



**Product Name:** WiFi 2.4/5.8GHz Terminal Antenna

**Part Number:** TA-6B-A-WE01

**Features:**

- Tiny Dimension
- Support WiFi Dual Bands, 2.4GHz/ 5.8GHz
- RoHS & REACH Compliant

**Applications:**

- AP Router Application
- Handheld Device Application

# WiFi 2.4/5.8GHz Terminal Antenna

## MODEL: TA-6B-A-WE01

Rev.A

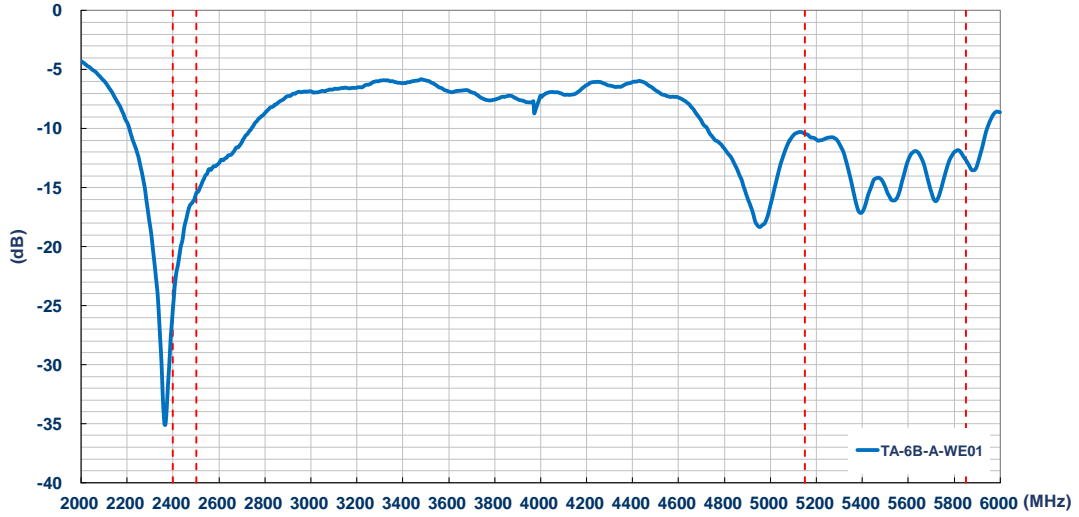
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### I. Specifications:

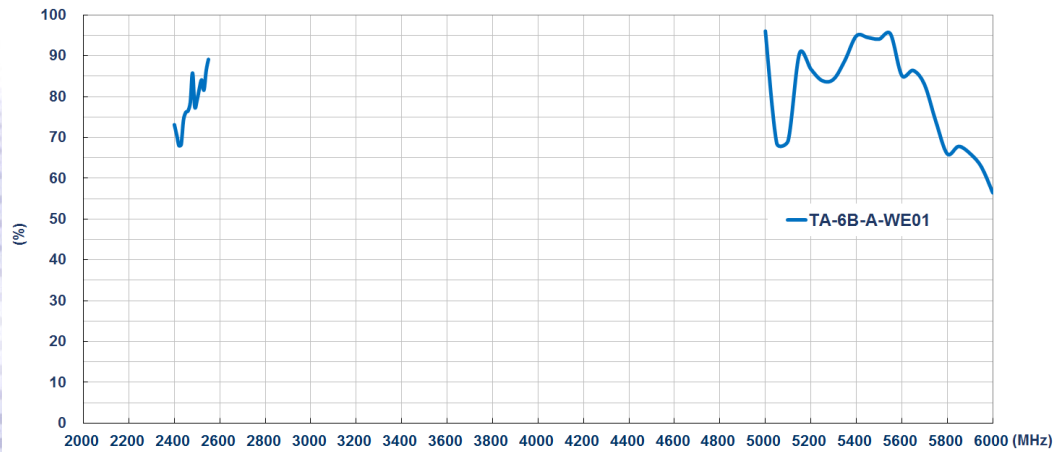
Items	Specifications						
<b>Frequencies (MHz)</b>	2400	2450	2500	5150	5350	5750	5850
<b>Efficiency (%)</b>	73.13	76.15	79.21	90.63	88.92	73.91	67.82
<b>Average Gain (dBi)</b>	-1.36	-1.18	-1.01	-0.43	-0.51	-1.31	-1.69
<b>Peak Gain (dBi)</b>	2.23	2.17	2.20	4.59	2.81	2.67	2.90
<b>V.S.W.R</b>	< 2						
<b>Return Loss (dB)</b>	< -10						
<b>Test Condition</b>	215 x 125 x 15 mm <sup>2</sup> (With Ground Box)						
<b>Impedance (Ω)</b>	50						
<b>Polarization</b>	Linear						
<b>Physical Conditions</b>							
<b>Dimension (mm)</b>	φ 7.5(D) x 89.5(L)						
<b>Color</b>	Black						
<b>Connector</b>	RP-SMA(Male)						
<b>Waterproof</b>	IP66						
<b>Environmental Conditions</b>							
<b>Operation Temperature (°C)</b>	-40 ~ +85						
<b>Storage Temperature (°C)</b>	-40 ~ +85						
<b>Relative Humidity</b>	95% non-condensing						

## II. Passive Electrical Properties:

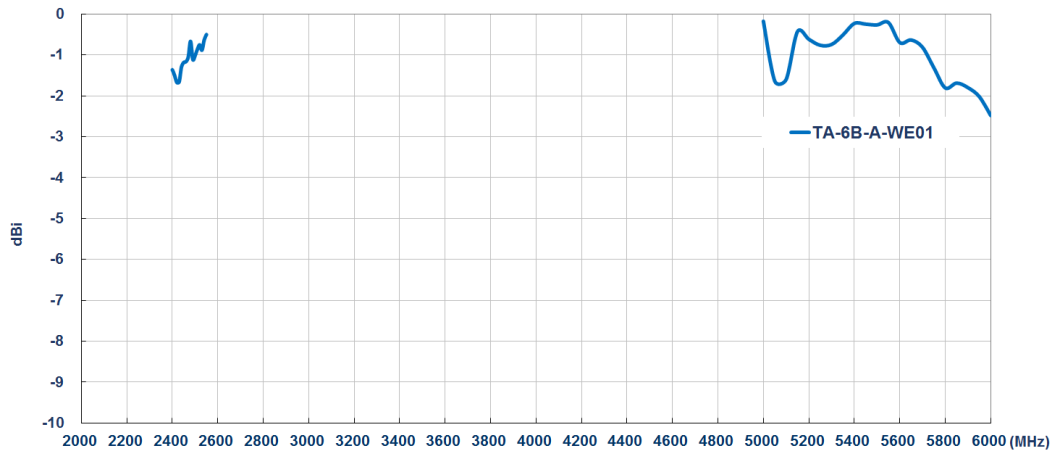
S11-parameters (dB)



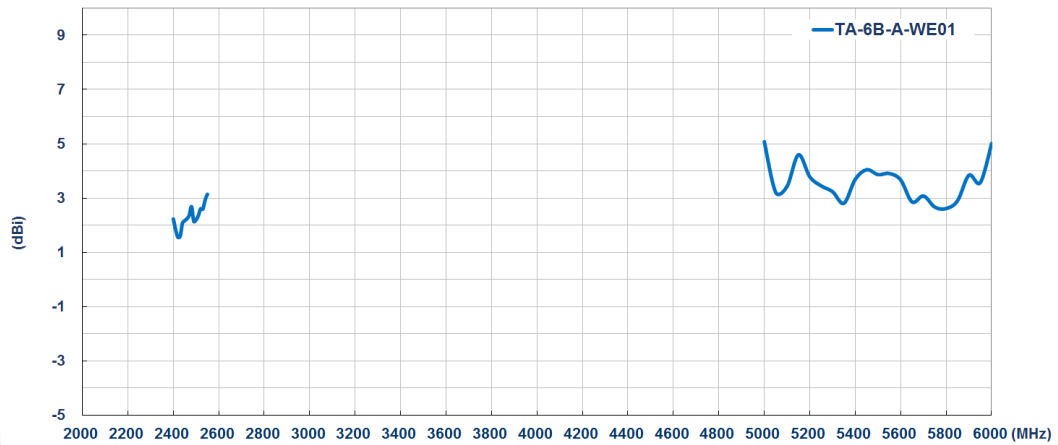
Efficiency (%)



Average Gain (dBi)

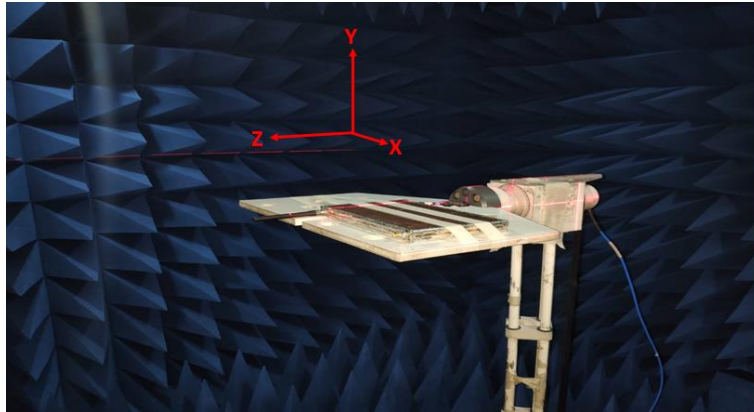


Peak Gain (dBi)



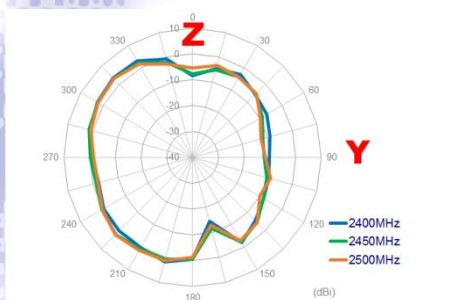
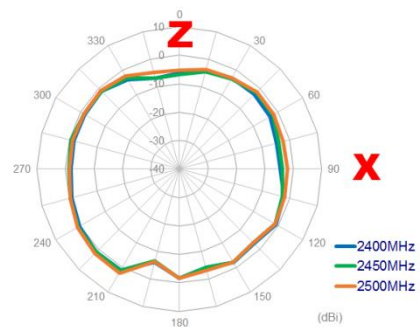
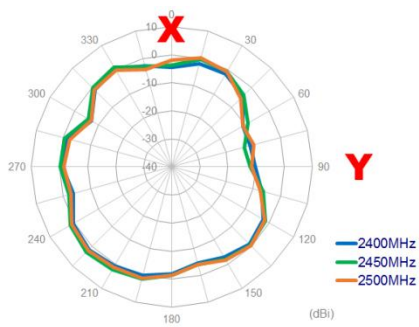
### III. Antenna Radiation Pattern Measurement:

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

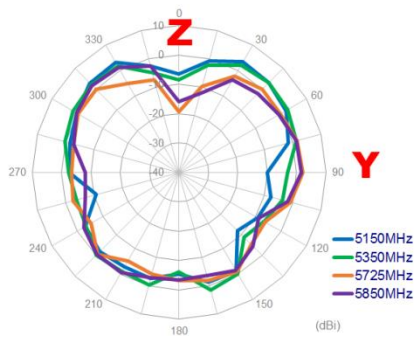
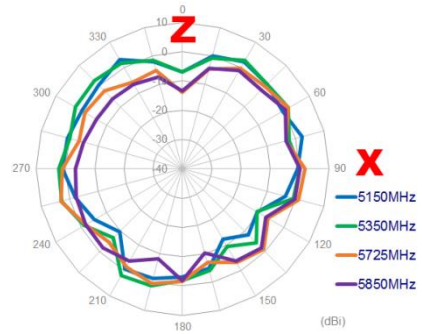
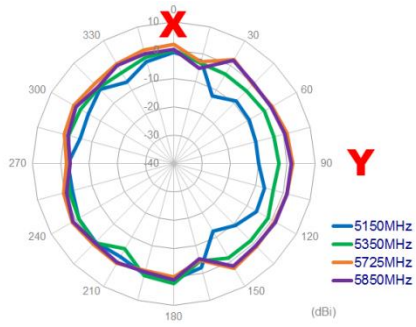


#### A) 2D Radiation Pattern

2.4GHz

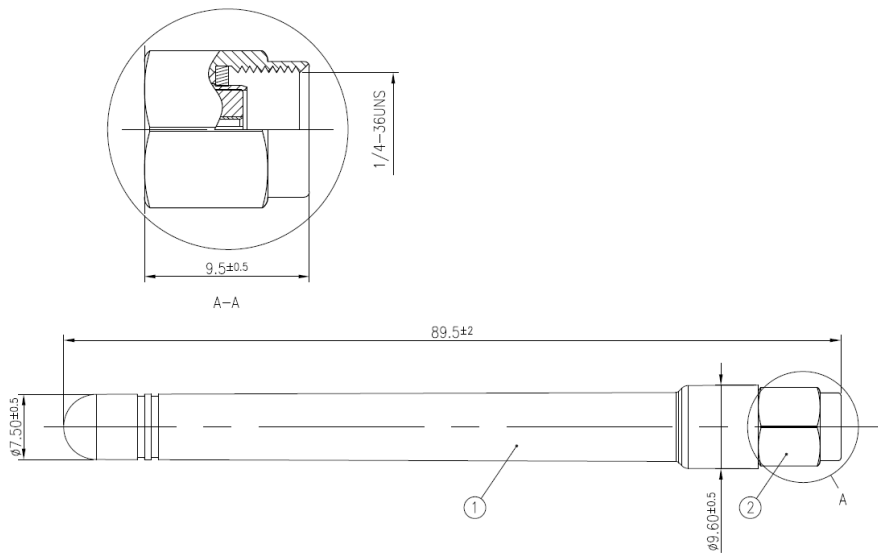


5.8GHz



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IV. Mechanical Drawing (Unit:mm):



2	RP-SMA(M) Connector	Brass	Au Plated	1
1	Housing	TPEE	Black	1
No	NAME	MATERIAL	FINISH	QTY