

# ASIAN CREATION COMMUNICATION CO.,LTD

Address:No12 ,Xingye 5 Road,Yundonghai ,Sanshui,Foshan,Guangdong,China, (528100)

## 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

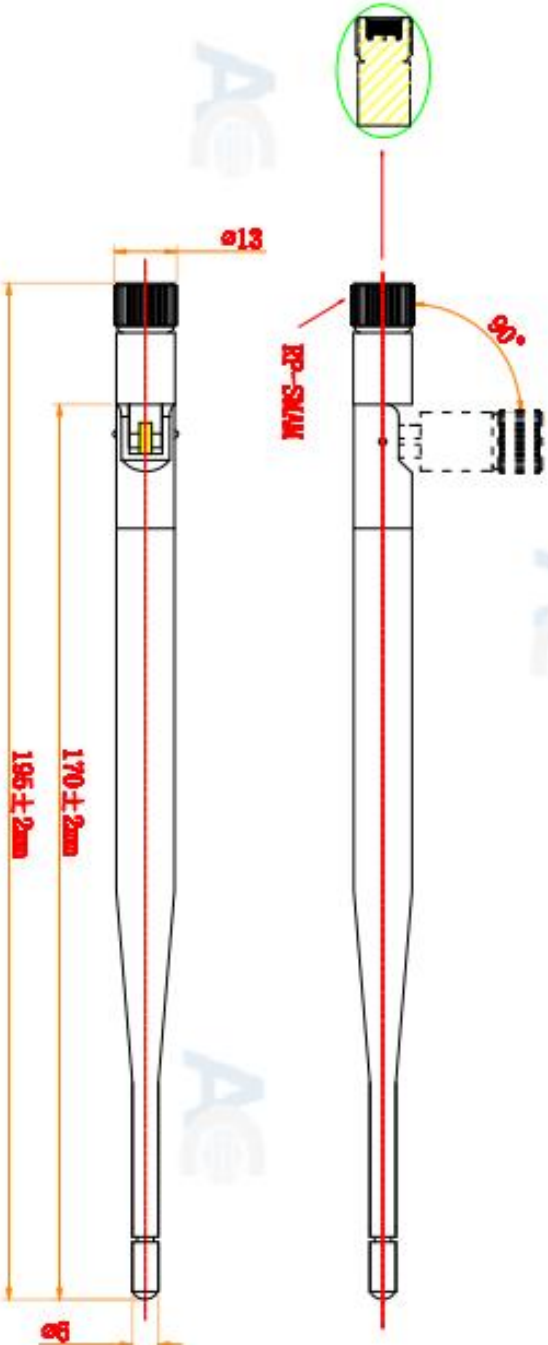
Dimensions	Φ13x197mm
Weight	20g
Operating Temperature	-40°C to+70°C

3.Drawing

Drawing

Product Type  
Terminal ANT

AC-Q24-L20D



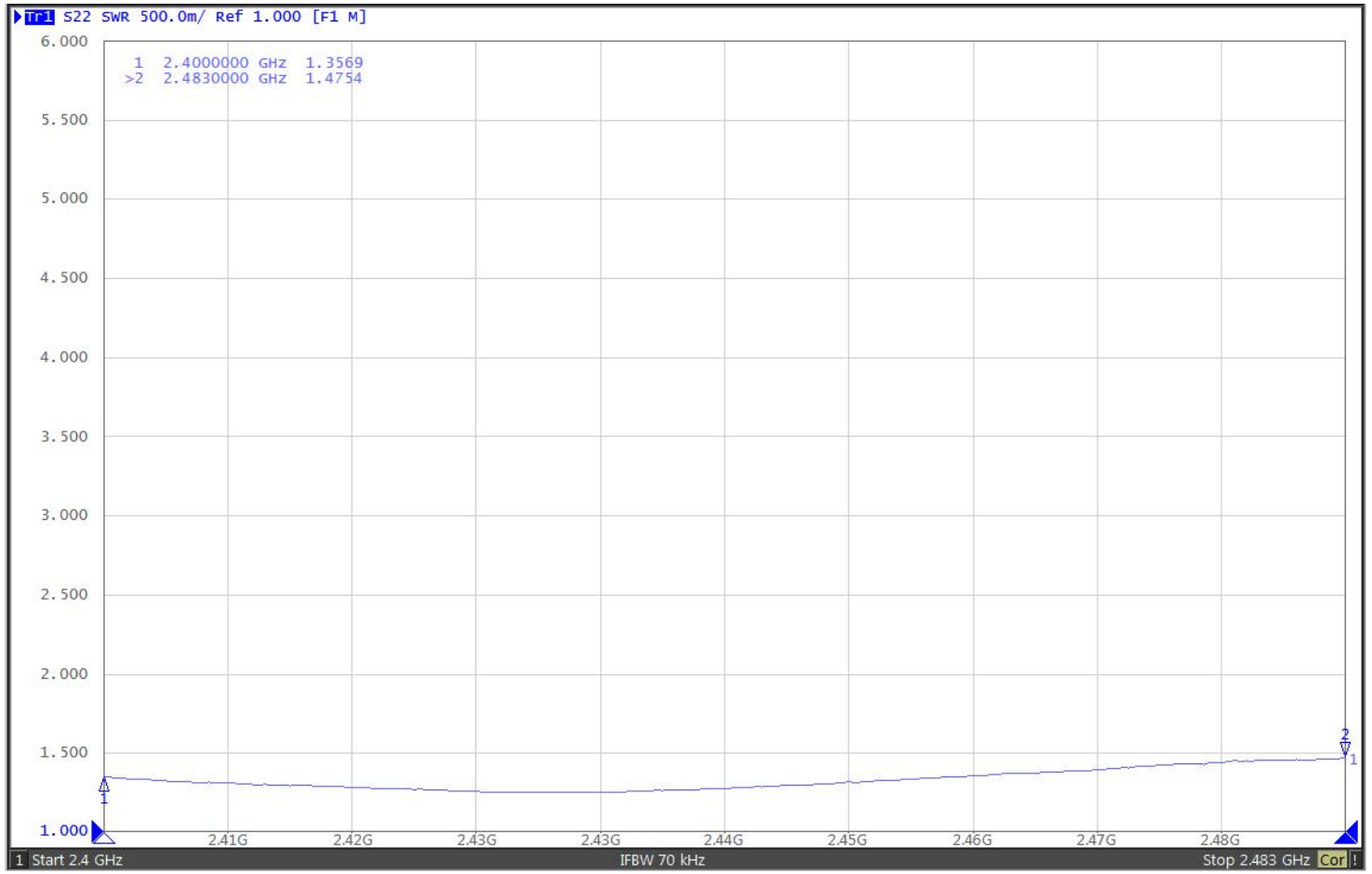
- AC-Q24-L20D**  
Terminal antenna  
1.Freq:2400-2483MHz  
2.Gain:5dBi  
3.Connector:RP/SMA-M  
4.Impedance:50ohm  
5.Temperature:-40-70°  
6.Input Power:50W  
7.Weight:5.5g

Technology RoHS


 佛山市三水亚能天线有限公司  
[www.ycantaenna.com](http://www.ycantaenna.com)

3																		
2		STANDARD	P/Nc	AC-Q24-L20D-SMA	Qty	1PCS	DRL	YJP										
1			SPEC		Wgt	5.5g	VENDER	TY										
		MATERIAL	DWG NO.		REV	A	CHKD	BEN										
NO.	PARTNAME	DESCRIPTION		SHEET	1/1	UNIT	MM	规格	DAY									2022-12-06

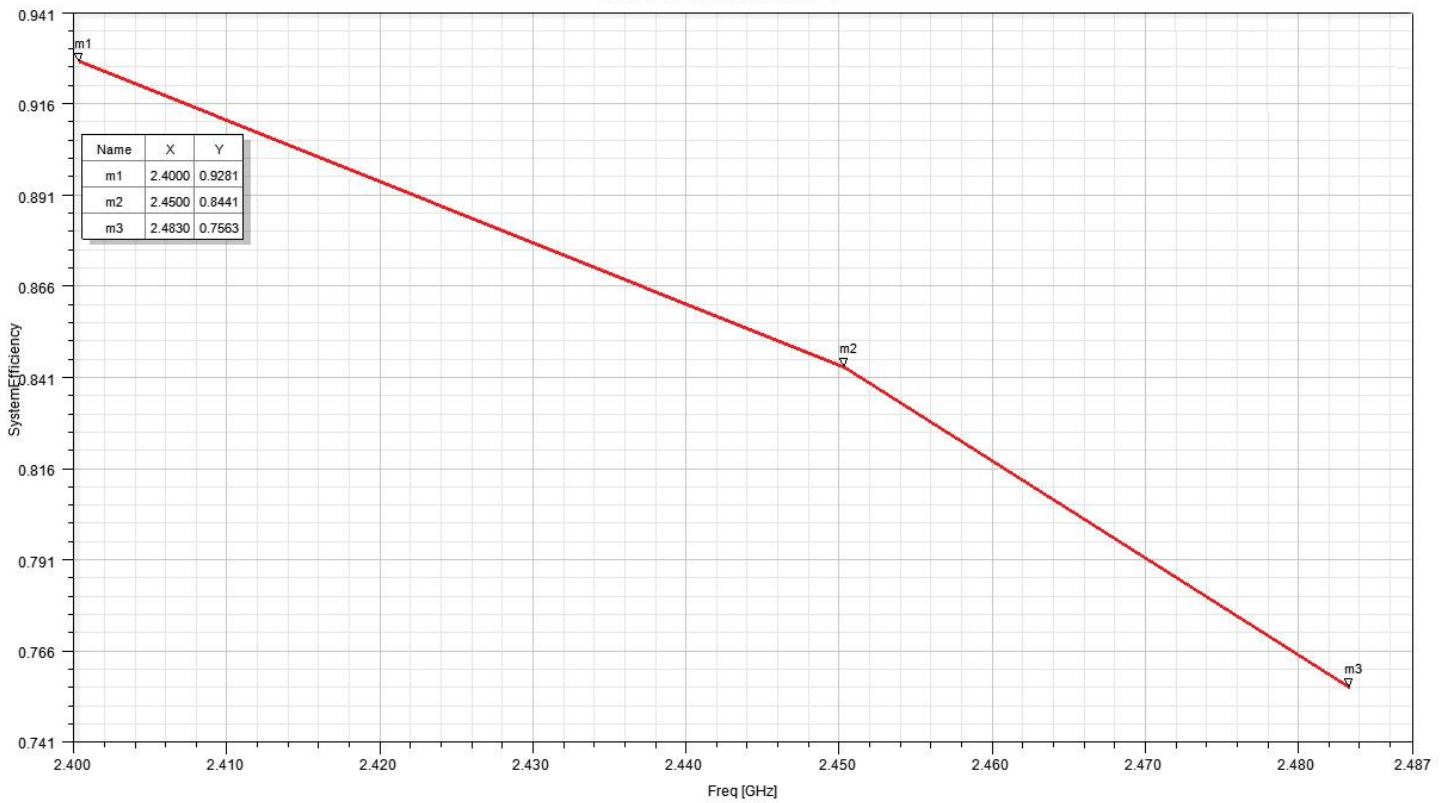
# 4.V.S.W.R



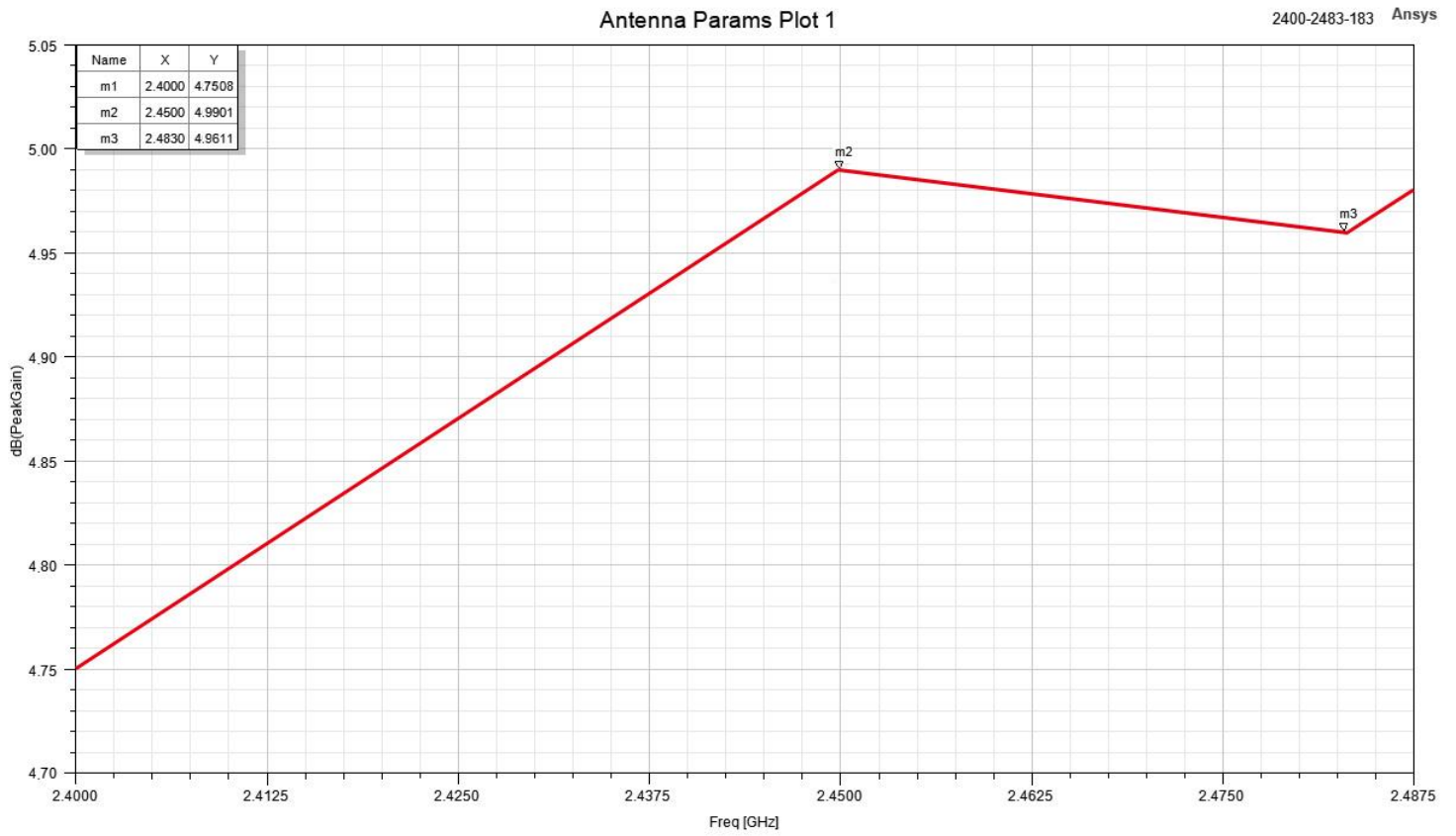
# 5.Efficiency

Antenna Params Plot 1

2400-2483-183 Ansys

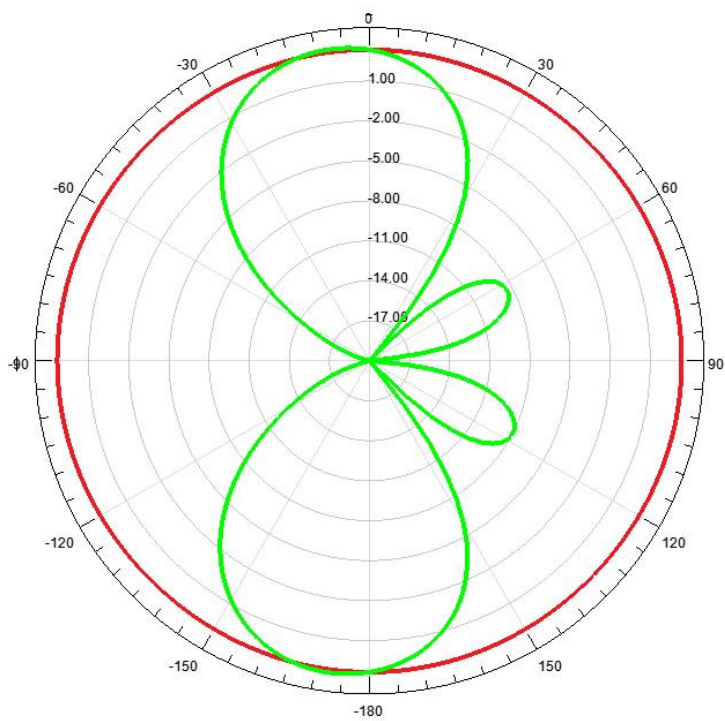


## 6.Gain

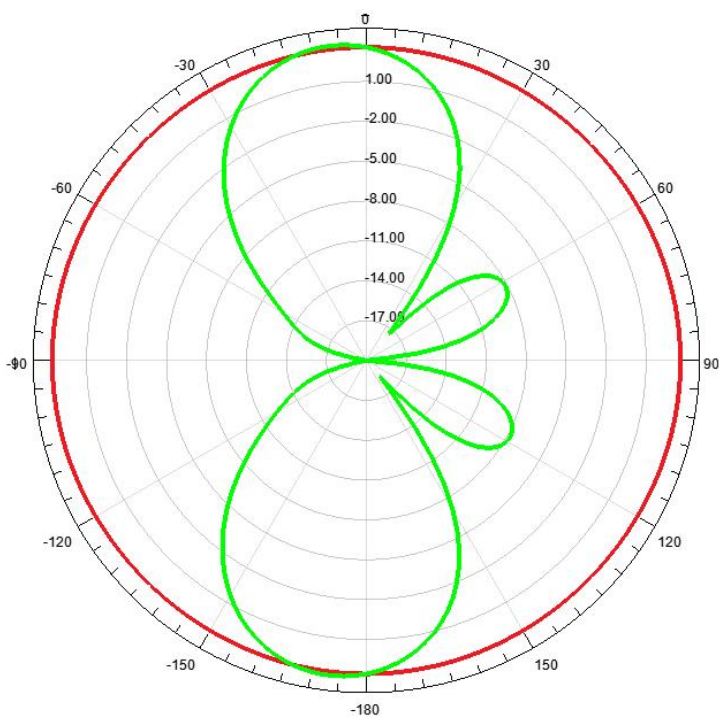


2.4G Gain And Efficiency		
Frequency/MHz	Efficiency (%)	Gain/dBi
2400	92.81	4.7508
2450	84.41	5.0001
2483	75.63	4.9611

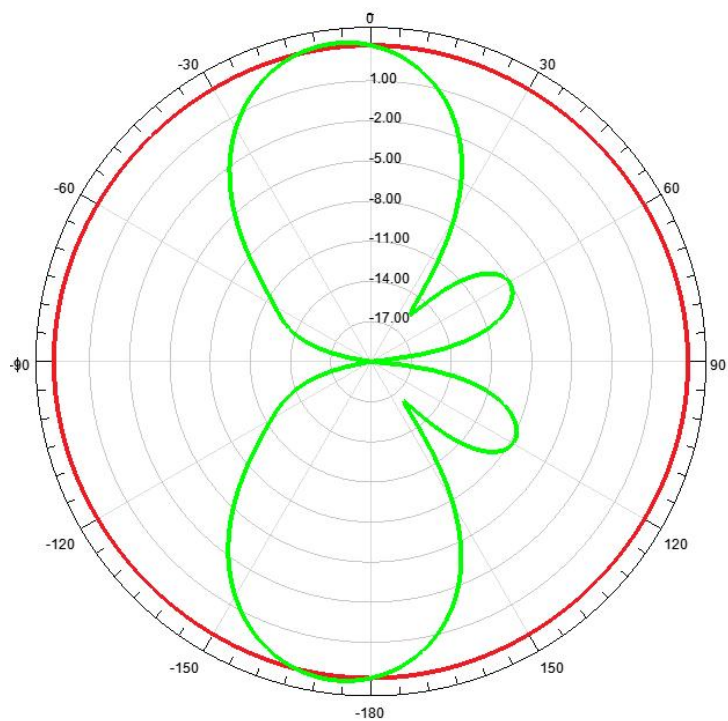
## 7. Radiation Pattern



2400MHz



2450MHz



2483MHz