

Test Report

一、Test environment:

Temperature	24°C
Humidity	55%RH
Atmospheric pressure	100.04kPa

二、Sample information:

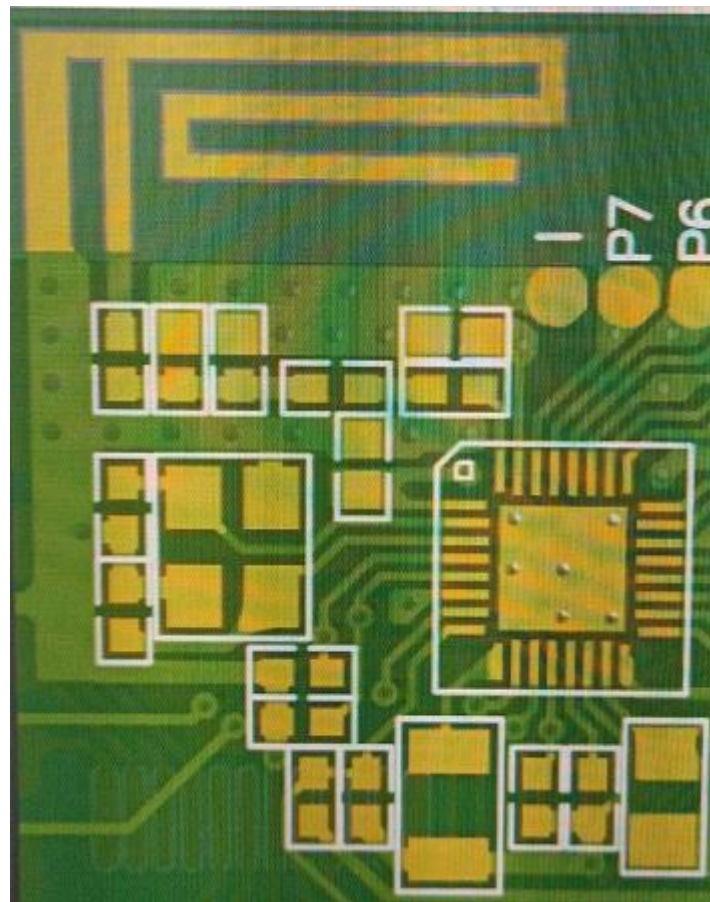
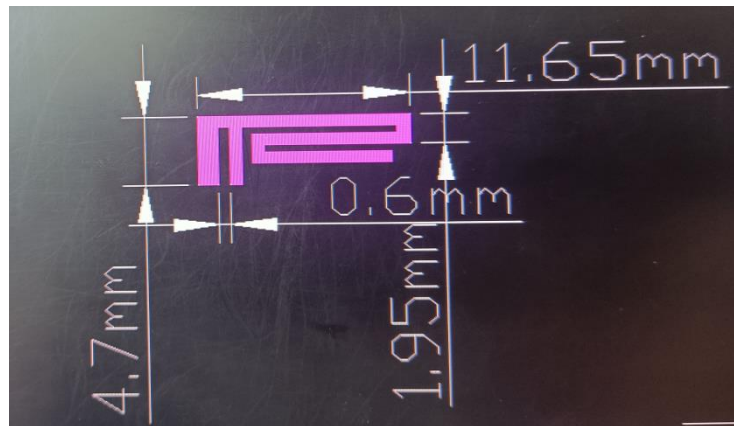
Product name	2.4G ANT
Specification Size	18mm x 12mm x 0.8mm
Test Project	Standing Wavebie: Gain; Radiation efficiency; Radiation pattern
Frequency Band Range	2400-2500MHZ
Test Data	2020.09.01

三、 Test Results

1. Antenna Specification

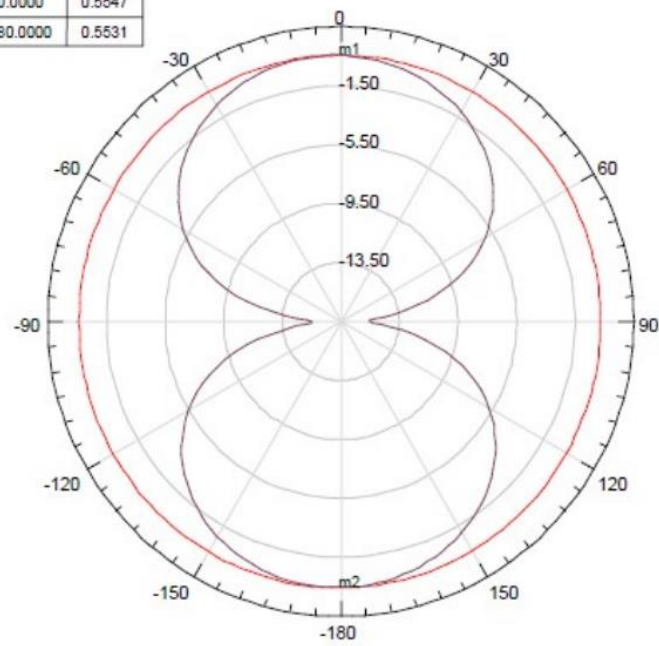
ITEM	ANT SPEC	
Polarization	Horizontal	
Center Frequency	2400 MHZ 2450 MHZ 2500 MHZ	0.71 dBi 0.62 dBi -3.22 dBi
Polarization	Vertical	
Center Frequency	2400 MHZ 2450 MHZ 2500 MHZ	-0.53 dBi -1.10 dBi -3.99dBi
Azimuth Beam Pattern	Omni-directional	
Impedance	50 Ω	
Antenna Length and width	11.65mm*4.7mm	
Antenna type	PCB ANT	
Manufacture	Freeman IT Limited	
Address	1-3F, 2nd Bldg, Gangbei Industrial Park, Ailian area, Baohe Rd, Xinlian Community, Longcheng Street, Longgang District, Shenzhen, China	

2. Antenna Photo & Length



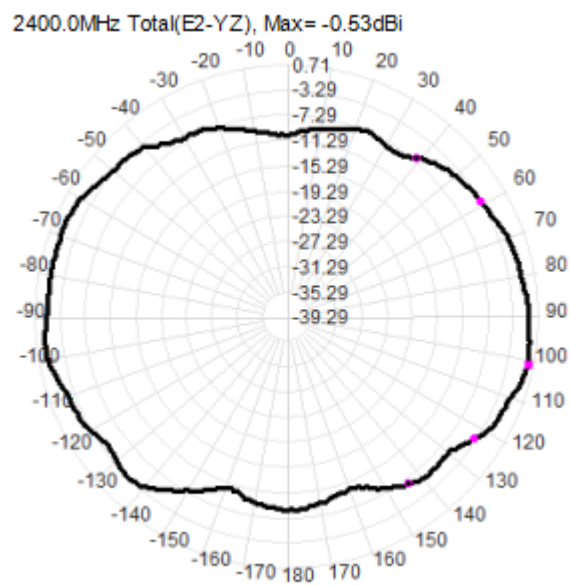
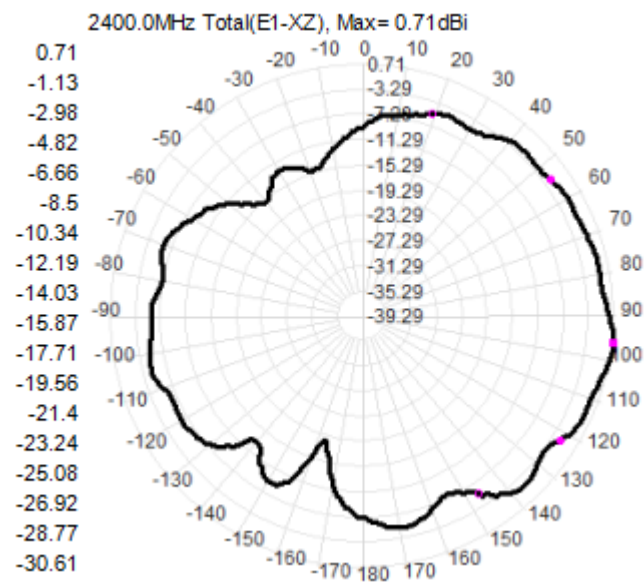
3. Directed graph

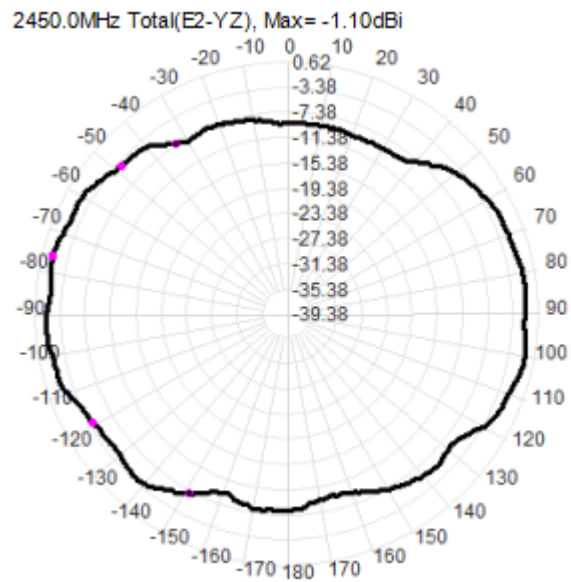
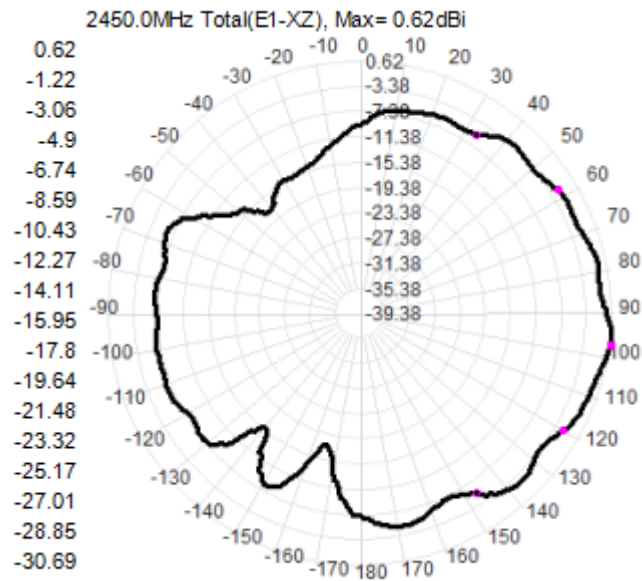
Name	Theta	Ang	Mag
m1	0.0000	0.0000	0.5547
m2	180.0000	180.0000	0.5531



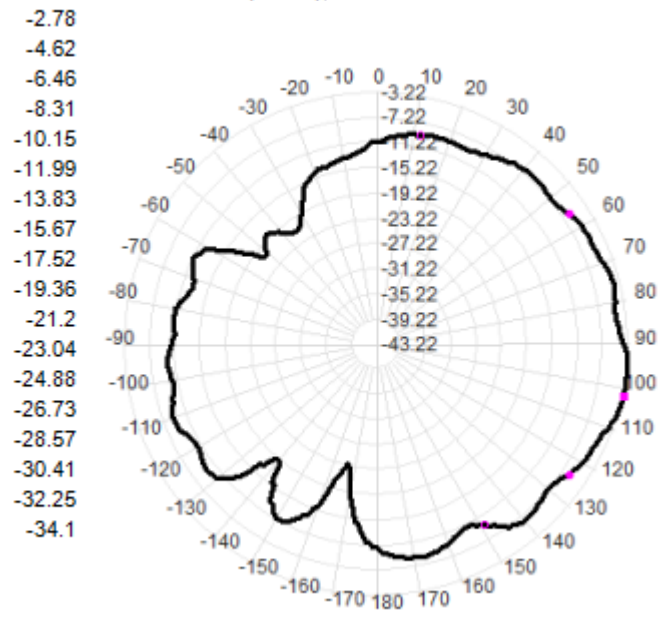
Curve Info
dB(GainTotal)
Setup1 : Sweep1
Phi='0deg'
dB(GainTotal)
Setup1 : Sweep1
Phi='90deg'

4.Test Datas





2500.0MHz Total(E1-XZ), Max= -3.22dBi



2500.0MHz Total(E2-YZ), Max= -3.99dBi

