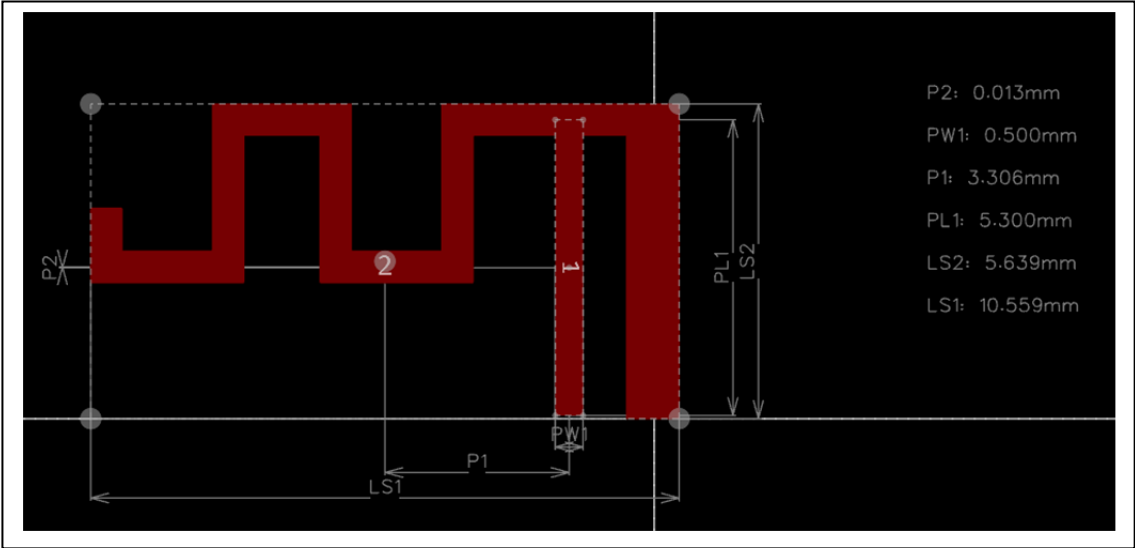


一. Antenna Characteristics

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: 5th Floor, Block 2, 10th Industrial Zone, Tian Liao Community, Yu Tang Area, Guang Ming District, Shenzhen, China

二. Measurement Results

2.1 Test Equipment

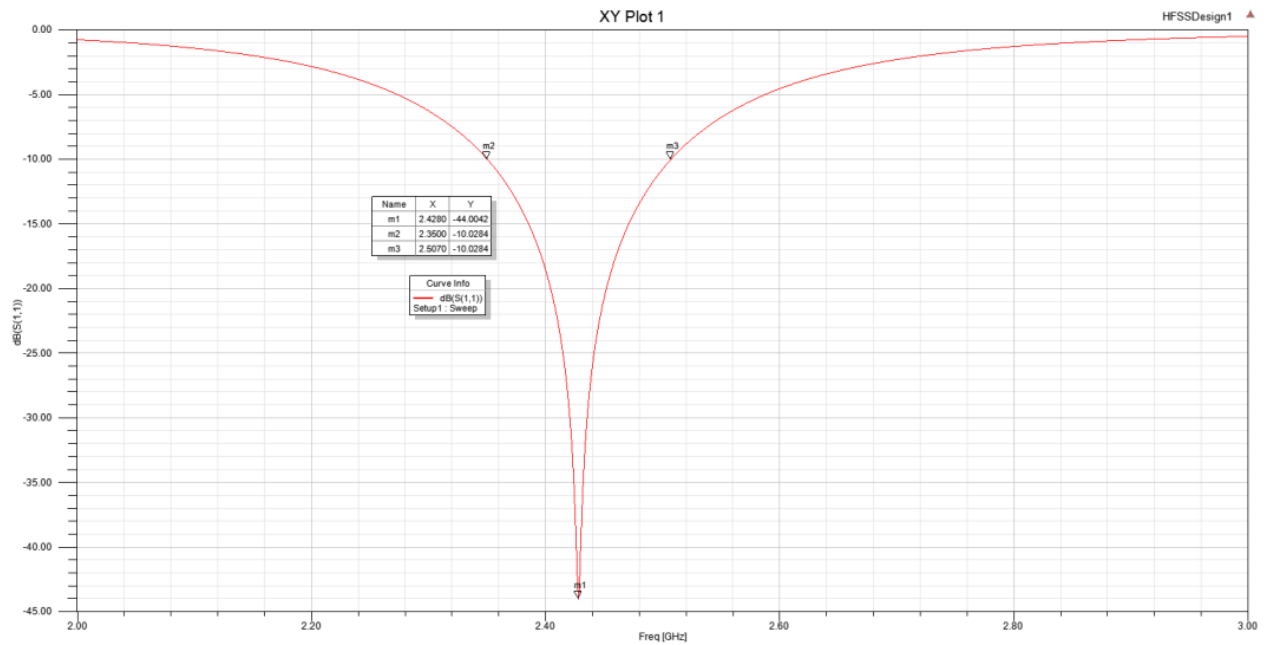
	Equipment	Picture	Test case
1	Microwave Chamber		Passive Performance
2	HP8753D Network Analyzer		

2.2 Measurement Results

S parameter

Working bandwidth: 157MHz

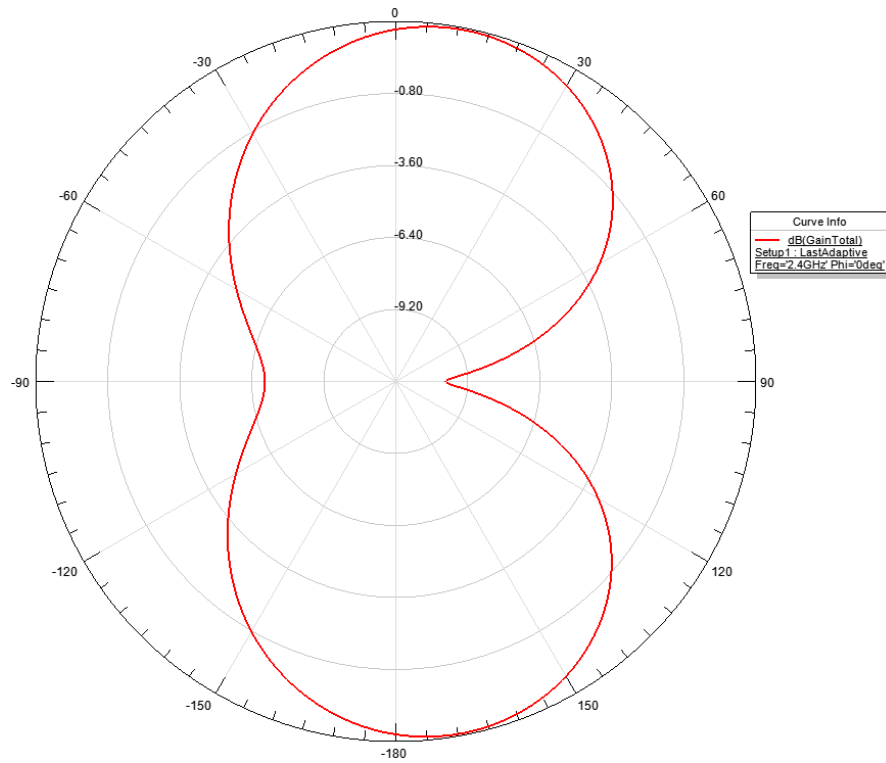
S11: -44dB@2.43GHz



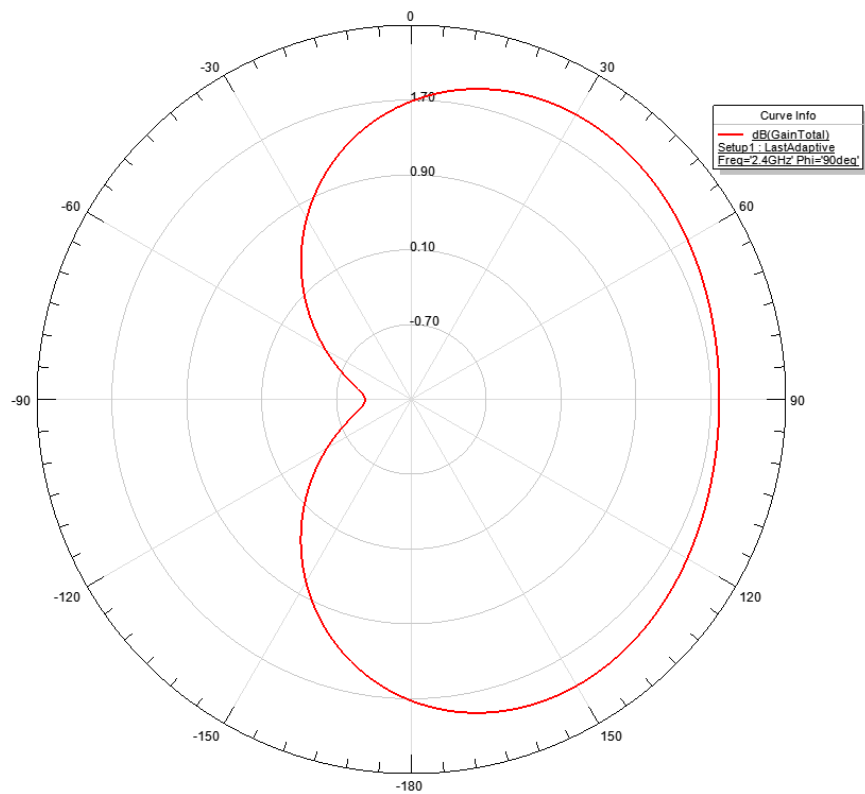
三. Antenna Pattern

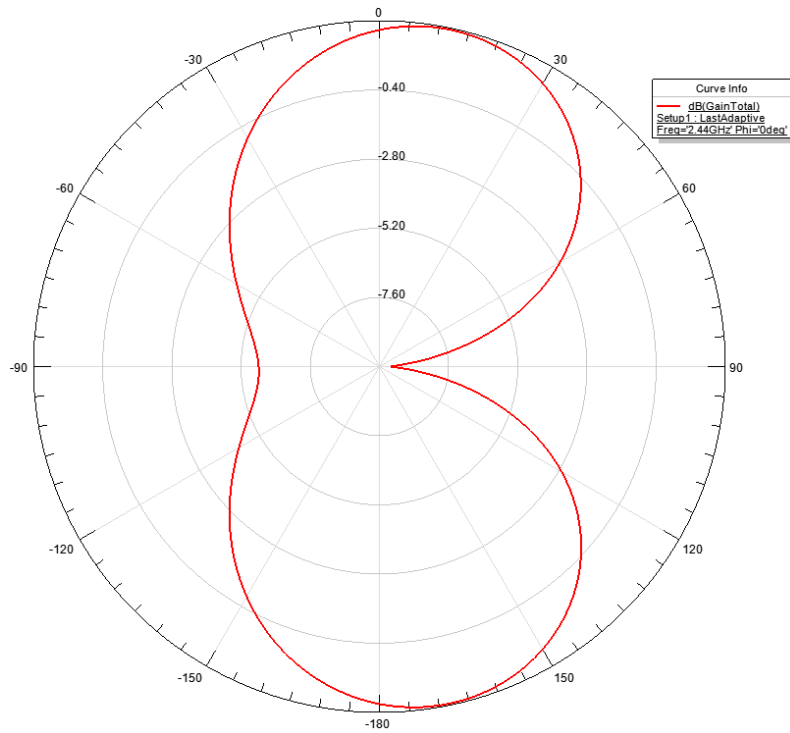
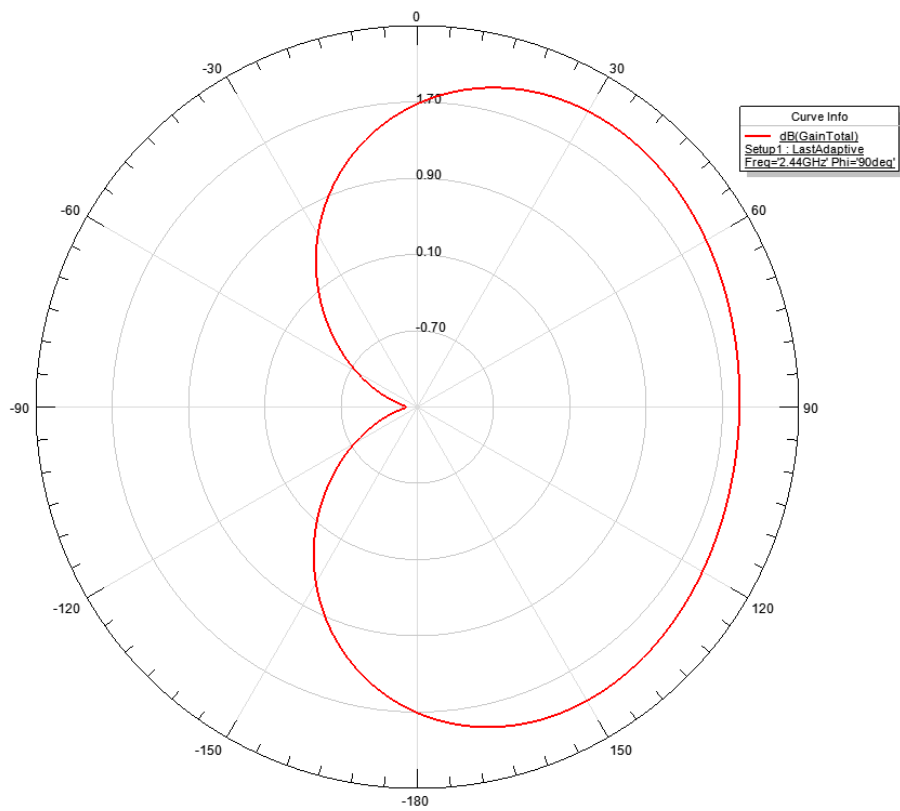
2.4GHz:

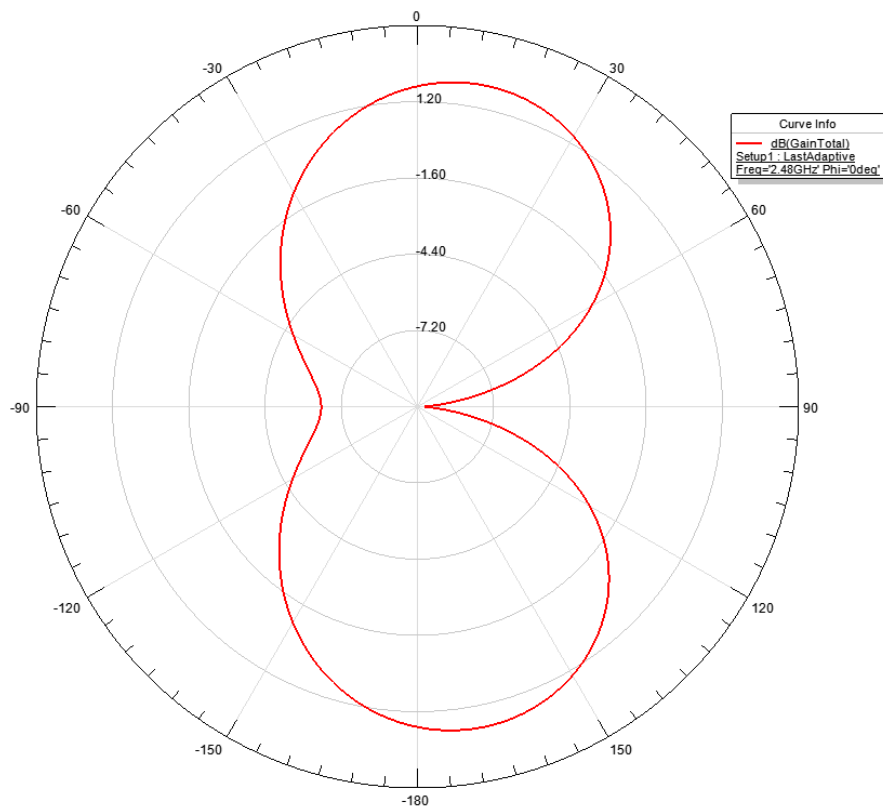
E plane:



H plane:



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

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