

Shenzhen Hongzhi Technology Co.,Ltd

Specifications

Sample Approved Sheet

Customer name	Shenzhen Technology Co.,Ltd		
Customer project name	Screen projector	Product Name	Dual-band antenna
Customer Code		Part number	HZ1293
Specification description	FPC antenna assembly IPXE 1 bright character 0.81 black shielded wire,cable length 33mm second-generation terminal,bright character 0.81 black shielded wire, cable length 75mm second-generation terminal		
R&D audit			
Formulate	Audit	approve	date
Li Yaona	Wang Hui	Zhang Lin	2025.9.01

Customer Judgment Review Team

admit	Audit	approve	Recognition date
Review items: 3 ☐ approval letters ☐ specifications/drawings ☐ test reports ☐ samples PCS ☐ safety regulations ☐ HSF			
Judging results: ☐ accepted conditionally accepted ☐ rejected			

Revise your resume				
version	Revised content	Responsible person	Approved	date

Confidential Information

[illegible]

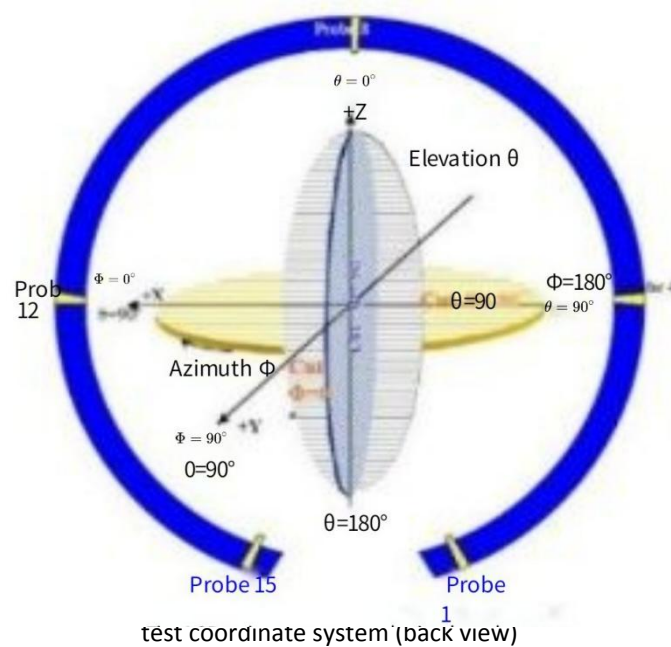
1.Summary

This report summarizes the electrical results of the our antenna to support the project 双频天线 The test fixture is made for further testing,which is show below:



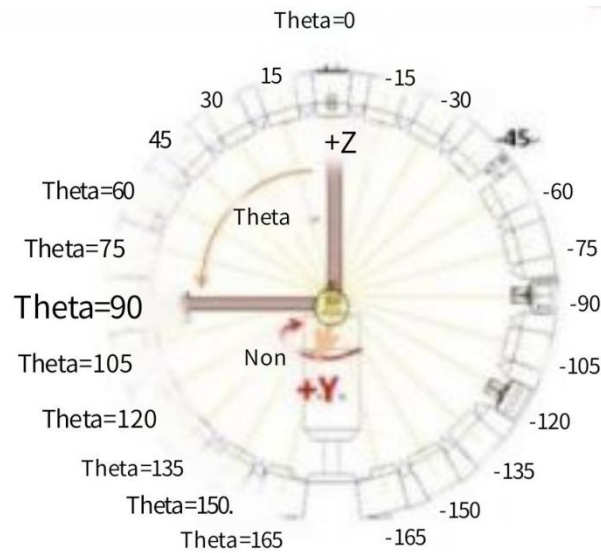
2.Antenna Test Equipment Introduction

Test of antenna input characteristics using Agilent E5071C and Agilent 5062A vector network analyzer; The radiation pattern of the antenna are tested using the Satimo starlab 3D near field Anechoic Chamber, and the instrument is used to agilent8960 E5515 and Agilent E4438C. The test coordinates of the darkroom are as follows:



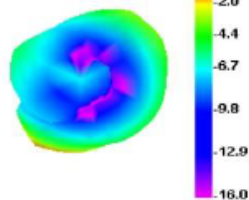
3.1 WiFi 天线 2.4G Gain & Efficiency

Sample status & coordinates

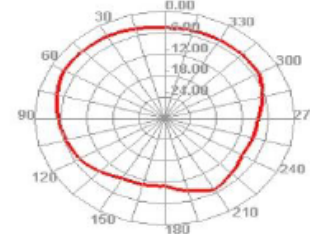


Passive Test For 2.4G			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	27.01	-5.69	0.44
2410	28.9	-5.39	0.8
2420	28.97	-5.38	0.68
2430	28.36	-5.47	0.51
2440	27.27	-5.64	0.19
2450	24.87	-6.04	-0.48
2460	23.77	-6.24	-1.03
2470	22.39	-6.5	-1.55
2480	22.04	-6.57	-1.85
2490	22.28	-6.52	-1.93
2500	22.05	-6.57	-2.08

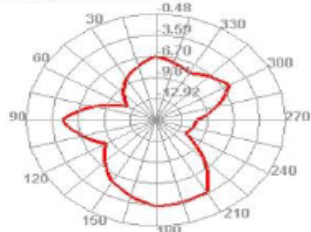
2450.000MHz



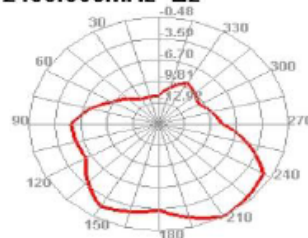
2450.000MHz H



2450.000MHz E1

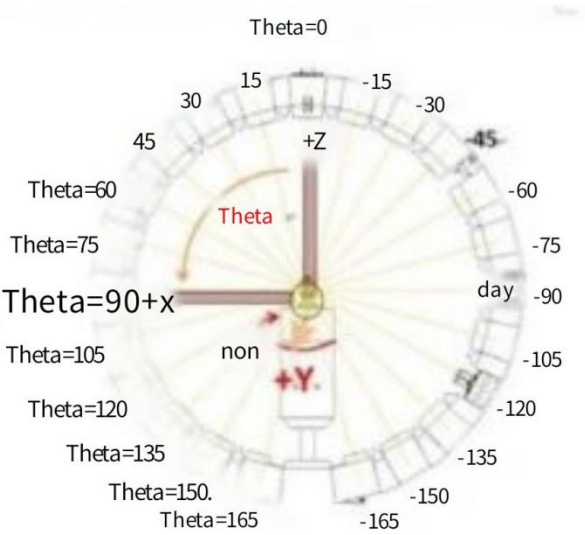


2450.000MHz E2

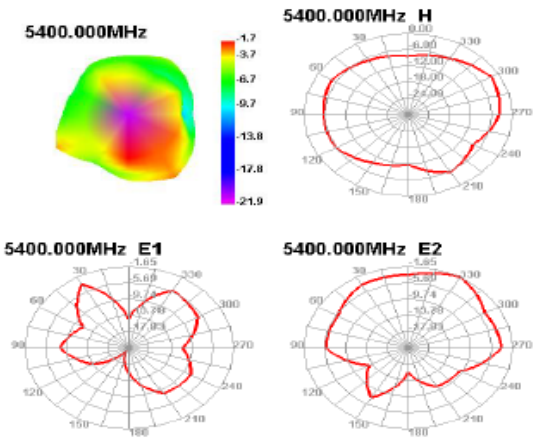


3.2WiFi 天线 5.8G Gain&Efficiency

Sample status & coordinates

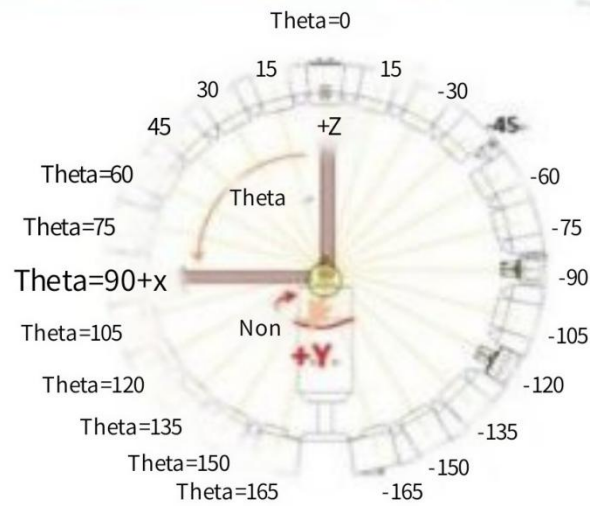


Passive Test For 5G			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5000	29.22	-5.34	-0.35
5040	23.73	-6.25	-1.91
5080	27.04	-5.68	-1.56
5120	27.21	-5.65	-1.82
5160	21.34	-6.71	-2.68
5200	18.63	-7.3	-2.23
5240	18.27	-7.38	-2.05
5280	16.28	-7.88	-2.48
5320	18.62	-7.3	-2.61
5360	16.8	-7.75	-2.82
5400	22.85	-6.41	-1.65
5440	19	-7.21	-2.73
5480	20.38	-6.91	-1.81
5520	22.6	-6.46	-1.74
5560	25.78	-5.89	-1.19
5600	22.39	-6.5	-1.58
5640	20	-6.99	-2.59
5680	21.1	-6.76	-2.33
5720	28.28	-5.49	-1.17
5760	28.53	-5.45	-1.62
5800	28.04	-5.52	-1.83

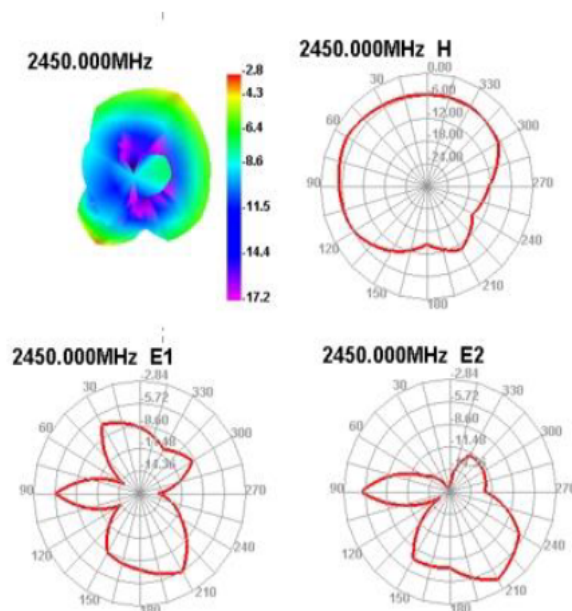


3.3 蓝牙天线 2.4G Gain & Efficiency

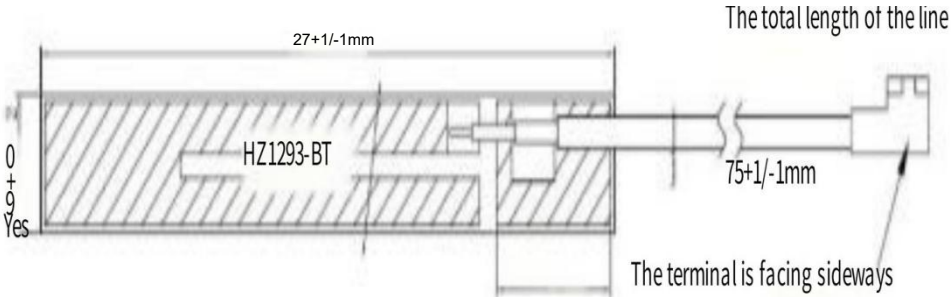
Sample status & coordinates



Passive Test For 2.4G			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	14.48	-8.39	-3.62
2410	14.05	-8.52	-3.84
2420	13.92	-8.56	-3.58
2430	13.98	-8.55	-2.9
2440	14.27	-8.46	-2.99
2450	13.97	-8.55	-2.84
2460	15.01	-8.24	-2.69
2470	15.66	-8.05	-2.55
2480	17.37	-7.6	-2.39
2490	19.71	-7.05	-1.92
2500	21.83	-6.61	-1.78



Antenna Photo & Length (mm)



Antenna Photo & Length (mm)

