



Barracuda

OMB.445.05F21

## Specification

<b>Part No.</b>	<b>OMB.445.05F21</b>
<b>Product Name</b>	<b>Barracuda</b> Omni-Directional Indoor/Outdoor Antenna 4.4GHz-5GHz Public Safety Band 7dBi
<b>Feature</b>	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

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

### Mechanical

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

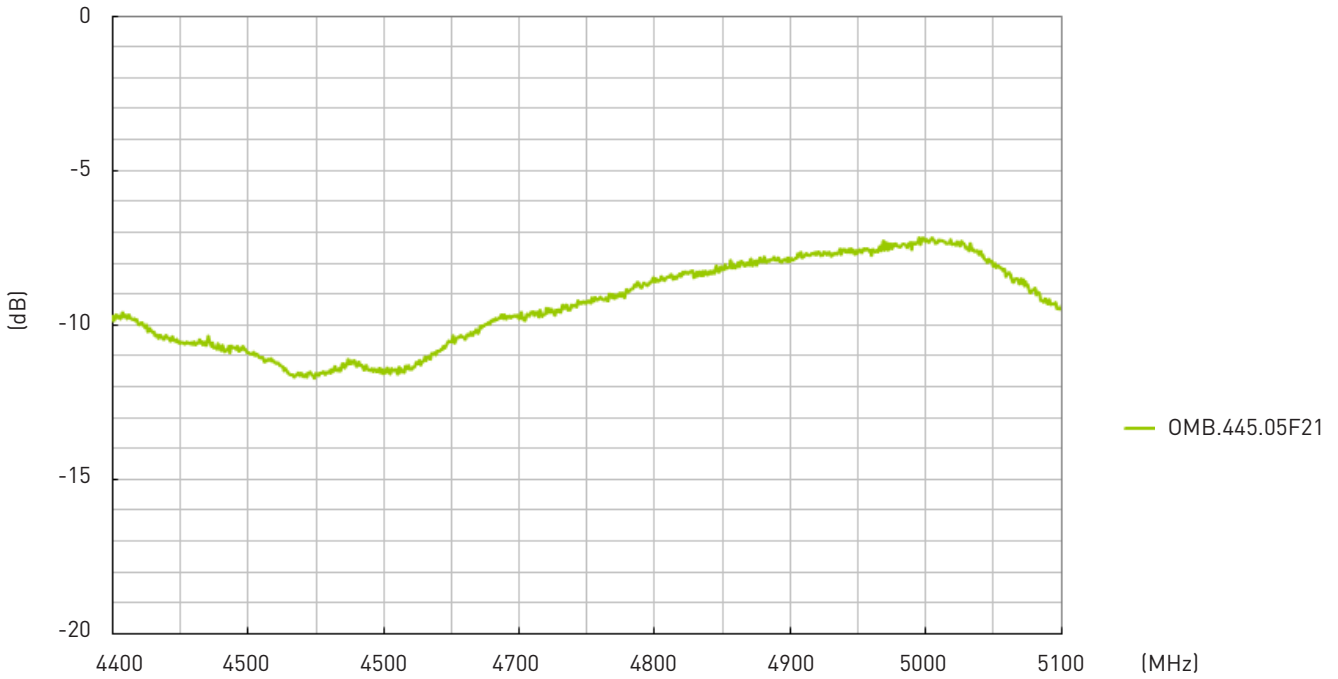
### Environmental

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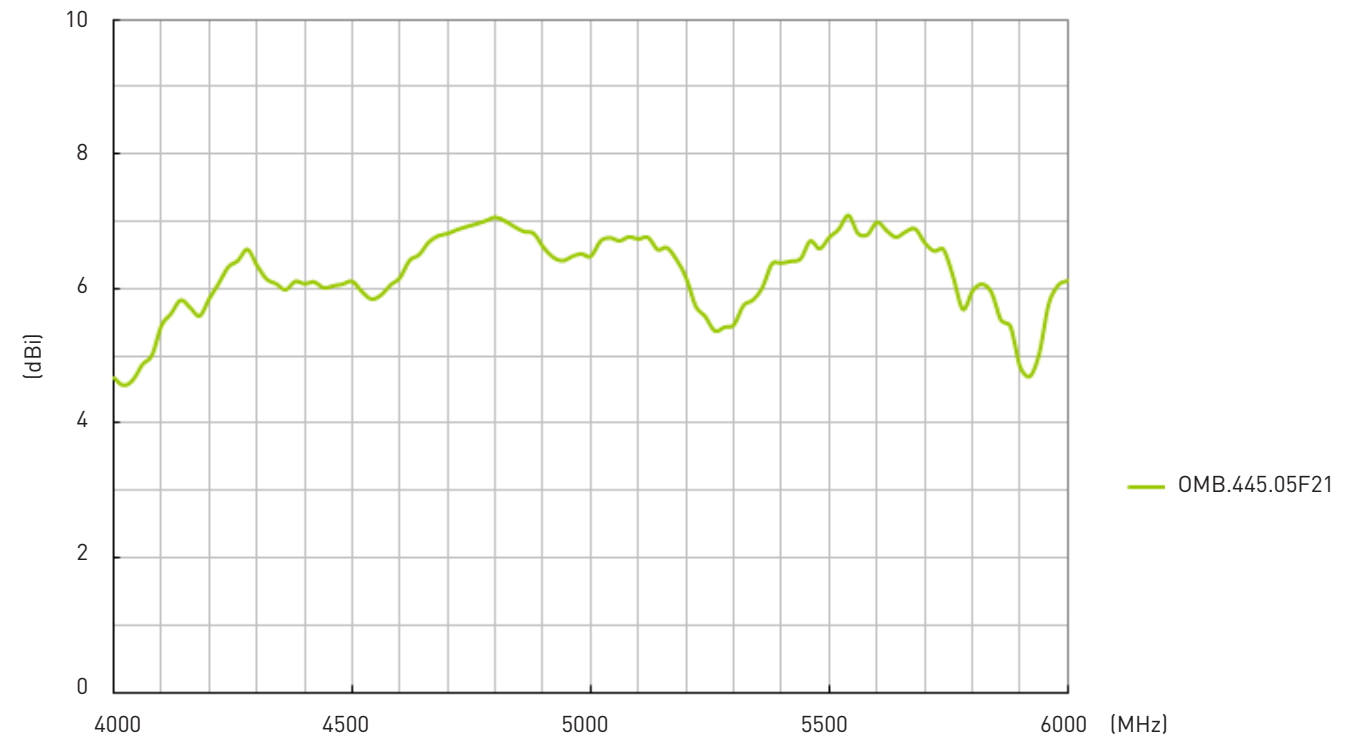
<b>Storage Temperature</b>	-20°C to +80°C
<b>Operating Temperature</b>	-20°C to +60°C
<b>Operating Humidity</b>	10%~80% non-condensing
<b>Storage Humidity</b>	5%~80% non-condensing

### 3. Antenna Characteristics

#### 3.1 Return Loss

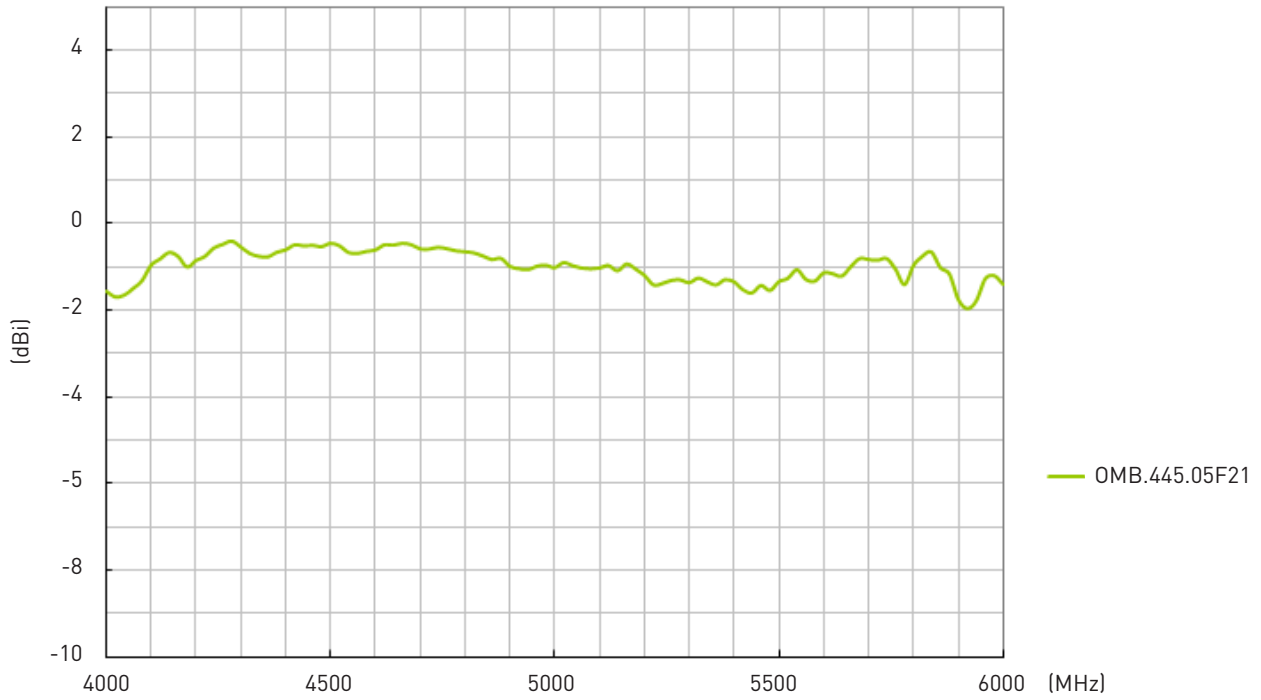


#### 3.2 Maximum Gain

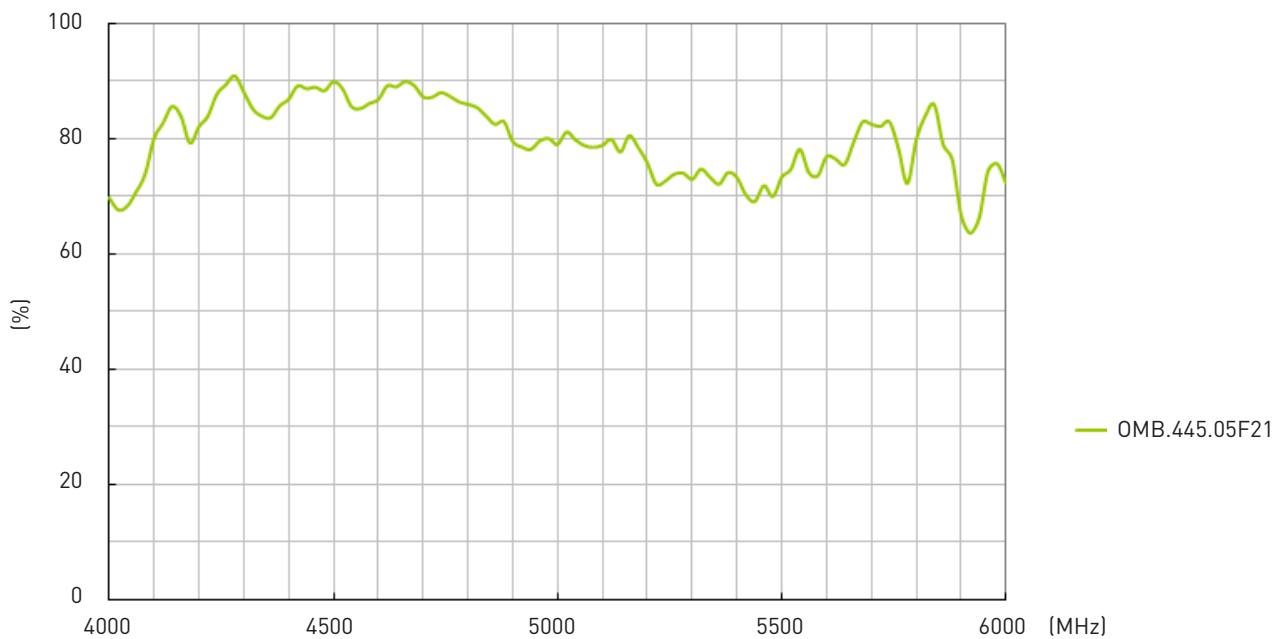


### 3. Antenna Characteristics

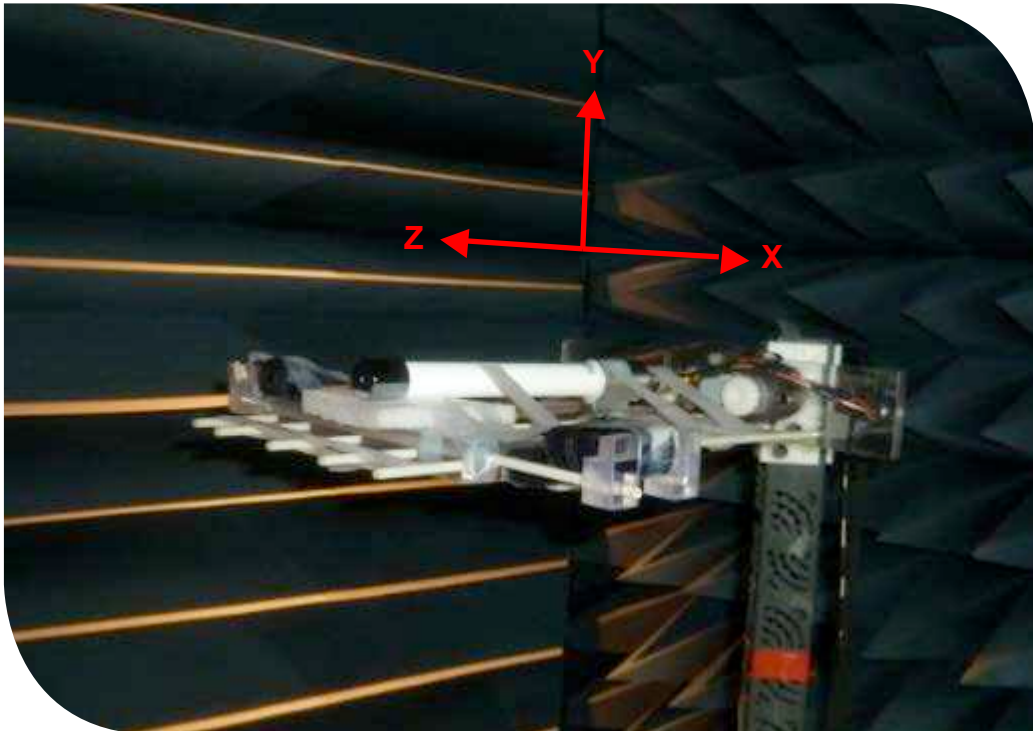
#### 3.3 Average Gain



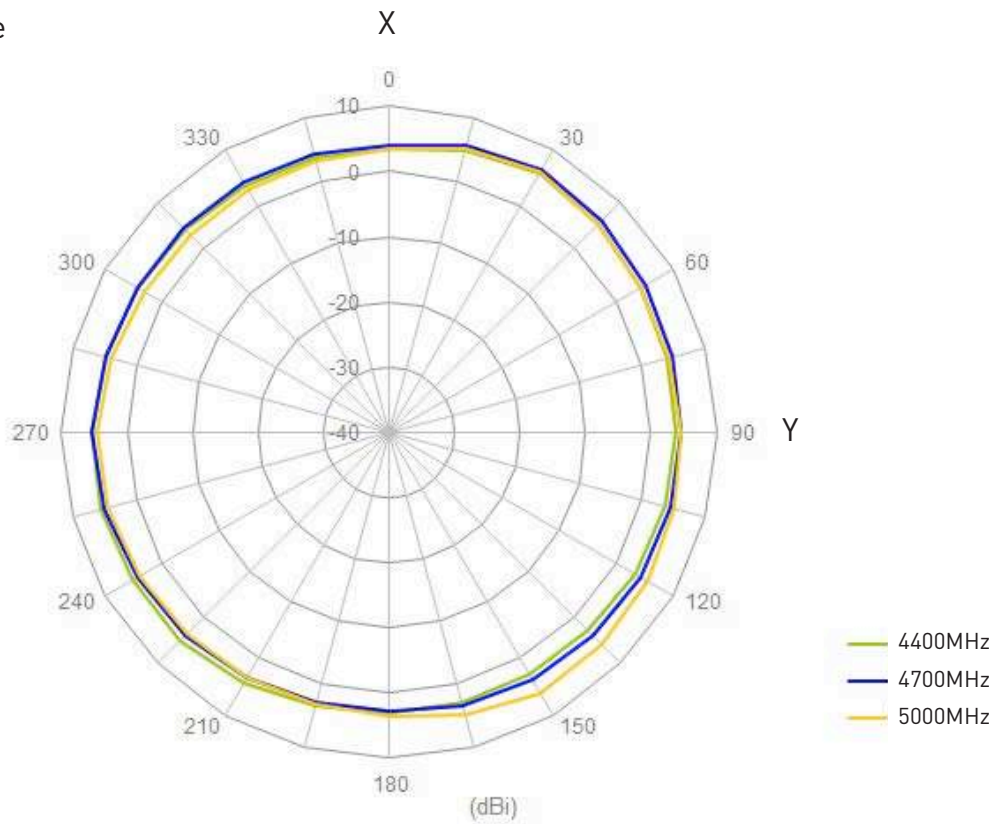
#### 3.4 Efficiency



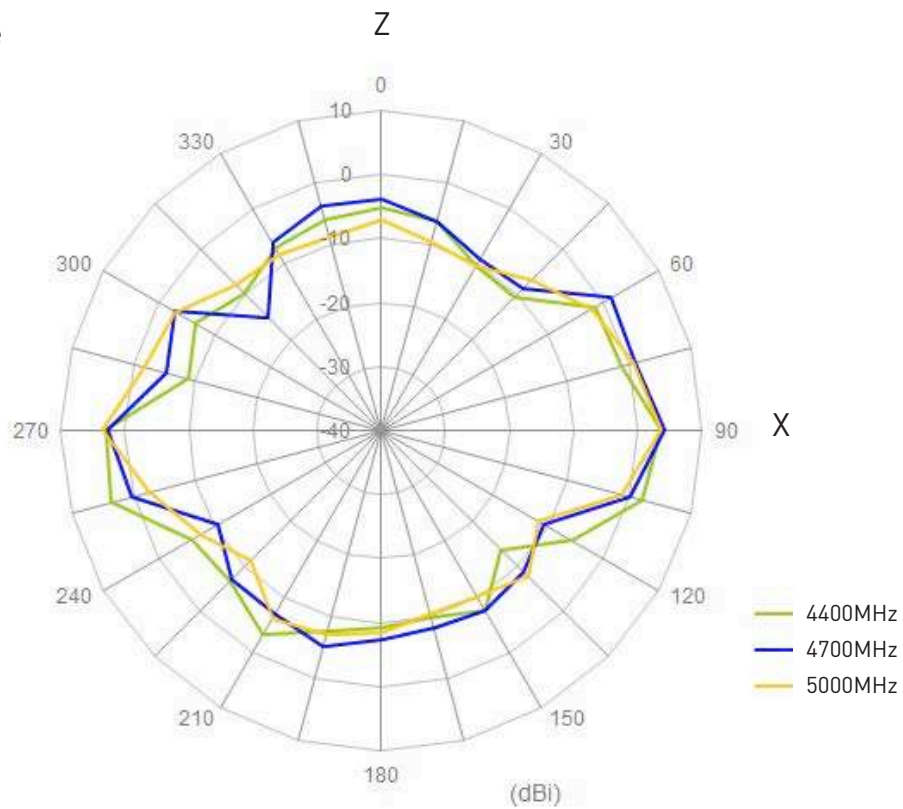
#### 4. 3D Radiation Property



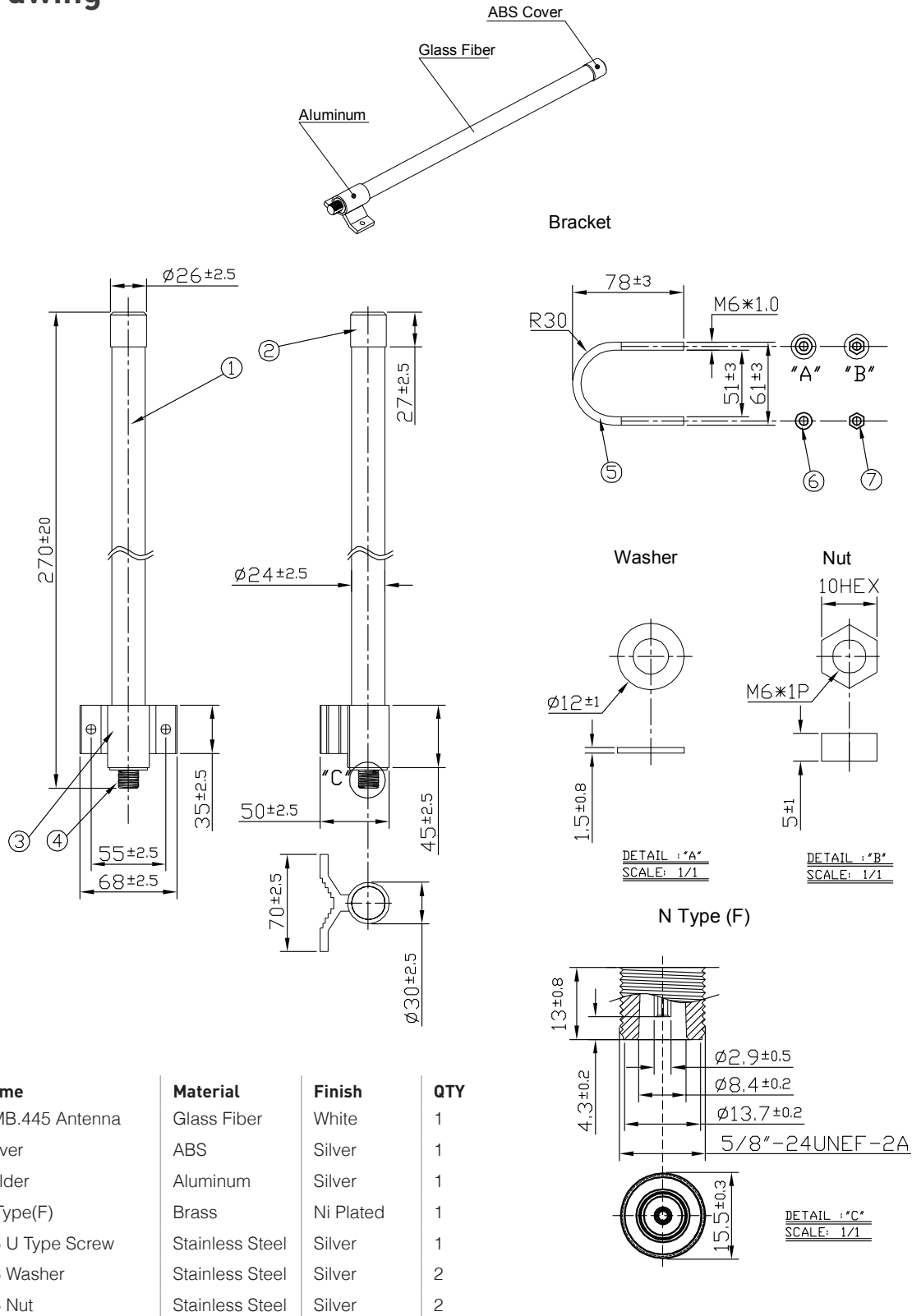
XY Plane



XZ Plane



## 5. Drawing

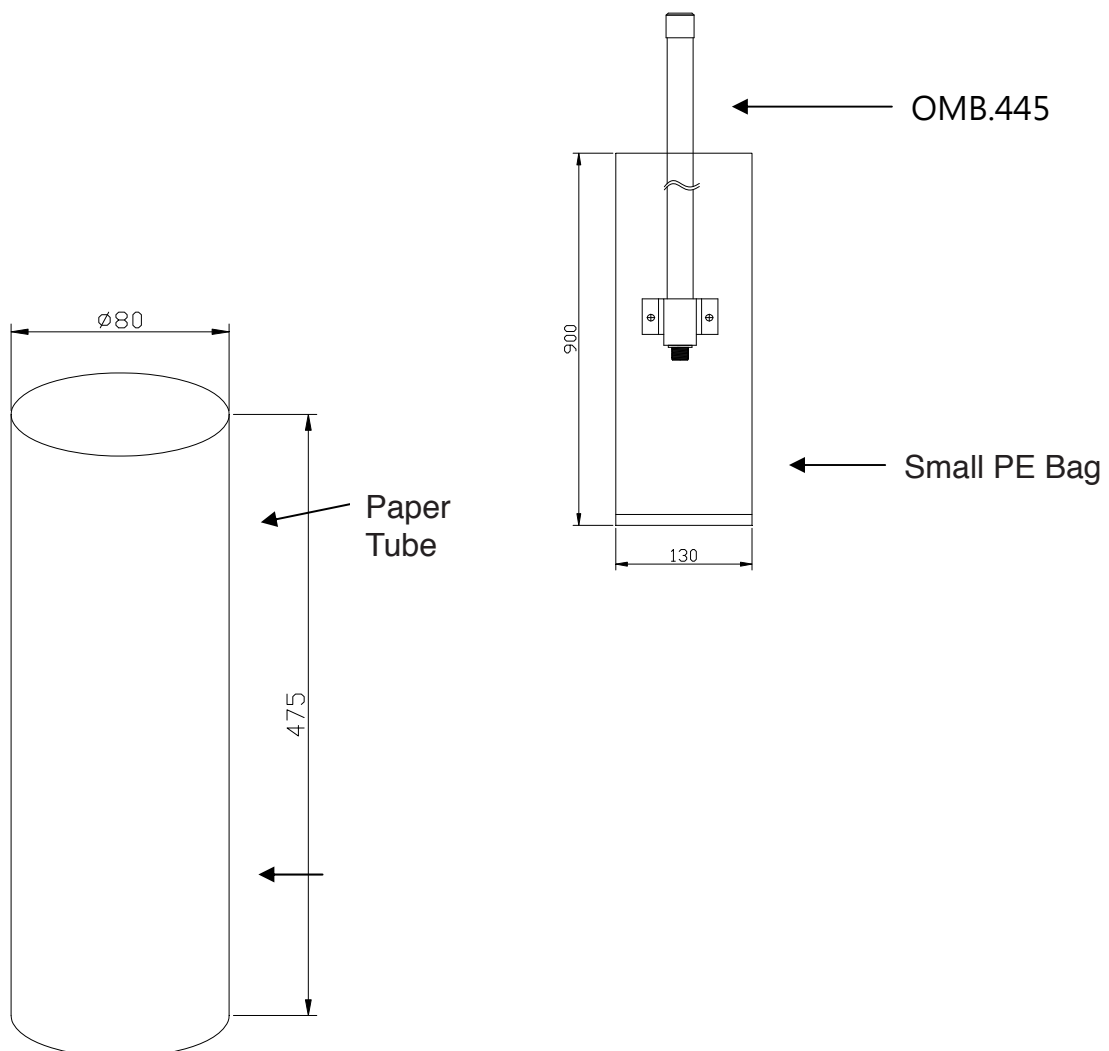




## 6. Packaging

1pcs Antenna Assembly per small PE bag

1 paper tube per big PE bag.



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