SKYMIRR
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WiFi 6/7 Antennas And Modules

TAMP156

WiFi 6e/7 High Gain Directional Antenna

Features and Benefits

- External directional Antenna with Hinge Covering
  WiFi 2.4/5.2/6 GHz Triple Bands
- Operating Frequency Bands
  - 2400~2500MHz
  - 5100~5900MHz
  - 5925~7125MHz
- High Efficiency up to 77%
- Peak Gain: **6.6-10.0** dBi

Connector: SMA (Male)

INTRODUCTION

The **SkyMirr TAMP156 WiFi Directional Antenna** delivers high-gain, high-efficiency performance across the 2.4 GHz, 5 GHz, and 6 GHz WiFi bands. With efficiency up to **77%** and peak gain ranging from **6.6 to 10.0 dBi,** it provides focused, reliable signal delivery where standard antennas fall short. Its directional beam improves throughput, reduces interference, and extends usable range—ideal for environments that demand stable and targeted RF performance.

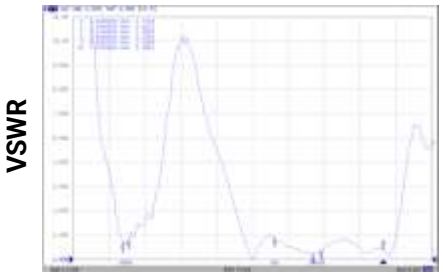
APPLICATIONS

- **Indoor coverage enhancement** for offices, homes, and commercial buildings
- **Warehouse and industrial connectivity,** delivering focused RF along aisles or long corridors
- **Point-to-point WiFi links** requiring directional precision
- **WiFi 6 / WiFi 7 access points** needing stronger, targeted performance
- **CPEs, repeaters, and IoT gateways** that benefit from high-gain, triple-band support

Performance

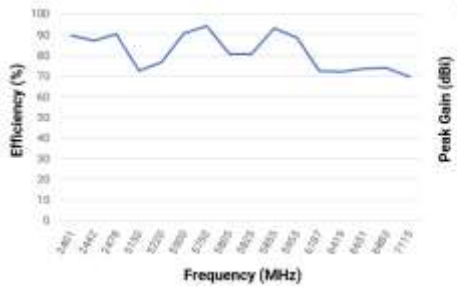
Electrical			
Frequency Range	2400-2500 MHz	5150-5850 MHz	5945-7125 MHz
Gain (Peak)	7.0 dBi	10.0 dBi	9.6 dBi
VSWR	≤2.0	≤2.5	≤2.5
Efficiency (Peak)	90%	93%	88%
Input Imped.	50Ω		
Antenna Type	Directional		
Power Rating	10 W		
Mechanical (Antenna)			
Antenna	Radome Color	Black	
	Dimensions (w x h x d)	75.52 x 133.58 x 25.26 mm	
Connector	SMA-Male		
Weight	60g		

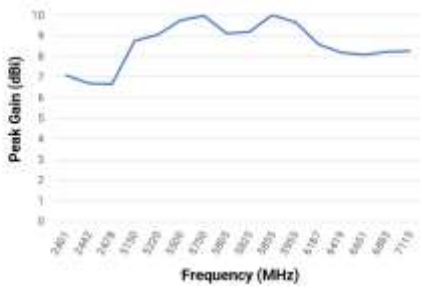
VSWR



Peak / Gain Efficiency

Frequency [MHz]	2401	2442	2478	5150	5220	5500	5750	5805	5825	5855	5955	6187	6419	6651	6883	7115
Efficiency [%]	89.6	87.3	90.3	72.6	76.8	90.7	94.2	80.9	80.6	93.4	88.7	72.6	72.0	73.6	73.8	69.8
Peak Gain [dBi]	7.1	6.7	6.7	8.8	9.0	9.8	9.98	9.1	9.2	10.0	9.7	8.6	8.2	8.1	8.2	8.3





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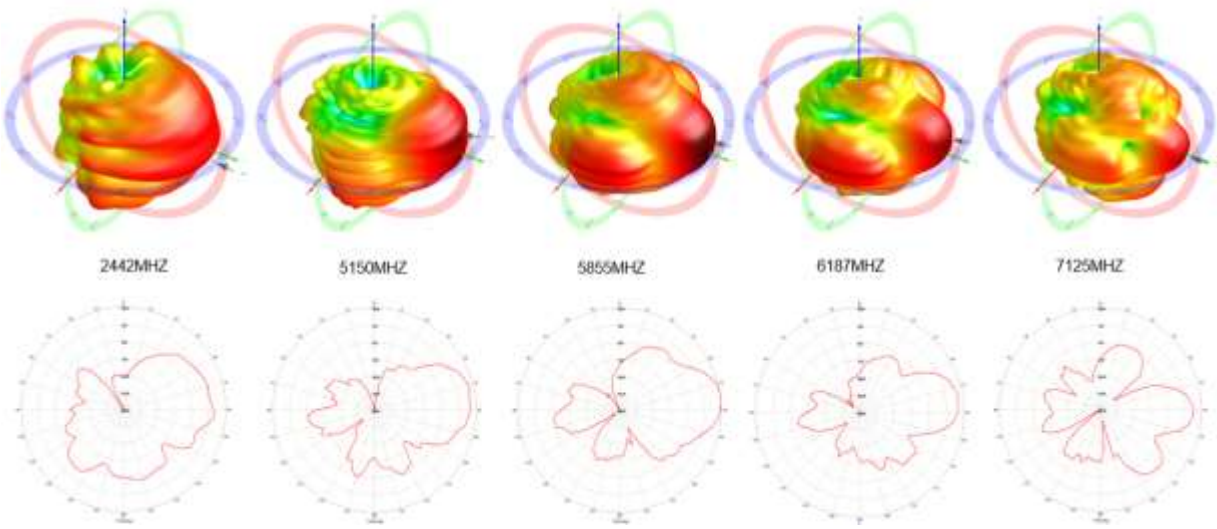
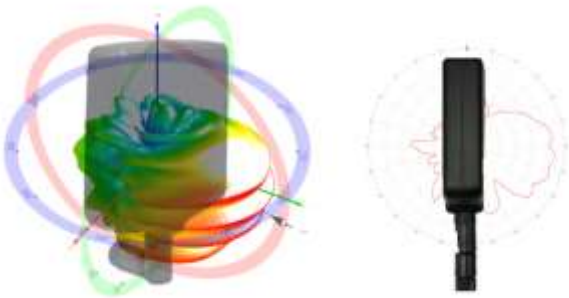
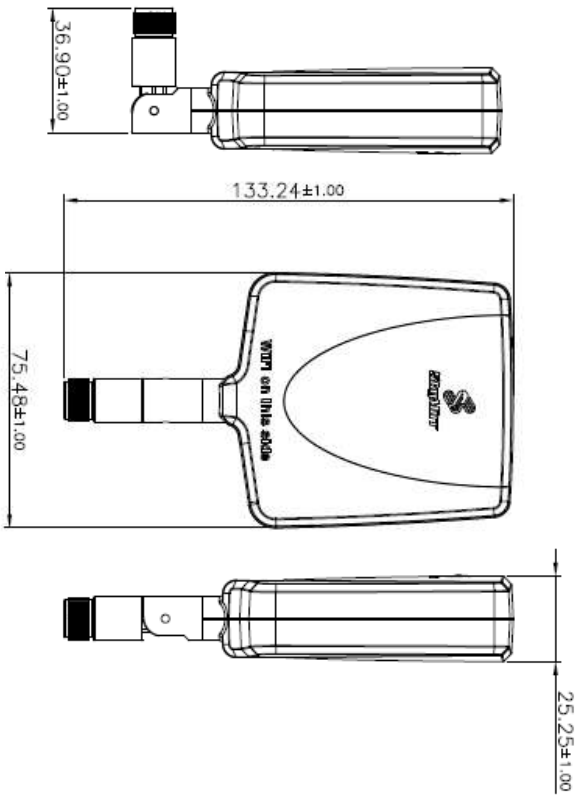
Radiation Pattern



Antenna Radiation Direction



Dimension (unit: mm)



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