



Shenzhen cape deep communication technology co., LTD

Antenna test report

Client: Zhilian Shengya

Project Name: M08

RF: Chen Huan

Date: 2026.1.29

Version: V0.3

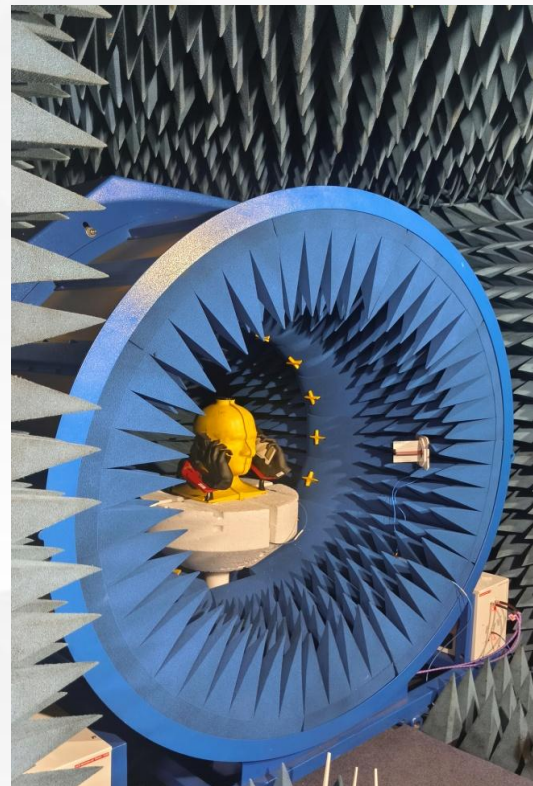


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Laboratory testing environment and equipment



Test items	Test equipment
S11、S12、VSWR、LOSS	network analyzer E5071B、E5062A
Efficiency、Gain 3D Radiation Pattern	Satimo SG16darkroom、GP7*4*3darkroom、One wavedarkroom、E5071B、SP9500E、MT8862A
TRP、TIS	Satimo SG16V、GP7*4*3darkroom、Onewavedarkroom、8960、CMW500、MT8820C、E4438C、SP9500E、MT8862A





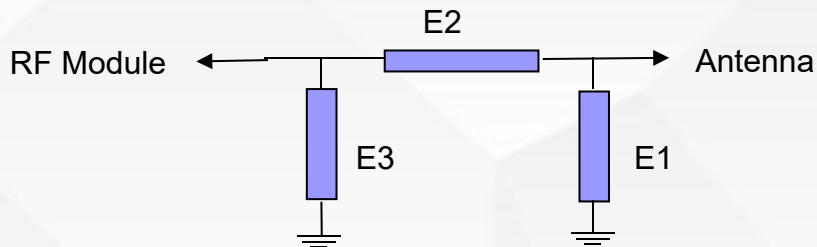
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Project Commissioning Introduction

Machine type	Glasses		
		Frequency band information	Antenna form
Antenna type and frequency band information	WiFi antenna	2.4G WIFI	Unipolar



WIFI antenna matching circuit



WIFI antenna	Element	Value
	E1(0402)	Original motherboard matching
	E2(0402)	Original motherboard matching
	E3(0402)	Original motherboard matching



Passive efficiency and gain

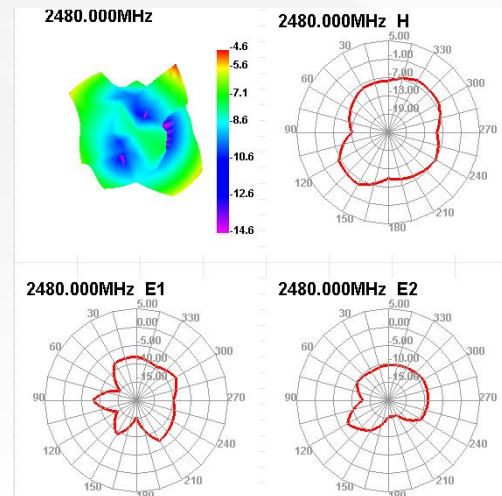
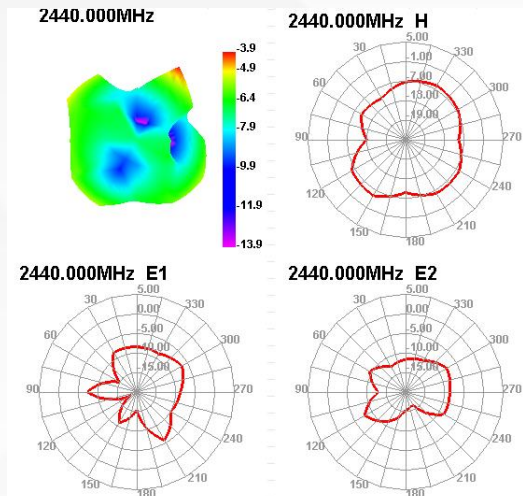
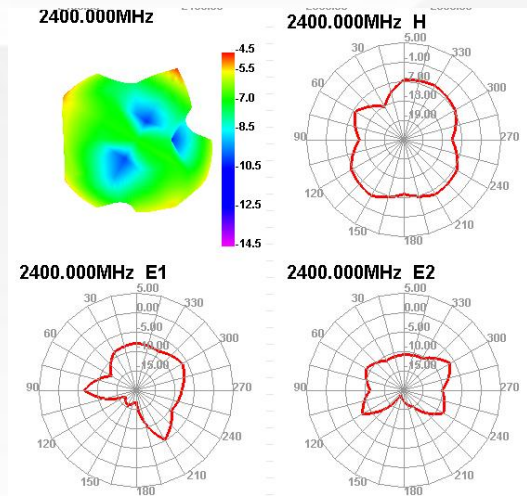
Passive Test For WiFi			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	15.49	-8.1	-4.51
2410	13.15	-8.81	-5.16
2420	14.25	-8.46	-4.35
2430	14.72	-8.32	-4.06
2440	14.6	-8.36	-3.92
2450	14.32	-8.44	-4
2460	13.85	-8.59	-4.13
2470	15.18	-8.19	-4.02
2480	13.68	-8.64	-4.64
2490	18.28	-7.38	-3.23
2500	16.73	-7.77	-4.02

WIFI 2.4G



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2D/3D image





Complete machine image





Contact Information

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THE END

**Thank you for your
valuable feedback !**