



**Product Name:** Ultra High Gain 9dBi WiFi Terminal Antenna

**Part Number:** TA-4B-A-WE01

**Feature:**

- WiFi Dual Bands 2.4/5.8GHz Supporting
- 9dBi High Peak Gain
- Rotatable Hinge Design
- Omni-Directional Coverage

**Application:**

- Wireless LAN Application

# 9dBi WiFi Terminal Antenna

## MODEL: TA-4B-A-WE01

WI-RD-D-175 V1.0

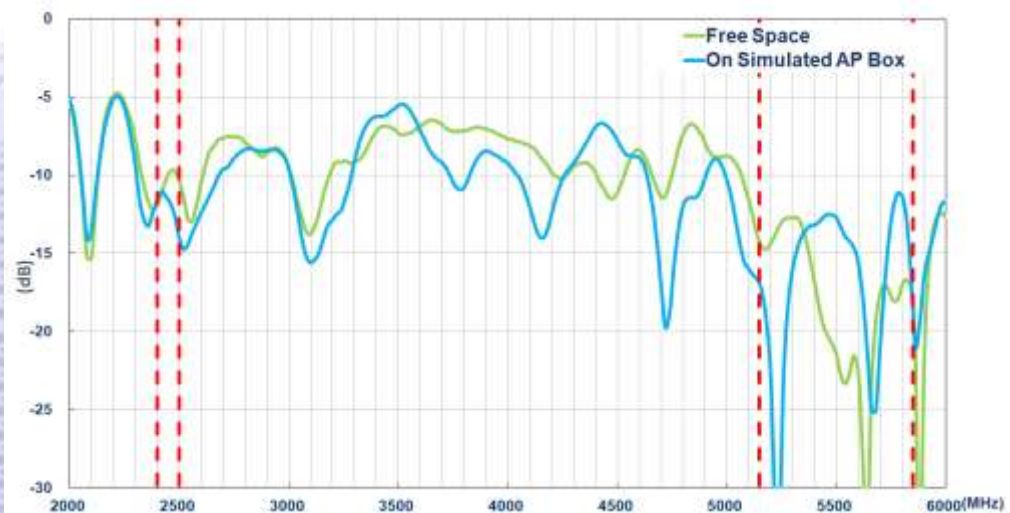
### I. Specifications:

Category	Specifications
Frequency Range	2.4~2.5GHz / 5.15~5.85GHz
Efficiency	69.93% / 80.26%
Peak Gain	9dBi / 5 dBi
Radiation Patten	Omni Directional
Polarization	Vertical
Impedance	50 $\Omega$
V.S.W.R	2.4~2.5GHz $\leq$ 2.5 / 5.15~5.85GHz $\leq$ 2
Connector	RP-SMA(M)

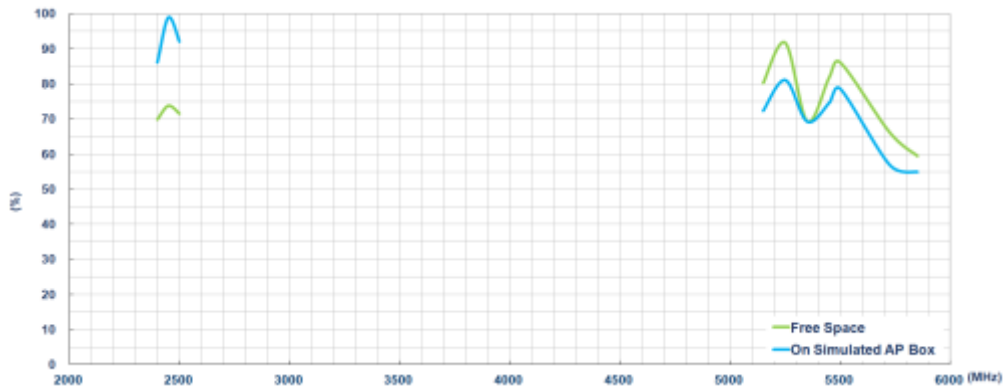
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### II. Analysis Antenna Performance:

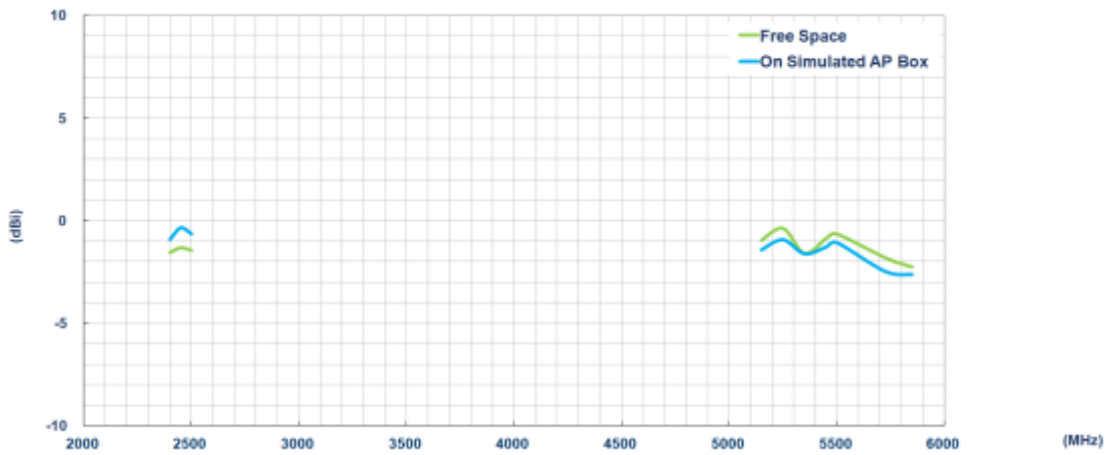
S-parameters:



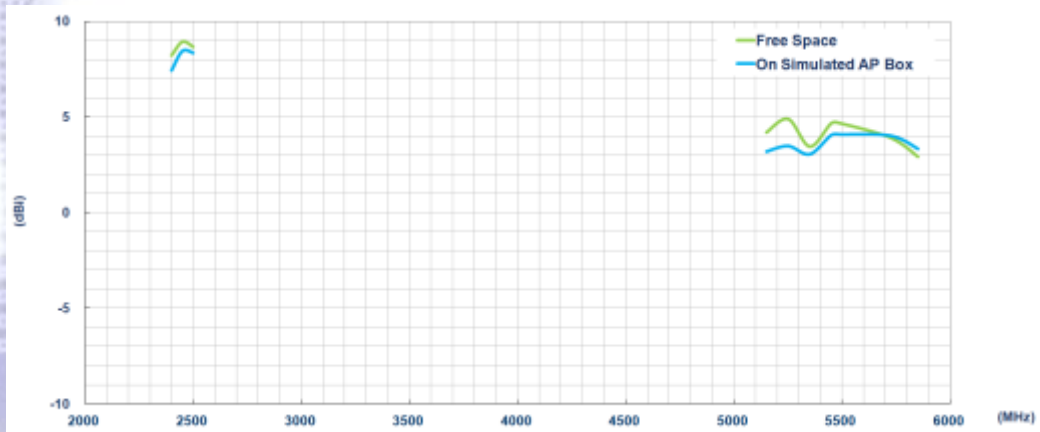
Efficiency:



Average Gain:

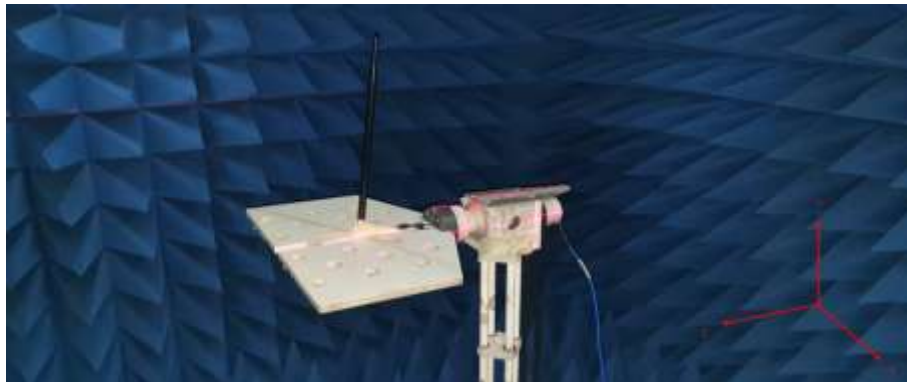


Peak Gain



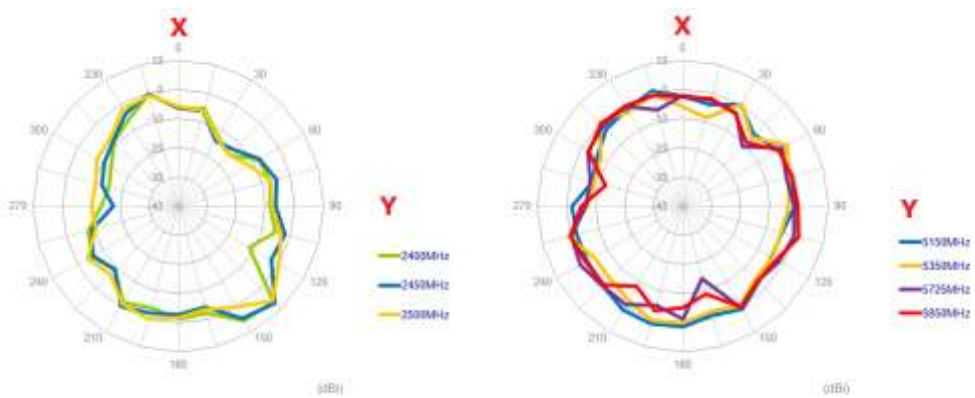
Peak Gain Table	2400	2450	2500	5150	5550	5850	(MHz)
Free Space	8.22	9.02	8.66	4.20	4.65	2.93	(dBi)
On Simulated AP Box	7.42	8.50	8.33	3.20	4.09	3.34	

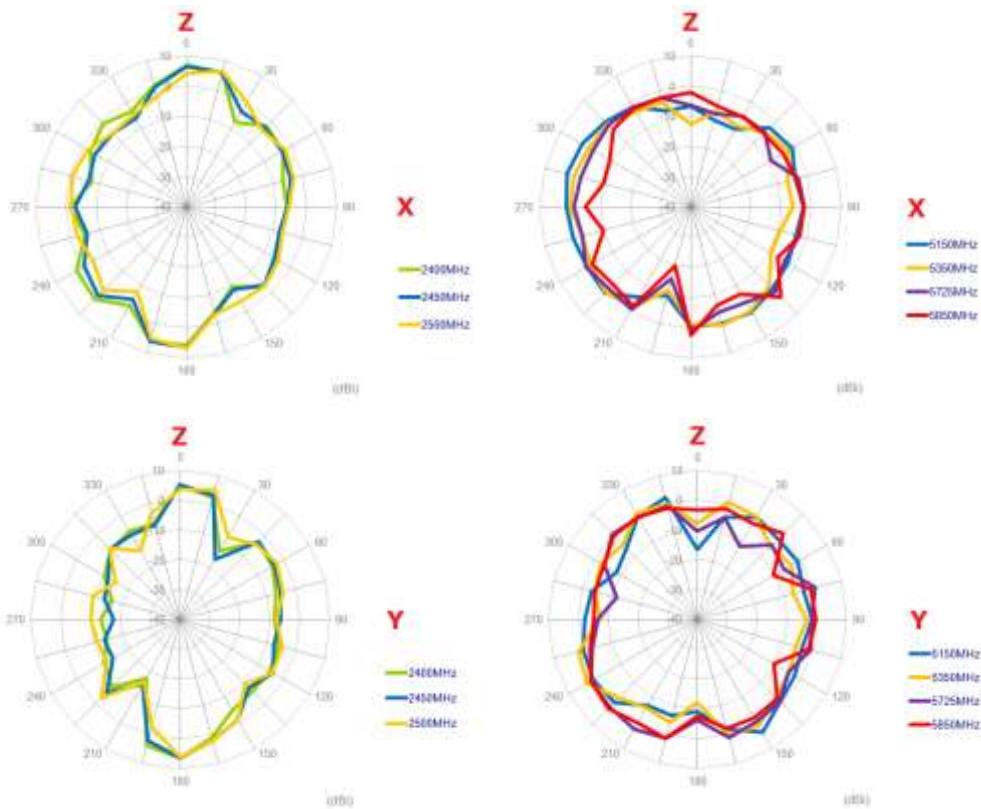
### III. Antenna Radiation Pattern Measurement:



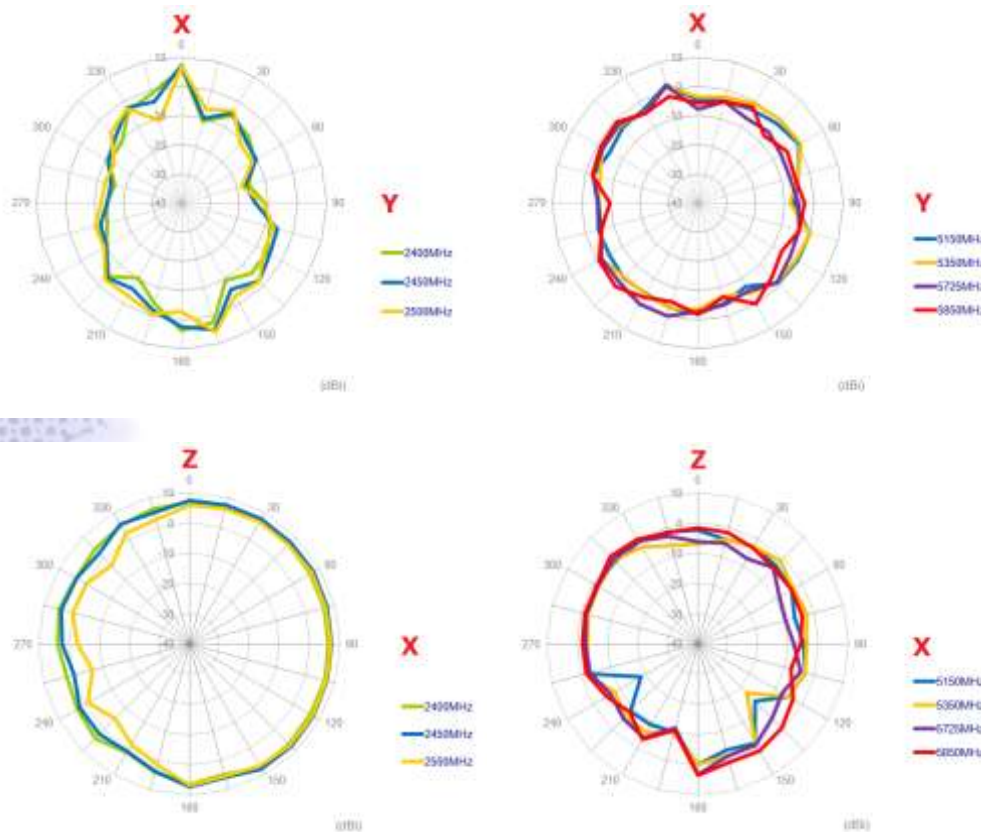
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2D Radiation Pattern (free\_space)

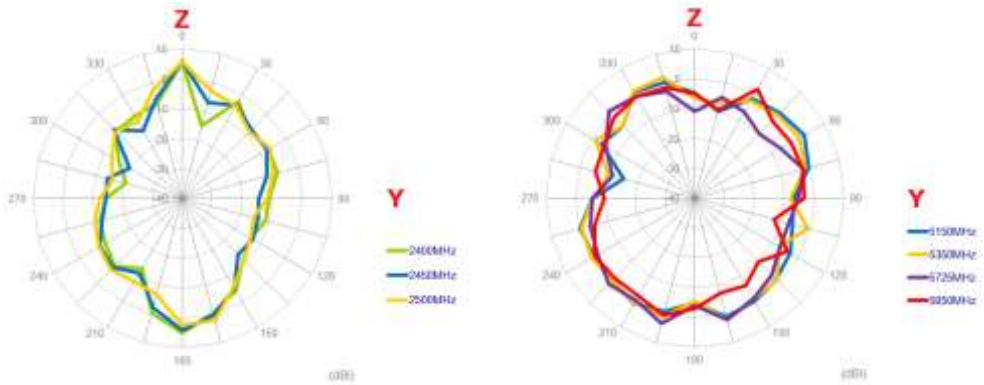




2D radiation pattern (On Simulated AP Box)



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#### IV. Mechanical Drawing (Unit:mm):

