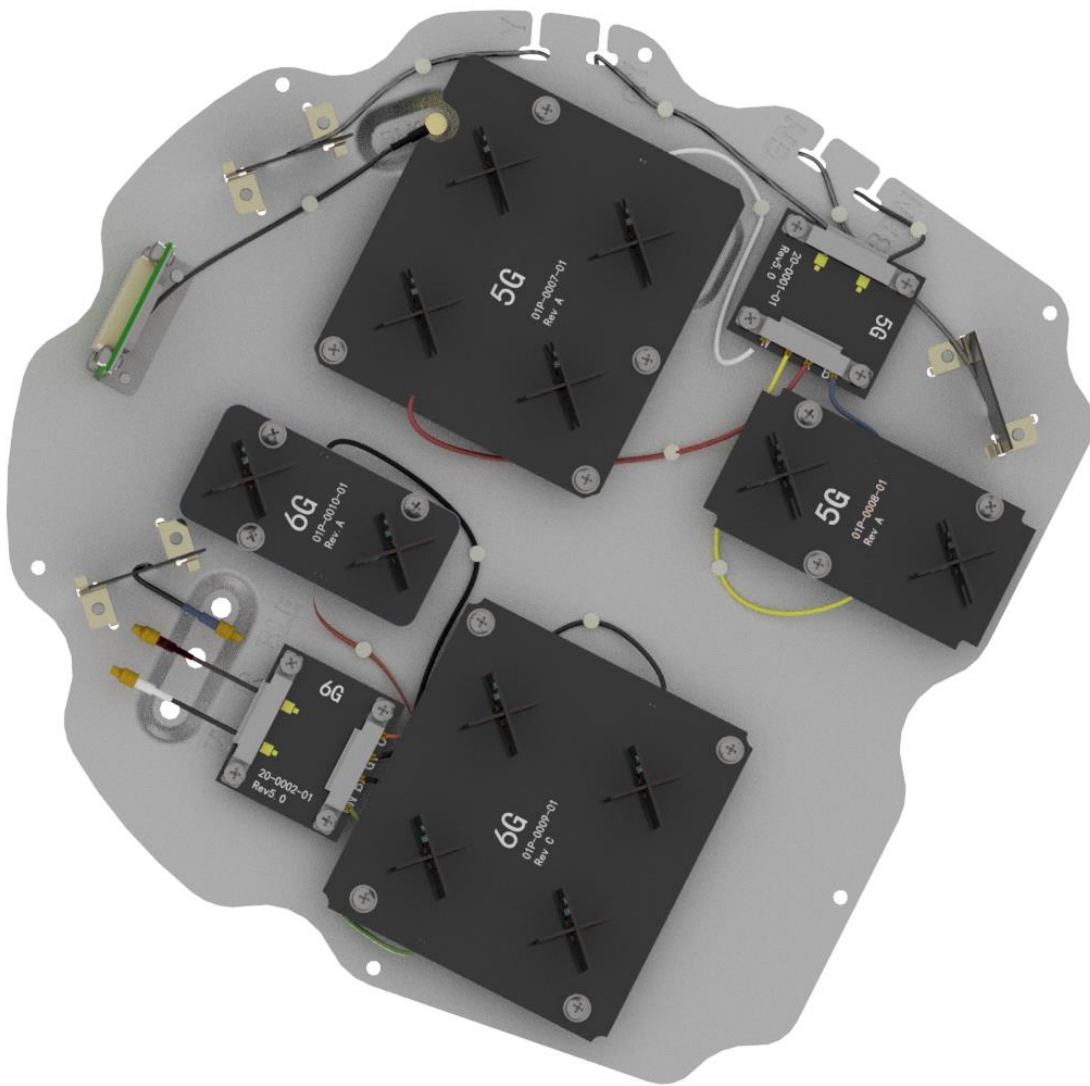


DATASHEET



The AP-ANT-679 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-679 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 | 6.5dBi/6.1dBi |
| - 5GHz Switch on | 4.900GHz – 5.875GHz | 8.2dBi/7.7dBi |
| - 5GHz Switch off | 4.900GHz – 5.875GHz | 11.0dBi/10.5dBi |
| - 6GHz Switch on | 5.935GHz – 7.150GHz | 8.6dBi/8.1dBi |
| - 6GHz Switch off | 5.935GHz – 7.150GHz | 11.2dBi/10.1dBi |
| - BLE | 2.400GHz – 2.500GHz | 6.6dBi |

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*45.29mm

Weight

- 336g

Cable length & type / connector

- 1.37mm Low-Loss Cable/MMCX Connector

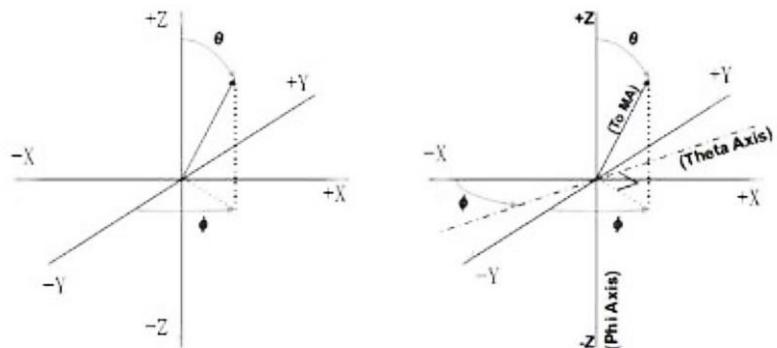
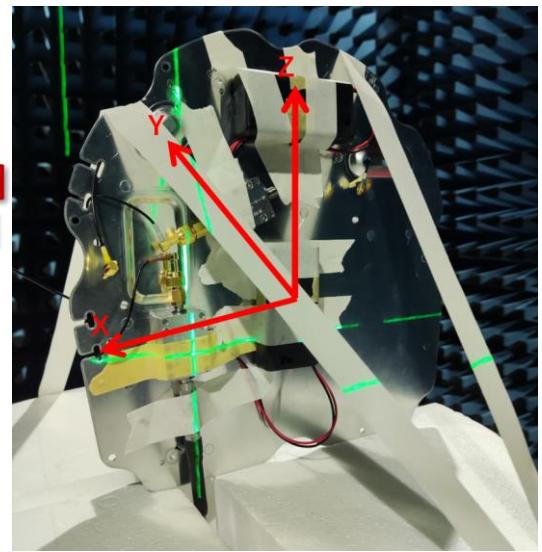
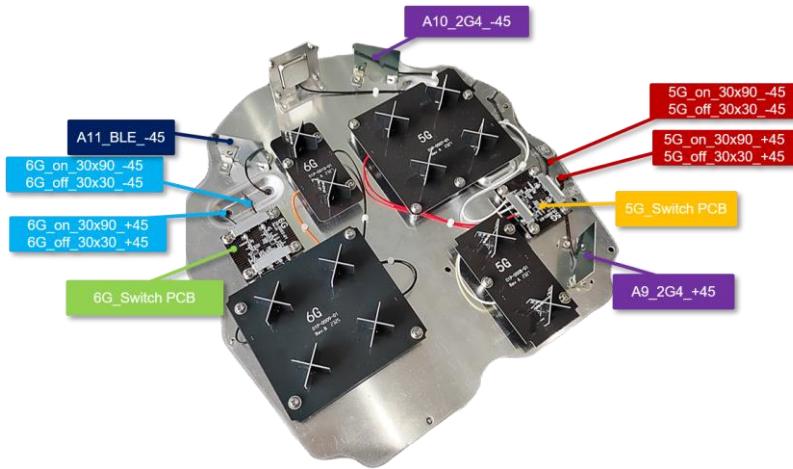
Operating temperature range and relative humidity

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

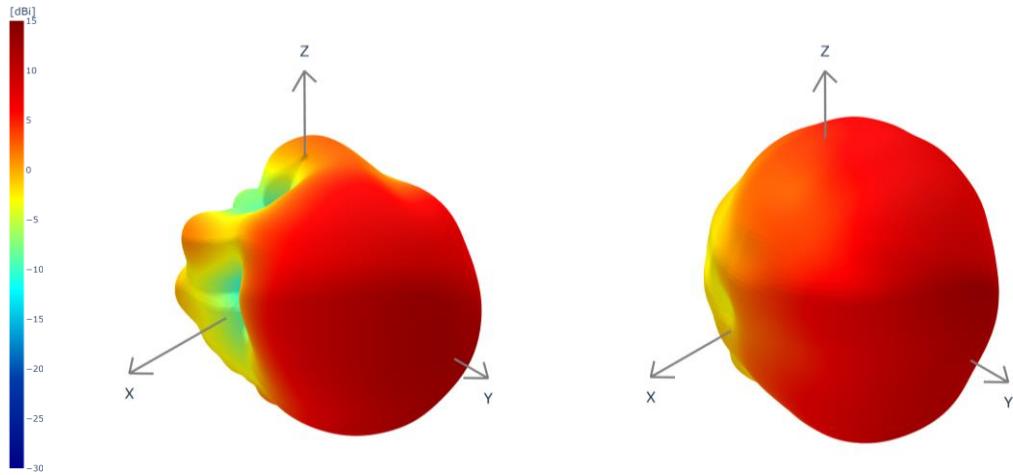
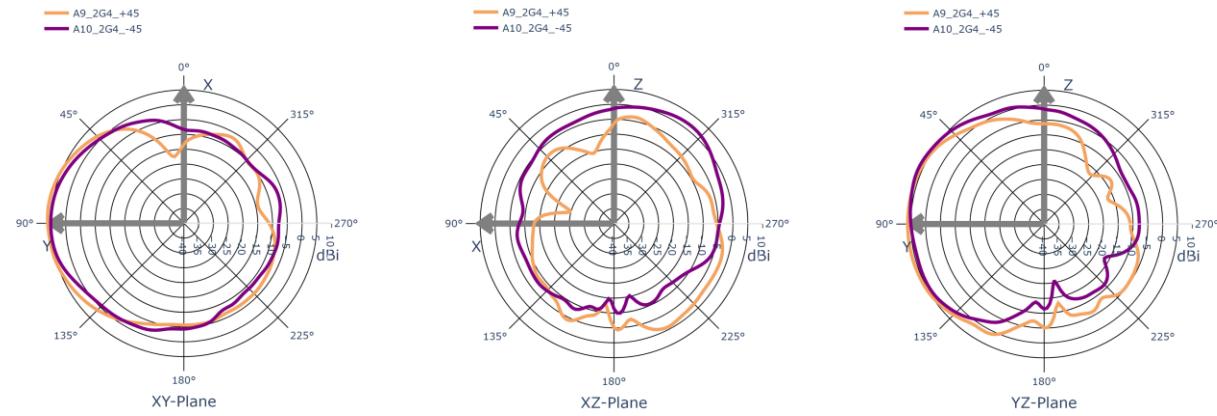
Shipping content

- Packing in cartons

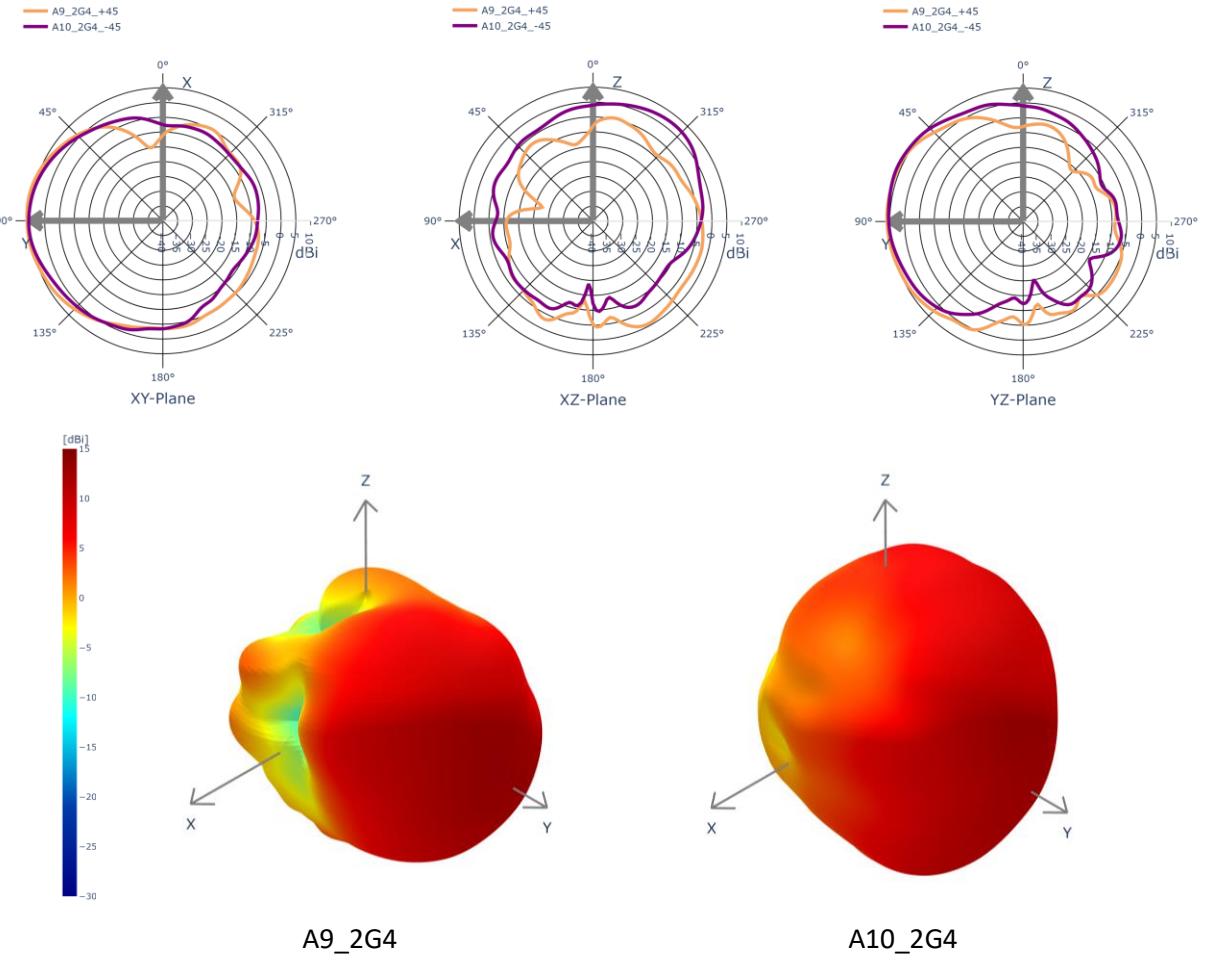
Antenna patterns

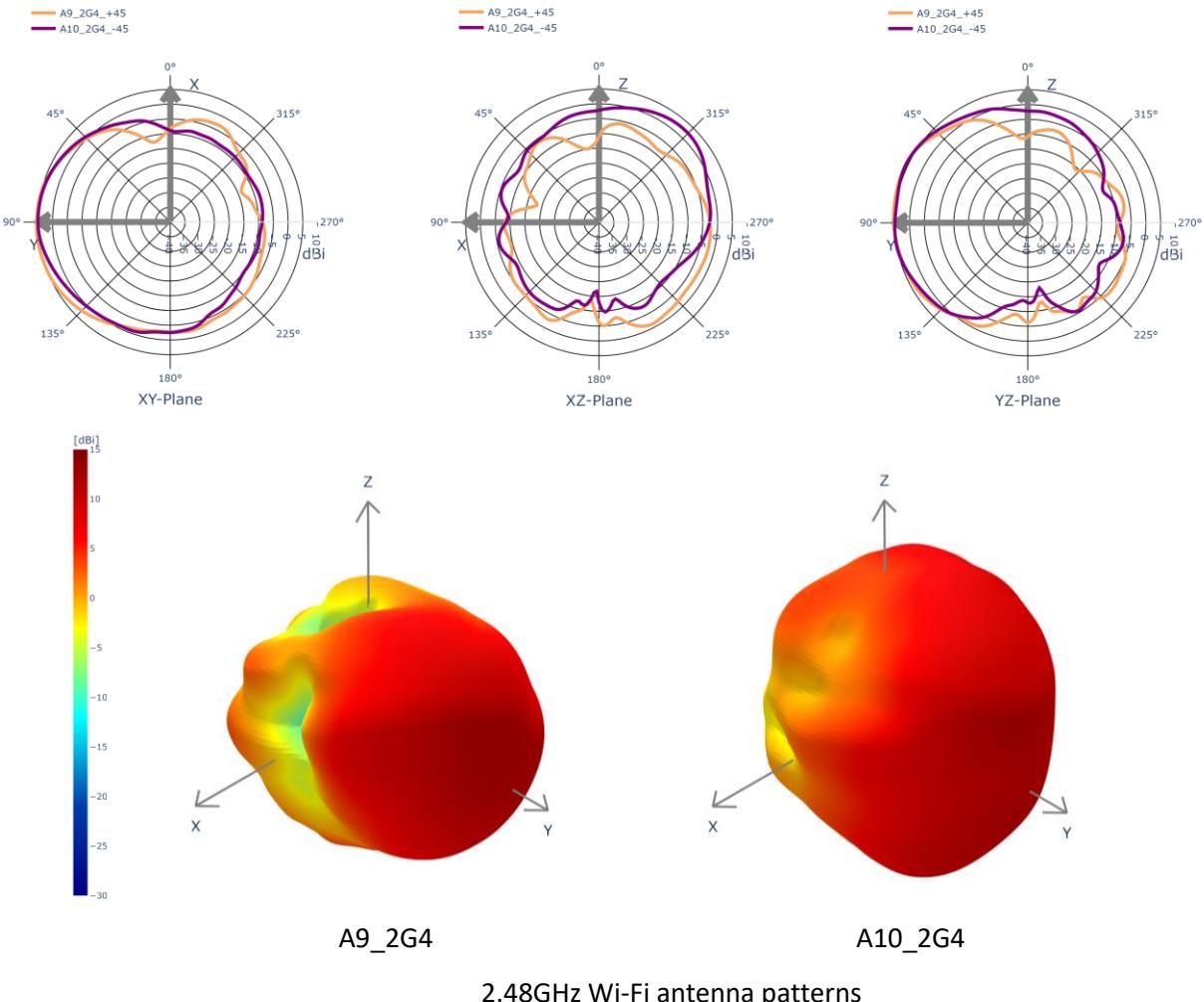


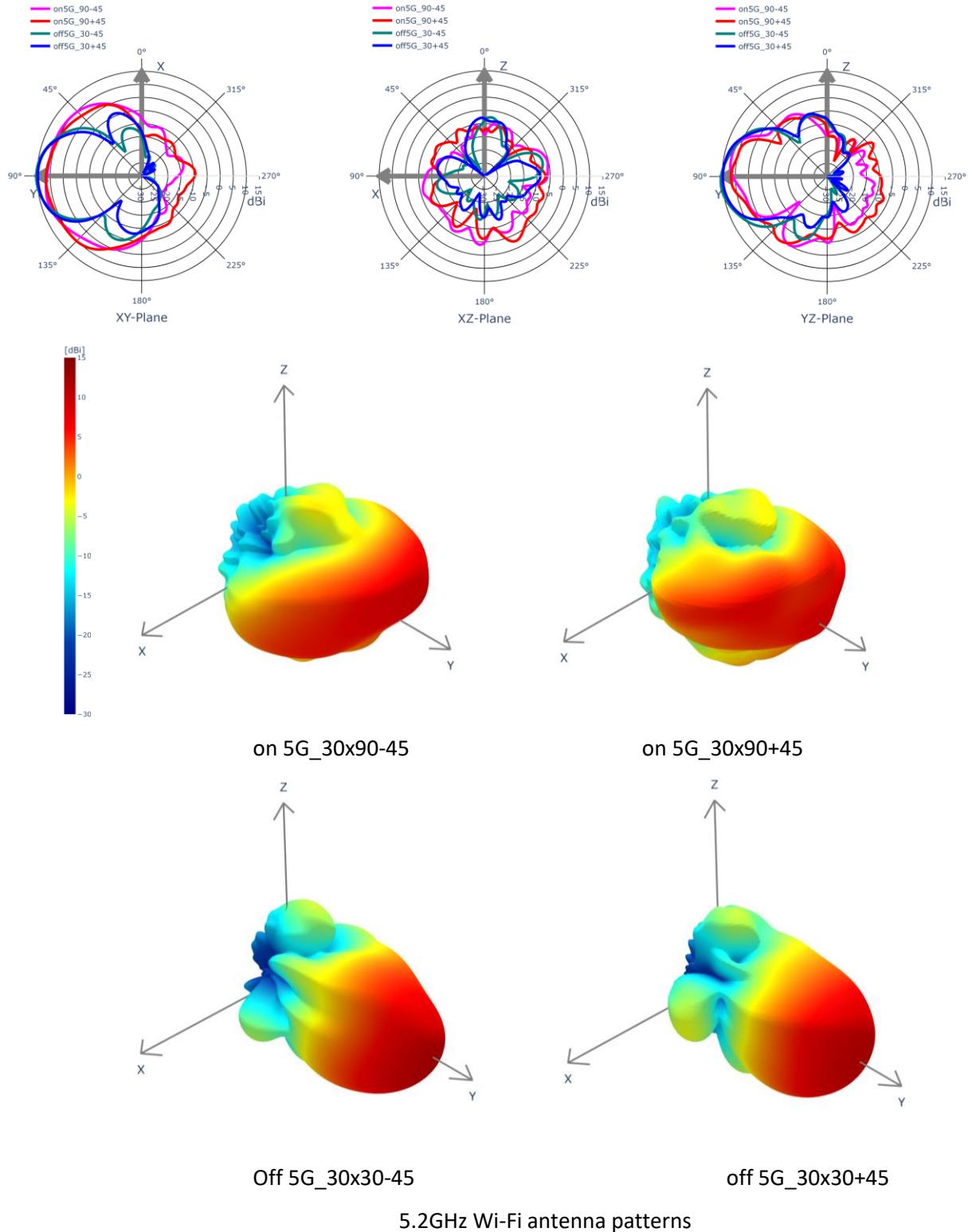
Horizontal (azimuth) planes (top view) Vertical (elevation) planes (front/side view XZ / YZ)

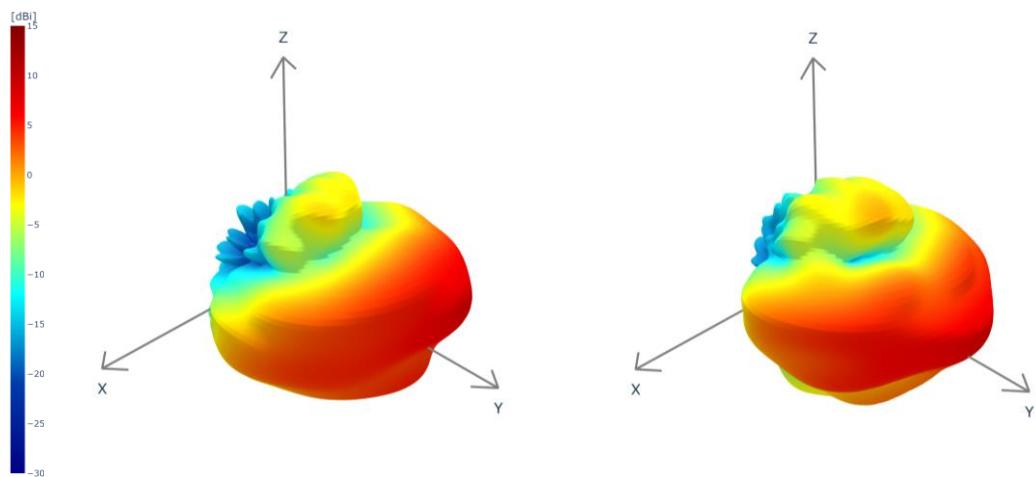
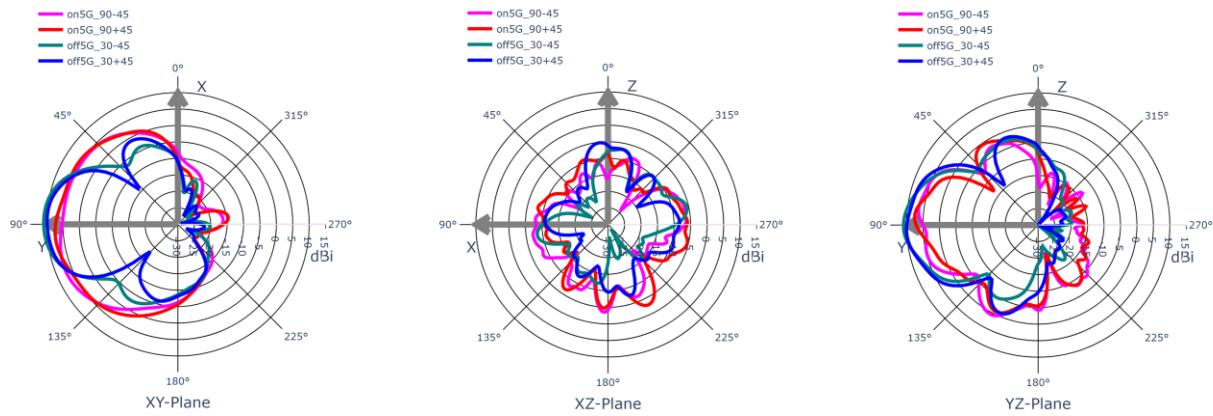


2.40GHz Wi-Fi antenna patterns

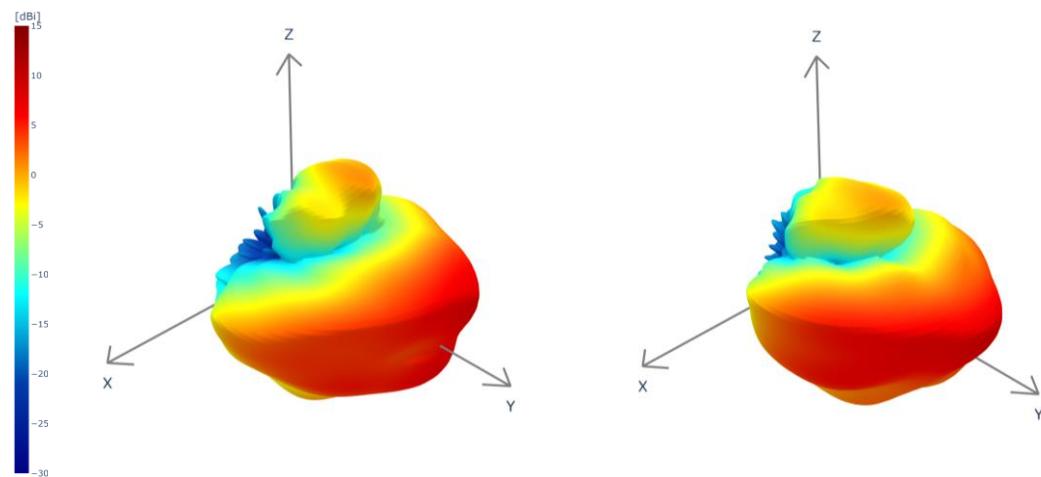
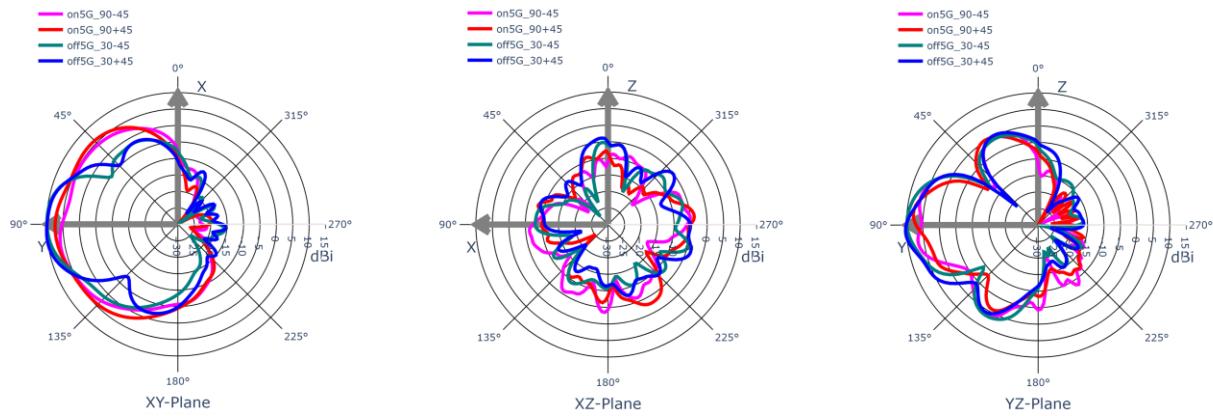






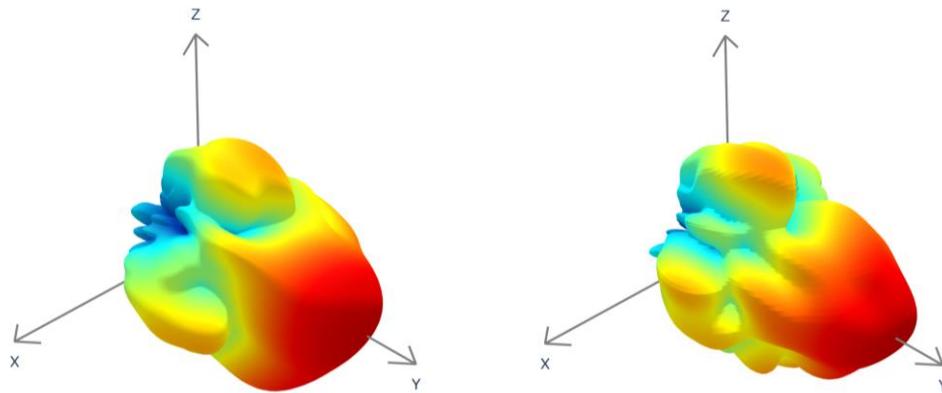


5.5GHz Wi-Fi antenna patterns



on 5G_30x90-45

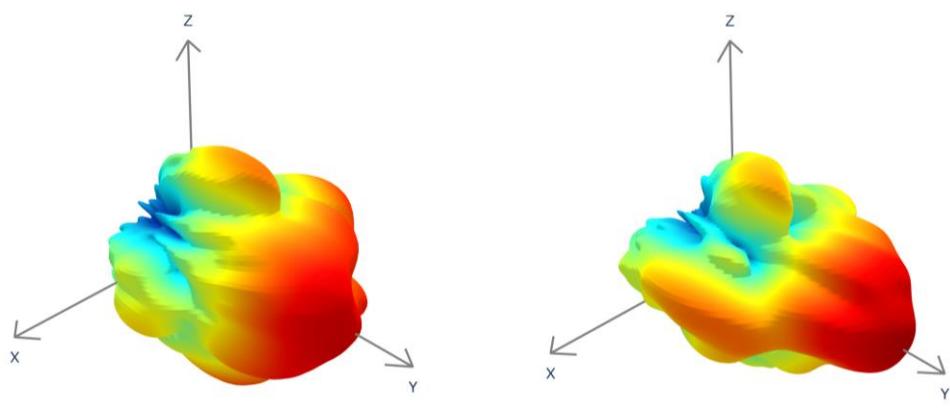
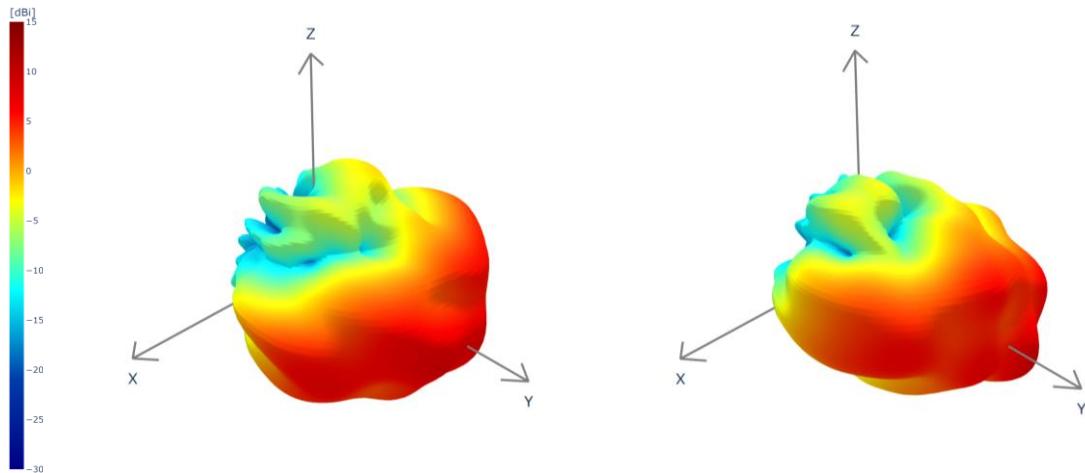
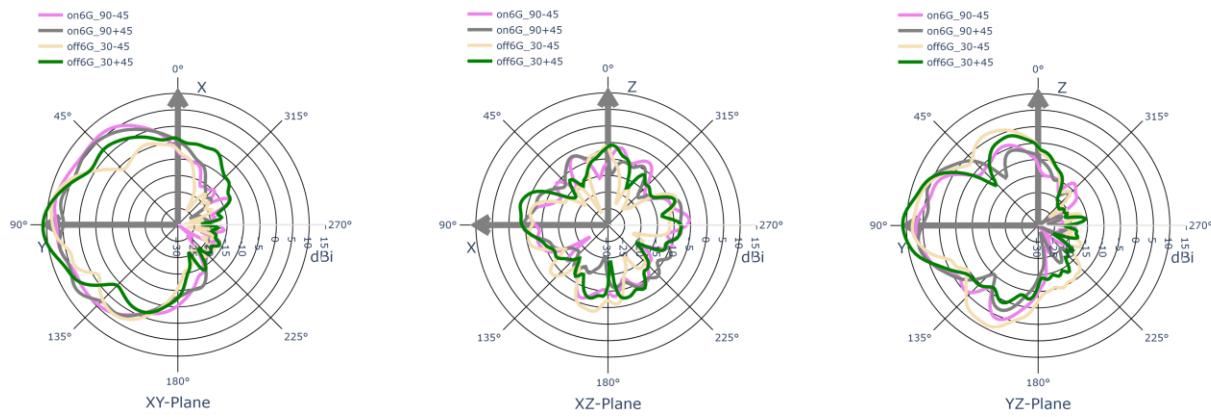
on 5G_30x90+45



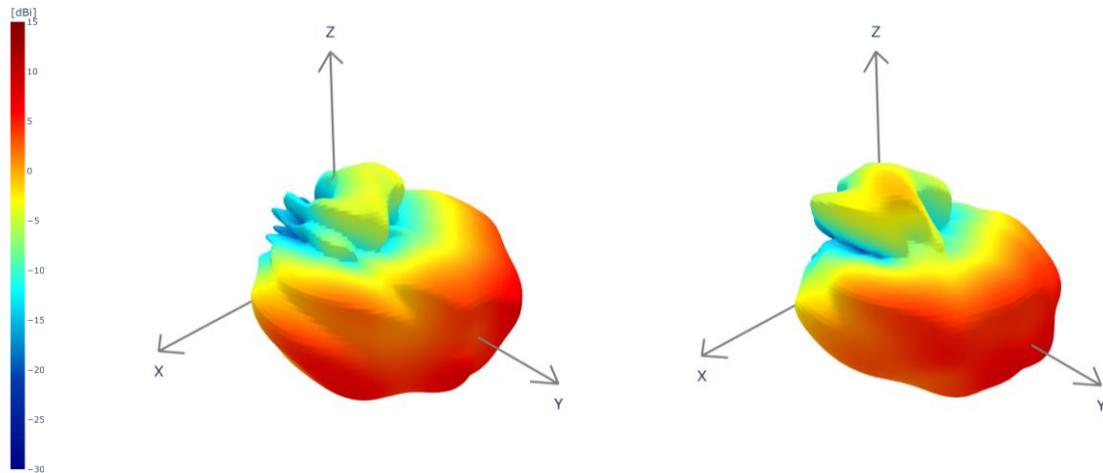
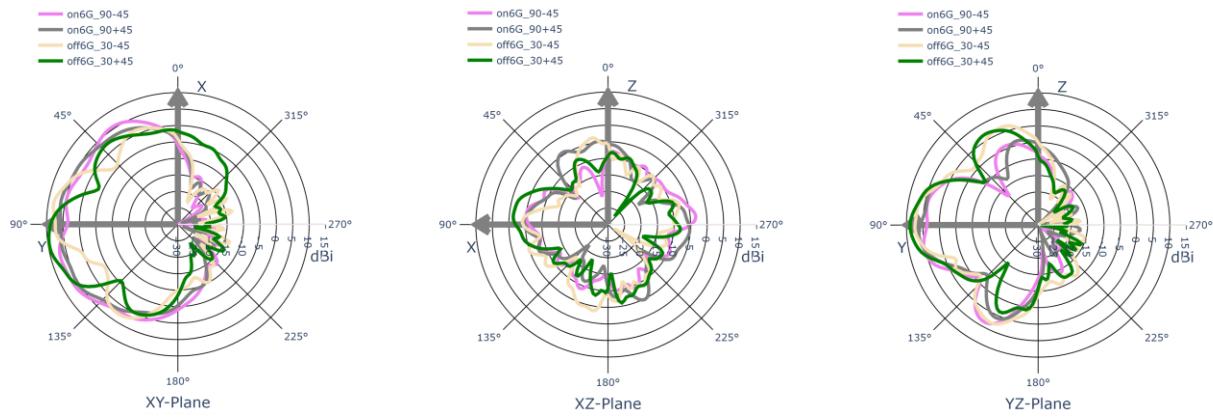
Off 5G_30x30-45

off 5G_30x30+45

5.8GHz Wi-Fi antenna patterns

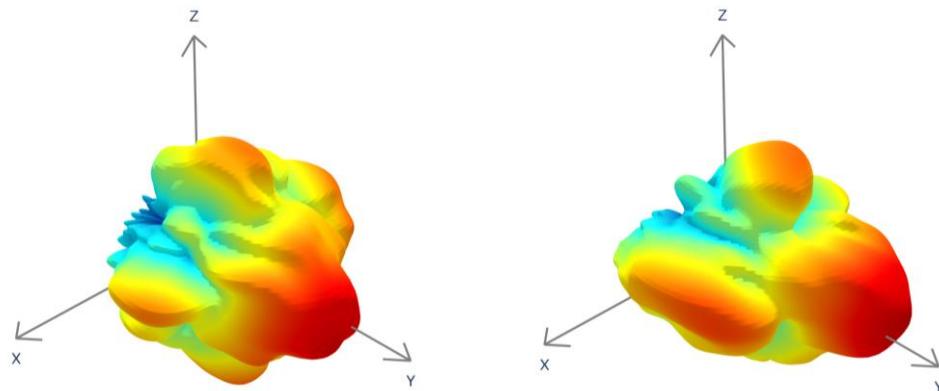


6.1GHz Wi-Fi antenna patterns



on 6G_30x90-45

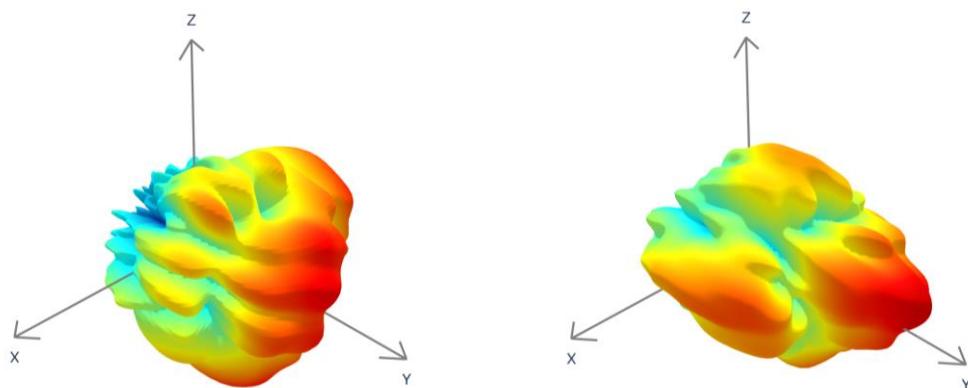
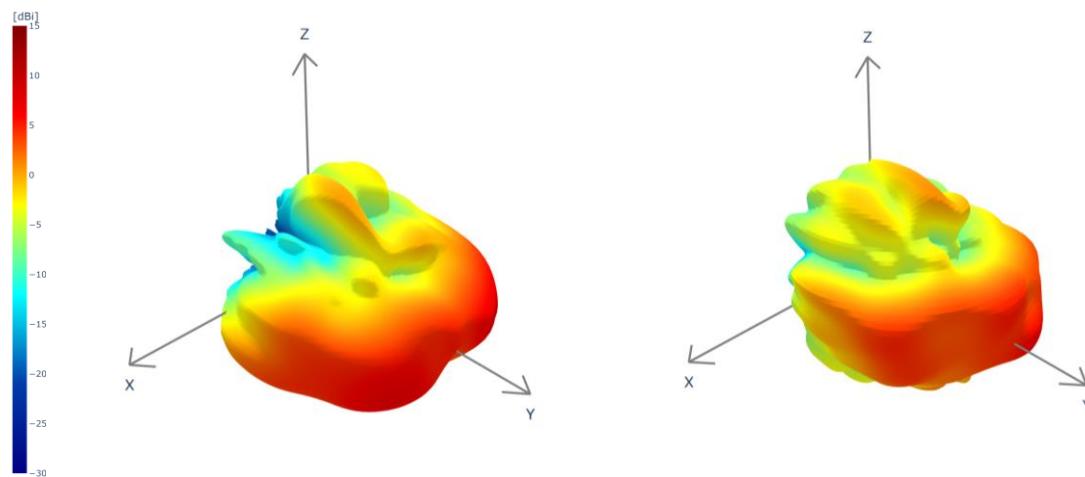
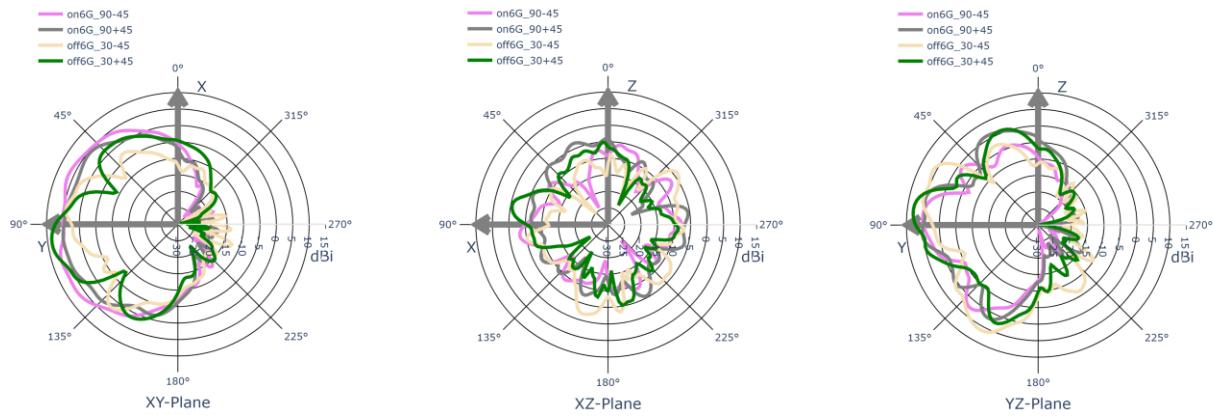
on 6G_30x90+45



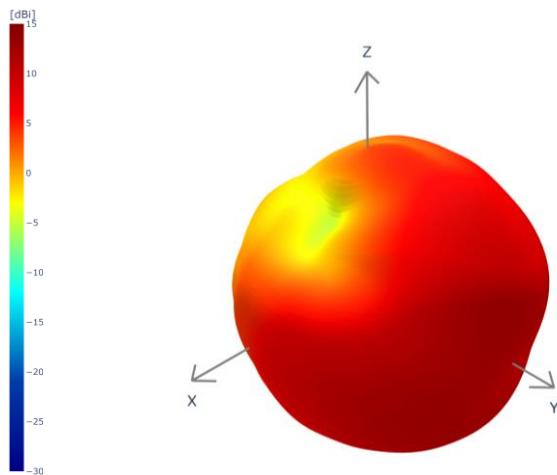
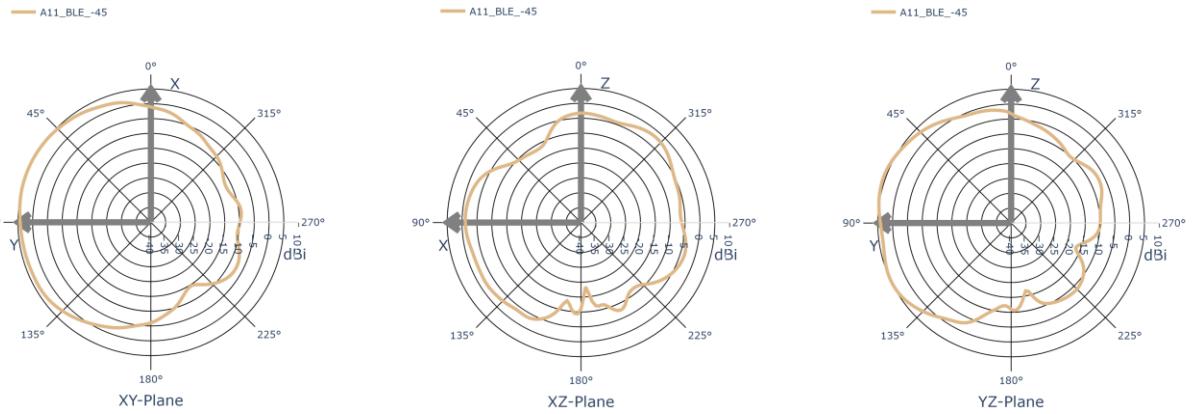
Off 6G_30x30-45

off 6G_30x30+45

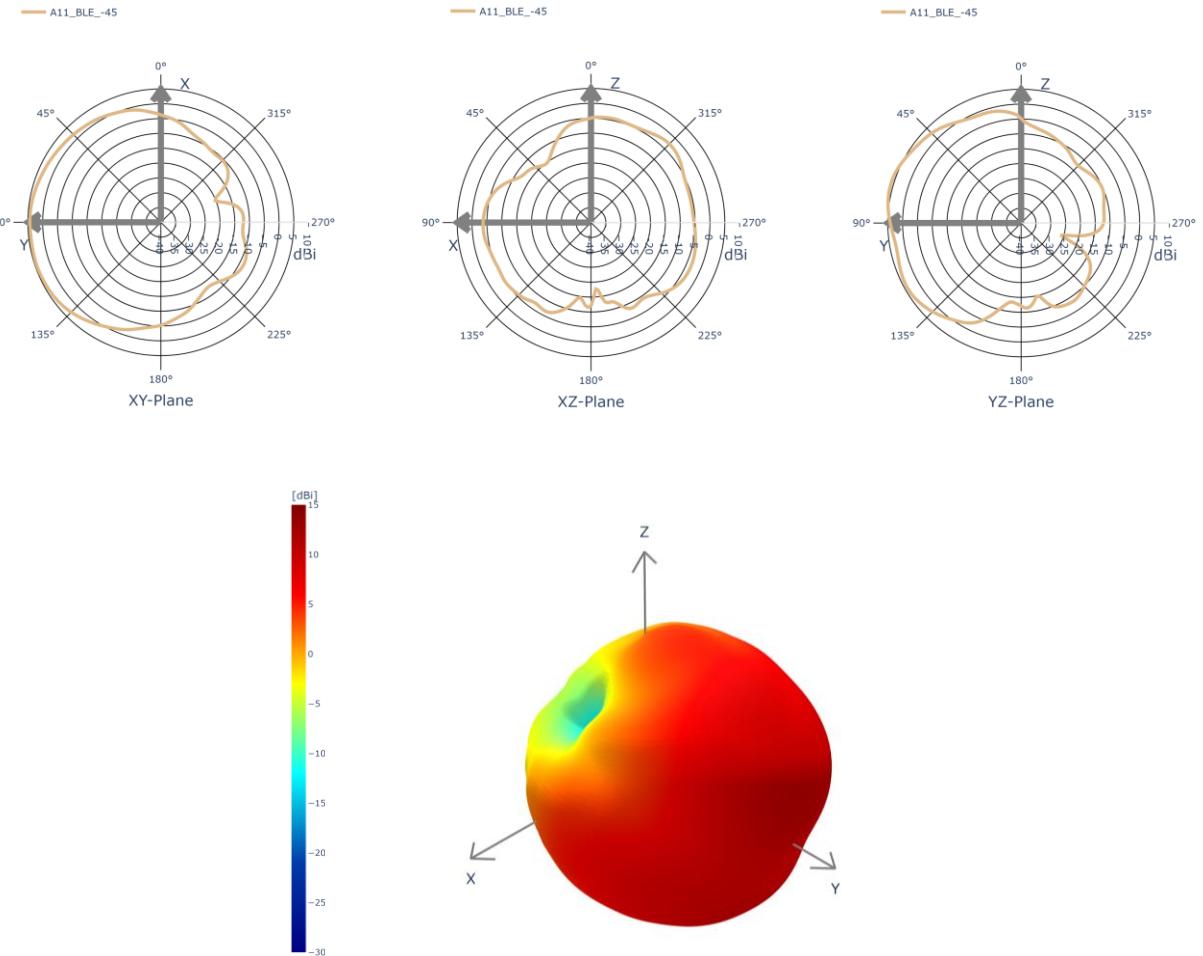
6.5GHz Wi-Fi antenna patterns

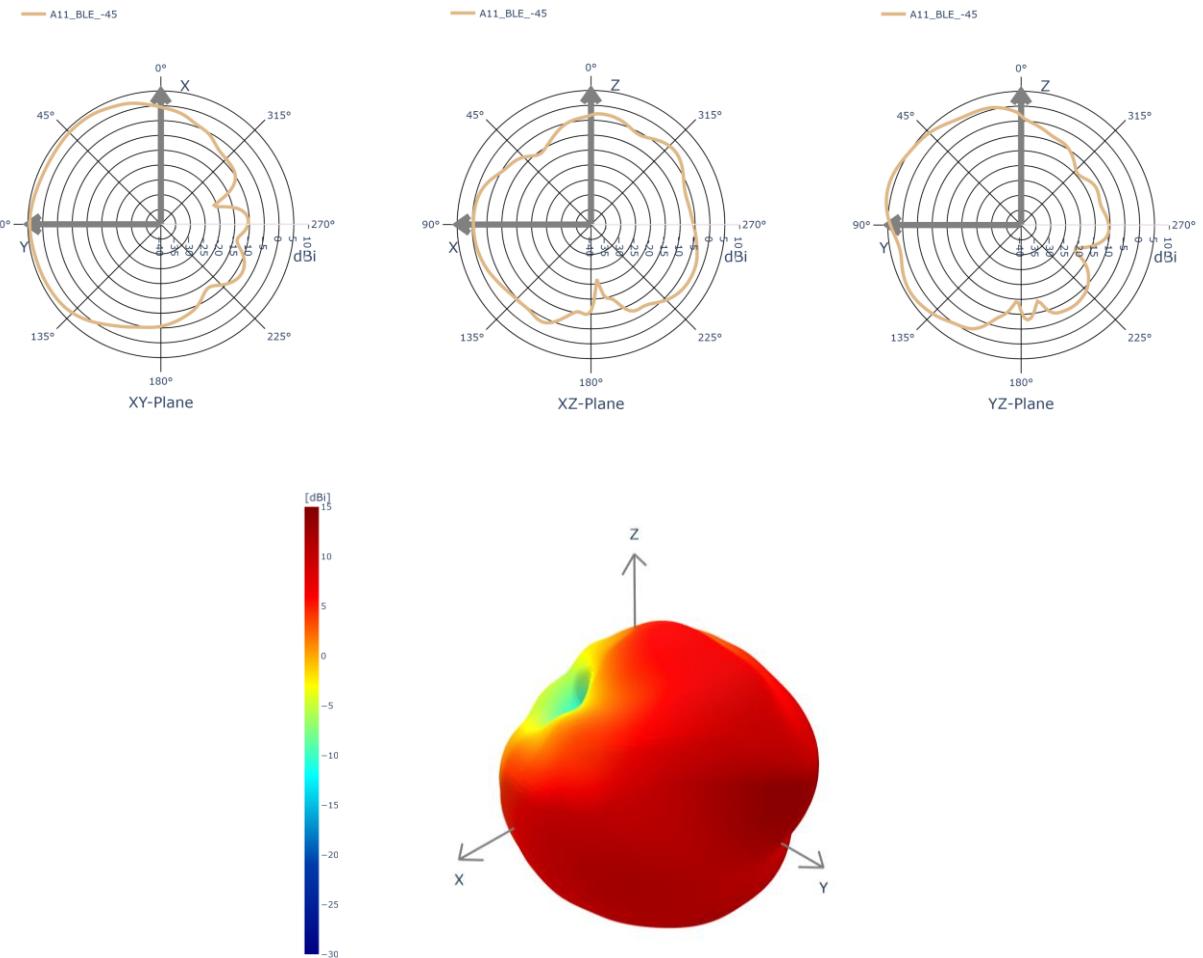


6.9GHz Wi-Fi antenna patterns



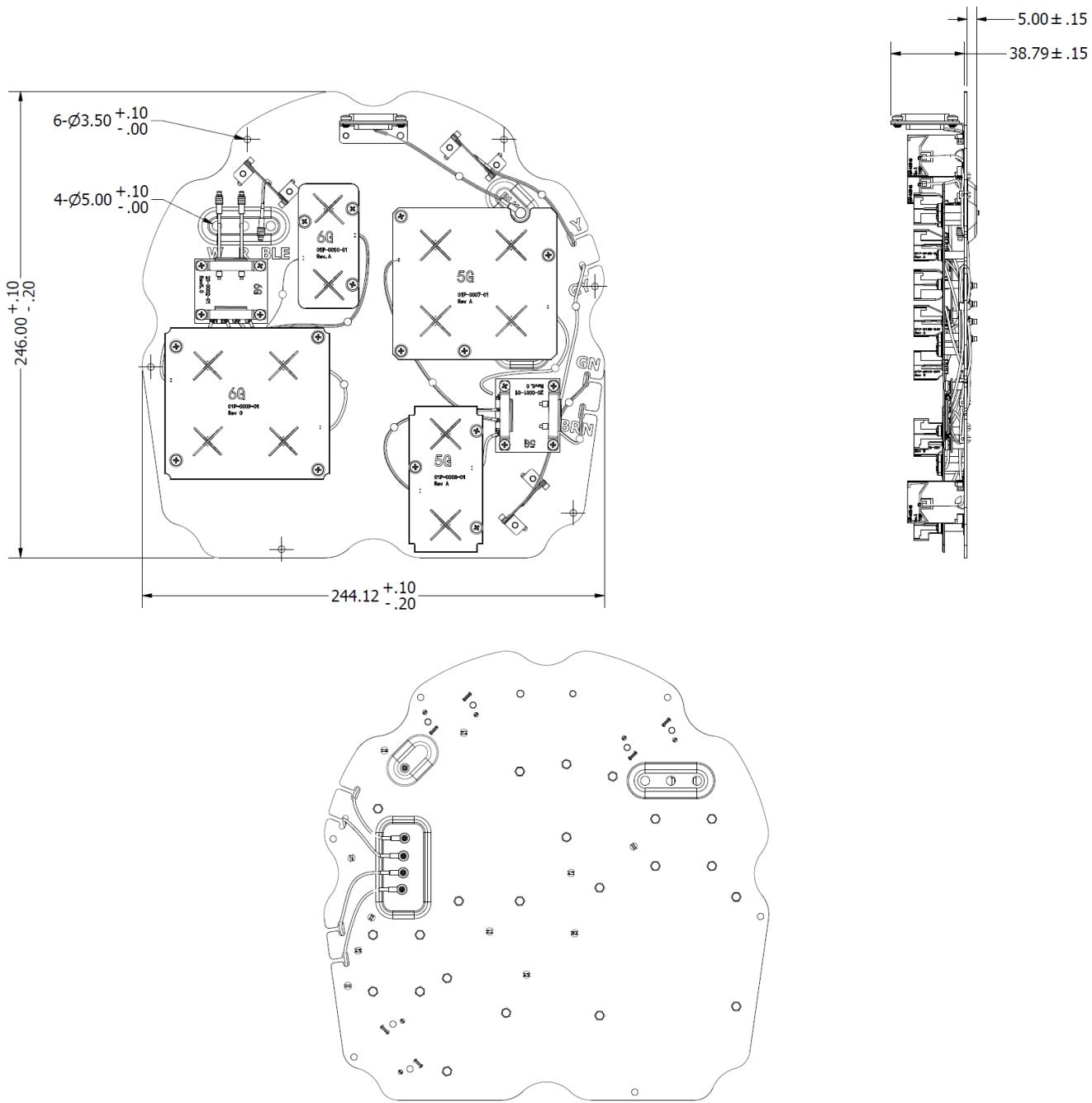
A11_BLE
2.40GHz BLE antenna patterns





A11_BLE
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-679 Tri-Band Antenna |