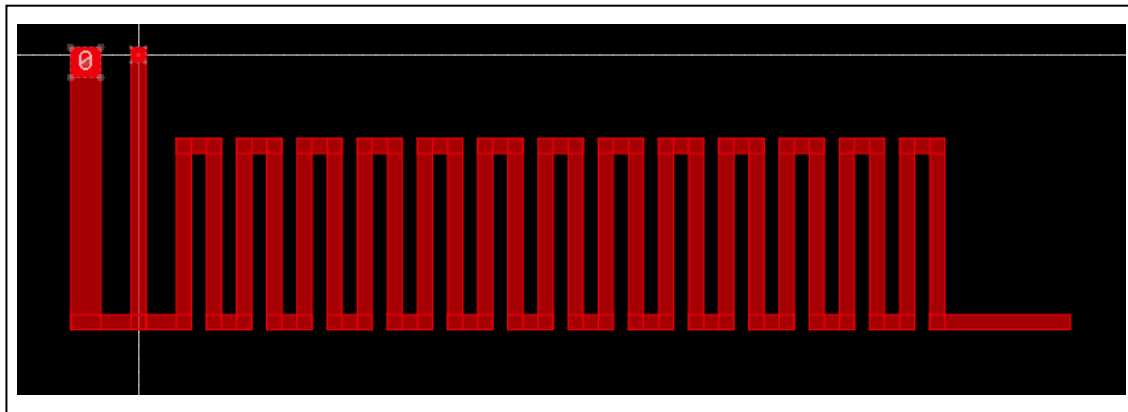


一. Antenna Characteristics

This report describes the physical and electrical characteristics of the Dongle antenna.

1.1 Antenna diagram



1.2 Electrical Specification

Part Number	BT MODEM PCB ANTENNA
Dimension	2.651*9.950mm
Material	PCB ANTENNA
Operating Temperature	
Storage Temperature	

1.3 Electrical Specification

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

Ant Manufacturer:ShenZhen ZhiHaiHe Tech Co., Ltd.

二. Measurement Results

2.1 Test Equipment

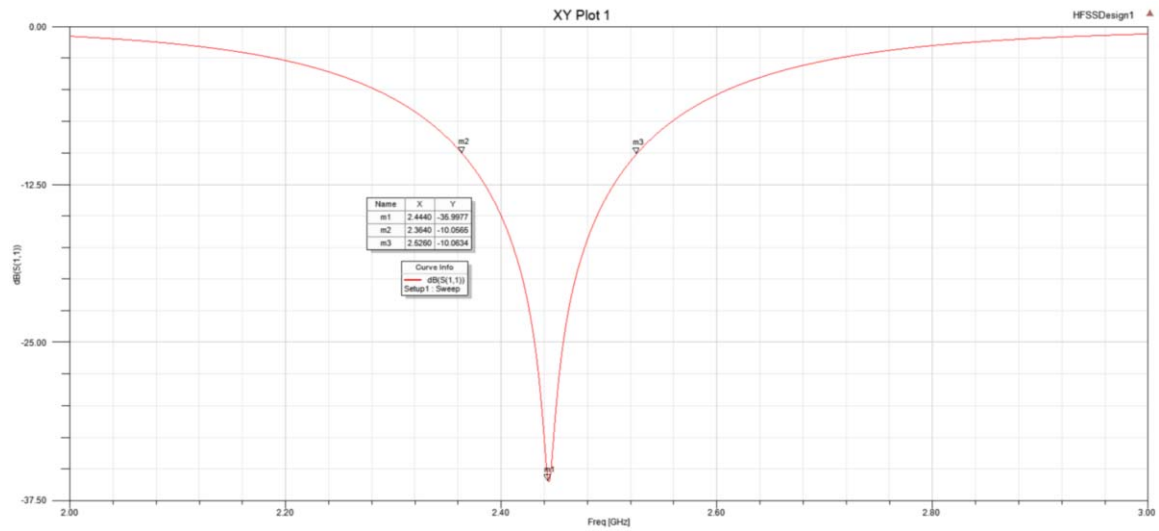
	Equipment	Picture	Test case
1	Microwave Chamber		Passive Performance
2	HP8753D Network Analyzer		

2.2 Measurement Results

S parameter

10dB operating bandwidth: 156MHz

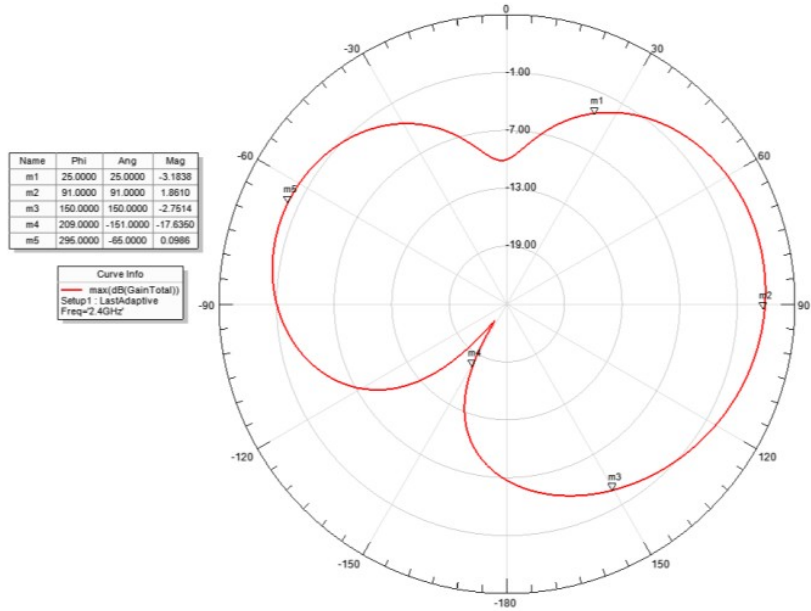
Center band S11:-36dB@2.44GHz



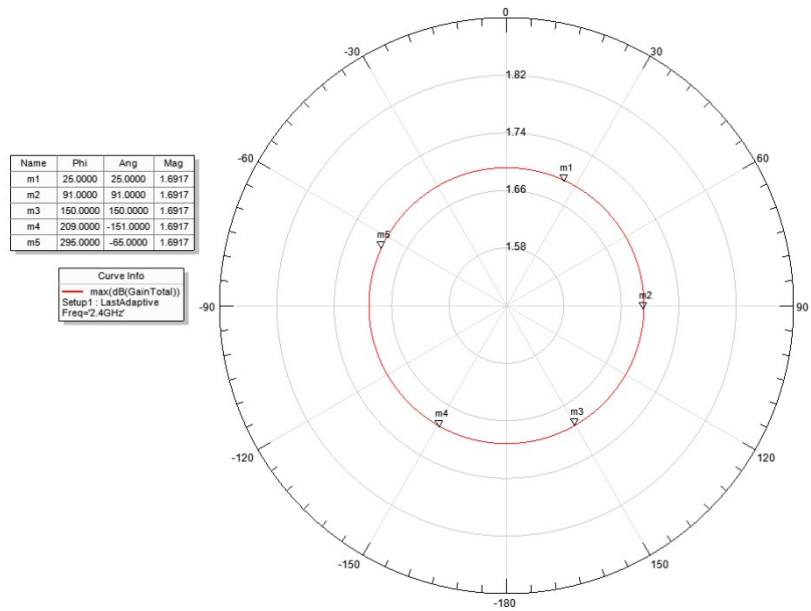
三. Antenna Pattern

2.4GHz:

E plane:

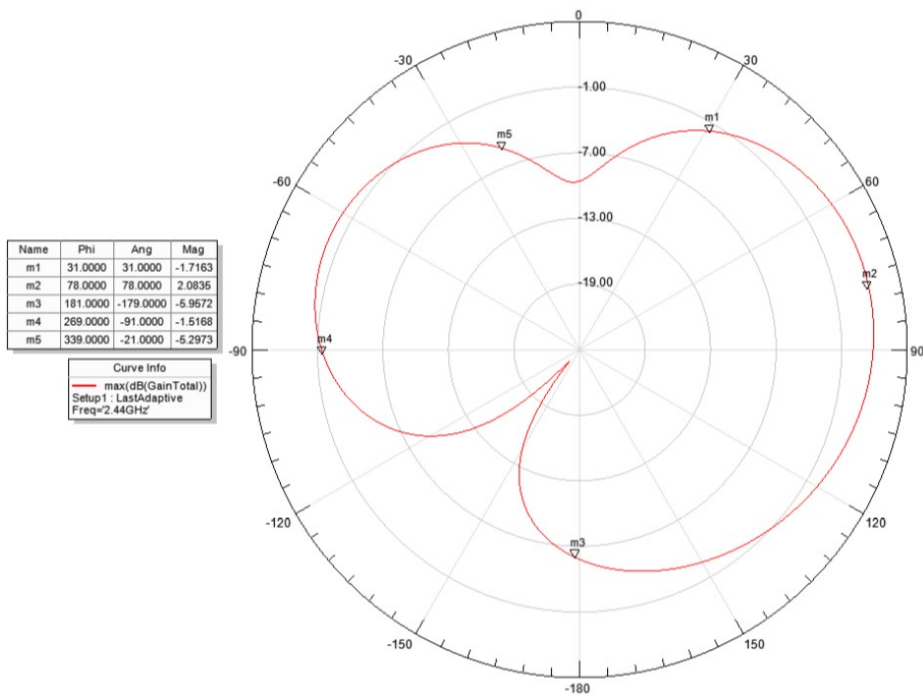


H plane:

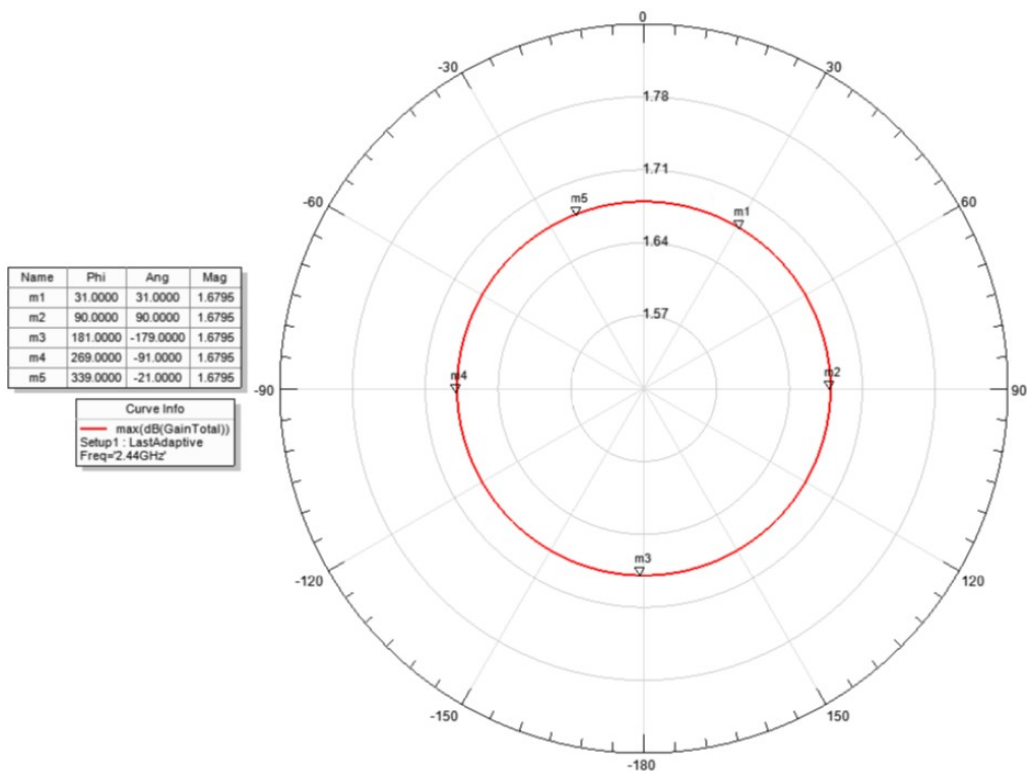


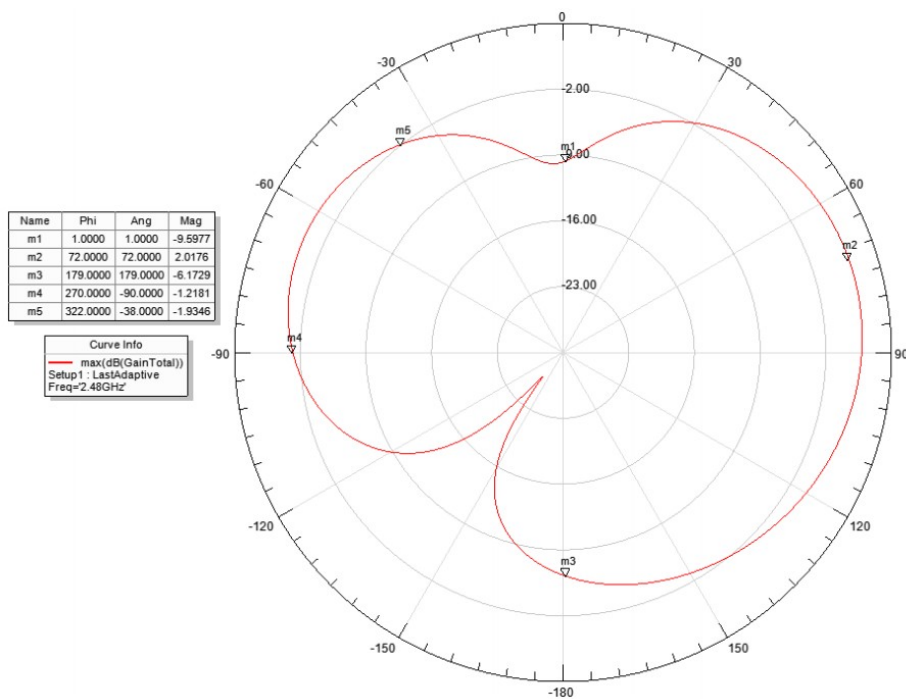
2.44GHz:

E plane:



H plane:



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