

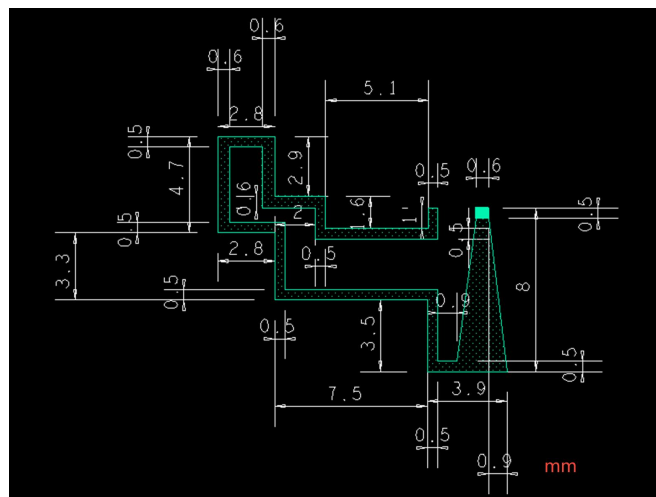
RT-STH2W Antenna Specification

Date	Description	Author	Note
20251109	Initial release	Tony.Zhu	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 Temperature Humidity Sensor
Product model:	RT-STH2W
Antenna type:	PIFA antenna
Test Frequency:	2.4GHz~2.5GHz
Peak gain: (dBi)	5.48dBi

2. Antenna Model and Dimensions

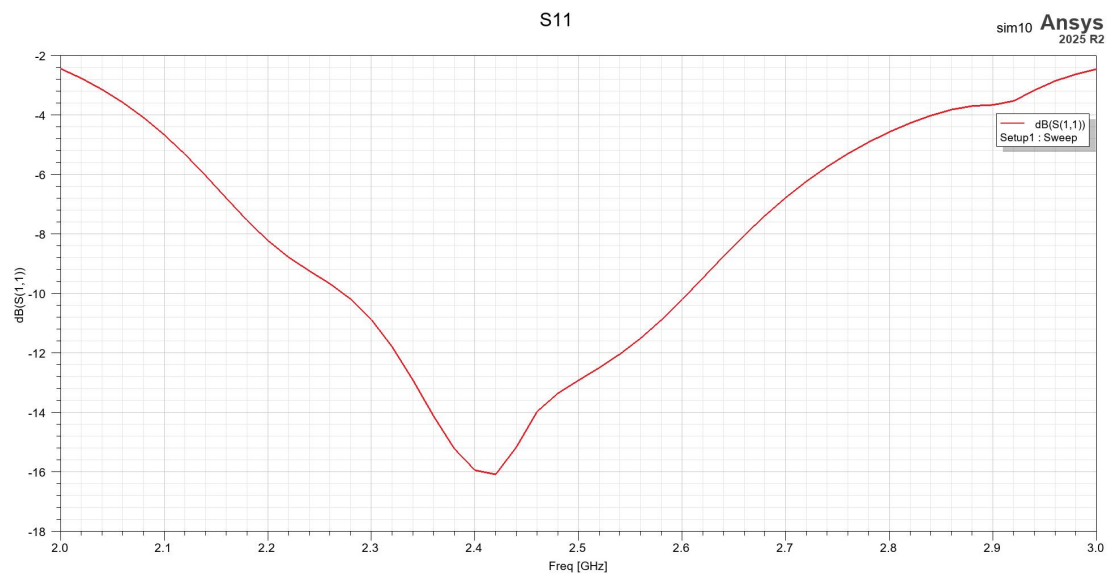


3. Antenna Specification

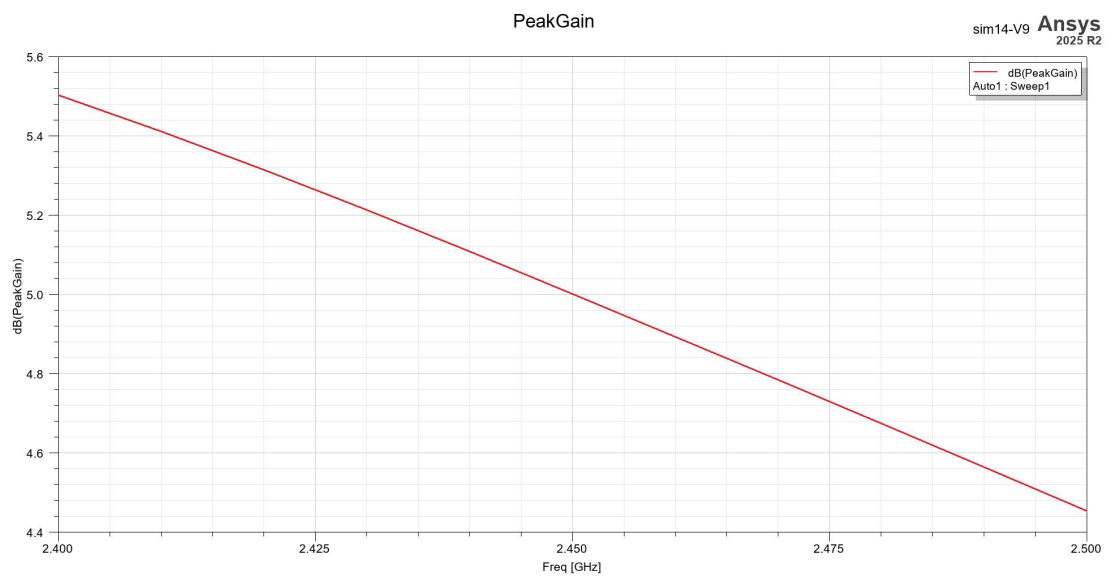
3.1 VSWR

Frequency	S11
2.4GHz~2.5GHz	<-10dB

3.2 S11

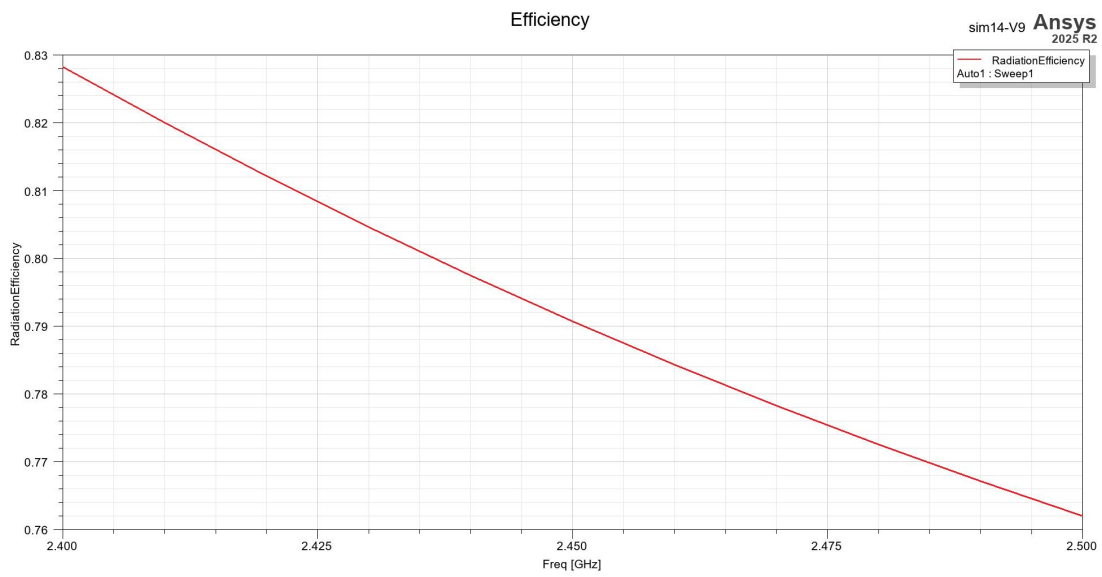


3.3 Gain



3.4 Efficiency

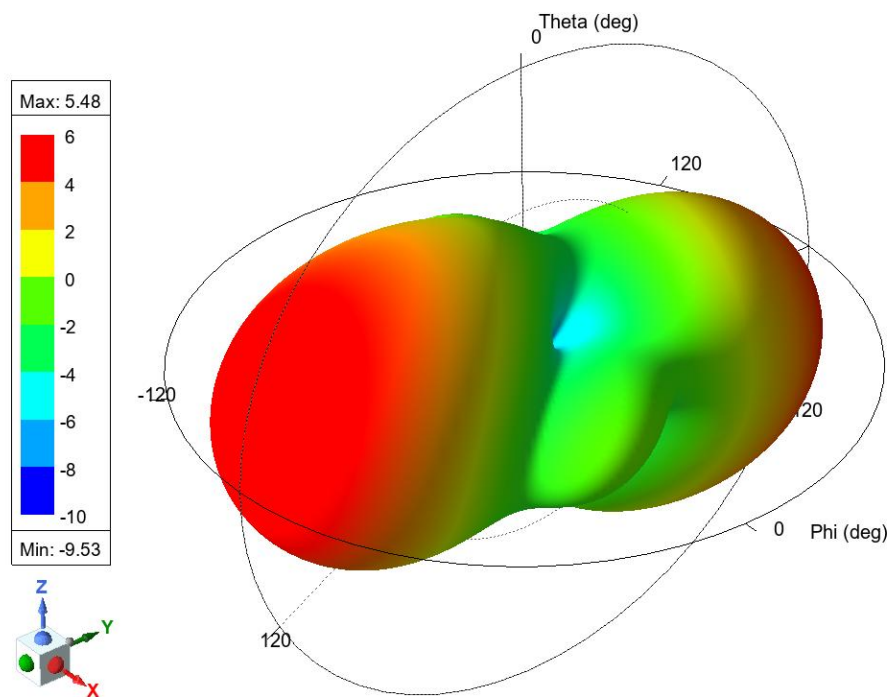
Radiation efficiency is more than 76%.



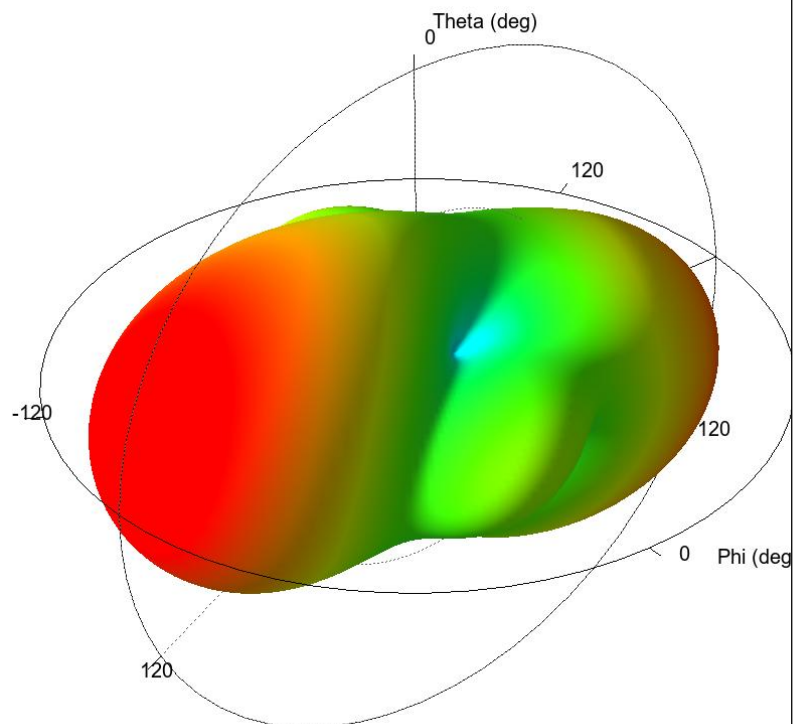
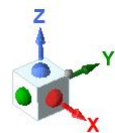
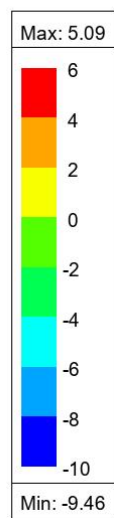
3.5 Antenna Radiation Pattern

3.5.1 3D Pattern

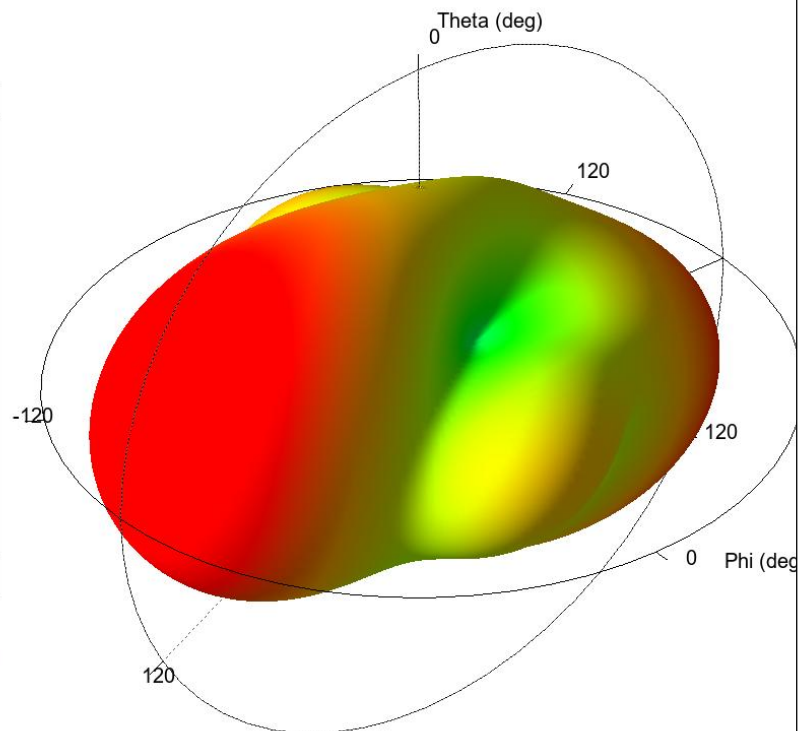
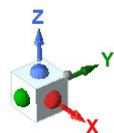
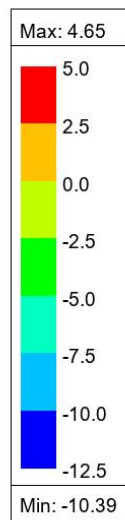
2402MHz



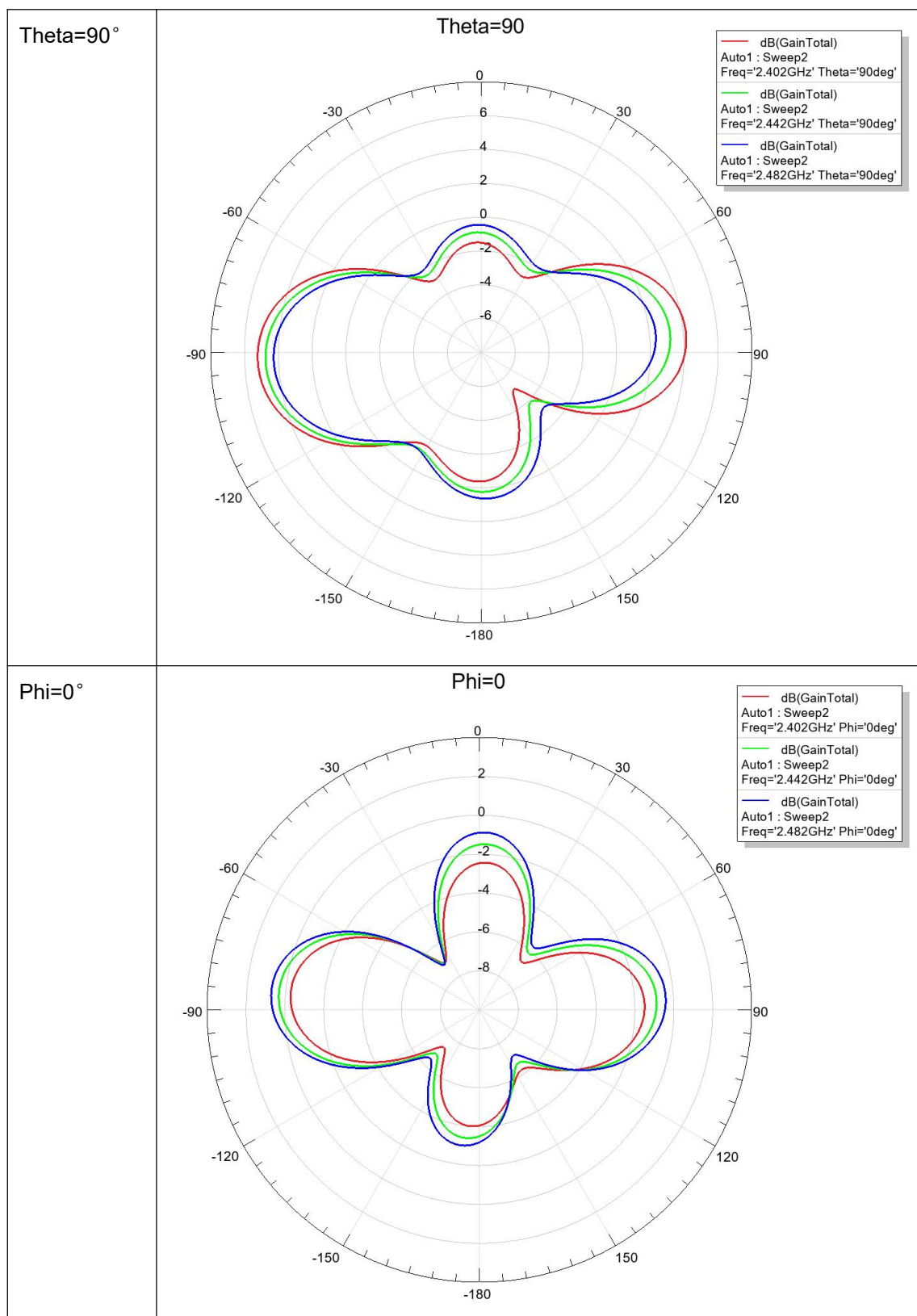
2442MHz

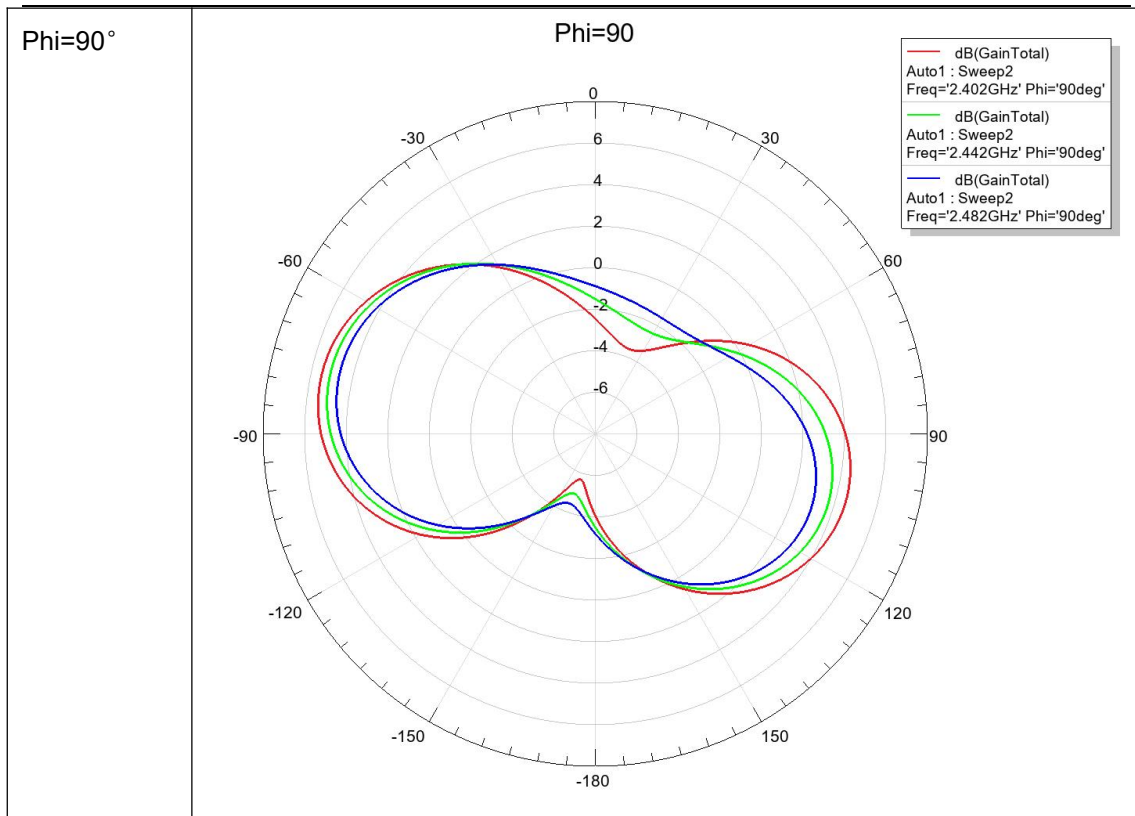


2482MHz



3.5.2 2D Pattern





4. Summary

All indexes of the antenna meet the requirements.