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

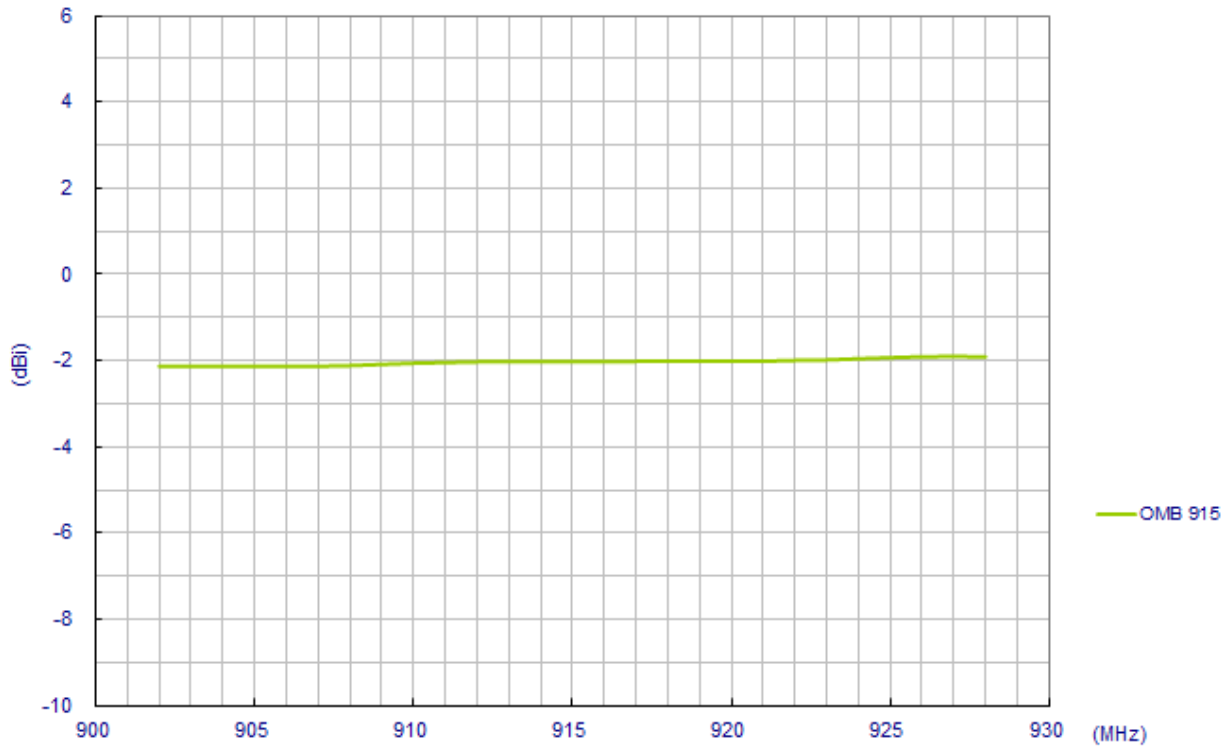| ELECTRICAL	
Standard	ISM 915
Band	902~928MHz
Antenna Type	Collinear
Gain(max)	3.5dBi
Polarization	Vertical
Impedance	50 ohms
Max Input Power	50 watts
VSWR	<1.5:1
Radiation	Omni-Directional
Vertical Bandwidth	15 Deg
Horizontal Bandwidth	360 Deg
Antenna Design	Dipole Array
Internal Material	Copper
Connector	N Type Female
MECHANICAL	
Length	1094mm(Max)
Base Diameter	70*55mm(Max)
Antenna Weight(G.W)	760g
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	-40°C to +80°C
Operating Temperature	-40°C to +60°C
Operating Humidity	10%~90% non-condensing
Storage Humidity	5%~90% non-condensing

3. Antenna Characteristics

3.1 Return Loss
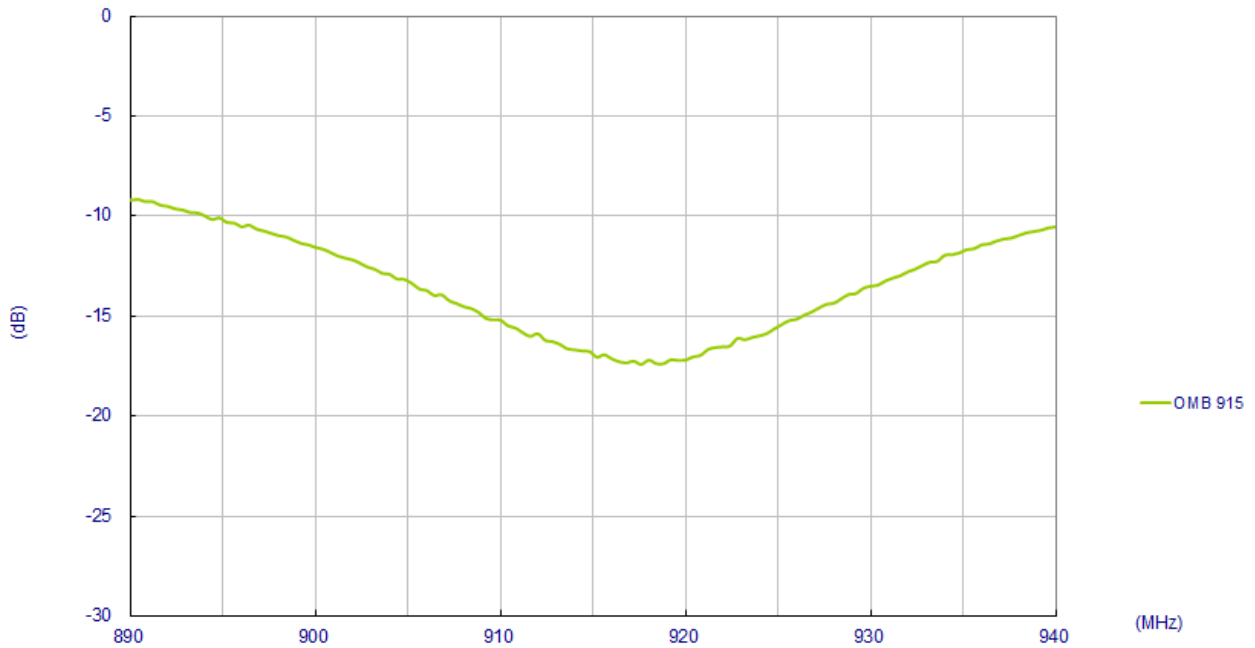
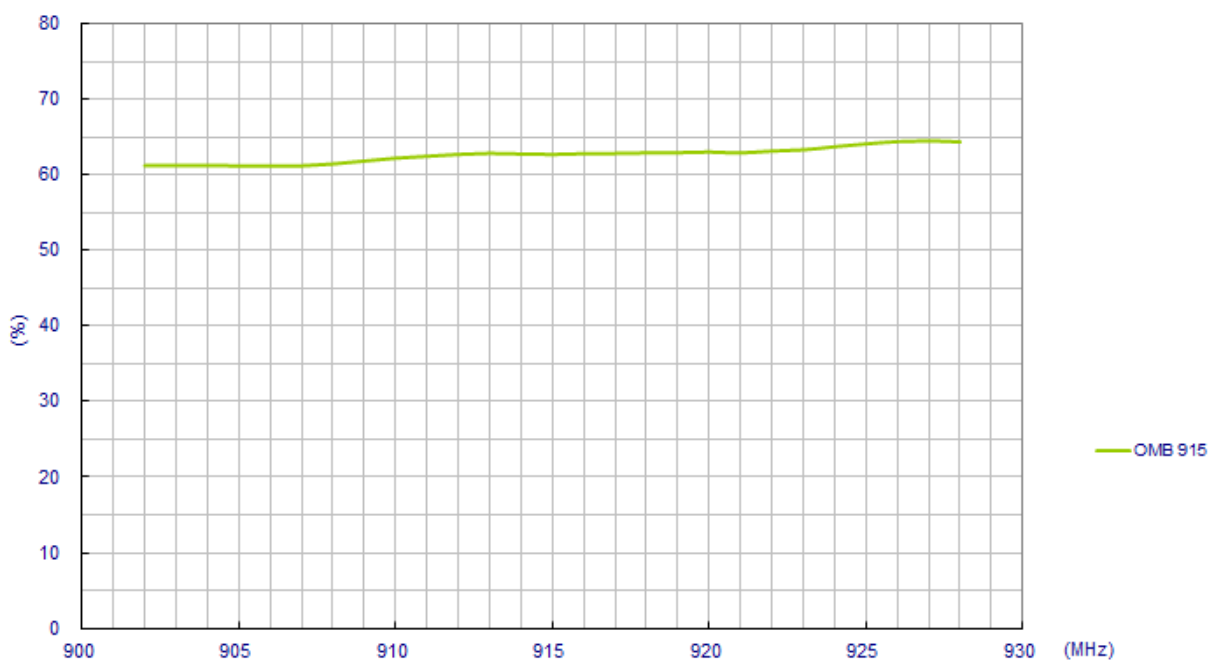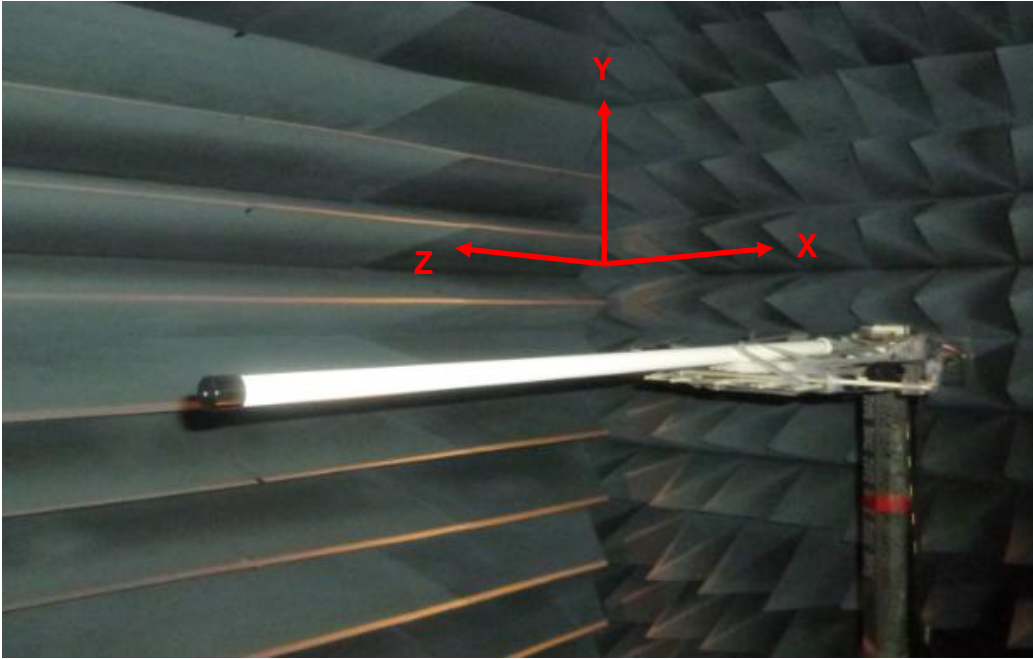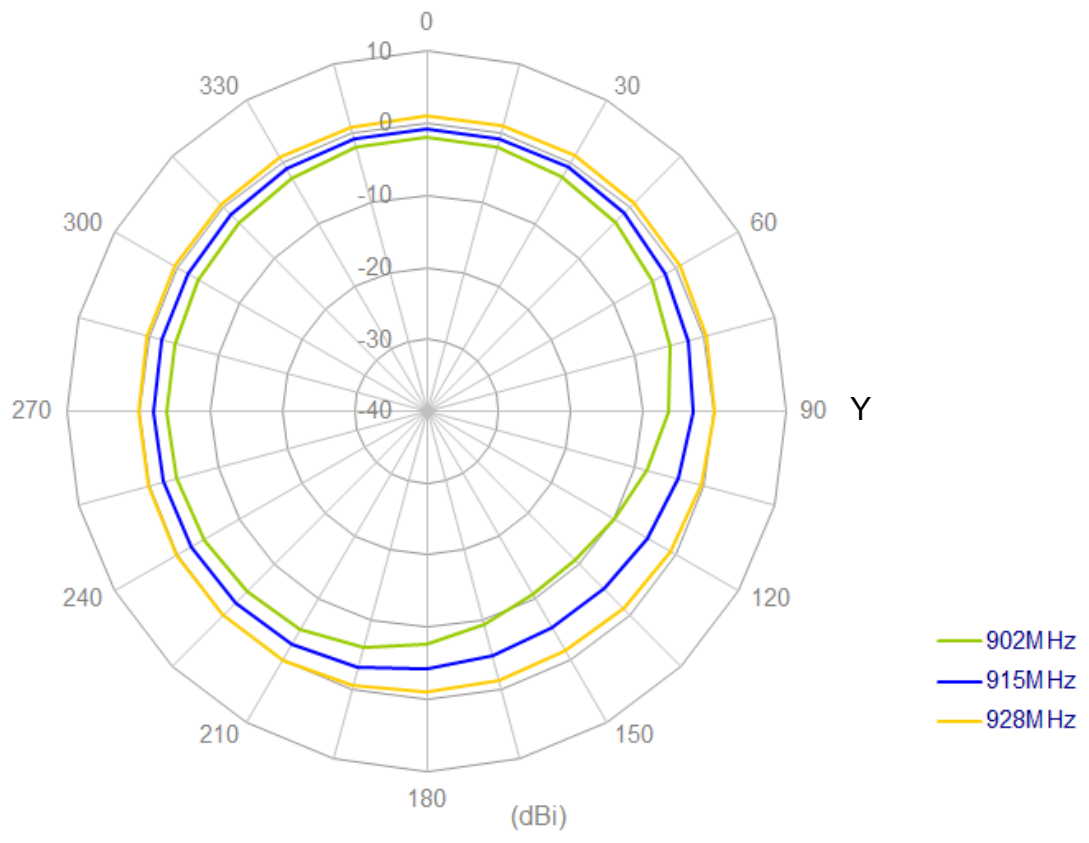## 3.2 Maximum Gain
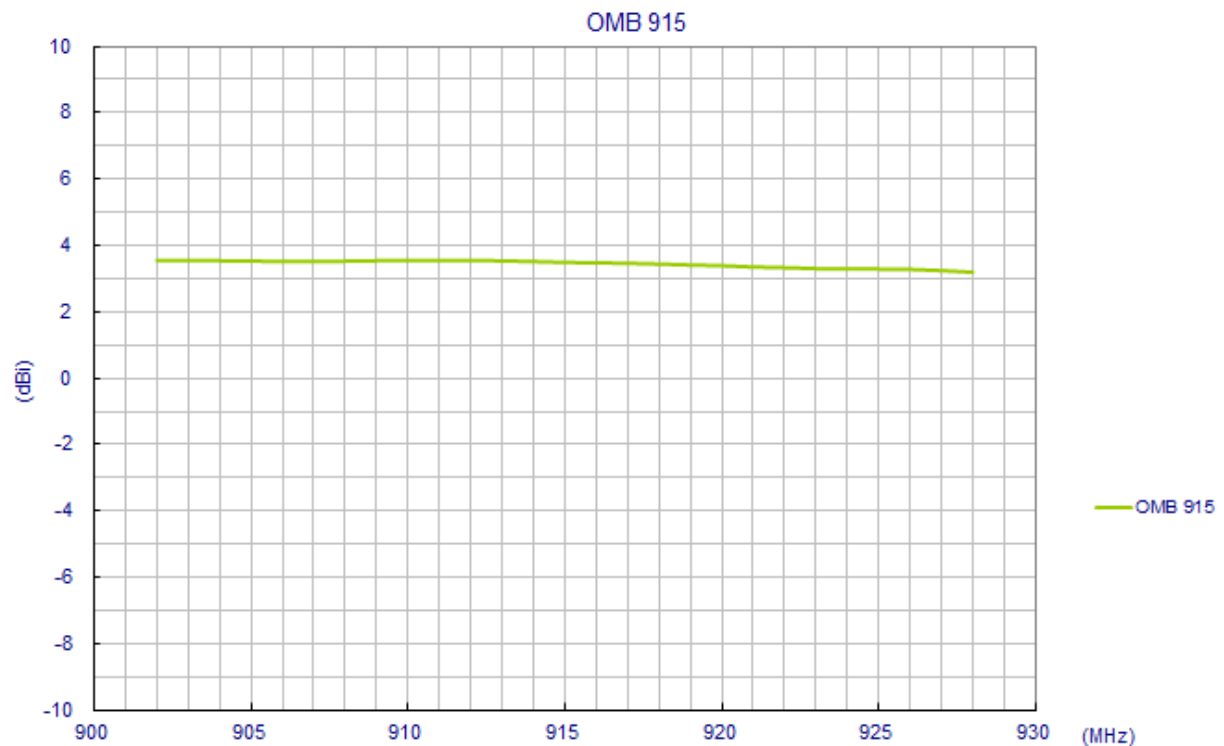
3.3 Average Gain

3.4 Efficiency

4.3D Radiation Property

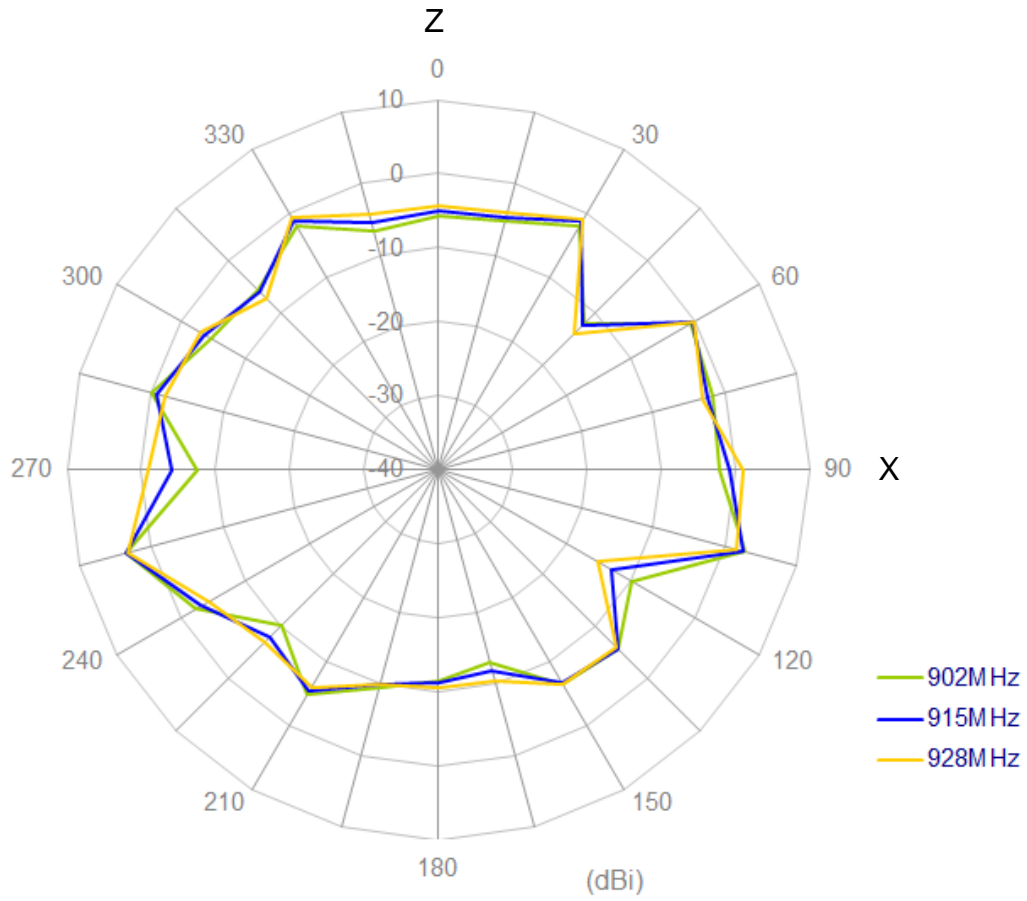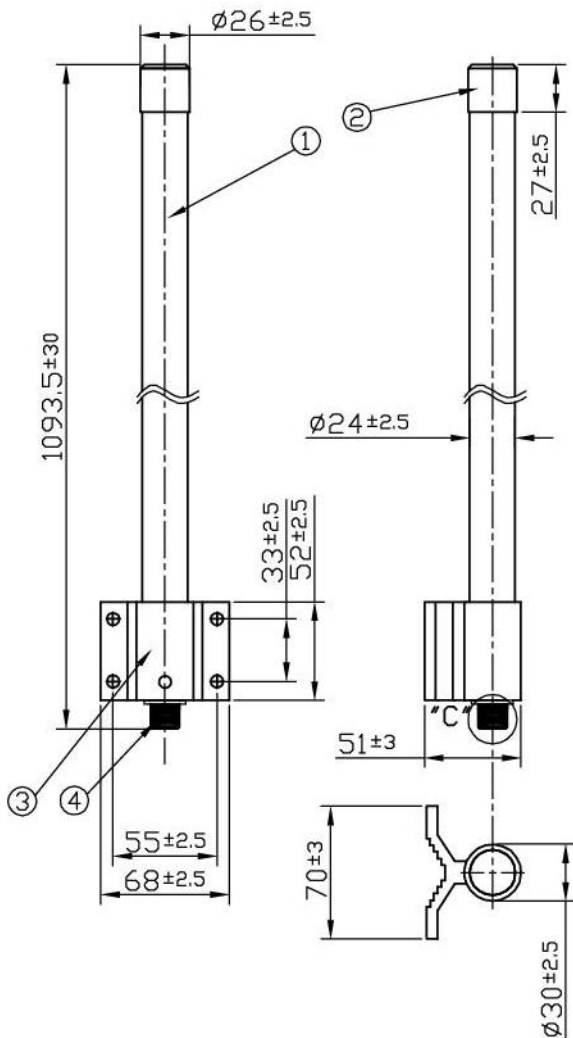X

XY-plane
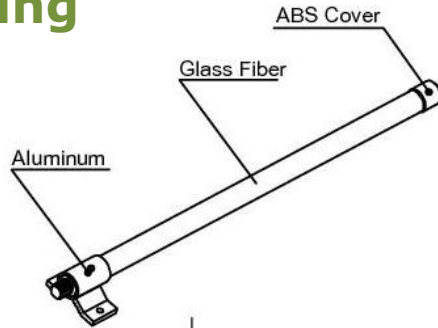
XZ-plane

5. Drawing

Aluminum

Glass Fiber

ABS Cover

Bracket

78±3
M6*1.0
R30
51±3
61±3
"A" "B"
⑤
⑥ ⑦

Ø26±2.5

① ②

27±2.5

1093.5±30

Ø24±2.5

33±2.5
52±2.5

"C"

51±3

③ ④

55±2.5
68±2.5

70±3

Ø30±2.5

Nut

10HEX.
M6*1P
5±1

DETAIL : 'B'
SCALE: 1/1

Washer

Ø12±1
1.5±0.8

DETAIL : 'A'
SCALE: 1/1

N Type (F)

13±0.8
4.3±0.2
Ø2.9±0.5
Ø8.4±0.2
Ø13.7±0.2
5/8"-24UNEF-2A

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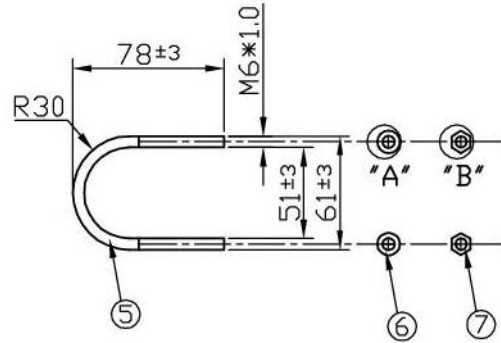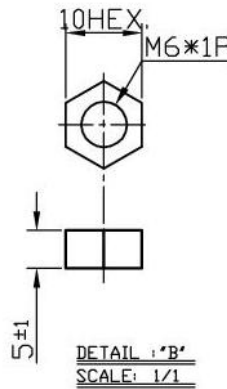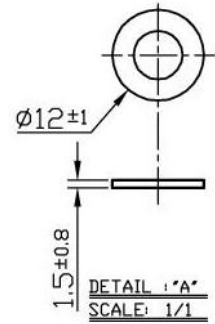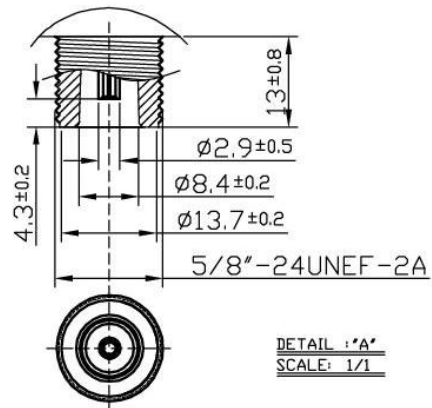
	Name	P/N	Material	Finish	QTY
1	OMB.915 Antenna	001212B020021A	Glass Fiber	White	1
2	Cover	000111K000021A	ABS	Silver	1
3	Holder	000311K000021A	Aluminum	Silver	1
4	N Type(F)	201211K000021A	Brass	Ni Plated	1
5	M6 U Type Screw	000411K000021A	Stainless Steel	Silver	2
6	M6 Washer	000411K010021A	Stainless Steel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