



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)

Applications:

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

ISM 915Mhz Band, Hinge Rotatable Terminal Antenna

MODEL: TA-S10B-A-S901

WI-RD-D-209 V1.2

I. Specifications:

Items	Specifications		
Application Bands (MHz)	902	915	928
Efficiency (%)	71.94	80.72	88.51
Average Gain (dBi)	-1.43	-0.93	-0.53
Typical Peak Gain (dBi)	2.15	2.15	2.15
Peak Gain (dBi)*	3.13*	4.02*	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		

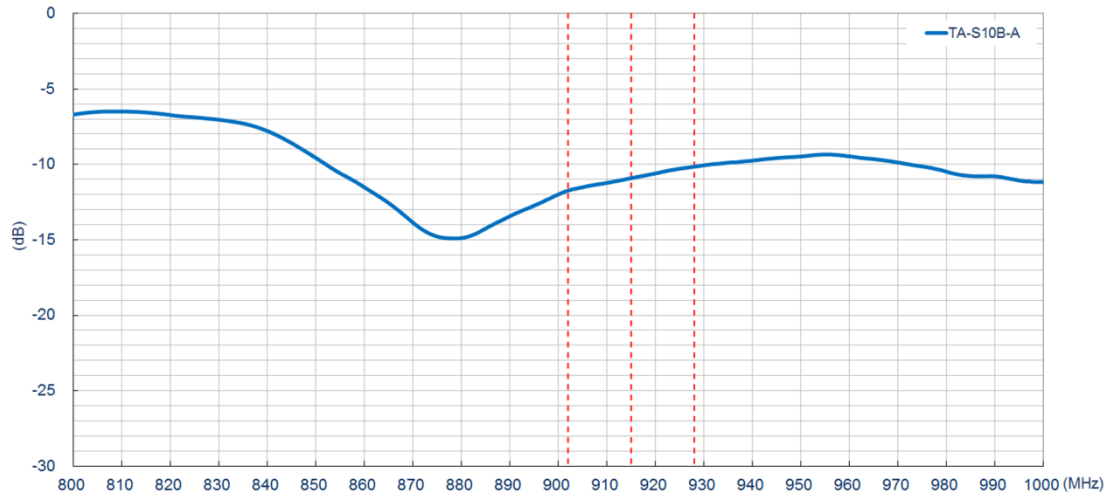
***Test Condition: 210 x 125 mm (Ground Plane Dimension)**

***Typical Peak Gain is base on only antenna itself with any ground plane.**

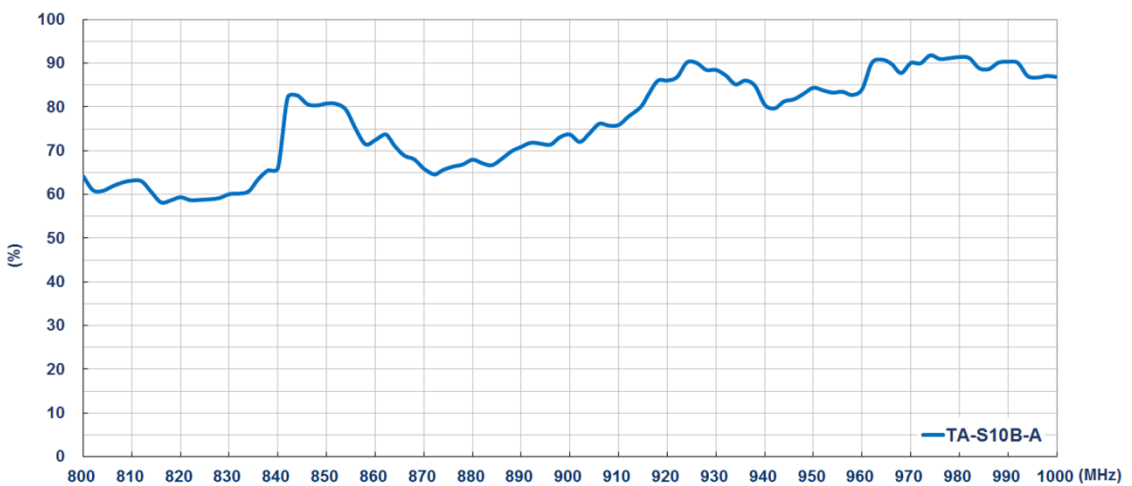
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II. Antenna Technical Parameters:

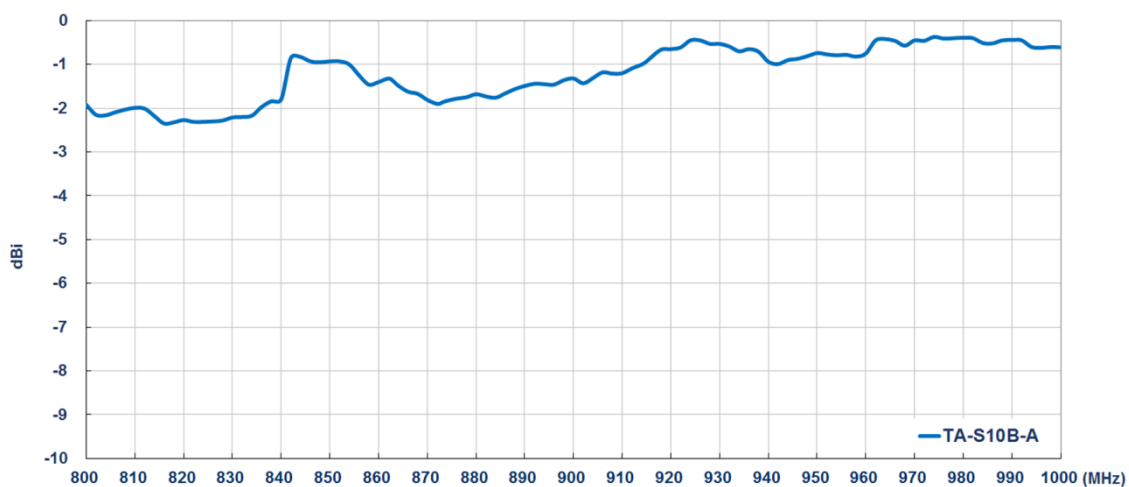
S11 (dB)



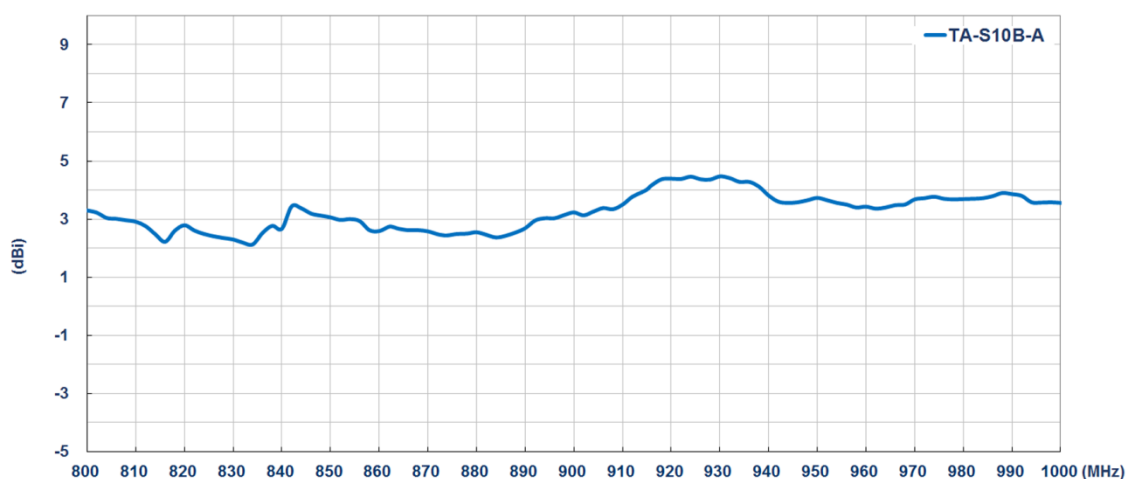
Efficiency (%)



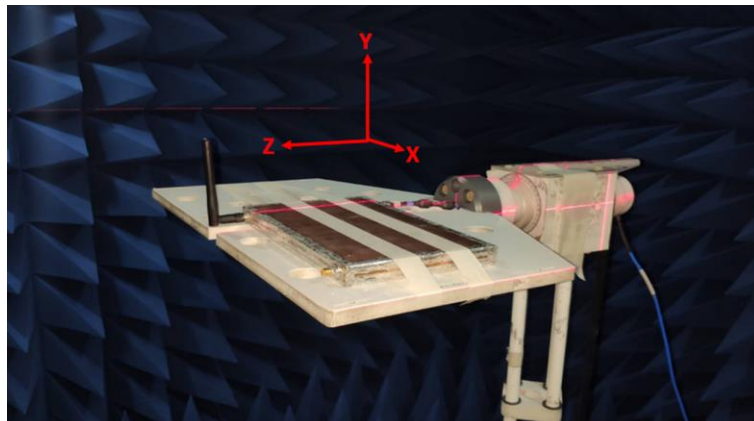
Average Gain (dBi)



Peak Gain (dBi)

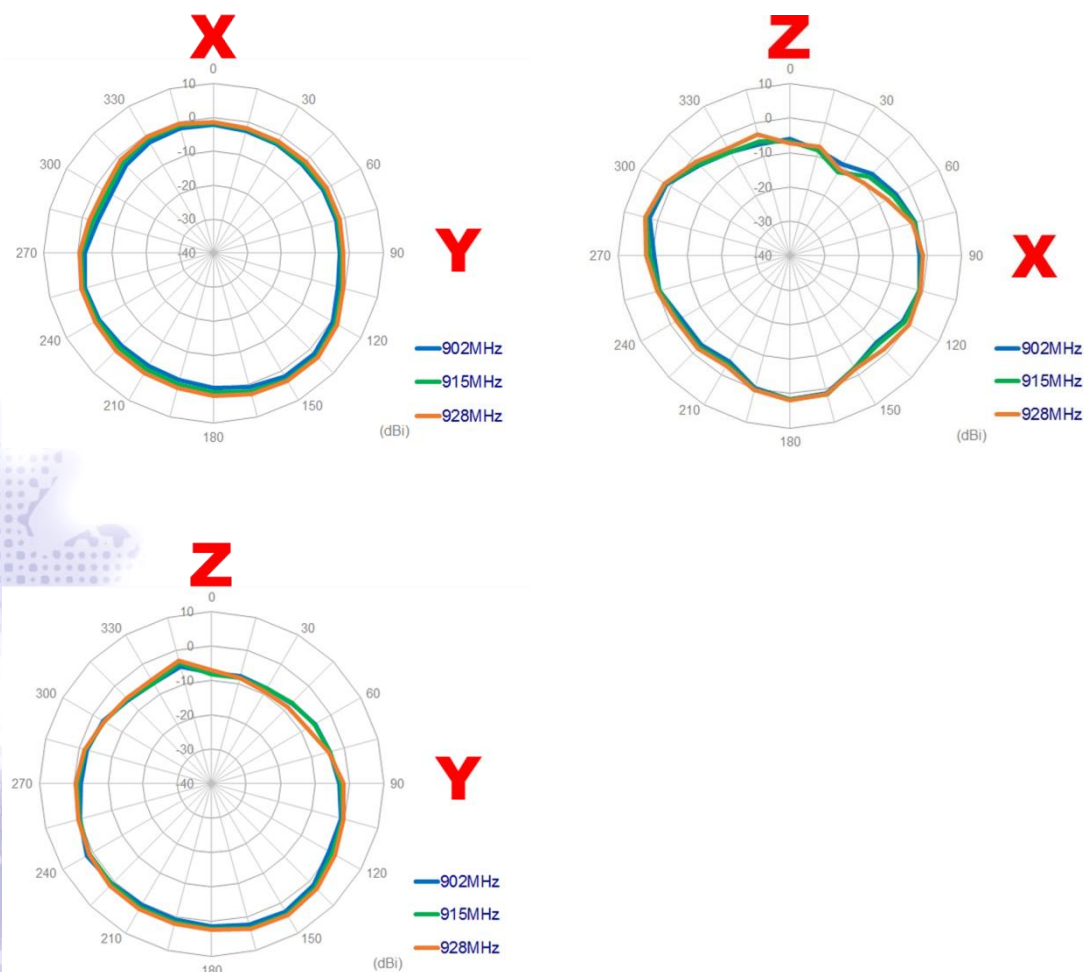


III. Antenna Radiation Pattern Measurement:



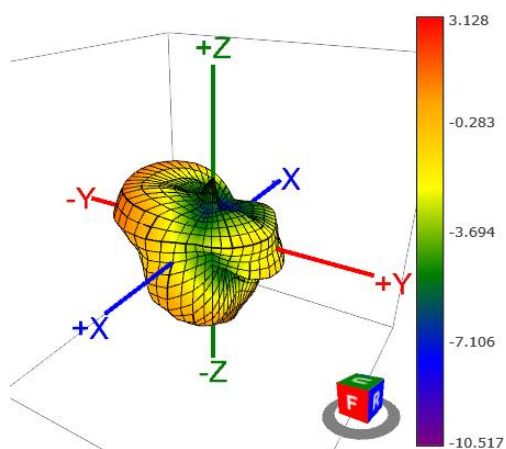
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A) 2D Radiation Pattern:

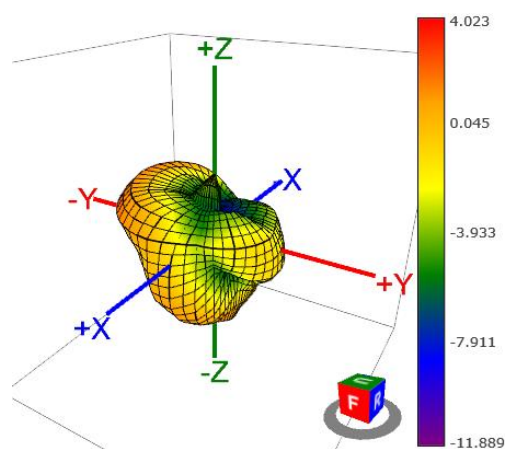


B) 3D Radiation Pattern:

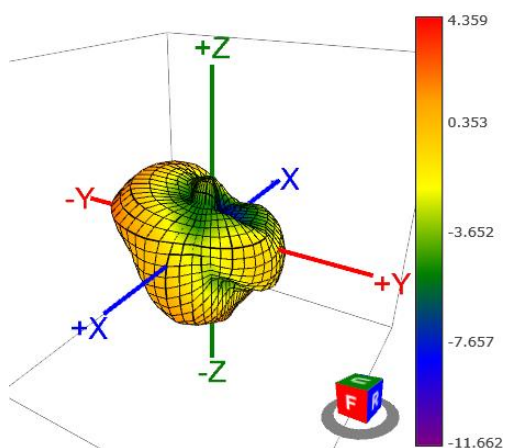
902 MHz



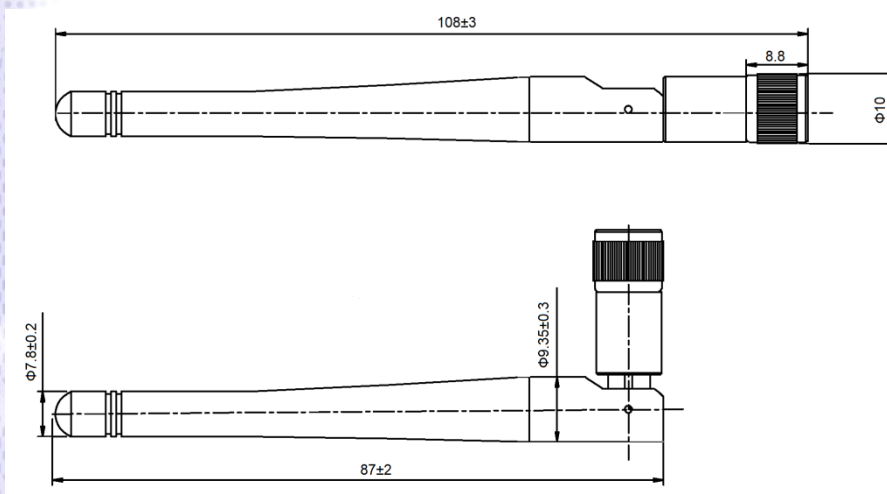
915 MHz



928 MHz



IV. Mechanical Drawing (Unit:mm):



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