

Antenna Specification

Manufacturer: Shenzhen Daxian Technology Co., Ltd

Address: 7 / F, R&D Building, Jihua Road, Buji Street, Longgang District, Shenzhen, China

Customer: Zhiyi (Zhongshan) Technology Co., Ltd.

Antenna Type: WIFI antenna assembly

Antenna Model: DX-X912-WIFI-V04

Antenna Frequency Band: 2400-2500MHz

Antenna Gain: 3.1 dBi Max.

1. Electrical performance index

The antenna operates at 2400 MHz to 2500 MHz. The following table is an indicator of the electrical performance of large display designs and mass production antennas

Mode	Frequency (MHz)	VSWR
WIFI	2400 ~ 2500	≤ 2

2. Antenna position



3. Antenna composition

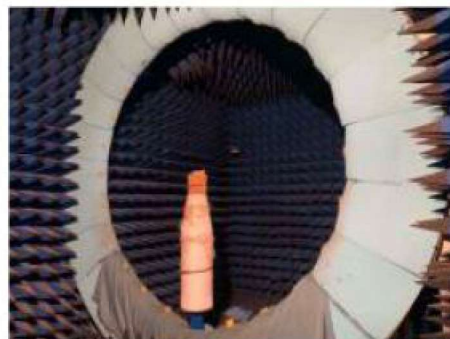
The antenna is mainly composed of FPC+ coaxial line.

4.The Equipment of Active Test

Satimo 3D Chamber 6×4×4(m)

Agilent 8960 E5515c

Network analyzer-R&S ZVL



5. Passive Efficiency & Gain testing

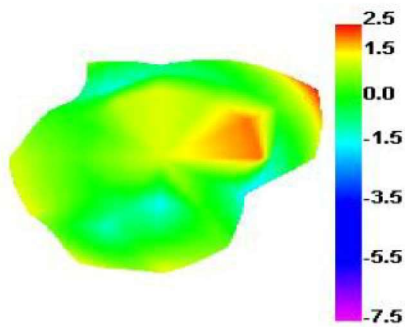
Freq (MHz)	Effi (%)	Gain (dBi)
2400	54.48	1.63
2410	54.42	1.52
2420	54.51	1.86
2430	55.01	2.17
2440	54.54	2.23
2450	55.11	2.55
2460	54.88	2.77
2470	55.17	3.1
2480	53.16	2.94
2490	52.69	3.04
2500	50.11	2.7

6. VSWR parameter diagram

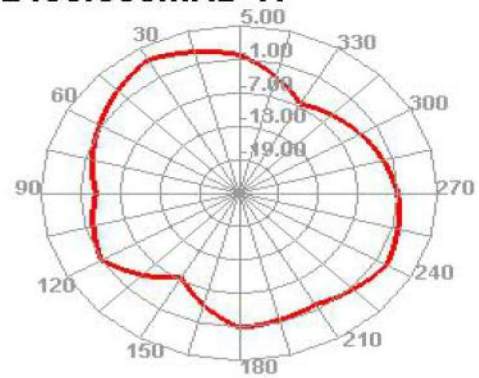


7. 2D&3D field pattern --WIFI 2.4G

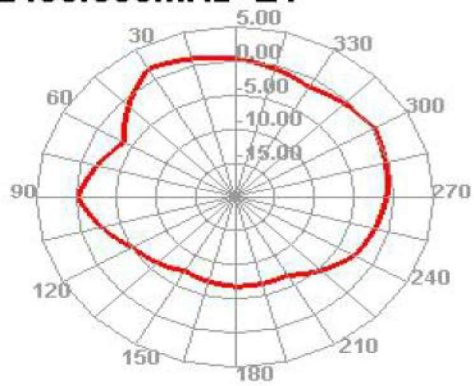
2450.000MHz



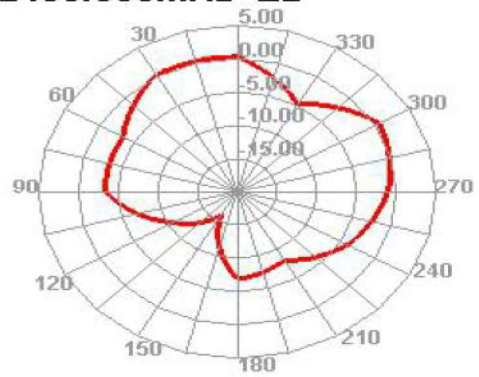
2450.000MHz H



2450.000MHz E1



2450.000MHz E2



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