

Barracuda

OMB.445.05F21

Specification

Part No.	**OMB.445.05F21**
Product Name	**Barracuda** Omni-Directional Indoor/Outdoor Antenna 4.4GHz-5GHz Public Safety Band 7dBi
Feature	Suitable to use in robust outdoor environment RoHS compliant

1. Introduction

The 4.4-5.0GHz Barracuda ISM Indoor/ Outdoor antenna is designed to provide long distance coverage for Public Safety applications.

Omni-directional 7dBi gain ensures constant reception and transmission. The UV resistant coating with fiberglass housing makes this antenna suitable to be mounted in robust outdoor environments. A bracket suitable for pole-mounting and wall-mounting is included.

2. Specification

Electrical

Standard	Public Safety
Band	4.4~5.0 GHz
Antenna Type	Collinear
Gain (max)	7dBi
Polarization	Vertical
Impedance	50 Ω
Max Input Power	100 watts
VSWR	<1.5:1
Radiation	Omni-Directional
Vertical Beam-Width	25 Deg
Horizontal Beam-Width	360 Deg
Antenna Design	Dipole Array
Internal Material	Copper
Connector	N Type Female

Mechanical

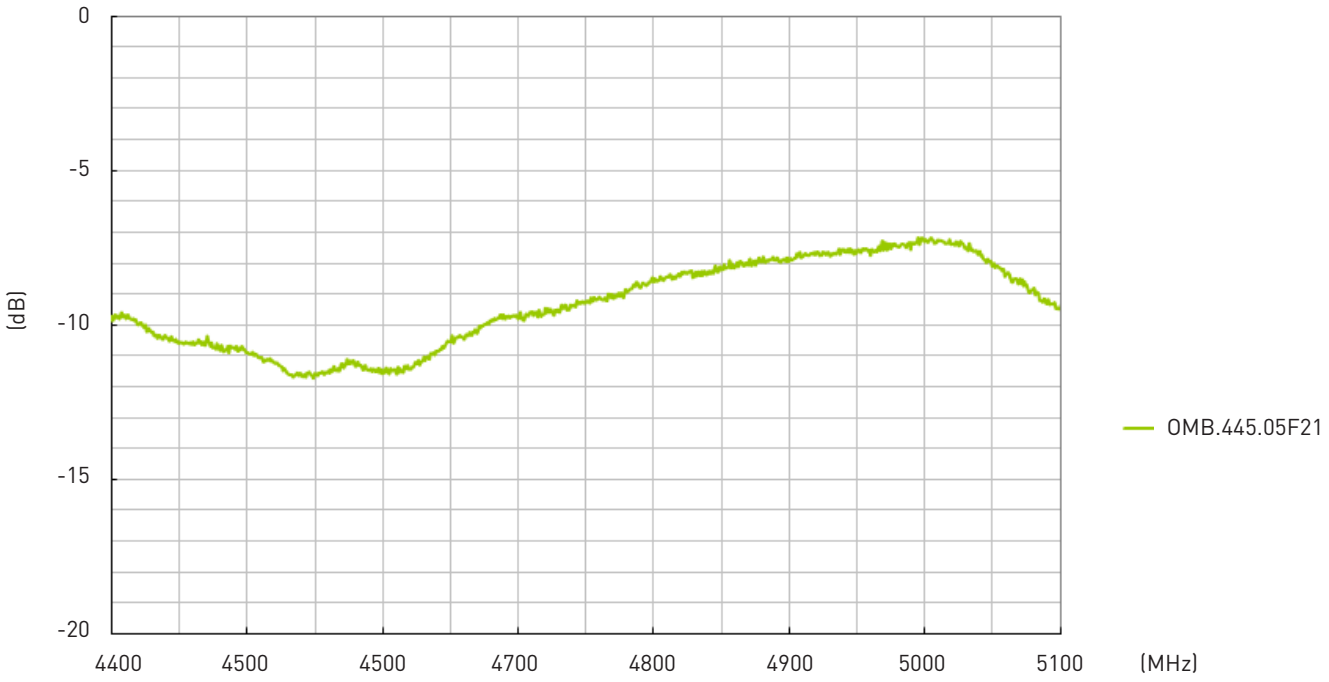
Length	270mm (Max)
Base Diameter	70*50mm (Max)
Antenna Weight (G.W)	300g
Mounting Accessories (G.W)	70g
Application	Indoor/Outdoor
Radome Material	White Fiberglass
Base Material	Aluminum
Mount Style	Pole Mount/Wall Mount
Mounting	Stainless Steel
Wind Resistance	>150mph (>241km/h)
Housing	Fiberglass

Environmental

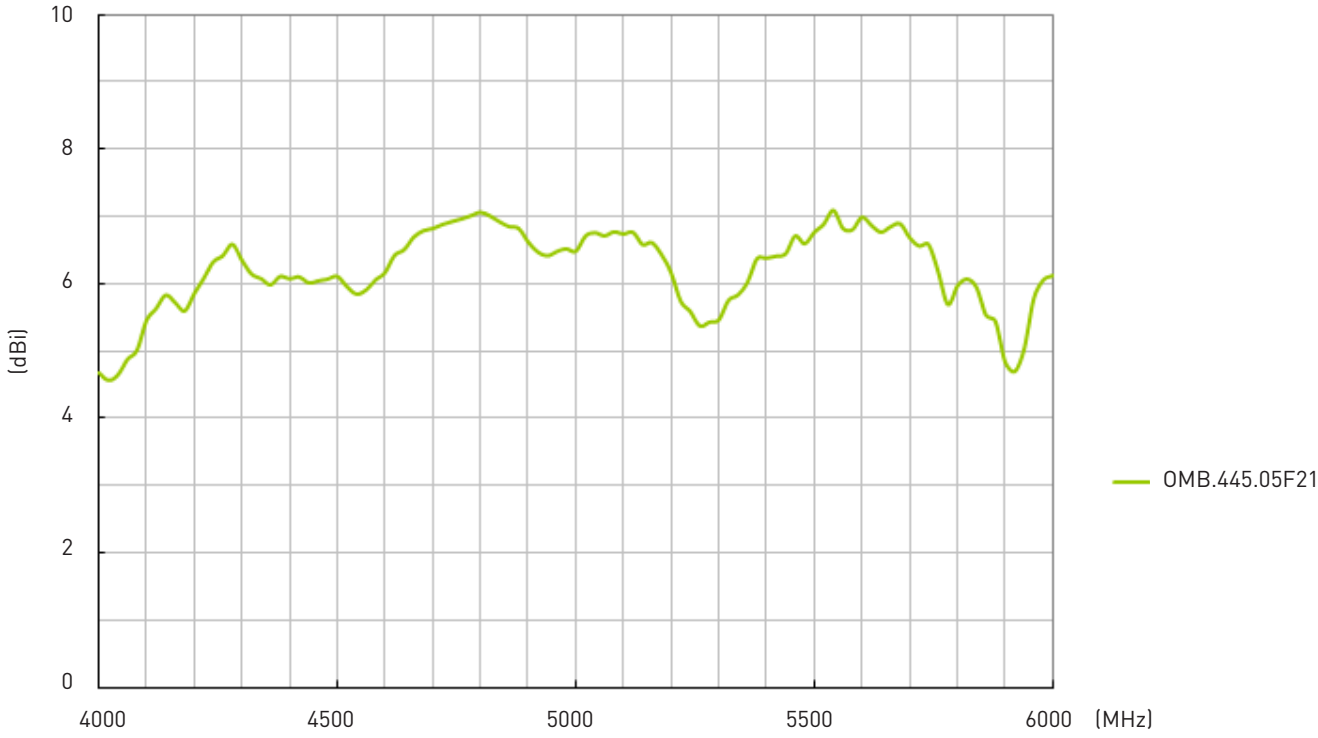
Storage Temperature	-20°C to +80°C
Operating Temperature	-20°C to +60°C
Operating Humidity	10%~80% non-condensing
Storage Humidity	5%~80% non-condensing

3. Antenna Characteristics

3.1 Return Loss

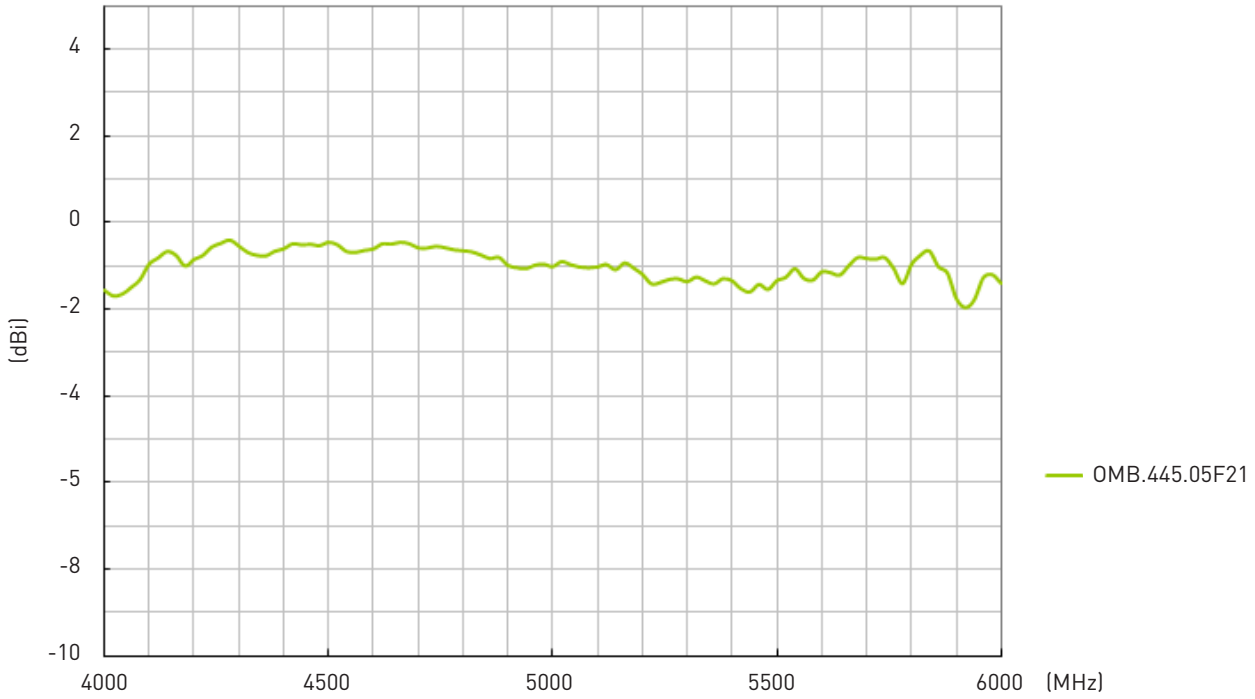


3.2 Maximum Gain

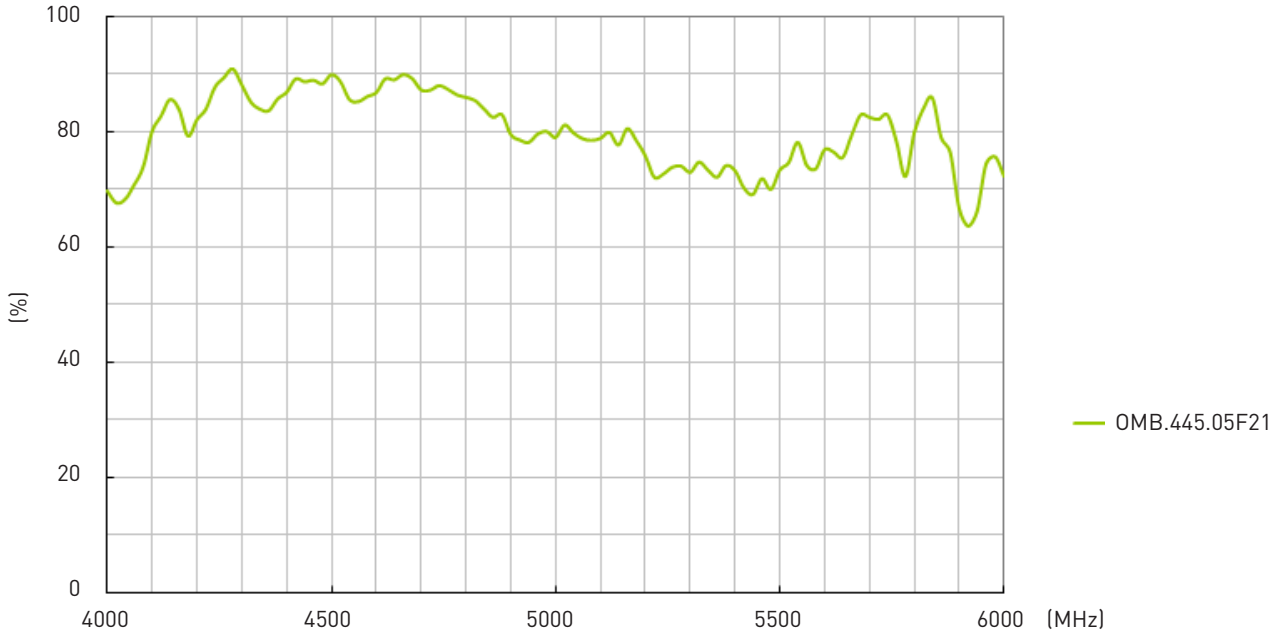


3. Antenna Characteristics

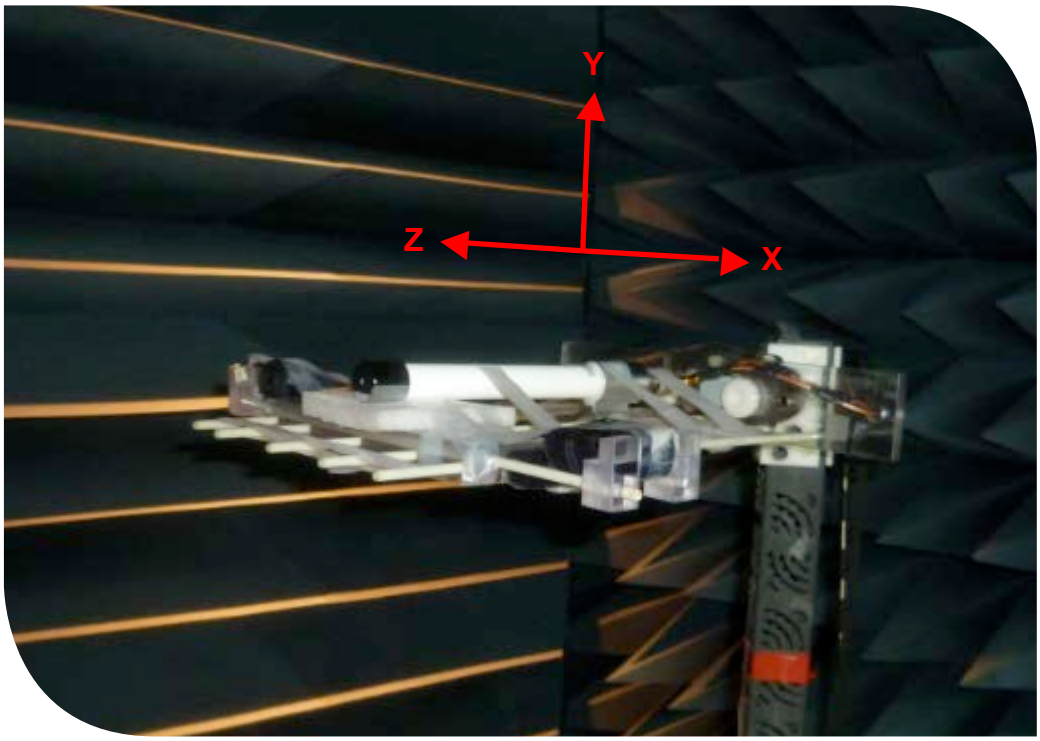
3.3 Average Gain



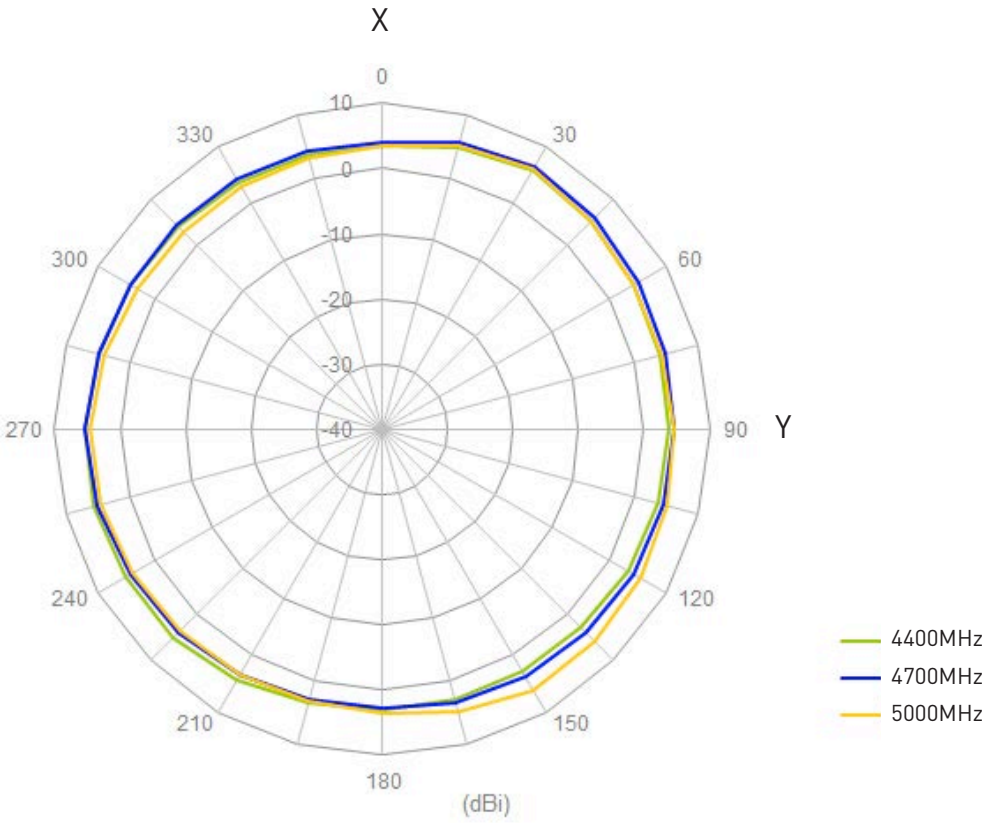
3.4 Efficiency



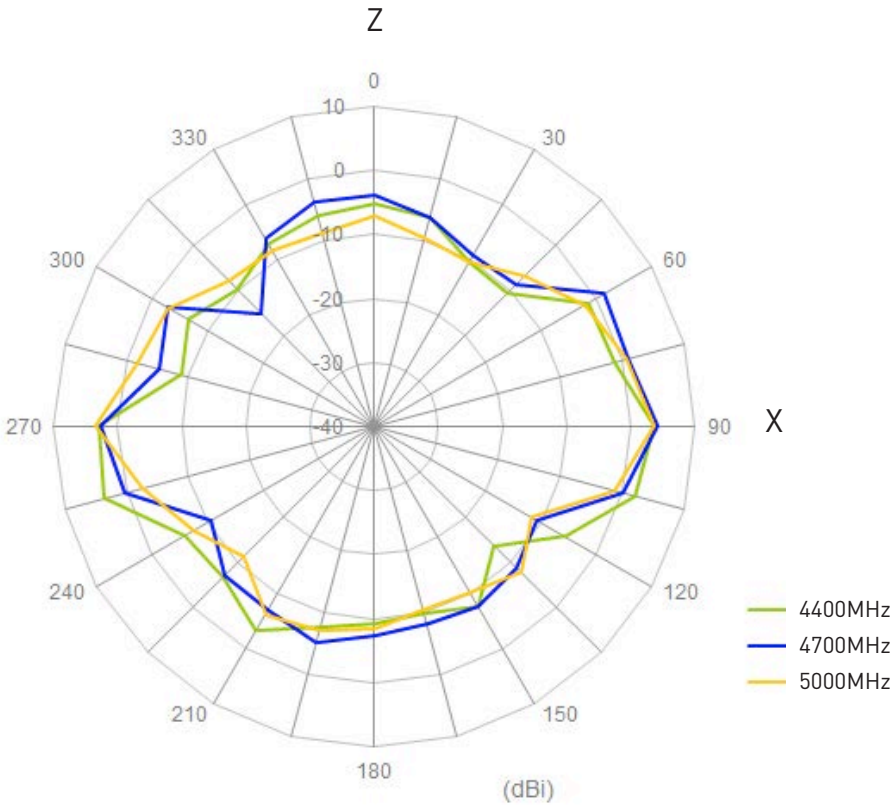
4. 3D Radiation Property



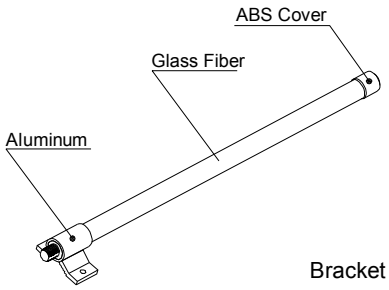
XY Plane



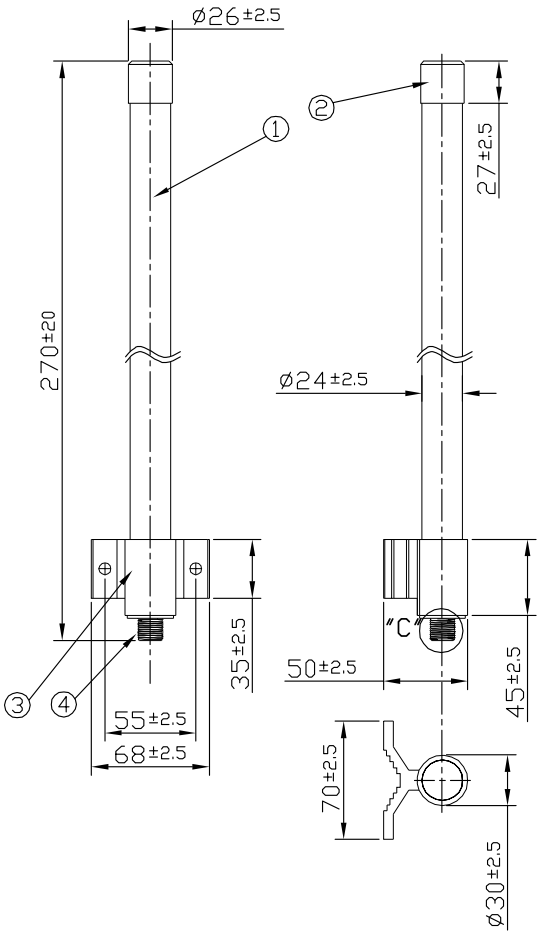
XZ Plane

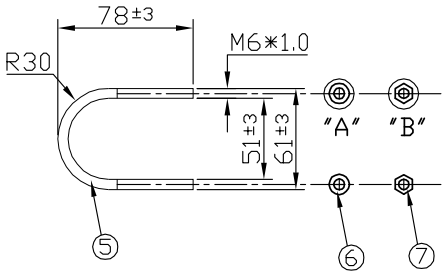


5. Drawing

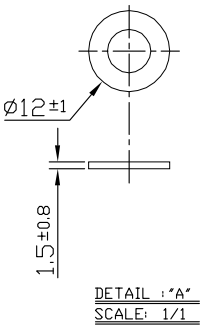


Bracket

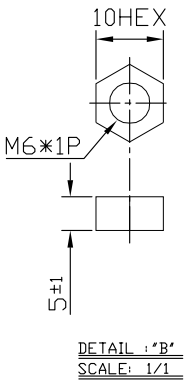




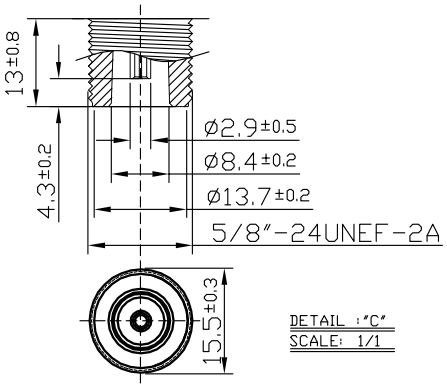
Washer



Nut



N Type (F)

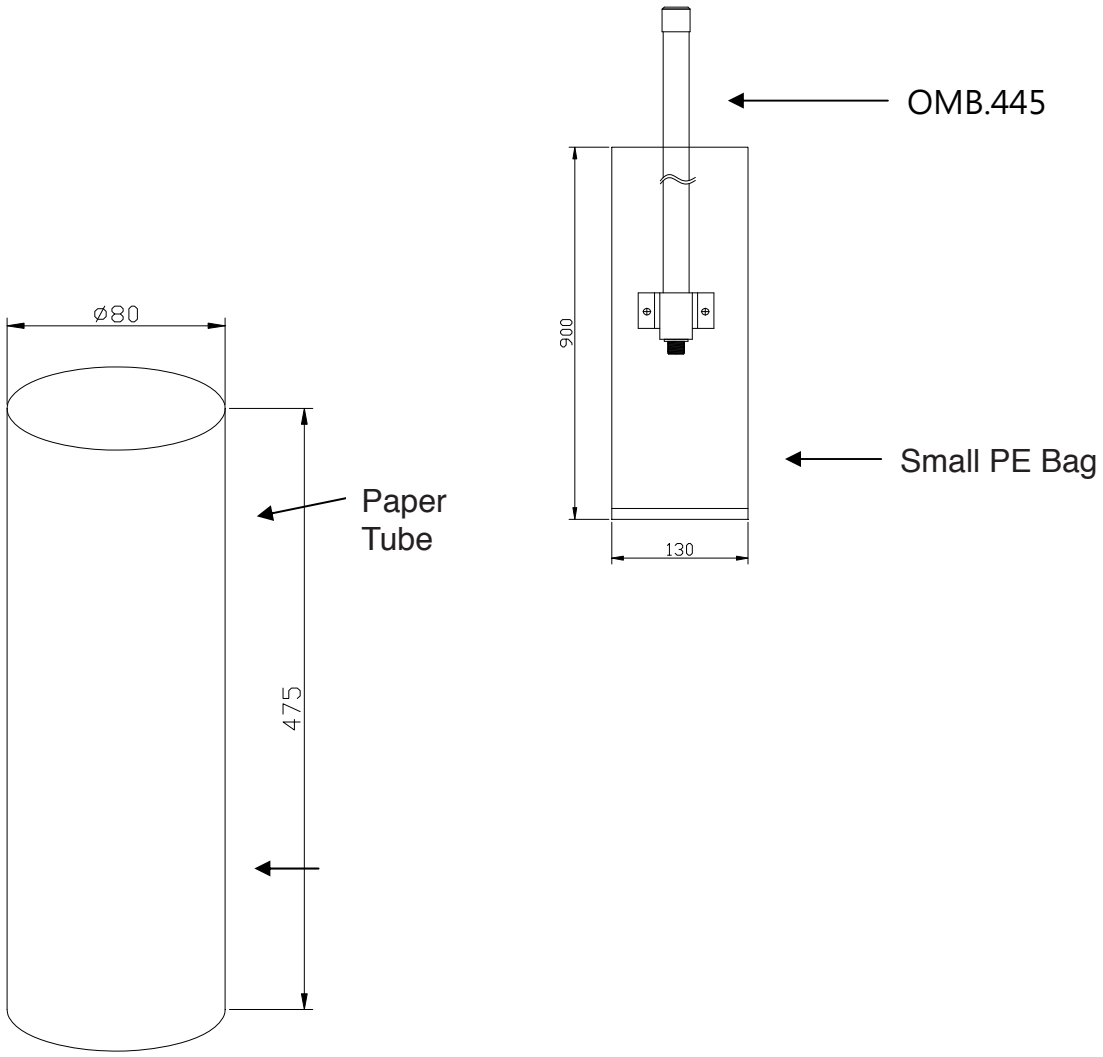


	Name	Material	Finish	QTY
1	OMB.445 Antenna	Glass Fiber	White	1
2	Cover	ABS	Silver	1
3	Holder	Aluminum	Silver	1
4	N Type(F)	Brass	Ni Plated	1
5	M6 U Type Screw	Stainless Steel	Silver	1
6	M6 Washer	Stainless Steel	Silver	2
7	M6 Nut	Stainless Steel	Silver	2

6. Packaging

1pcs Antenna Assembly per small PE bag

1 paper tube per big PE bag.



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