



Product Name: Terminal Mount WiFi Monopole Antenna

Part Number: TA-S7B-A-WE01

Features:

- Support WiFi 2.4/5GHz Bands
- High Efficiency up to 60%
- 90 ° Hinged Right Angle RSMA (M) Connector
- Straight Dimensions: 157.5 x 17.6 mm
- ROHS Compliant

Applications:

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

Terminal Mount WiFi Monopole Antenna

MODEL: TA-S7B-A-WE01

WI-RD-D-154 V1.1

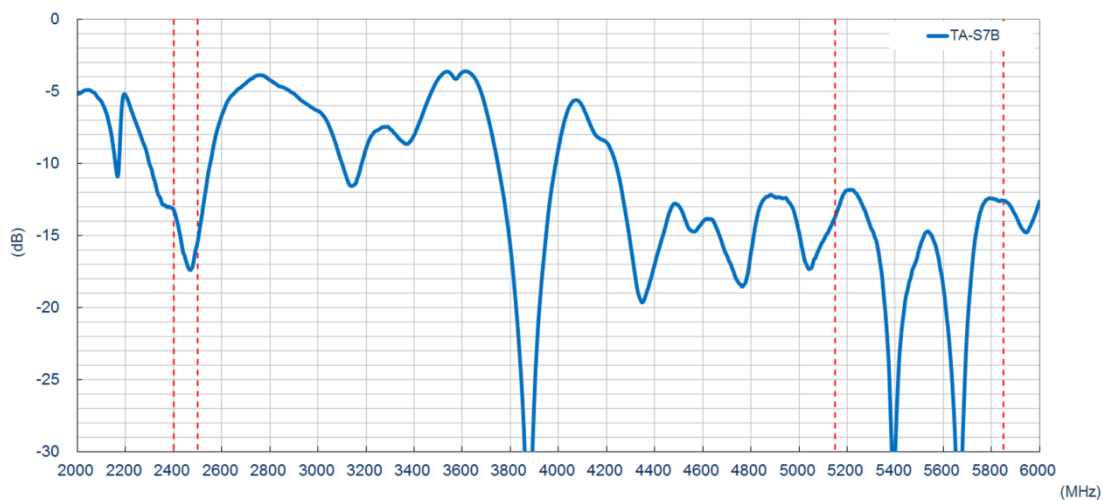
I. Specifications:

Items	Specifications						
Antenna Electrical Properties							
Frequencies	2.4~2.5GHz & 5.15~5.85GHz						
Impedance	50 Ω Nominal						
VSWR	1.92:1 Max						
Return Loss	10 dB Min.						
Frequencies (MHz)	2400	2450	2500	5150	5350	5750	5850
Efficiency (%)	90.57	90.99	75.16	79.62	75.51	79.07	63.39
Average Gain (dBi)	-0.43	-0.41	-1.24	-0.99	-1.22	-1.02	-1.98
Peak Gain (dBi)	5.14	5.35	5.04	6.00	4.83	6.39	5.45
Polarization	Linear						
Gain	5dBi						
Physical Properties							
Operating Temperature (°C)	-30~+65						
Storage Temperature (°C)	-30~+80						
Color	Black						
Cable	178Coaxial Cable						
Connector	RSMA						

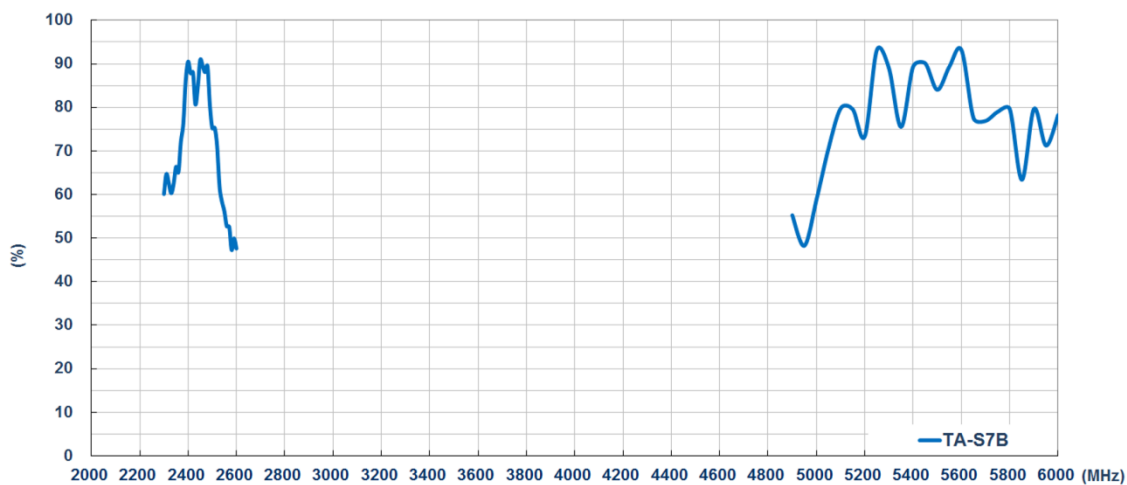
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II. Antenna Technical Parameters:

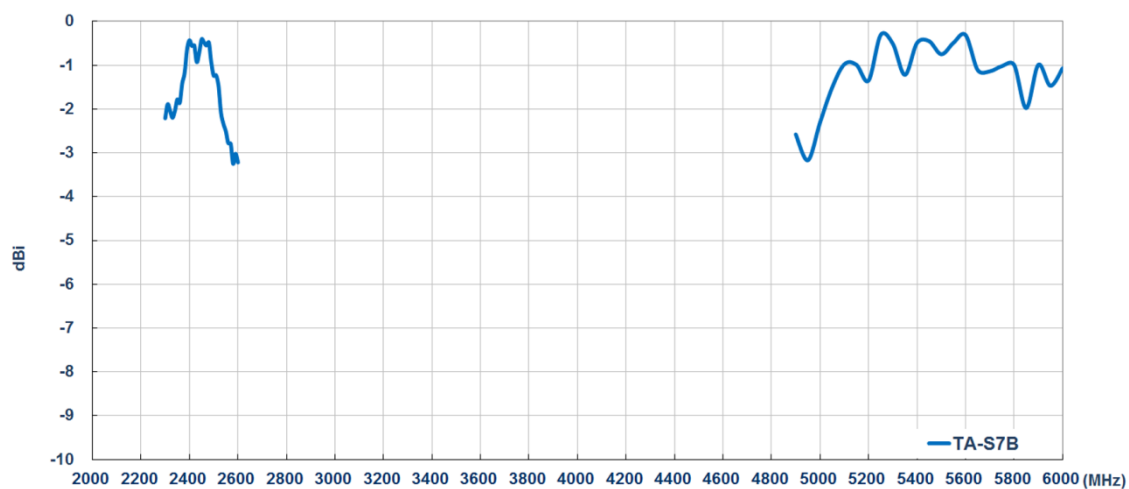
S11-parameters (dB):



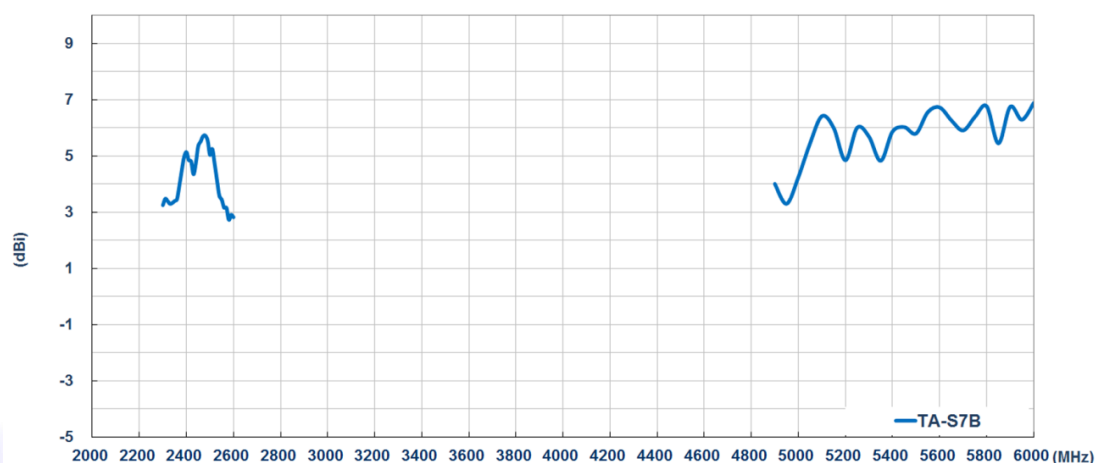
Efficiency (%):



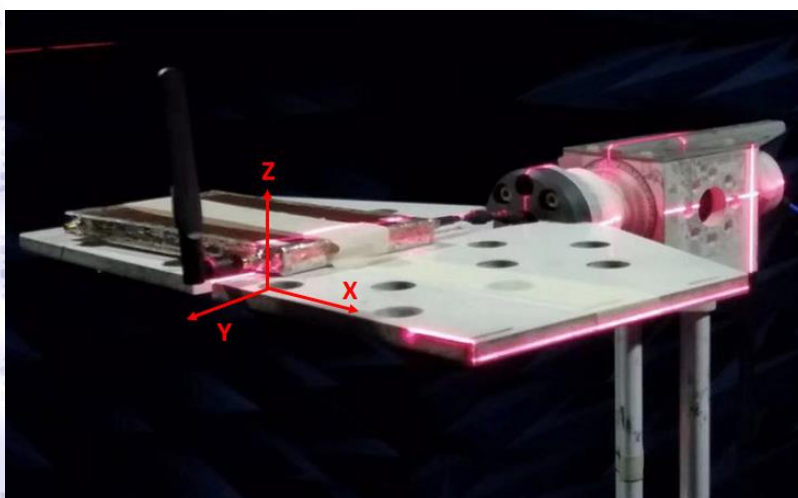
Average Gain (dBi):



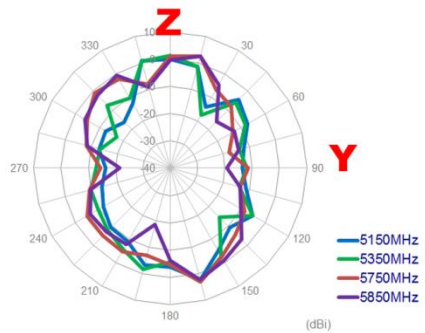
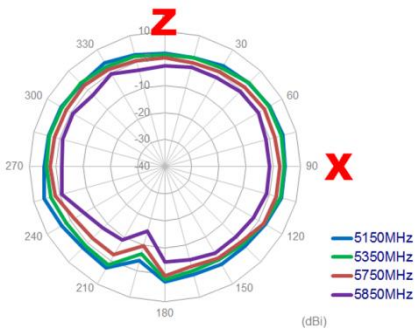
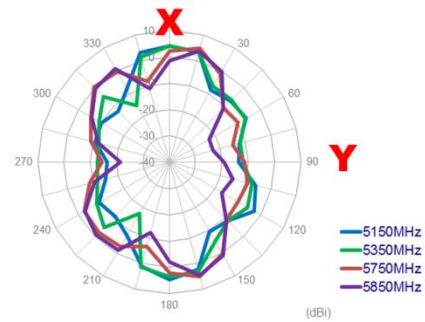
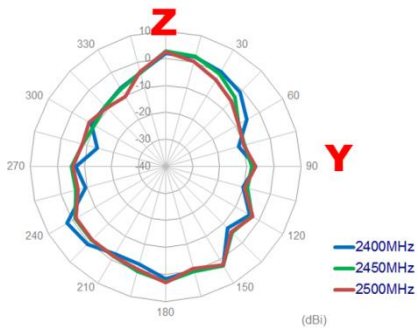
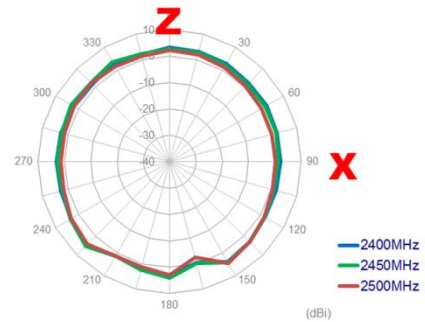
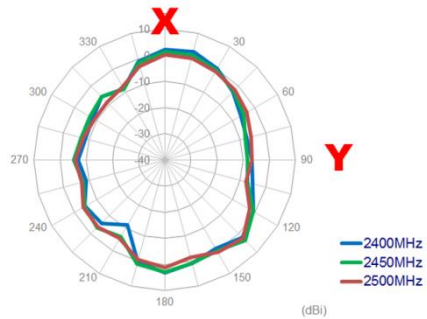
Peak Gain (dBi):



III. Antenna Radiation Pattern Measurement:



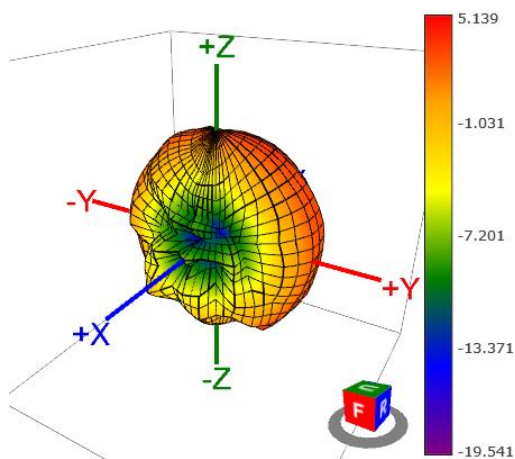
2D Radiation Pattern



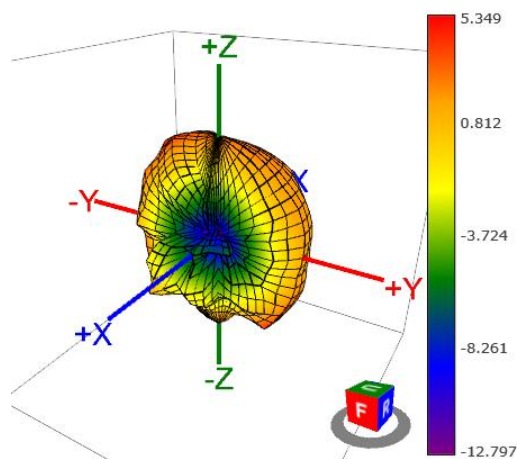
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3D Radiation Pattern

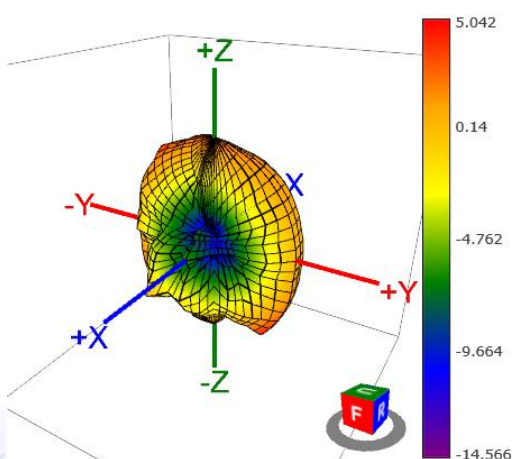
2400 MHz



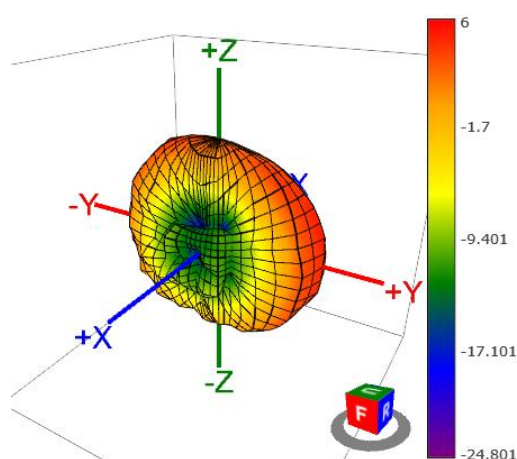
2450 MHz



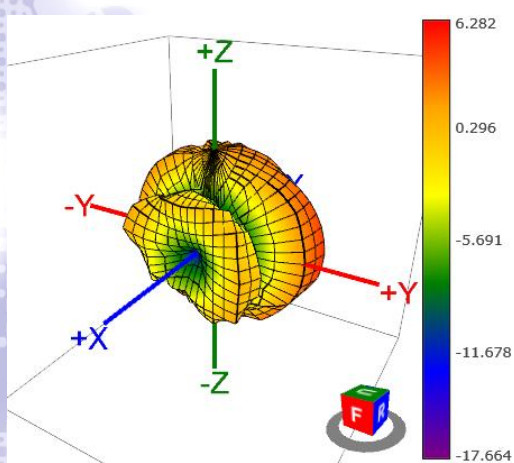
2500 MHz



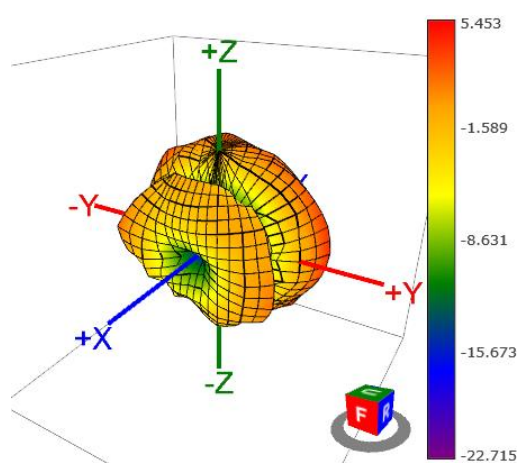
5150 MHz



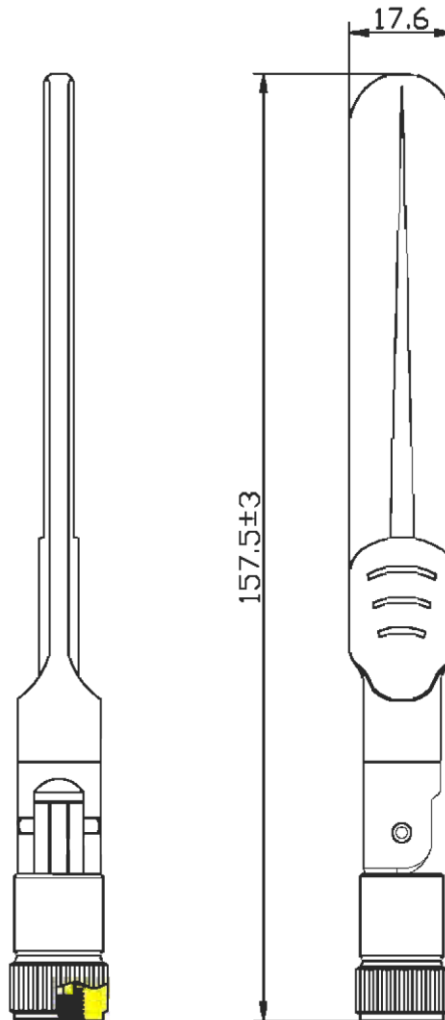
5750 MHz



5850 MHz



IV. Mechanical Drawing (Unit:mm):



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