AIROLINX-6-IOM-IP67-T

Outdoor IP67 Wi-Fi 6 Access Point / Router with Internal Omnidirectional Antennas

AIROLINX-6-EOM-IP67-T

Outdoor IP67 Wi-Fi 6 Access Point / Router with External Omnidirectional Antennas

AIROLINX-6-ILD-IP67-T

Outdoor IP67 Wi-Fi 6 Access Point / Router with Internal Long Distance 2x2 Panel Antenna



FEATURES

- Wi-Fi 6 IEEE 802.11ax Single-Band Radio
- Delivers up to 2400 Mbps on 5GHz
- Supports 1*10/100/1000Tx RJ45 Ethernet Port
- Extended range up to 20 miles (32km)
- Powered by IEEE 802.3at PoE with standard power consumption of 6W
- Extended Operating Temperature: -40°F to 167°F (-40°C to 75°C)
- IP67 Rated Casing
- Tested to withstand wind speeds up to 125mph (200kph)
- Multiple antenna types to fit various applications: Internal antenna (IOM and ILD Model) and External antenna (EOM Model) options
- 5-Year Warranty

INTRODUCTION

Antaira Technologies' Airolinx-6 Series is a single radio industrial 802.11a/b/g/n/ac/ax wireless LAN access point with added router capabilities.

The Airolinx 6 Series is specifically designed for a wide variety of applications, including:

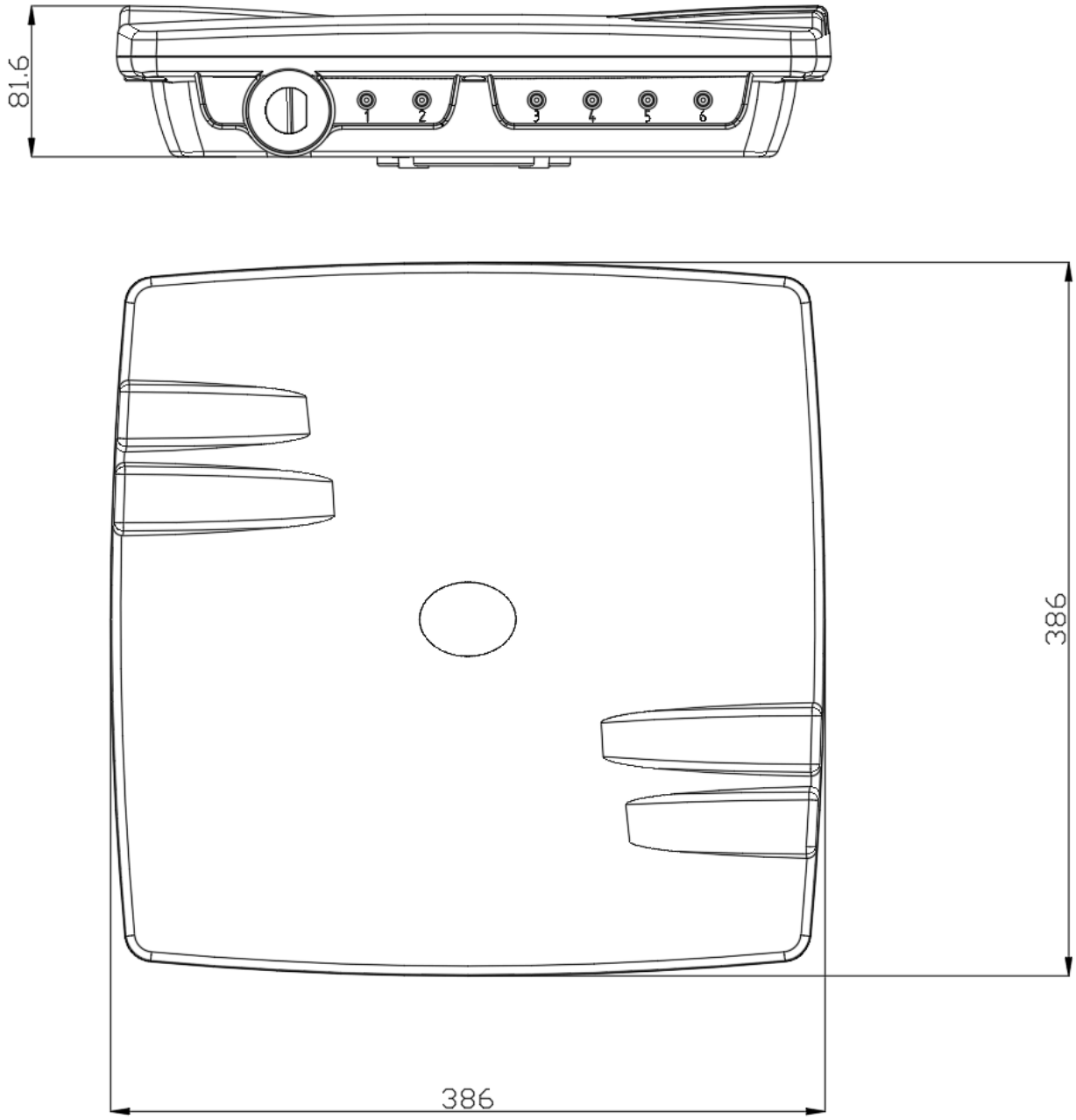
- Security — Reliable, high-speed Wi-Fi for IP surveillance cameras and security networks.
- Transportation — Ideal for intersection connectivity, public transit networks, and vehicle-to-infrastructure (V2I) communication.
- Automation — Provides seamless wireless connectivity for SCADA applications, remote monitoring, and industrial IoT

Airolinx-6-IOM-IP67-T is a single-band outdoor AP with internal dual-plane omnidirectional antennas, providing seamless 360-degree coverage up to 2 miles.

Airolinx-6-EOM-IP67-T is a single-band outdoor AP with external dual-plane omnidirectional antennas, offering customizable coverage up to 2 miles with included antennas. Supports a variety of alternate antennas, including dish, sector, horn and panel antennas, providing extended distances versatility for deployments.

Airolinx-6-ILD-IP67-T is a single-band outdoor AP with a long-distance 21dBi panel antenna, capable of extending reliable connectivity up to 20 miles.

DIMENSIONS



SPECIFICATIONS

Hardware Specifications

Part Number	RJ45 GbE	Antenna	Active PoE	System Power	Input Power	Operating Temperature
Airolinx-6-IOM-IP67-T	1	Internal	Yes	6W	IEEE 802.3at PoE	-40 to 75°C -40 to 167°F
Airolinx-6-EOM-IP67-T	1	External	Yes	6W	IEEE 802.3at PoE	-40 to 75°C -40 to 167°F
Airolinx-6-ILD-IP67-T	1	Internal	Yes	6W	IEEE 802.3at PoE	-40 to 75°C -40 to 167°F

Physical Specifications

Part Number	Dimensions (W x H x D)	Weight (Unit)	Weight (Shipping)	Mounting	Housing	LED Indicators
Airolinx-6-IOM-IP67-T	386 x 386 x 81.6mm 15.2 x 15.2 x 3.2in	1.40kg 3.10lbs	2.40kg 5.30lbs	Pole	Plastic, IP67	Power, Link, Activity
Airolinx-6-EOM-IP67-T	386 x 605 x 81.6mm 15.2 x 23.8 x 3.2in	1.84kg 4.06lbs	2.77kg 6.10lbs	Pole	Plastic, IP67	Power, Link, Activity
Airolinx-6-ILD-IP67-T	386 x 386 x 81.6mm 15.2 x 15.2 x 3.2in	1.70kg 3.75lbs	2.70kg 5.95lbs	Pole	Plastic, IP67	Power, Link, Activity

Technology

Protocol	IP, TCP, UDP, ARP, BOOTP, ICMP, HTTP, HTTPS, DNS Proxy, NTP, RADIUS, Dynamic DNS, SNMP
IEEE Standards	IEEE 802.11a/n/ac/ax Wi-Fi 6 IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3 1000Base-T Gigabit Ethernet IEEE 802.3af/at Power over Ethernet
WLAN Operation Mode	Access Point/Client/Bridge/Repeater/Router
Encryption Security	WPA, WPA2, WPA3, WEP, TKIP, AES

Wireless Specification

5GHz	Transmit (dBm)	Receive Sensitivity (dBm)
6Mbit/s	28	-96
54Mbit/s	26	-88
MCS0	28	-96
MCS7	25	-75
MCS9	23	-70
MCS11	20	-67

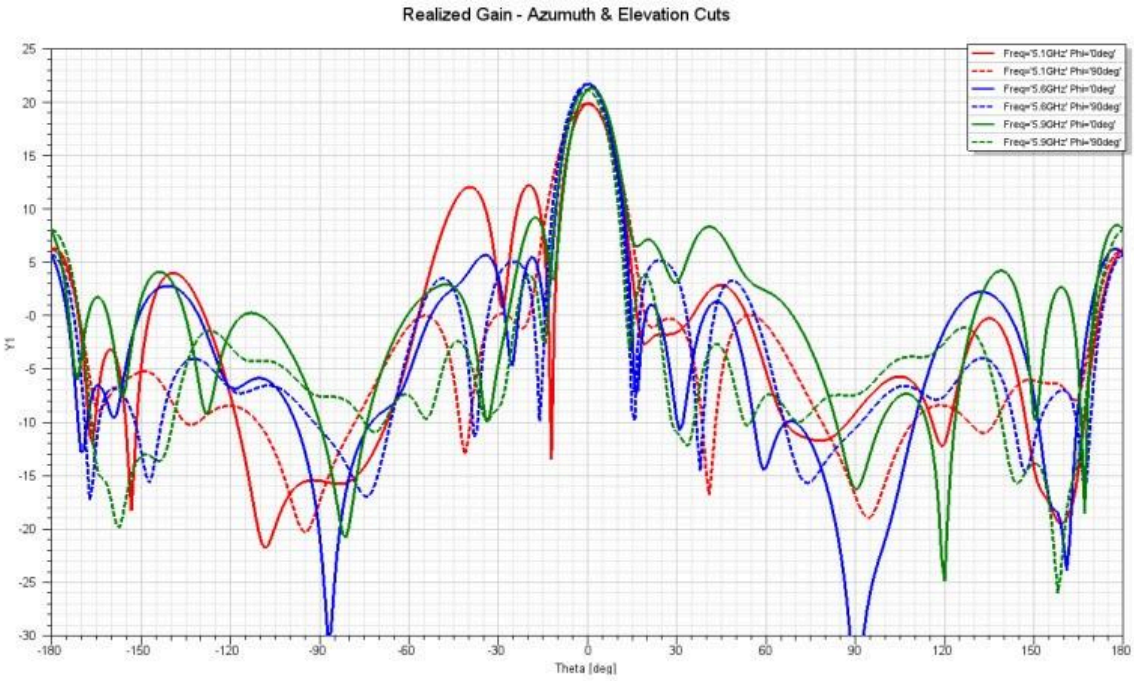
Compliance Specifications

Certifications	CE, FCC, IC, EAC, RoHS Compliance
Warranty	5 Years
Country of Origin	Made in Poland

Specifications for AIROLINX-6-ILD-IP67-T

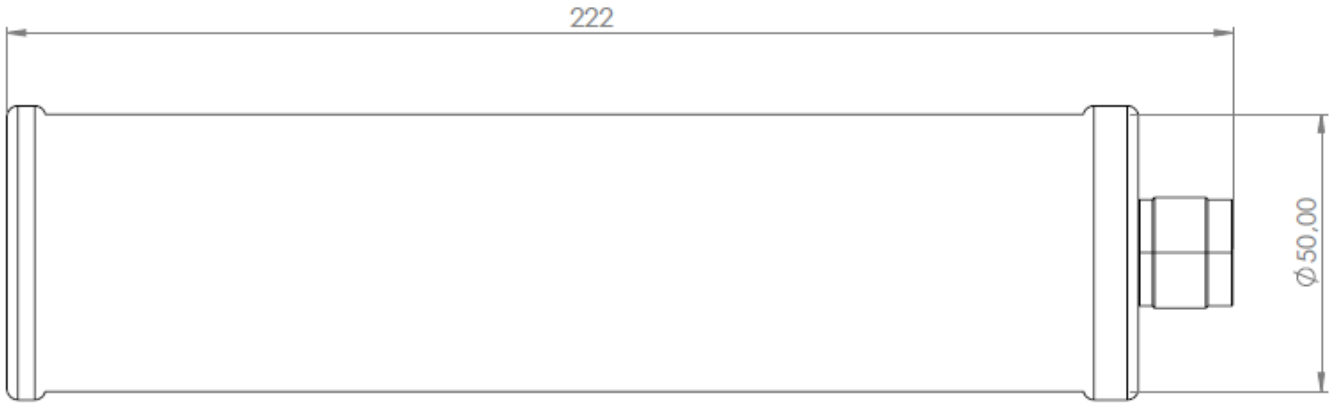
Specifications		Specifications	
Frequency Range	4.9~5.9GHz	Front-to-Back Ratio	> 15 dB
Gain	2 x 21dBi average	X-Pol Discrimination	> 30 dB typ. in axis
Polarization	Dual Linear (H & V)	RF Interface	Integrated

			(Not user serviceable)
Beamwidth Horizontal	12 degree @ -3dB	Dimension (L x W x D)	270 x 270 x 50mm
Beamwidth Vertical	12 degree @ -3dB	Weight	1.3kg / 2.87lbs
VSWR	< 2 typ. (< 2.5 max.)	Backplane Material	Aluminum
Impedance	50 Ohm	Radome Material	PVC
Port-to-Port Isolation	> 30 dB	Operating Temperature	-40 to 75°C / -40 to 167°F



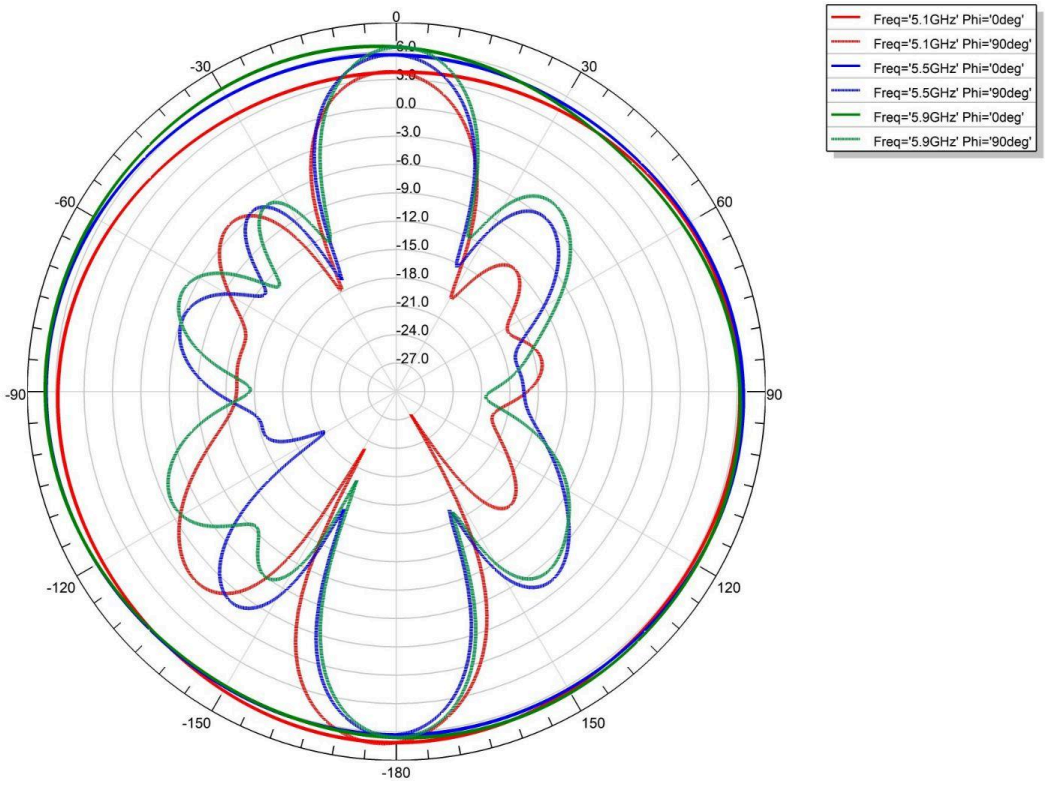
Specifications for AIROLINX-6-IOM-IP67-T and AIROLINX-6-EOM-IP67-T

Specifications	Omnidirectional Horizontal Antenna	Omnidirectional Vertical Antenna
Frequency Range	5~5.9GHz	4.9~5.9GHz
Gain	7dBi	8dBi
Polarization	Horizontal	Vertical
Beamwidth Horizontal	360°	
Beamwidth Vertical	23°	18°
VSWR	< 2	
Impedance	50 ohm	
Connector	N-Type Male	
Material (Antenna)	Polystyrene and Aluminum	
Dimensions (Antenna)	170 x 50mm	220 x 32mm
Operating Temperature (Antenna)	-40 to 80°C / -40 to 176°F	

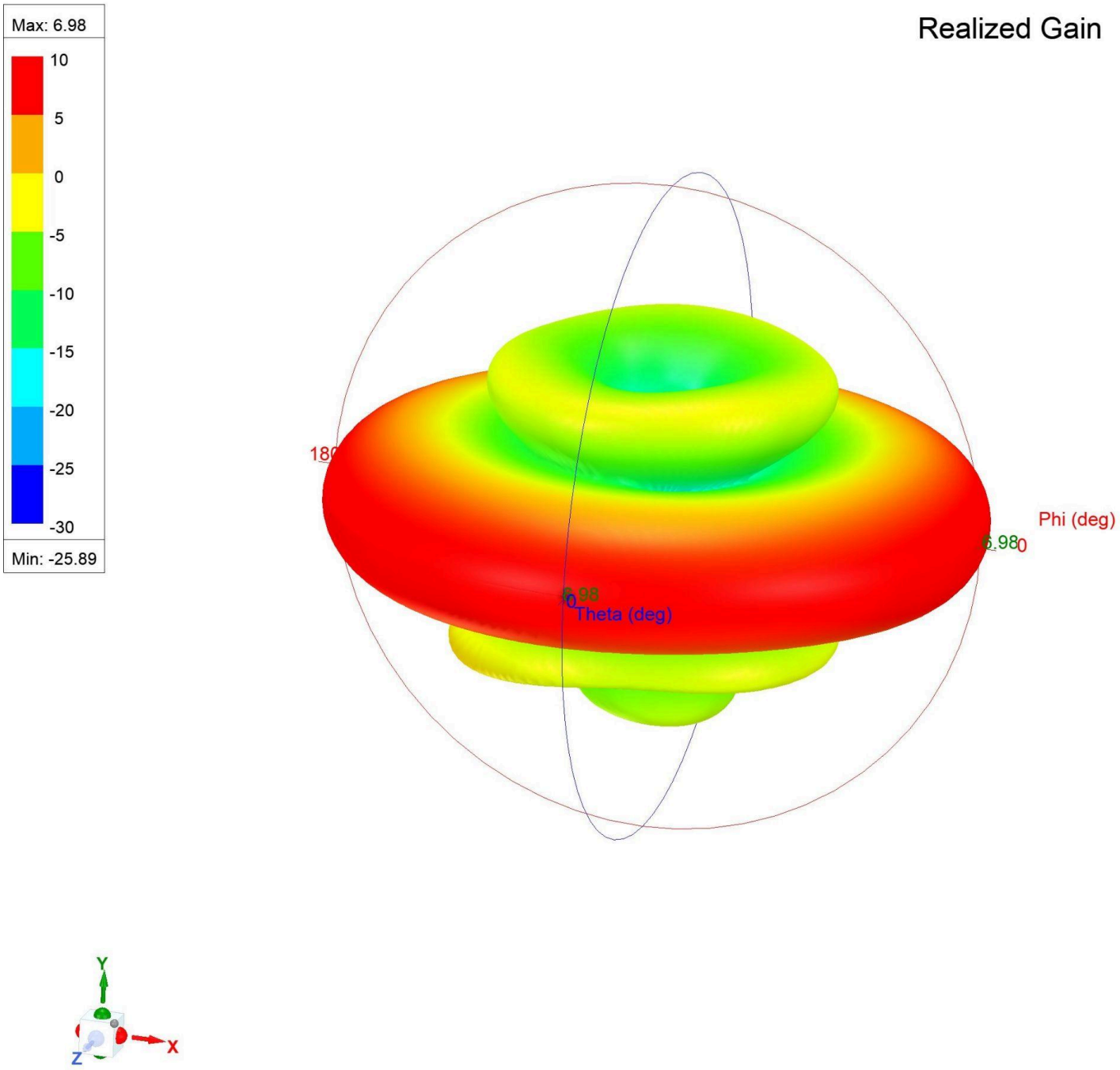


Omnidirectional Horizontal Antenna

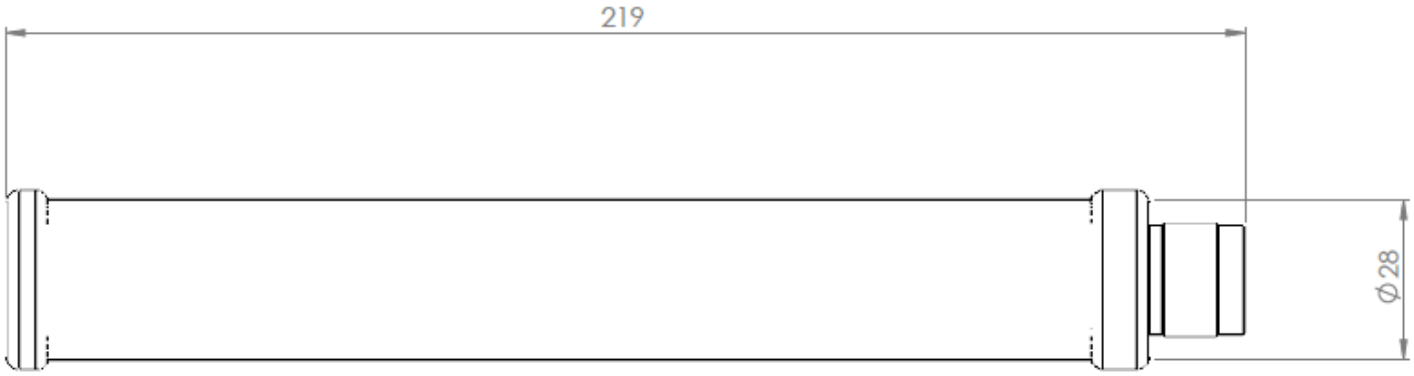
Gain - Azimuth & Elevation Cuts - HPol



Omnidirectional Horizontal Antenna
Gain Plot

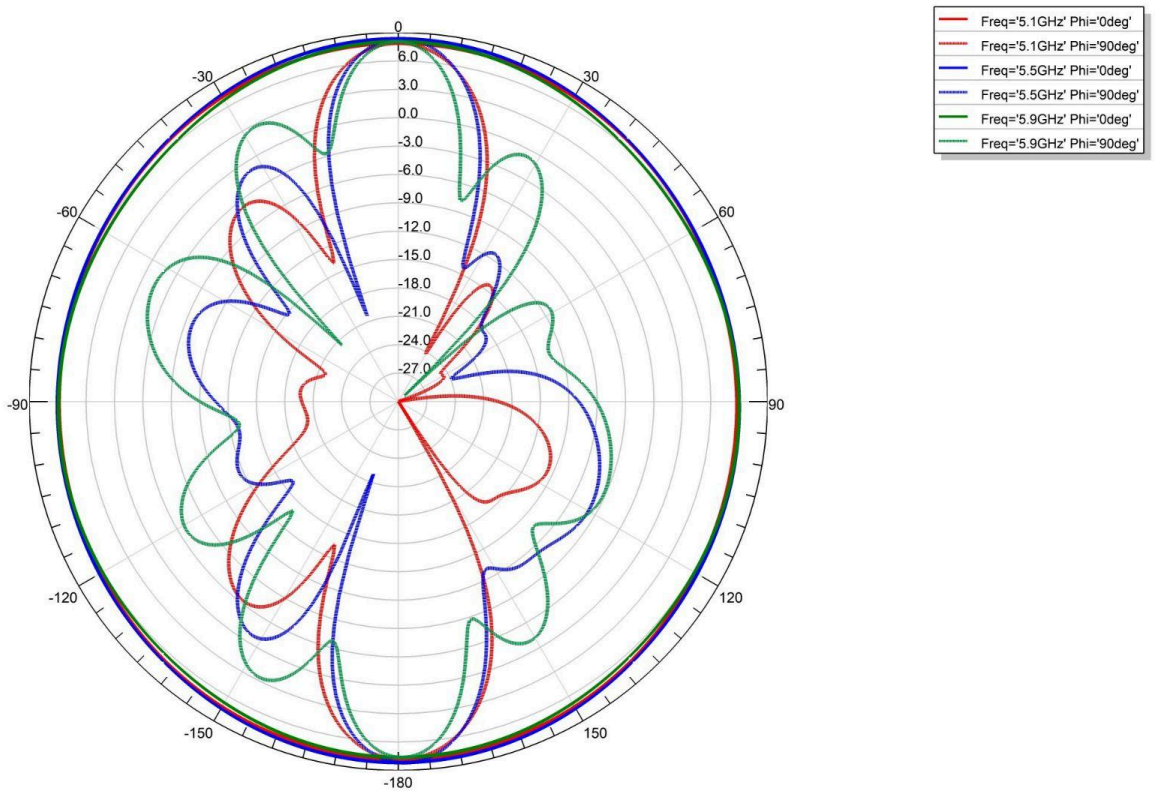


Omnidirectional Horizontal Antenna
Realized Gain Plot

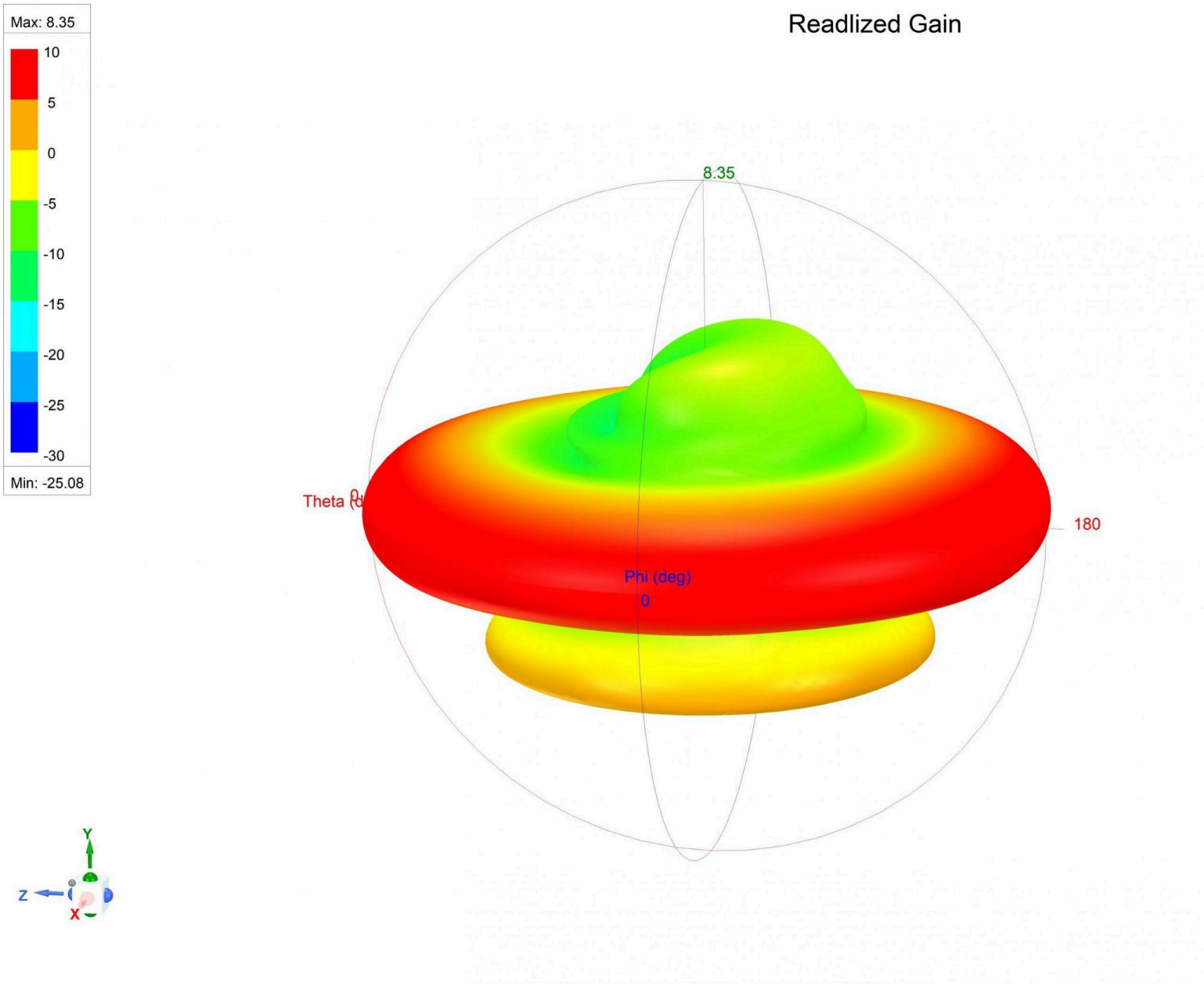


Omnidirectional Vertical Antenna

Gain - Azimuth & Elevation Cuts - VPol



Omnidirectional Vertical Antenna
Gain Plot



Omnidirectional Vertical Antenna
Realized Gain Plot

ORDERING INFORMATION

Wireless Models

Part Number	Description
Airolinx-6-IOM-IP67-T	Industrial Outdoor IP67 with Internal Omnidirectional Antennas Wi-Fi 6 (802.11a/n/ac/ax) Wireless Access Point/Client/Bridge/Repeater/Router with 802.3at PoE PD; EOT: -40°C to 75°C
Airolinx-6-EOM-IP67-T	Industrial Outdoor IP67 with External Omnidirectional Antennas Wi-Fi 6 (802.11a/n/ac/ax) Wireless Access Point/Client/Bridge/Repeater/Router with 802.3at PoE PD; EOT: -40°C to 75°C
Airolinx-6-ILD-IP67-T	Industrial Outdoor IP67 with Internal Long Distance 2x2 Panel Antenna Wi-Fi 6 (802.11a/n/ac/ax) Wireless Access Point/Client/Bridge/Repeater/Router with 802.3at PoE PD; EOT: -40°C to 75°C

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