

Antenna Specification

Manufacture's name : Shenzhen Qianli Technology Co., Ltd.
Address : 403A, South District, Jingji Yujing Times Building, No.1 Gexi
2nd Road, Longcheng Street, Longgang District, Shenzhen
Antenna name : FPC Antenna

EUT Description

Test Item	Antenna gain; Radiation pattern and efficiency
Antenna Type	FPC Antenna
Frequency Range	2400MHz-2500MHz 5150MHz -5850MHz

1 Test Data

1.1 Typical free space efficiency and gain

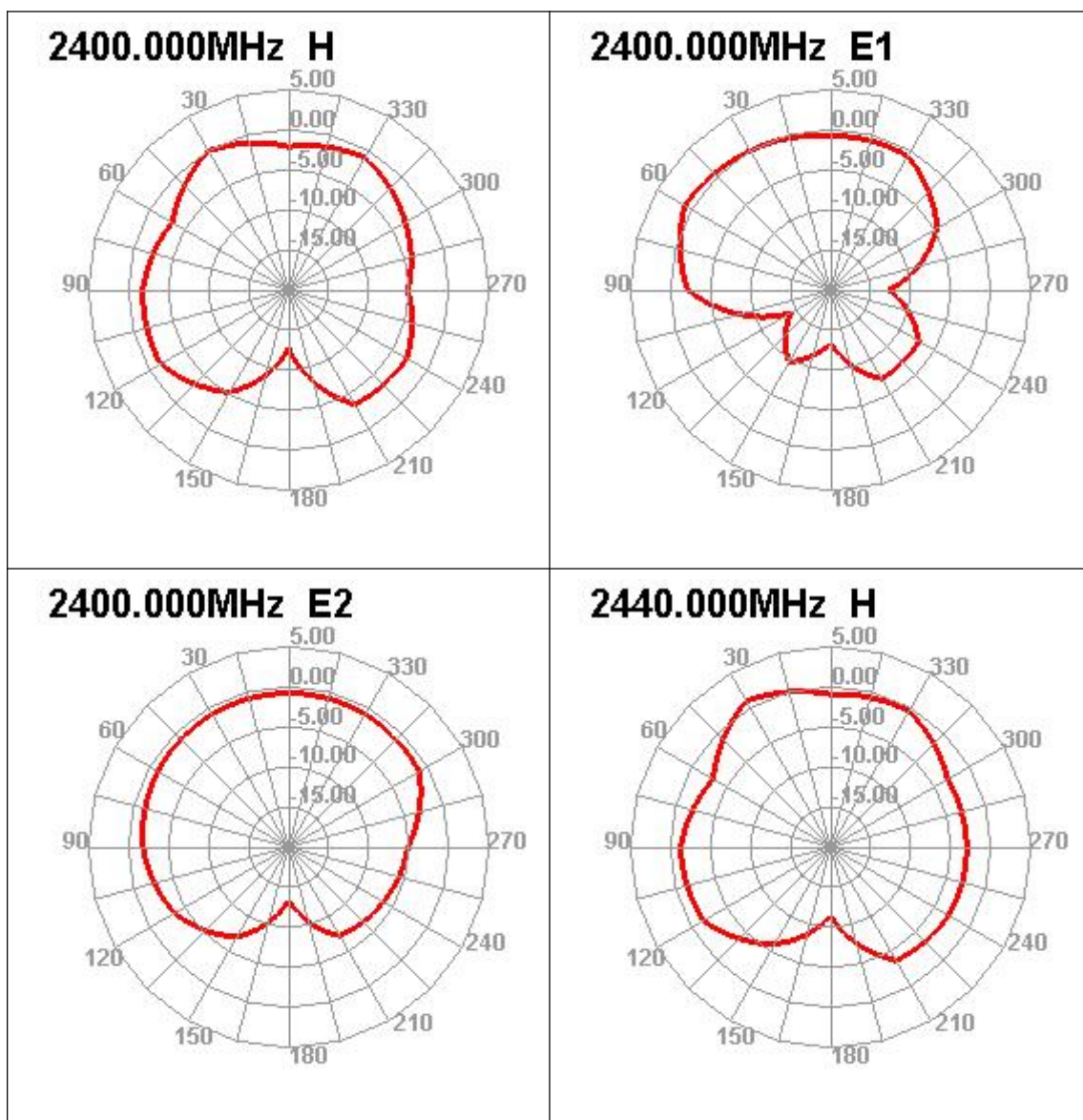
Test data For 2400MHz-2500MHz:

Frequency/MHz	Efficiency / dB	Efficiency / %	Max Gain/dBi
2400	-2.87	51.65	1.13
2410	-2.79	52.55	1.06
2420	-2.79	52.65	1.05
2430	-2.54	55.66	1.3
2440	-2.49	56.39	1.42
2450	-2.76	52.98	1.24
2460	-2.84	52.01	1.25
2470	-2.8	52.43	1.34
2480	-2.55	55.61	1.48
2490	-2.16	60.79	1.84
2500	-2.18	60.55	1.88

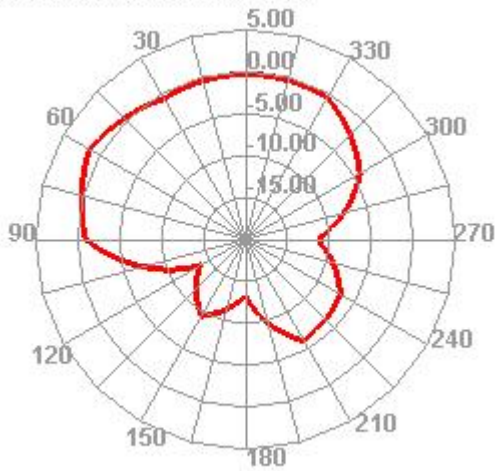
Test data For 5150MHz -5850MHz:

Frequency/MHz	Efficiency / dB	Efficiency / %	Max Gain/dBi
5150	-2.54	55.72	3.37
5220	-2.53	55.8	2.84
5290	-2.53	55.91	3.47
5360	-2.7	53.72	3.97
5430	-2.84	51.96	3.32
5500	-2.59	55.05	3.75
5570	-2.27	59.23	3.99
5640	-2.43	57.13	2.84
5710	-2.5	56.28	2.88
5780	-2.37	57.89	2.74
5850	-2.16	58.75	2.94

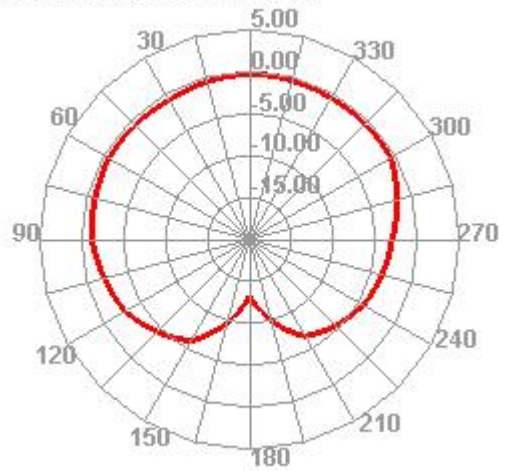
1.2 Typical free space radiation pattern



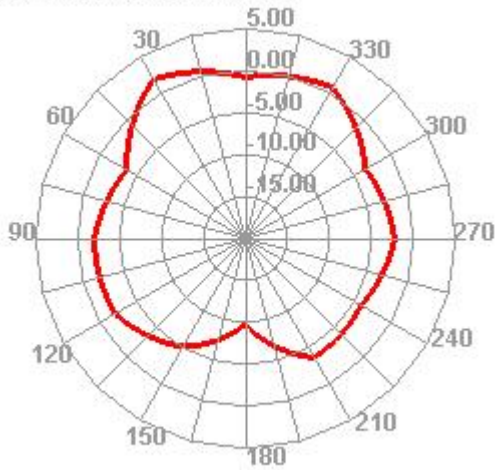
2440.000MHz E1



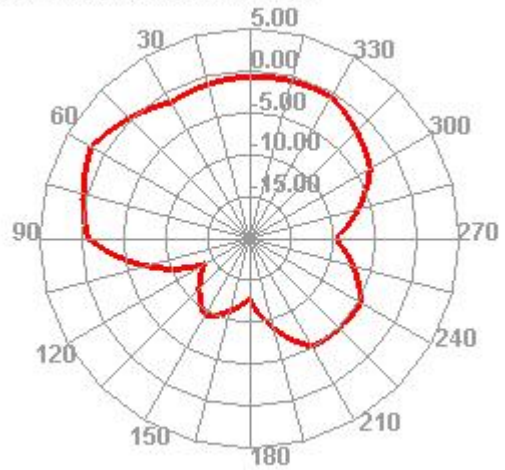
2440.000MHz E2



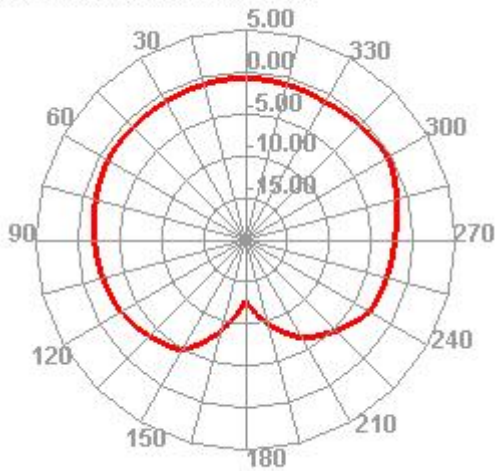
2500.000MHz H



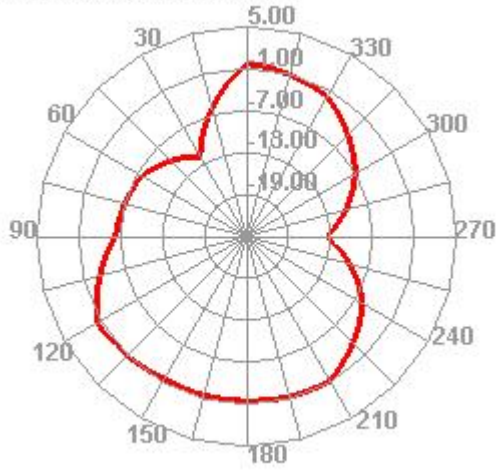
2500.000MHz E1



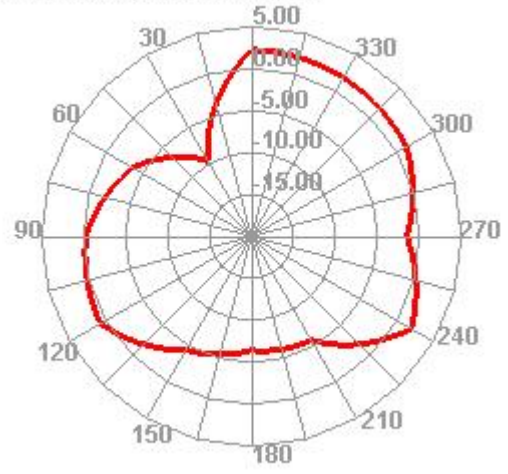
2500.000MHz E2



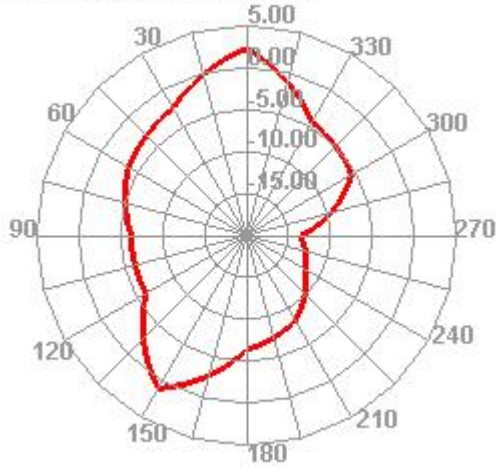
5150.000MHz H



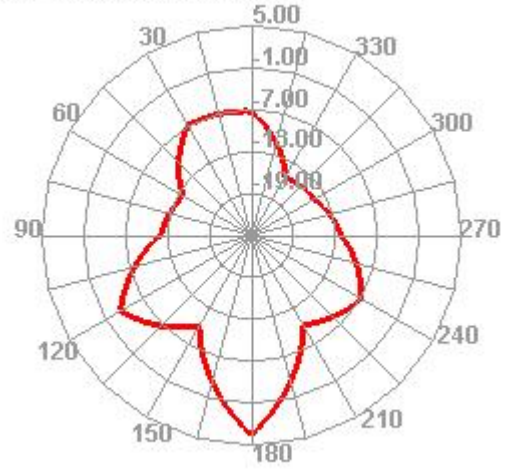
5150.000MHz E1



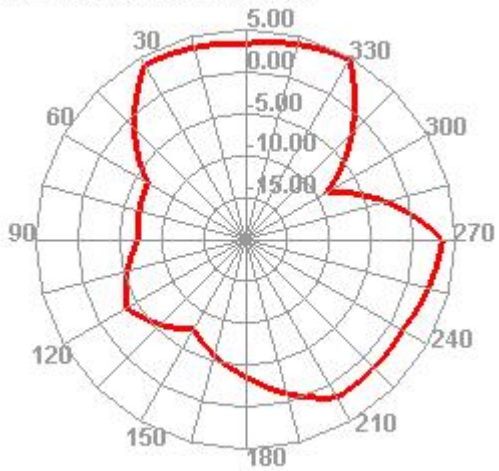
5150.000MHz E2



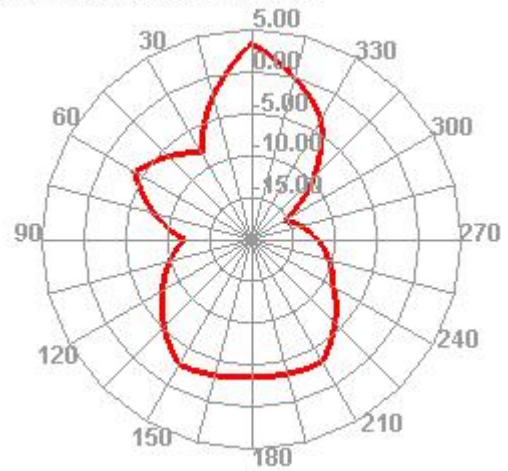
5500.000MHz H



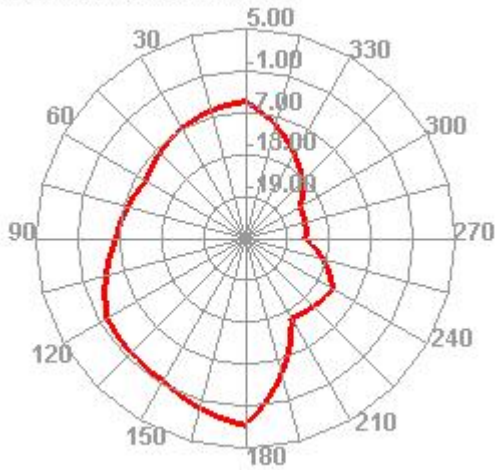
5500.000MHz E1



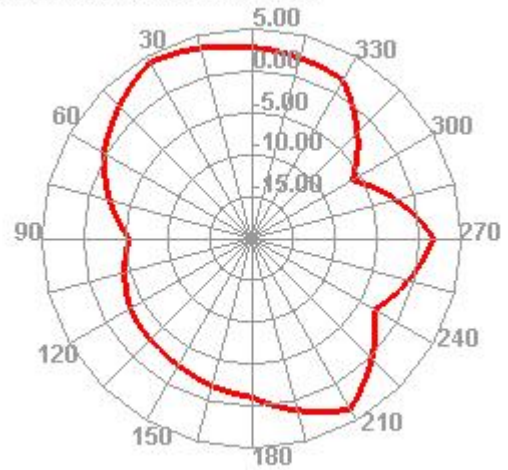
5500.000MHz E2



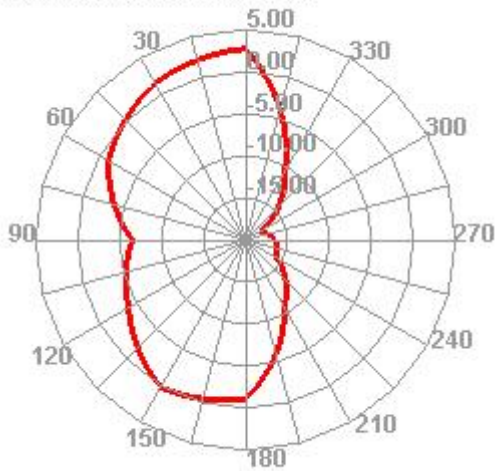
5850.000MHz H



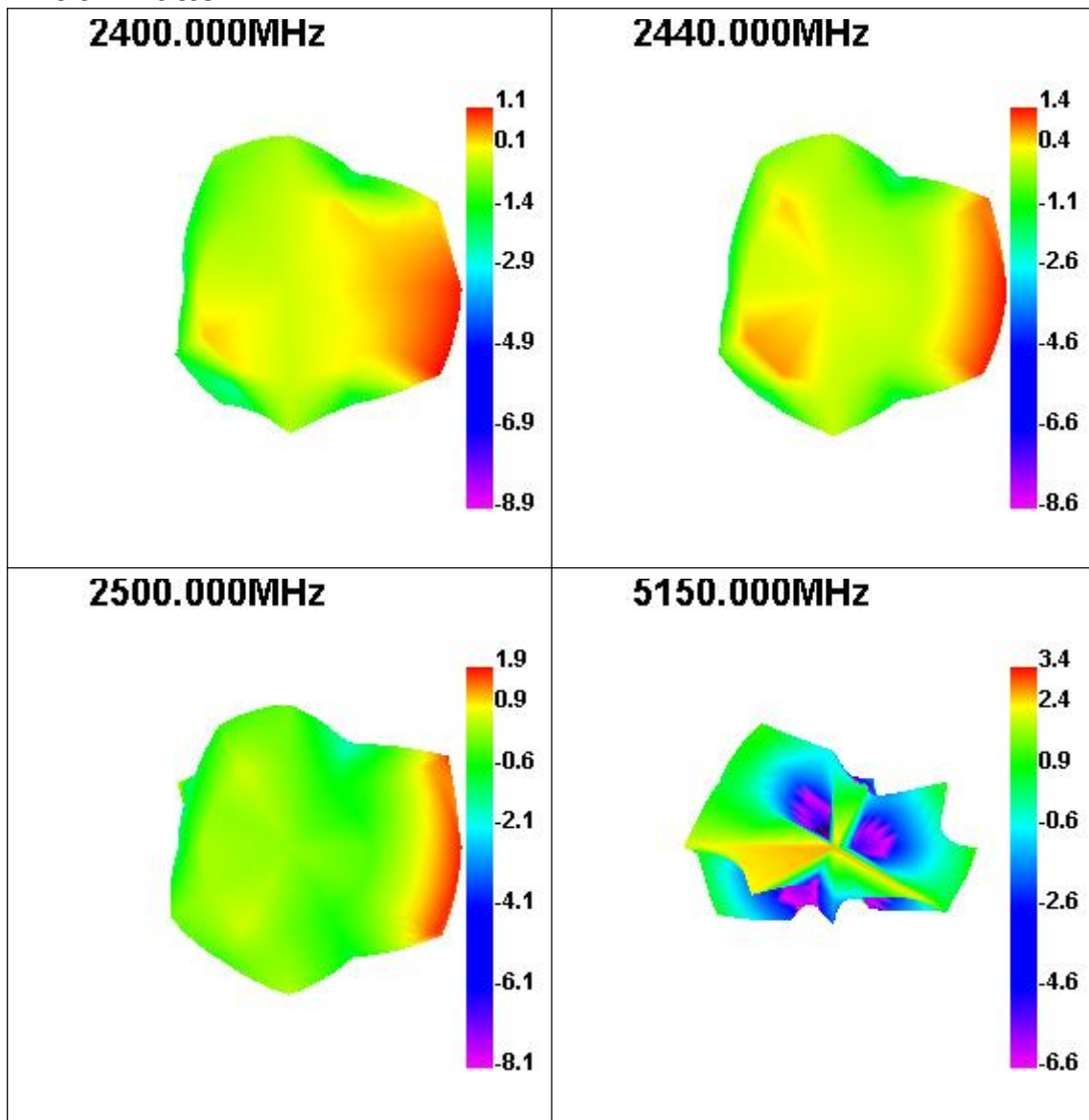
5850.000MHz E1

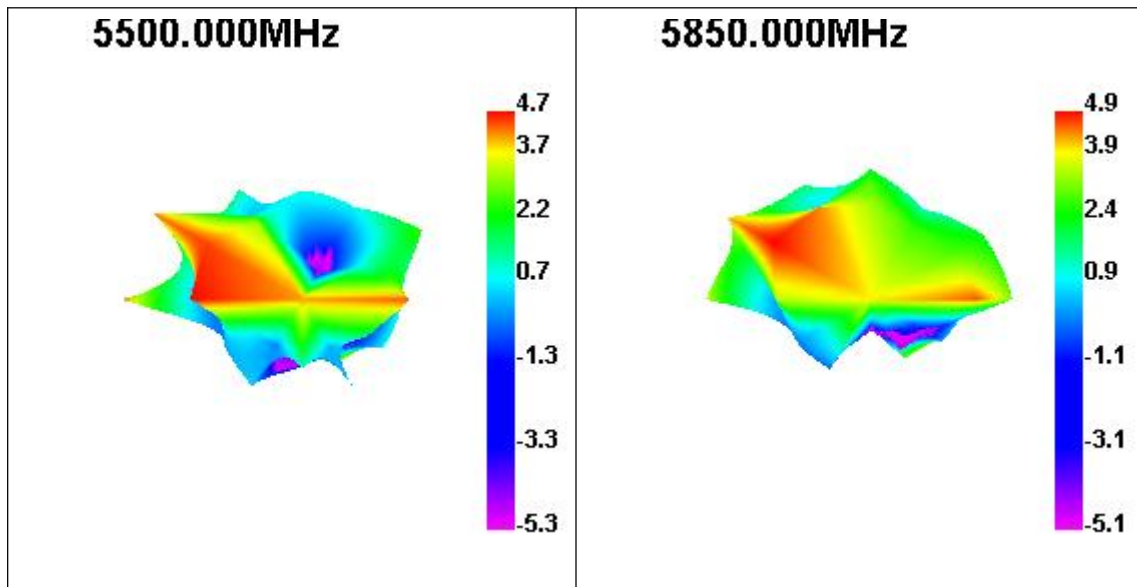


5850.000MHz E2



1.3 3D Pattern





2 EUT appearance

