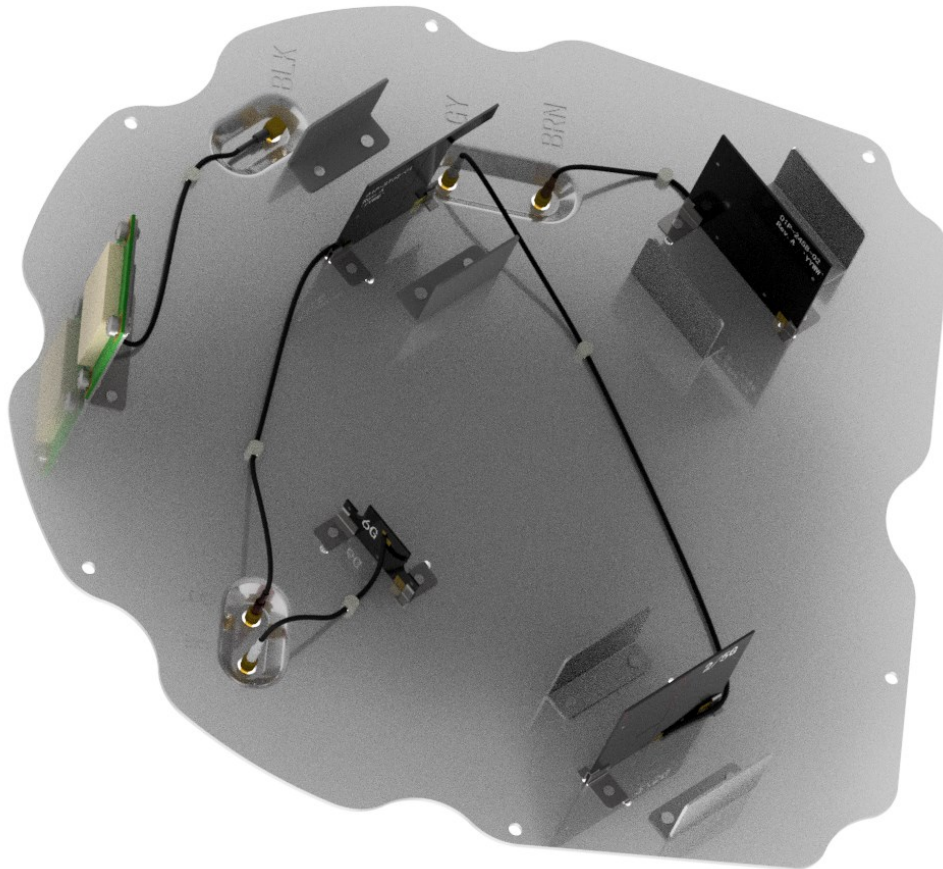


DATASHEET



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

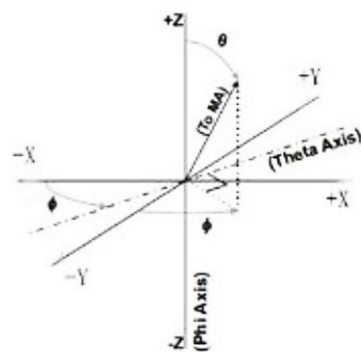
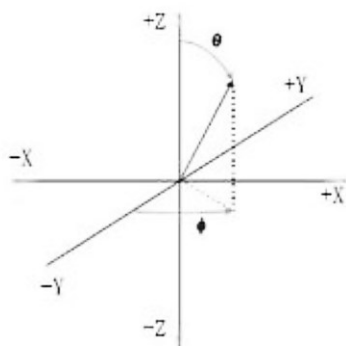
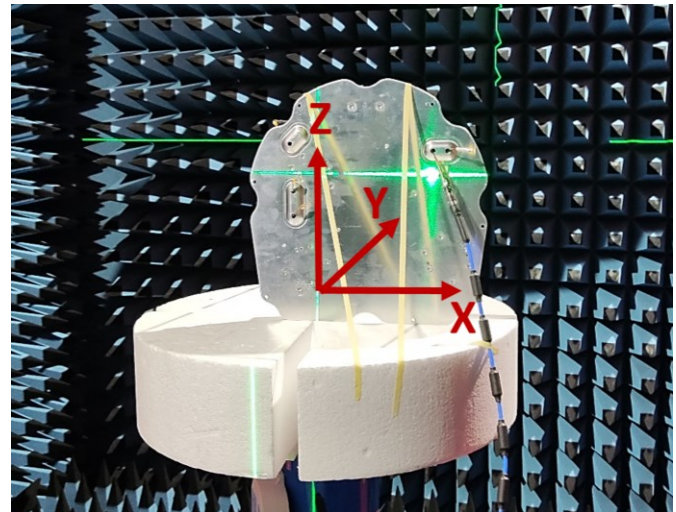
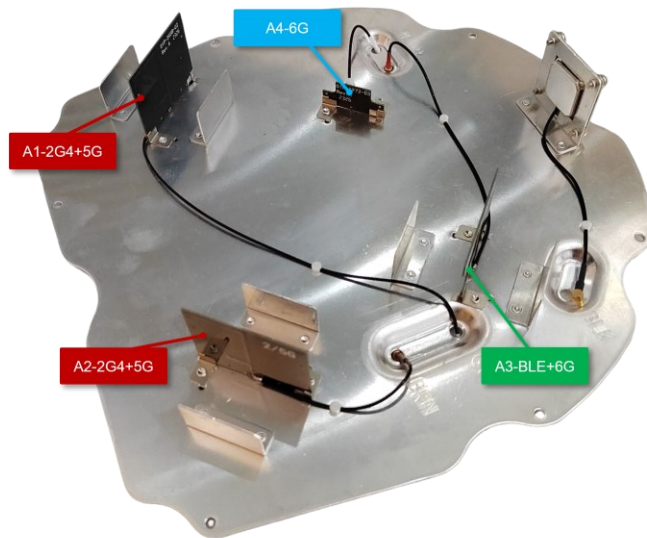
Operating temperature range and relative humidity

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

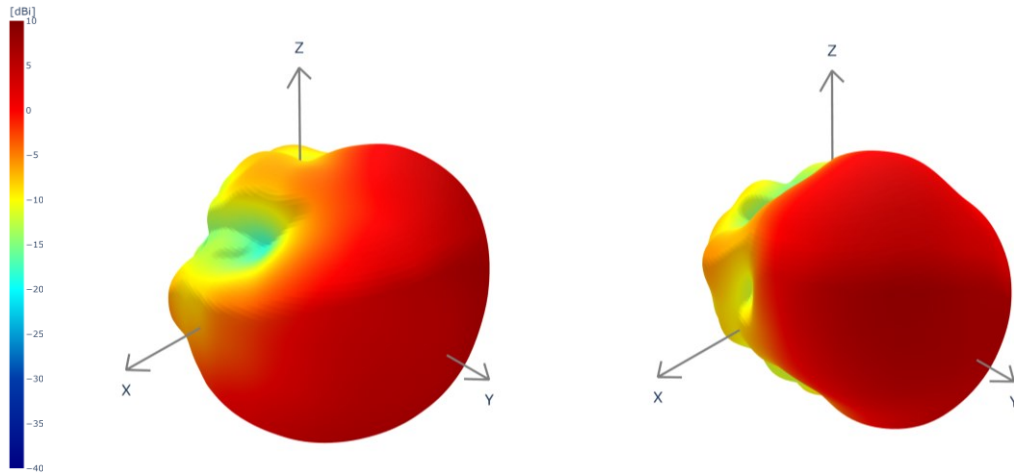
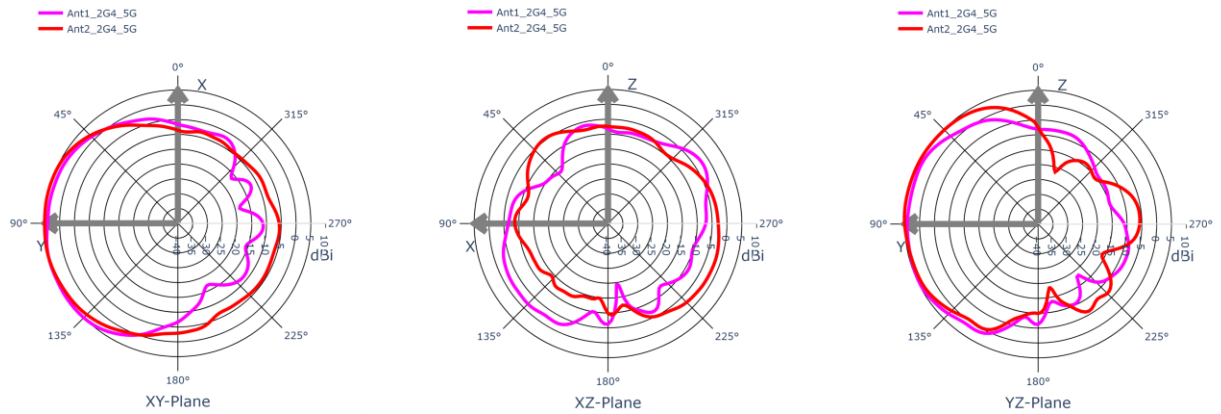
Shipping content

- Packing in cartons

Antenna patterns



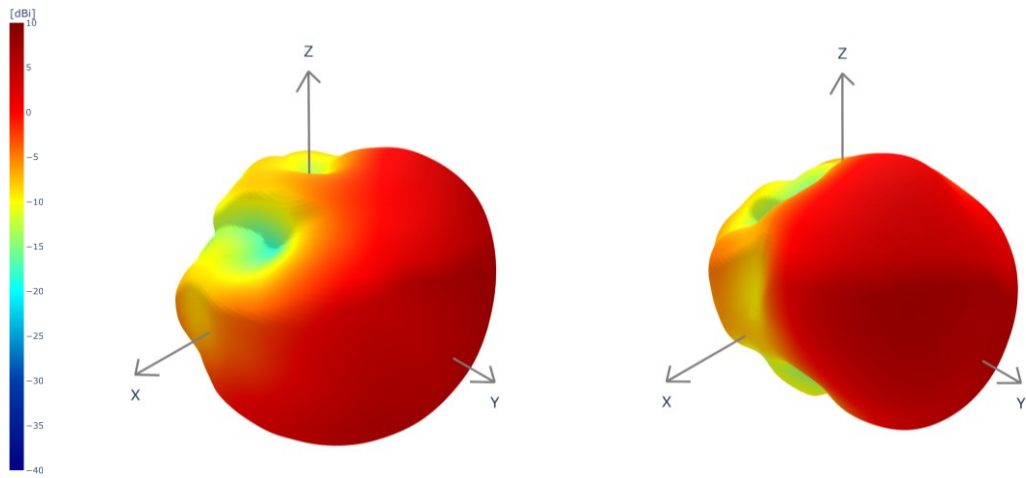
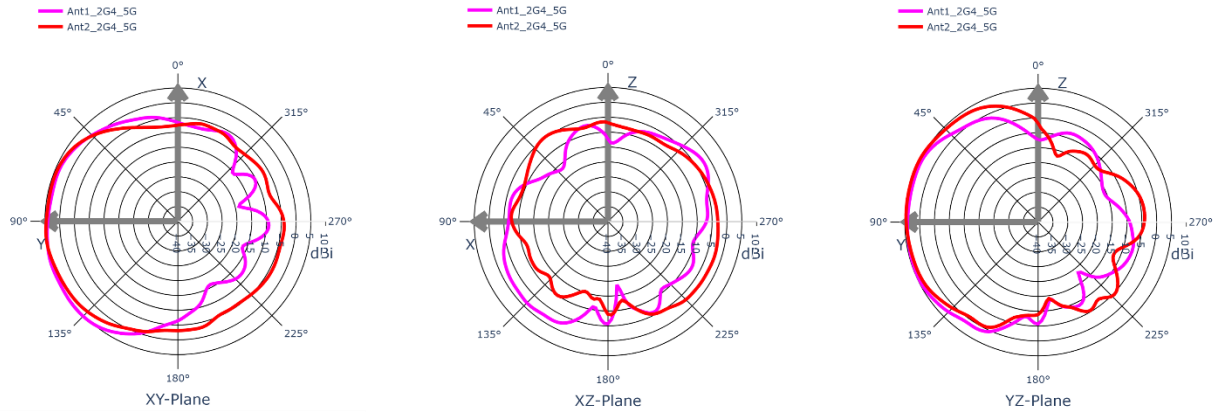
Horizontal (azimuth) planes (top view) Vertical (elevation) planes (front/side view XZ /YZ)



A1_2G4_5G

A2_2G4_5G

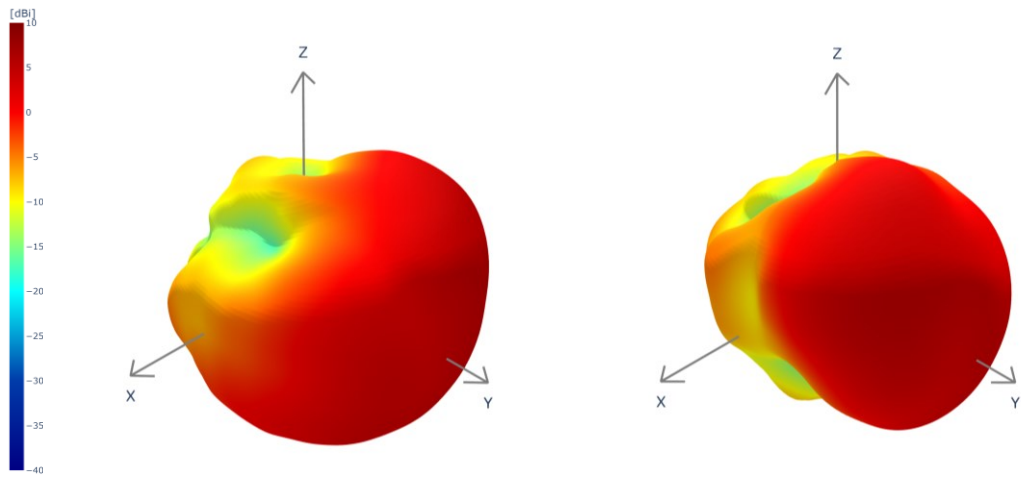
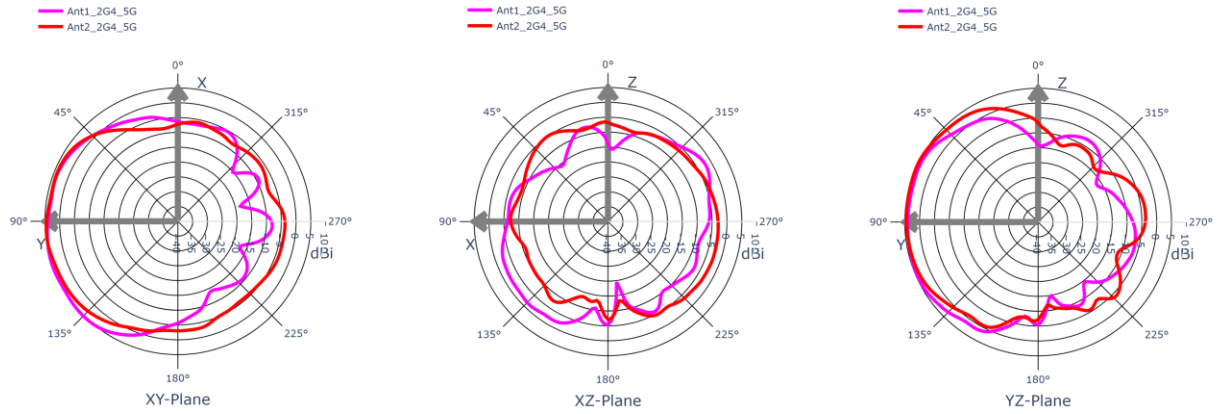
2.40GHz Wi-Fi antenna patterns



A1_2G4_5G

A2_2G4_5G

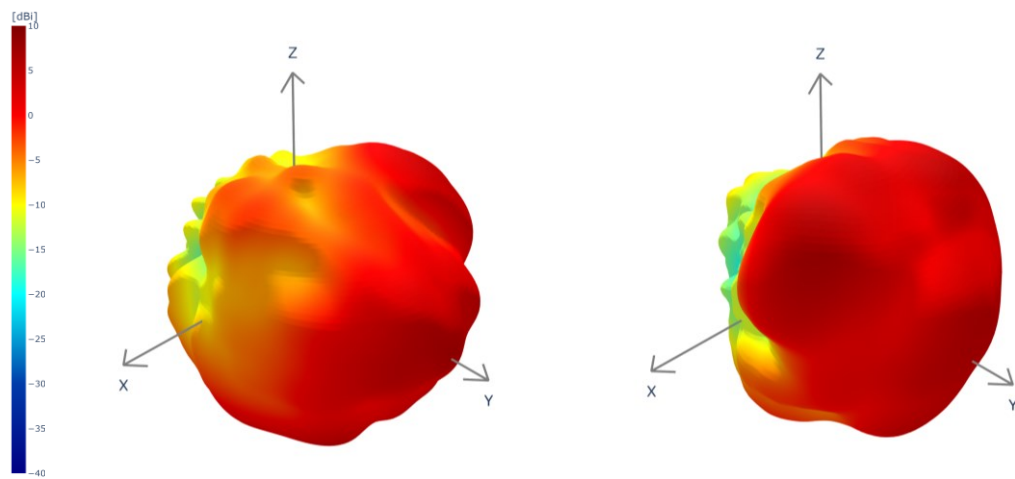
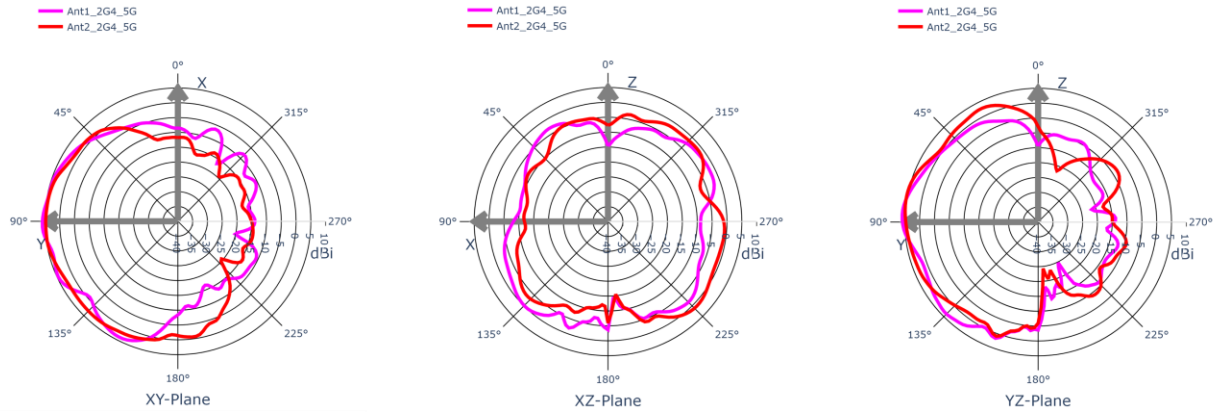
2.45GHz Wi-Fi antenna patterns



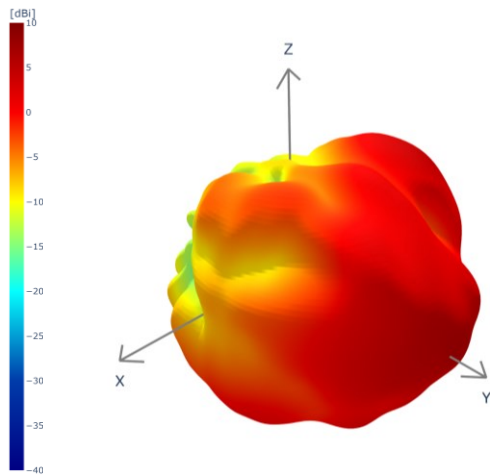
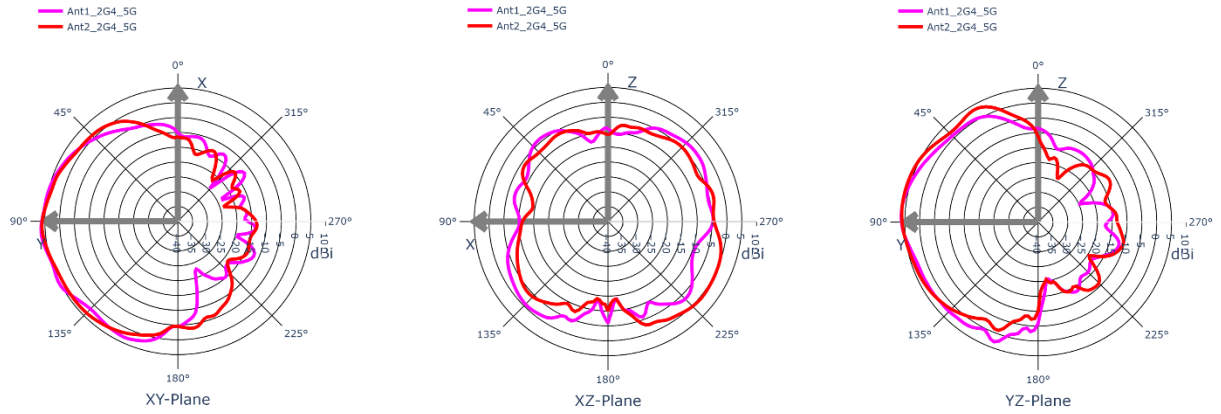
A1_2G4_5G

A2_2G4_5G

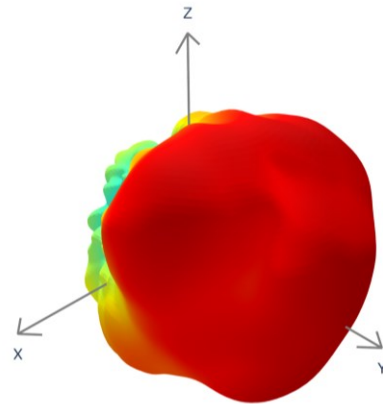
2.48GHz Wi-Fi antenna patterns



5.2GHz Wi-Fi antenna patterns

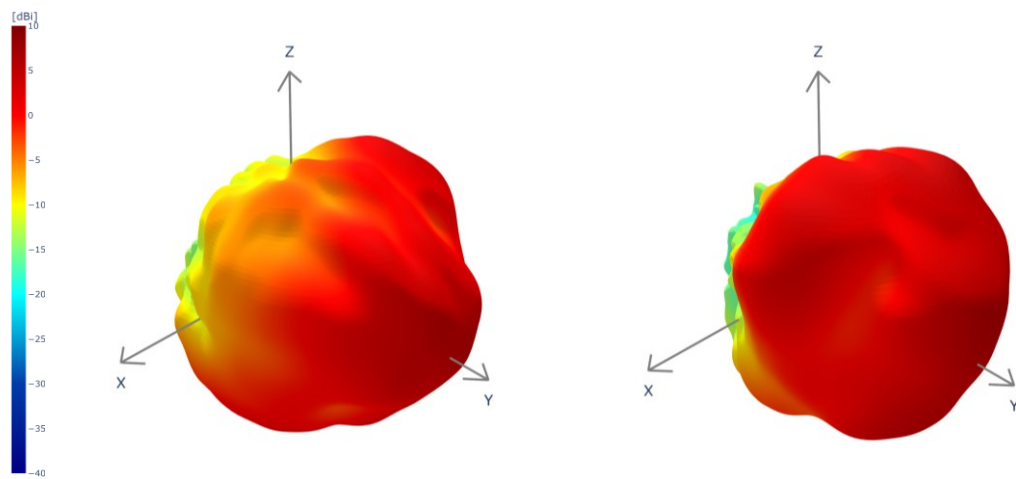
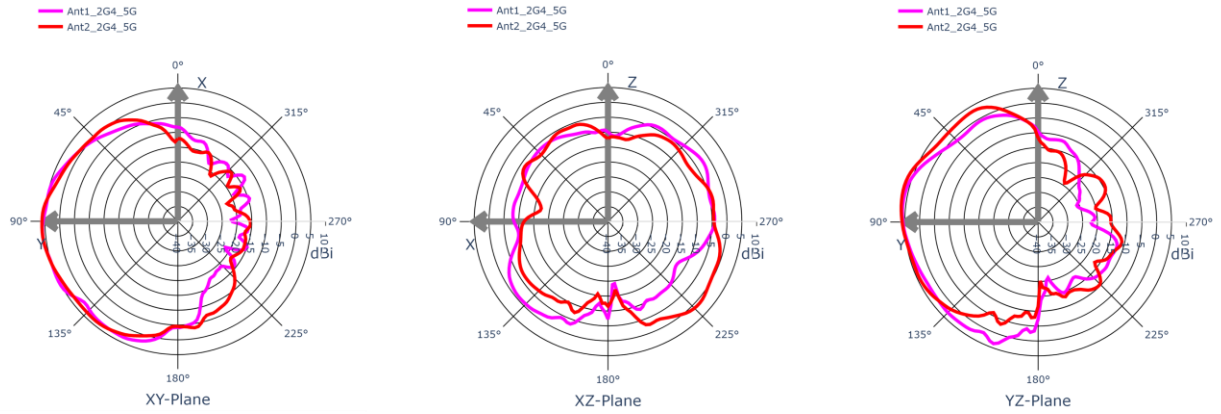


A1_2G4_5G

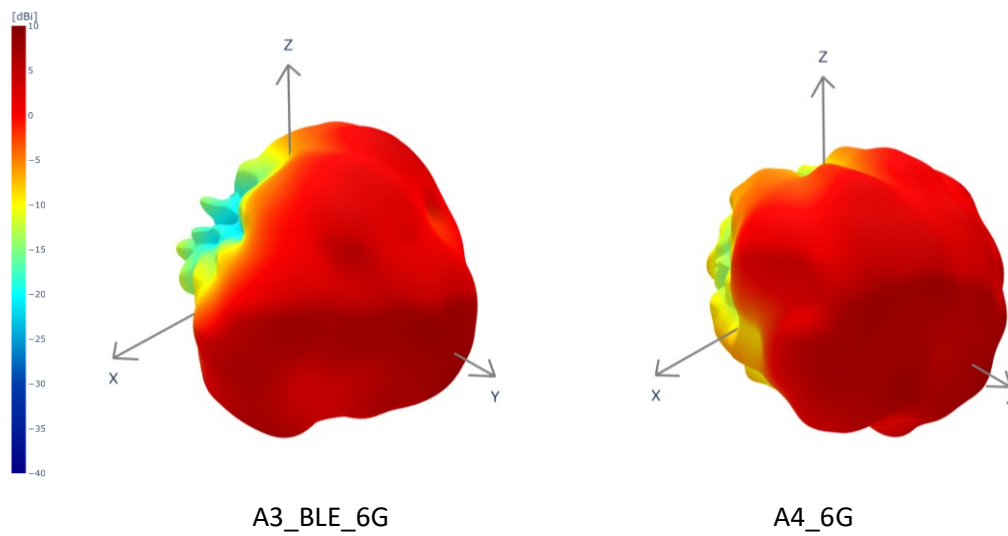
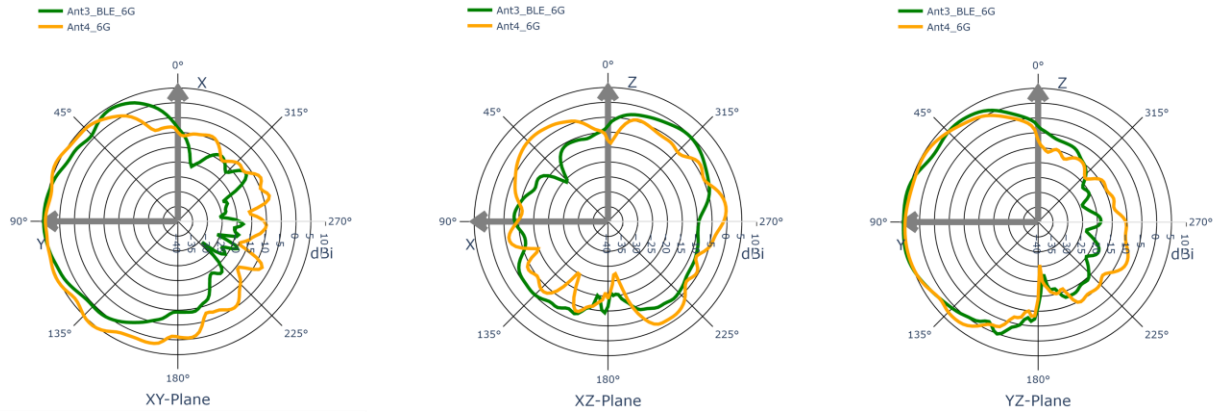


A2_2G4_5G

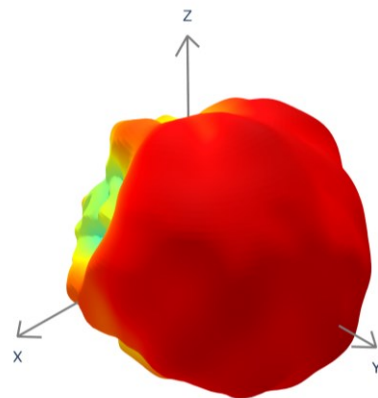
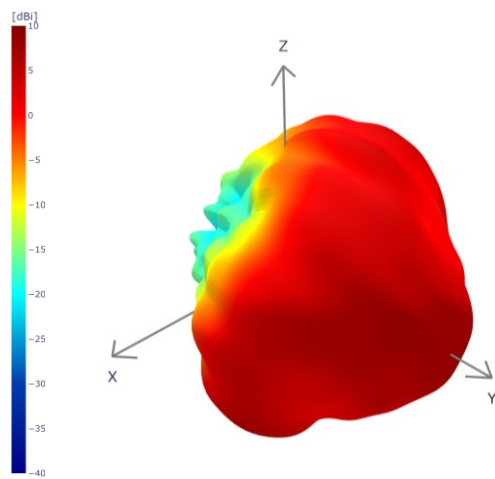
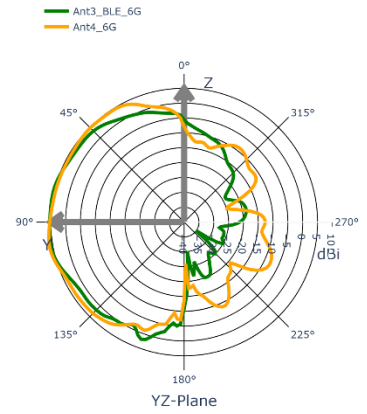
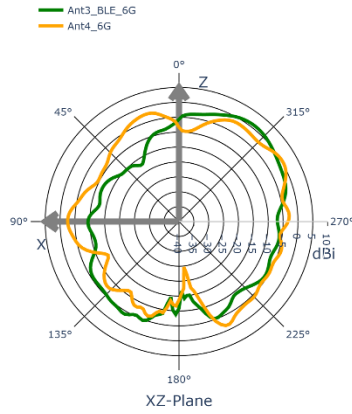
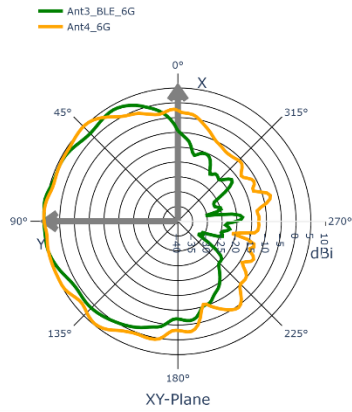
5.5GHz Wi-Fi antenna patterns



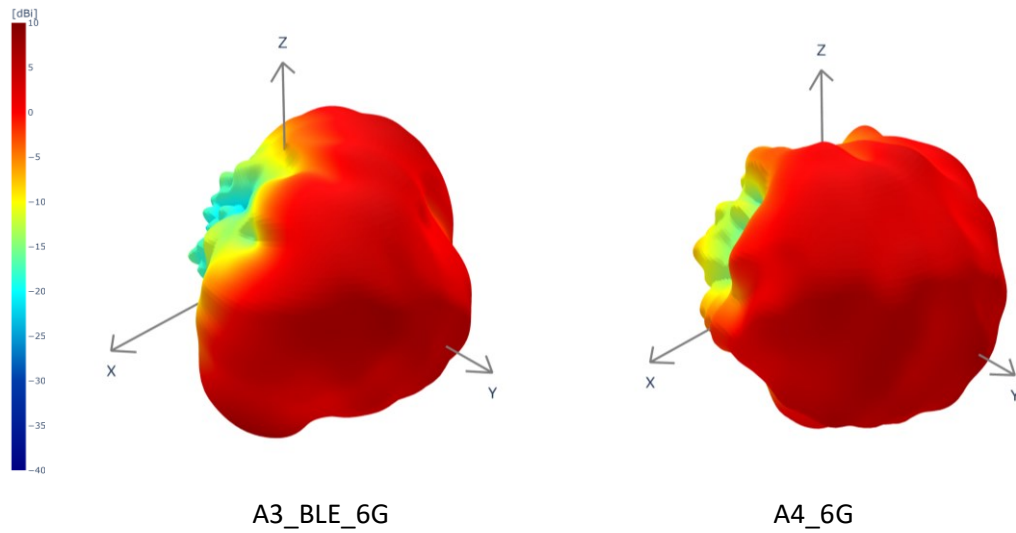
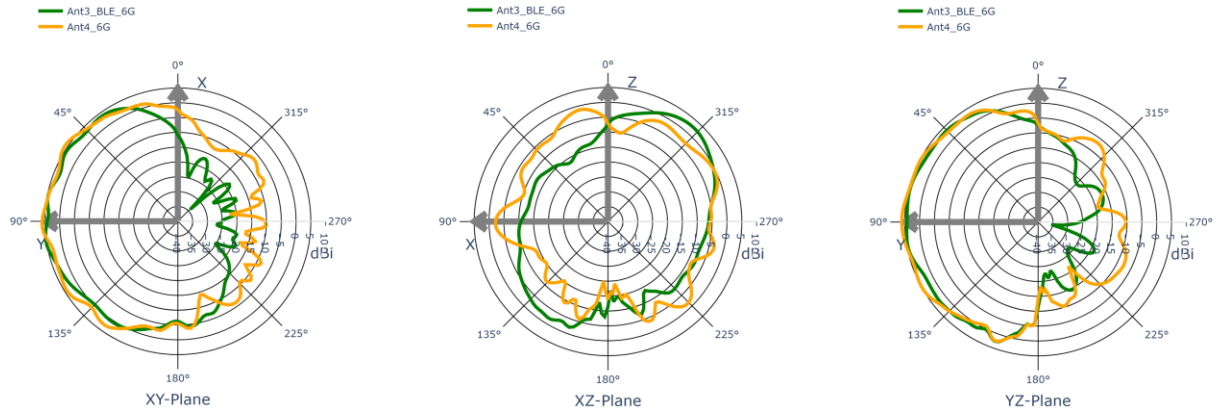
5.8GHz Wi-Fi antenna patterns



6.1GHz Wi-Fi antenna patterns

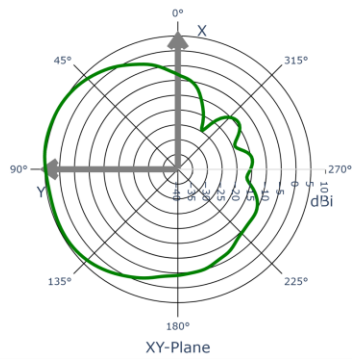


6.5GHz Wi-Fi antenna patterns

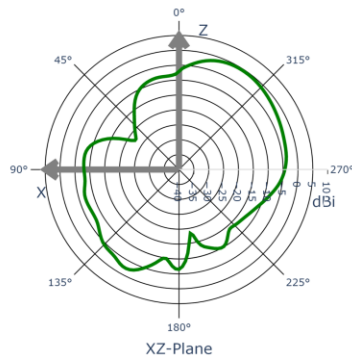


6.9GHz Wi-Fi antenna patterns

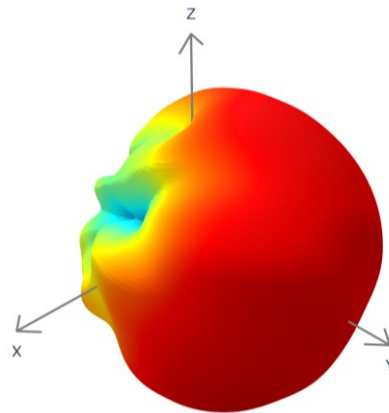
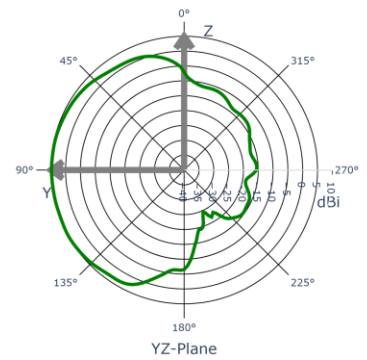
Ant3_BLE_6G



Ant3_BLE_6G



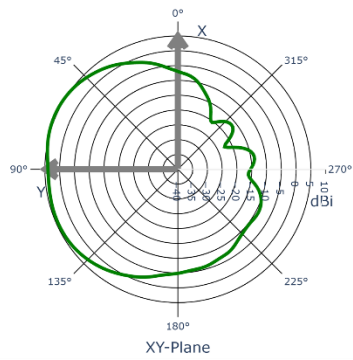
Ant3_BLE_6G



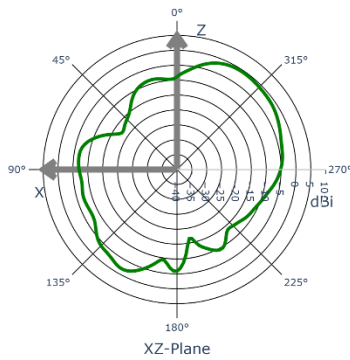
A3_BLE_6G

2.40GHz BLE antenna patterns

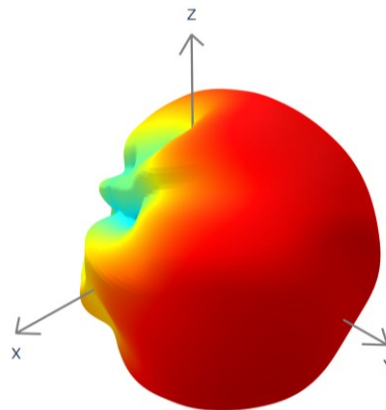
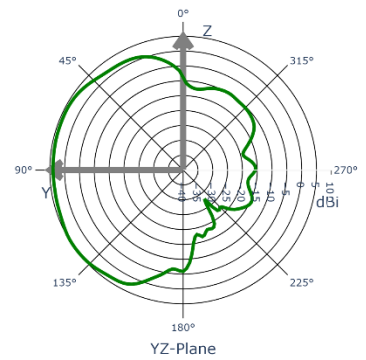
Ant3_BLE_6G



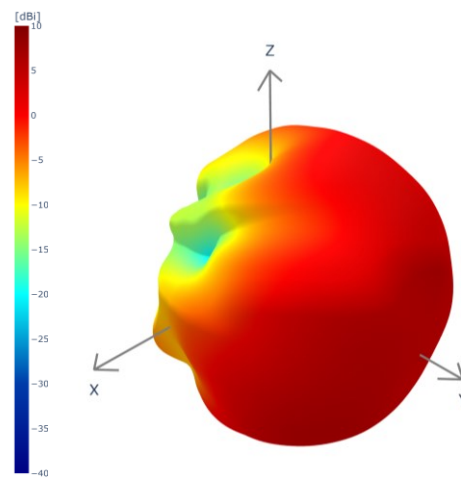
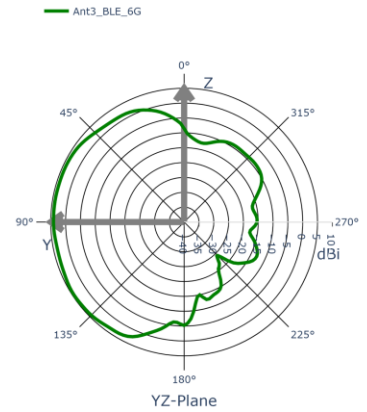
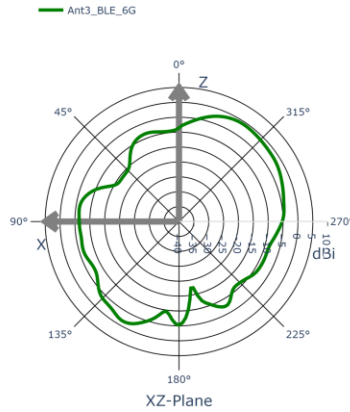
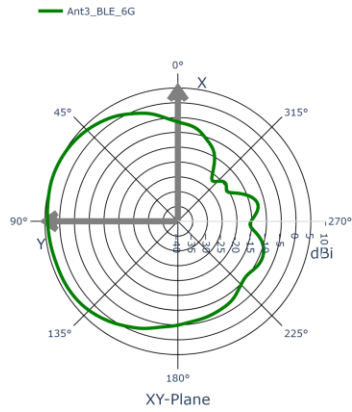
Ant3_BLE_6G



Ant3_BLE_6G



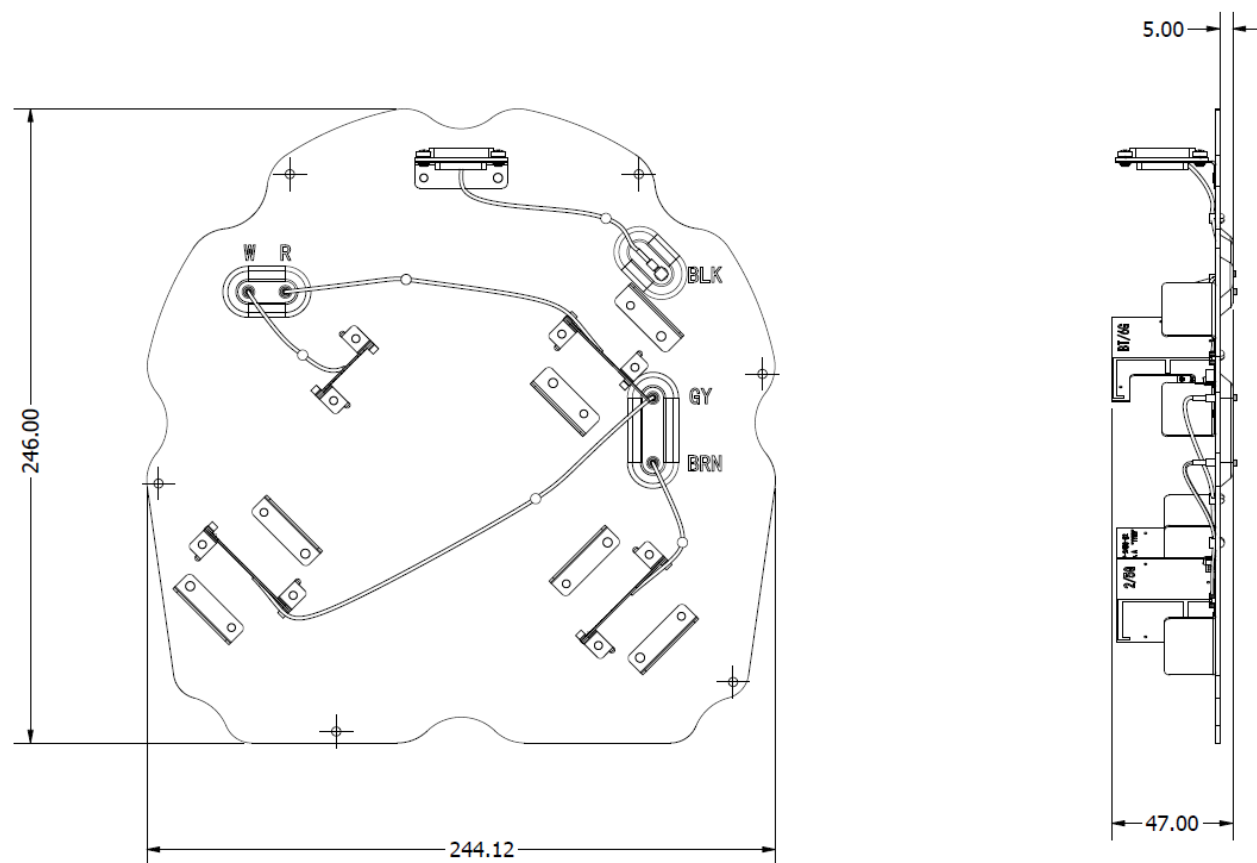
A3_BLE_6G
2.45GHz BLE antenna patterns



A3_BLE_6G

2.48GHz BLE antenna patterns

Mechanical drawings



Ordering information

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