



Product Name: Tiny WiFi 2.4GHz Terminal Antenna

Part Number: TA-2B-A-W01

Features:

- Support WiFi Dual Bands, 2400-2500MHz
- Tiny Dimension, Length: 30 mm
- Connector: RP-SMA (M)ST

Applications:

- WiFi Router Application
- Portable IoT Device

Tiny WiFi 2.4GHz Terminal Antenna

MODEL: TA-2B-A-W01

WI-RD-D-202 V1.1

I. Specifications:

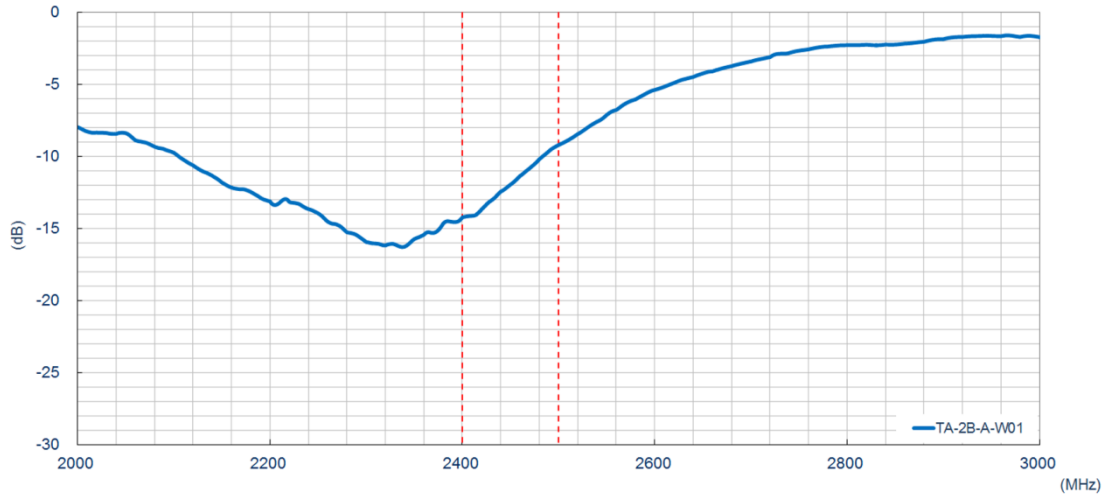
Items	WiFi Specifications		
Frequencies (MHz)	2400	2450	2500
Efficiency (%)	72.11	70.96	63.53
Average Gain (dBi)	-1.42	-1.49	-1.97
Peak Gain (dBi)	4.63	4.35	4.41
V.S.W.R	≤ 2.5		
Return Loss (dB)	< -8		
Radiation Patten	Omni Directional		
Polarization	Linear		
Impedance (Ω)	50		
Test Condition	With GND: 215 x 125 mm		
Mechanical Specification			
Antenna Length	Length: 30 mm, Diameter: 7.8 mm		
Connector	RP-SMA (M)ST		
Operating Temperature ($^{\circ}\text{C}$)	-40~+85		
Storage Temperature ($^{\circ}\text{C}$)	-40~+85		

***Antenna was measured on 215*125mm Ground Plane.**

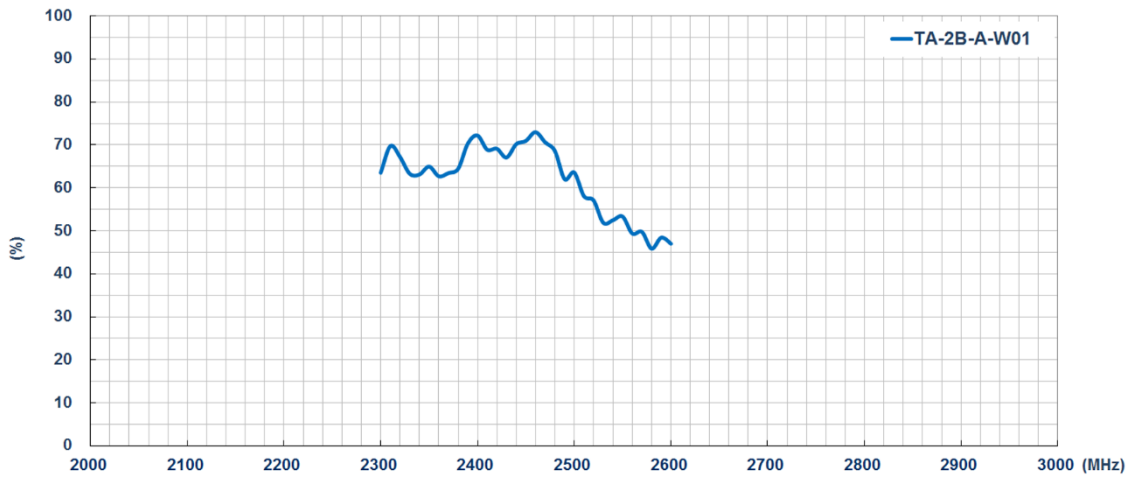
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II. Antenna Technical Parameters:

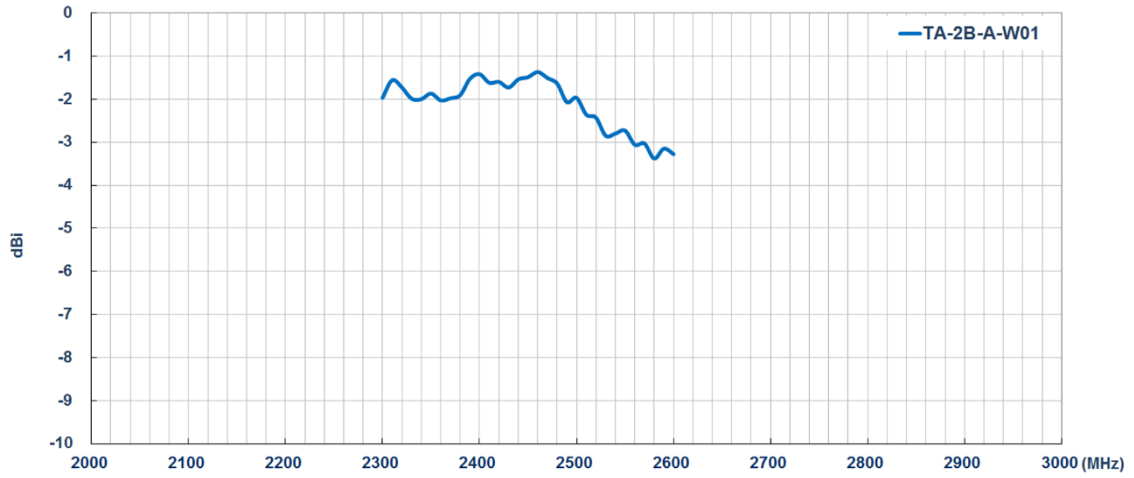
S-parameters:



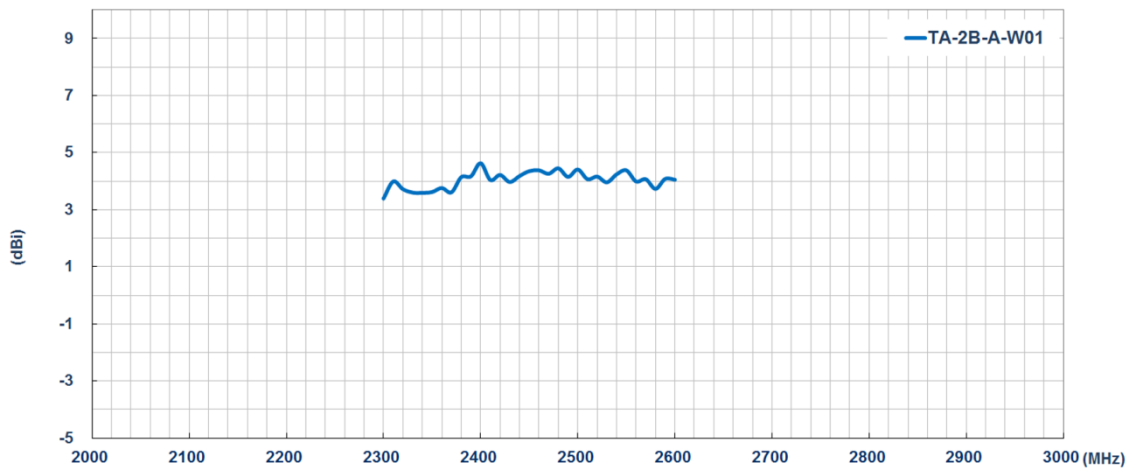
Efficiency:



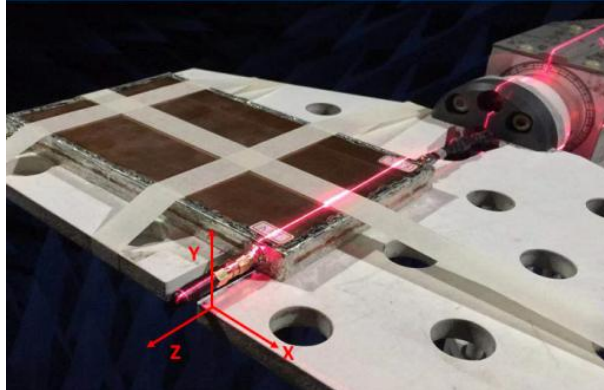
Average Gain:



Peak Gain:

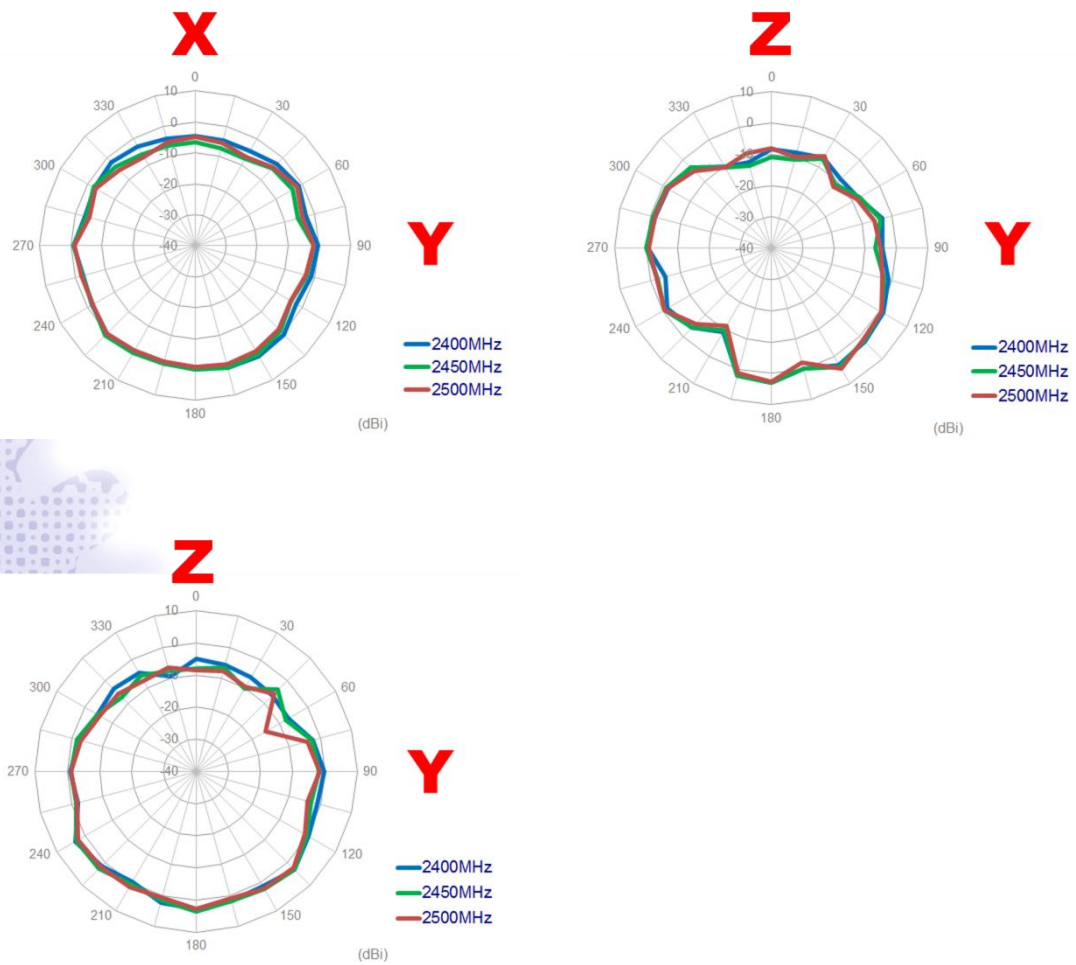


III. Antenna Radiation Pattern Measurement:

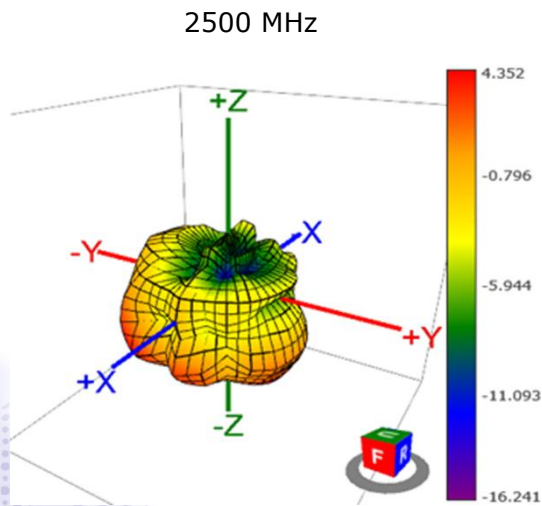
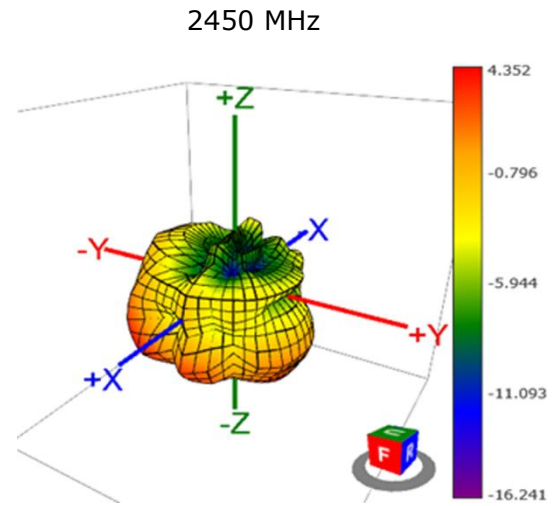
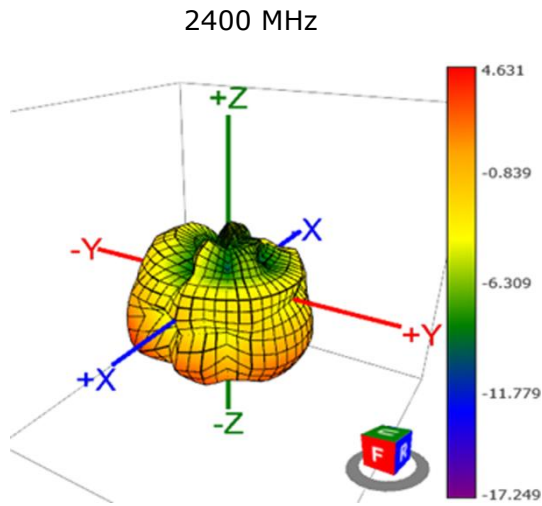


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2D Radiation Pattern

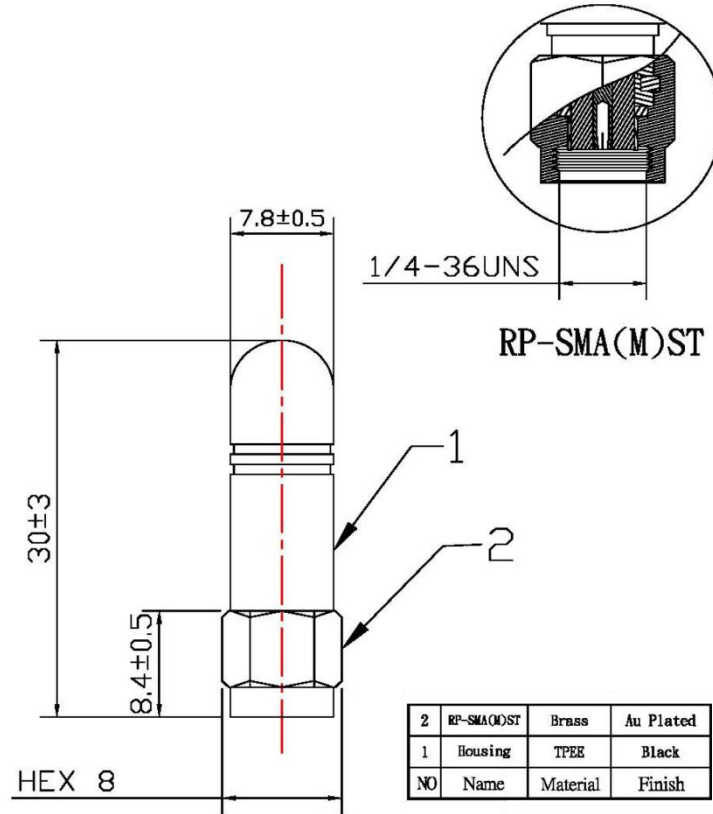


3D Radiation Pattern



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IV. Mechanical Drawing (Unit:mm):



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