

SPECIFICATION

915MHz ISM Band Dipole Antenna

Part No. : **OMB.915.B03F21**

Product Name : 3.5dBi 915MHz ISM Band Indoor/Outdoor

Omni-Directional Antenna

Feature : Suitable to use in robust outdoor environment

Dimensions: Height 1093.5mm

RoHS compliant





1. Introduction

The 915MHz Barracuda ISM Outdoor antenna is designed to a have a long distance coverage. Omni-directional high gain across all bands ensures constant reception and transmission. The UV resistant coating with fiberglass housing makes this antenna suitable to be mounted in robust outdoor environment, pole-mounting and wall-mounting bracket is included.

The antenna finds its usage in metering, industrial monitoring and security applications.



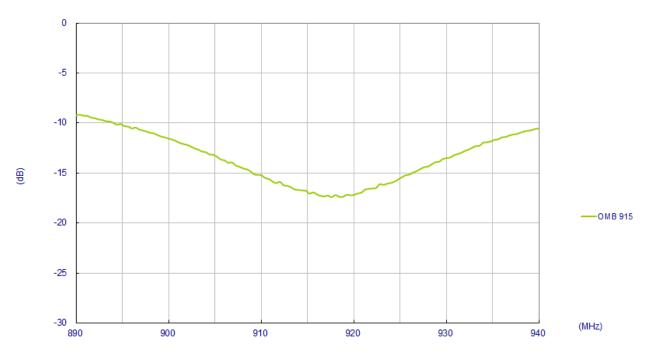
2. Specification

ELECTRICAL					
Standard	ISM 915				
Band	902~928MHz				
Antenna Type	Collinear				
Gain(max)	3.5dBi				
Polarization	Vertical				
Impedance	50 ohms				
Max Input Power	50 watts				
VSWR	<1.5:1				
Radiation	Omni-Directional				
Vertical Bandwidth	15 Deg				
Horizontal Bandwidth	360 Deg				
Antenna Design	Dipole Array				
Internal Material	Copper				
Connector	N Type Female				
	MECHANICAL				
Length	1094mm(Max)				
Base Diameter	70*55mm(Max)				
A mhamma \\/ = ! = + (C \\/ \)	760g				
Antenna Weight(G.W)	, 009				
Mounting Accessories(G.W)	70g				
Mounting					
Mounting Accessories(G.W)	70g				
Mounting Accessories(G.W) Application	70g Indoor/Outdoor				
Mounting Accessories(G.W) Application Radome Material	70g Indoor/Outdoor White Fiberglass				
Mounting Accessories(G.W) Application Radome Material Base Material	70g Indoor/Outdoor White Fiberglass Aluminum				
Mounting Accessories(G.W) Application Radome Material Base Material Mount Style	70g Indoor/Outdoor White Fiberglass Aluminum Pole Mount/Wall Mount				
Mounting Accessories(G.W) Application Radome Material Base Material Mount Style Mounting	70g Indoor/Outdoor White Fiberglass Aluminum Pole Mount/Wall Mount Stainless Steel				
Mounting Accessories(G.W) Application Radome Material Base Material Mount Style Mounting Wind Resistance	70g Indoor/Outdoor White Fiberglass Aluminum Pole Mount/Wall Mount Stainless Steel >150mph (>241km/h) Fiberglass ENVIRONMENTAL				
Mounting Accessories(G.W) Application Radome Material Base Material Mount Style Mounting Wind Resistance	70g Indoor/Outdoor White Fiberglass Aluminum Pole Mount/Wall Mount Stainless Steel >150mph (>241km/h) Fiberglass ENVIRONMENTAL -40°C to +80°C				
Mounting Accessories(G.W) Application Radome Material Base Material Mount Style Mounting Wind Resistance Housing	70g Indoor/Outdoor White Fiberglass Aluminum Pole Mount/Wall Mount Stainless Steel >150mph (>241km/h) Fiberglass ENVIRONMENTAL				
Mounting Accessories(G.W) Application Radome Material Base Material Mount Style Mounting Wind Resistance Housing Storage Temperature	70g Indoor/Outdoor White Fiberglass Aluminum Pole Mount/Wall Mount Stainless Steel >150mph (>241km/h) Fiberglass ENVIRONMENTAL -40°C to +80°C				

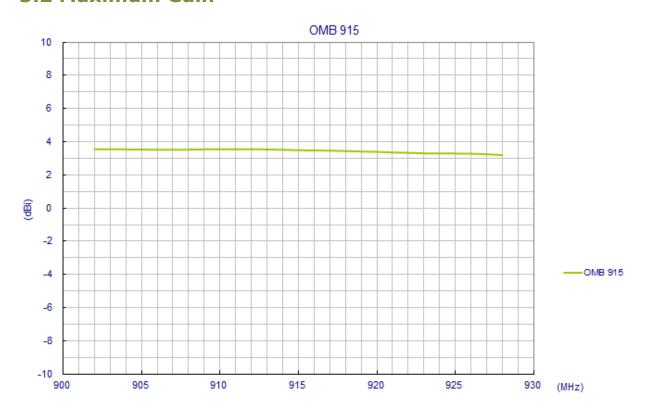


3. Antenna Characteristics

3.1 Return Loss

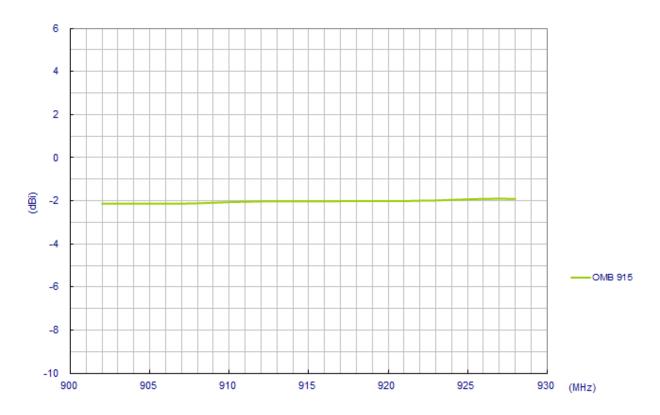


3.2 Maximum Gain

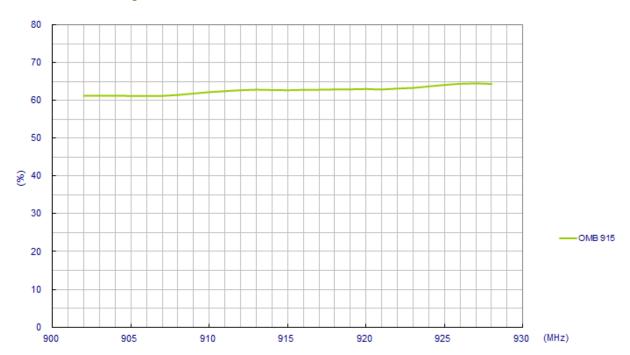




3.3 Average Gain

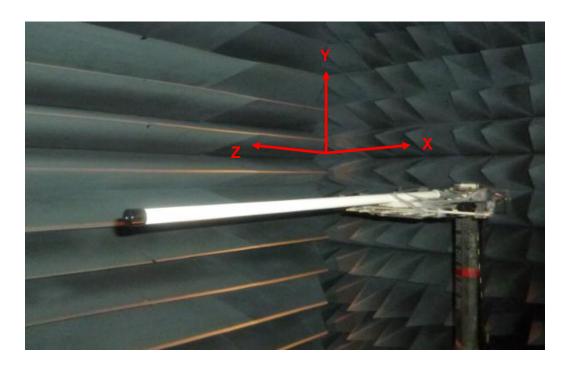


3.4 Efficiency





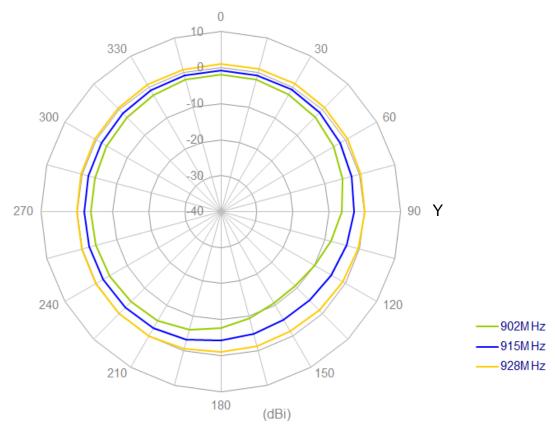
4.3D Radiation Property



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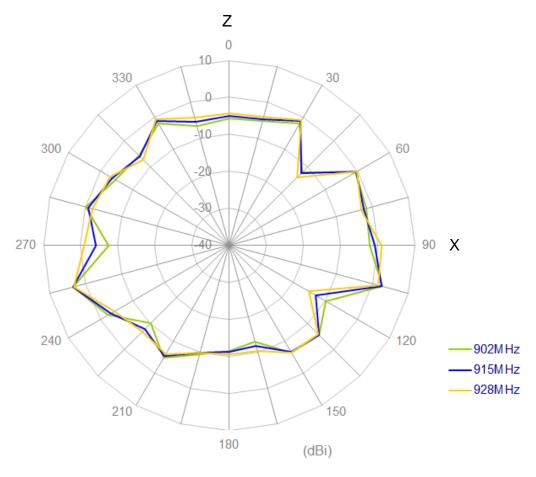


XY-plane



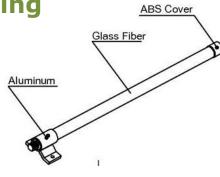


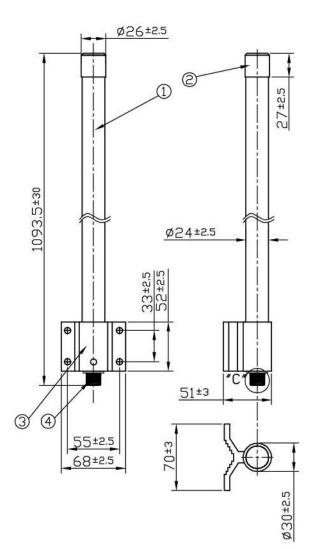
XZ-plane





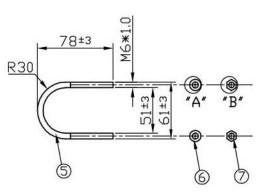
5. Drawing



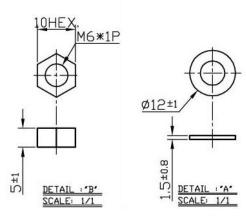


	Name	P/N	Material	Finish	QTY
1	OMB.915 Antenna	001212B020021A	Glass Fiber	White	1
2	Cover	000111K000021A	ABS	Silver	1
3	Holder	000311K000021A	Aluminum	Silver	1
4	N Type(F)	201211K000021A	Brass	Ni Plated	1
5	M6 U Type Screw	000411K000021A	Stainless Steel	Silver	2
6	M6 Washer	000411K010021A	Stainless Steel	Silver	4
7	M6 Nut	000411K020021A	Stainless Steel	Silver	4

Bracket







N Type (F)

