



Product Name: Omni-Directional WiFi Terminal Antenna

Part Number: TA-S10B-A-WE02

Features:

- Support WiFi Dual Bands 2.4/5.8GHz
- Omni-Directional Coverage
- 90 Degree Hinged Connector
- Straight Length: 108mm
- Connector: RP-SMA(M)

Applications:

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

Omni-Directional WiFi Terminal Antenna

MODEL: TA-S10B-A-WE02

Rev.A

I. Specifications:

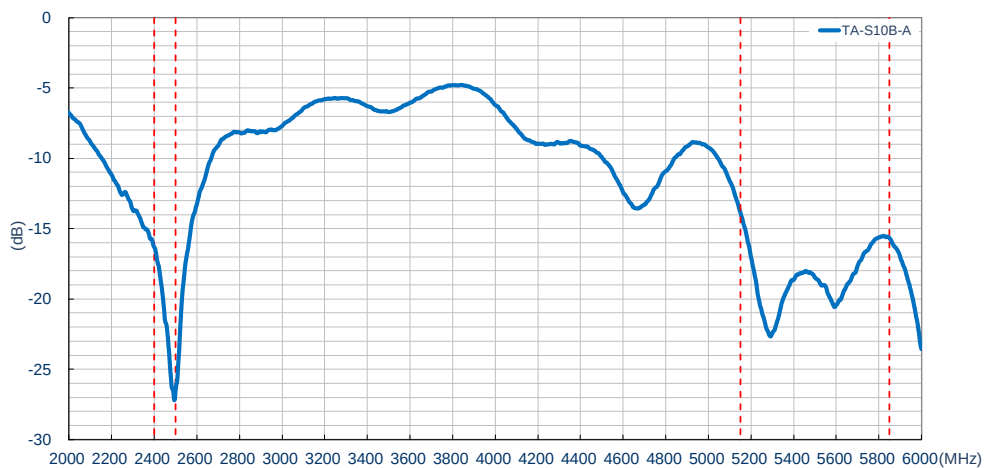
Items	WiFi Specifications						
Frequencies (MHz)	2400	2450	2500	5150	5350	5725	5850
Efficiency (%)	95.50	97.05	97.05	84.53	79.43	83.75	73.28
Average Gain (dBi)	-0.20	-0.13	-0.13	-0.73	-1.00	-0.77	-1.35
Peak Gain (dBi)	1.99	2.52	3.32	3.11	1.79	4.41	4.05
Return loss	<-10						
V.S.W.R	1.92:1 Max						
Radiation Pattern	Omni Directional						
Polarization	Vertical						
Impedance (Ω)	50						
Mechanical Specifications							
Antenna Length (mm)	108						
Antenna Weight (g)	9						
Antenna Cover	TPU Black						
Connector	RP-SMA(M)						
Environmental Specifications							
Operating Temperature (°C)	-30 ~ +60						
Storage Temperature (°C)	-30 ~ +70						

***Test Condition: 215 x 125 mm (Ground Plane Dimension)**

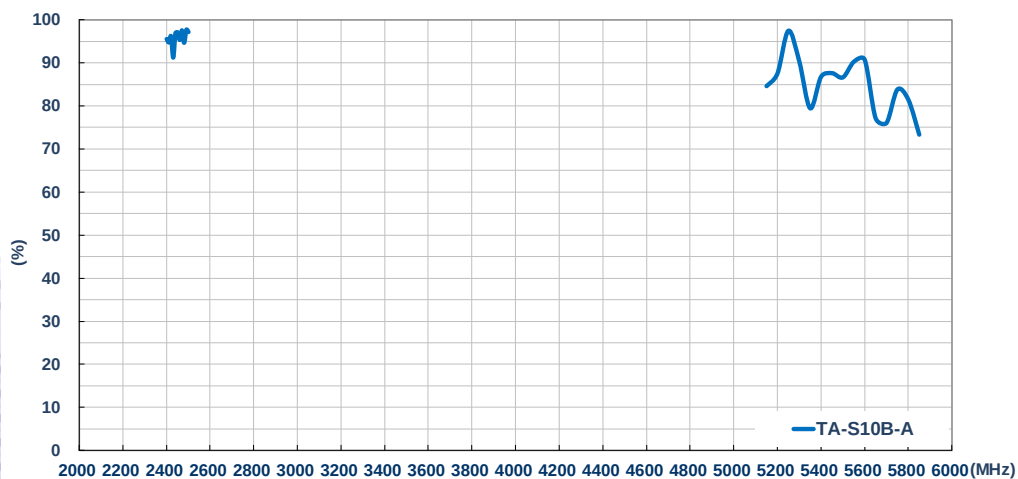
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II. Antenna Technical Parameters:

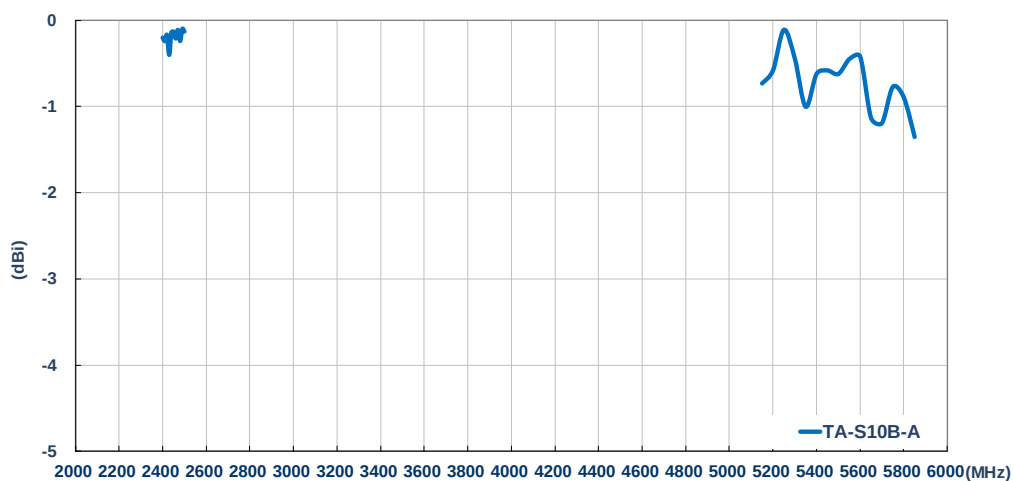
S-parameters:



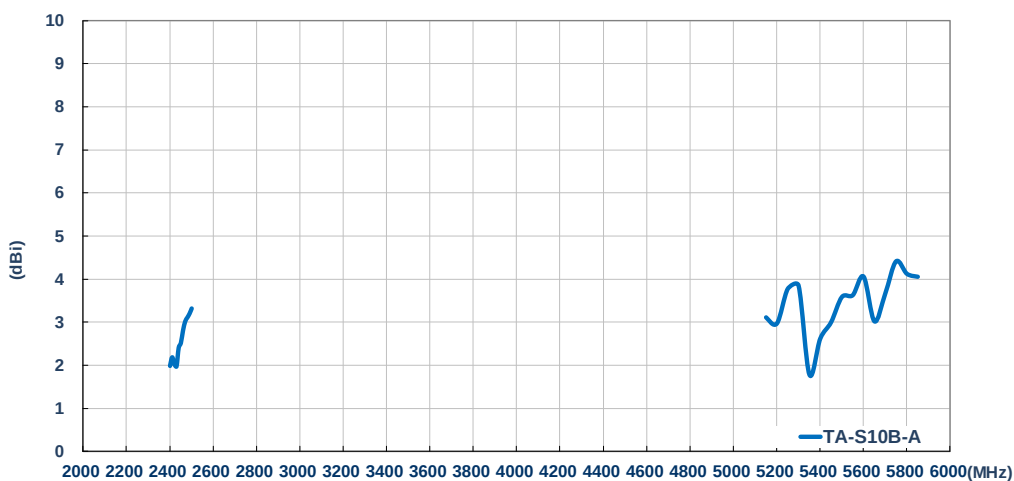
Efficiency:



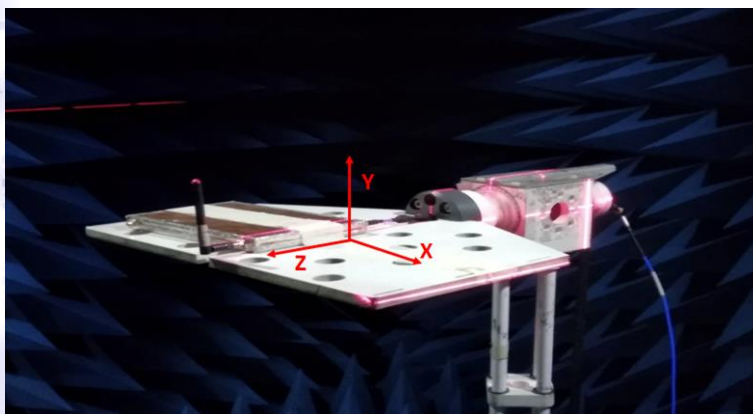
Average Gain:



Peak Gain:

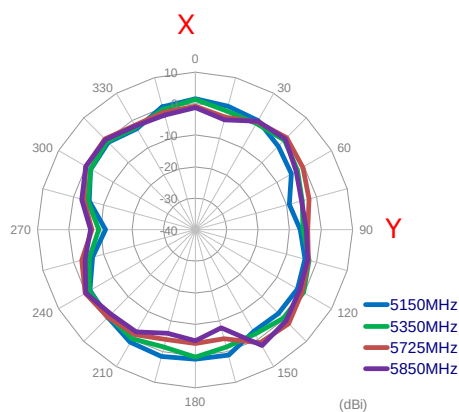
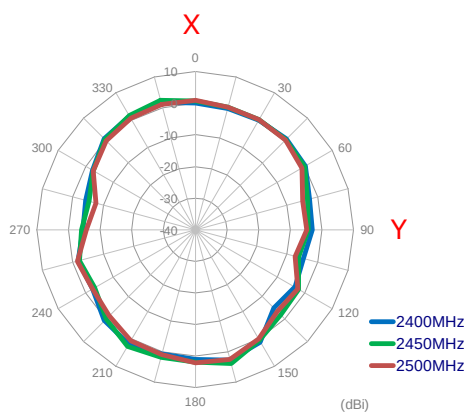


III. Antenna Radiation Pattern Measurement:

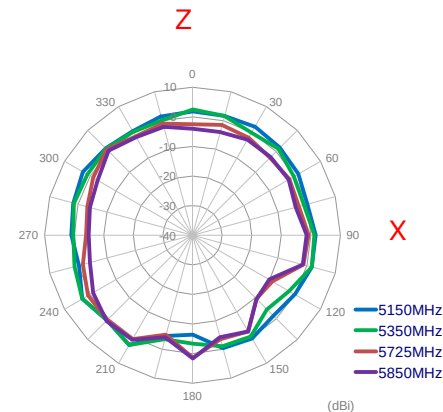
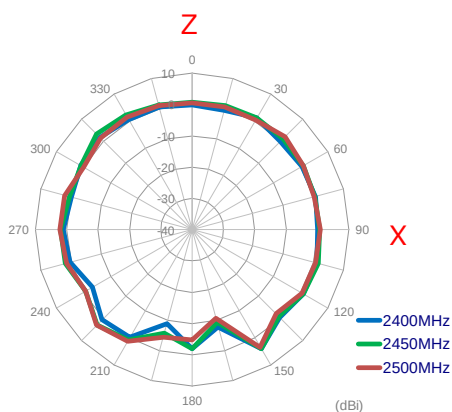


A) 2D Radiation Pattern

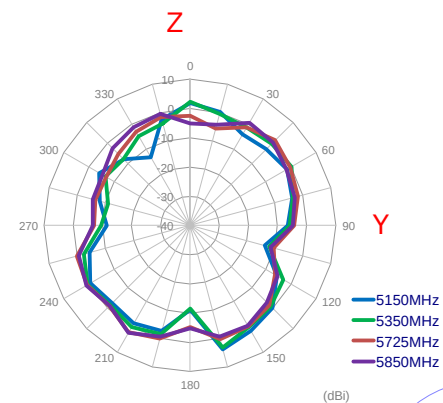
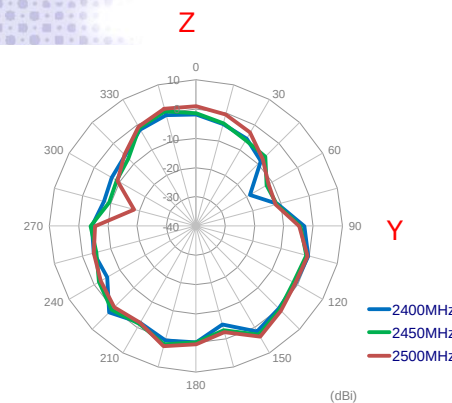
X-Y Plane



X-Z Plane

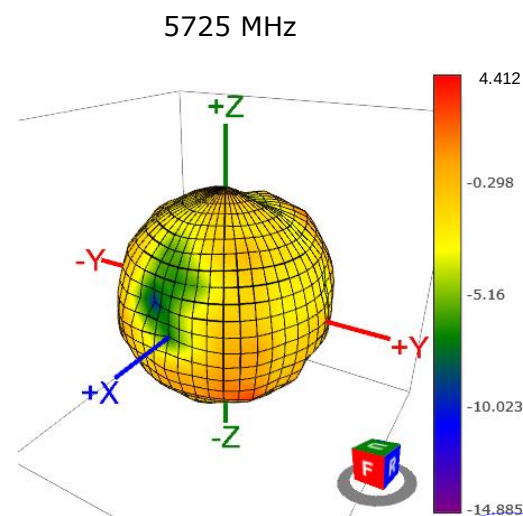
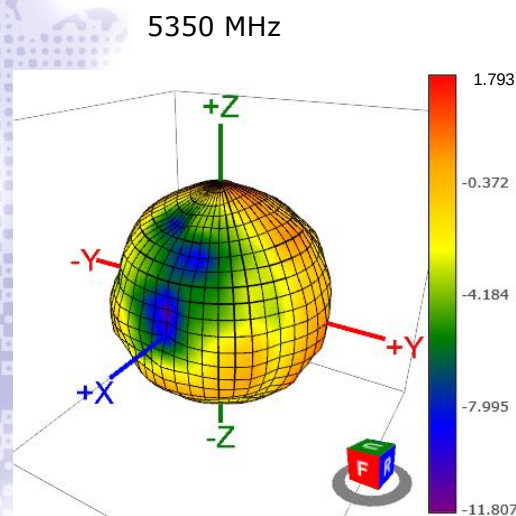
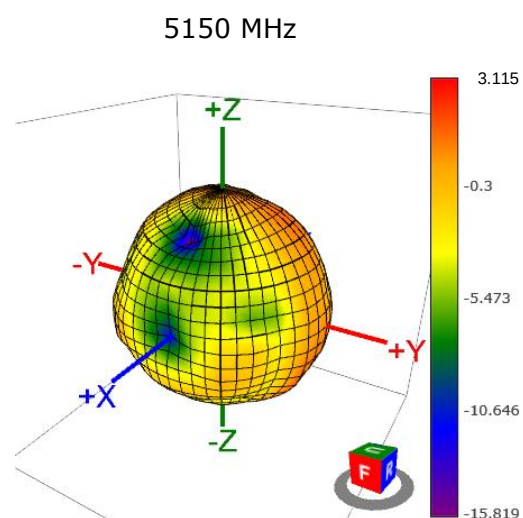
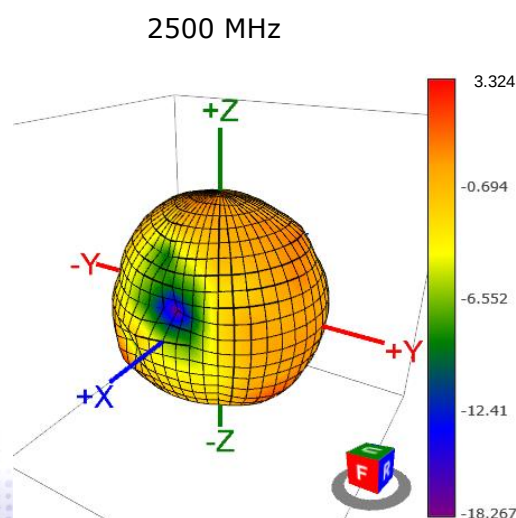
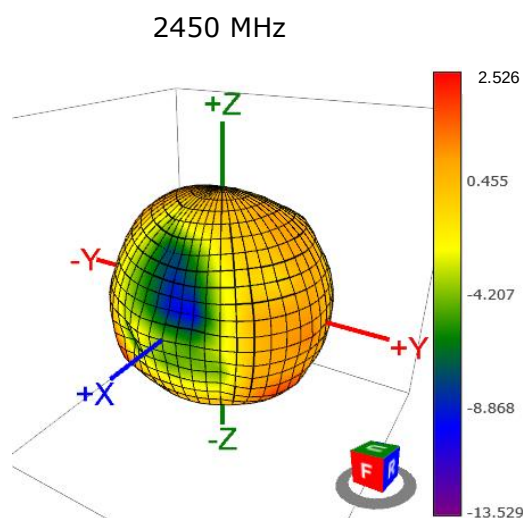
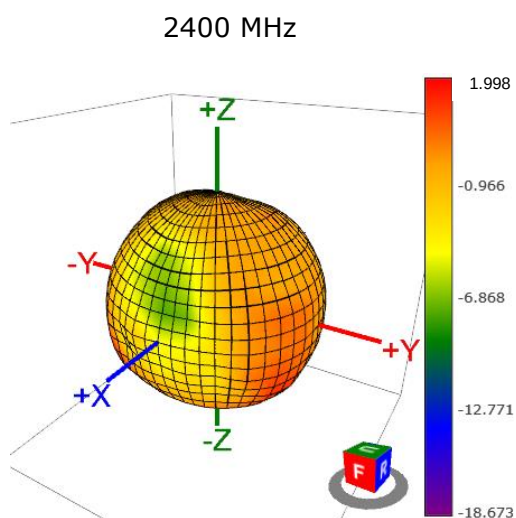


Y-Z Plane

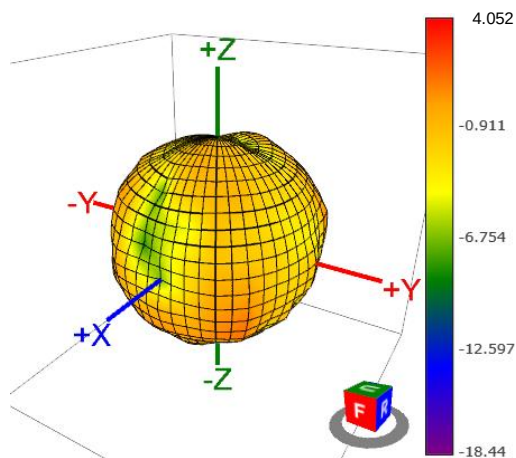


B) 3D Radiation Pattern

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5850 MHz



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IV. Mechanical Drawing (Unit:mm):

