

深圳市嘉盛佳科技有限公司

Shenzhen Jiashengjia Technology Co., Ltd

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Antenna Specifications



Date: 2025/05/20

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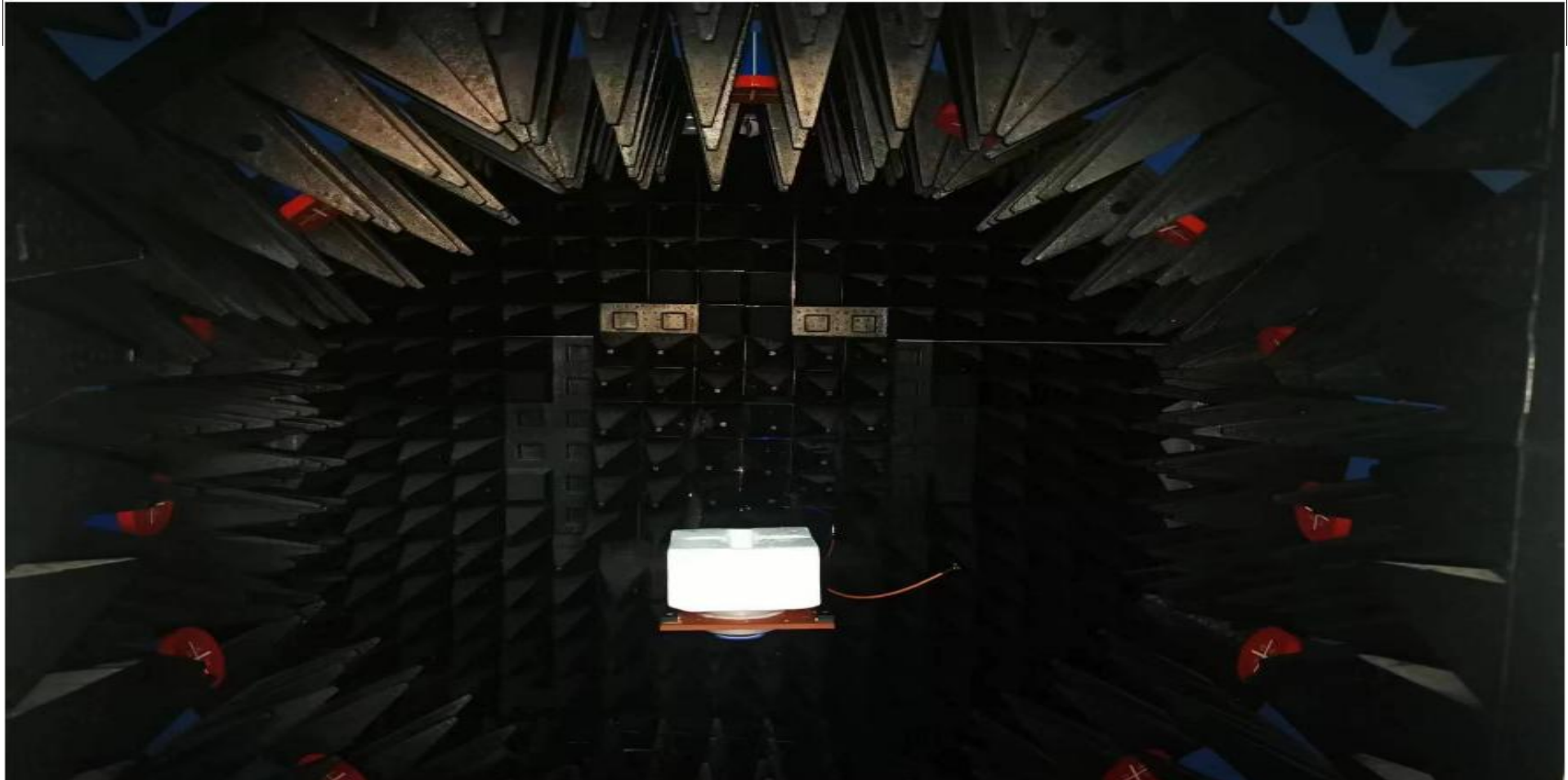
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1.Introduction to Project Debugging

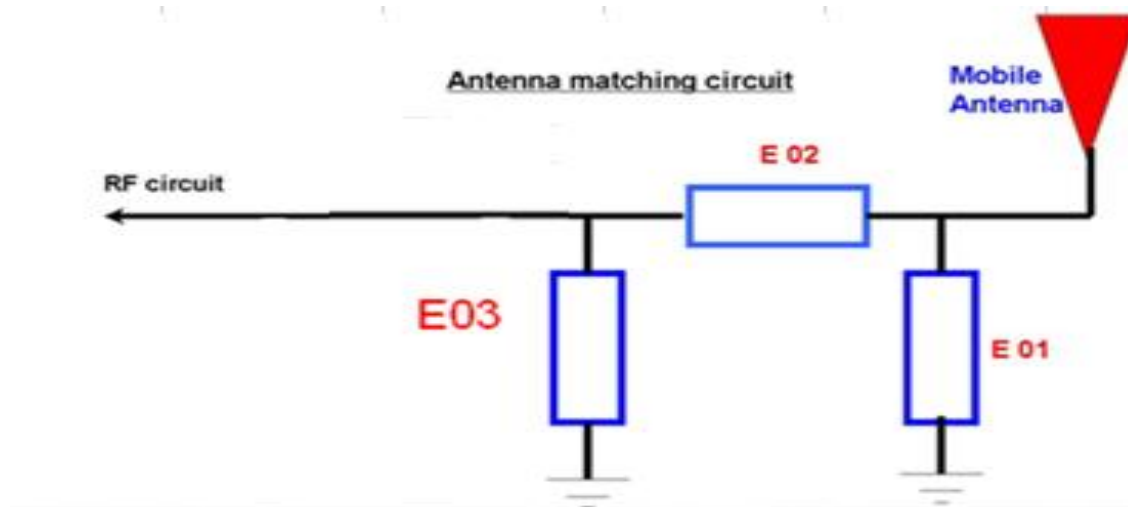
customer name	Da Yun Intelligent Technology	project name	BM5JR
model	control box	Antenna material	FPC

2.testing environment

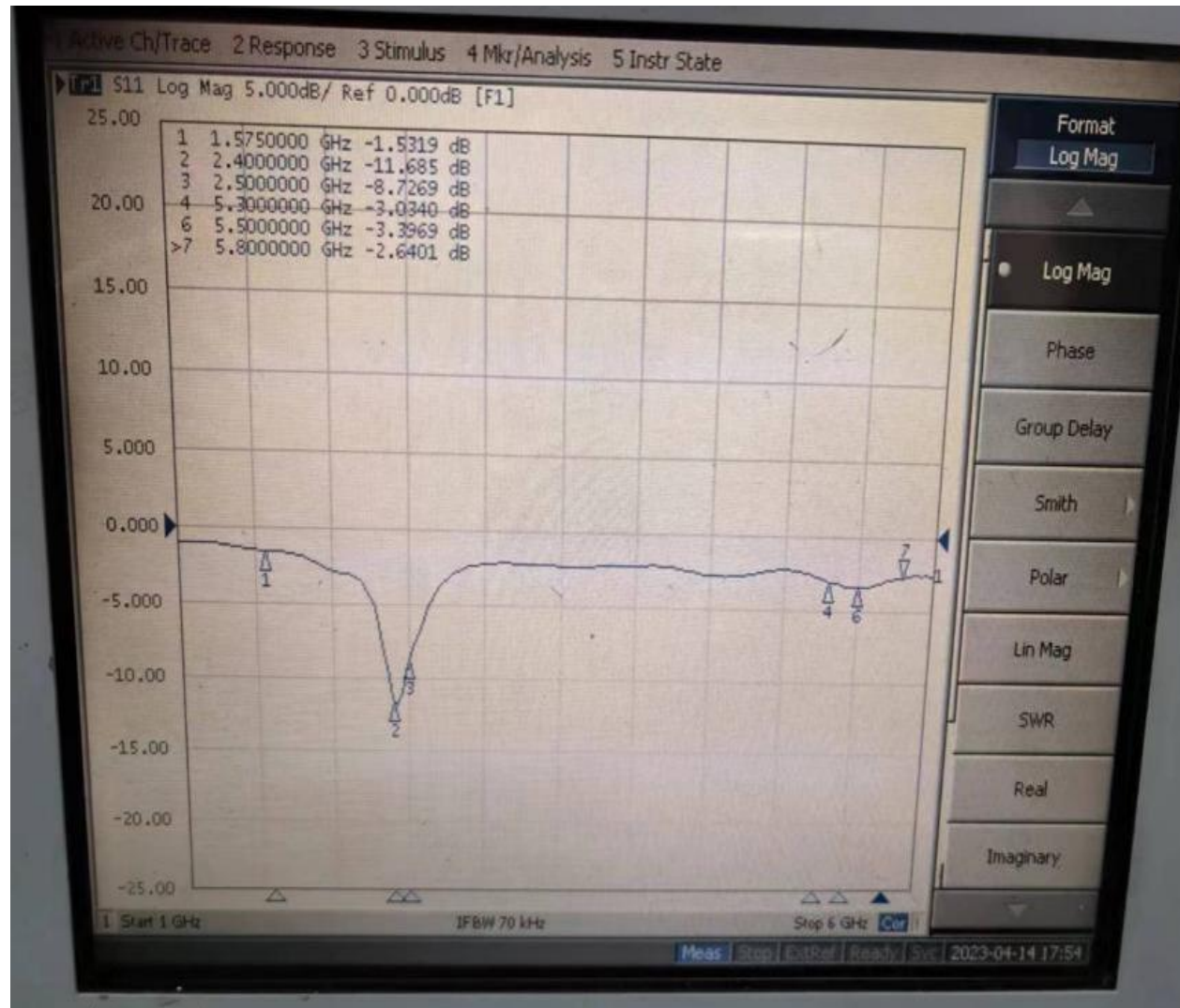
integrated measuring instrument	CMW500
darkroom	Atenlab M3
test engineer	Liu Jun
temperature	25°C



3. Antenna matching circuits and passive parameters



4. Antenna standing wave diagram

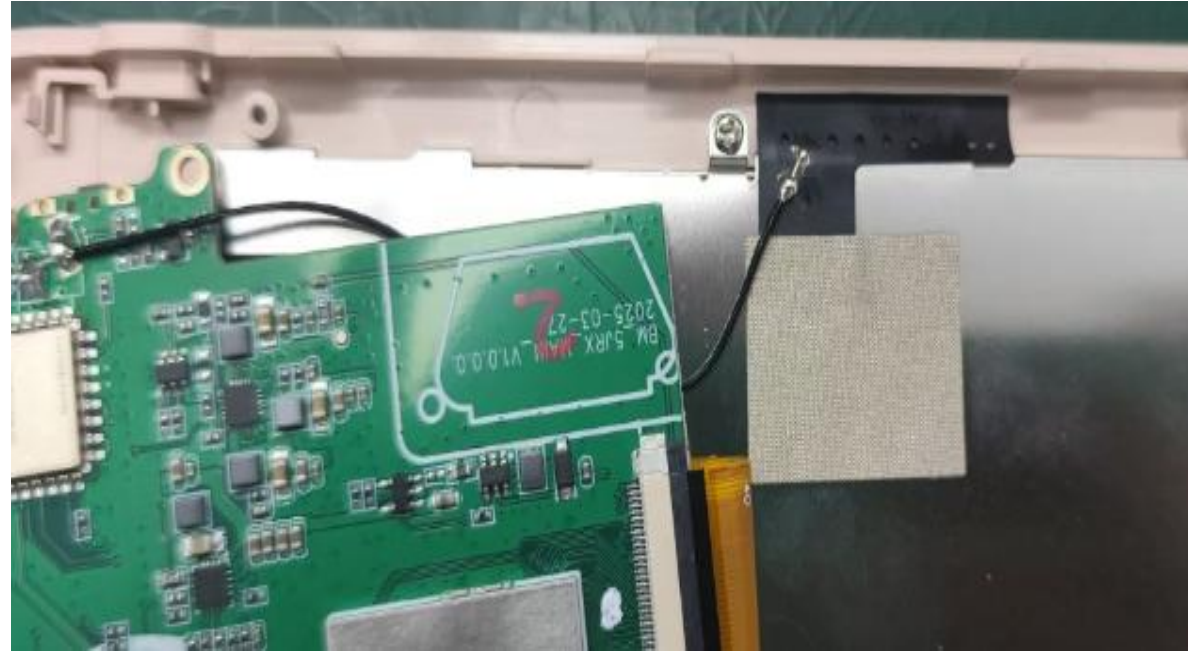


5. Antenna passive test data

2.4G WIFI

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	50.68	-2.95	2.94
2410	48.62	-3.13	2.63
2420	49.99	-3.01	2.74
2430	53.16	-2.74	2.97
2440	49.12	-3.09	2.67
2450	52.15	-2.83	2.98
2460	50.79	-2.94	2.89
2470	53.74	-2.7	3.16
2480	54.51	-2.64	3.13
2490	51.7	-2.87	2.78
2500	54.58	-2.63	2.89

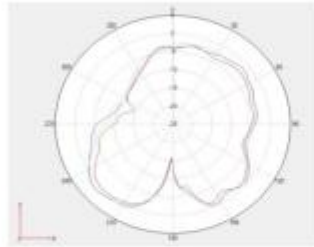
6. Antenna physical diagram and appearance diagram of the debugging machine



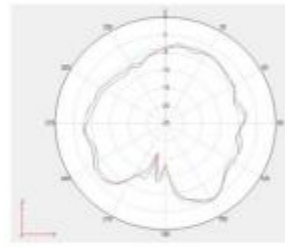
7.OTA Passive parameter radiation diagram

OTA Passive parameter radiation diagram

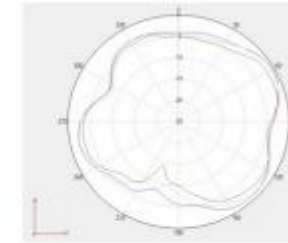
2D



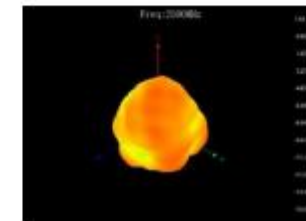
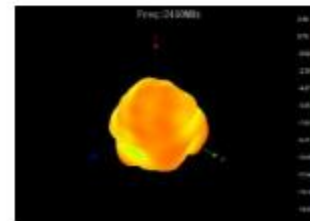
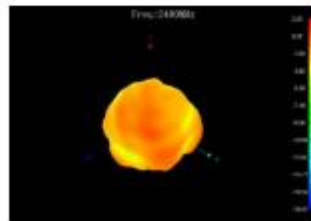
2D



2D



3D Radition pattern



8. Antenna Dimension

