

915 MHz Weather-Proof Whip Antenna



AANE-WH-0034

Request Samples



Check Inventory



Ø8.3 x 50 mm

RoHS/RoHS II Compliant

MSL = N/A

Features

- 915 MHz Monopole Antenna
- Peak Gain: 3.6 dBi
- High Efficiency up to 76%
- Weather-Proof and IP66 Rated
- Fully Customizable Connectors

Applications

- LPWA/LoRa/SigFox Applications
- Intelligent Lighting
- Smart Metering Solutions
- Smart Irrigation Systems
- Home Automation and Fire Prevention
- Agriculture/Environment Sensing

Product Image



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Electrical Specification

Parameter	Specification			Unit
	Min	Typ	Max	
Operating Frequency	902 - 928			MHz
VSWR (Typ.)	< 2.0			
Peak Gain	3.6			dBi
Maximum Efficiency	76.7			%
Average Efficiency	74.7			%
Impedance	50			Ω
Polarization	Linear			
Radiation Pattern (Azimuth)	Omni-directional			
Input Power (Ambient 25°C)	5			W

Mechanical Specification

Parameter	Specification
Dimensions	Ø8.3 x 50 mm
Material	UV Resistant TPEE
Recommended Torque for Mounting	0.565 N·m
Color	Black
Antenna Type	Whip (Monopole)
RF Connector ⁽¹⁾	SMA(M)

(1): Fully customizable RF connectors

Environmental Specification

Parameter	Specification
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
IP rating	IP66
ROHS Complaint	Yes



12117 Bee Caves Rd, Bldg-3, Suite 200 Bee Cave, TX 78738
Phone: 512-371-6159 | Fax: 512-351-8858
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www.abracon.com

REVISED: 08-26-25

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Ordering Information

Part Number	Description	Connector Option
AANE-WH-0034-1	915 MHz Weather-Proof Whip Antenna with SMA(M) connector, IP66 & UV-Resistant Housing	SMA(M)
AANE-WH-0034-2	915 MHz Weather-Proof Whip Antenna with RP-SMA(M) connector, IP66 & UV-Resistant Housing	RP-SMA(M)



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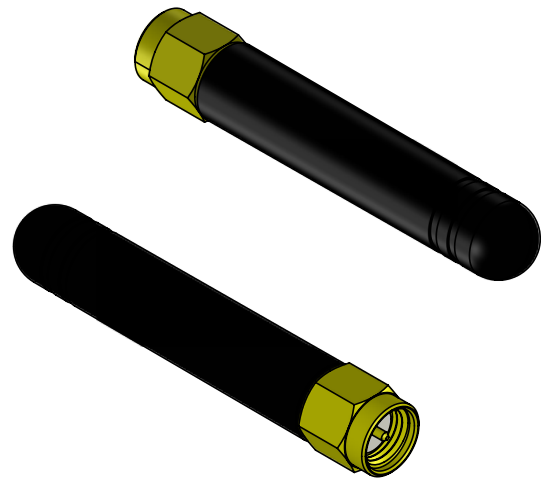
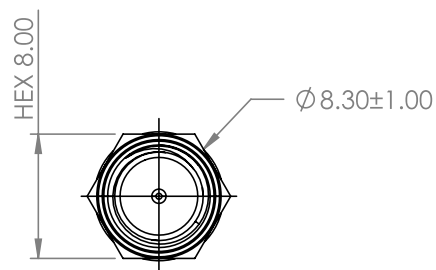
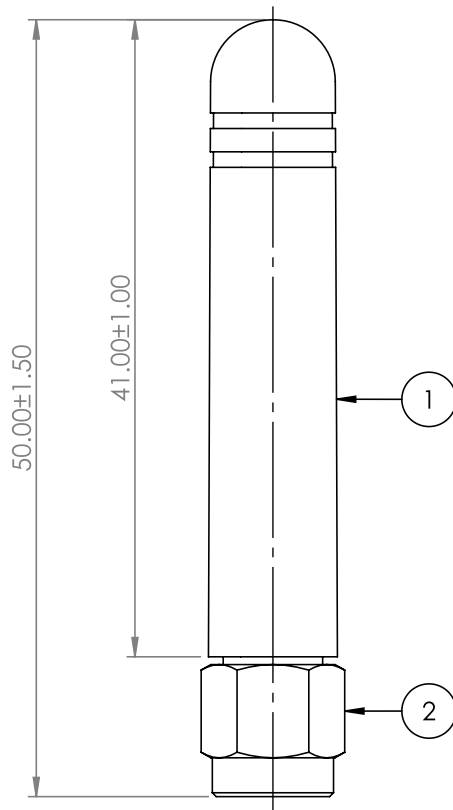


Ø8.3 x 50 mm

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Product Dimensions



Unit : mm

No.	Name	Material	Finish
1	Body	TPEE	Black
2	Connector	SMA(M)	Au-Plated



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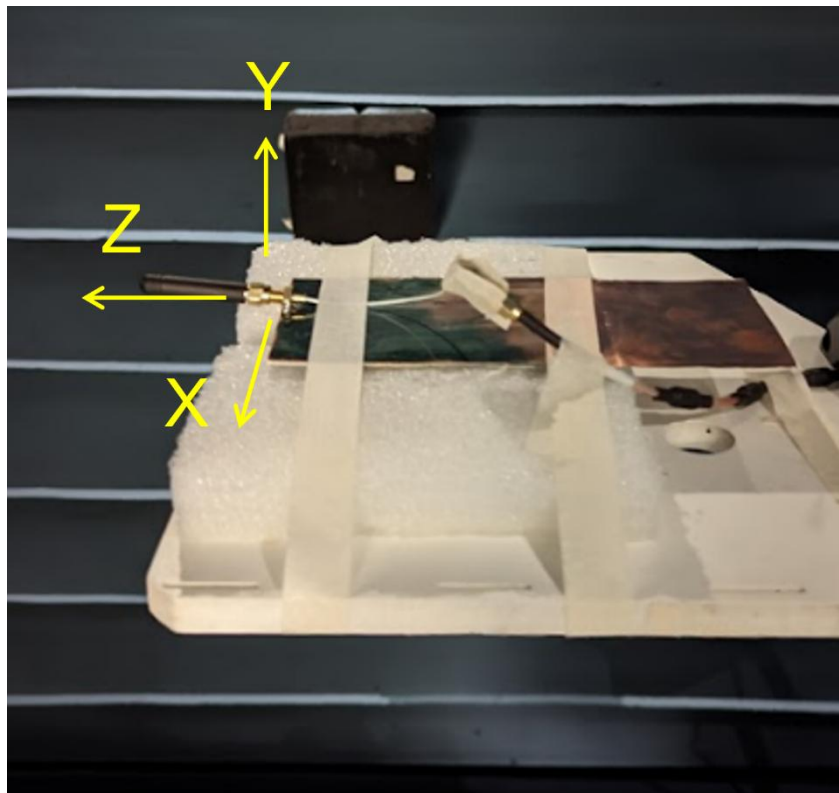


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Measurement Setup **photo**



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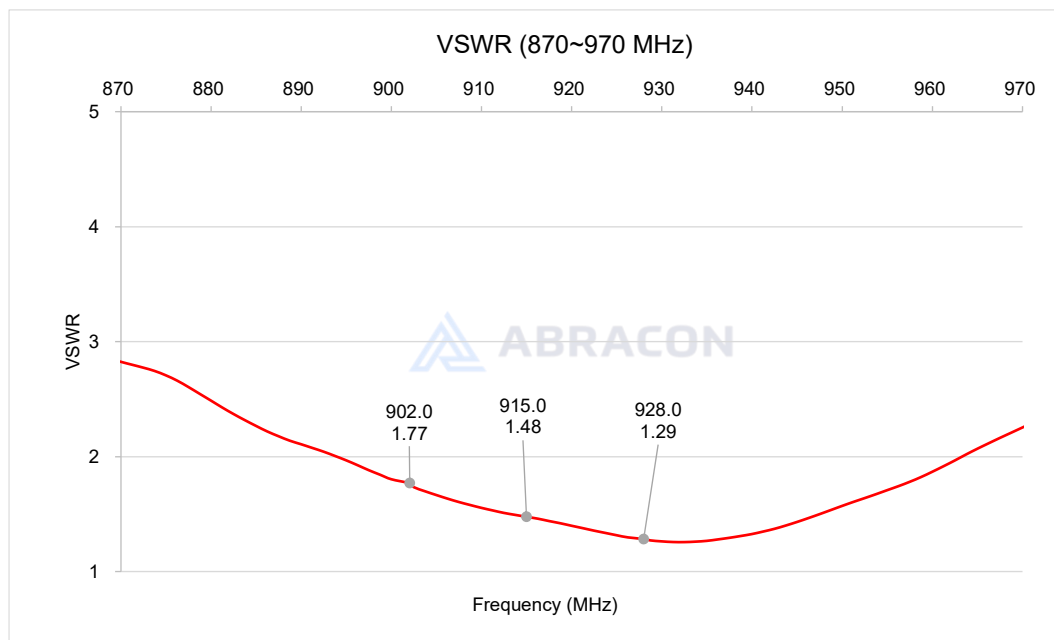
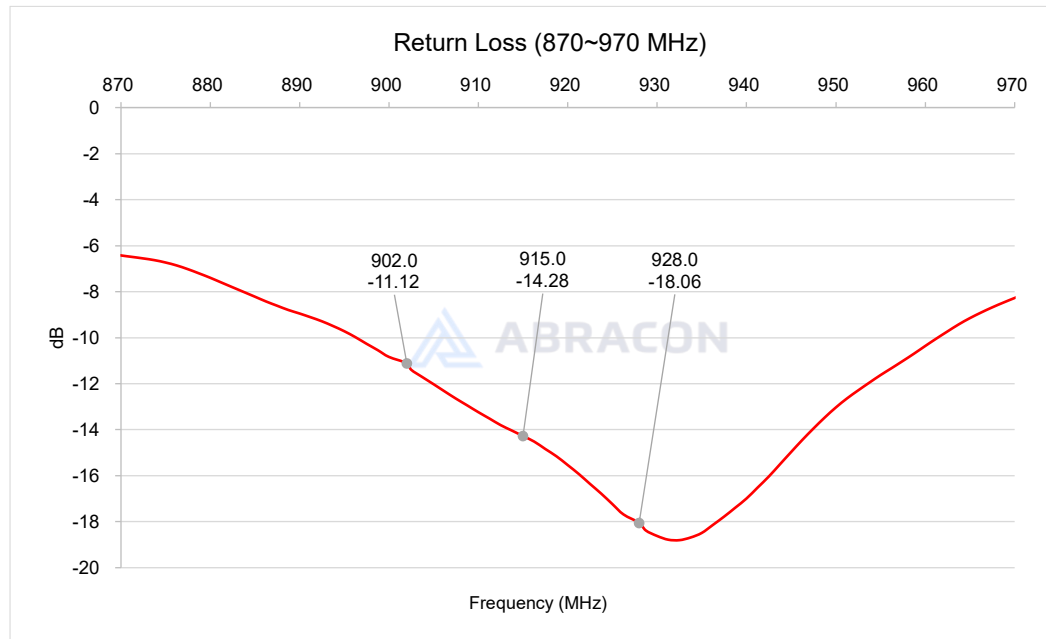


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Reflection Characteristics – Return Loss & VSWR



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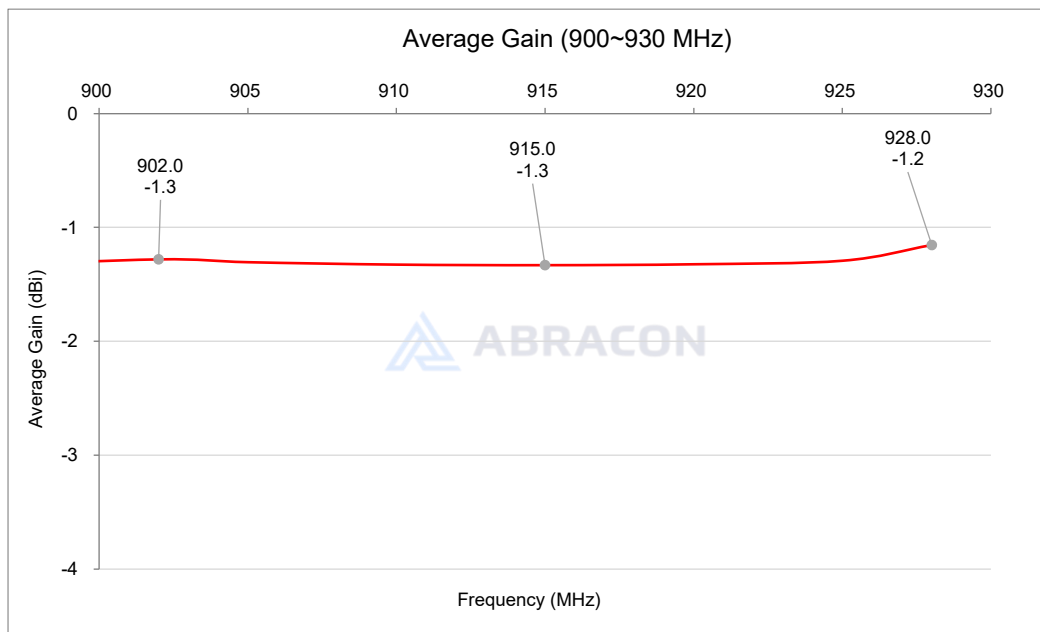
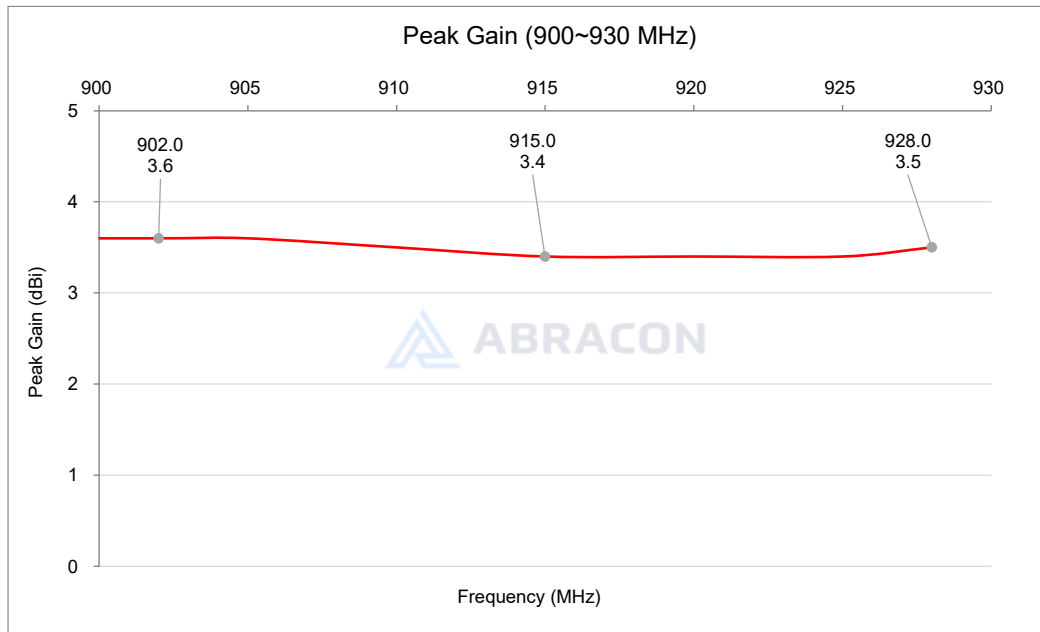


Ø8.3 x 50 mm

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Radiation Characteristics – Peak Gain & Average Gain



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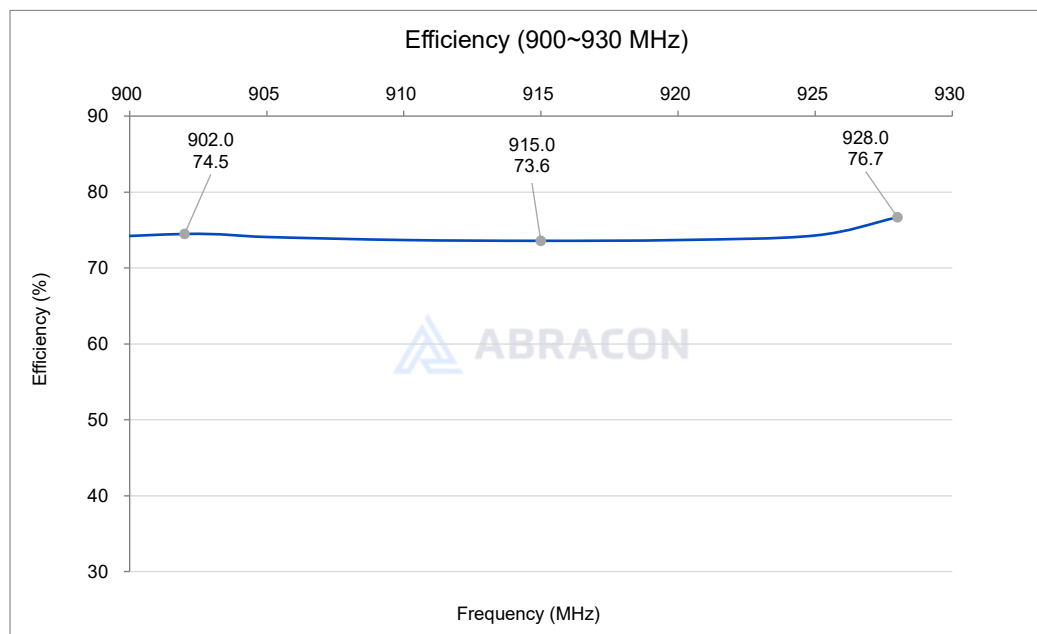


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Radiation Characteristics – Total Efficiency (%)



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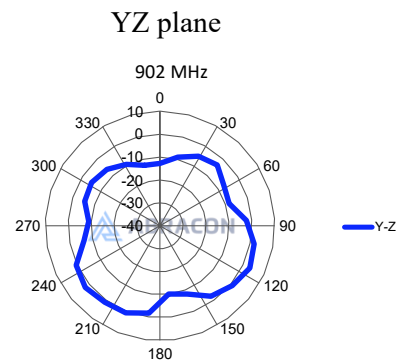
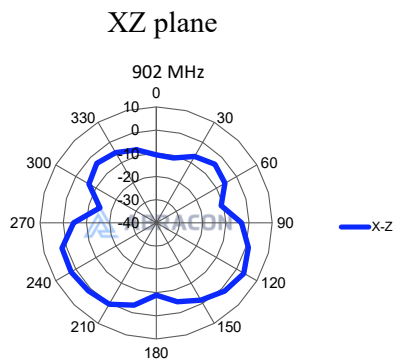
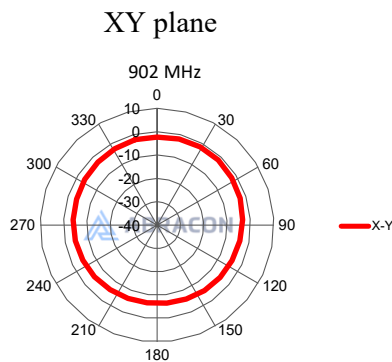
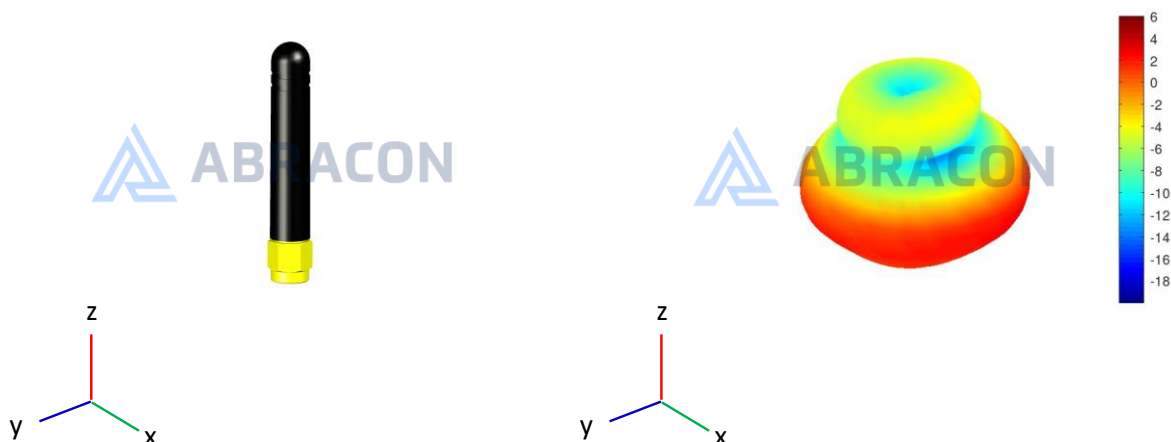
Ø8.3 x 50 mm

RoHS/RoHS II Compliant

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Radiation Characteristics – 3D & 2D Pattern

902MHz



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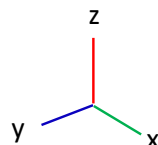
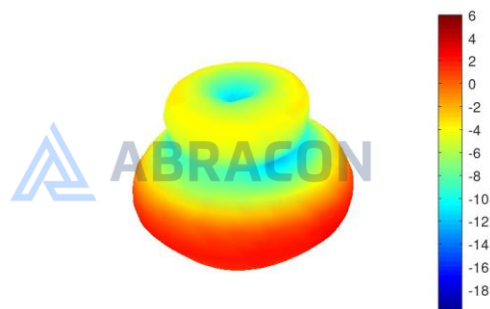
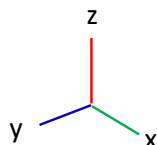


Ø8.3 x 50 mm

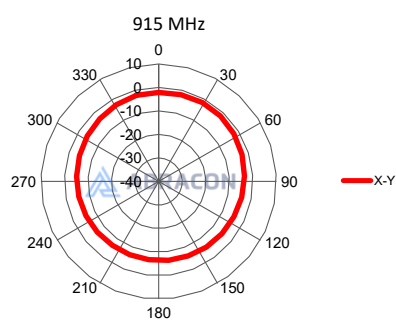
RoHS/RoHS II Compliant

MSL = N/A

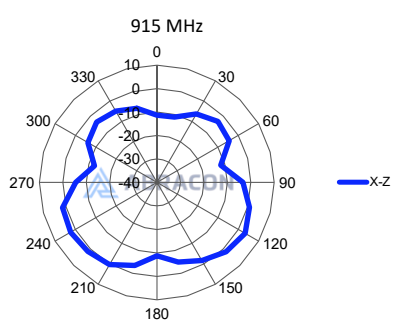
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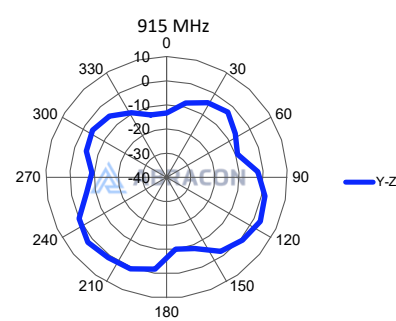
XY plane



XZ plane



YZ plane



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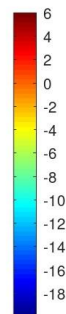
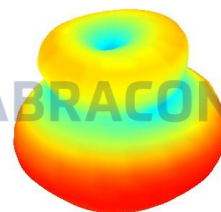
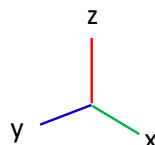
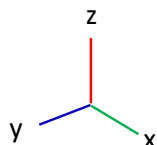


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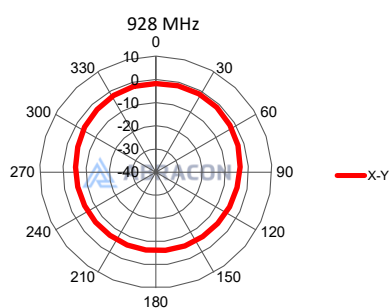
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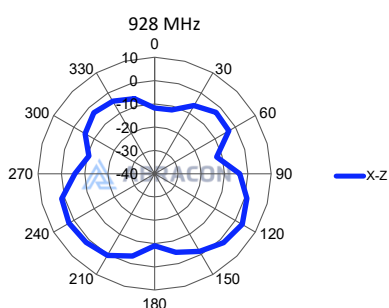
928MHz



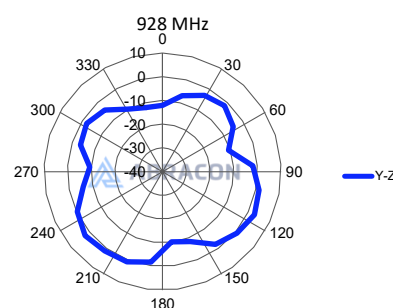
XY plane



XZ plane



YZ plane



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