

ASIAN CREATION COMMUNICATION CO.,LTD

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2.4GHz Terminal Antenna

AC-Q24-L20D

1. Introduction

The dipole Antenna is primarily designed for use with WIFI modules.

It does not require a ground-plane to connect to. It has a quality robust TPE housing for use with wireless terminals.

The antenna has a SMA/RP SMA(M) connector.

It can be used straight or hinged 90 degrees. The antenna has a wide-band response and can also be used from 2400-2483MHz applications



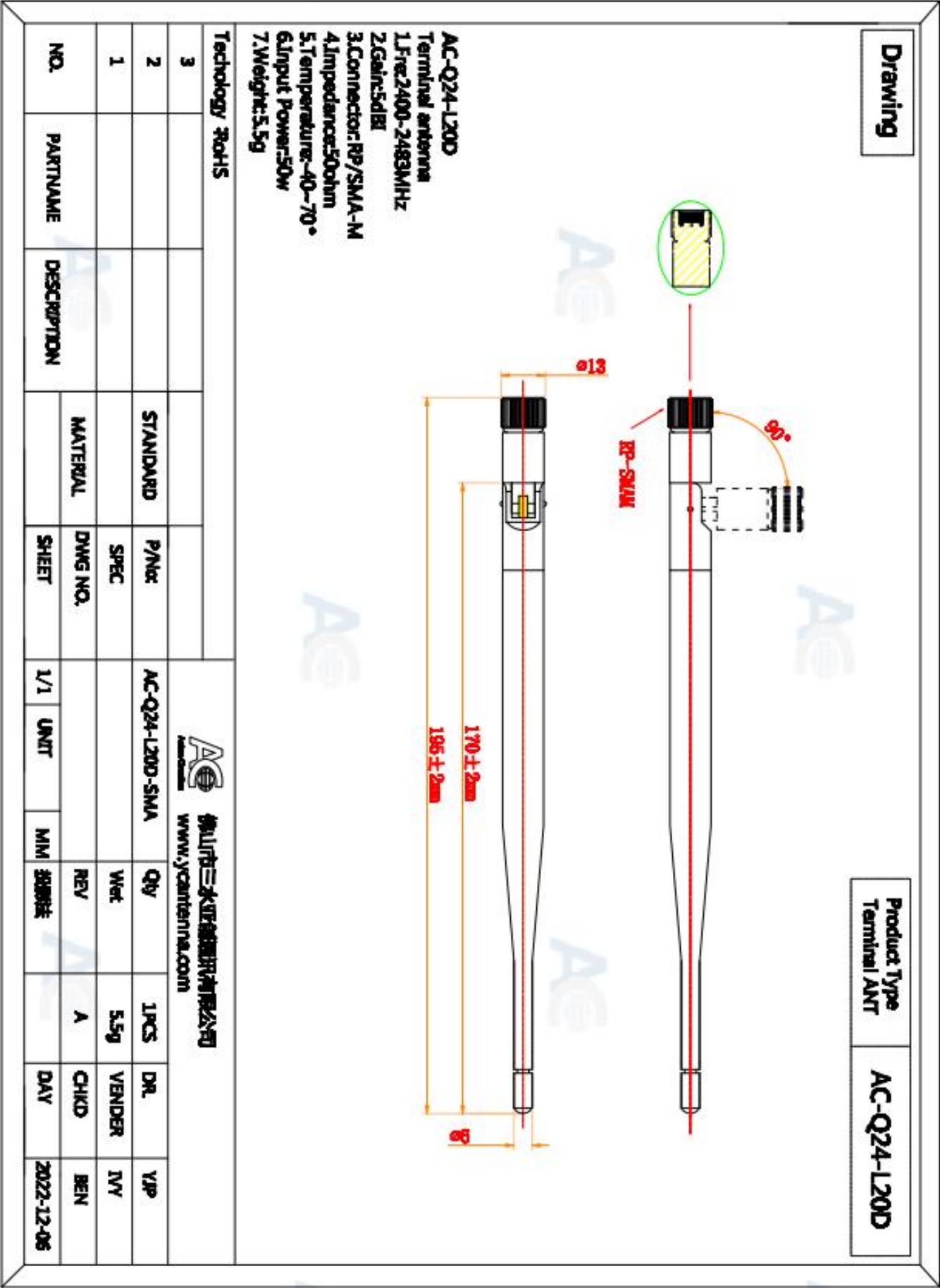
2. Specification

Electrical

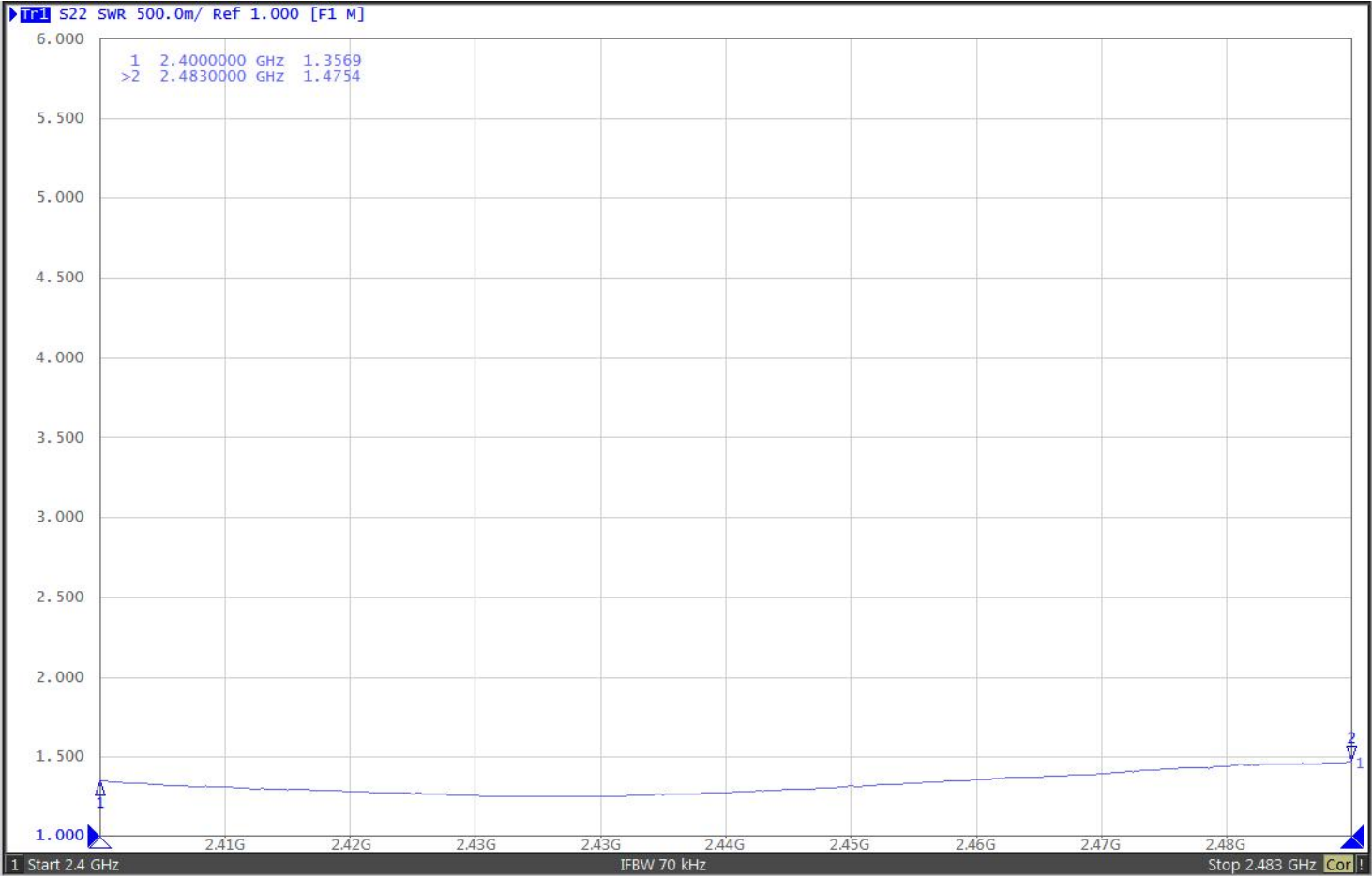
Frequency Range	2400-2483MHz
Band width	83MHz
Gain	5dBi
V.S.W.R	≤2.0
Radiation	Omni-Direction
Polarization	Vertical
Maximum Input Power	50W
Impedance	50Ω
Connector	RP SMA Male
Antenna Radome Material	TPEE

Mechanical

Dimensions	Φ13x197mm
Weight	20g
Operating Temperature	-40℃ to+70℃



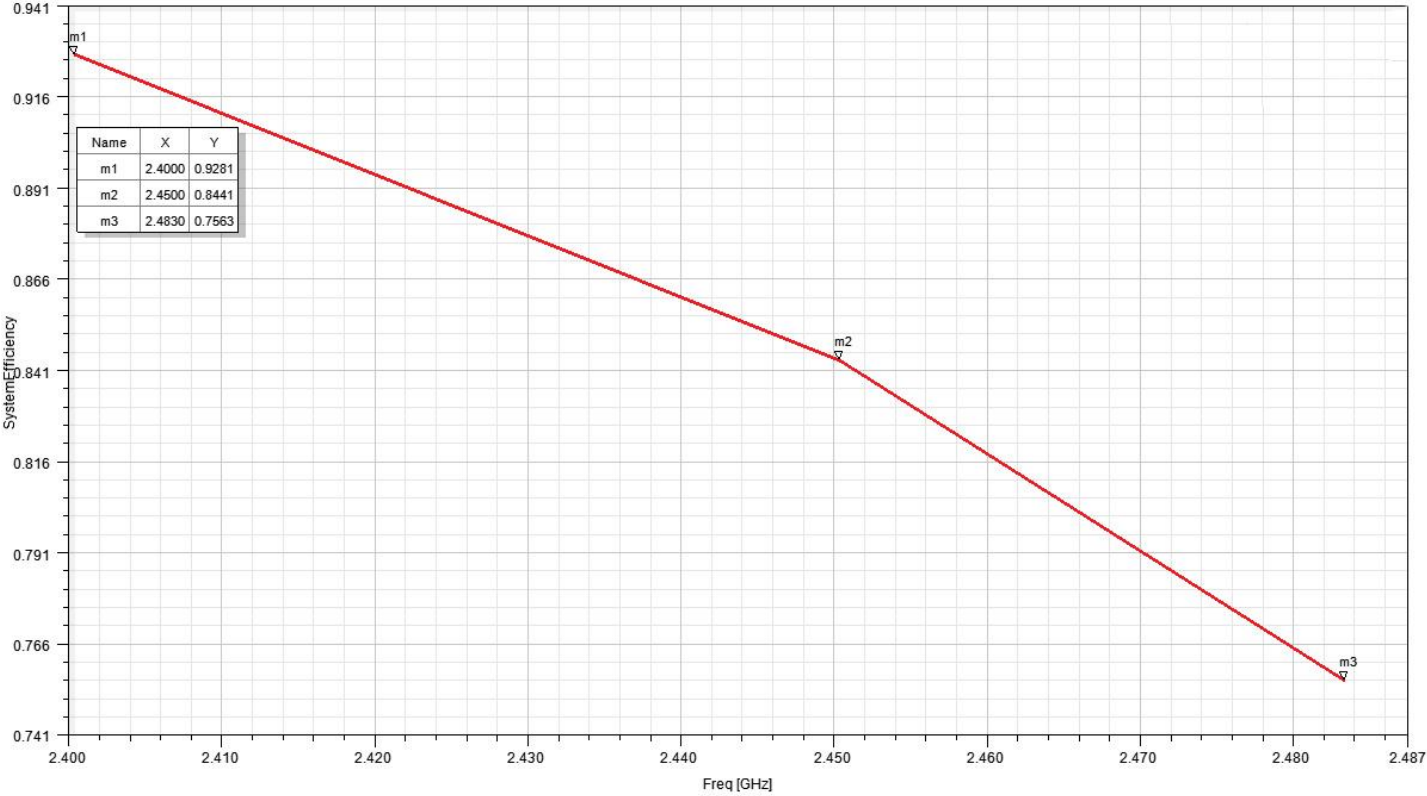
4.V.S.W.R



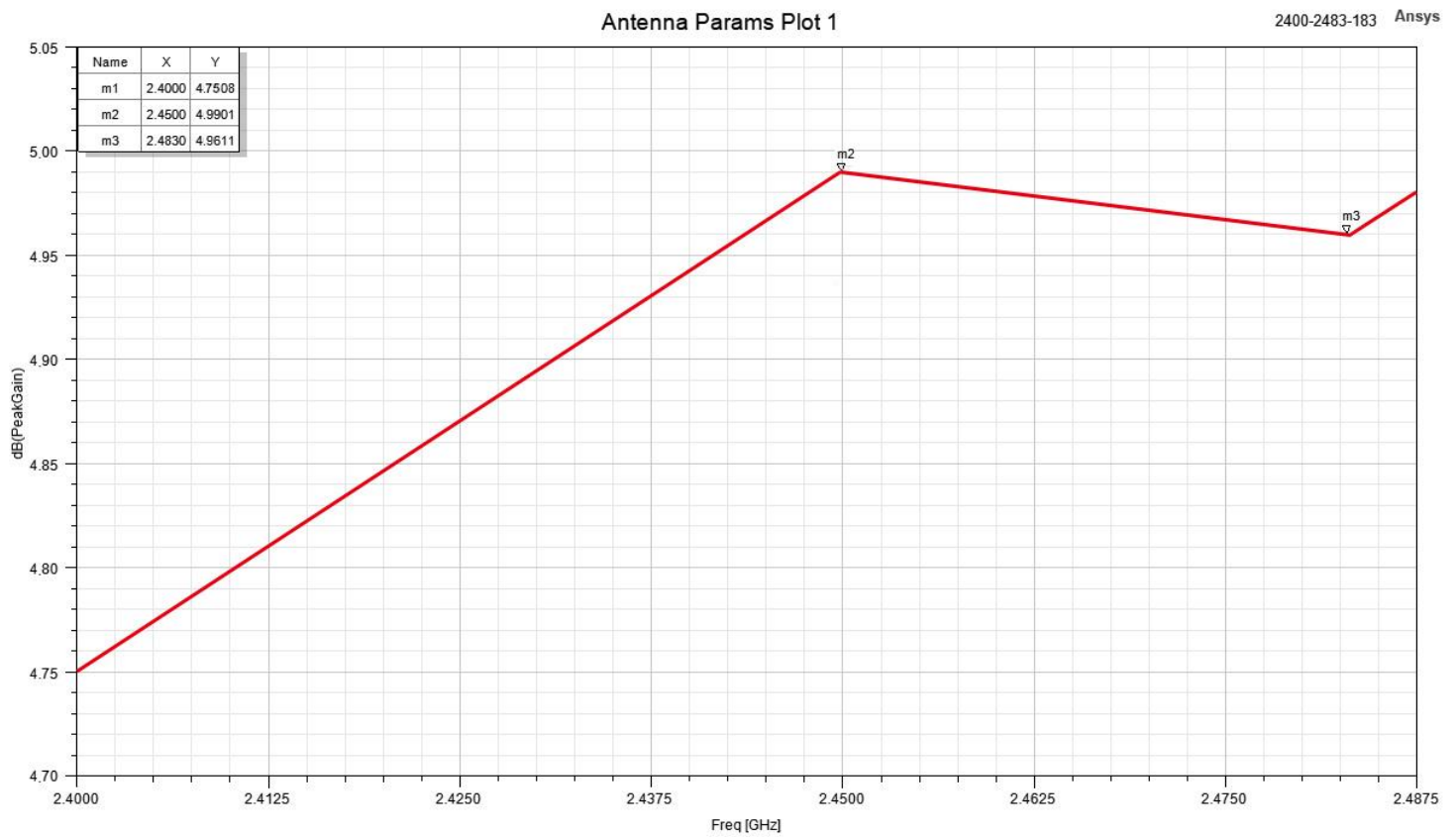
5.Efficiency

Antenna Params Plot 1

2400-2483-183 Ansys

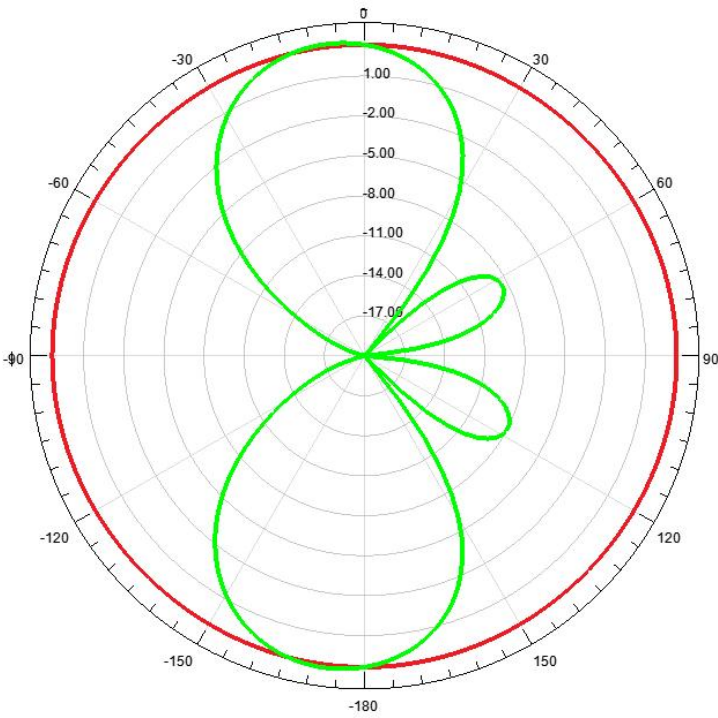


6.Gain

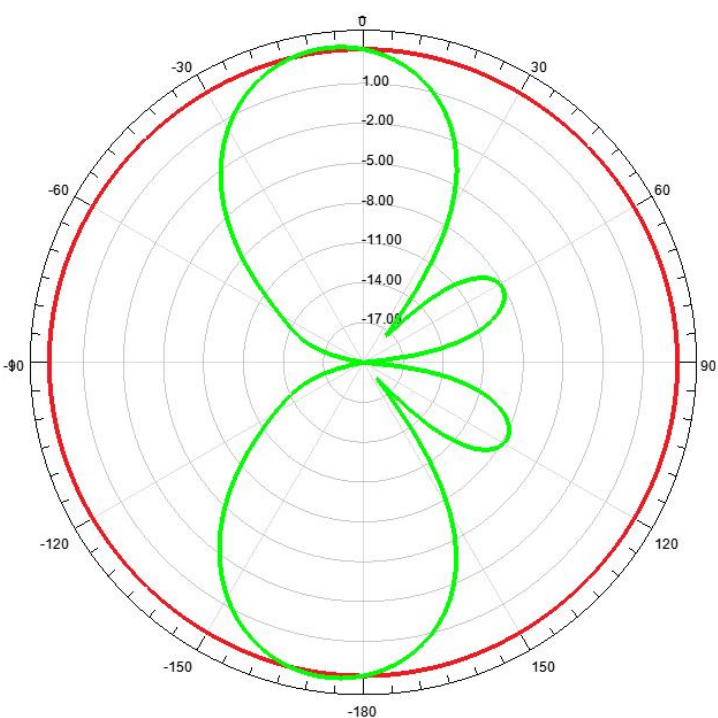


2.4G Gain And Efficiency		
Frequency/MHz	Efficiency (%)	Gain/dBi
2400	92.81	4.7508
2450	84.41	5.0001
2483	75.63	4.9611

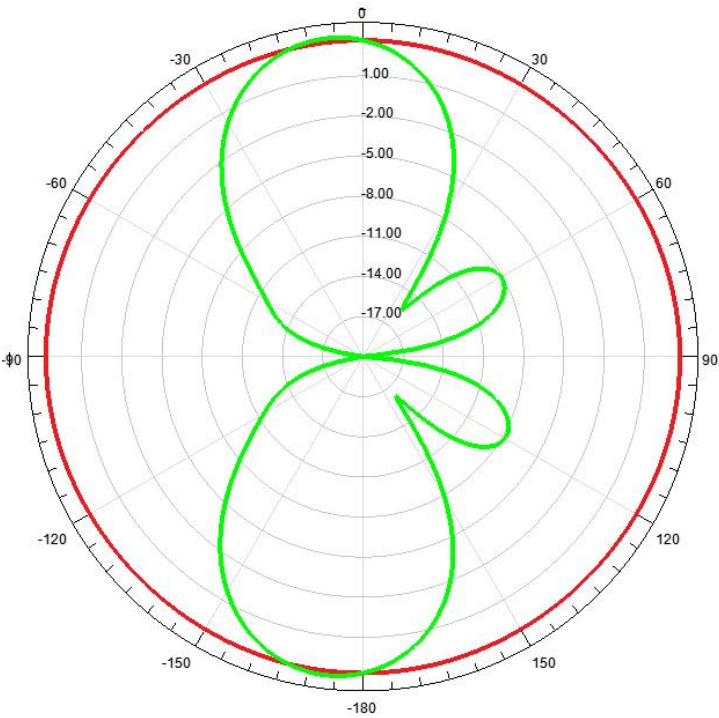
7.Radiation Pattern



2400MHz



2450MHz



2483MHz