

ANT11000056

Wi-Fi hinge rotatable antenna



Product Name: WiFi Hinge Rotatable Terminal

Antenna **Part Number:** 4101-00000006-001

Features:

- Support WiFi Dual Bands 2.4/5.8GHz
- 90 Degree Hinged Connector
- Straight Length: 170 mm
- Connector: SMA(M) Reverse Pin
- RoHS & REACH Compliant

Applications:

- Wireless LAN Application
- IoT Device Application
- Smart Community Application
- Apply for Bluetooth and Wireless LAN Device

WiFi Hinge Rotatable Terminal Antenna

Rev.A

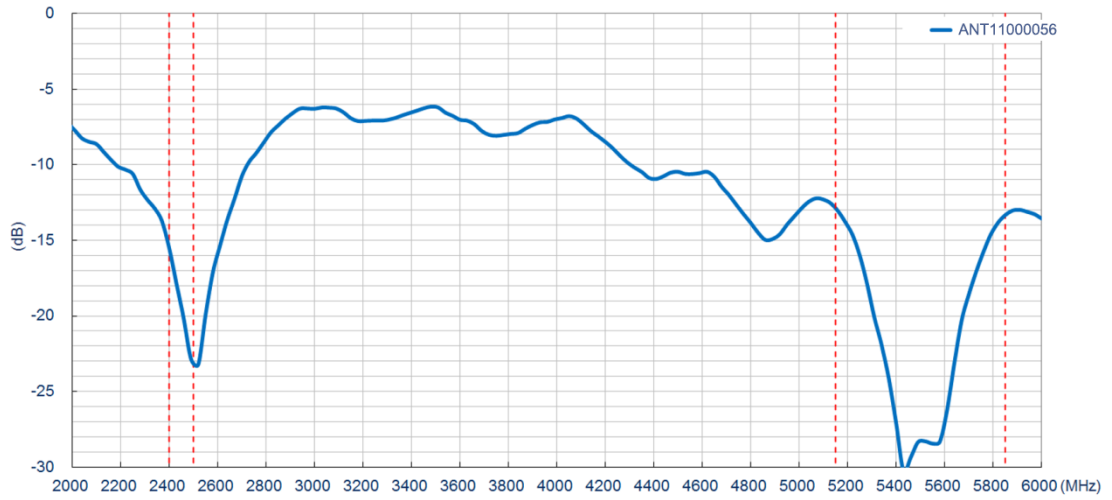
I. Specifications:

Items	WiFi Specifications						
Frequencies (MHz)	2400	2450	2500	5150	5350	5725	5850
Efficiency (%)	89.95	95.72	88.72	83.56	80.72	80.91	71.29
Average Gain (dBi)	-0.46	-0.19	-0.52	-0.78	-0.93	-0.92	-1.47
Peak Gain (dBi)	4.64	4.74	4.42	5.23	4.27	4.65	3.91
Return loss	10 dB Min.						
V.S.W.R	1.92:1 Max						
Polarization	Linear						
Impedance (Ω)	50						
Mechanical Specification							
Antenna Length	Length: 170 mm, Diameter: 10mm						
Color	Black						
Connector	SMA(M) Reverse Pin						
Operating Temperature ($^{\circ}$C)	-40 ~ +85						
Storage Temperature ($^{\circ}$C)	-40 ~ +85						

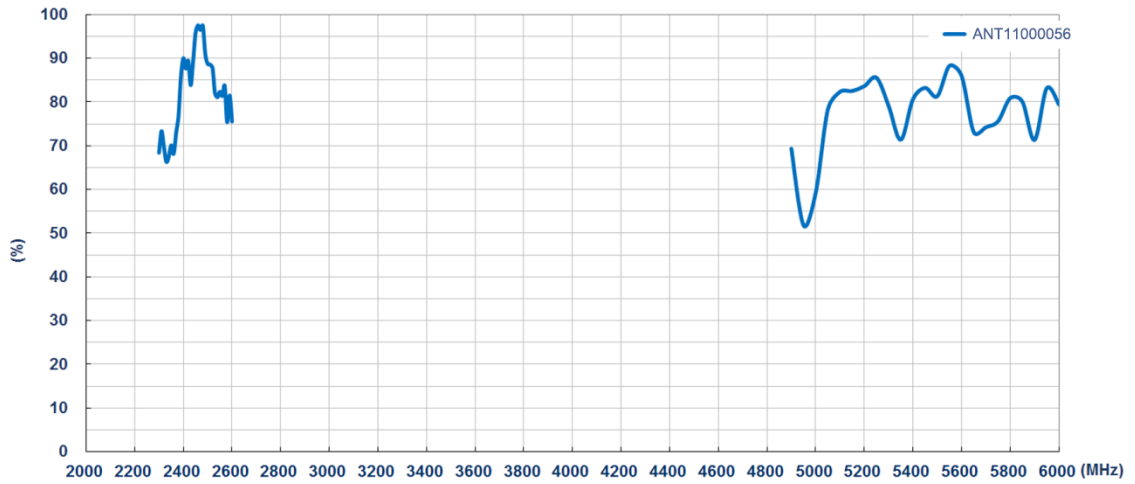
***Antenna was measured on 210*125mm Ground Plane.**

II. Antenna Technical Parameters:

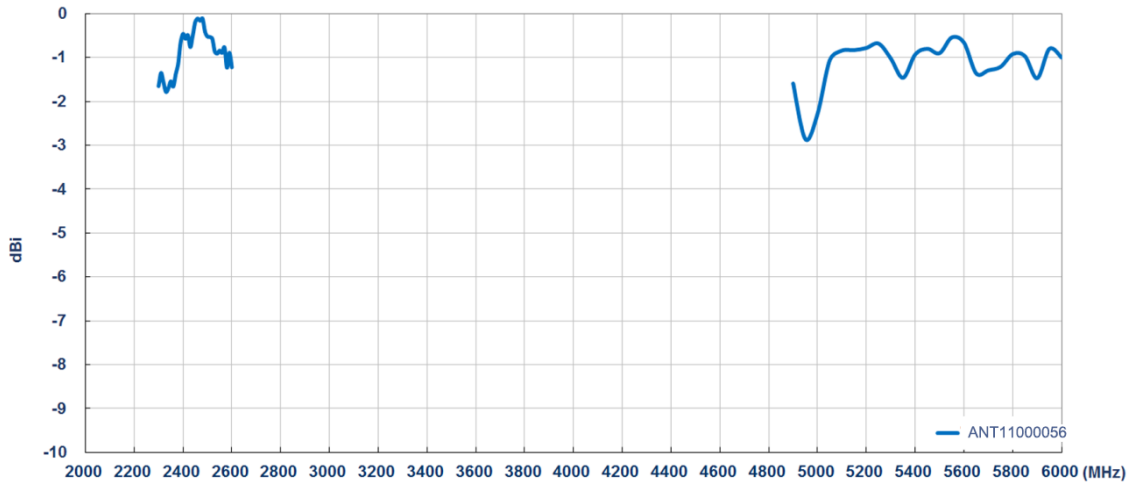
S11 (dB):



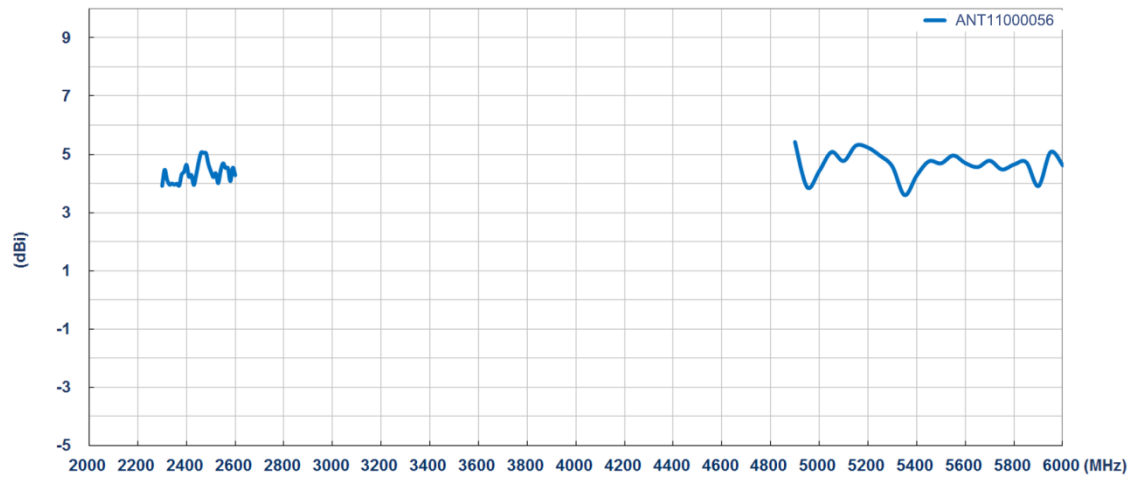
Efficiency (%):



Average Gain (dBi):

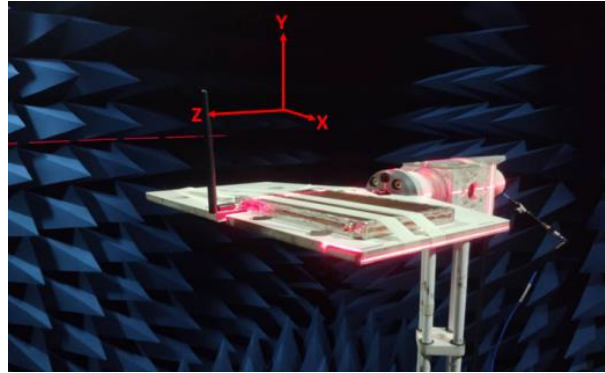


Peak Gain (dBi):

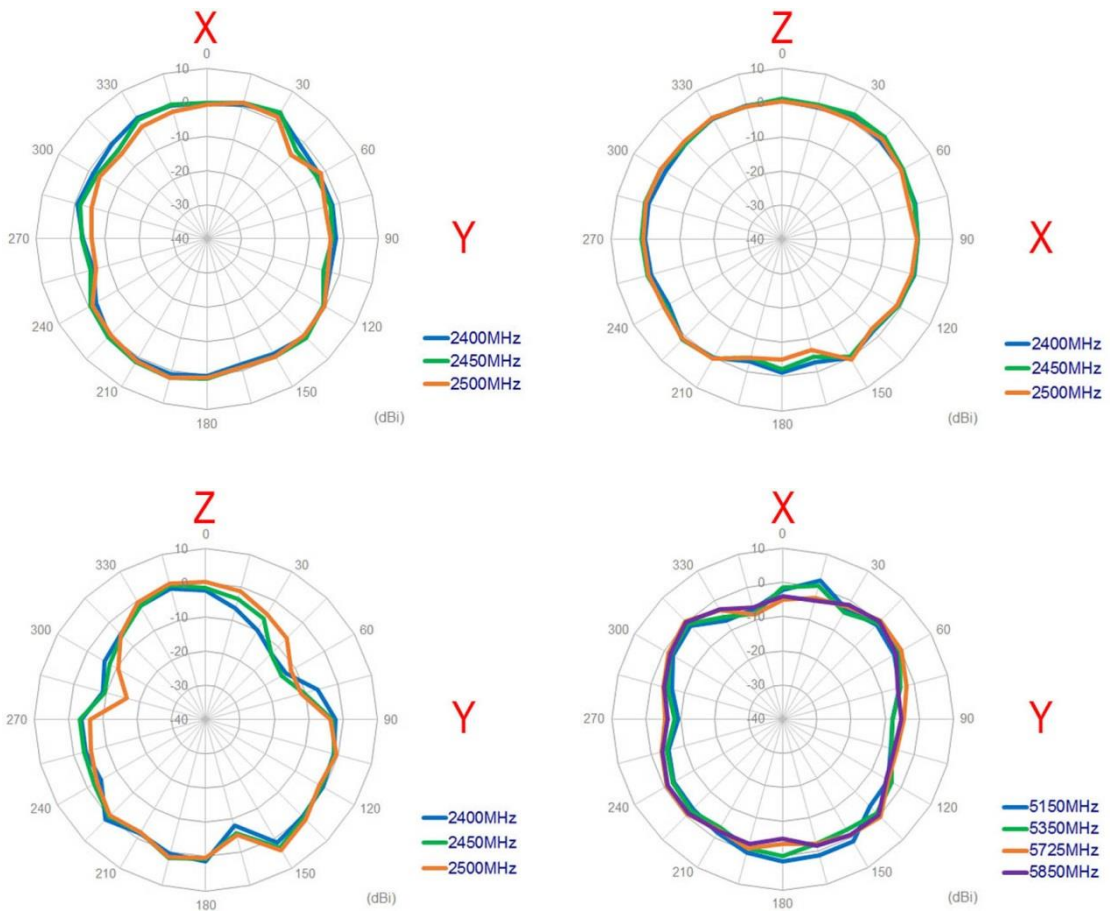


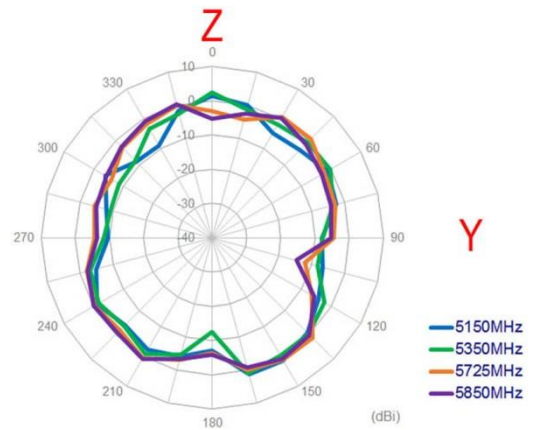
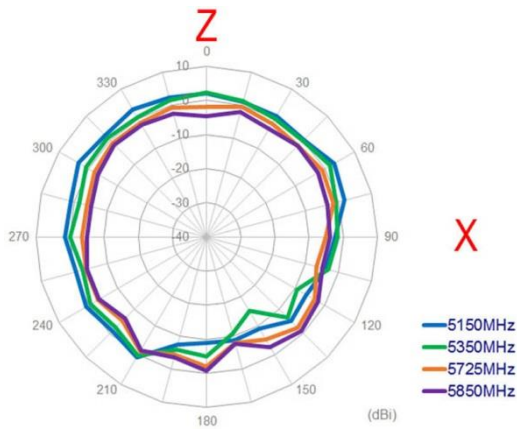
III. Antenna Radiation Pattern Measurement:

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



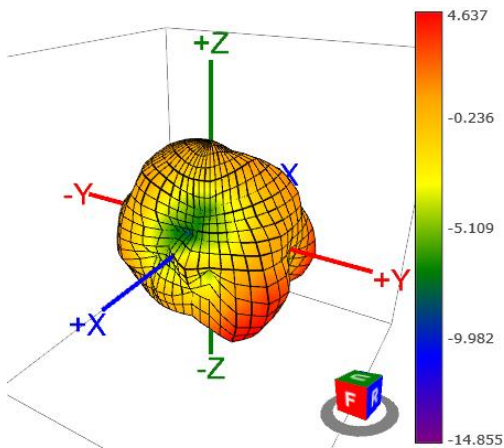
IV. 2D Radiation Pattern:



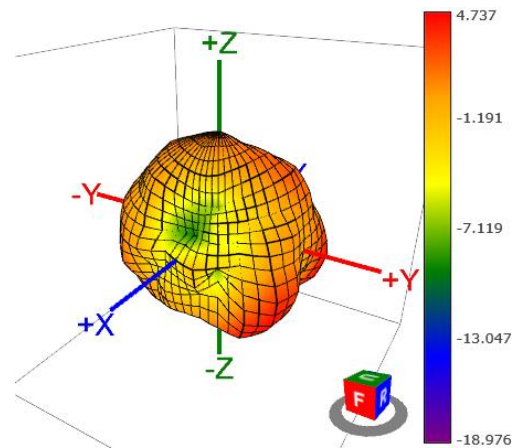


V. 3D Radiation Pattern:

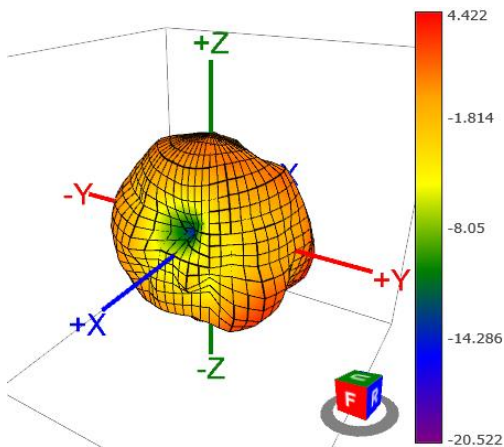
2400 MHz

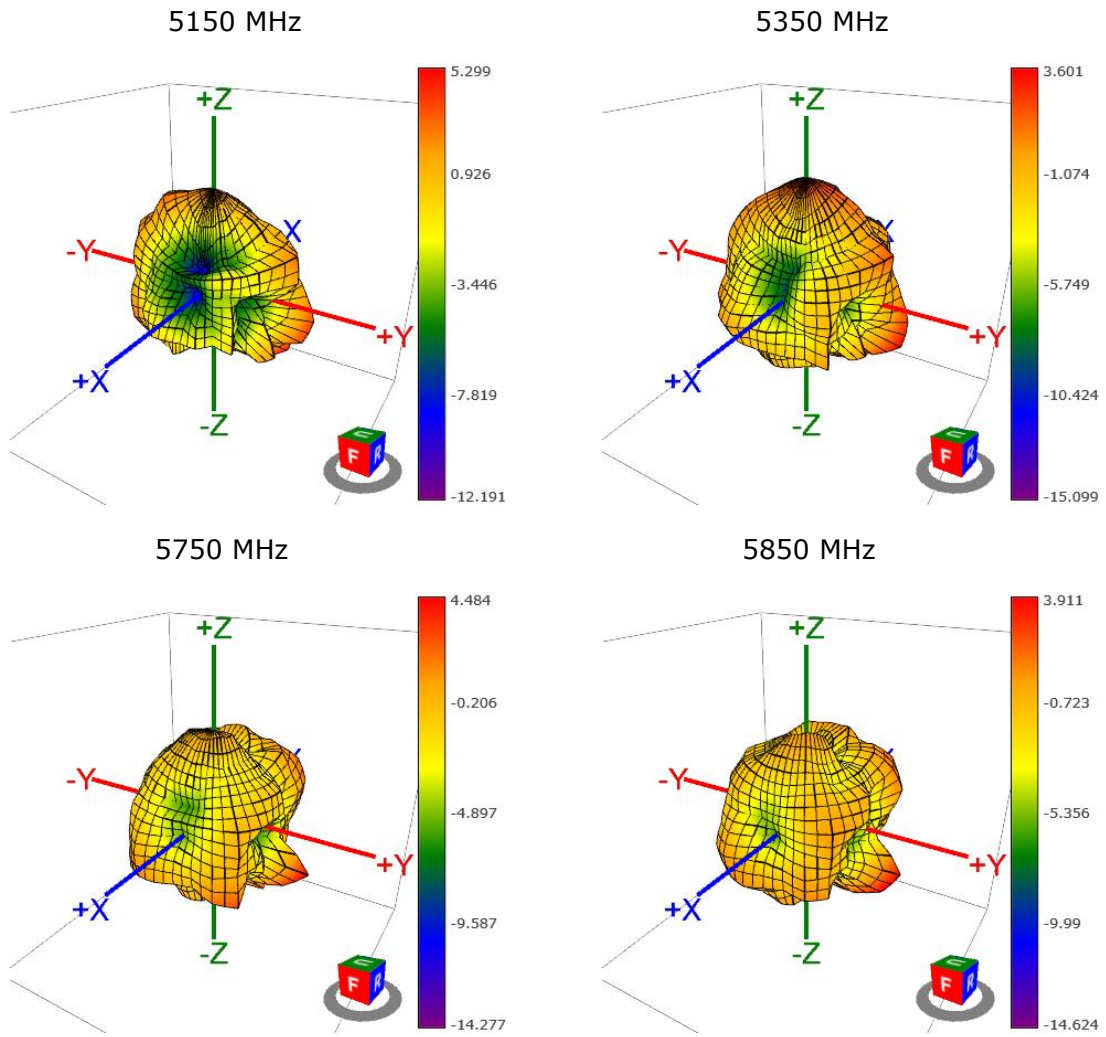


2450 MHz



2500 MHz





VI. Mechanical Drawing (Unit:mm):

