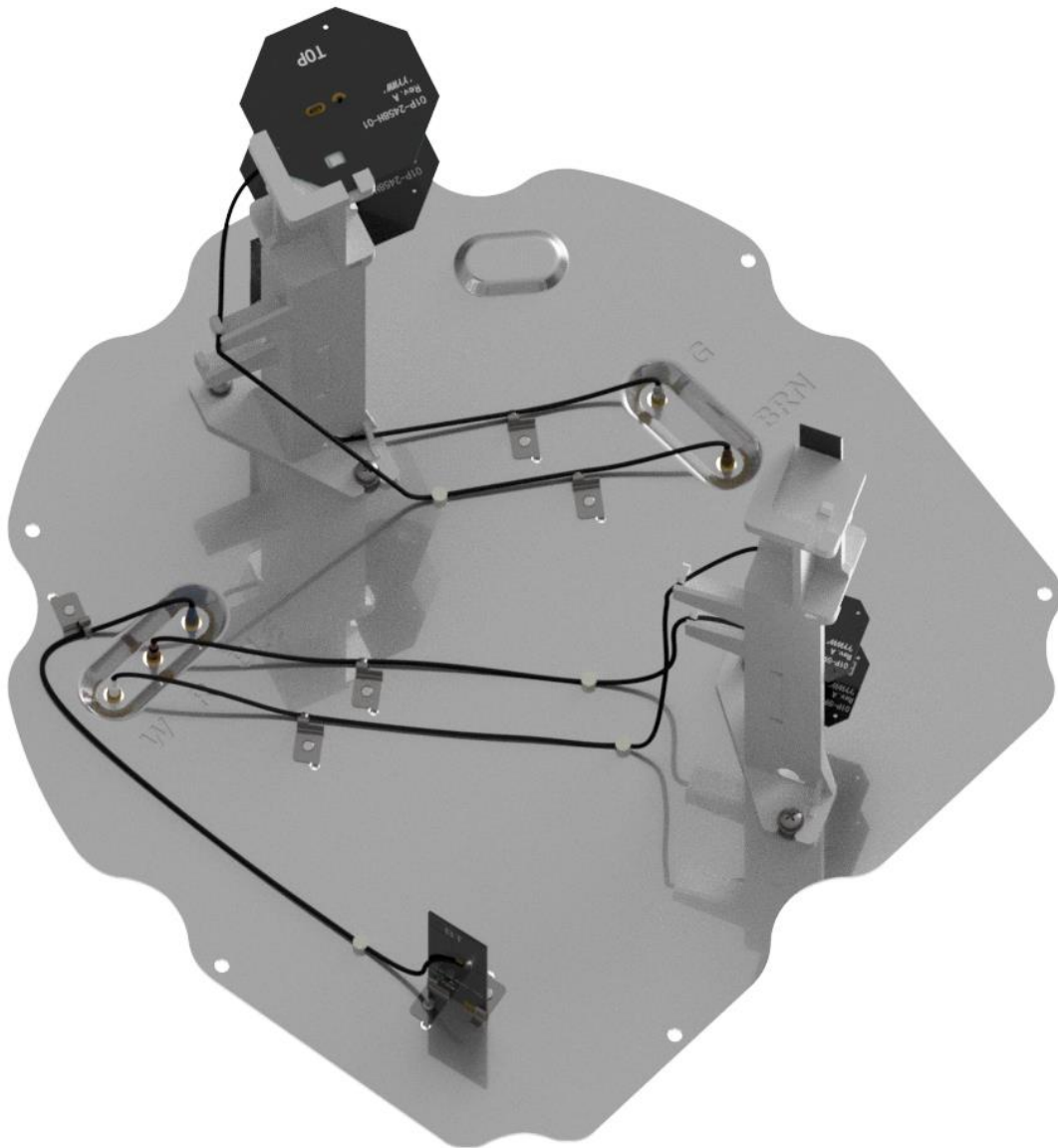


# DATASHEET

aruba

a Hewlett Packard  
Enterprise company



The AP-ANT-675 antenna is a high-performance, tri-band, omni-directional, indoor antenna ideally designed for multifunction access points that require an omnidirectional coverage pattern for WLAN service delivery or air monitoring on the 2.4GHz, 4.9~5.9GHz and/or 5.9 to 7.125GHz bands. AP-ANT-675 unique design also allows for integration inside access points, routers and gateways, eliminating the need for external antennas.

## Specifications

### Frequency bands, ranges and peak gains/uncorrelated gains

- |          |                     |               |
|----------|---------------------|---------------|
| - 2.4GHz | 2.400GHz – 2.500GHz | 4.6dBi/3.8dBi |
| - 5GHz   | 4.900GHz – 5.875GHz | 7.9dBi/5.7dBi |
| - 6GHz   | 5.935GHz – 7.150GHz | 6.2dBi/5.9dBi |
| - BLE    | 2.400GHz – 2.500GHz | 3.8dBi        |

### Polarization

- Horizontal + Vertical polarization

### Input impedance

- 50 Ohms

### Maximum input power

- 1 Watts

### VSWR

- < 2:1 max

### Material

- Plate: Aluminum
- Carrier: PC/ABS
- Antenna: PCB

### Environmental protection

- ROHS2.0, Halogen Free

### Port isolation

- 40dB

### Dimensions

- 244.12\*246.0\*188.7mm

### Weight

- 297g

### Cable length & type / connector

- 1.37mm Low-Loss Cable/MMCX Connector

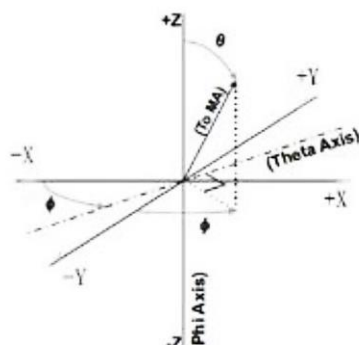
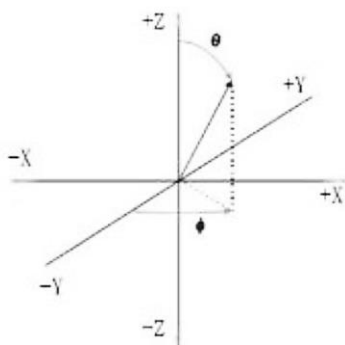
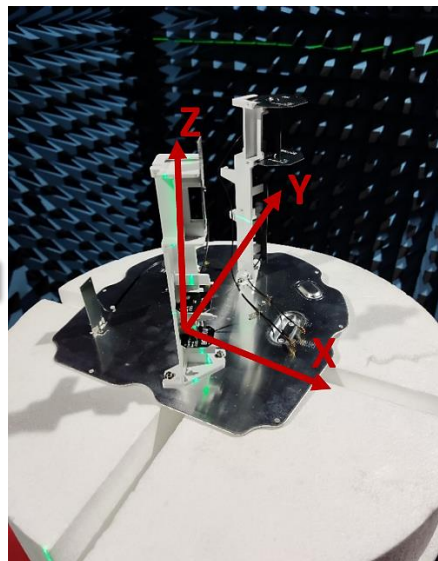
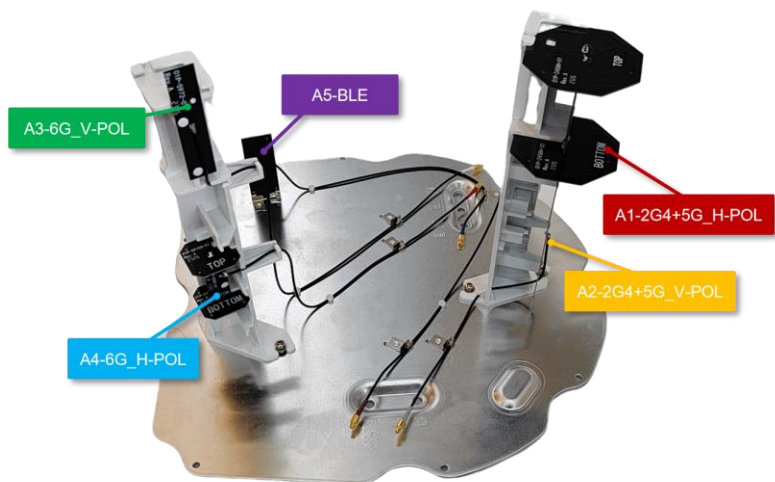
### Operating temperature range and relative humidity

- -40°C to +95°C      0% to 95% non-condensing

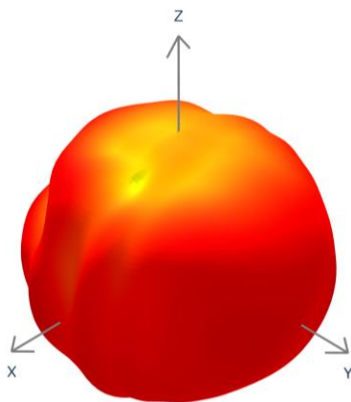
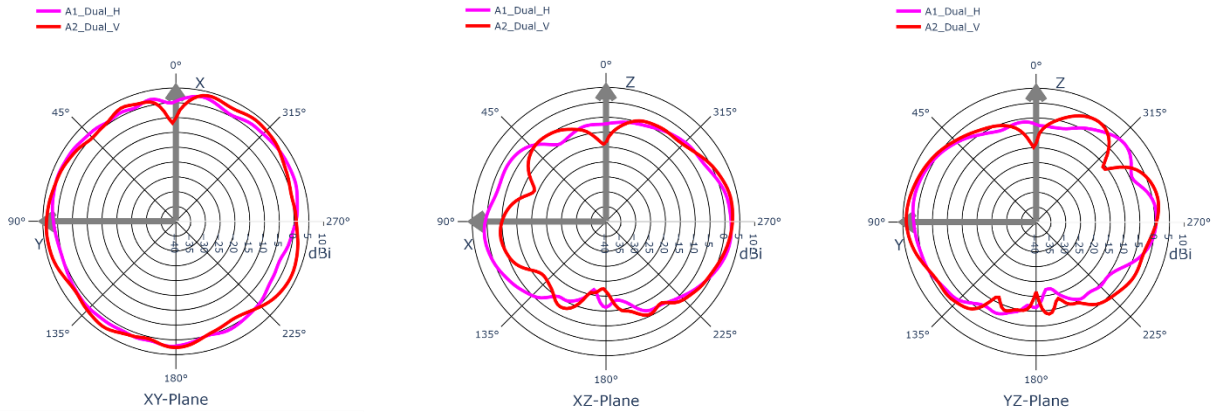
### Shipping content

- Packing in cartons

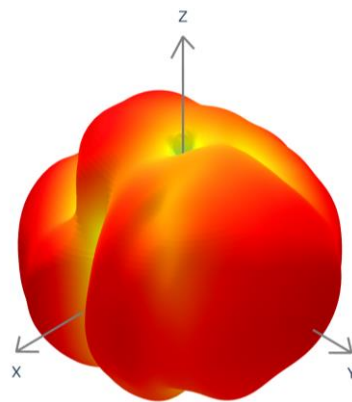
# Antenna patterns



Horizontal (azimuth) planes (top view) Vertical (elevation) planes (front/side view XZ /YZ)

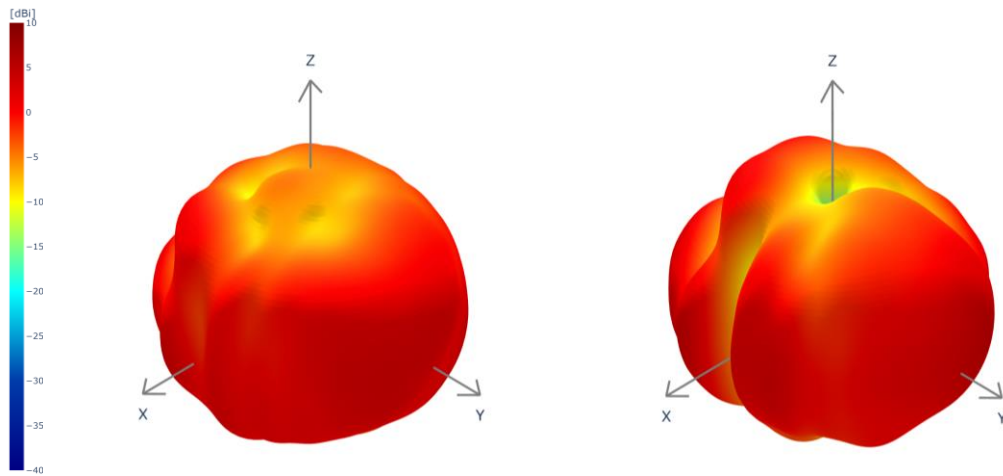
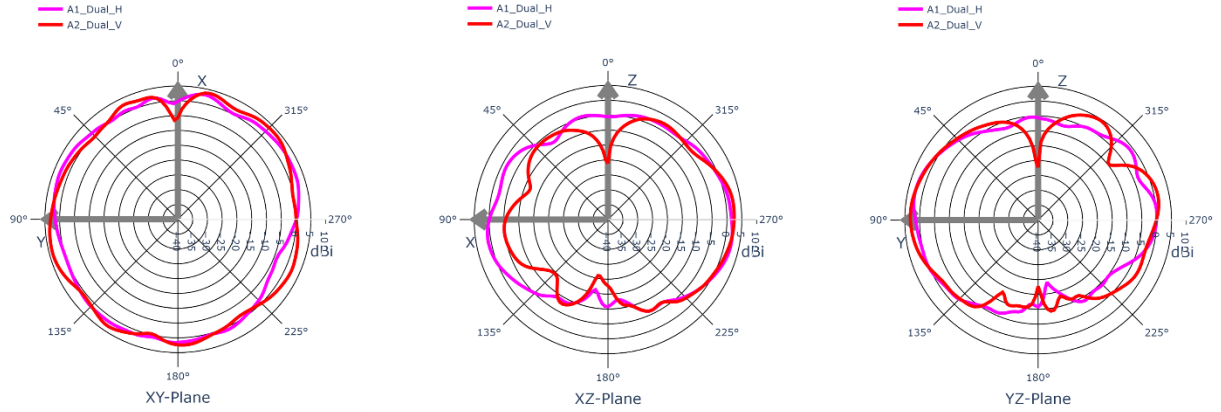


A1\_Dual\_H



A2\_Dual\_V

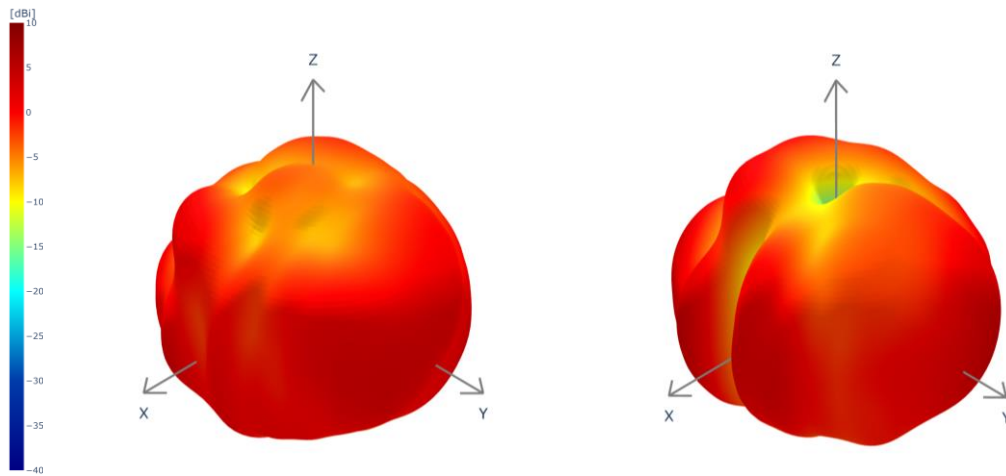
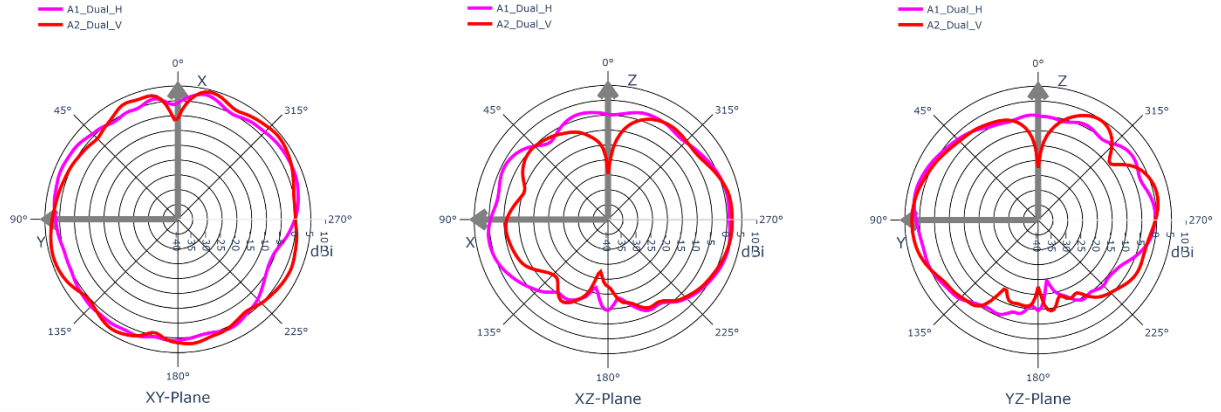
2.40GHz Wi-Fi antenna patterns



A1\_Dual\_H

A2\_Dual\_V

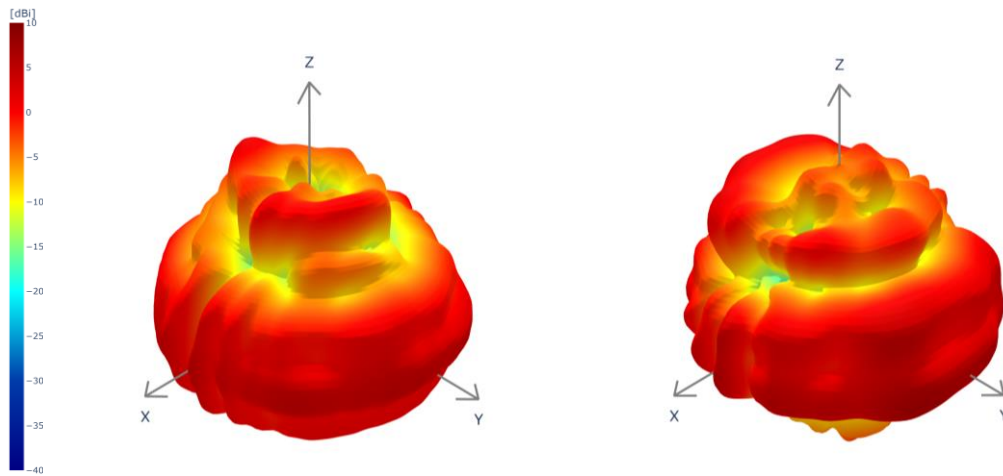
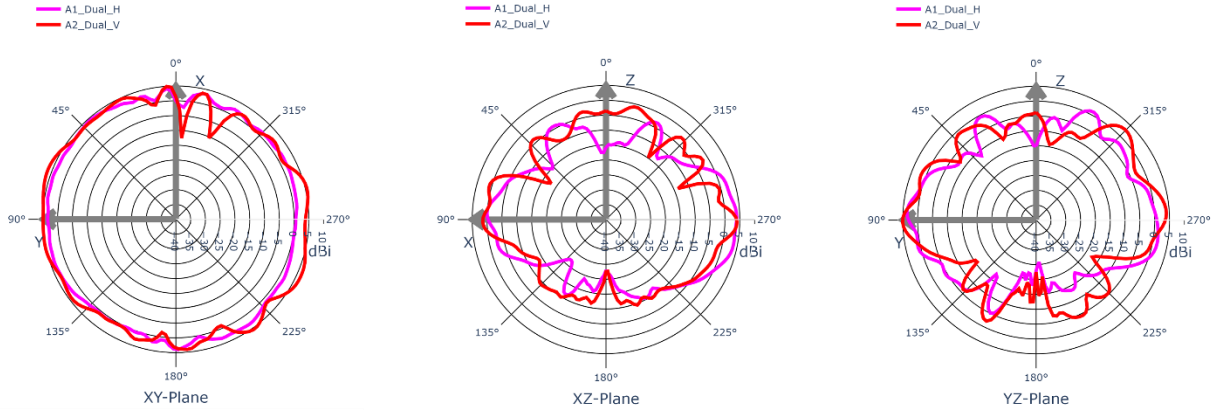
2.45GHz Wi-Fi antenna patterns



A1\_Dual\_H

A2\_Dual\_V

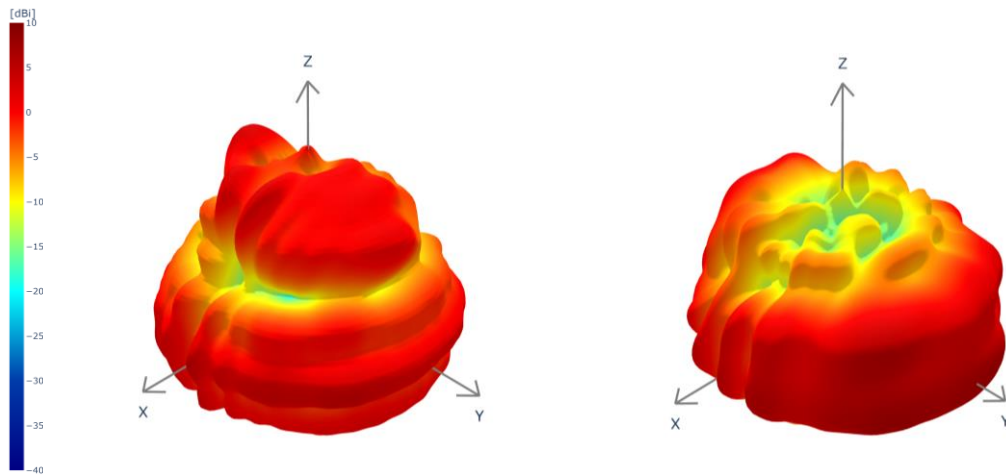
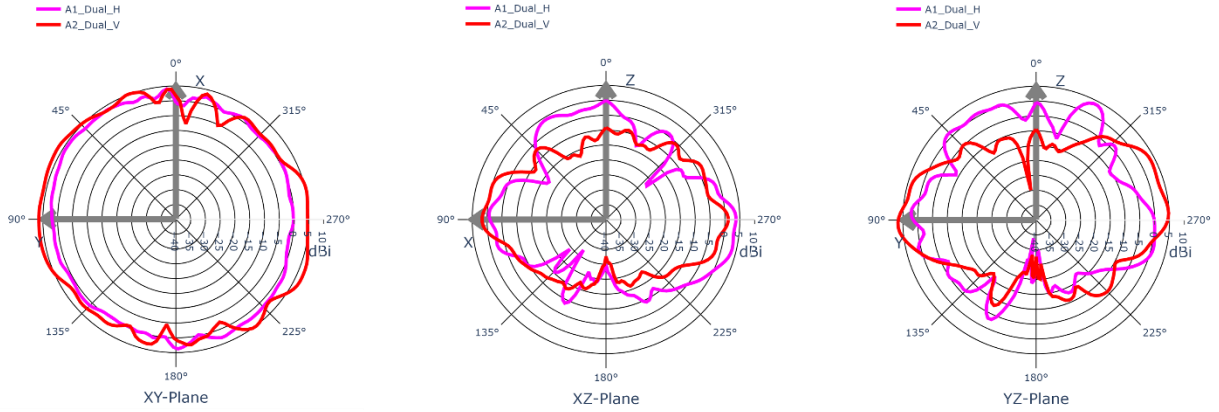
2.48GHz Wi-Fi antenna patterns



A1\_Dual\_H

A2\_Dual\_V

5.2GHz Wi-Fi antenna patterns

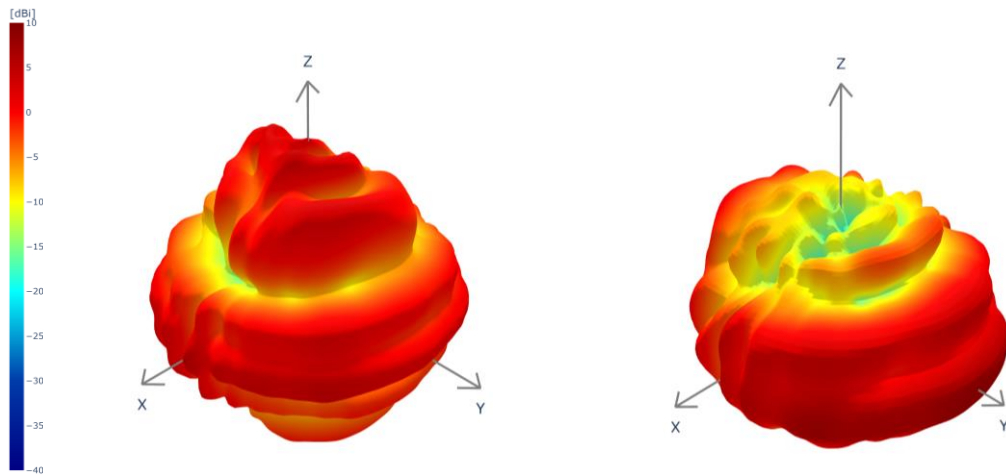
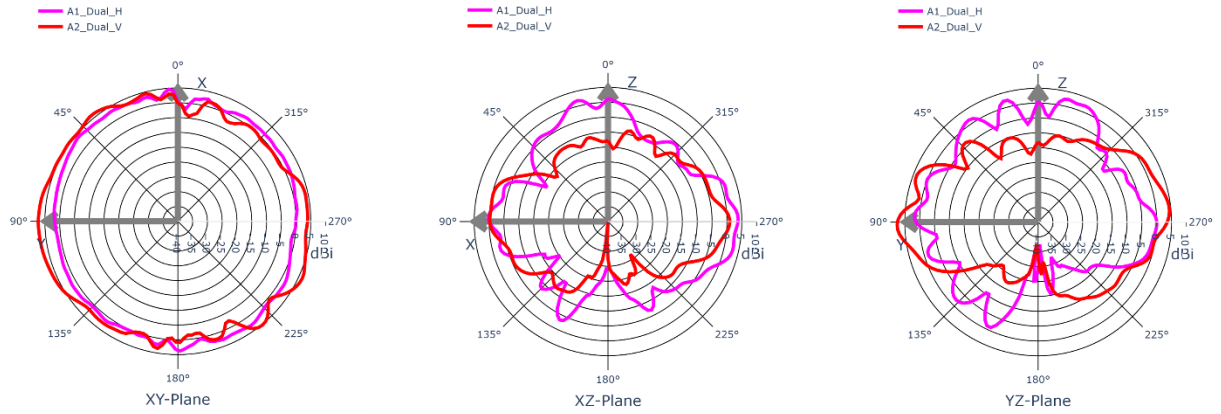


A1\_Dual\_H

A2\_Dual\_V

5.5GHz Wi-Fi antenna patterns

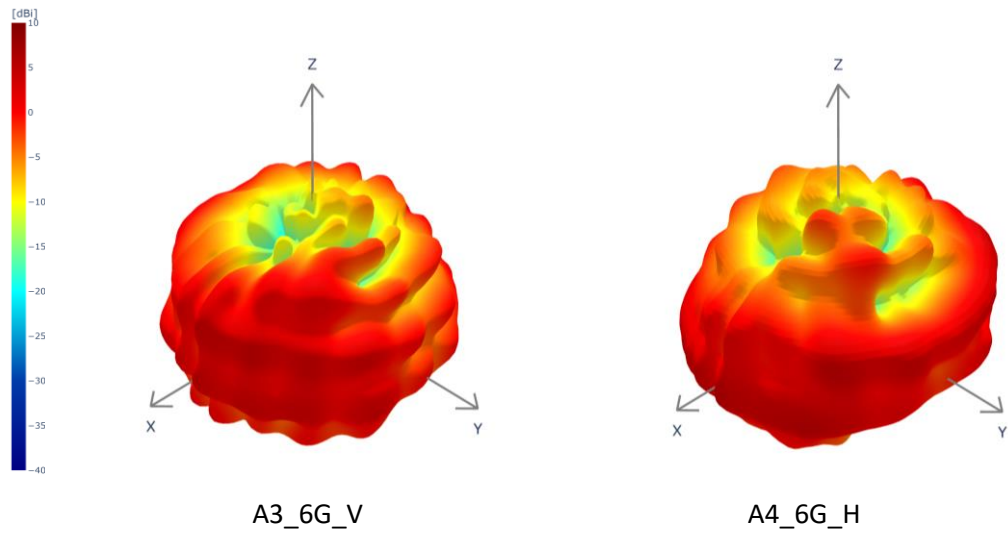
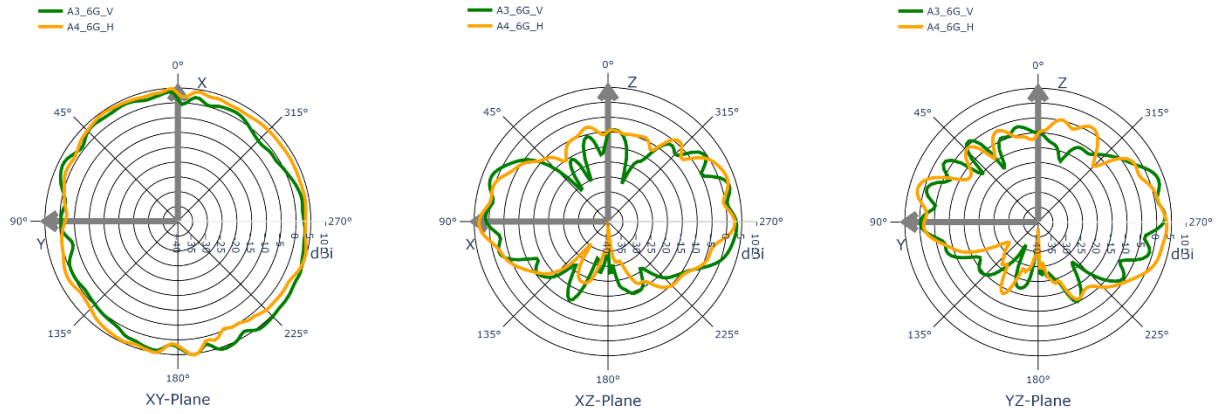




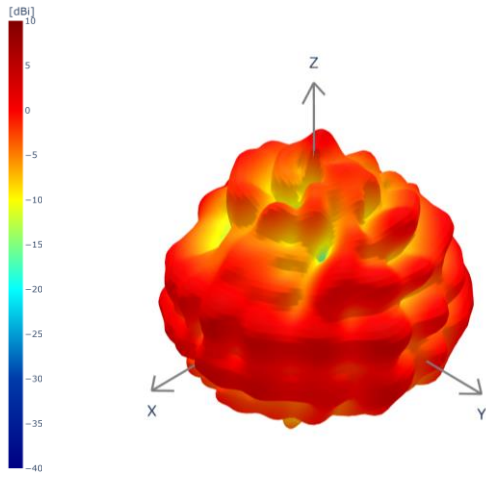
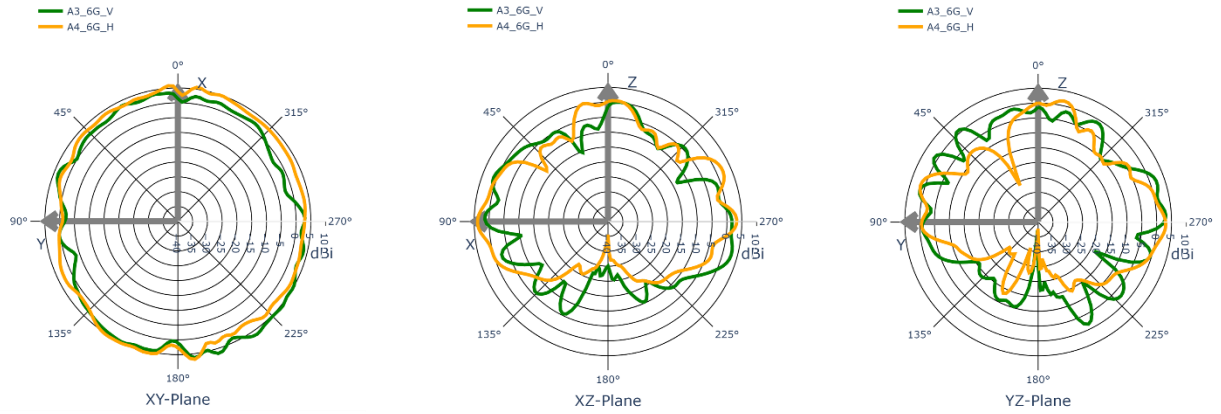
A1\_Dual\_H

A2\_Dual\_V

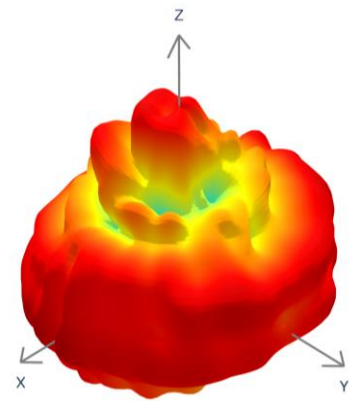
5.8GHz Wi-Fi antenna patterns



6.1GHz Wi-Fi antenna patterns

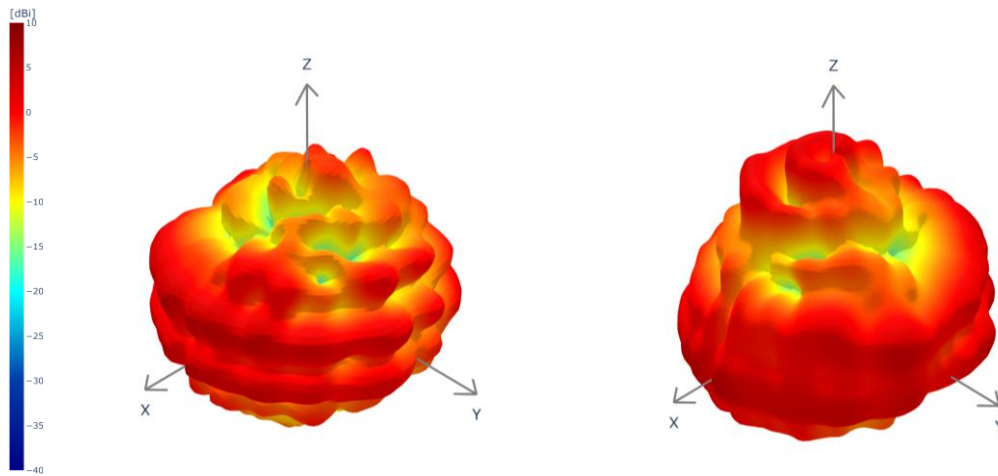
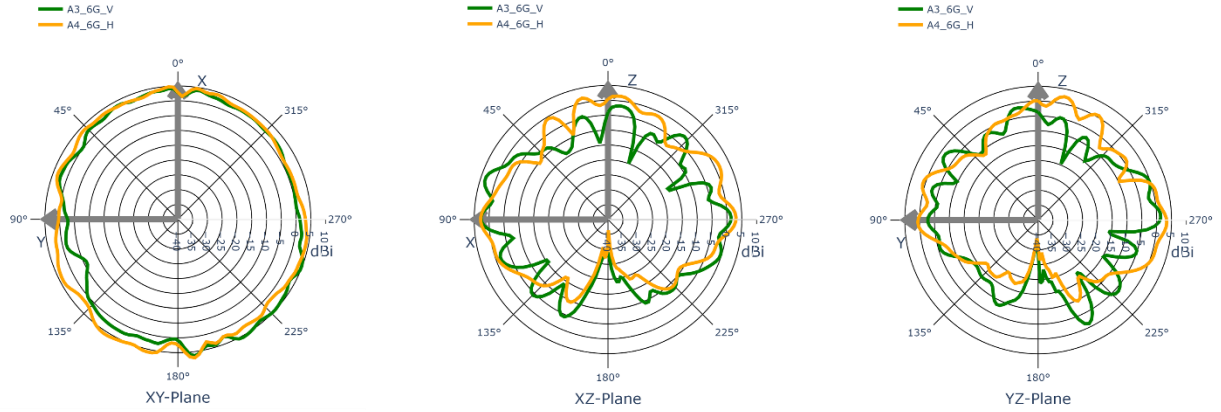


A3\_6G\_V



A4\_6G\_H

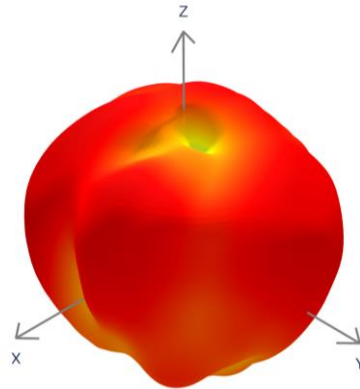
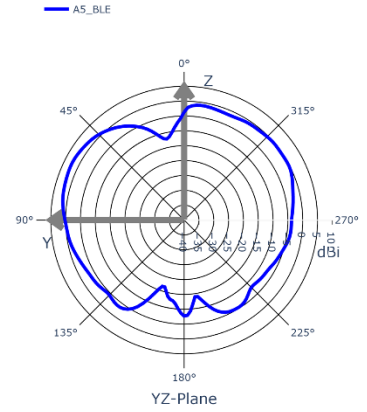
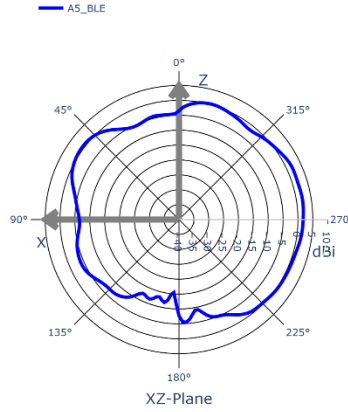
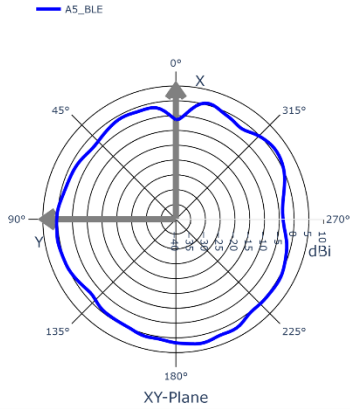
6.5GHz Wi-Fi antenna patterns



A3\_6G\_V

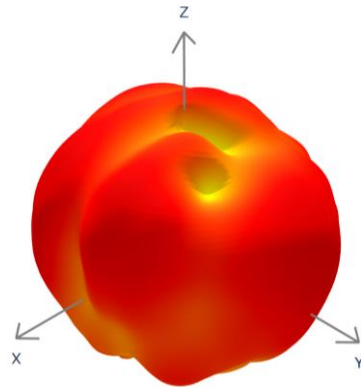
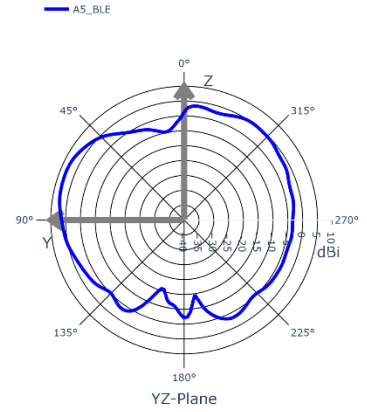
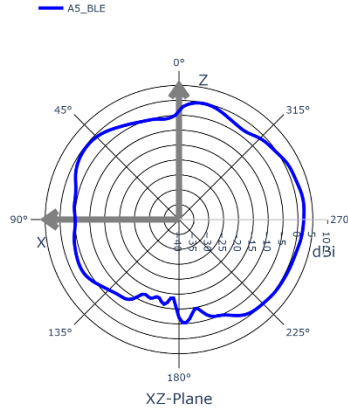
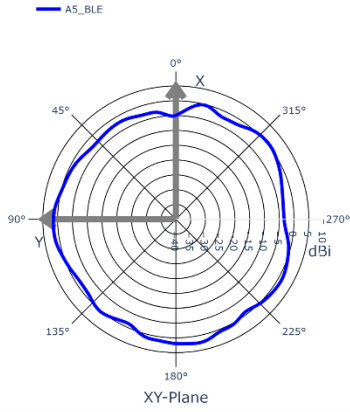
A4\_6G\_H

6.9GHz Wi-Fi antenna patterns



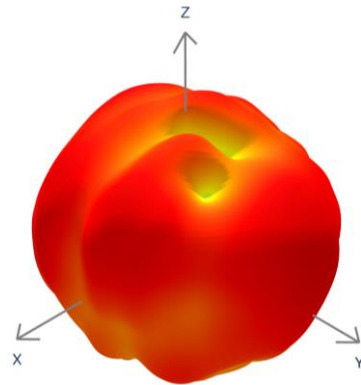
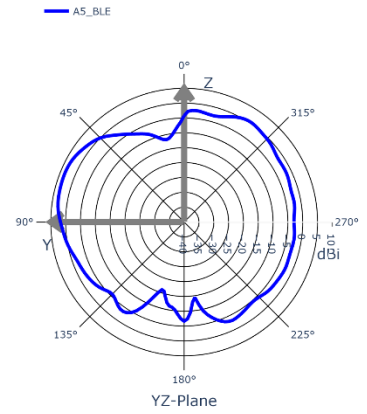
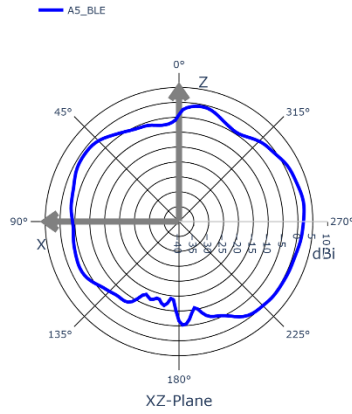
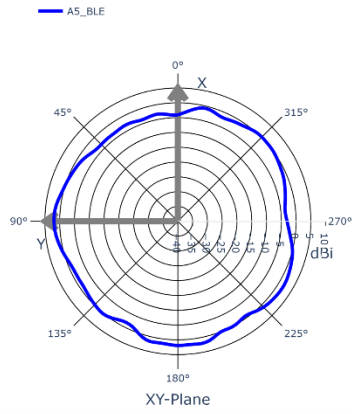
A5\_BLE

2.40GHz BLE antenna patterns



A5\_BLE

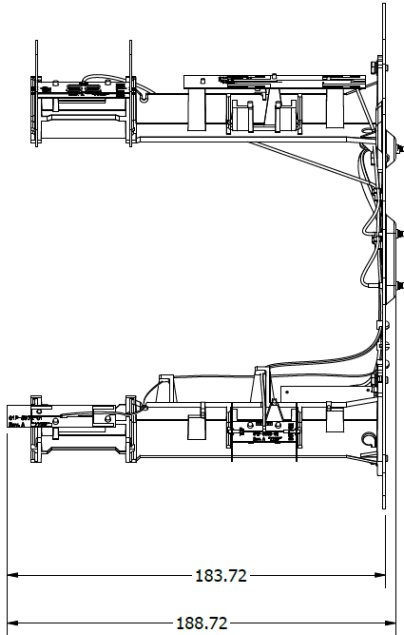
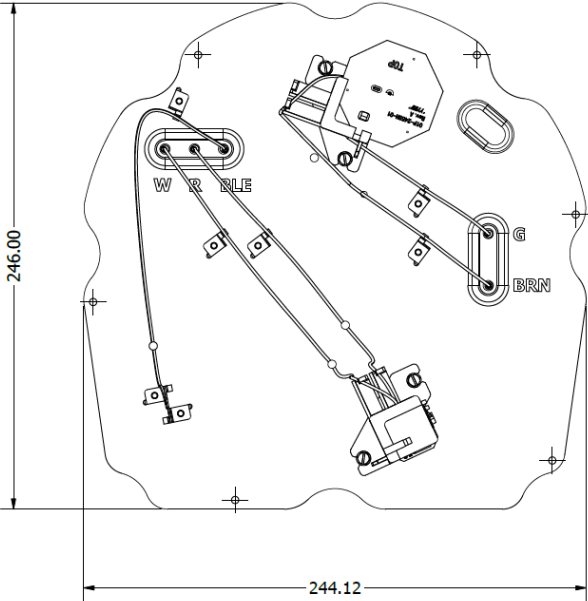
2.45GHz BLE antenna patterns



A5\_BLE

2.48GHz BLE antenna patterns

# Mechanical drawings



# Ordering information

Part number	Description
<b>HPE Aruba Networking Antennas for outdoor Access Points</b>	
<b>Model number</b>	HPE Aruba Networking AP-ANT-675 Tri-Band Antenna