

# Data Sheet

MODEL NAME: 2.4G(5 dBi) Dipole Antenna

SJEC P/N:

SJECN Electronics Co.

勝捷電子有限公司

# 1. Dipole Antenna Specifications

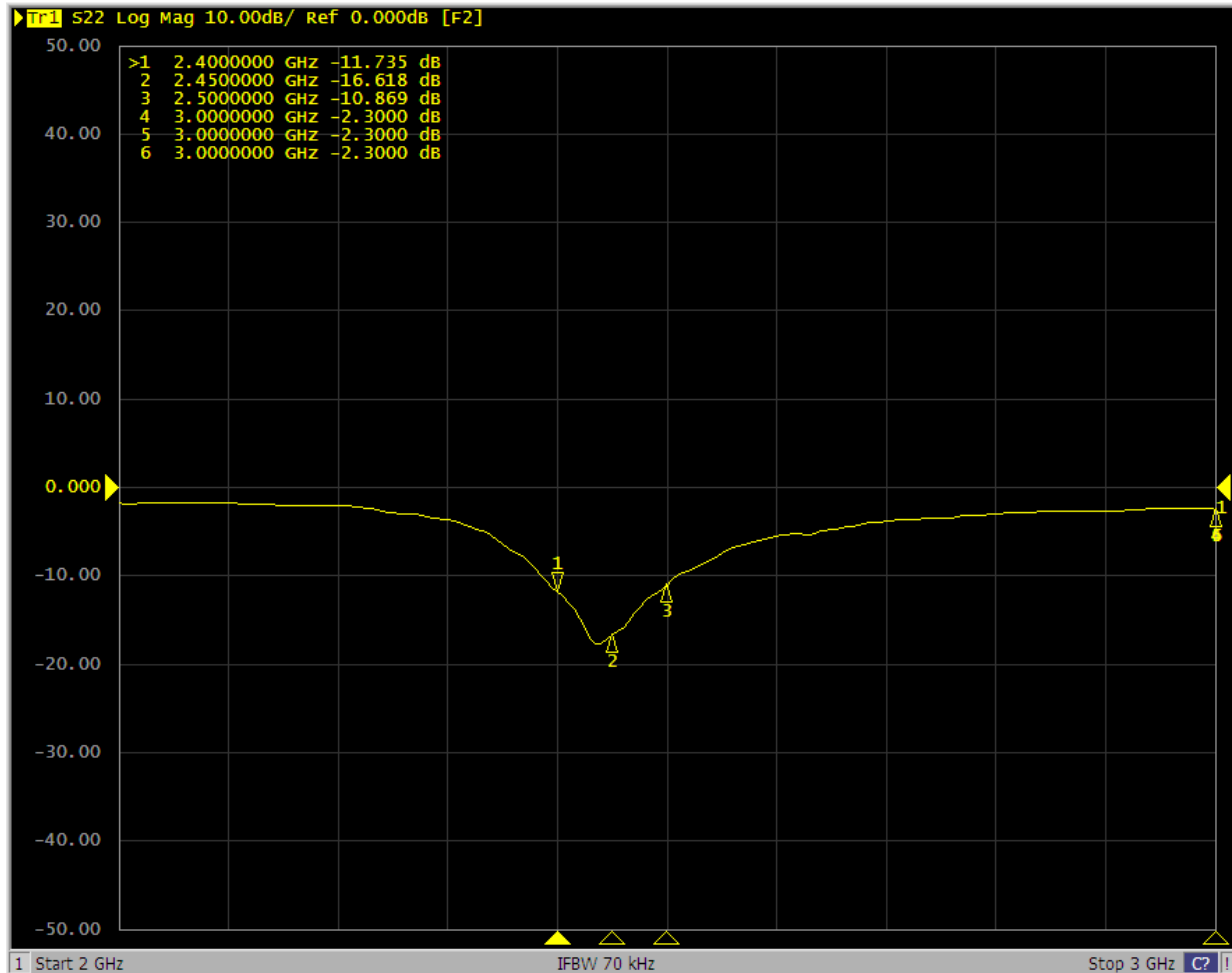
Antennas Type	2.4G(5dBi) Dipole Antenna
Polarization	Linear
Radiation pattern	Omni-directional
Impedance	50Ω
Frequency(MHz)	2400~2500MHz
Return Loss(dB)	-5 dB
Efficiency(%)	

## 2. Antenna Overview

### 3. Antenna Photo



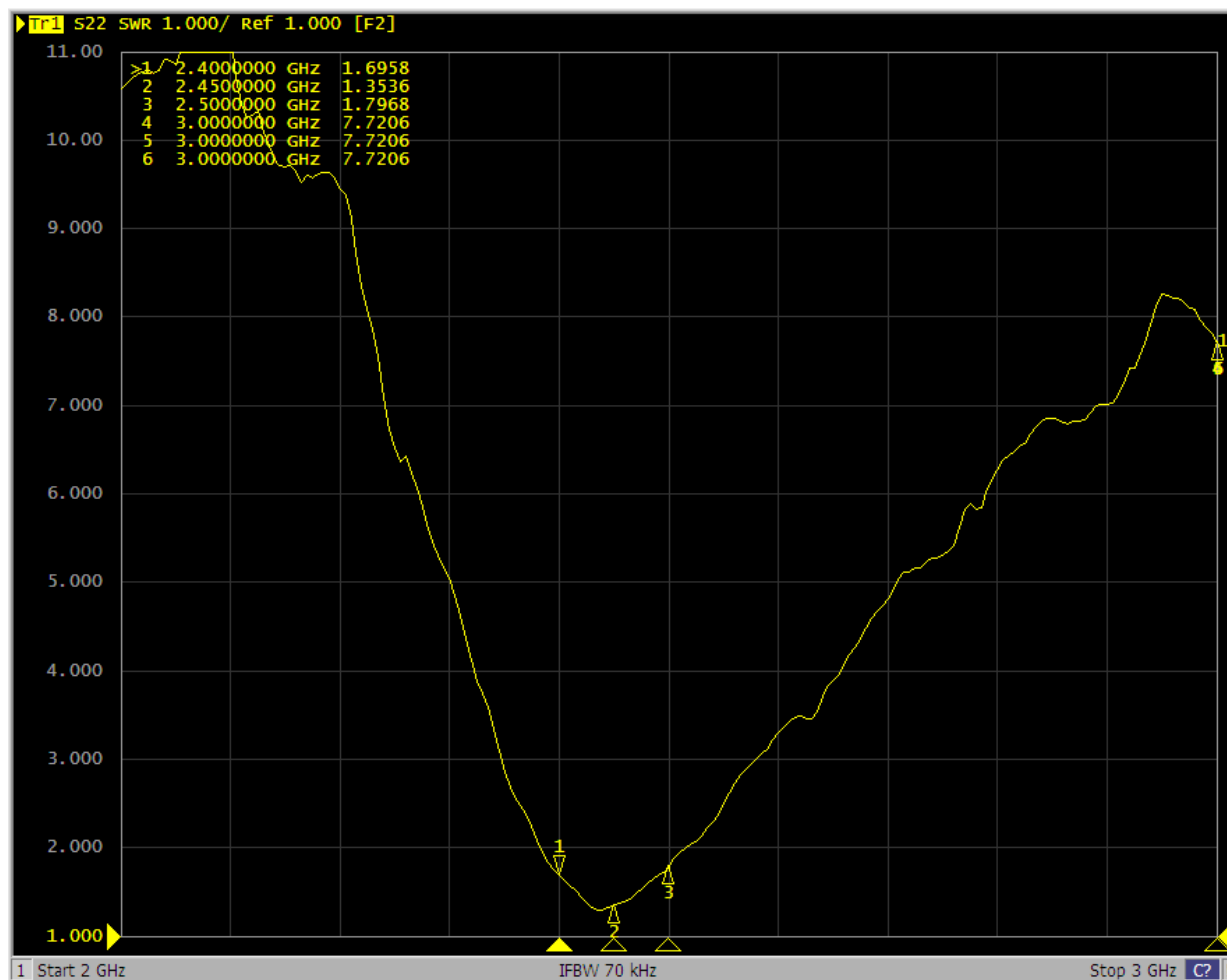
## 2. Return Loss



Wi-Fi 2.4G

<-10dB

### 3. VSWR



Wi-Fi 2.4G

<2

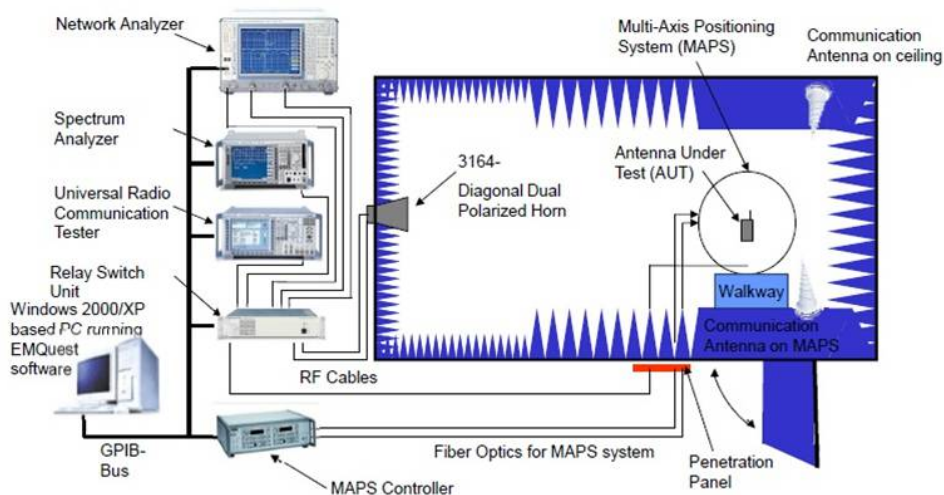
## 4. The Environment of Antenna Radiation Pattern

The antenna efficiency and gain were measured using a ETS AMS-8500 3-D anechoic chamber at HTW.

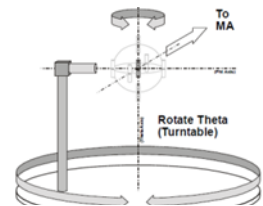
**Chamber Size: 7.32m x 3.66m x 3.66m**

**Test Distance: 4.9 meter**

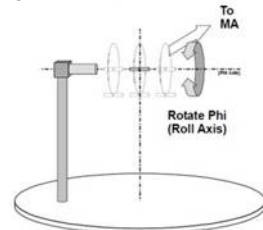
**Frequency: 700MHz – 6GHz**



Theta - Axis



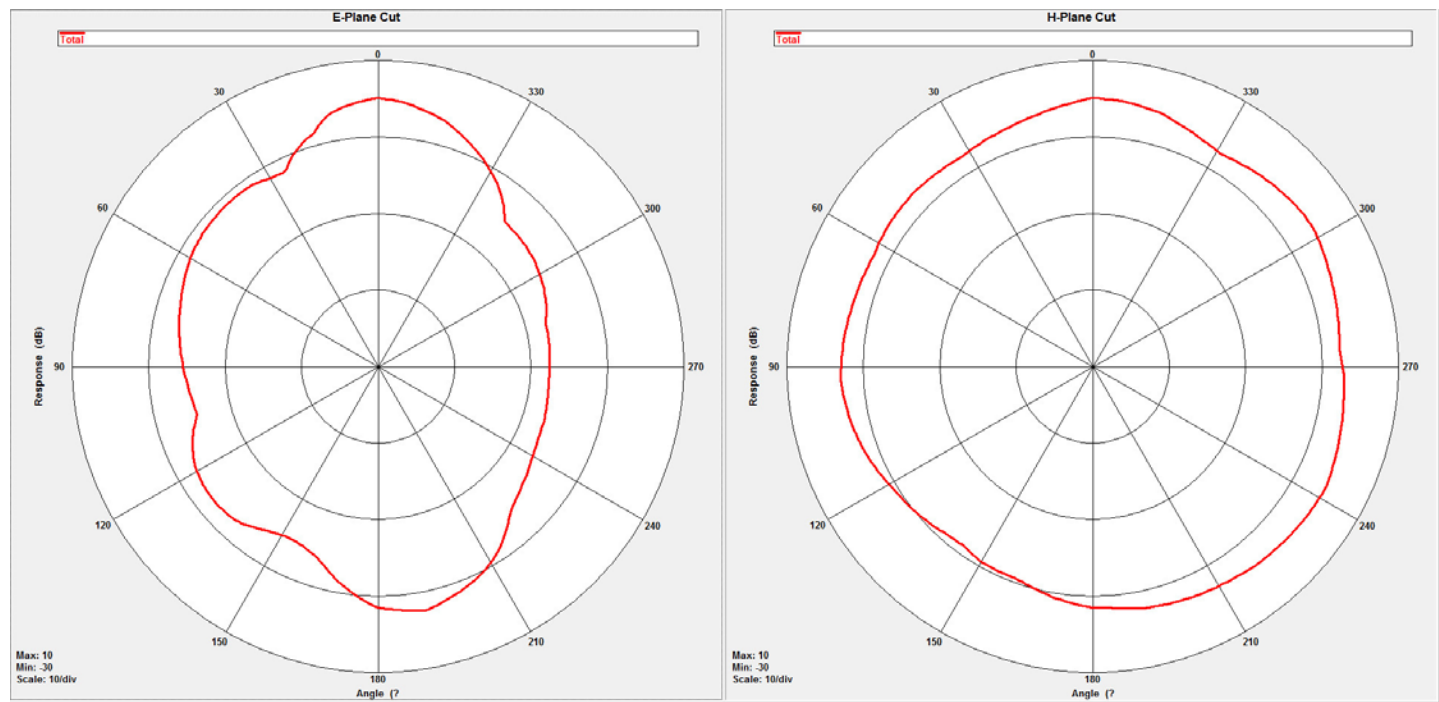
Phi - Axis



## 5. Radiation Pattern

### 2D Radiation Pattern

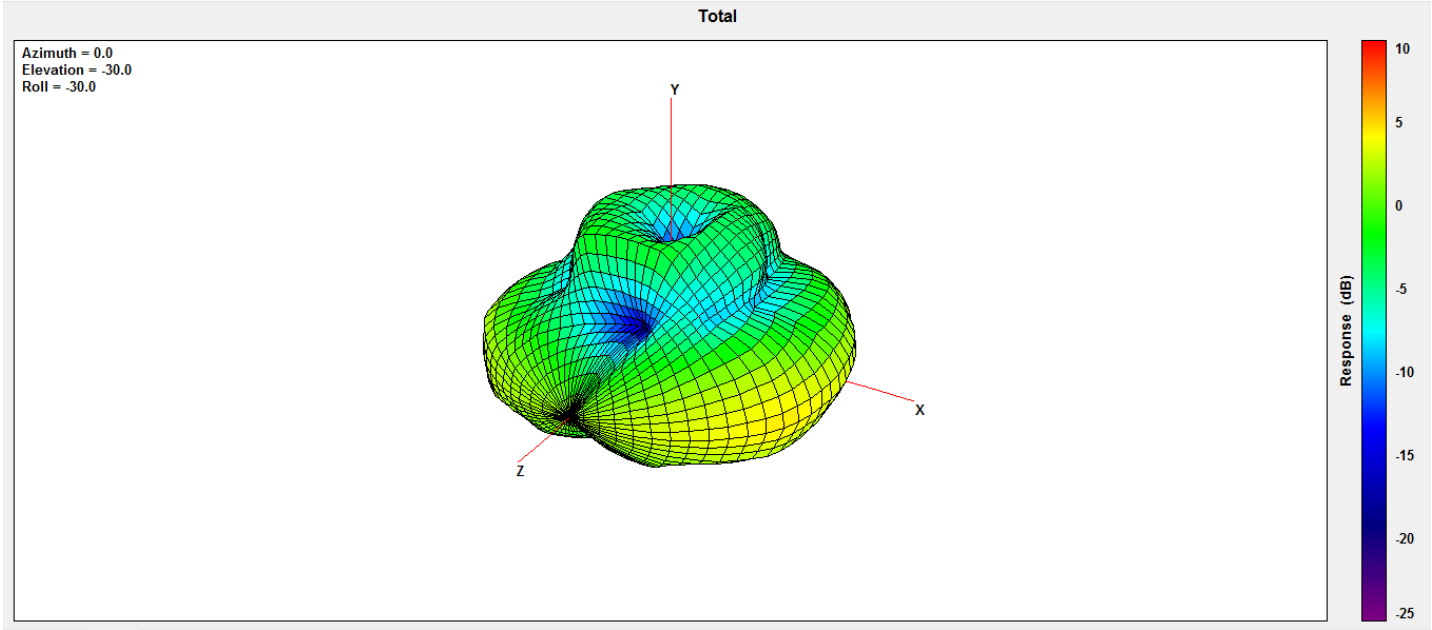
2450MHz





3D Radiation Pattern

2450MHz



6. Test result:

Dipole Antenna Test Data		
Freq.	Gain (dBi)	Efficiency (%)
MHz	Peak Gain(dBi)	
2400	4.8	75.2
2450	5.0	81.4
2500	5.0	80.8