Unictron Technologies Corp.

Product Name: WiFi Dual Bands Terminal Antenna

Part Number: TA-S8B-A-WE01

Features:

- Support WiFi Dual Bands 2.4/5.8GHz
- 90 Degree Rotatable Hinged
- Straight Length: 193 mm
- Connector: SMA(M) Reverse Pin

Applications:

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

WiFi Dual Bands Terminal Antenna

MODEL: TA-S8B-A-WE01

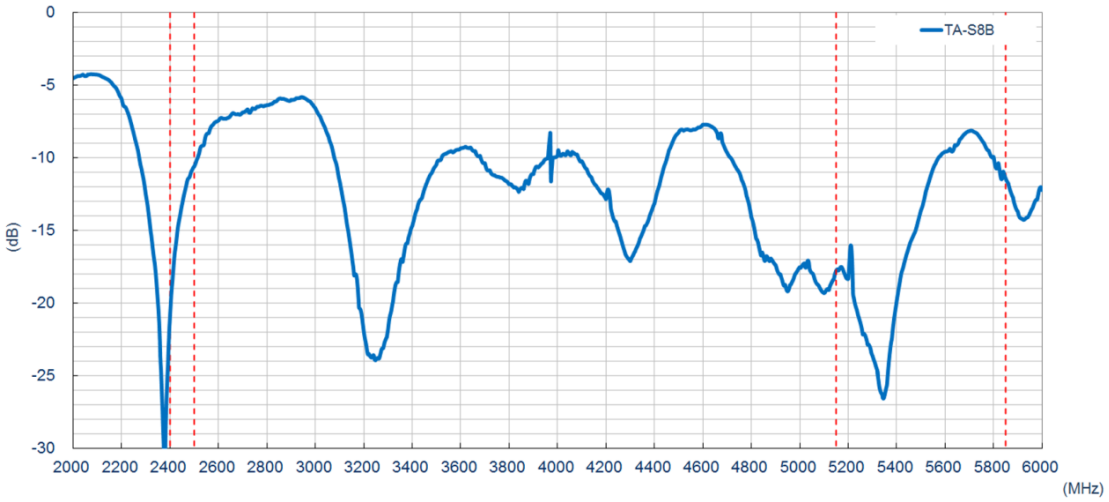
WI-RD-D-199 V1.1

I. Specifications:

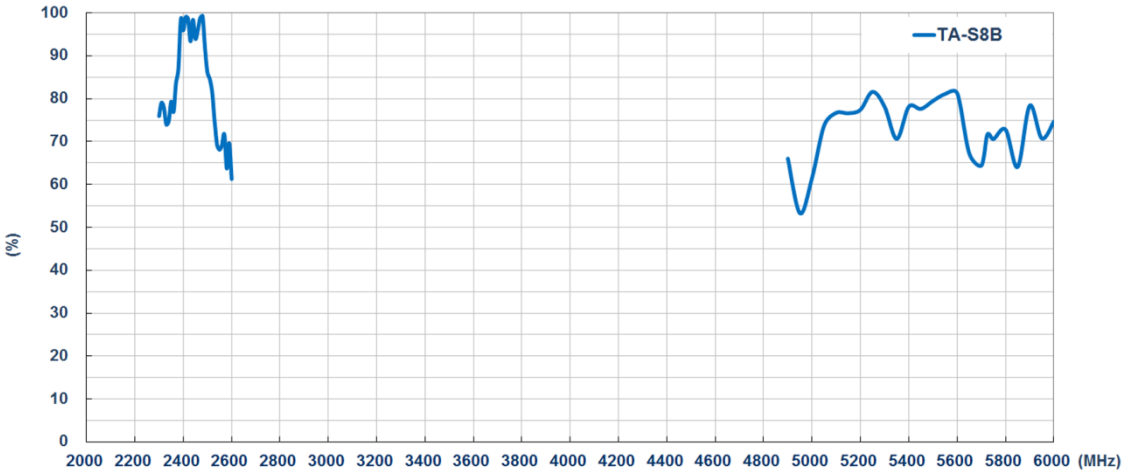
Items	WiFi Specifications						
Frequencies (MHz)	2400	2450	2500	5150	5350	5725	5850
Efficiency(%)	95.94	93.97	86.10	76.56	70.63	71.61	64.12
Average Gain(dBi)	-0.18	-0.27	-0.65	-1.16	-1.51	-1.45	-1.93
Peak Gain(dBi)	6.10	6.42	5.35	5.04	4.21	2.93	3.65
V.S.W.R	< 2.5						
Return loss (dB)	< -8						
Test Conditions	With box: 215 x 125 x 16.5 mm						
Polarization	Linear						
Impedance (Ω)	50						
Dimensions (mm)	φ 13.0(D) x 193.0(L)						
Color	Black						
Connector	SMA(M) Reverse Pin						
Operating Temperature (°C)	-40 ~ +85						
Storage Temperature (°C)	-40 ~ +85						

II. Antenna Technical Parameters:

S11 (dB)



Efficiency (%)



11F., No.2, Sec. 4, Jhongyang Rd., Tucheng Dist., New Taipei City 236, Taiwan (R.O.C.)
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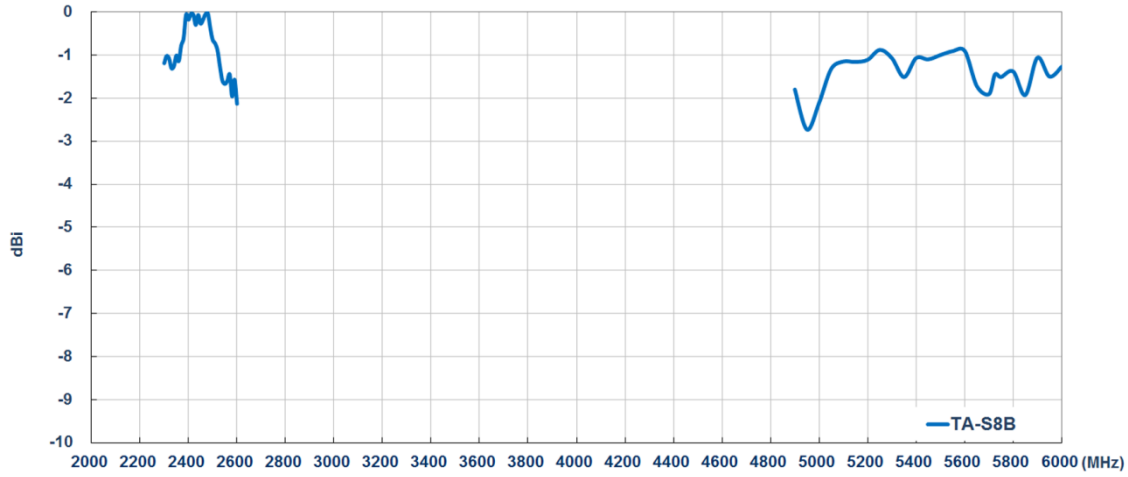
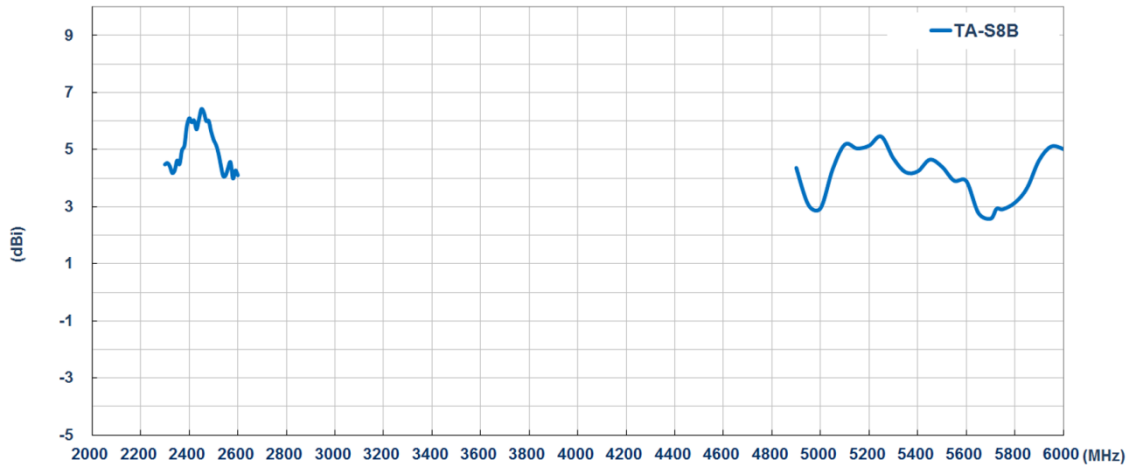
Average Gain (dBi)



Peak Gain (dBi)



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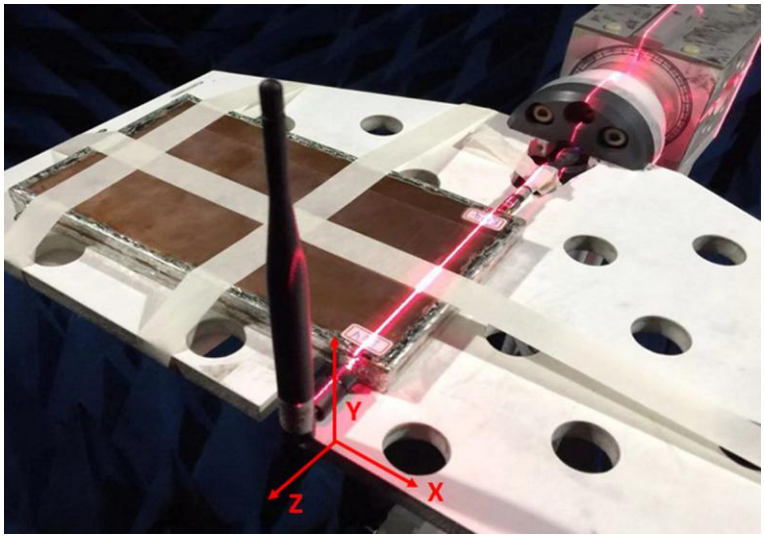
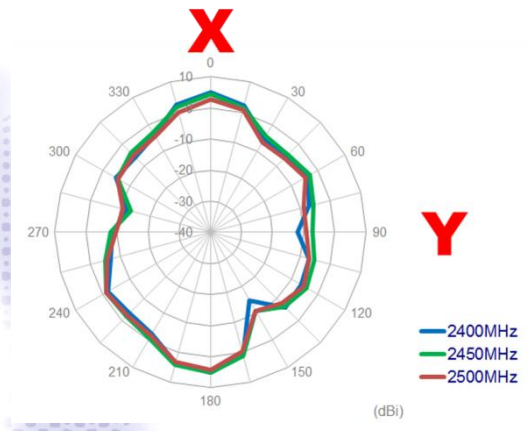
III. Antenna Radiation Pattern Measurement:

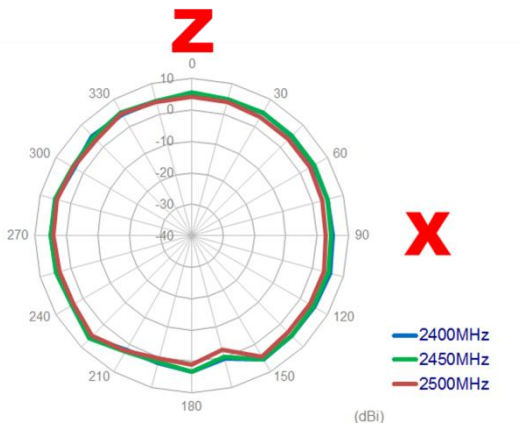
The antenna radiation patterns are measured in 3D Anechoic Chamber.

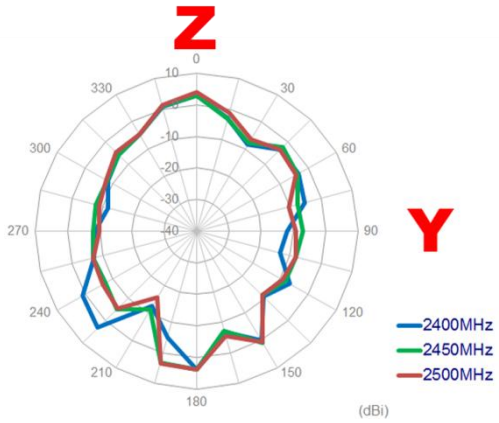
The measurement setup is as show below,

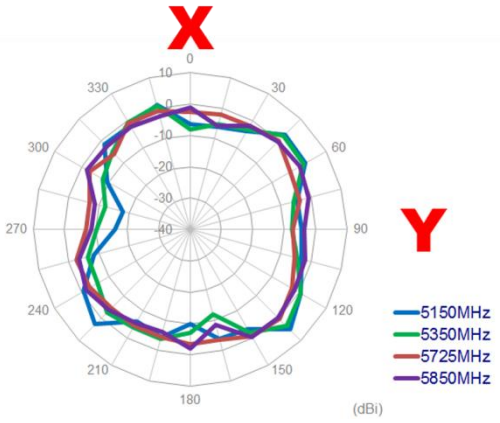


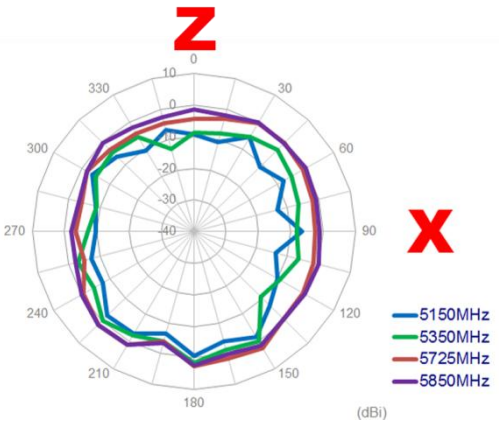
A) 2D Radiation Pattern:

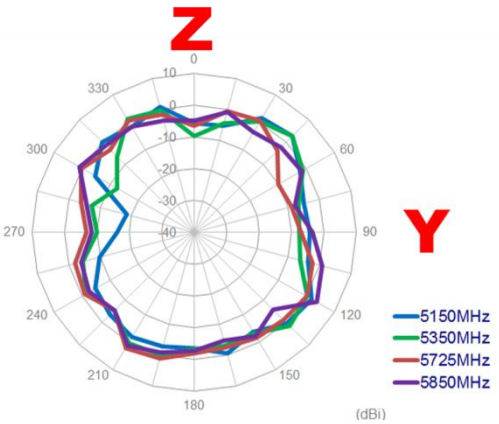






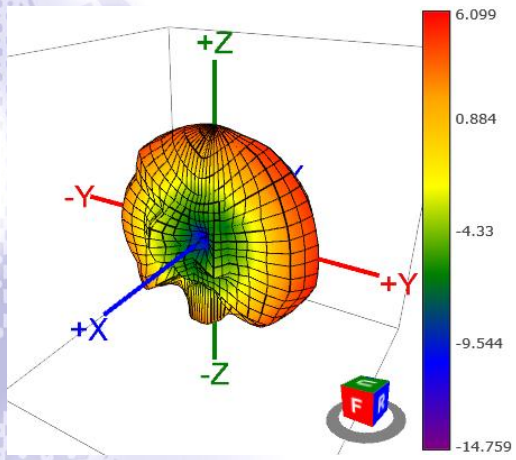




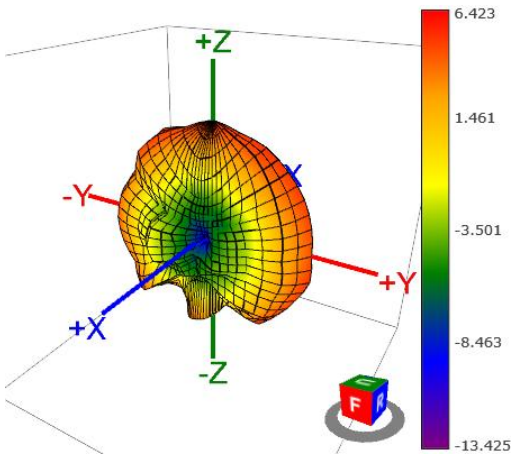


B) 3D Radiation Pattern:

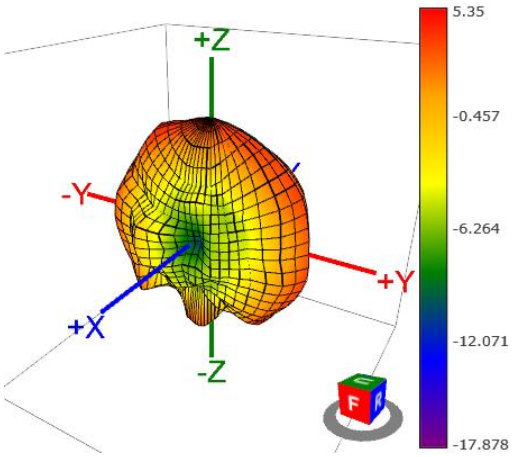
2400 MHz



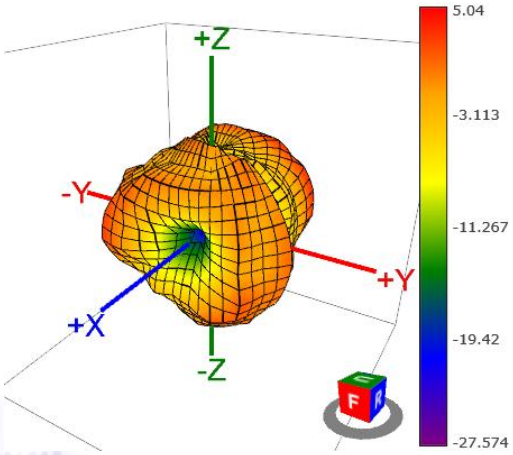
2450 MHz



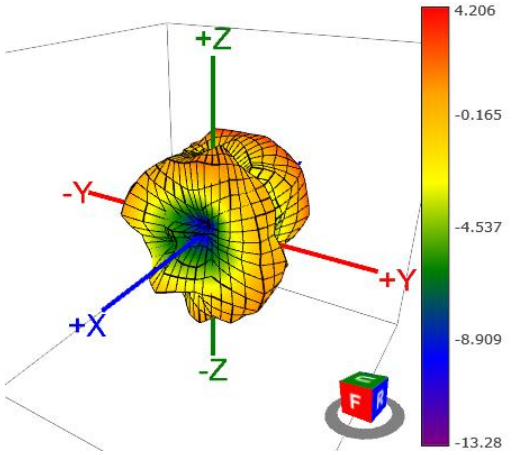
2500 MHz



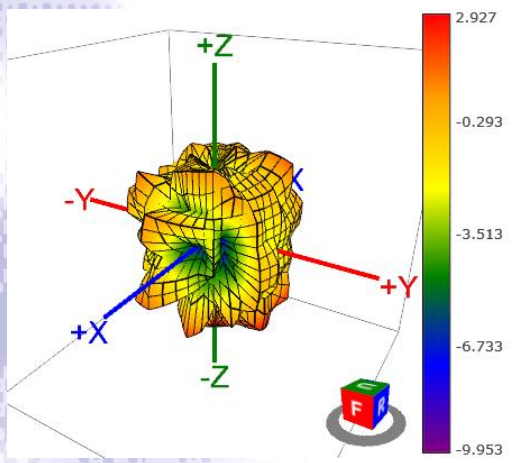
5150 MHz



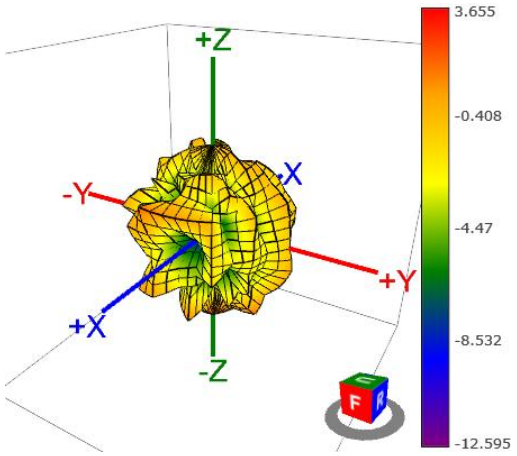
5350 MHz



5725 MHz



5850 MHz



IV. Mechanical Drawing (Unit:mm):