

Antenna Specification

1. Summary

Design Specifications	Typical	Units
天线类型(Antenna Type)	Sharpnel Antenna	
工作频率(Working Frequency)	2400-2500	MHz
工作温度(Operation Temp)	-20 ~ +70	°C
储存温度(Storing Temp)	-20 ~ +80	°C
接触阻抗(impedance)	50	ohm
电压驻波比(VSWR)	<2	
天线效率(Antenna efficiency)	52.72 ~ 58.58	%
增益(Antenna Gain)	2.0 ~ 2.84	dBi
辐射方向(Radiation pattern)	全向	
功率容量(Power handling)	33	dBm
天线尺寸(Overall dimensions)	Refer to page8	

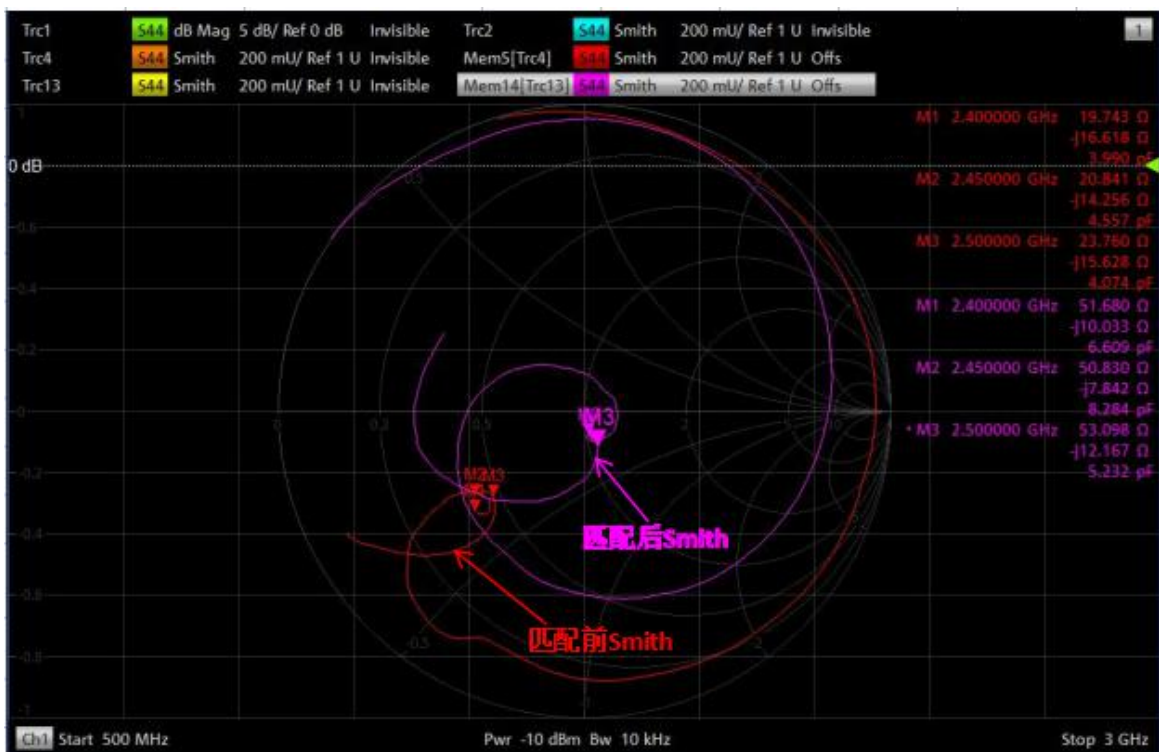
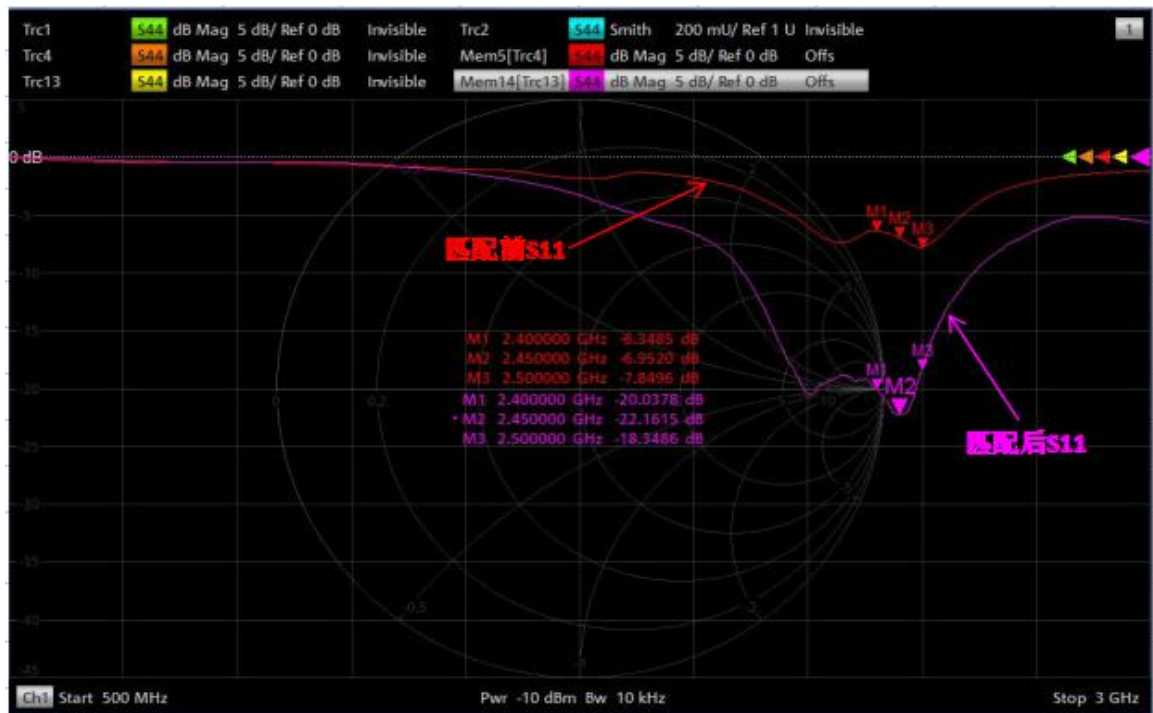
2. Antenna Photo



3. VSWR

频段	频率 (MHz)	Log
2.4G WiFi	2400	-20.03
	2500	-18.34

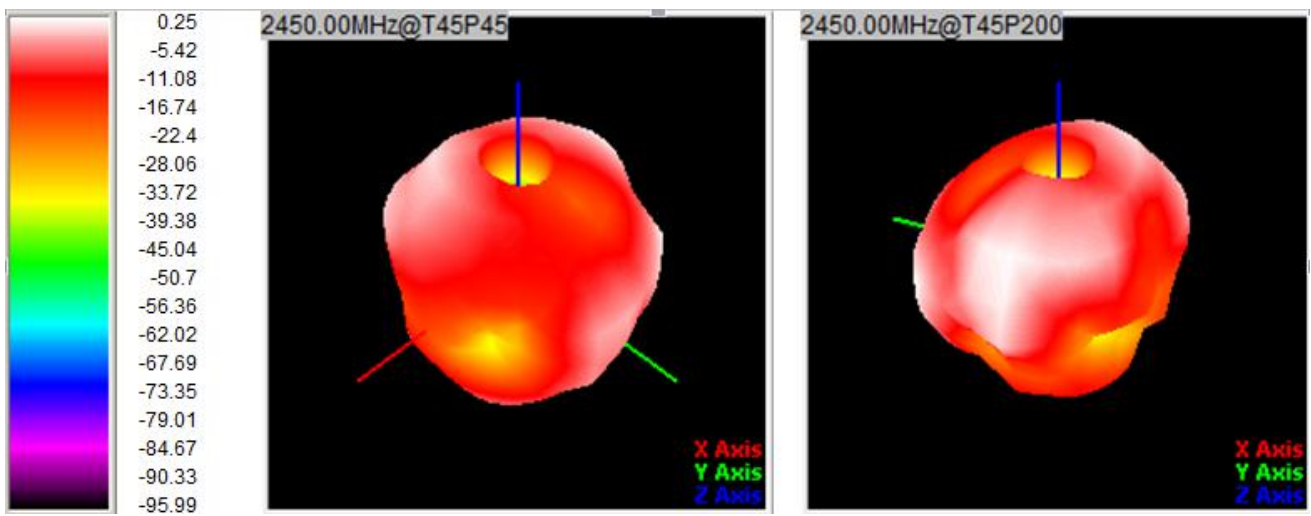
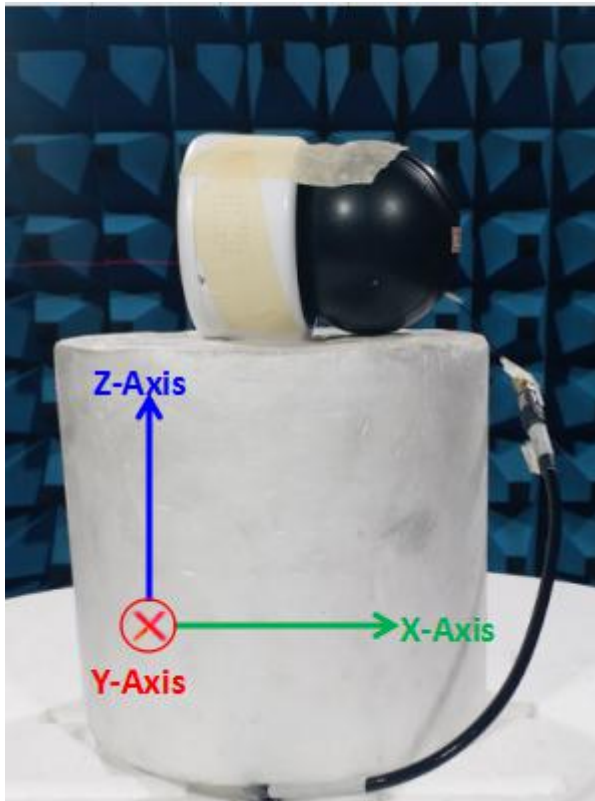
4. SWR



5. Antenna Efficiency

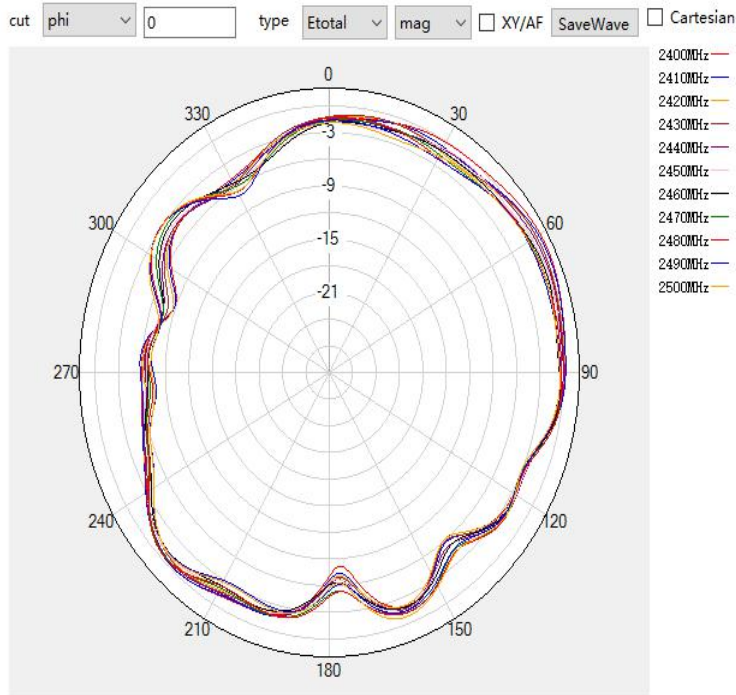
Gain&Efficiency 增益和效率			
frequency 频率(MHz)	gain 增益(dB)	efficiency 效率(dB)	efficiency 效率(%)
2400	2.41	-2.32	58.58%
2410	2.59	-2.33	58.54%
2420	2.25	-2.55	55.64%
2430	2.57	-2.51	56.15%
2440	2.84	-2.47	56.65%
2450	2.46	-2.55	55.59%
2460	2.35	-2.66	54.15%
2470	2.72	-2.51	56.07%
2480	2.55	-2.48	56.49%
2490	2	-2.78	52.72%
2500	2.19	-2.67	54.04%
Average	2.45	-2.53	55.87%

6. 3D Pattern

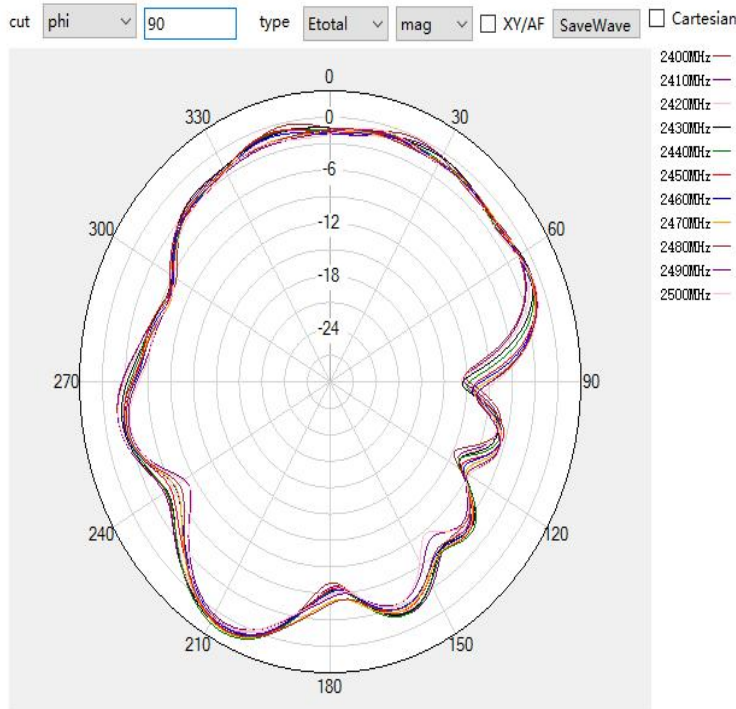


7. 2D Pattern

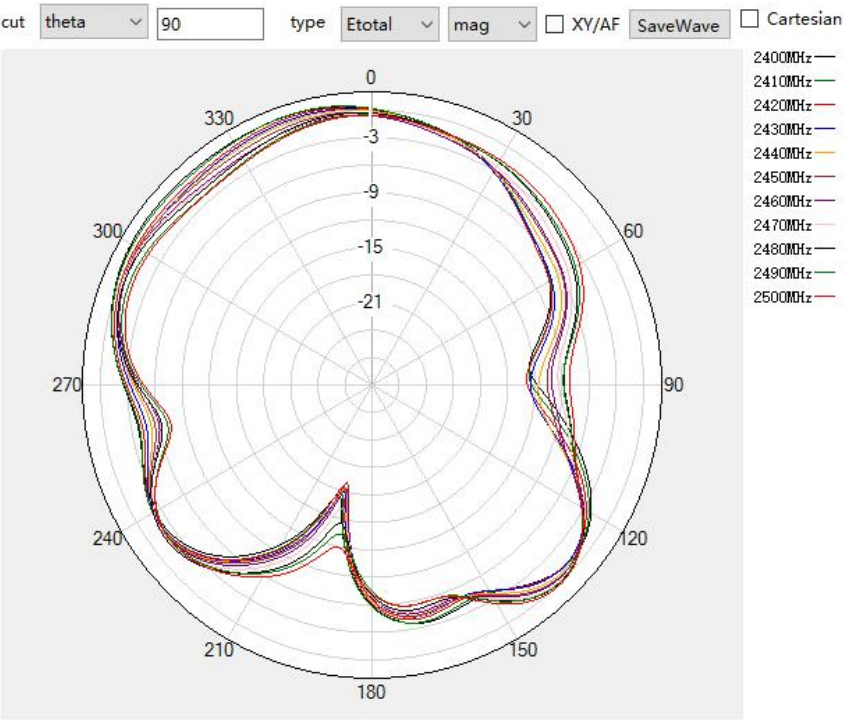
E1-Plane (Phi=0°)



E2-Plane (Phi=90°)



H-Plane (Theta=90°)



8. Dimension

Unit:mm

