

2.4GHz Rubber Swivle Antenna With SMA Connector

Part No:AC-Q2458-24W

1. Introduction

The 2.4GHz/5.8GHz Whip Antenna is a suitable for the WIFI system.

The antenna is vertically polarized with an omnidirectional radiation pattern.

These antennas are mounted directly onto the 2.4GHz/5.8GHz product and are intended for demonstration use or short range communications only.

Linear polarized antenna can be made very small and light weight, especially useful for weight-critical application.



2. Specification

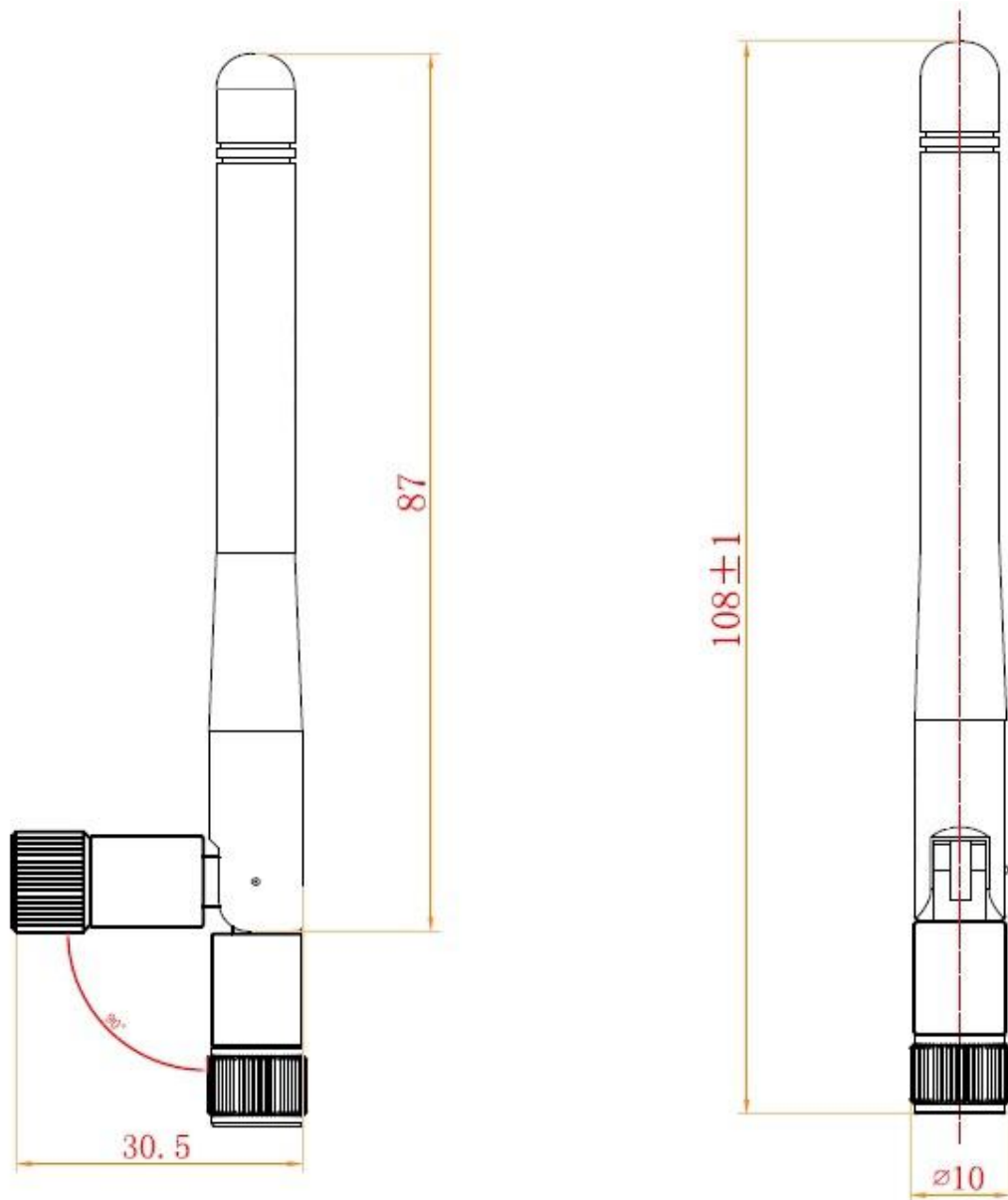
Electrical

Frequency Range	2400-2483/5150-5250/5725-5850MHz
Gain	4.25/6.09/4.77dBi
V.S.W.R	≤1.8
Radiation	Omni-Direction
Polarization	Vertical
Maximum Input Power	5W
Impedance	50Ω
Connector	SMA Male
Antenna Radome Material	TPE

Mechanical

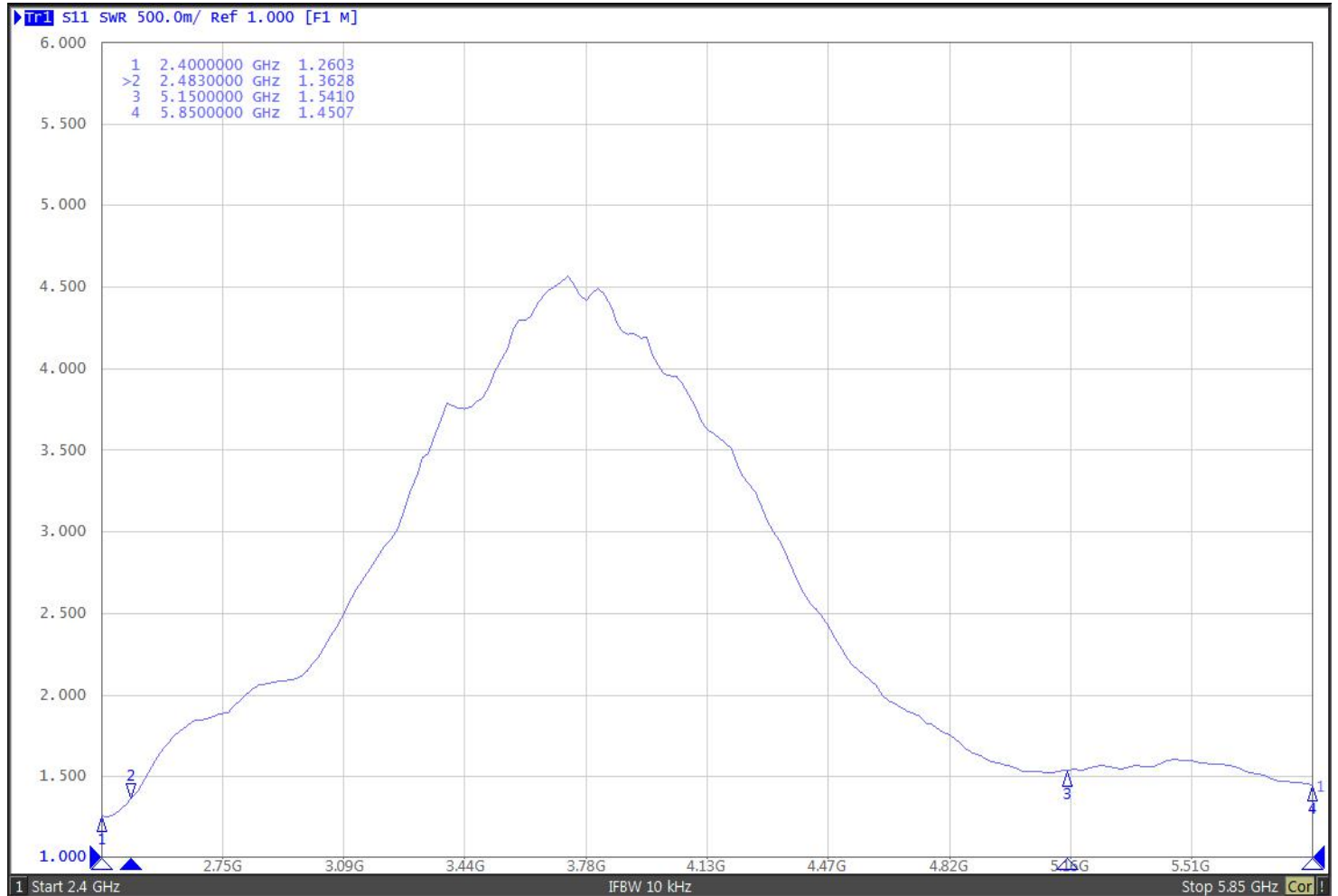
Dimensions	Φ8x108mm
Weight	7g
Operating Temperature	-40℃ to+70℃
RoHS Compliant	YES

3.Drawing

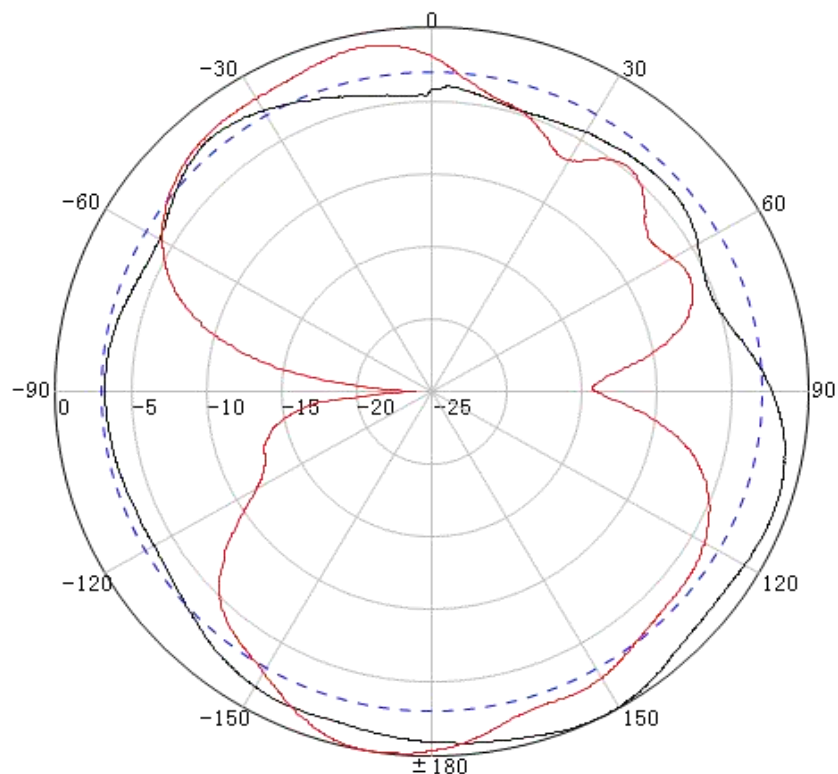


Units:mm

4.V.S.W.R



5. Radiation Pattern

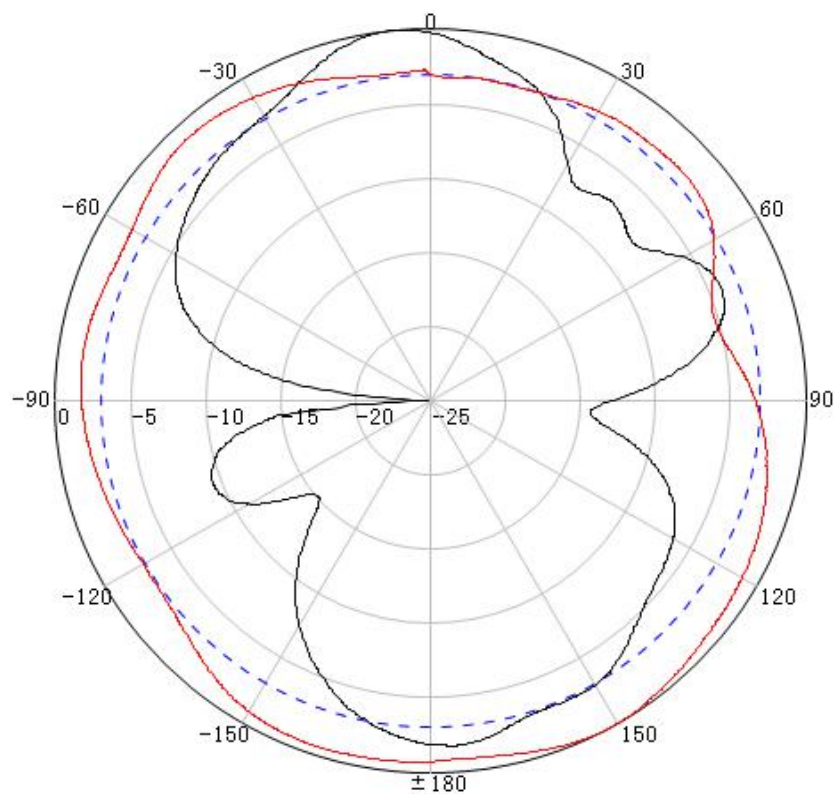


2400MHz

天线种类:终端天线
测试频率:2400MHz
测试时间:2023-10-14
测试平面:水平面
3 dB宽度:140.87°
前后比值:2.26dB

天线种类:终端天线
测试频率:2400MHz
测试时间:2023-10-14
测试平面:垂直面
3 dB宽度:68.90°
前后比值:0.95dB

Gain:4.09dBi

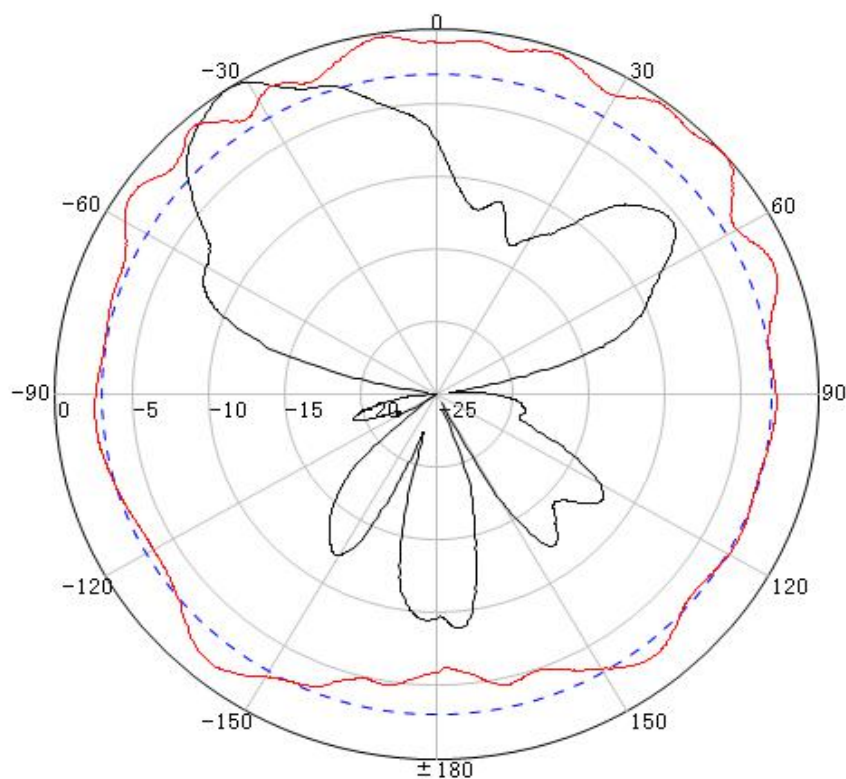


2483MHz

天线种类:终端天线
测试频率:2483MHz
测试时间:2023-10-14
测试平面:垂直面
3 dB宽度:51.20°
前后比值:1.77dB

天线种类:终端天线
测试频率:2483MHz
测试时间:2023-10-14
测试平面:水平面
3 dB宽度:237.21°
前后比值:1.10dB

Gain:4.25dBi

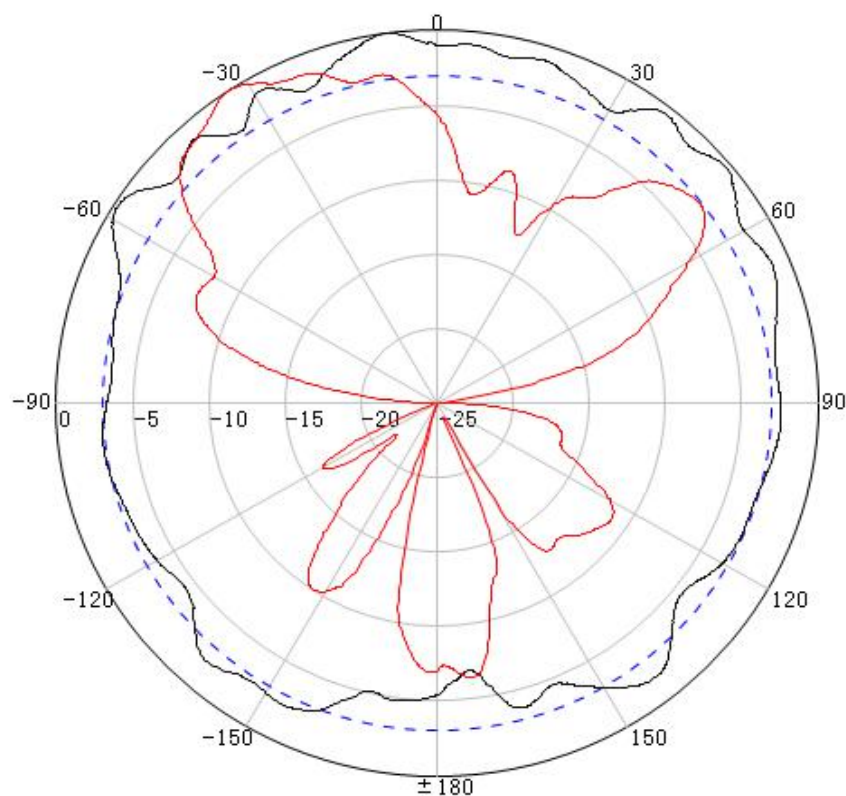


5150MHz

天线种类:终端天线
测试频率:5150MHz
测试时间:2023-10-14
测试平面:垂直面
3 dB宽度:30.70°
前后比值:8.89dB

天线种类:终端天线
测试频率:5150MHz
测试时间:2023-10-14
测试平面:水平面
3 dB宽度:160.97°
前后比值:1.40dB

Gain:6.09dBi

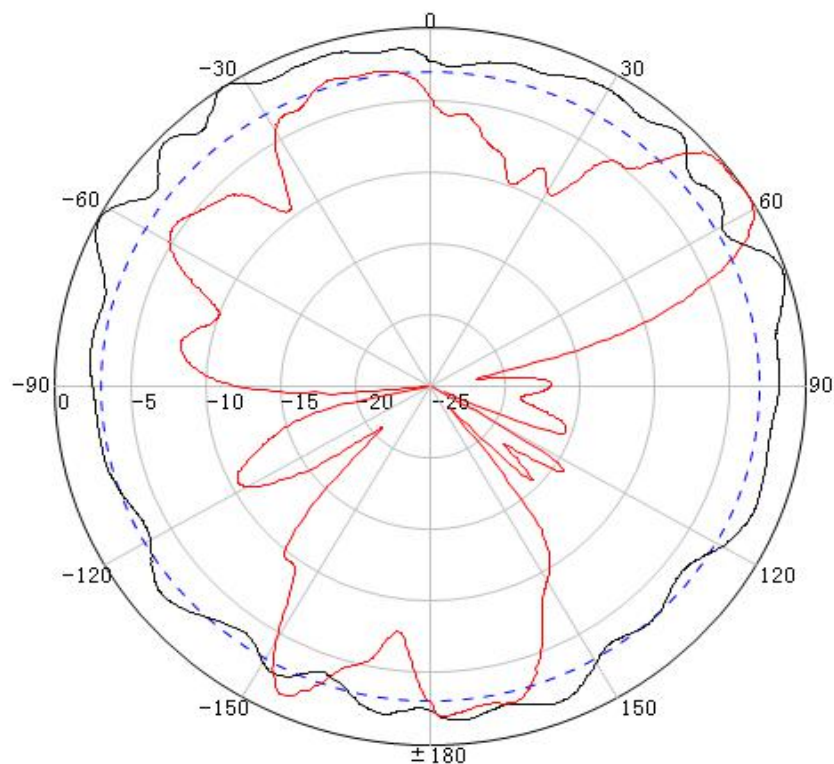


5250MHz

天线种类:终端天线
测试频率:5250MHz
测试时间:2023-10-14
测试平面:水平面
3 dB宽度:176.24°
前后比值:1.70dB

天线种类:终端天线
测试频率:5250MHz
测试时间:2023-10-14
测试平面:垂直面
3 dB宽度:41.88°
前后比值:6.48dB

Gain:5.55dBi

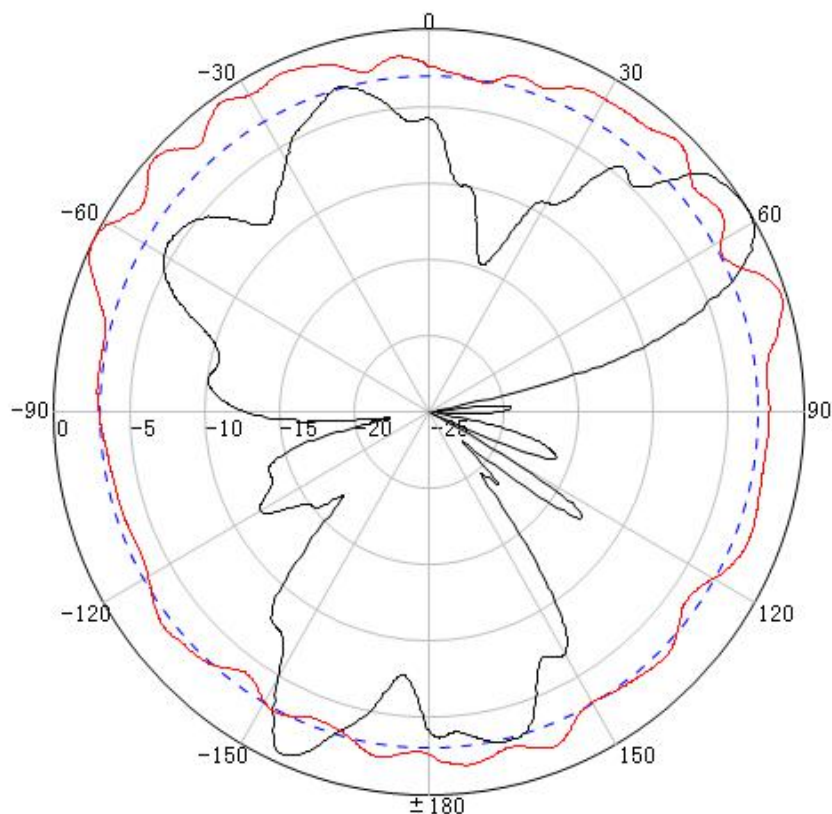


5725MHz

天线种类:终端天线
测试频率:5725MHz
测试时间:2023-10-14
测试平面:水平面
3 dB宽度:229.62°
前后比值:1.38dB

天线种类:终端天线
测试频率:5725MHz
测试时间:2023-10-14
测试平面:垂直面
3 dB宽度:21.92°
前后比值:2.55dB

Gain:4.61dBi



5850MHz

天线种类:终端天线
测试频率:5850MHz
测试时间:2023-10-14
测试平面:垂直面
3 dB宽度:20.39°
前后比值:3.04dB

天线种类:终端天线
测试频率:5850MHz
测试时间:2023-10-14
测试平面:水平面
3 dB宽度:96.52°
前后比值:2.09dB

Gain:4.77dBi