

Antenna Specification

Manufacture: FengShuo

Product Name: RF2502 PCB Antenna

Antenna Type: PCB

Test Date: 2026.01.30

Tested by: zhou

Approved by: xie

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
5.EUT Photo	6
6.Test Setup Photo	7

1.General Description

Manufacturer	DongGuan FengShuo Electronics Company Limited
Address	No.15 FuMin Road,ZhenXingWei,TangXia Town,DongGuan City,GuangDong Province,P.R.China
Product Name	RF2502 PCB Antenna
Product model	RF2502_A
Antenna Type	PCBAntenna
Test Items	Gain; Efficiency; Radiation Pattern
Test Frequency	2400-2500MHz
Test Standard	ANSI/IEEE Std 149-1979

2.Test Configurations

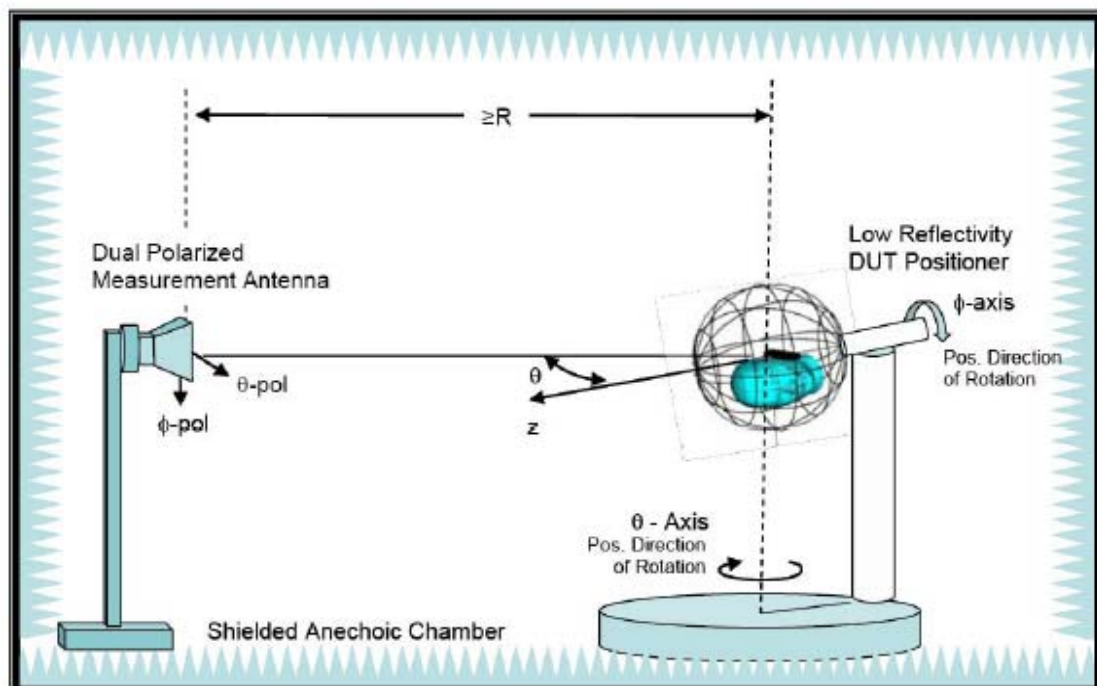
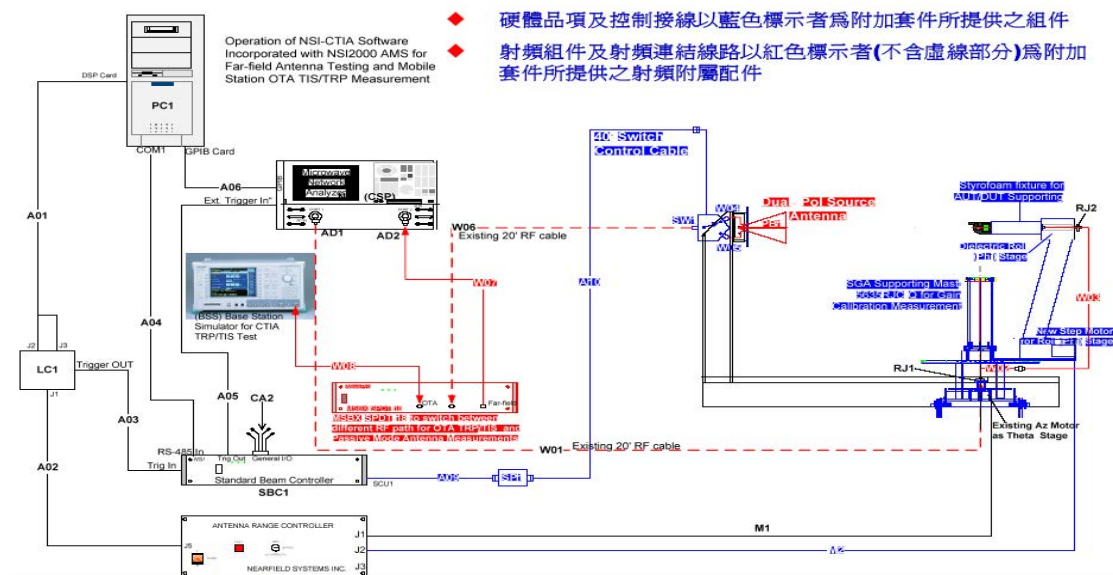
2.1 Test Environment

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

2.2 Test Equipment

Test System	NFC-500S 3D Chamber Coordinate System
	Definition
Test Instrument	Agilent E5071C

2.3 Test Principle



3.Test Results

3.1 Gain and Efficiency

Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400	-3.19	18.82
2410	-3.34	18.45
2420	-3.45	18.46
2430	-3.63	17.88
2440	-3.63	17.69
2450	-3.78	17.39
2460	-3.99	17.03
2470	-4.15	16.83
2480	-4.33	16.3
2490	-4.11	17.04
2500	-3.9	16.98

3.2 Radiation Pattern

