



**Product Name:** ISM 915Mhz Band Hinge Rotatable Terminal Antenna

**Part Number:** TA-S10B-A-S902

**Feature:**

- ISM 915MHz Band Supported
- Hinge Rotatable, 90 Degree
- Straight Length: 108mm, Diameter: 10mm
- Connector: SMA(M) Reverse Pin

**Application:**

- Air Quality Monitoring
- Smart Parking
- LoRa and Sigfox Applications

# ISM 915Mhz Band Hinge Rotatable Terminal Antenna

**MODEL: TA-S10B-A-S902**

WI-RD-D-210 V1.1

## I. Specifications:

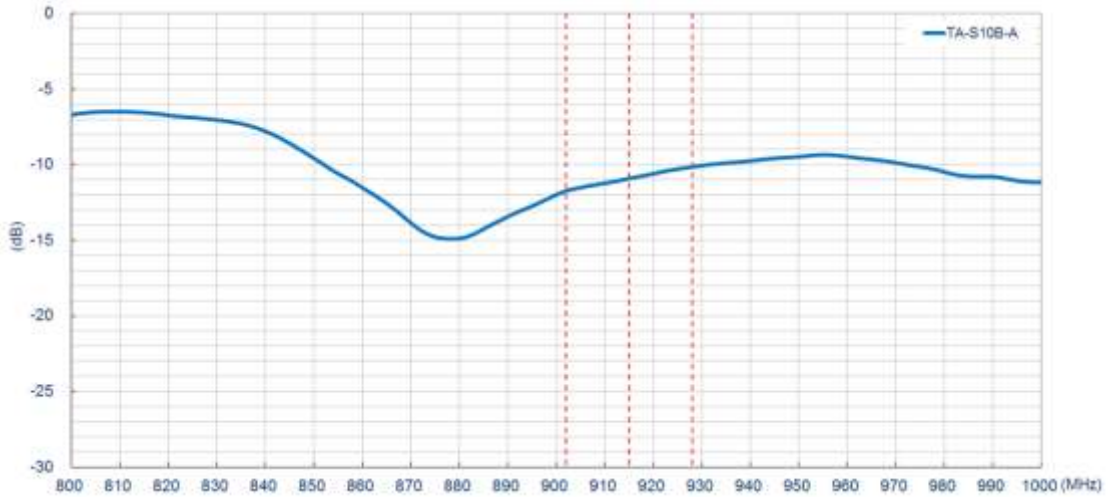
Category	WiFi Specifications		
<b>Application Band (MHz)</b>	902	915	928
<b>Efficiency(%)</b>			
TA-S10B-A-S9	71.94	80.72	88.51
<b>Average Gain(dBi)</b>			
TA-S10B-A-S9	-1.43	-0.93	-0.53
<b>Peak Gain(dBi)</b>			
TA-S10B-A-S9	3.13	4.02	4.36
<b>Return Loss (dB)</b>	< -10		
<b>V.S.W.R</b>	< 2:1		
<b>Test Condition</b>	With GND: 210 x 125 mm		
<b>Polarization</b>	Linear		
<b>Impedance</b>	50 Ω		
<b>Mechanical Specifications</b>			
<b>Dimension</b>	L:108 mm, Diameter: 10 mm		
<b>Antenna Cover</b>	TPU Black		
<b>Connector</b>	SMA(M) Reverse Pin		
<b>Environmental Specifications</b>			
<b>Operating Temperature</b>	-40~+85℃		
<b>Storage Temperature</b>	-40~+85℃		

**\*Test Condition: 210 x 125 mm (Ground Plane Dimension)**

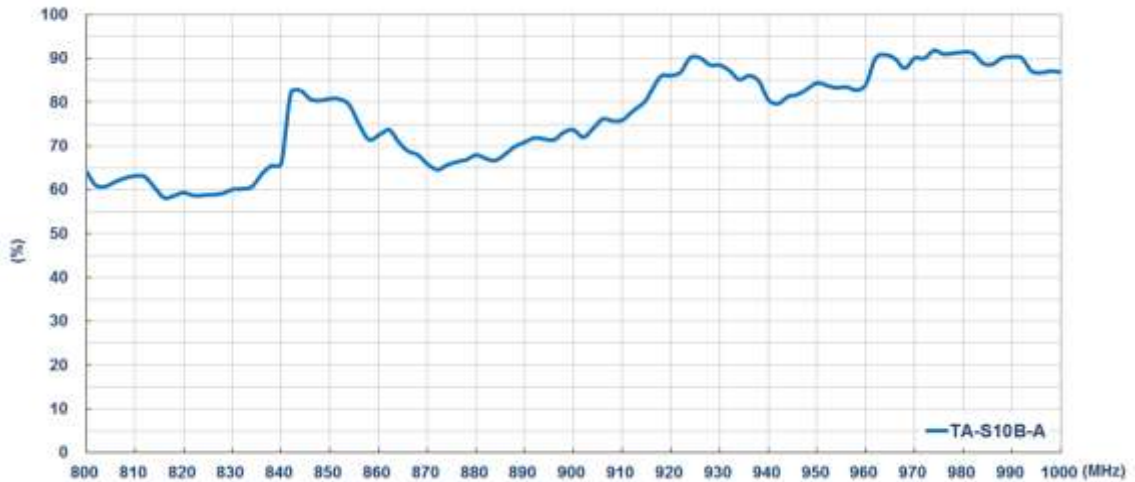
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## II. Antenna Technical Parameters:

S-parameters:

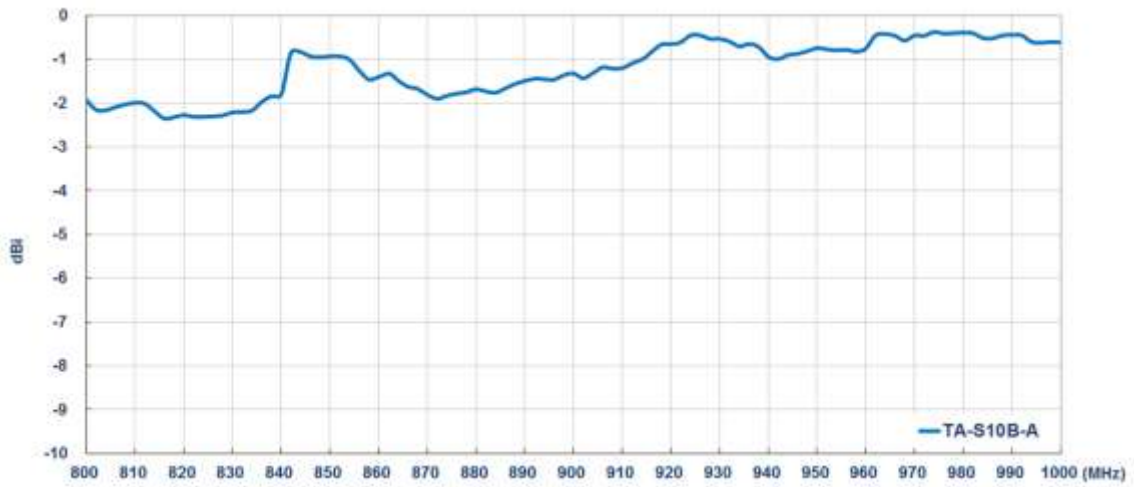


Efficiency:



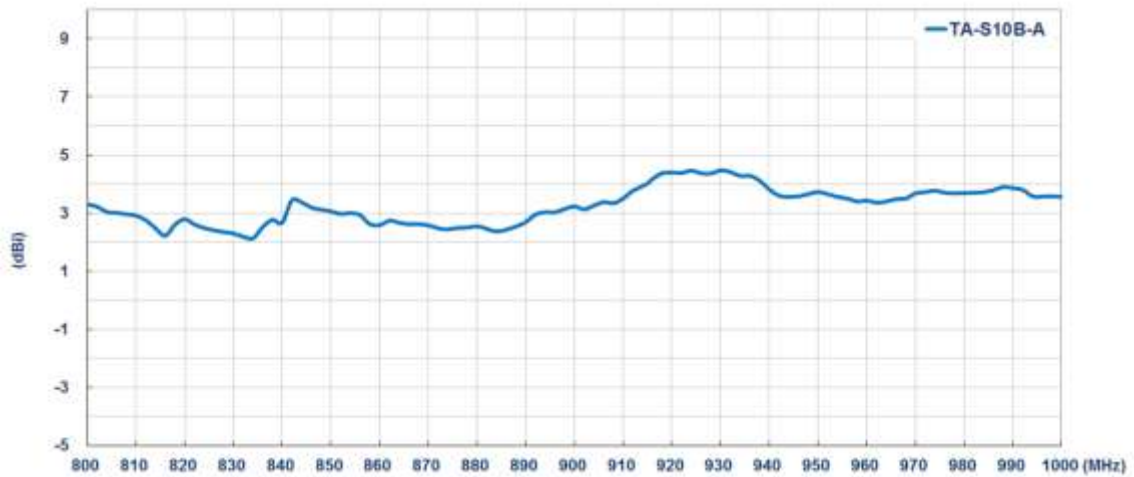
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Average Gain:

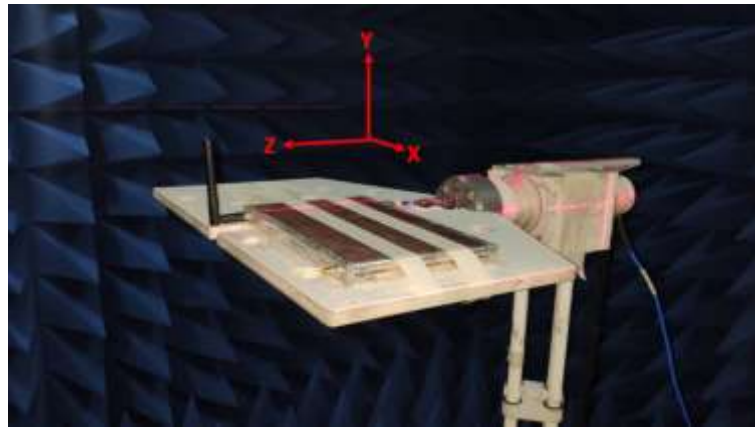


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Peak Gain:

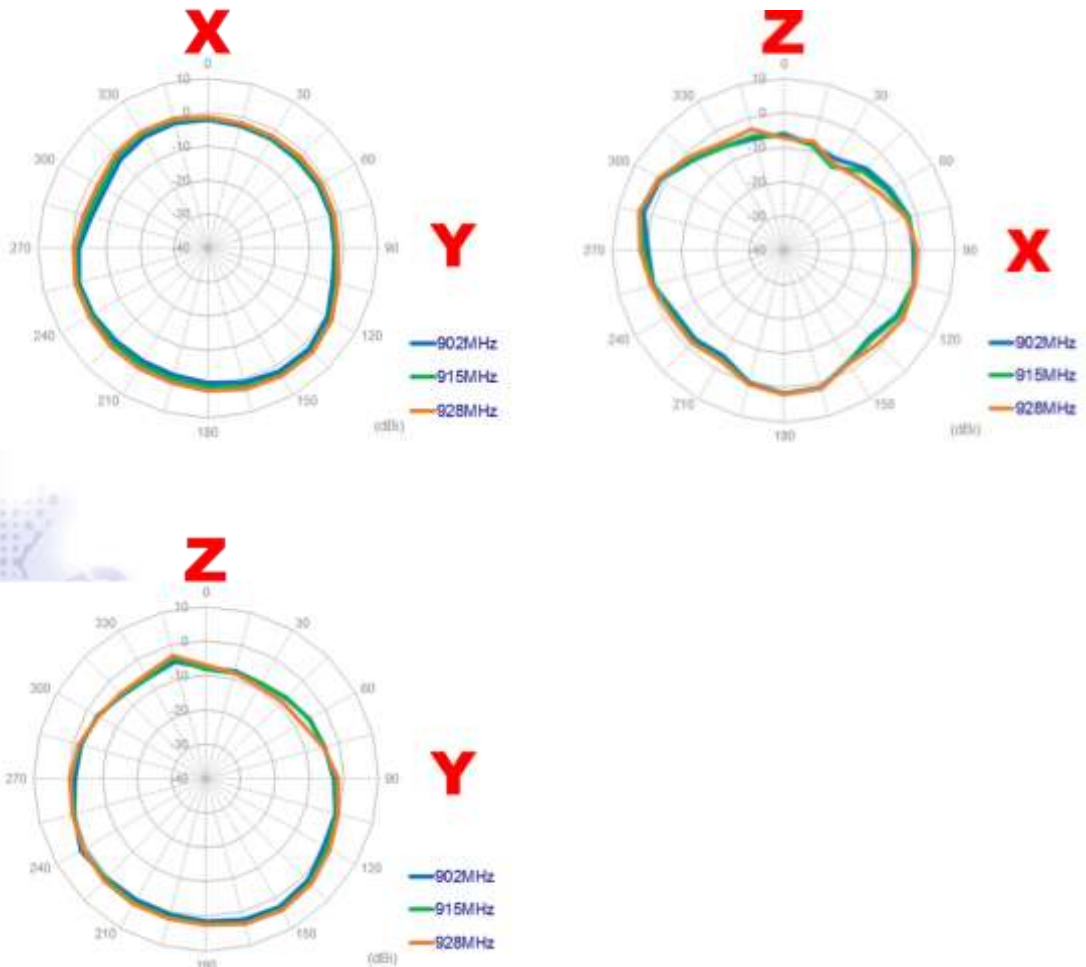


### III. Antenna Radiation Pattern Measurement:



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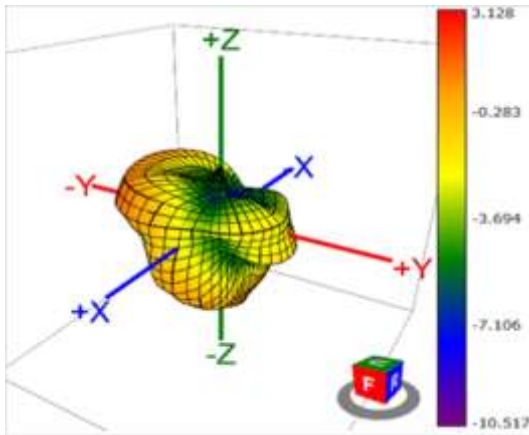
2D Radiation Pattern



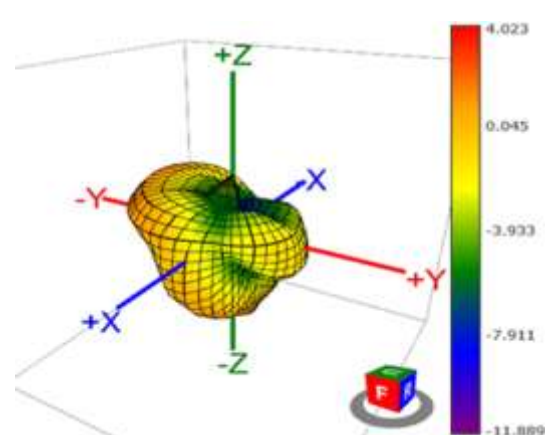


### 3D Radiation Pattern

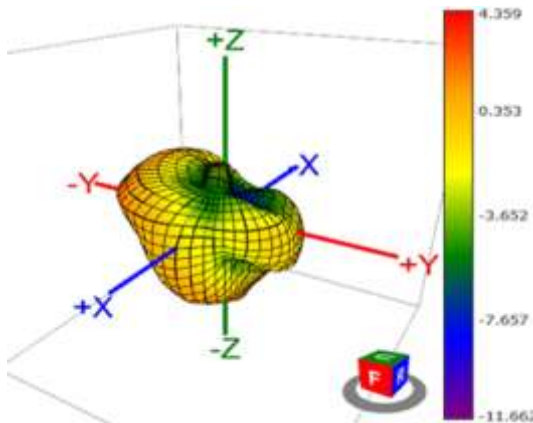
902 MHz



915 MHz



928 MHz



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### IV. Mechanical Drawing (Unit:mm):

