

Antenna Specification

Manufacture: Shenzhen Love Palladium Technology LTD

Product Name: 2.4GHz Antenna

Test Date: 2024.7.3

Content

1.General Description	1
2.Test Configurations	2
2.1 Test Environment	2
2.2 Test Equipment	2
2.3 Test Principle	2
3.Test Results	3
3.1 Gain and Efficiency	3
3.2 Radiation Pattern	4
4.Antenna Dimensions	6

1.General Description

Manufacturer	Shenzhen Love Palladium Technology LTD
Address	No. 232 Baoshi East Road, Guantian Community, Shiyan Street, Bao'an District, Shenzhen,China
Product Name	2.4GHz Antenna
Test Items	Gain; Efficiency; Radiation Pattern
Test Frequency	2400-2500MHz
Test Standard	ANSI/IEEE Std 149-1979

2.Test Configurations

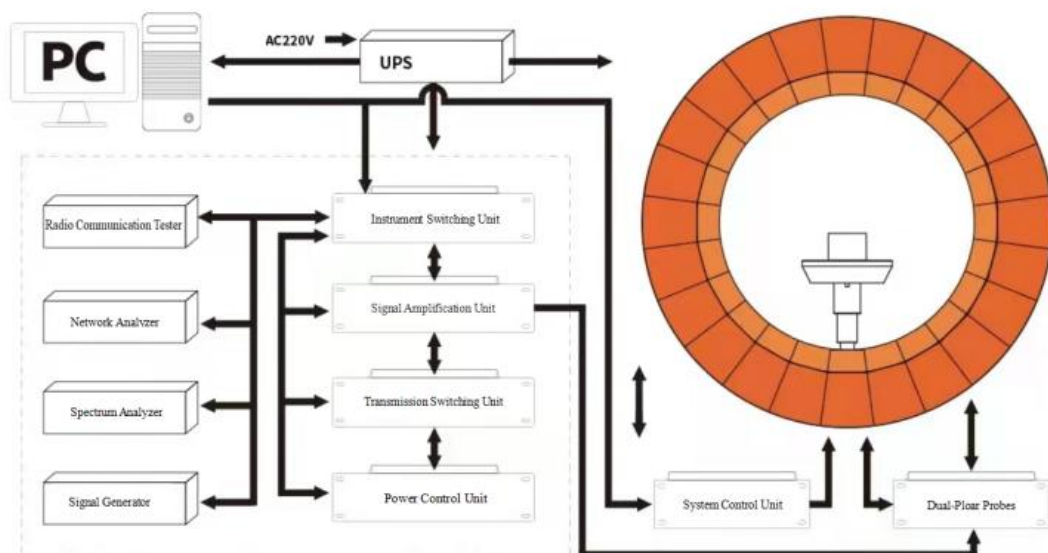
2.1 Test Environment

Temperature (°C)	25
Humidity (%RH)	60
Atmospheric Pressure (kPa)	100.5

2.2 Test Equipment

Test System	TEM 24 Multi-probe Microwave Chamber
Test Instrument	Agilent E5071B

2.3 Test Principle



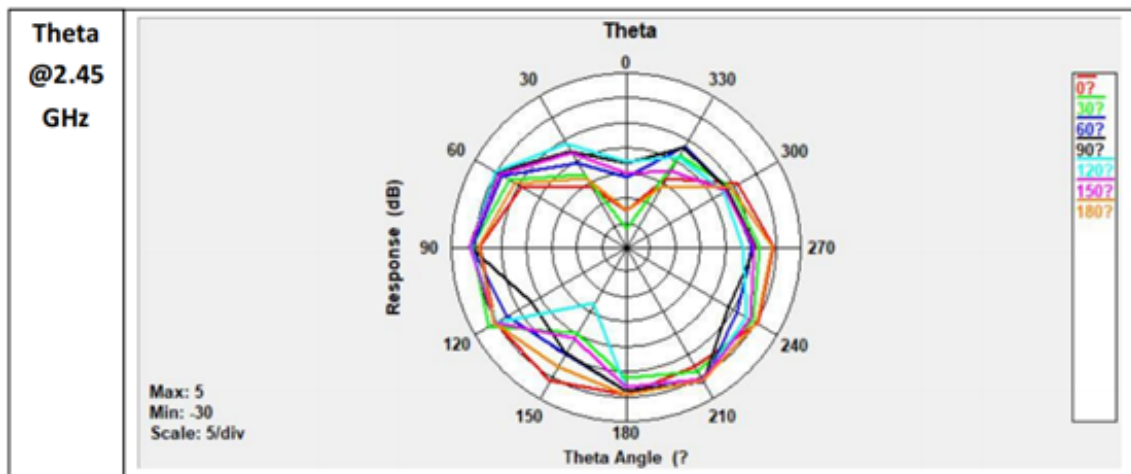
3.Test Results

3.1 Gain and Efficiency

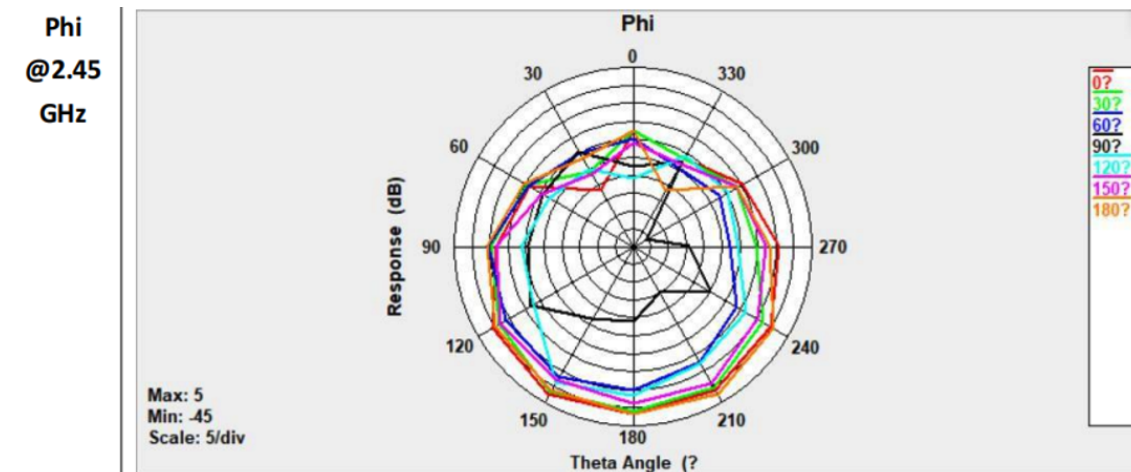
Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400	0.7462	31.9532
2437	1.3503	33.6049
2483	1.2892	34.3274

3.2 Radiation Pattern

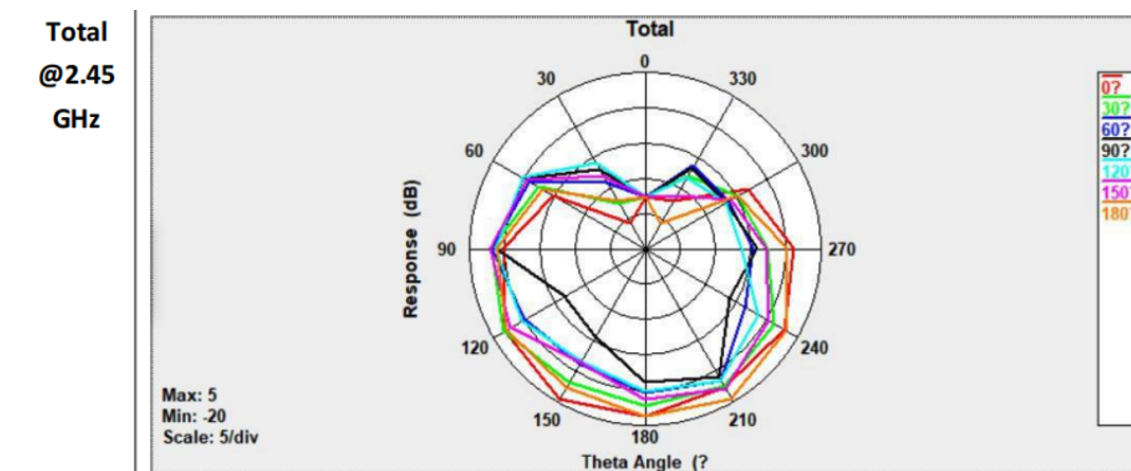
Phi 0 2D



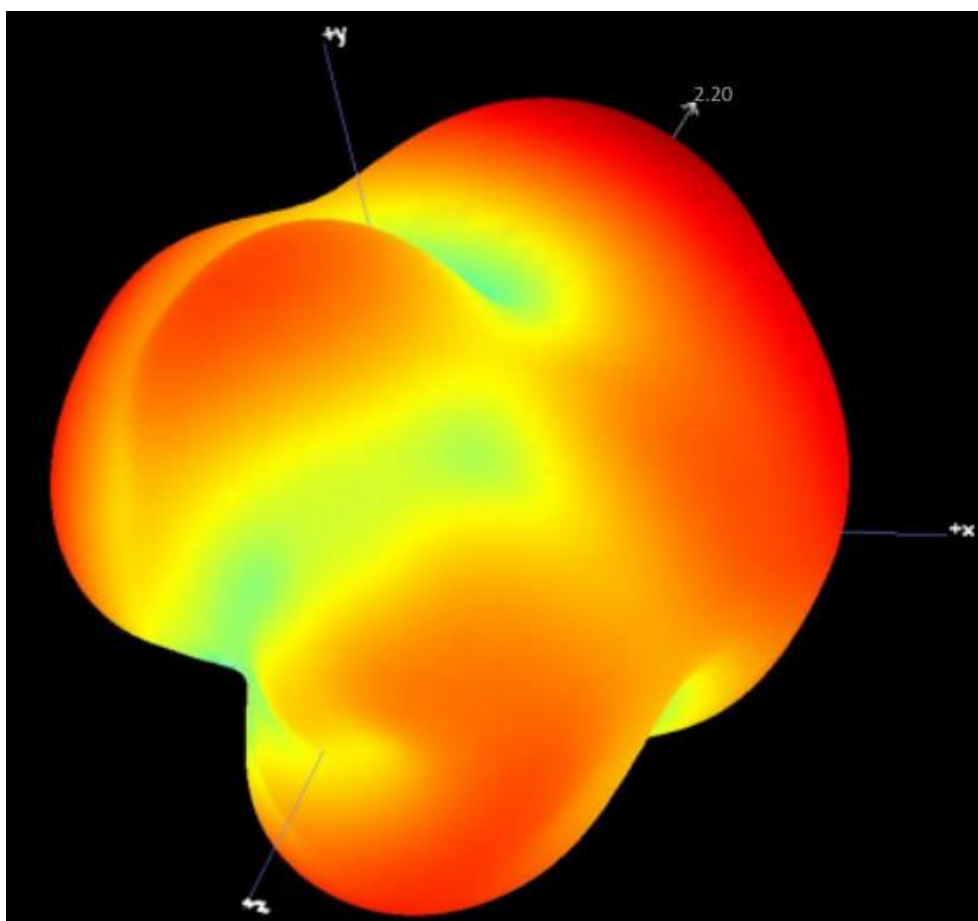
Phi 90 2D



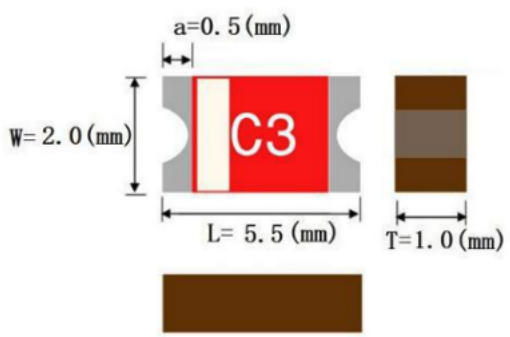
Theta 90 2D



2460MHz 3D



4. Antenna Dimensions

	L	5.5 ± 0.2
	w	2.0 ± 0.1
	T	1.0 ± 0.1
	a	0.5 ± 0.1