Project name:	BF23		
Name of antenna	built-in antenna		
Antenna type	H1C55F3D129A/2.4G built-in FPC antenn		
Peak gain(dBi)	3. 33		
Edition:	A		
Date:	2024. 6. 12		

manufacturer: Hongji Wireless Communication (Shenzhen)Co.,Ltd

Address: 12/F, West Block B, Building 8, Huaqiang Creative Industrial Park, Guangming District, Shenzhen

Tel: 0755-28700082 www.honant.com.cn

Contents

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



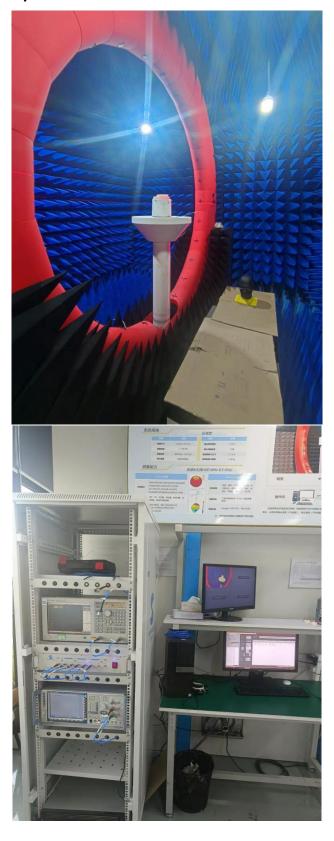
1: Antenna test equipment

1.1 List of meters: Agilent 5071B;



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1.2 Laboratory environment

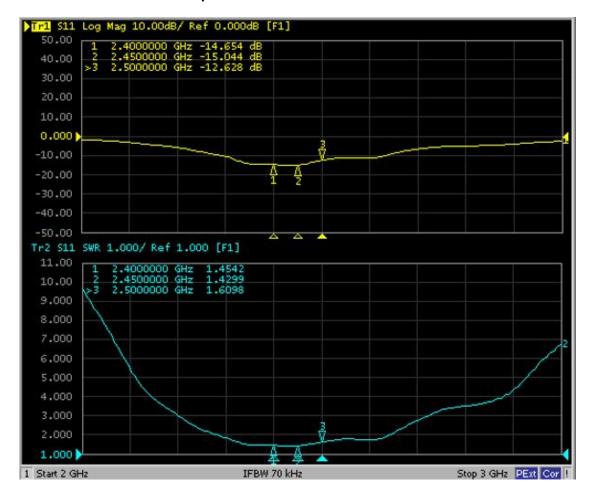


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2: Test report

2.1: antenna S11 parameters



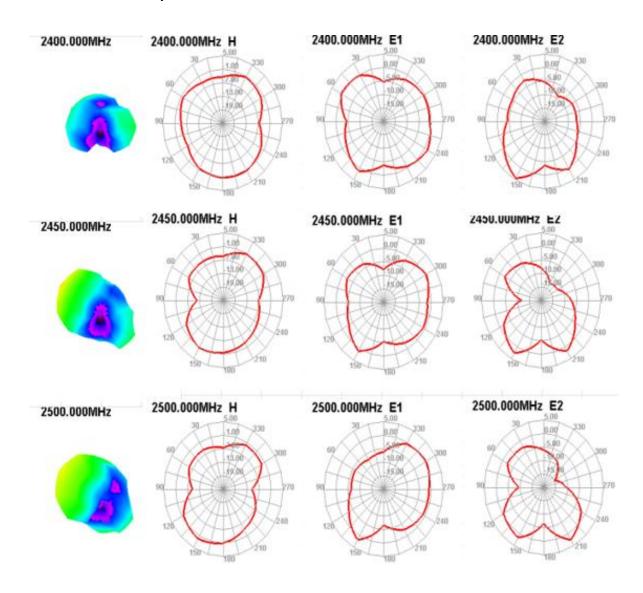


2.2: Passive efficiency of antenna

Frequancy(MHz)	Gain(dBi)	Effciency (%)	
2400	2.77	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	

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2.3: Passive pattern of antenna



2.4: Active test report

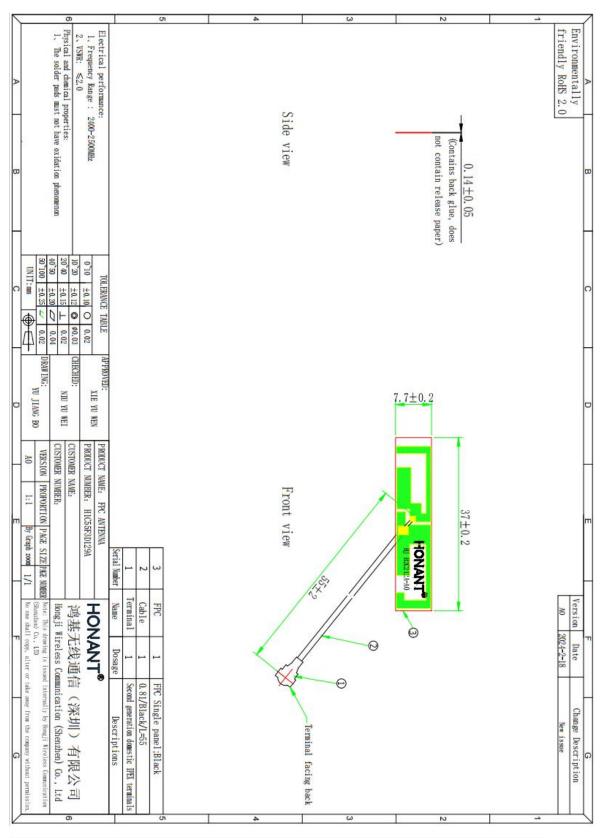
Test	Wifi 2G	TRP/11b :	11MBps
Result	1	7	13
Frequency (MHz)	2412	2442	2472
TRP (dBm)	18.06	18. 34	17. 16

Test	Wifi 2G	TIS/11b :	11MBps
Result	1	7	13
Frequency (MHz)	2412	2442	2472
TIS (dBm)	-88. 22	-88. 11	-87. 6

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3: Structural drawing



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