



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

WI-RD-D-153 V1.2

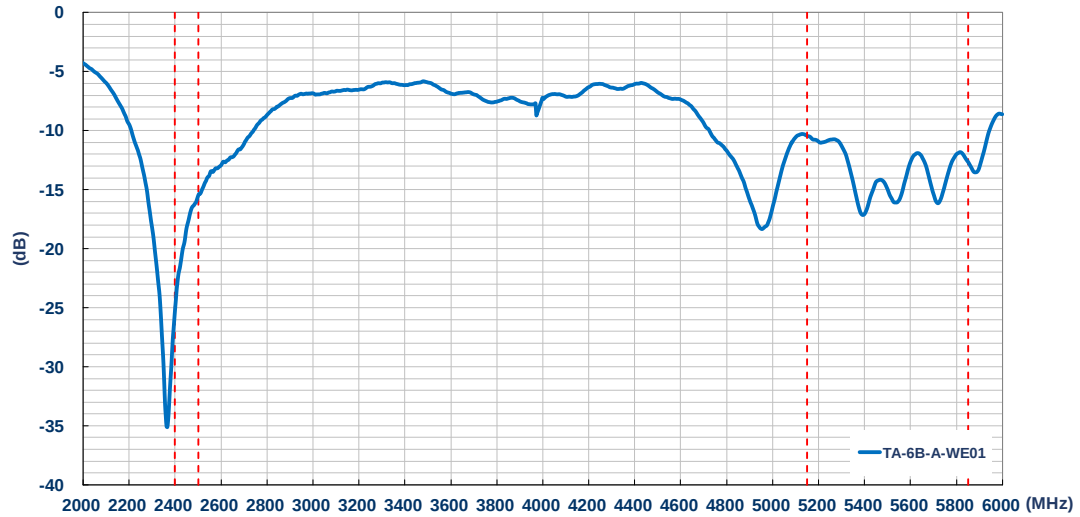
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All specifications subject to change without notice.

I. Specifications:

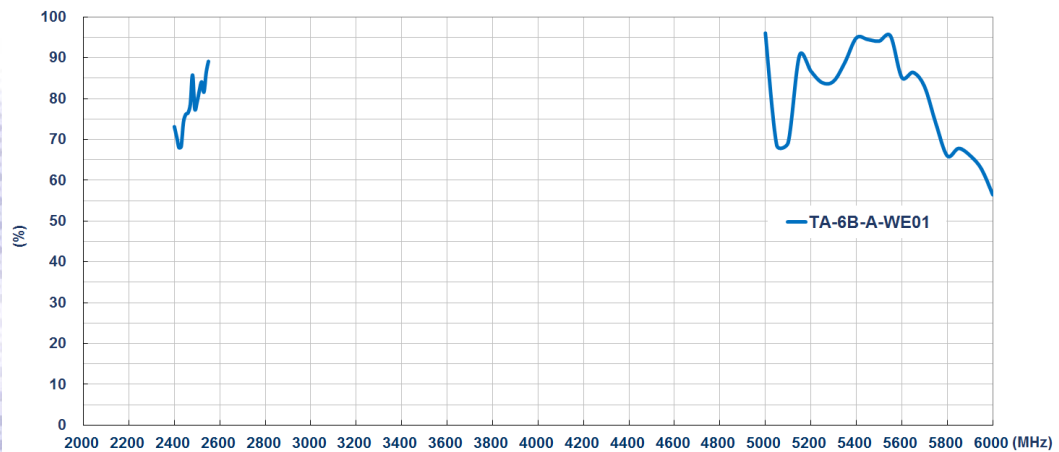
Items	Specifications						
Frequencies (MHz)	2400	2450	2500	5150	5350	5750	5850
Efficiency (%)	73.13	76.15	79.21	90.63	88.92	73.91	67.82
Average Gain (dBi)	-1.36	-1.18	-1.01	-0.43	-0.51	-1.31	-1.69
Peak Gain (dBi)	2.23	2.17	2.20	4.59	2.81	2.67	2.90
V.S.W.R	< 2						
Return Loss (dB)	< -10						
Test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

II. Passive Electrical Properties:

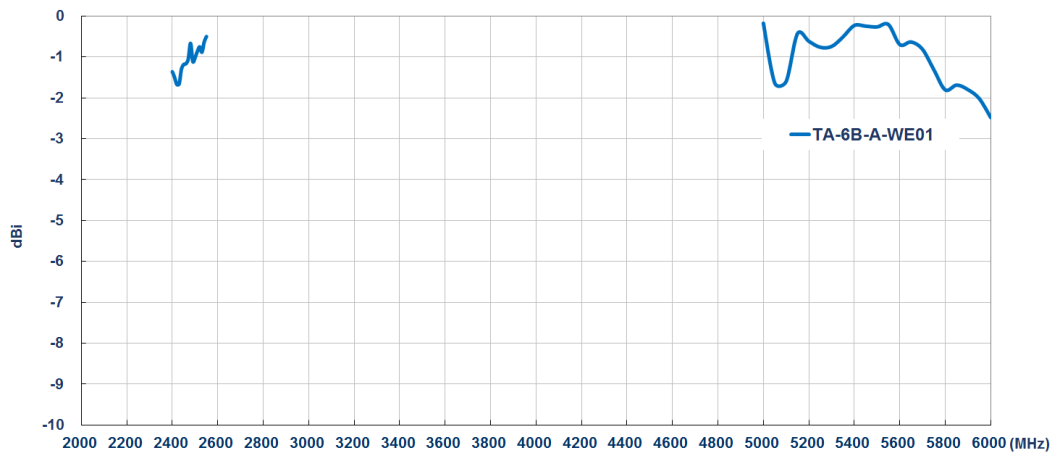
S11-parameters (dB)



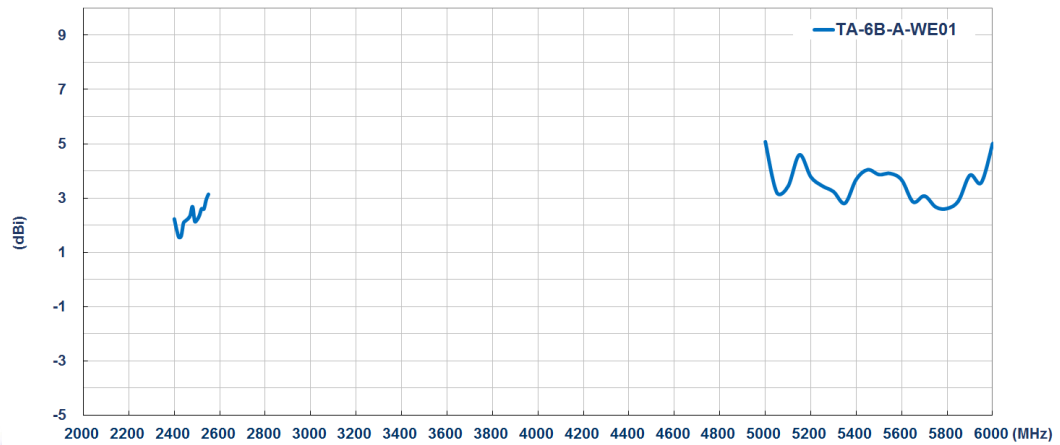
Efficiency (%)



Average Gain (dBi)

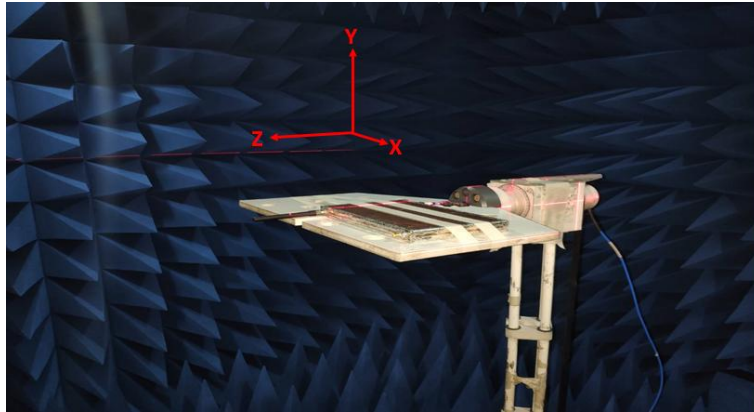


Peak Gain (dBi)



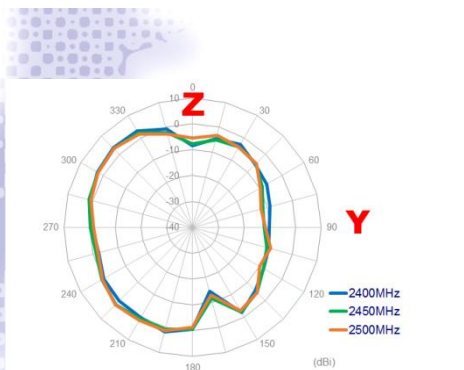
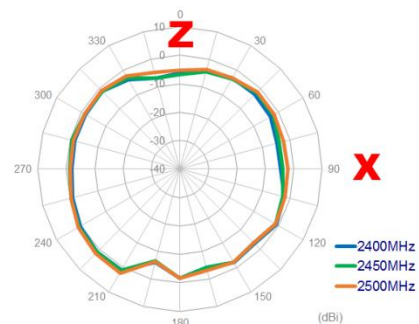
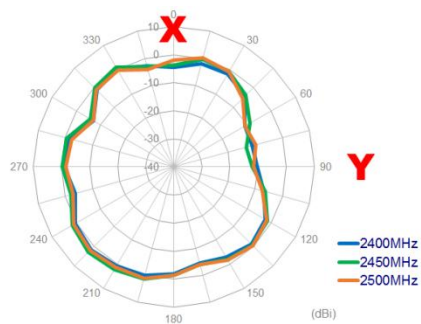
III. Antenna Radiation Pattern Measurement:

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

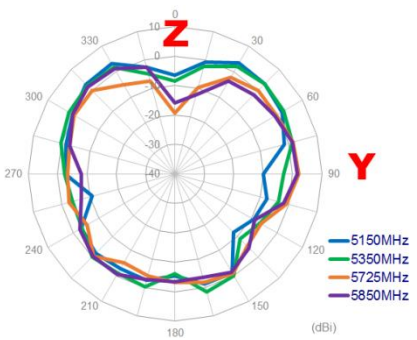
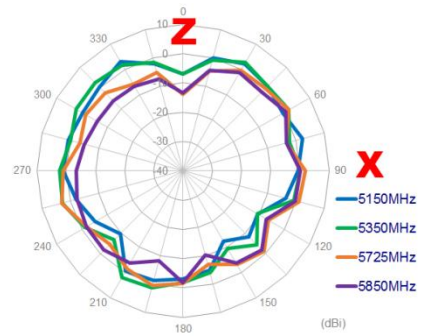
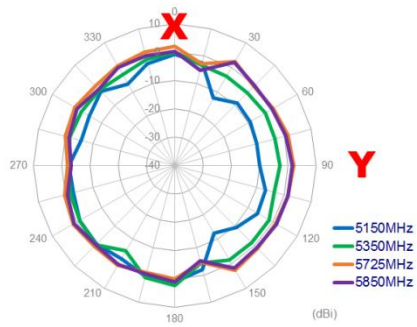


A) 2D Radiation Pattern

2.4GHz

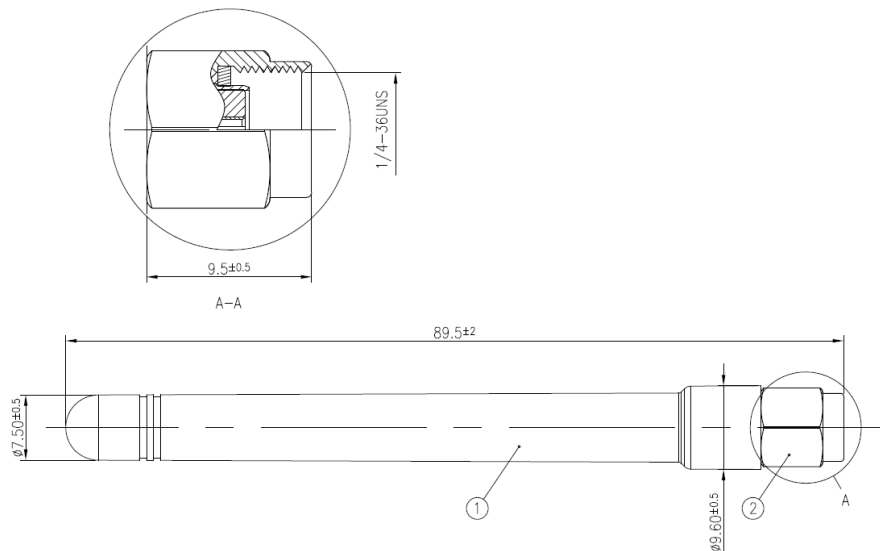


5.8GHz



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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