

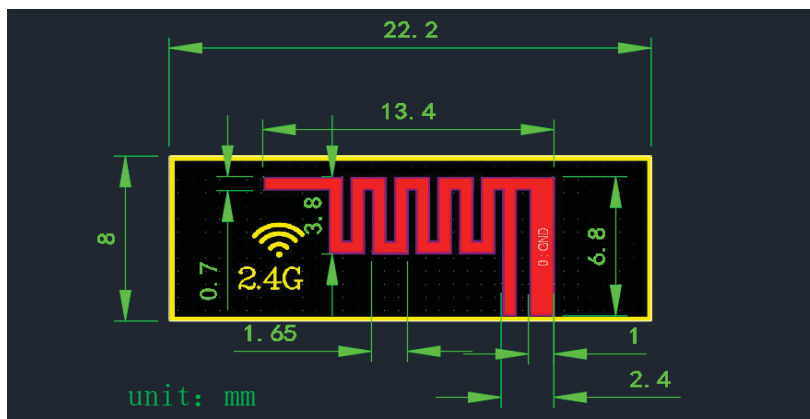
Product specification

Quick Reference Data

Antenna type	PCBAntenna e system board	
Frequency Range	2400 ~ 2480MHz	
Ant. Port Input Pwr. (dBm)	0 (Typ. BT class 2 output power)	
Tot. Rad. Pwr. (dBm)	-1.2 (Input pwr – loss pwr)	
Peak EIRP(dBm)	1.2	
Directivity (dBi)	1.2 (all direction antenna)	
Efficiency (dB)	6 0.2 %	
Gain (dBi)	1.2	
Maximum Power (dBm)	1.7 (XY-plane)	
Minimum Power (dBm)	-4(XY-plane)	
Avg. Power (dBm)	-0.5(XY-plane)	
Input Impedance(ohm)	50	
Polarization Type	Vertical & Horizontal	
V . S . W . R	< 1.4	

All the technical data and information contained herein are subject to change without prior notice

Antenna Layout & module on the system board

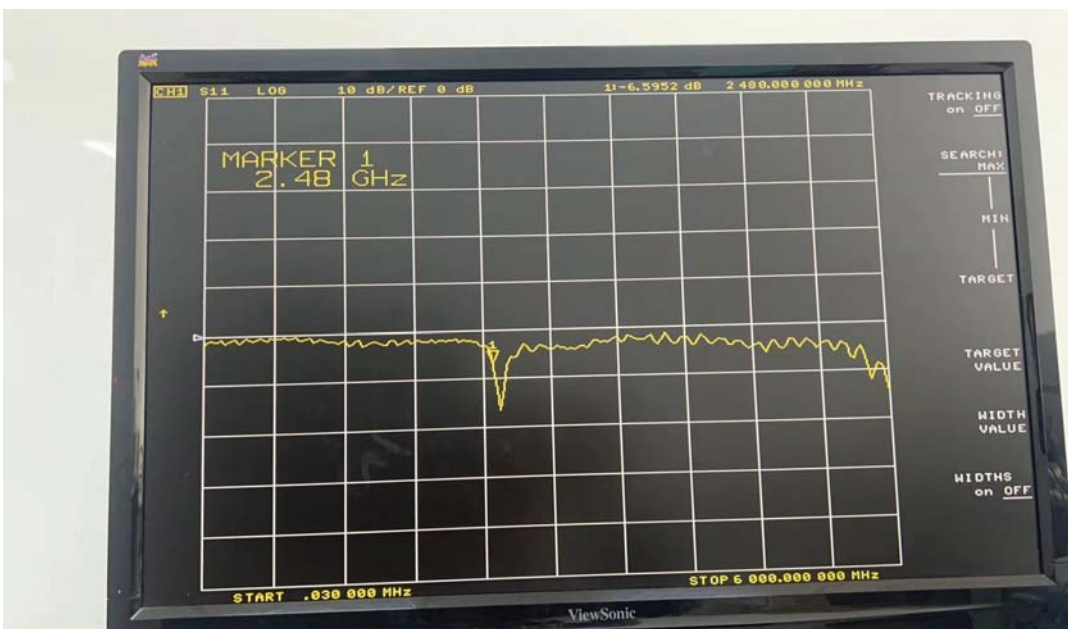
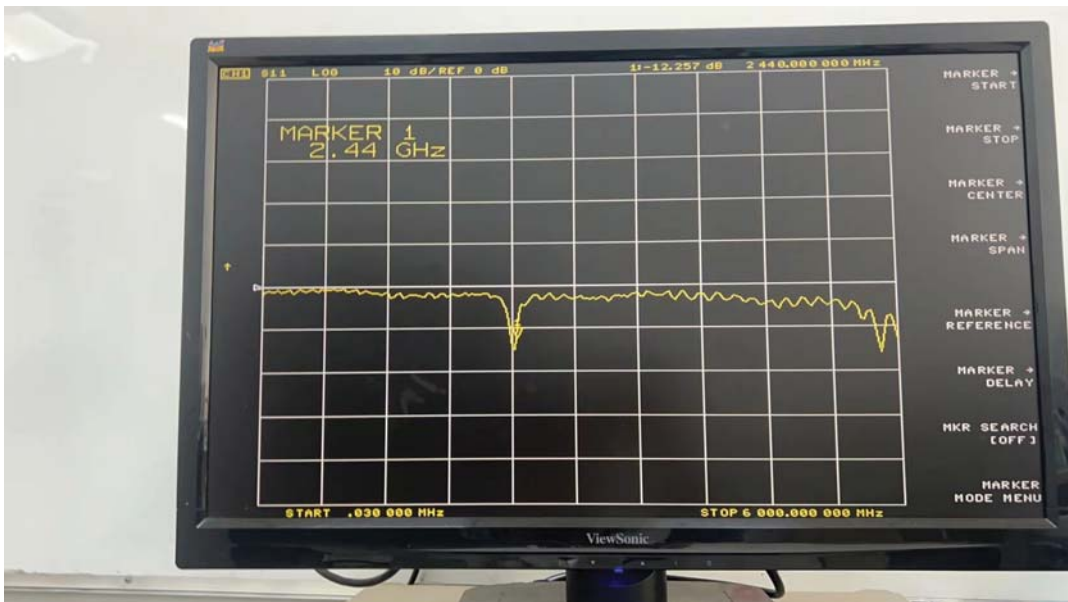
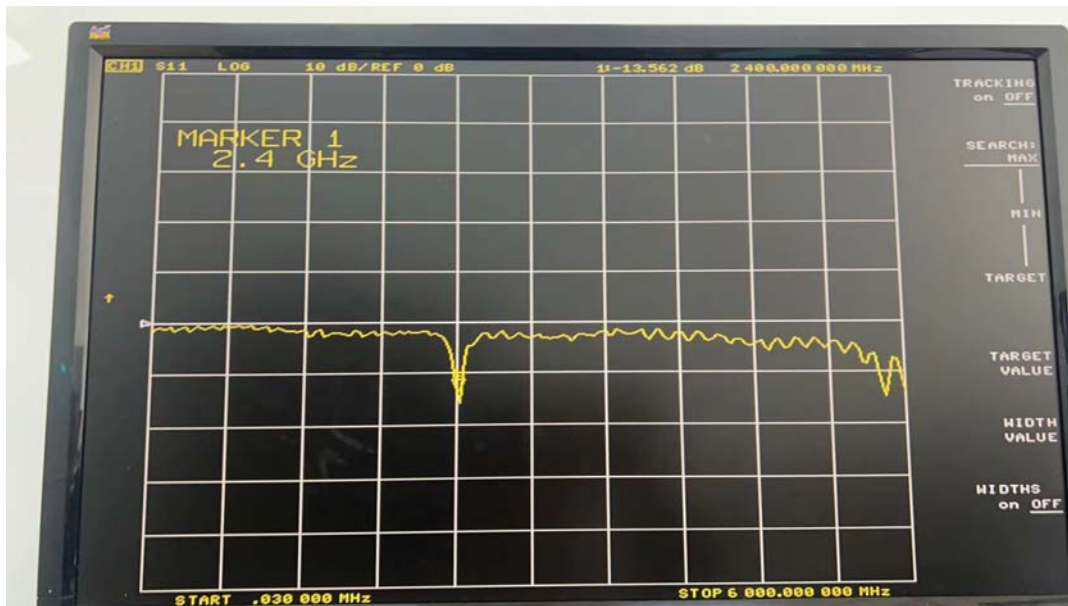


Antenna Gain

Gain Table

Unit in dBi @2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	1.2	-0.5	1.2	-3.6	1.1	-3.0	6 0.2 %

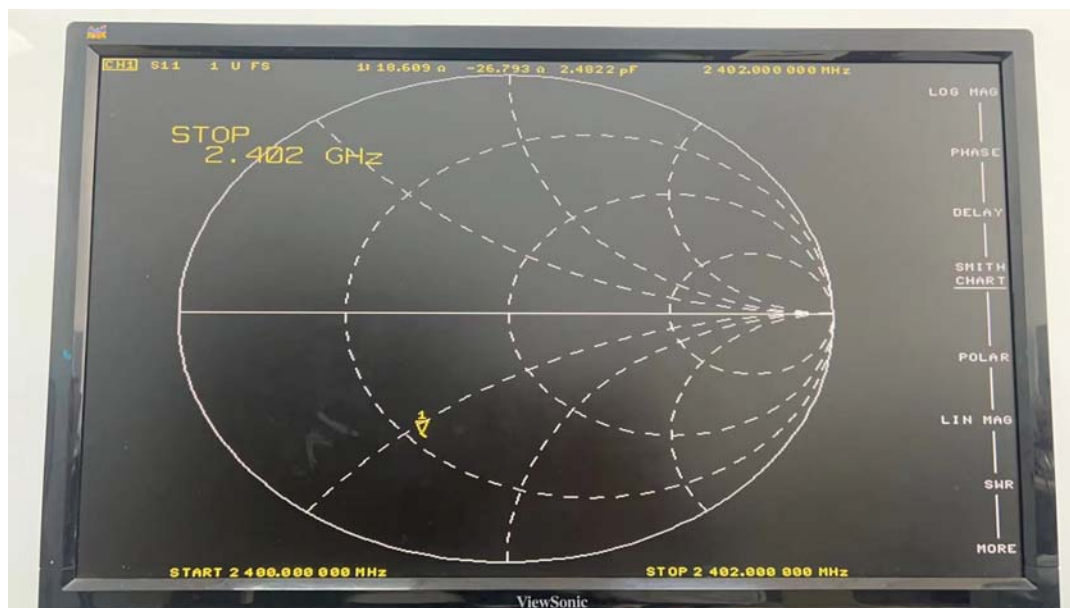
Return Loss

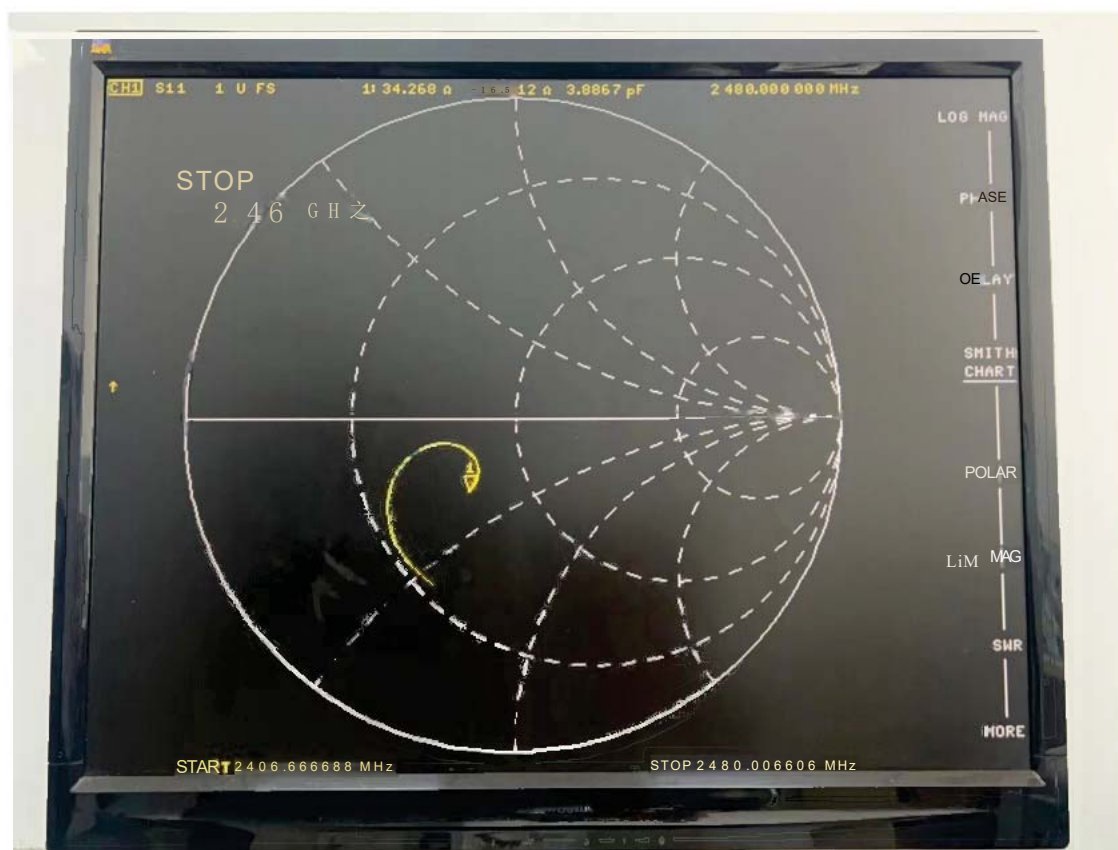
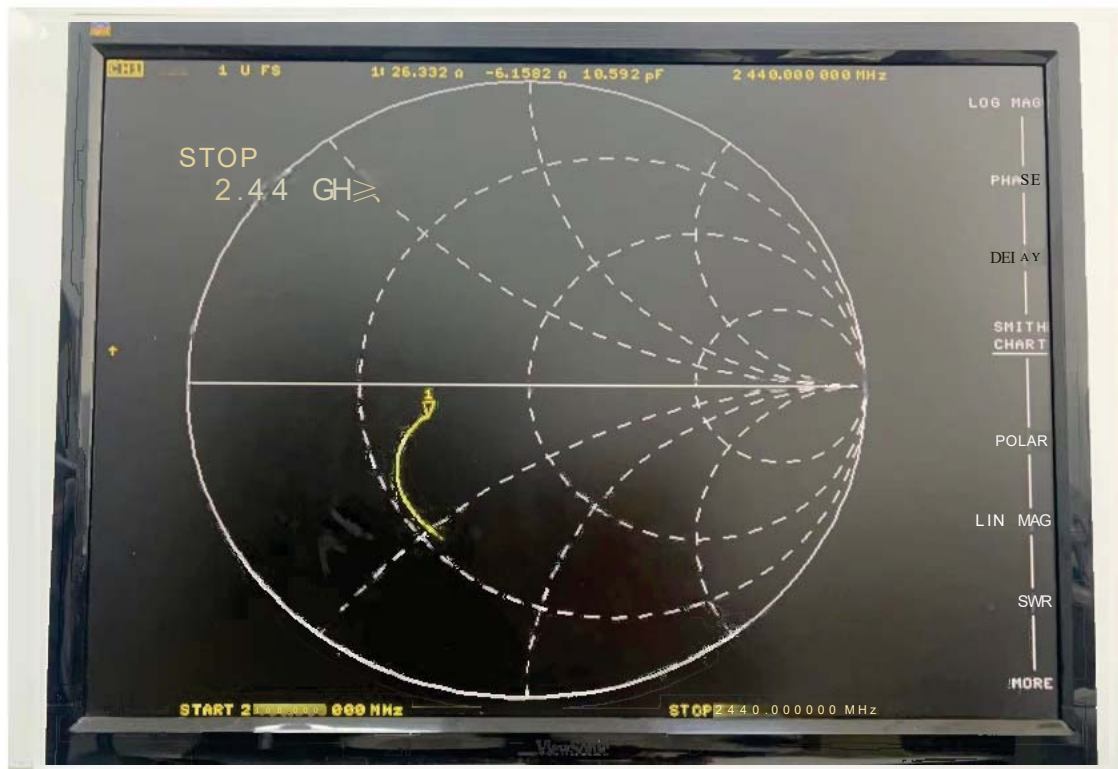


Antenna standing wave ratio diagram

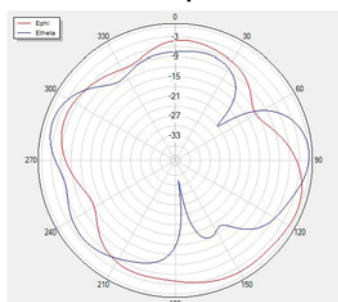


SMITHCHART diagram

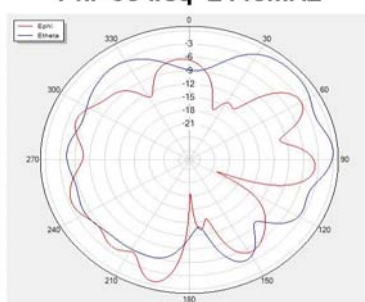




Theta=90 freq=2440MHz



Phi=90 freq=2440MHz



Phi=0 freq=2440MHz

