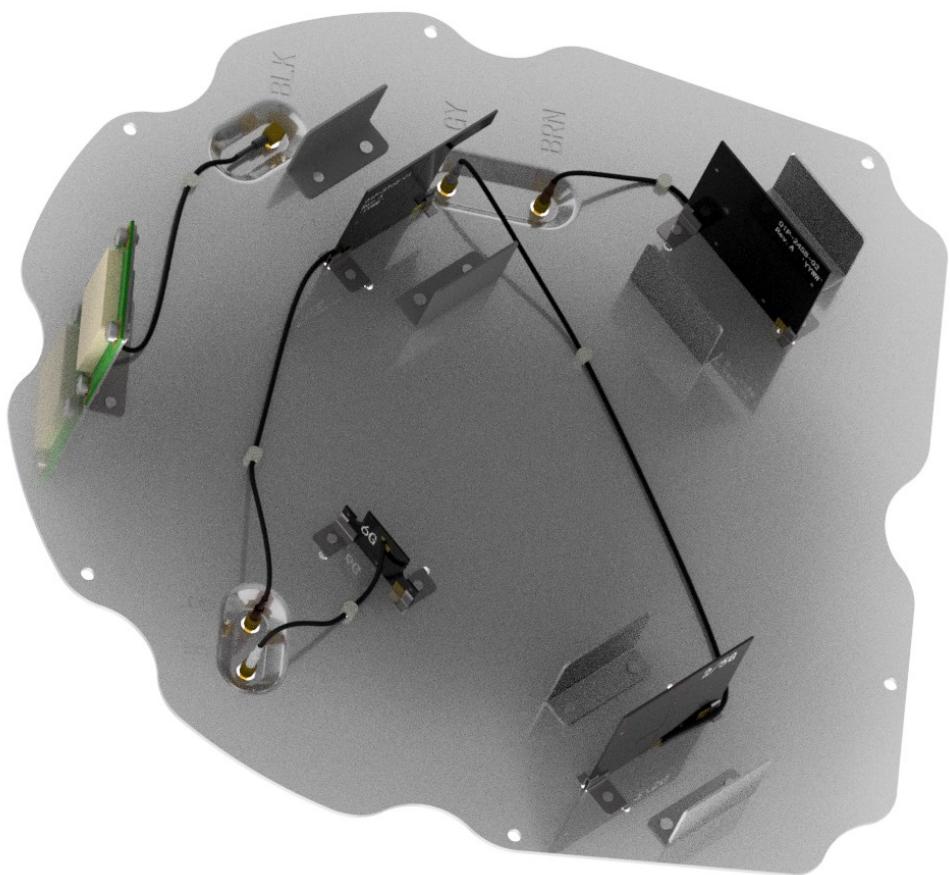


# DATASHEET

**aruba**  
a Hewlett Packard  
Enterprise company



The AP-ANT-677 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-677 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	6.6dBi/5.2dBi
- 5GHz	4.900GHz – 5.875GHz	7.2dBi/6.5dBi
- 6GHz	5.935GHz – 7.150GHz	7.2dBi/6.3dBi
- BLE	2.400GHz – 2.500GHz	6.3dBi

### Polarization

- $\pm 45^\circ$  polarization

### Input impedance

- 50 Ohms

### Maximum input power

- 1 Watts

### VSWR

- < 2:1 max

### Material

- Plate: Aluminum
- Antenna: PCB

### Port isolation

- 35dB

### Dimensions

- 244.12\*246.0\*47.0mm

### Weight

- 251g

### Cable length & type / connector

- 1.37mm Low-Loss Cable/MMCX Connector

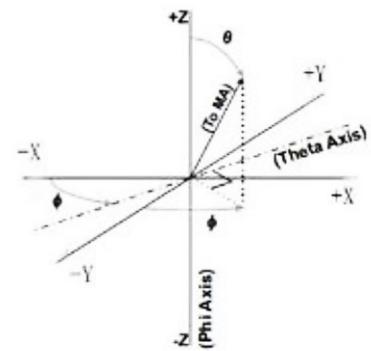
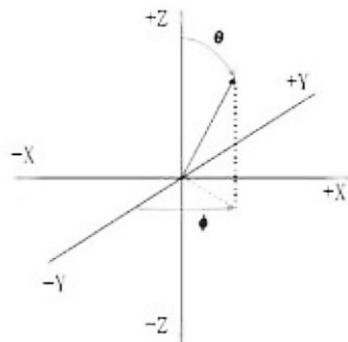
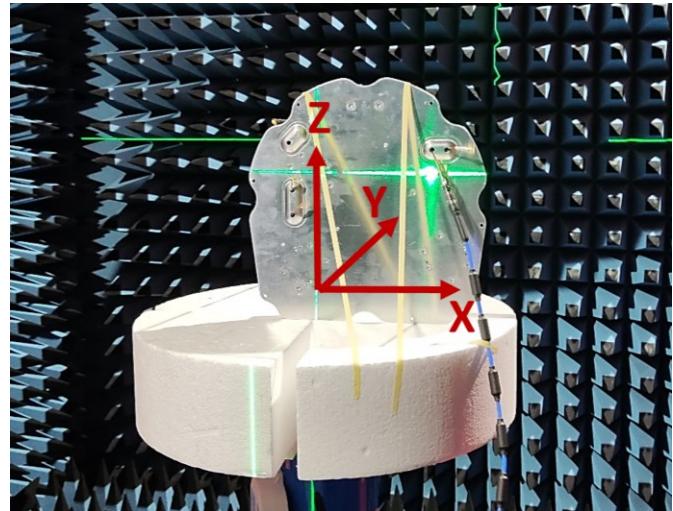
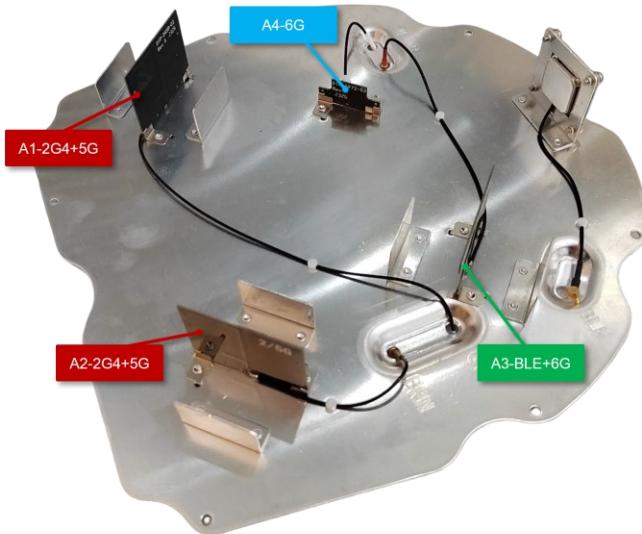
### Operating temperature range and relative humidity

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

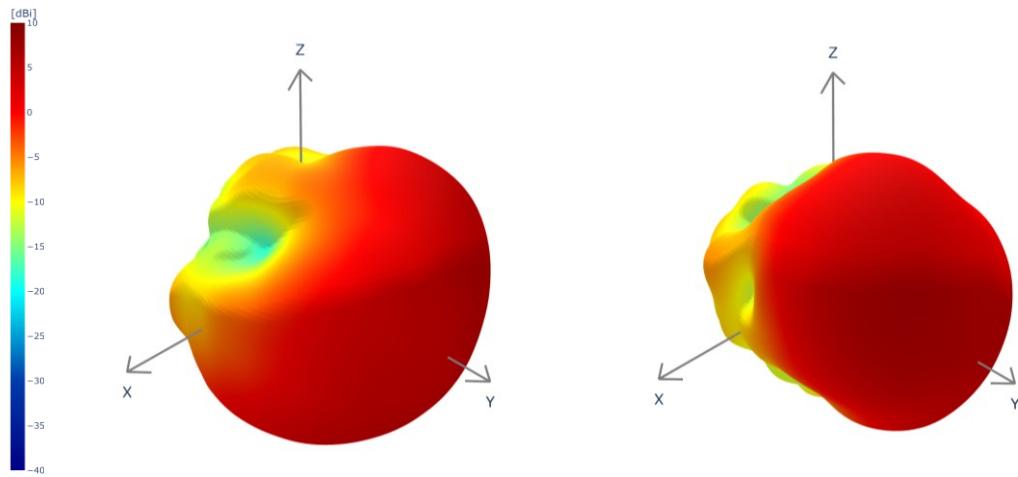
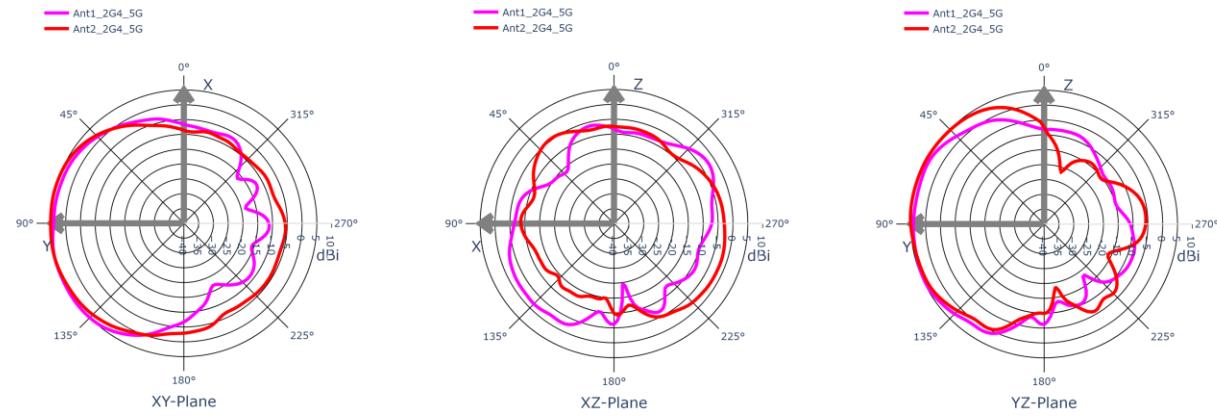
### Shipping content

- Packing in cartons

## Antenna patterns



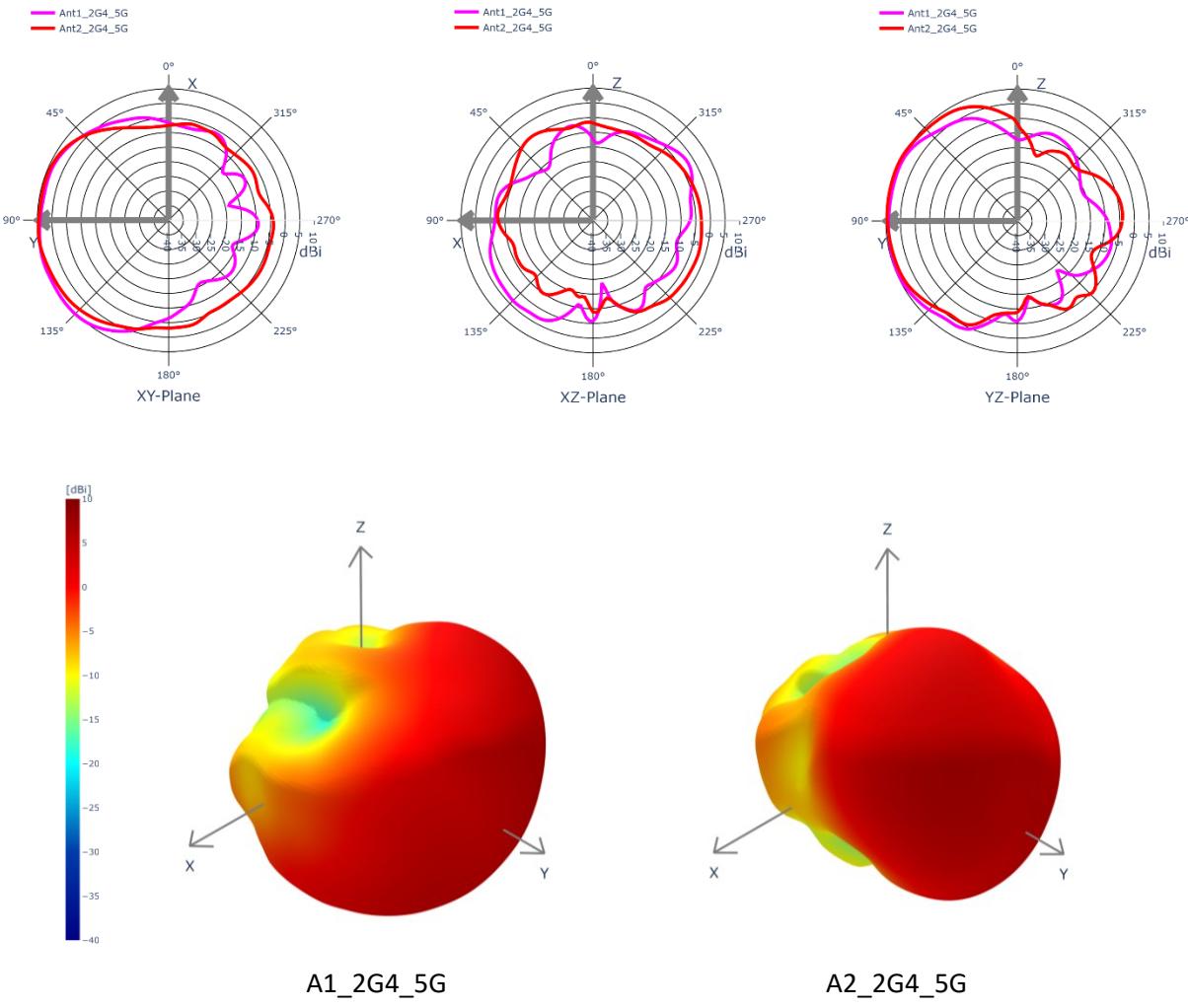
Horizontal (azimuth) planes (top view)   Vertical (elevation) planes (front/side view XZ /YZ)



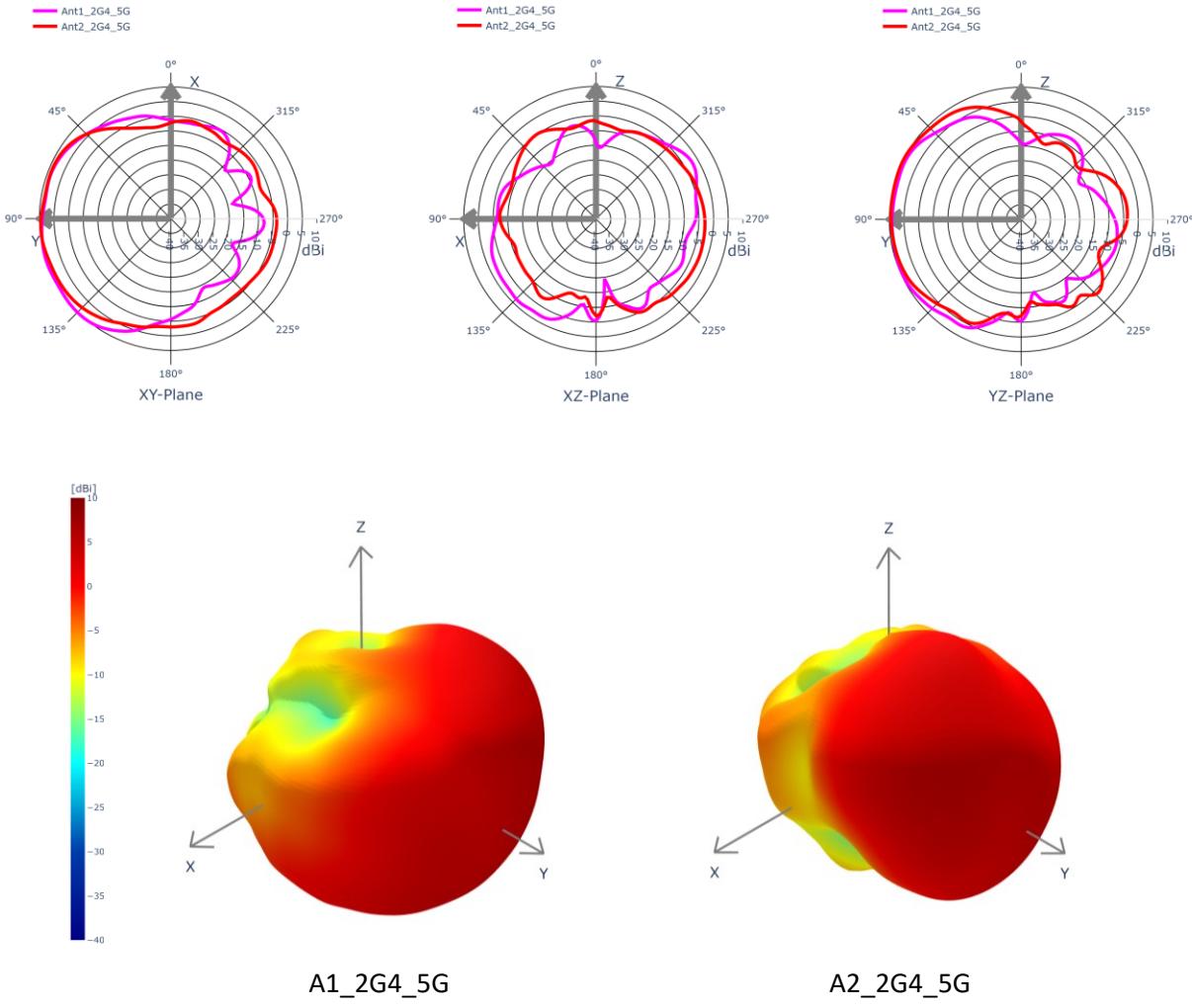
A1\_2G4\_5G

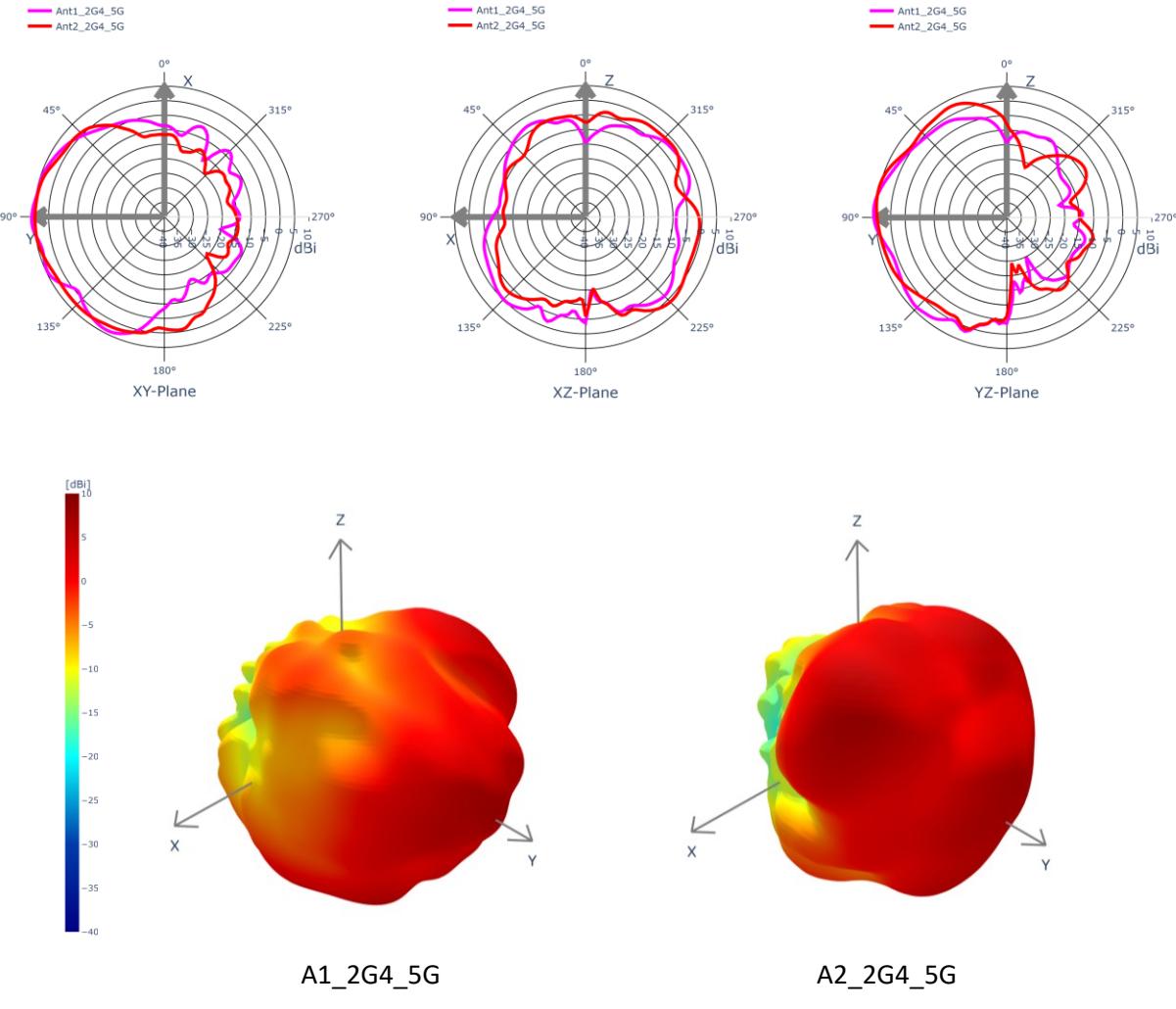
A2\_2G4\_5G

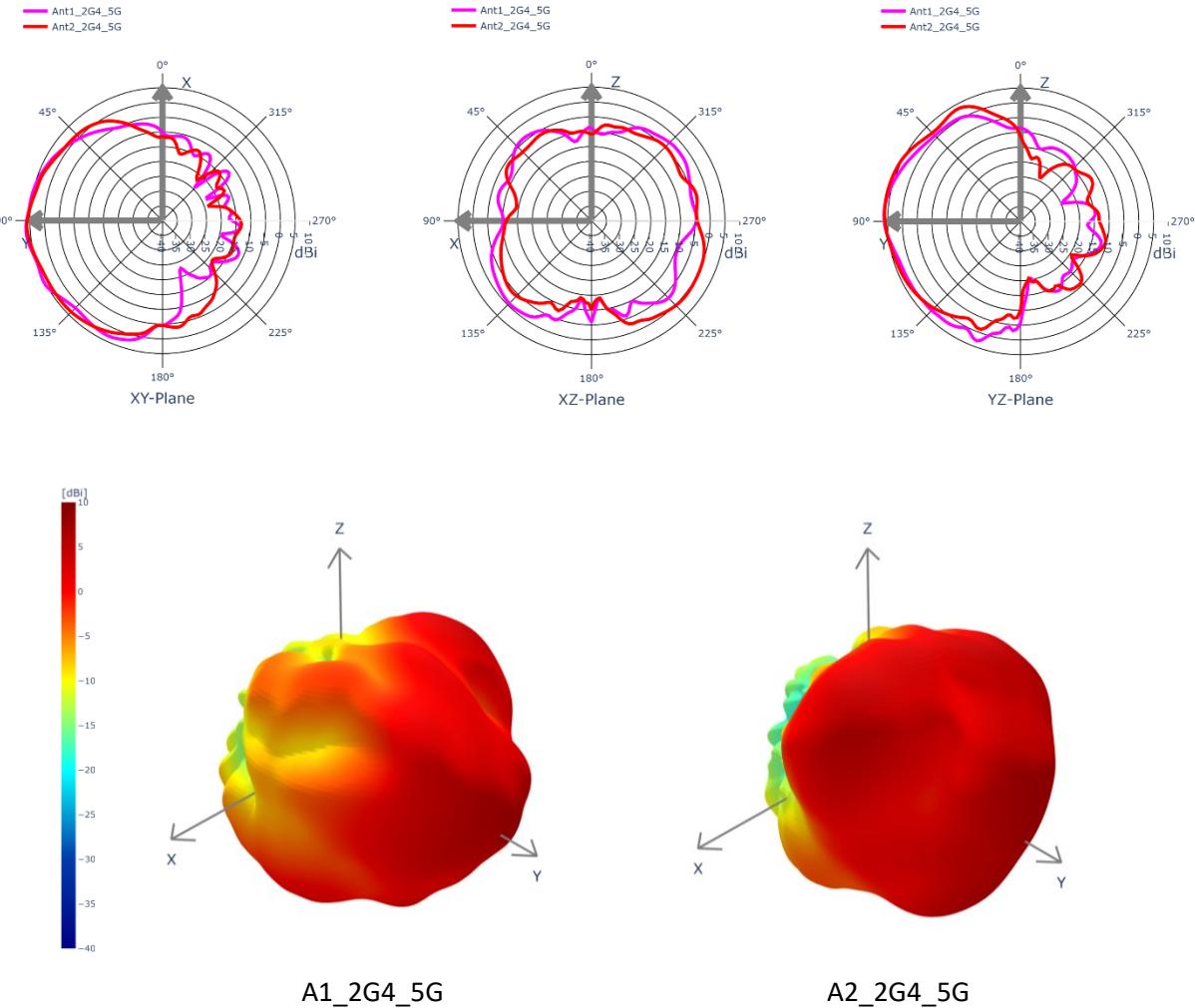
2.40GHz Wi-Fi antenna patterns



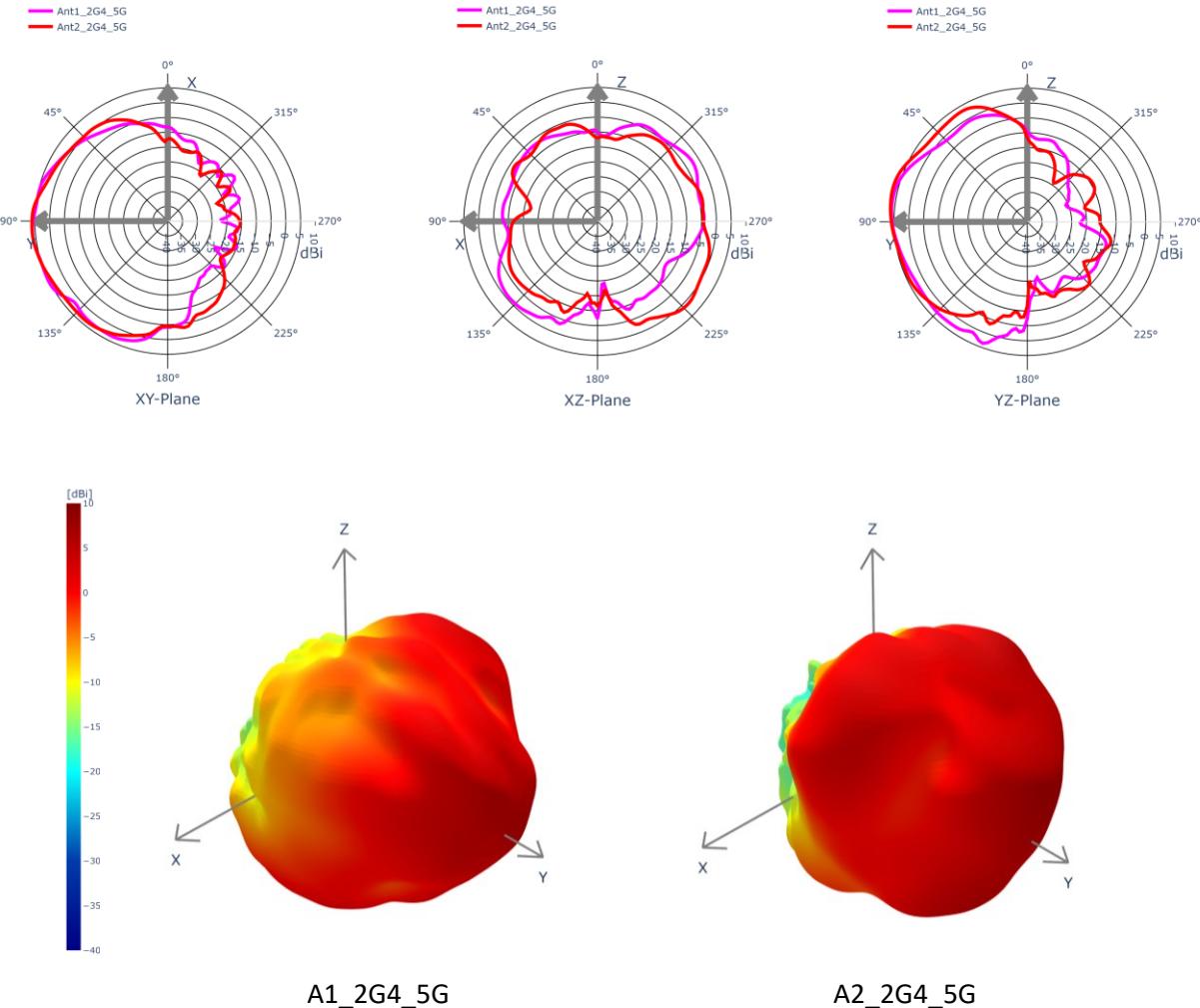
2.45GHz Wi-Fi antenna patterns



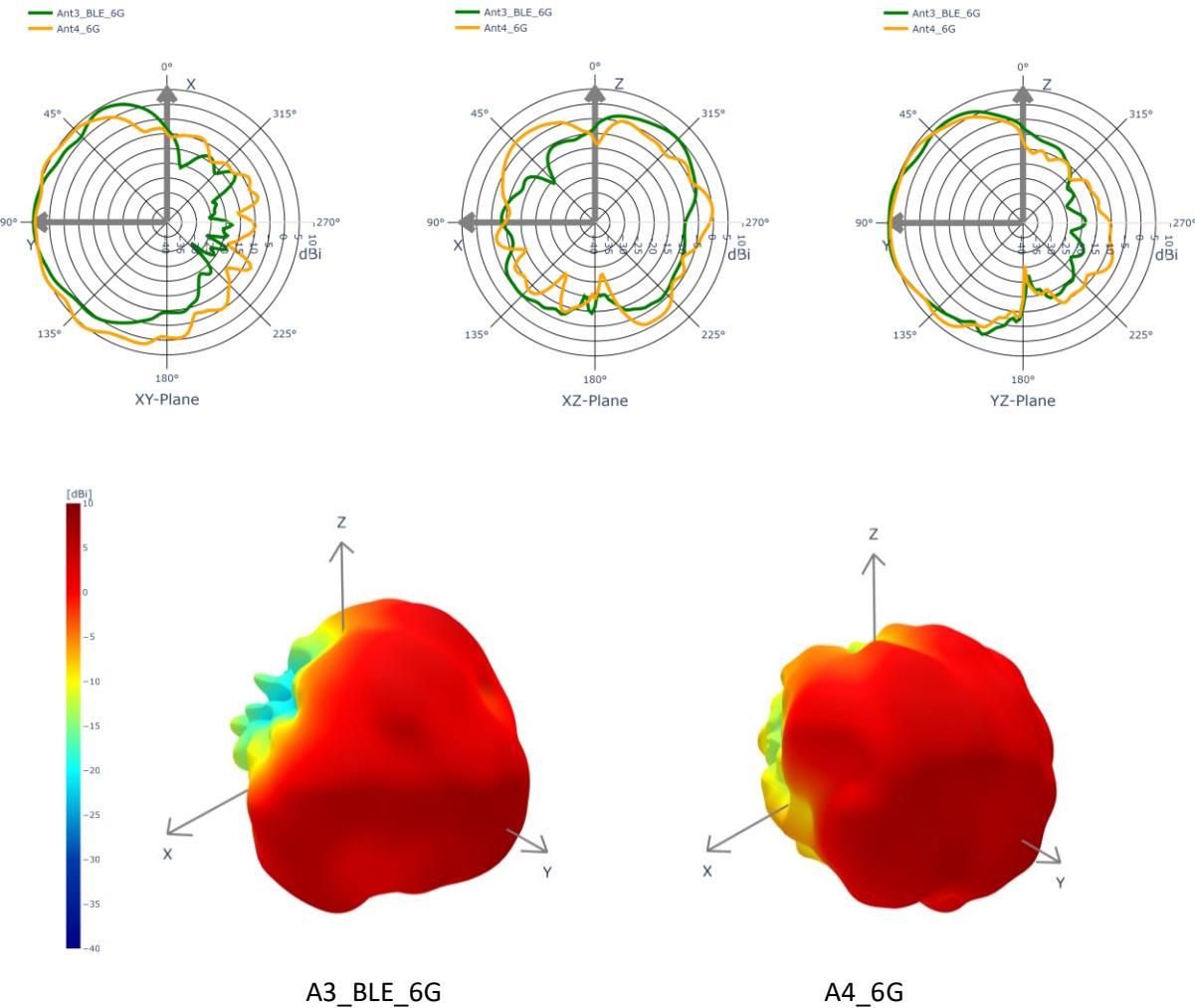




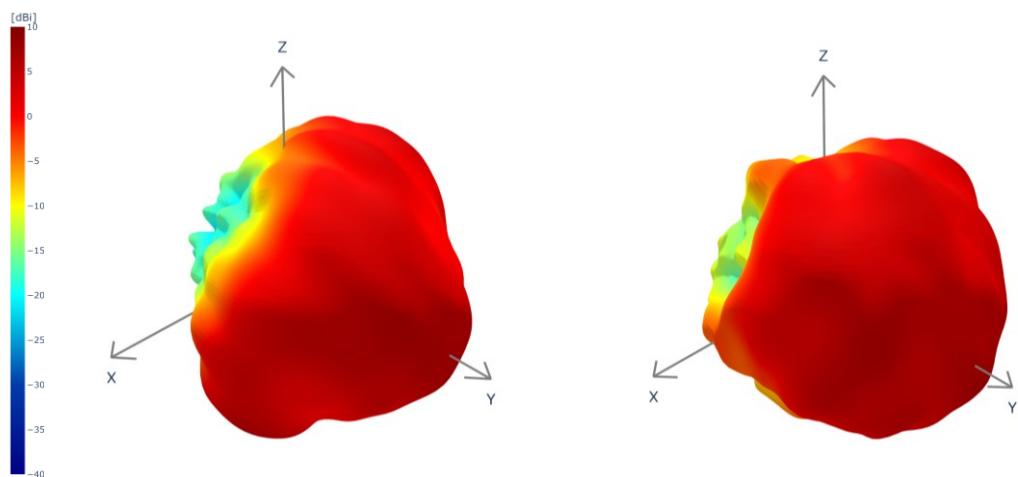
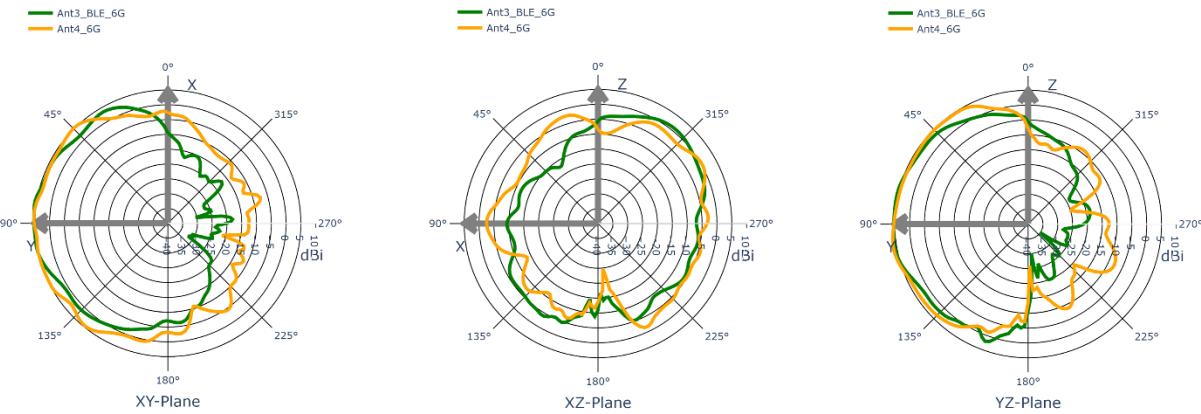
5.5GHz Wi-Fi antenna patterns



5.8GHz Wi-Fi antenna patterns



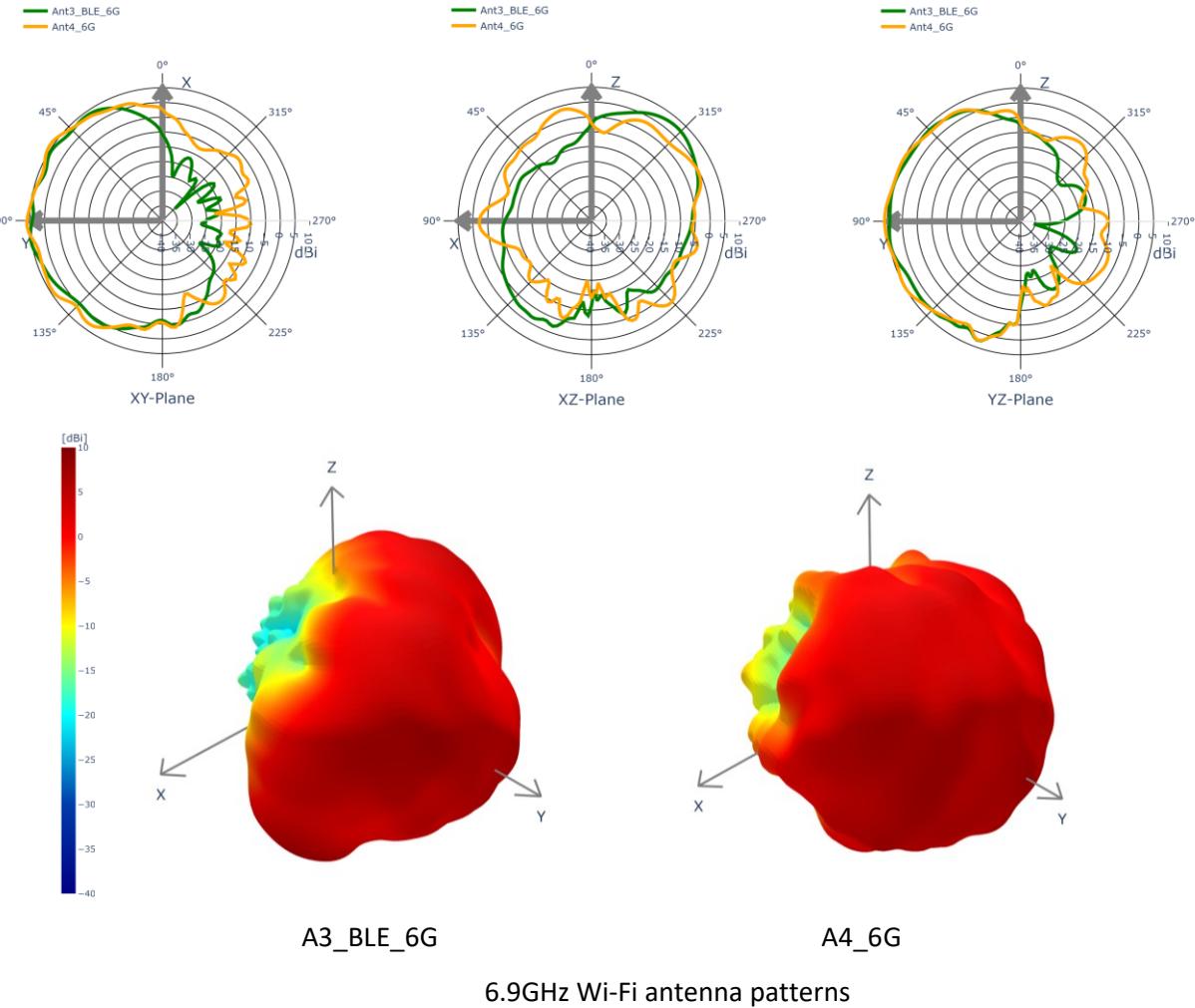
6.1GHz Wi-Fi antenna patterns

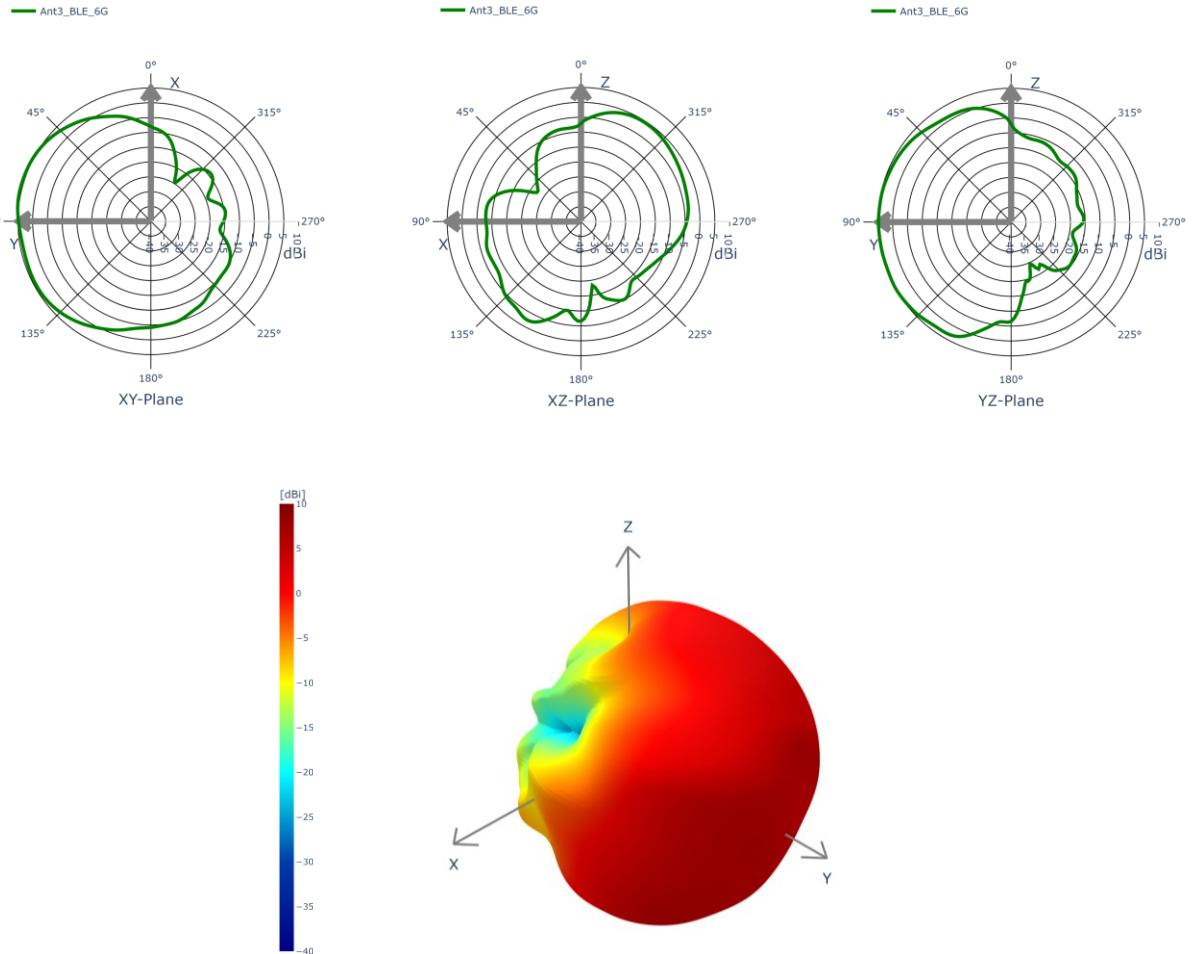


A3\_BLE\_6G

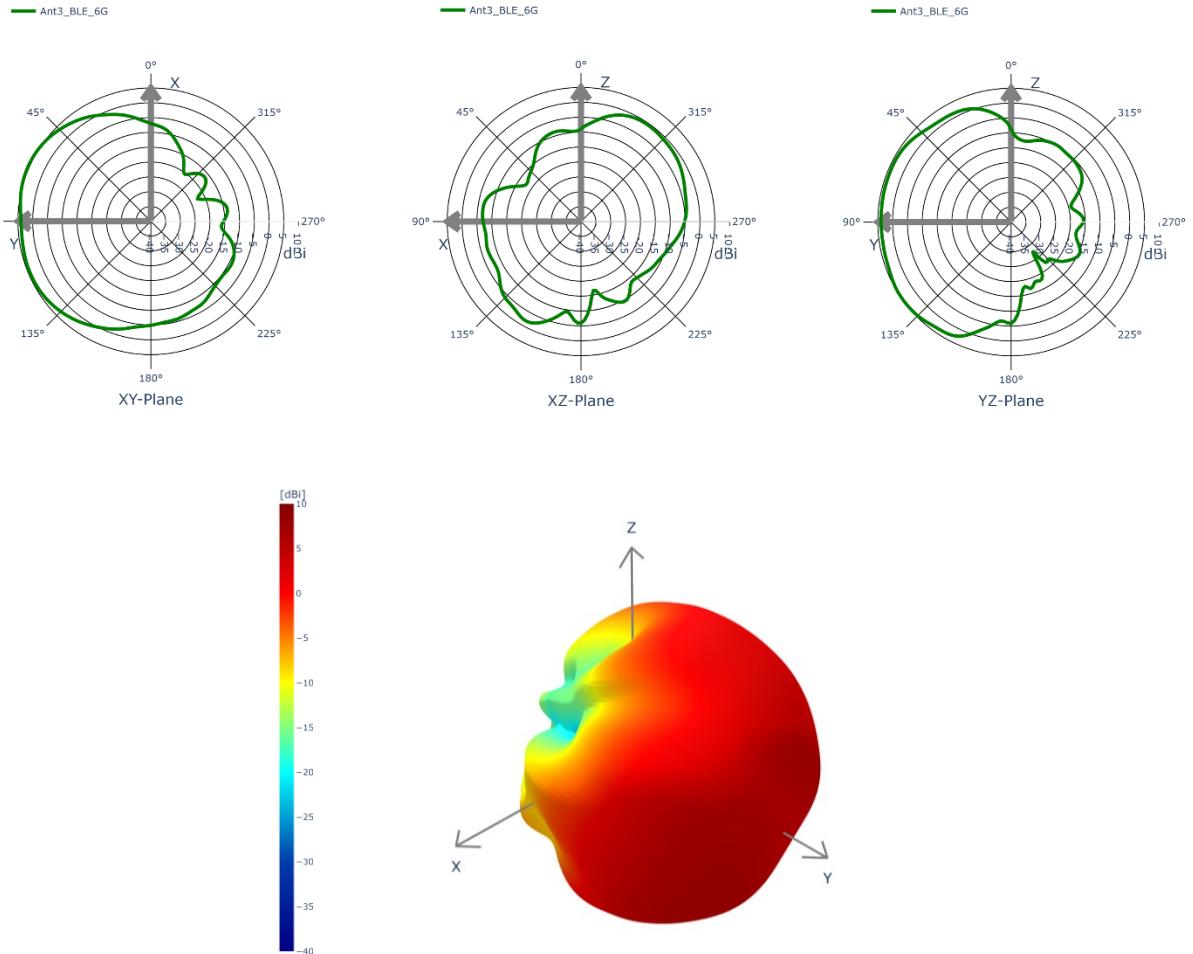
A4\_6G

6.5GHz Wi-Fi antenna patterns

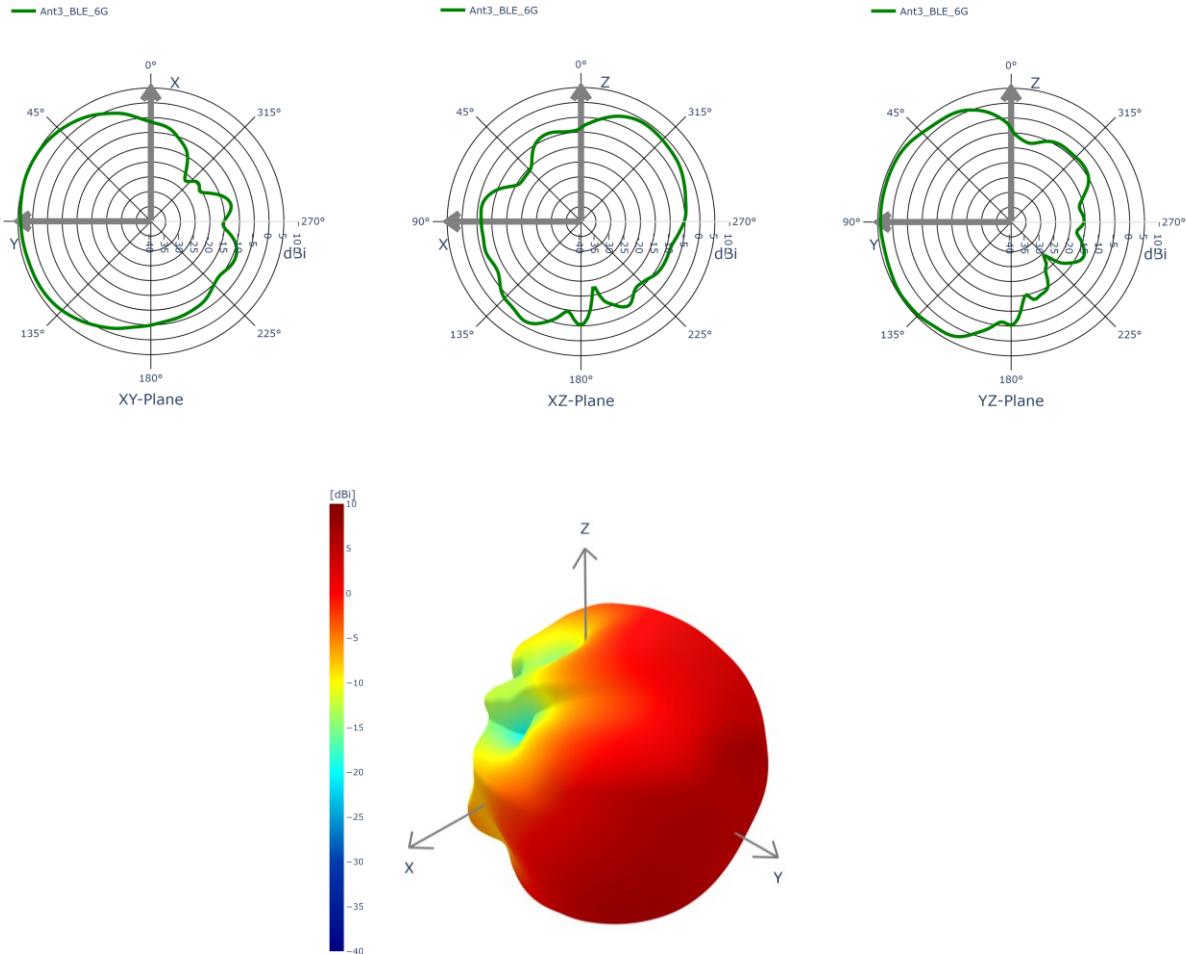




A3\_BLE\_6G  
2.40GHz BLE antenna patterns

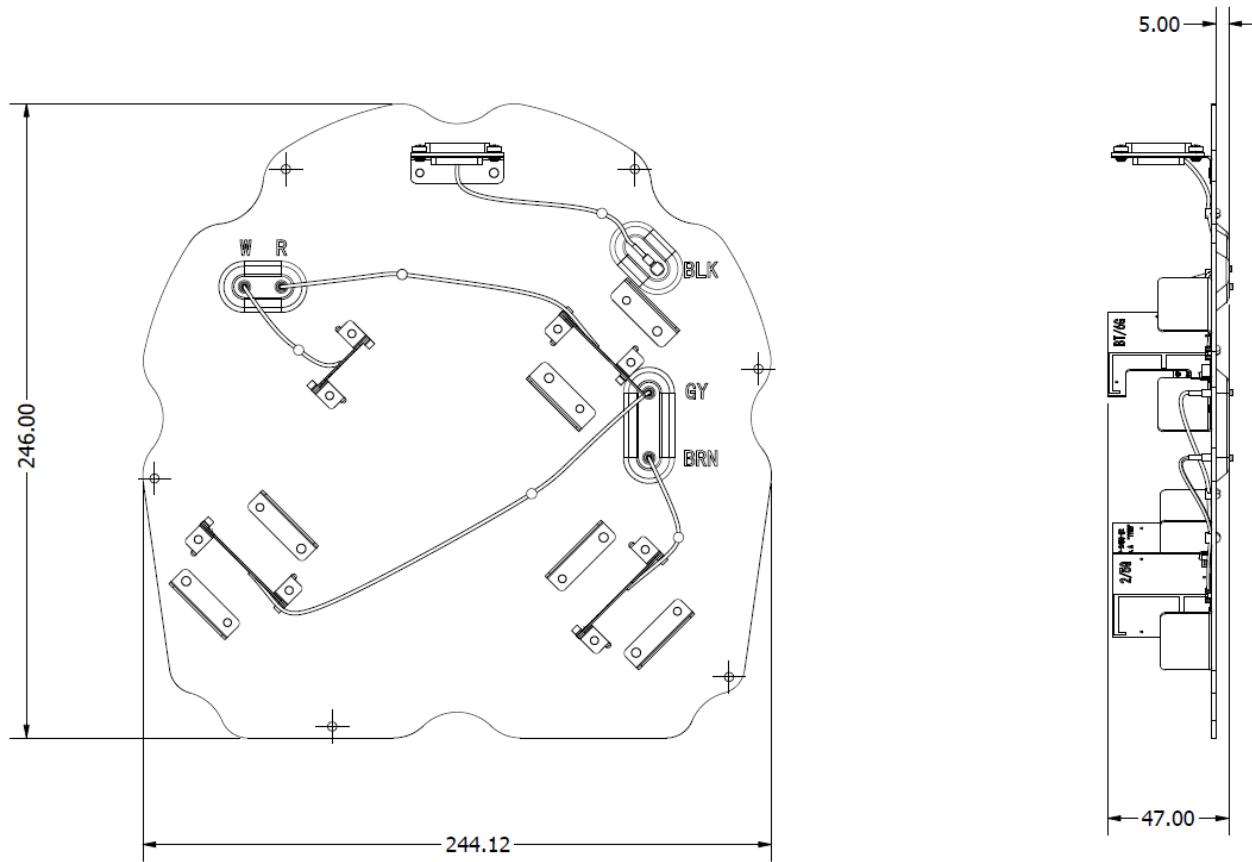


A3\_BLE\_6G  
2.45GHz BLE antenna patterns



2.48GHz BLE antenna patterns

## Mechanical drawings



## Ordering information

Part number	Description
<b>HPE Aruba Networking Antennas for outdoor Access Points</b>	
Model number	HPE Aruba Networking AP-ANT-677 Tri-Band Antenna