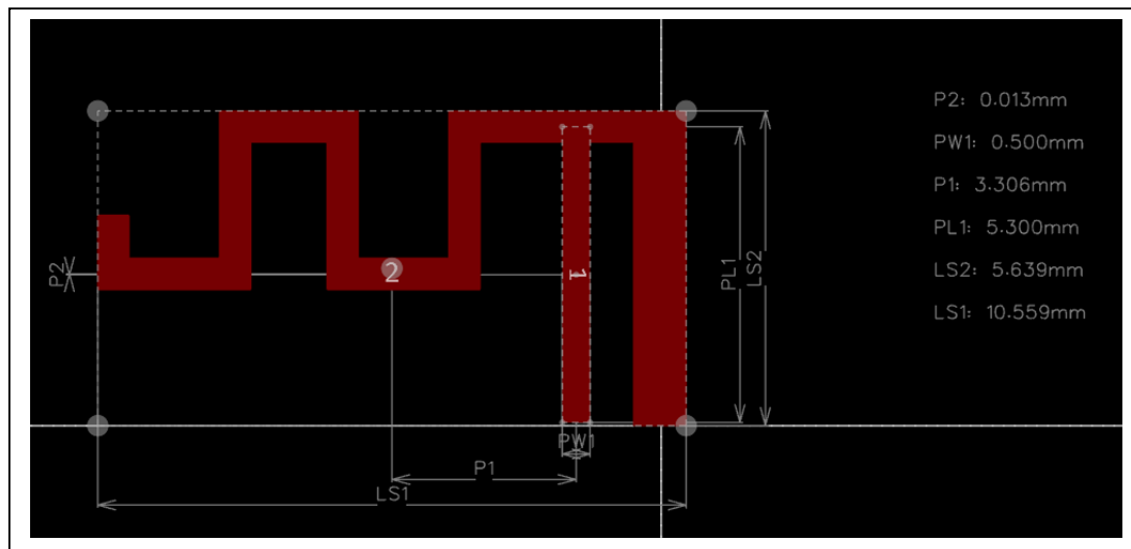


一. Antenna Characteristics

This report describes the physical and electrical characteristics of the modem recommended antenna.

1.1 Antenna diagram



1.2 Electrical Specification

Part Number	BT MODEM PCB ANTENNA
Dimension	5.639*10.559mm
Material	PCB ANTENNA
Operating Temperature	
Storage Temperature	

1.3 Electrical Specification

Feature	2.4G BTAntenna
Frenquency (Hz)	2.4GHz
VSWR	≤ 1.5
Max Gain	2dBi
Terminal impedance(Ω)	50
Antenna Pattern	

Ant Manufacturer:ShenZhen ZhiHaiHe Tech Co., Ltd.

Address:Unit B, 2nd Floor, Block 3, 10th Industrial Zone, Tian Liao Community, Gong Ming Area, Guang Ming New District, Shen Zhen, China

二. Measurement Results

2.1 Test Equipment

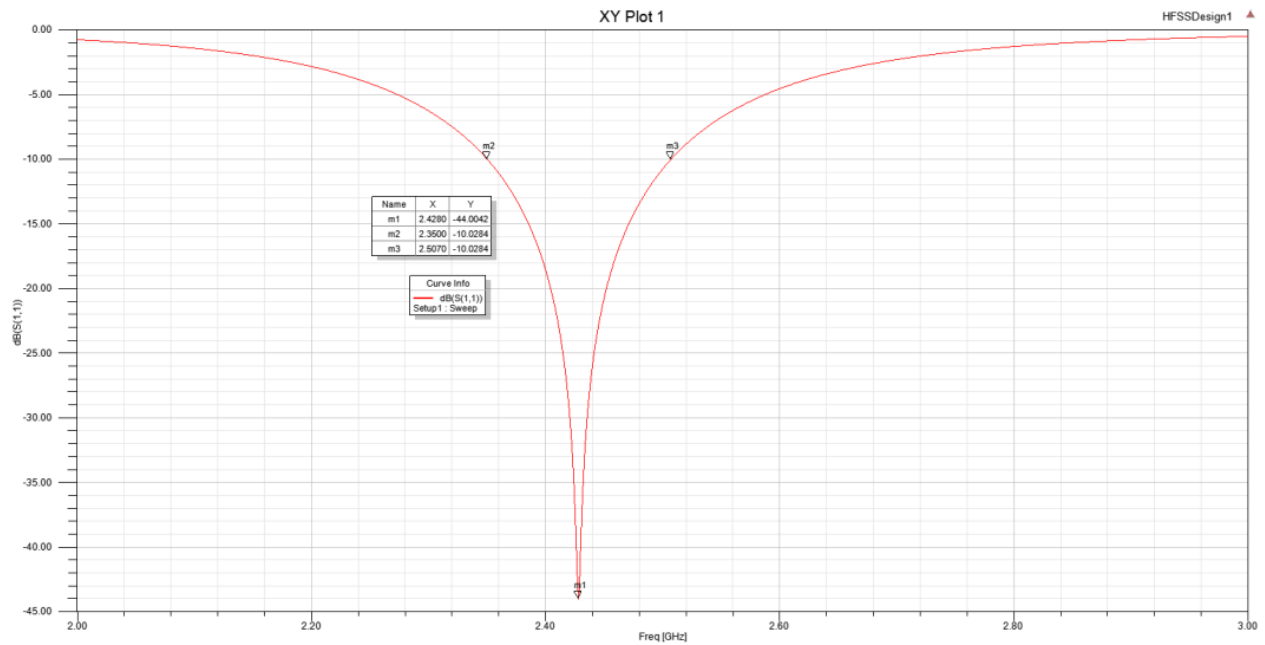
	Equipment	Picture	Test case
1	Microwave Chamber		Passive Performance
2	HP8753D Network Analyzer		

2.2 Measurement Results

S parameter

Working bandwidth: 157MHz

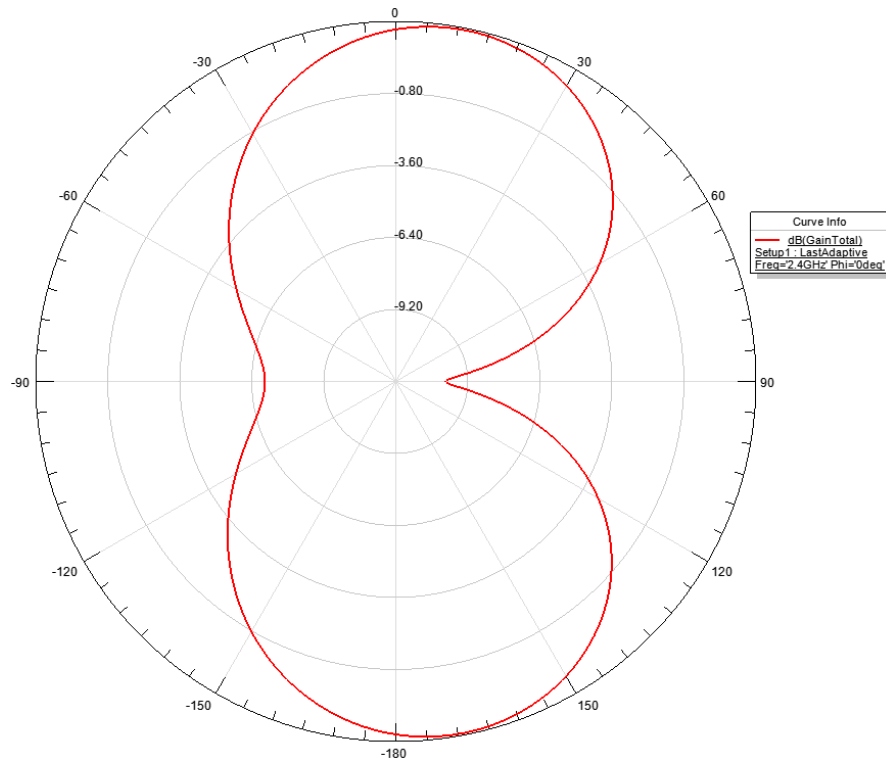
S11: -44dB@2.43GHz



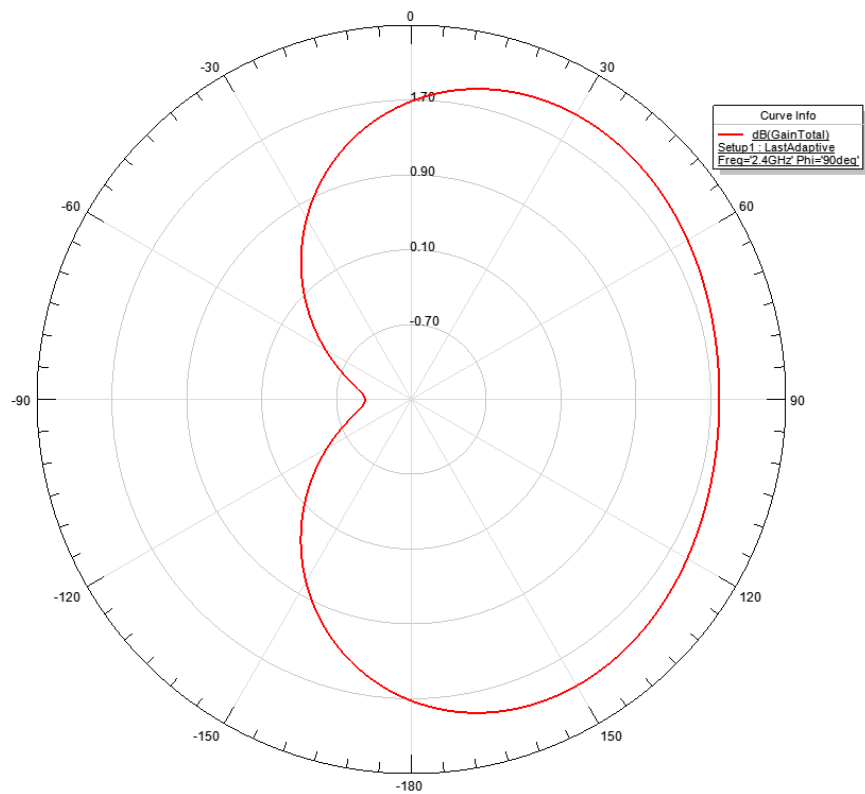
三. Antenna Pattern

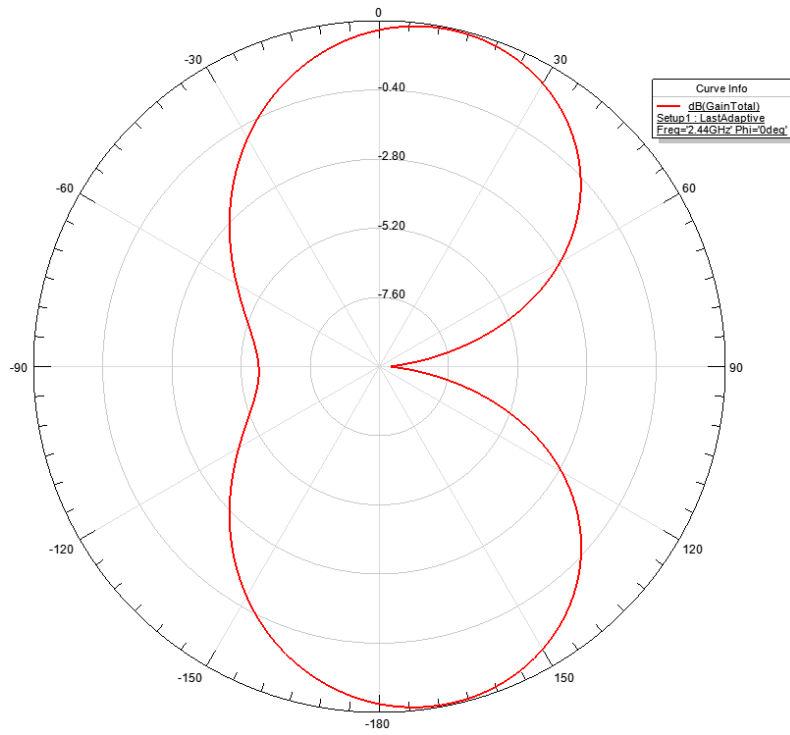
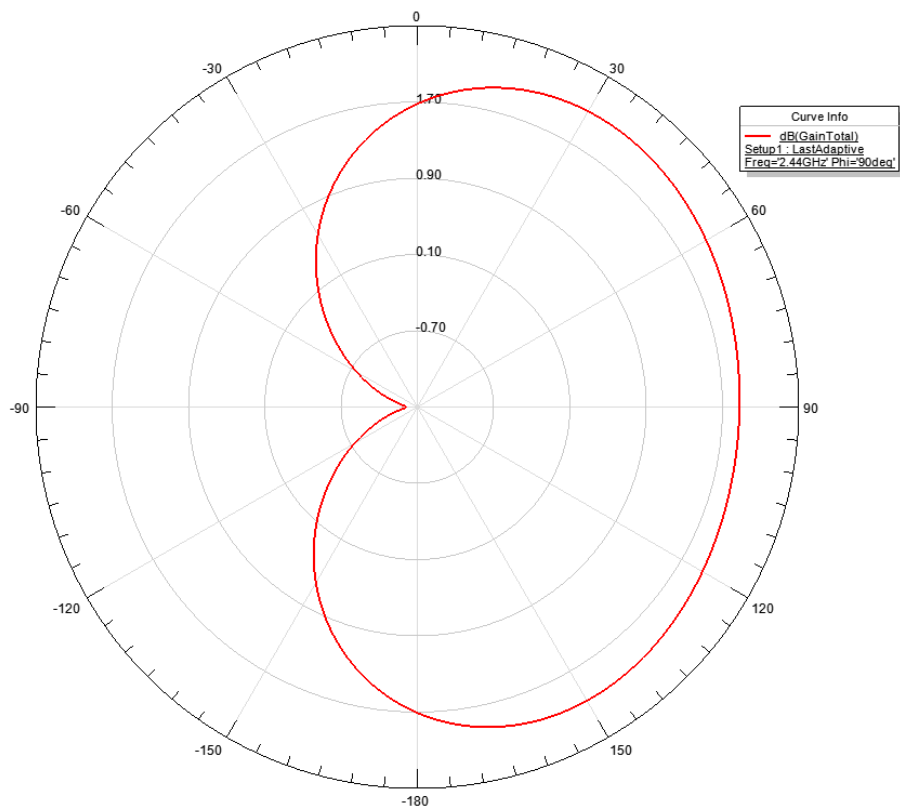
2.4GHz:

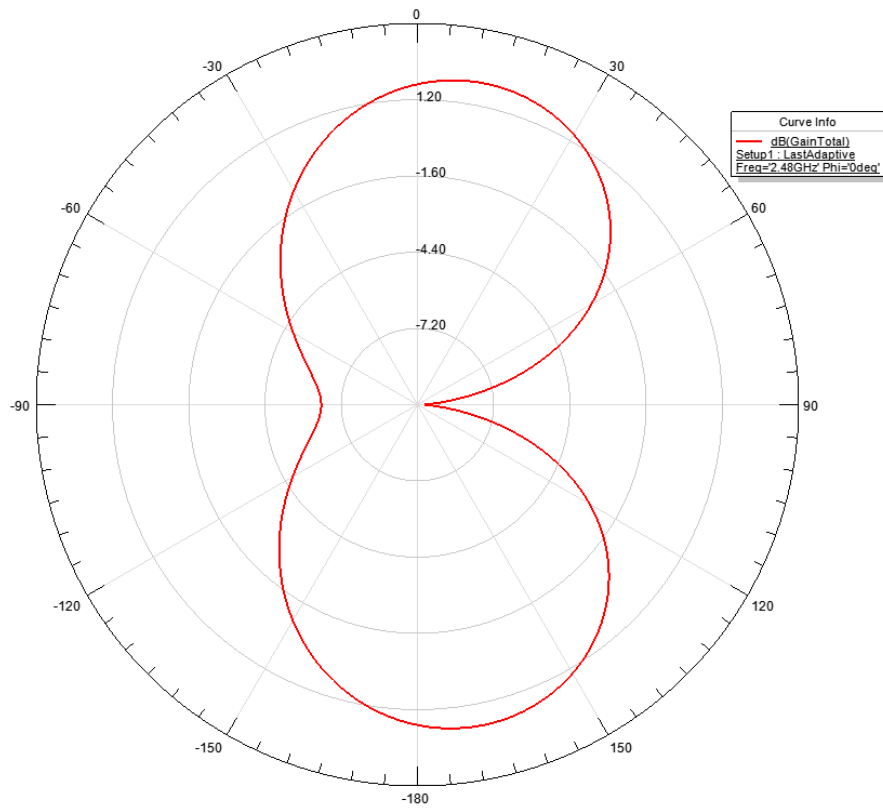
E plane:



H plane:



2.44GHz:**E plane:****H plane:**

2.48GHz:**E plane:****H plane:**