

Project name:	BF23
Name of antenna	built-in antenna
Antenna type	H1C55F3D129A/2.4G built-in FPC antenna
Peak gain(dBi)	3.33
Edition:	A
Date:	2024.6.12

Contents

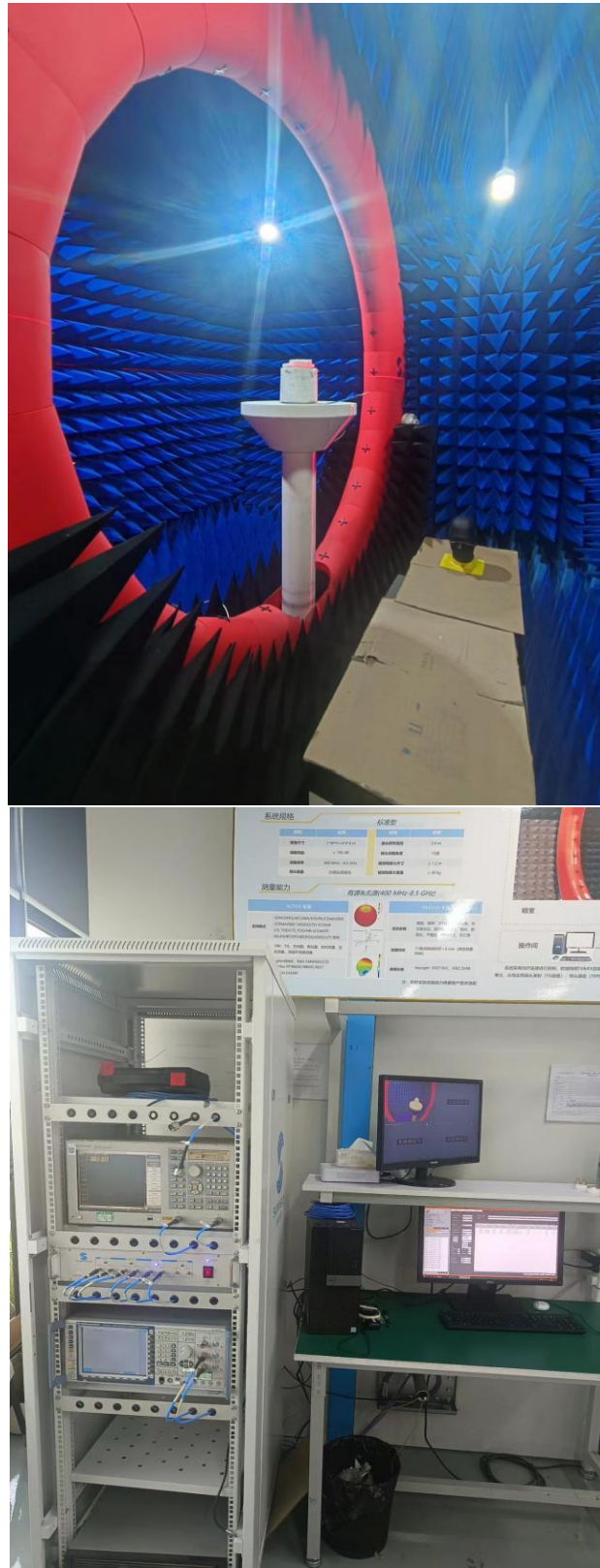
- 1: Antenna test equipment
- 2: Test report
- 3: Structural drawing

1: Antenna test equipment

1.1 List of meters: Agilent 5071B;



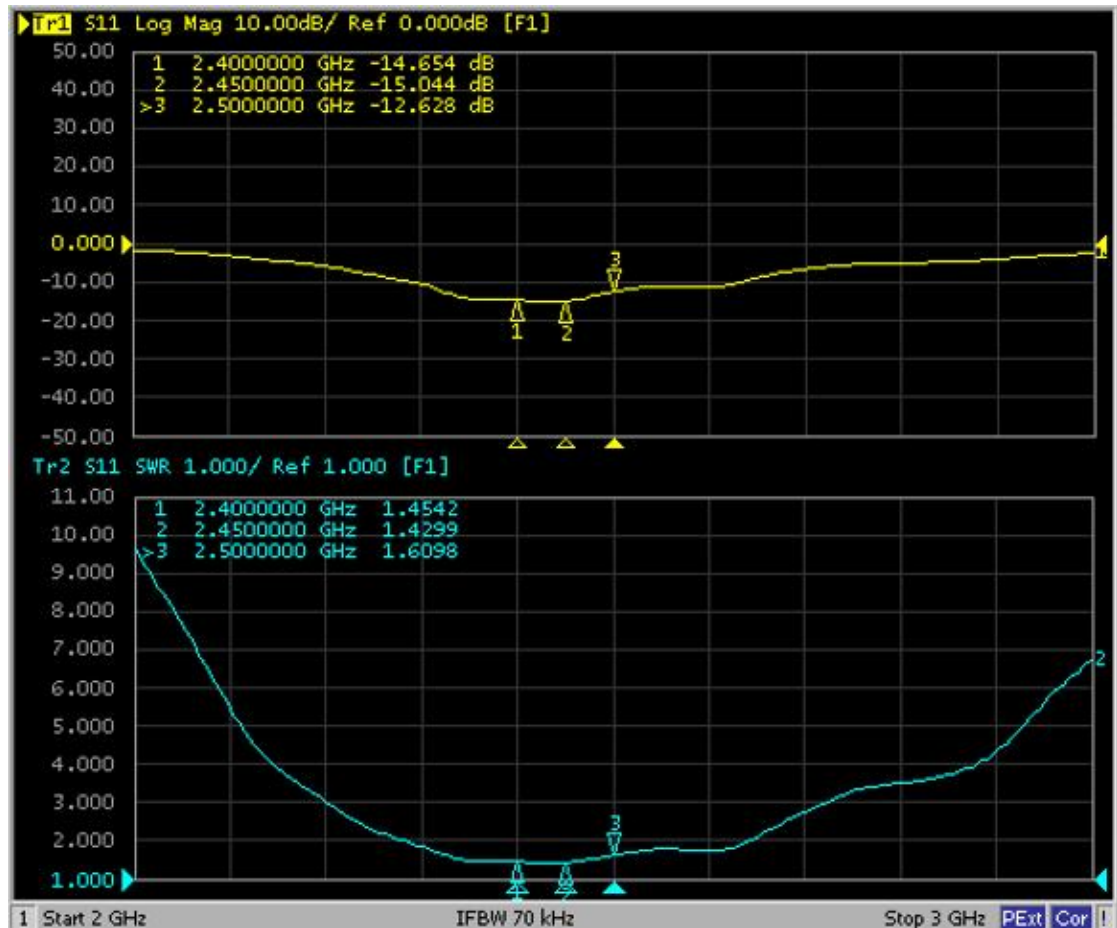
1.2 Laboratory environment



Address: 12/F, West Block B, Building 8, Huaqiang Creative Industrial Park, Guangming District, Shenzhen
Tel: 0755-28700082
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2: Test report

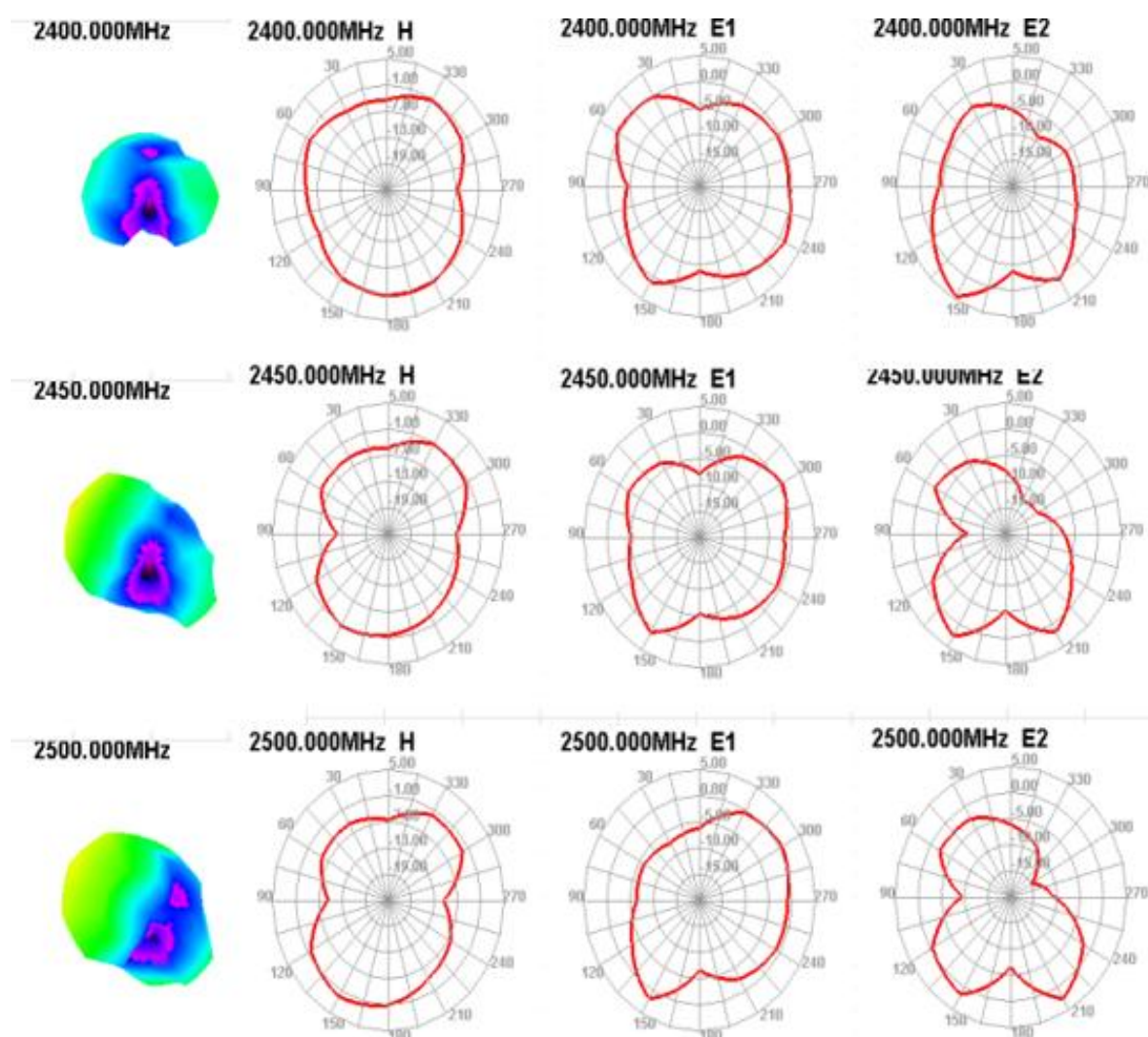
2.1: antenna S11 parameters



2.2: Passive efficiency of antenna

Frequency(MHz)	Gain(dBi)	Efficiency (%)
2400	2.77	62.06
2410	2.85	62.58
2420	2.96	63.7
2430	3.09	64.34
2440	3.14	65.18
2450	3.33	66.53
2460	3.28	65.65
2470	3.19	64.09
2480	2.95	63.16
2490	2.86	62.89
2500	2.68	61.06

2.3: Passive pattern of antenna



2.4: Active test report

Test Result	Wifi 2G TRP/11b : 11Mbps			Test Result	Wifi 2G TIS/11b : 11Mbps		
	1	7	13		1	7	13
Frequency (MHz)	2412	2442	2472	Frequency (MHz)	2412	2442	2472
TRP (dBm)	18.06	18.34	17.16	TIS (dBm)	-88.22	-88.11	-87.6

3: Structural drawing

