

AIO-DD15020-RPSMA Dual Band 2-Port Panel 12dBi and 15dBi Indoor Directional Antenna Technical Specifications

12dBi (2.4 GHz) and 15dBi (5 GHz) Indoor 2-port 45 and 20 Degree Directional with two (2) 100-cm (39.3 inch.) RP-SMA cable. Mount included. It is supported by AP3020X. It is to be used indoors only due to the RP-SMA connector.

TECHNICAL SPECIFICATIONS

FREQUENCY/MAXIMUM GAIN

- 2.4-2.5 GHz/12 dBi
- 5.1-5.8 GHz/15 dBi

DIMENSIONS

- 305mm x 305mm x 32 mm
(12.01 inches x 12.01 inches x 1.26 inches)

POLARIZATION

- Vertical and Horizontal

WEIGHT

- 1.5 kg (3.31 lbs.)

CONNECTOR TYPE

- RP-SMA male

BEAMWIDTH

- Horizontal: 45°/20°
- Elevation: 45°/20°

HOUSING

- Radome: UV resistant ABS
- Color: White

AVERAGE POWER

- 100 Watts Max

VSWR

- 2.0 max

INSTALLATION HARDWARE

- Azimuth/elevation mount kit for pole

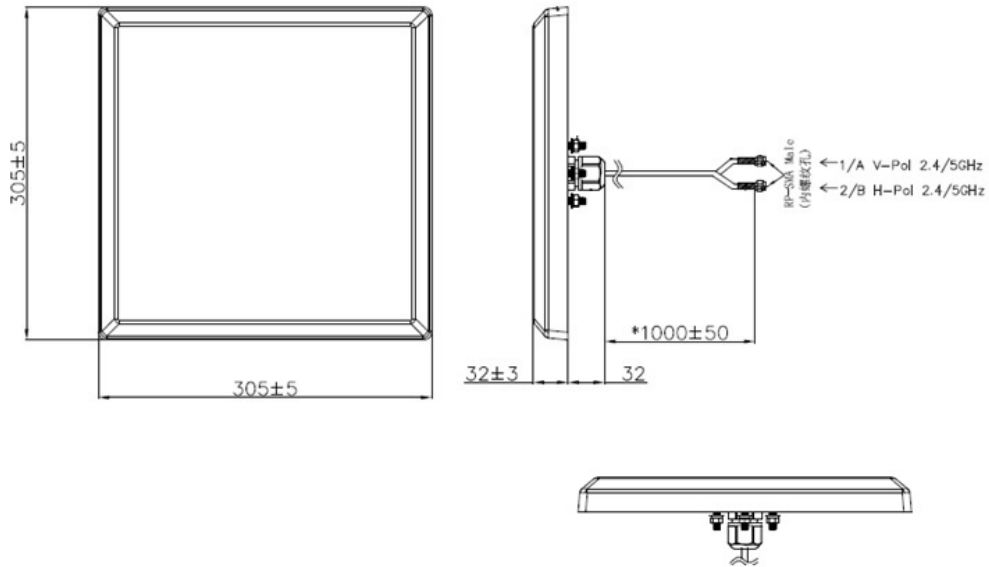
IMPEDANCE

- 50 ohms

ENVIRONMENTAL

- Operating temperature: -40° C to +70° C
(-40° F to +158° F)
- Humidity: 5 to 95 %Ingress Protection
- Ingress Protection:IP54
- Survival Wind Velocity: 200 Km/h

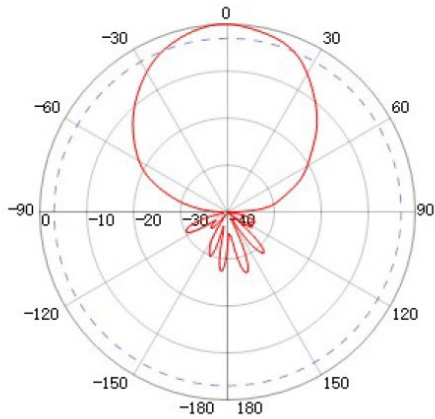




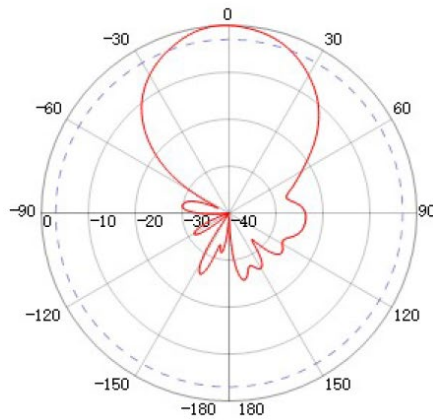
ANTENNA PATTERN PLOTS

Port 1

2.4 GHz

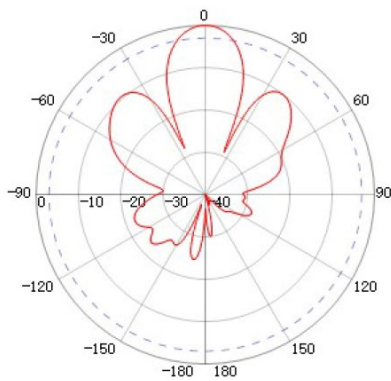


E-Plane

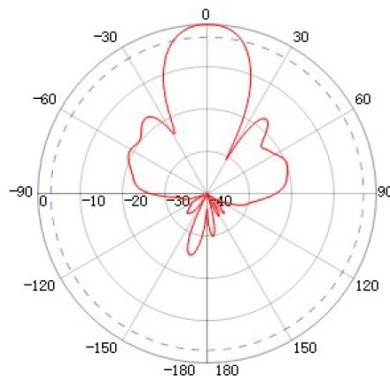


H-Plane

5.1 GHz

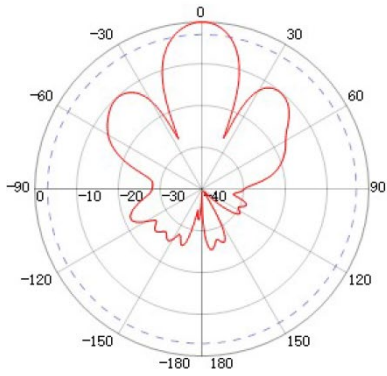


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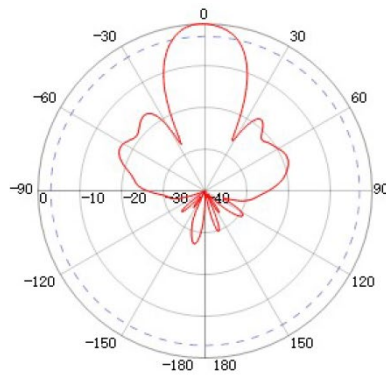


H-Plane

5.5 GHz

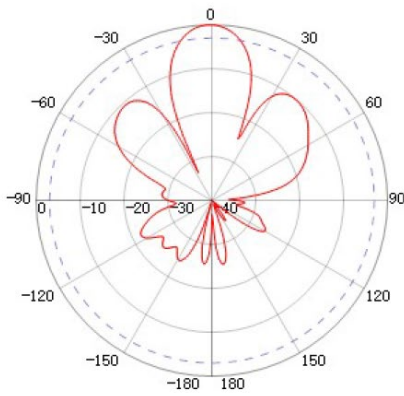


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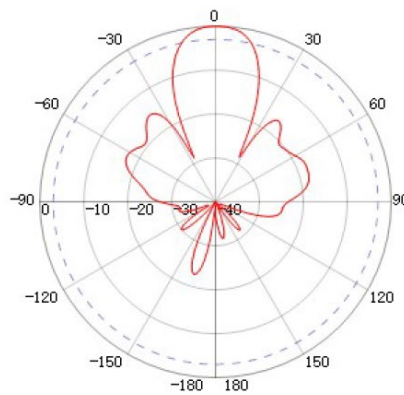


H-Plane

5.8 GHz

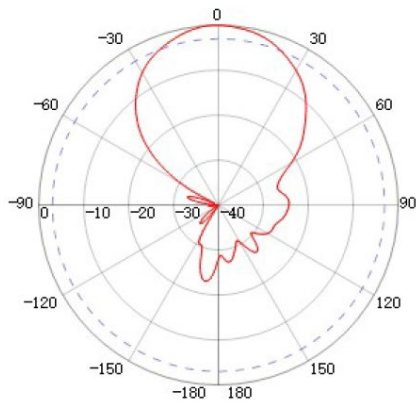


E-Plane

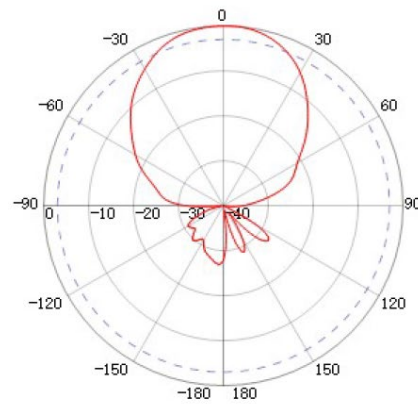


H-Plane

Port 2
2.4 GHz

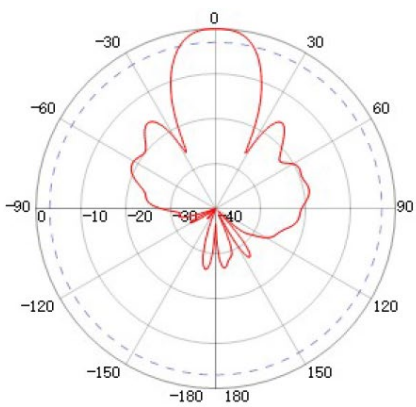


E-Plane

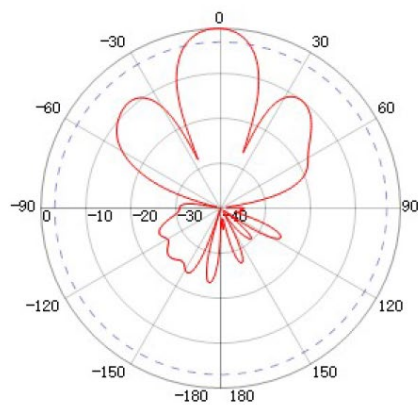


H-Plane

5.1 GHz

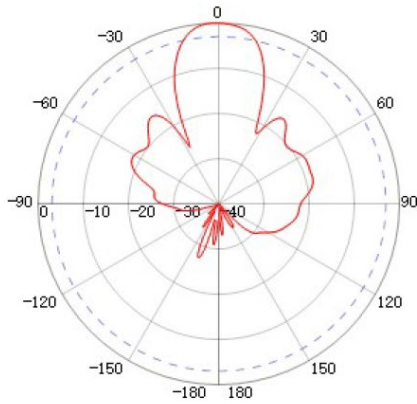


E-Plane

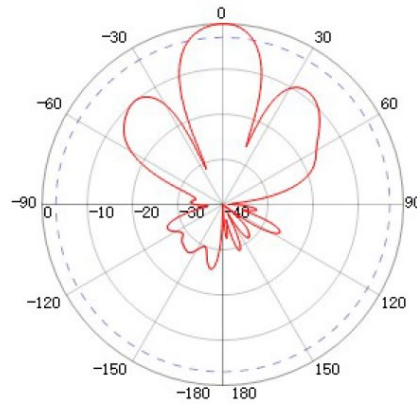


H-Plane

5.5 GHz

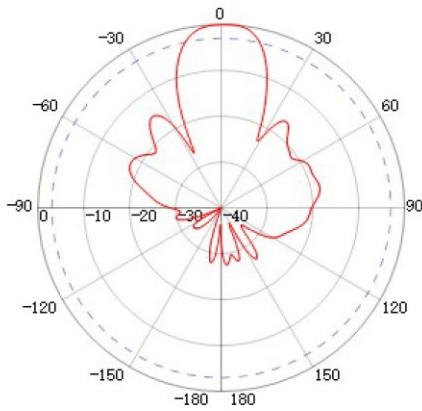


E-Plane

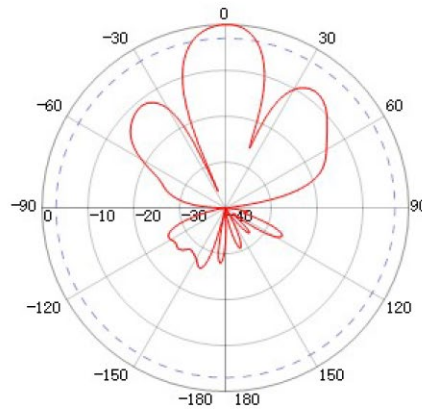


H-Plane

5.8 GHz



E-Plane



H-Plane

Cable straps are ordered separately.

ORDERING INFORMATION

Part Number	Description
AIO-DD15020-RPSMA	12dBi (2.4 GHz) and 15dBi (5 GHz) Indoor 2-port 45 and 20 Degree Directional with two (2) 100-cm (39.3 inch.) RP-SMA cable. Mount included.

LEGAL

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