



Product Name: ISM 915MHz Band Hinge Rotatable Terminal Antenna

Part Number: TA-S10B-A-S901

Features:

- Support ISM 915MHz Band
- Hinge Rotatable, 90 Degree
- Straight Length: 108mm, Diameter: 10mm
- Connector: SMA(M)
- RoHS & REACH Compliant

Applications:

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

ISM 915MHz Band, Hinge Rotatable Terminal Antenna

MODEL: TA-S10B-A-S901

Rev.A

I. Specifications:

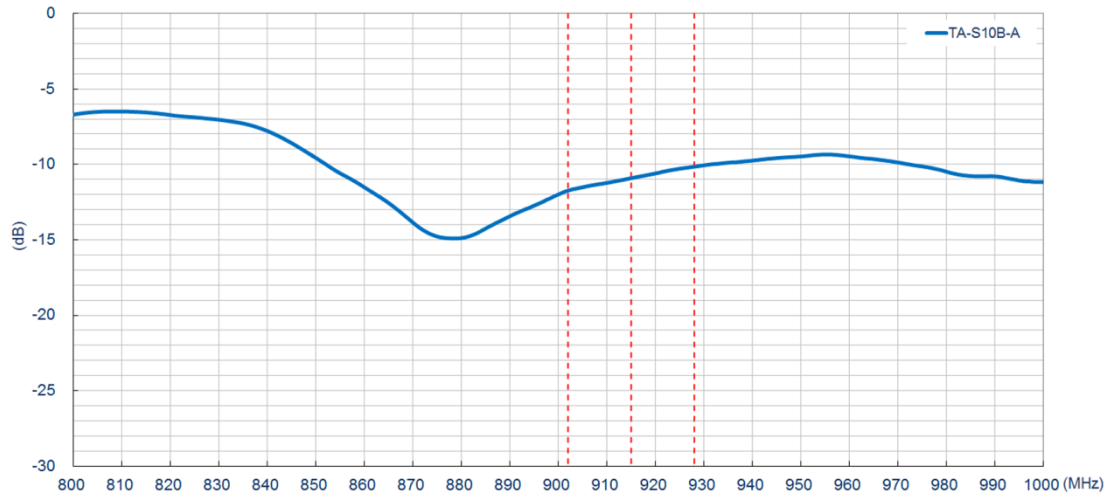
Items	Specifications			
Application Bands (MHz)	902	915	923	928
Efficiency (%)	71.94	80.72	88.51	88.51
Average Gain (dBi)	-1.43	-0.93	-0.53	-0.53
Peak Gain (dBi)*	3.13	4.02	4.42	4.36
Return Loss (dB)	< -10			
V.S.W.R	< 2:1			
Test Condition	With GND: 210 x 125 mm			
Polarization	Linear			
Impedance (Ω)	50			
Mechanical Specifications				
Dimension	L:108 mm, Diameter: 10 mm			
Antenna Cover	TPU Black			
Connector	SMA(M)			
Environmental Specifications				
Operating Temperature (°C)	-40 ~ +85			
Storage Temperature (°C)	-40 ~ +85			

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

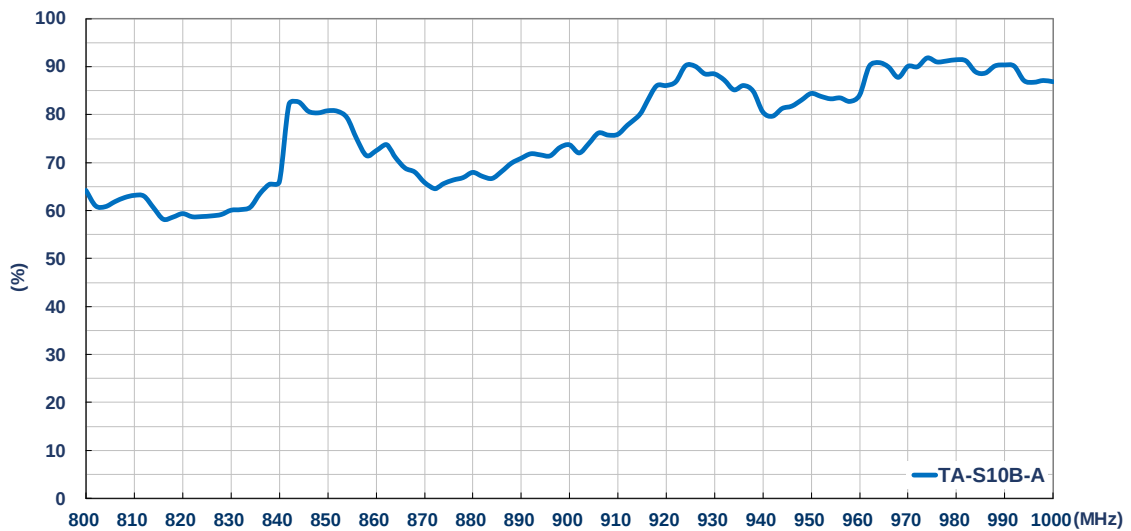
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All specifications subject to change without notice.

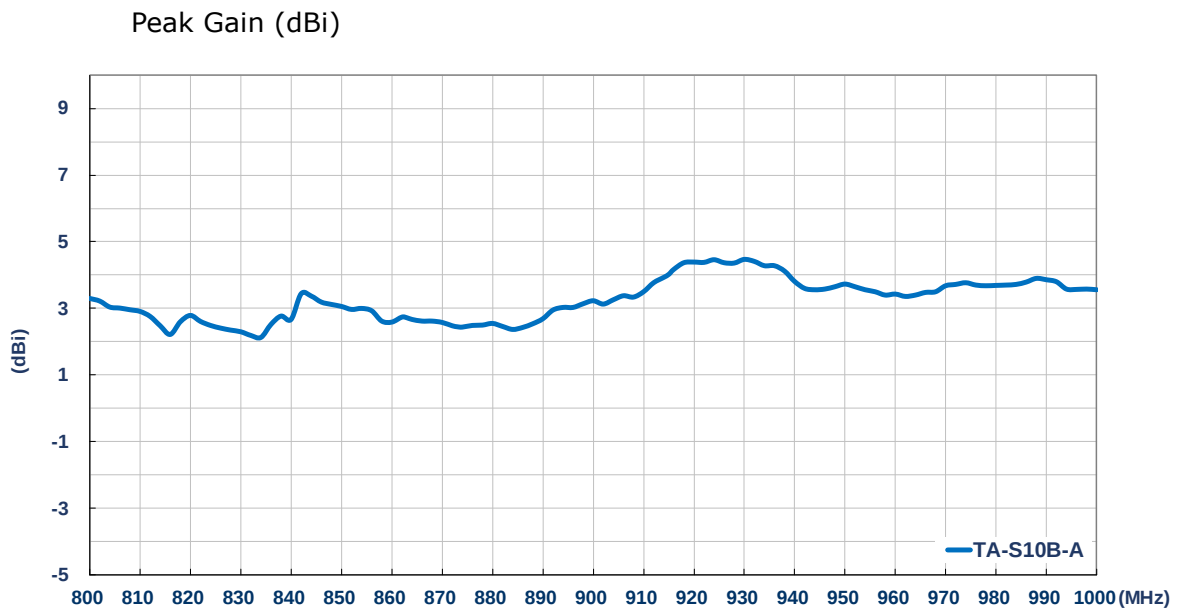
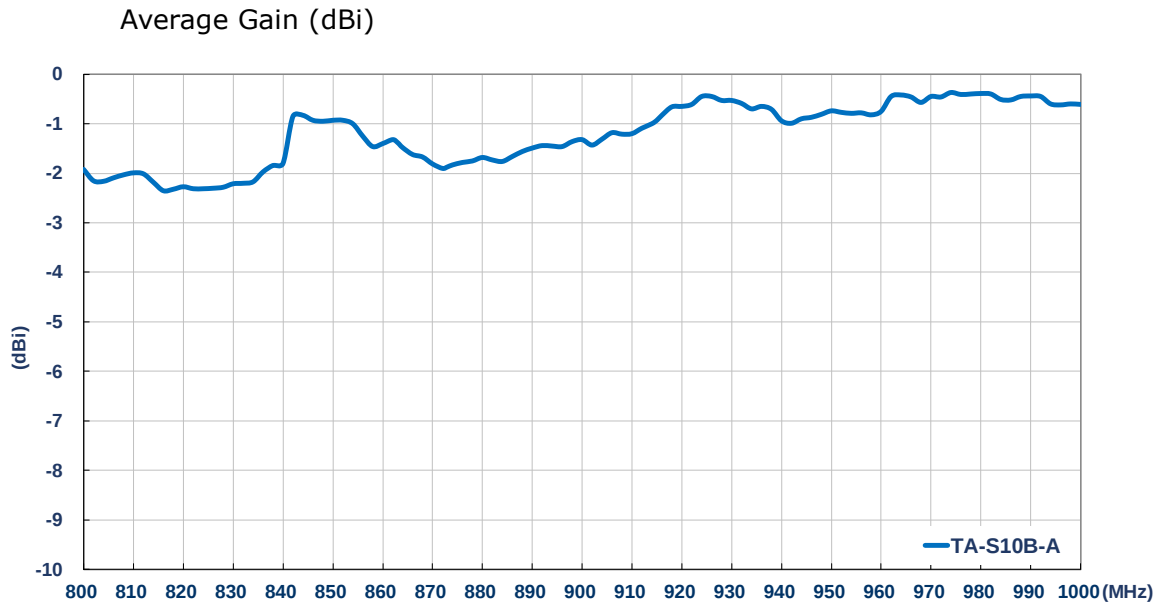
II. Antenna Technical Parameters:

S11 (dB)



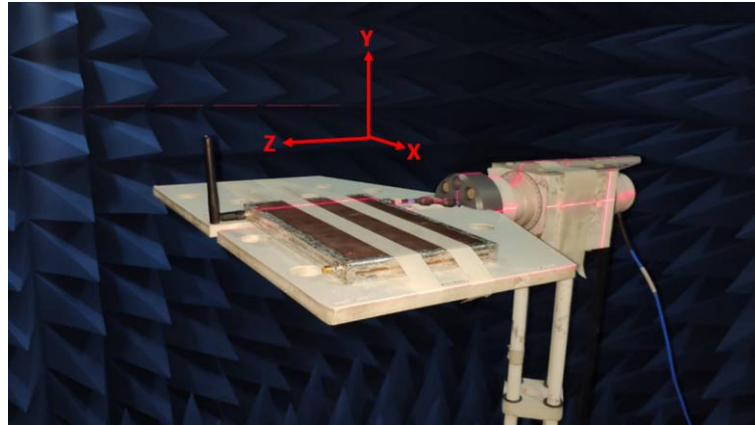
Efficiency (%)





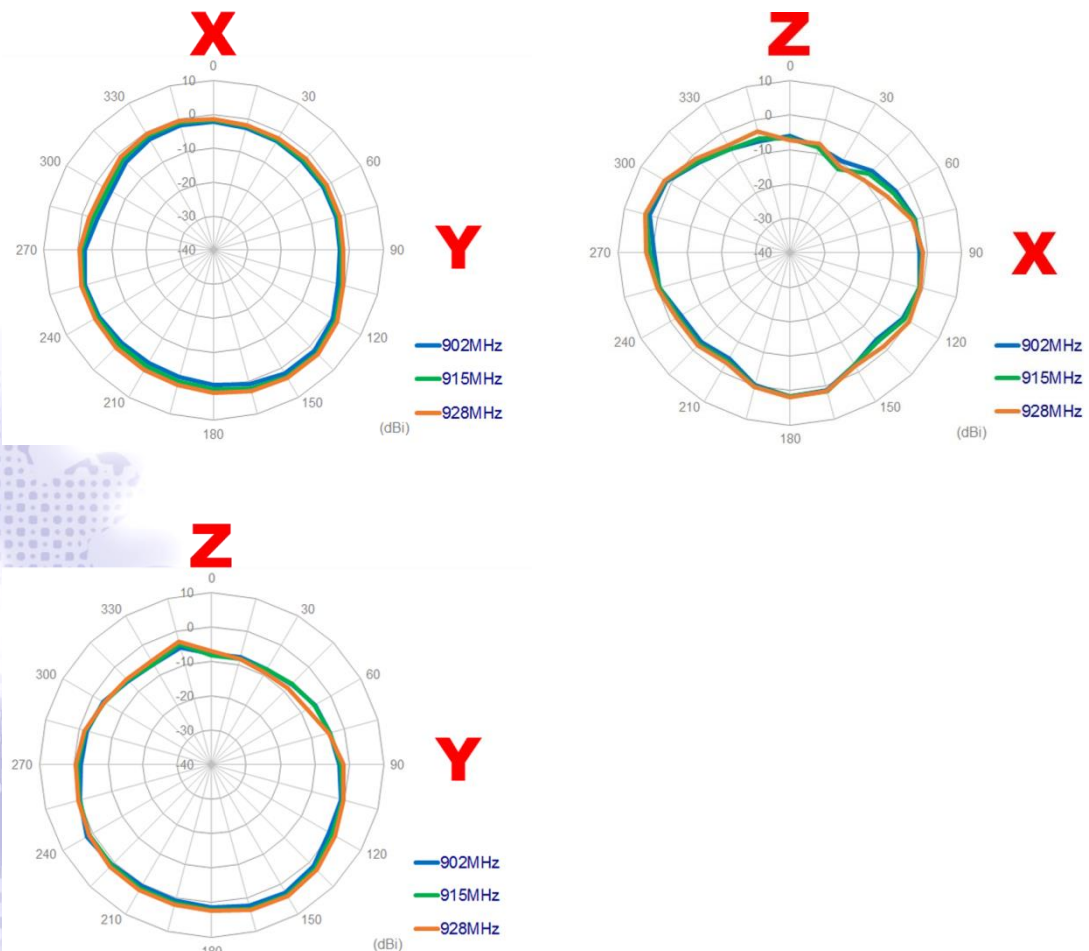
III. Antenna Radiation Pattern Measurement:

The antenna radiation patterns are measured in 3D Anechoic Chamber.
The measurement setup is as show below,



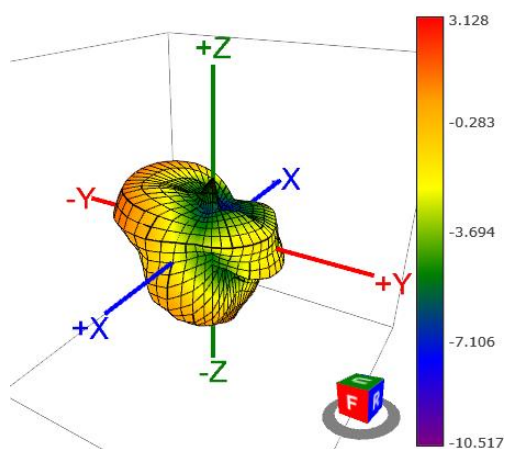
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A) 2D Radiation Pattern:

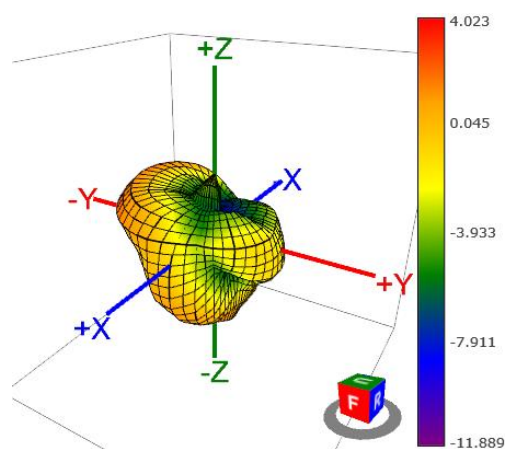


B) 3D Radiation Pattern:

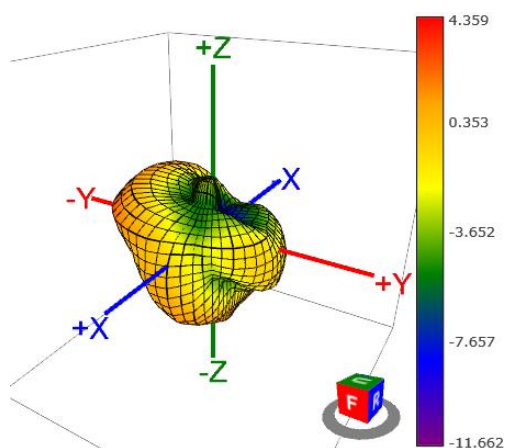
902 MHz



915 MHz



928 MHz



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IV. Mechanical Drawing (Unit:mm):

