

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: Integrated FPC antenna

Antenna Model: X1000 WIFI Antenna

Antenna Frequency Band: 2400-2500MHz; 5150-5850MHz

Antenna Gain: 1.48 dBi Max. for 2412-2462MHz;
2.76 dBi Max. for 5180-5825MHz

1. Electrical performance index

The antenna operates at 2400 MHz~ 2500 MHz; 5150~5850MHz. 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
WIFI	5150 ~ 5850	≤ 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

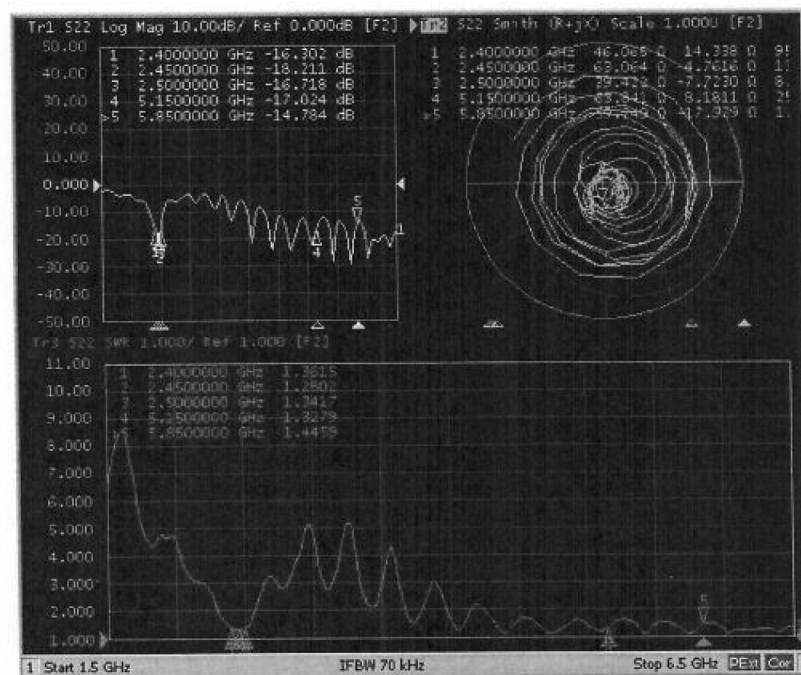
Network analyzer-R&S ZVL



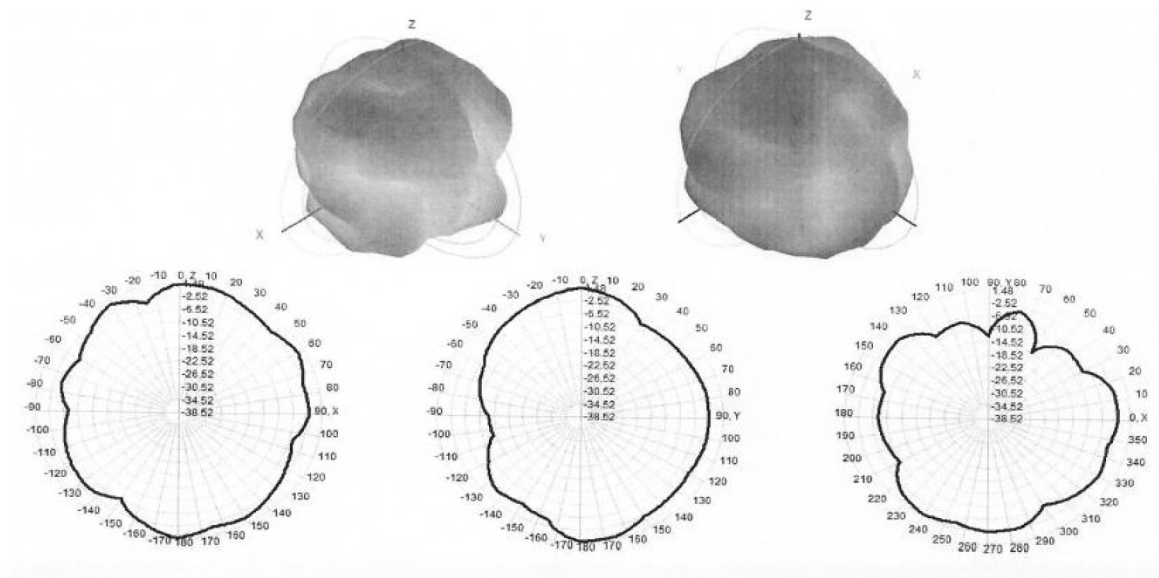
5. Passive Efficiency & Gain testing

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	47.99	-3.19	1.38
2450	48.44	-3.15	1.48
2500	47.76	-3.21	1.59
5150	48.03	-3.18	2.64
5350	48.56	-3.14	2.76
5500	49.15	-3.08	2.58
5650	49.48	-3.06	2.32
5750	48.88	-3.11	2.41
5850	48.31	-3.16	2.39

6. VSWR parameter diagram



7. 2D&3D field pattern --WIFI 2.45G



7. 2D&3D field pattern --WIFI 5.5G

