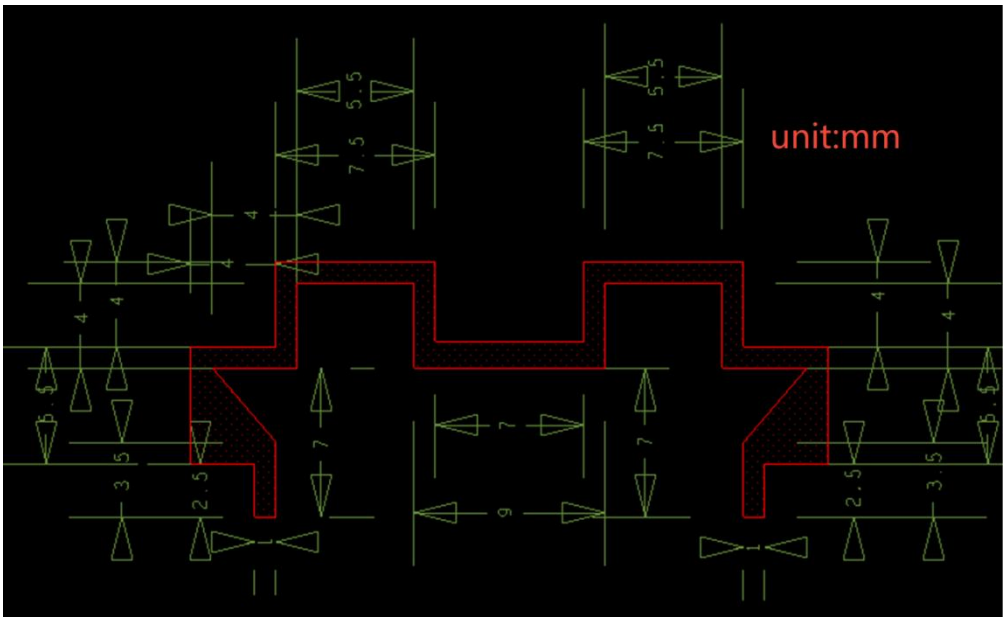
RT-WT501 Antenna Specification

Date	Description	Author	Note
20240926	Initial release	Tony.Zhong	None

1. General Description:

Manufacturer:	SHENZHEN RTI-TEK CO.,LTD.
Address:	Room 802, Tower A, Huizhi R&D Center, Longteng Community, Xixiang Street, Bao'an District, Shenzhen City, Guangdong Province, P. R. China. (Multi-site Enterprise under One Business License)
Product Name:	Smart Water Timer
Product model:	RT-WT501
Antenna type:	PIFA antenna
Test Frequency:	2.4GHz~2.5GHz
Peak gain: (dBi)	5.54dBi

2. Antenna Model and Dimensions

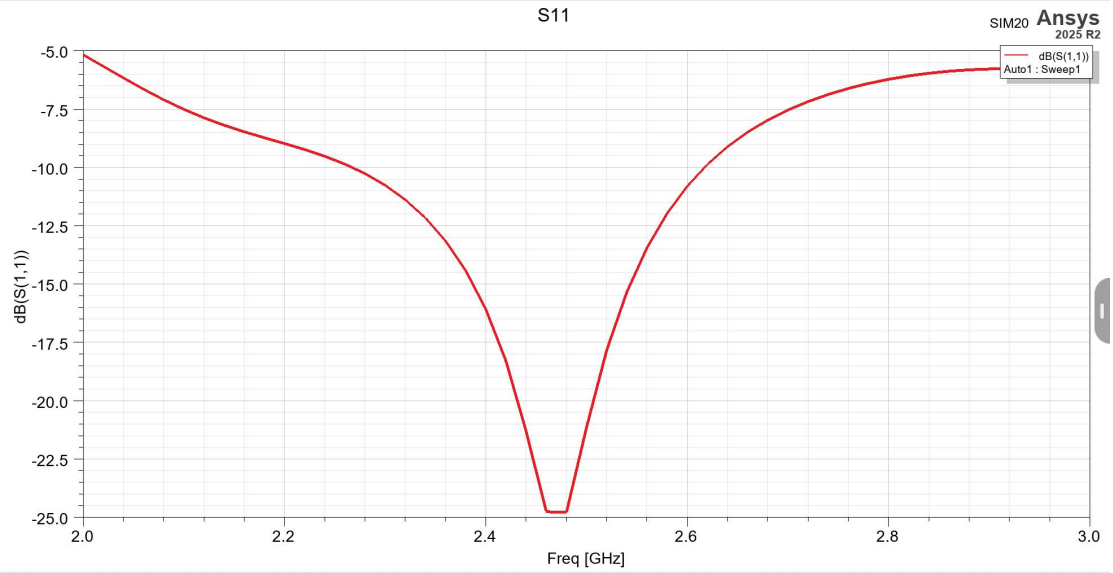


3. Antenna Specification

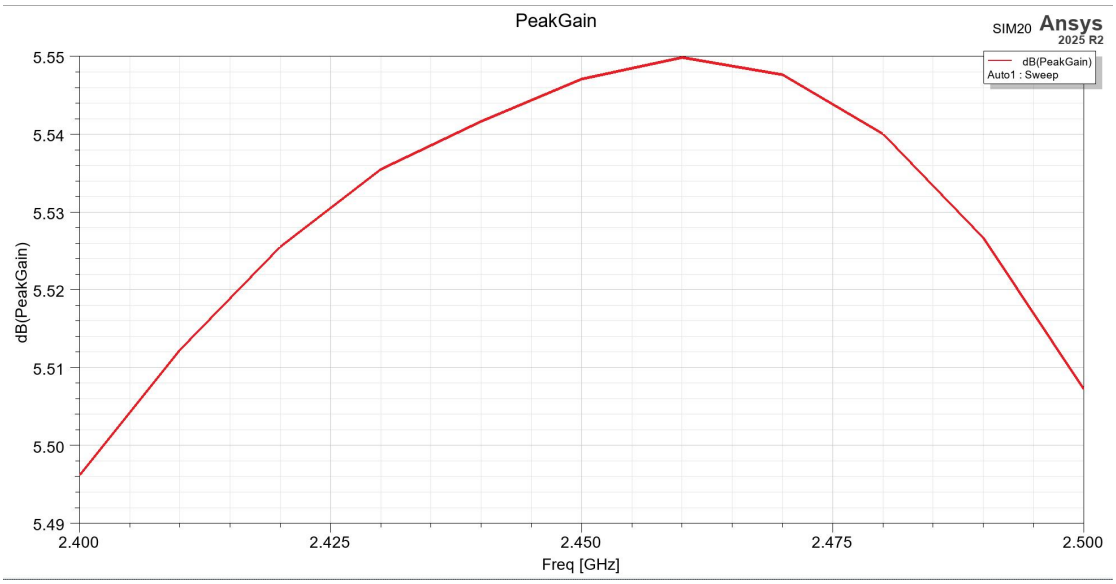
3.1 VSWR

Frequency	S11
2.4GHz~2.5GHz	<-10dB

S11：

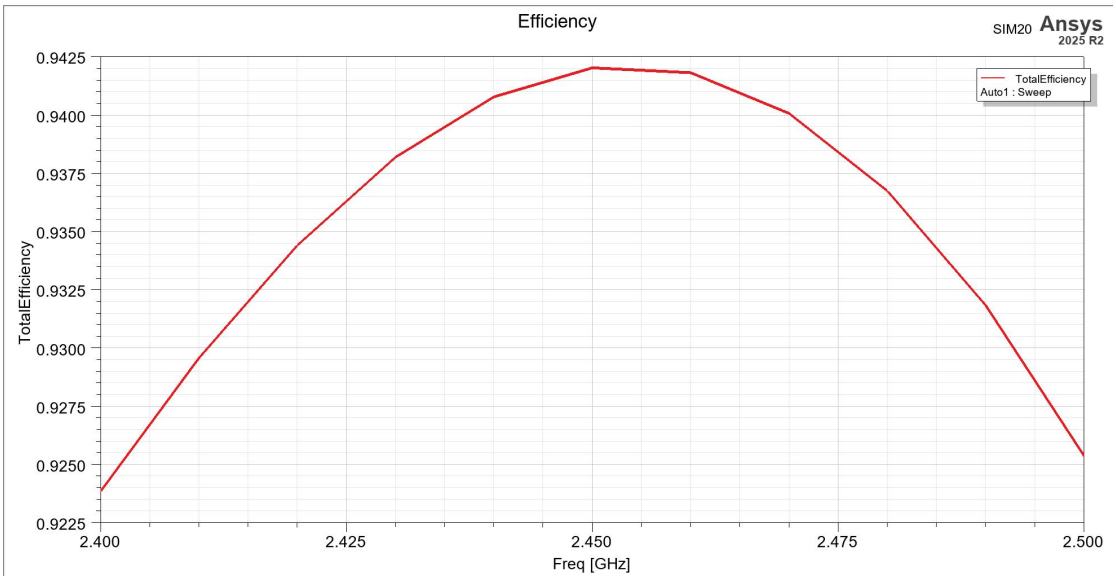


3.2 Gain



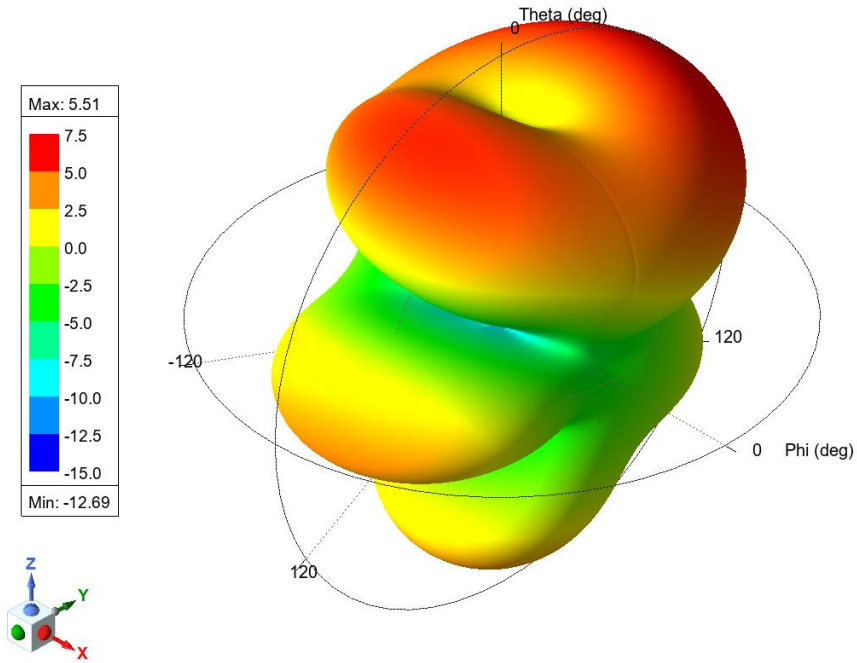
3.3 Efficiency

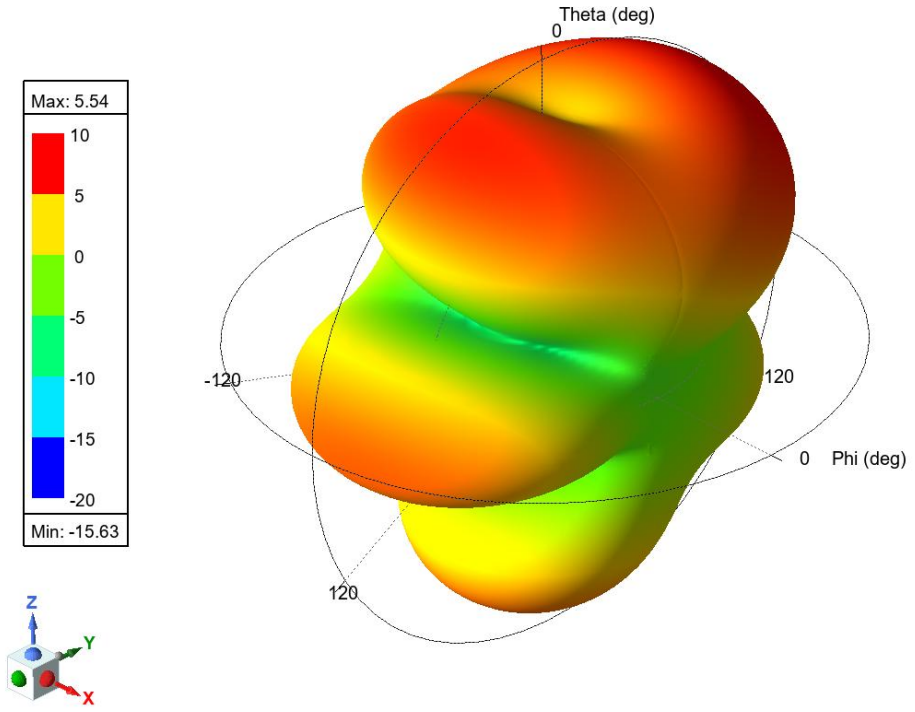
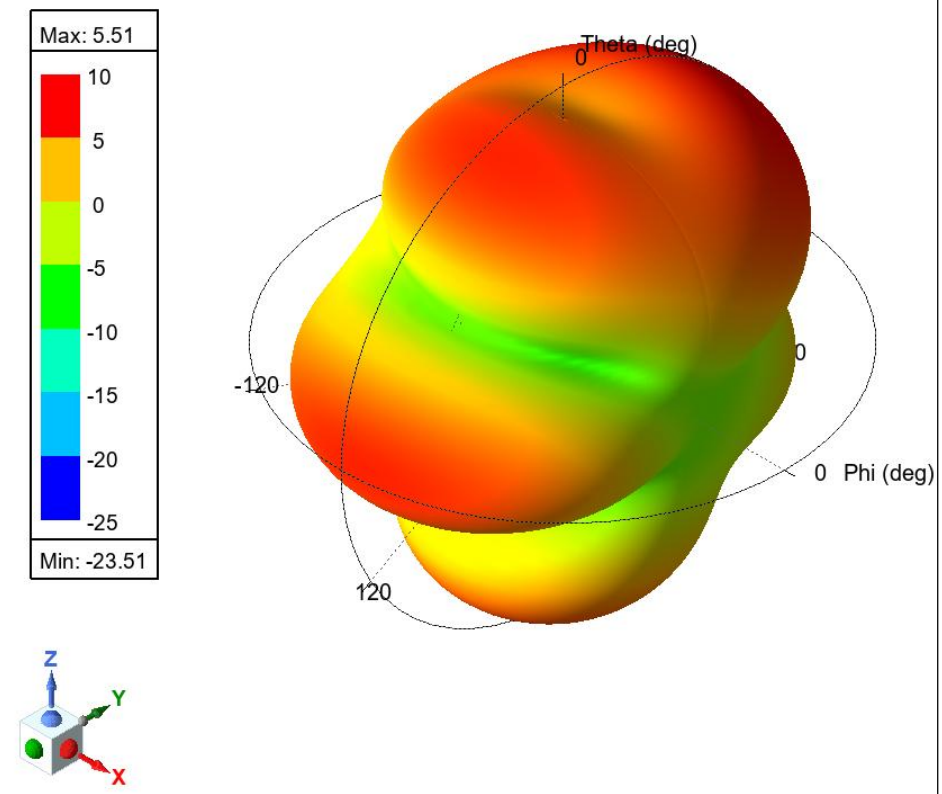
Radiation efficiency is more than 90%.



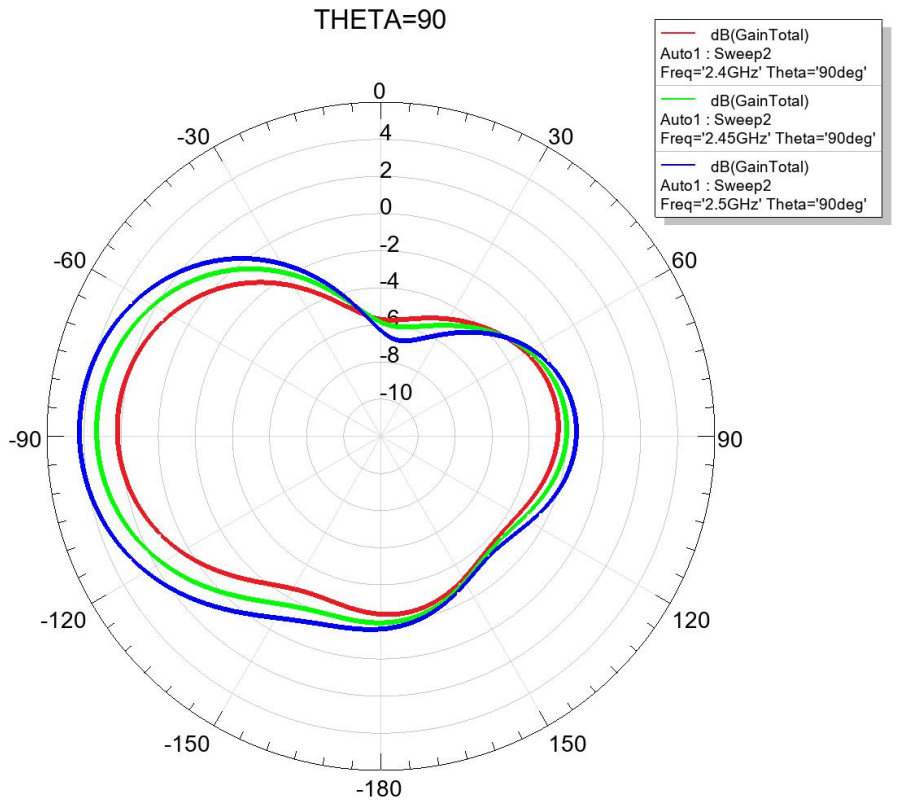
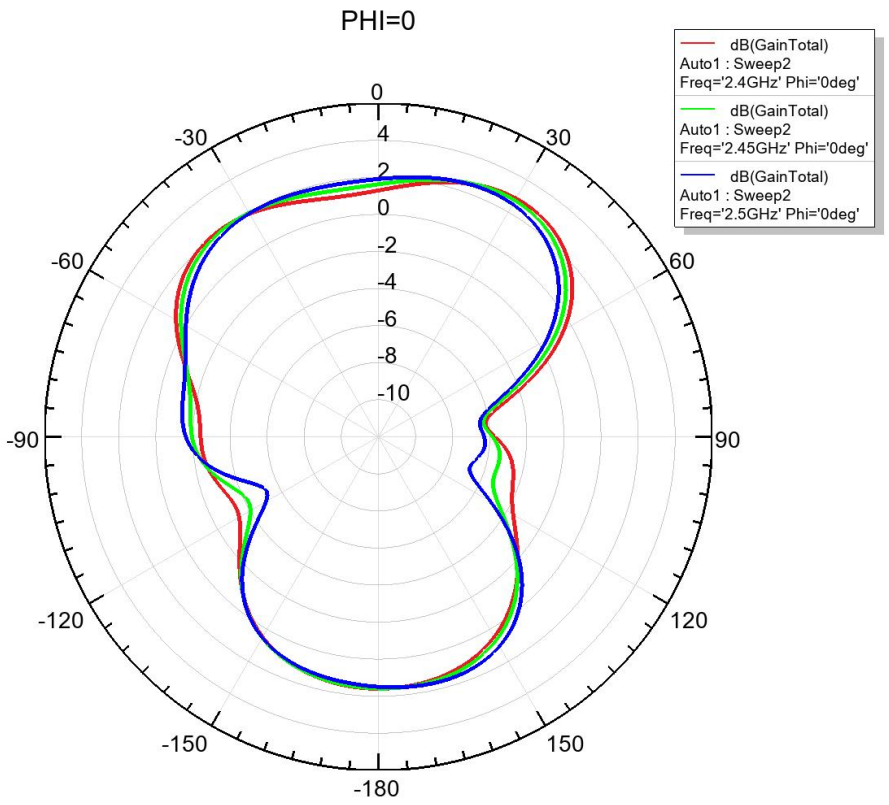
3.4 Antenna Radiation Pattern

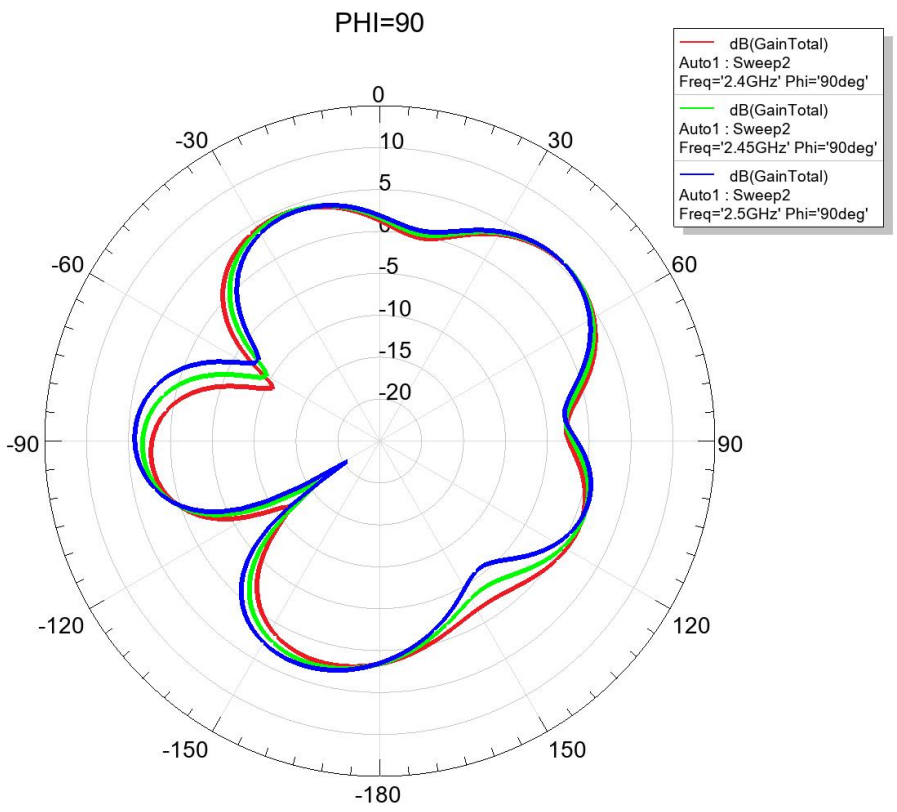
3.4.1 3D Pattern

2.40GHz	

2.45GHz	
2.50GHz	

3.4.2 **2D Pattern**

Theta=90°	
Phi=0°	

Phi=90°	

4. Summary

All indexes of the antenna meet the requirements.